

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054380.D
 Acq On : 18 Mar 2019 8:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:23:35 AM

Quant Time: Mar 19 05:32:59 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	1356718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1953665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1738473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	820104	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	691541	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
35) Dibromofluoromethane	7.59	113	646774	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
50) Toluene-d8	10.09	98	2362231	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.40	95	820680	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	625320	48.632	ug/l	98
3) Chloromethane	2.06	50	560561	44.880	ug/l	100
4) Vinyl Chloride	2.19	62	644581	45.152	ug/l	100
5) Bromomethane	2.57	94	418255	42.302	ug/l	97
6) Chloroethane	2.71	64	388346	44.960	ug/l	98
7) Trichlorofluoromethane	3.02	101	855928	45.096	ug/l	100
8) Diethyl Ether	3.41	74	426071	49.261	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	719017	50.553	ug/l	100
10) Methyl Iodide	3.94	142	1070342	52.901	ug/l	100
11) Tert butyl alcohol	4.81	59	206102	208.656	ug/l	98
12) 1,1-Dichloroethene	3.73	96	676994	48.032	ug/l	99
13) Acrolein	3.60	56	177204	189.323	ug/l	99
14) Allyl chloride	4.31	41	878620	48.585	ug/l	99
15) Acrylonitrile	4.99	53	1043804	257.259	ug/l	99
16) Acetone	3.82	43	1102467	267.236	ug/l	100
17) Carbon Disulfide	4.04	76	1534234	43.422	ug/l	100
18) Methyl Acetate	4.33	43	490535	58.771	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1731042	49.548	ug/l	99
20) Methylene Chloride	4.55	84	668672	49.363	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	647615	47.955	ug/l	99
22) Diisopropyl ether	5.96	45	1869578	51.799	ug/l	97
23) Vinyl Acetate	5.90	43	6617037	248.654	ug/l	99
24) 1,1-Dichloroethane	5.84	63	1146749	49.483	ug/l	99
25) 2-Butanone	6.84	43	1338496	276.434	ug/l	99
26) 2,2-Dichloropropane	6.82	77	934076	45.834	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	758055	50.316	ug/l	99
28) Bromochloromethane	7.19	49	477267	50.377	ug/l	100
29) Tetrahydrofuran	7.22	42	781951	251.170	ug/l	99
30) Chloroform	7.37	83	1231466	50.924	ug/l	100
31) Cyclohexane	7.65	56	1027834	47.375	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	1059698	48.521	ug/l	99
36) 1,1-Dichloropropene	7.79	75	935303	51.986	ug/l	100
37) Ethyl Acetate	6.93	43	539240	52.162	ug/l	99
38) Carbon Tetrachloride	7.77	117	927790	49.174	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1074685	48.548	ug/l	99
40) Benzene	8.04	78	2722124	52.872	ug/l	99
41) Methacrylonitrile	7.17	41	290661	49.243	ug/l	95
42) 1,2-Dichloroethane	8.12	62	887311	51.048	ug/l	99
43) Isopropyl Acetate	8.17	43	910288	50.166	ug/l	98
44) Trichloroethene	8.83	130	826940	51.704	ug/l	99
45) 1,2-Dichloropropane	9.12	63	692270	54.151	ug/l	98
46) Dibromomethane	9.21	93	449957	52.092	ug/l	99
47) Bromodichloromethane	9.40	83	931504	53.793	ug/l	98
48) Methyl methacrylate	9.20	41	490625	53.279	ug/l	98
49) 1,4-Dioxane	9.20	88	126502	971.192	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2617616	272.590	ug/l	99
52) Toluene	10.16	92	1742158	53.367	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	904959	45.863	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	1069509	53.001	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	644343	54.056	ug/l	98
56) Ethyl methacrylate	10.43	69	764973	53.822	ug/l	97
57) 1,3-Dichloropropane	10.71	76	1046115	53.673	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1515386	246.044	ug/l	99
59) 2-Hexanone	10.75	43	1748139	273.589	ug/l	98
60) Dibromochloromethane	10.90	129	719915	53.659	ug/l	100
61) 1,2-Dibromoethane	11.00	107	649850	53.648	ug/l	99
64) Tetrachloroethene	10.63	164	844646	50.251	ug/l	98
65) Chlorobenzene	11.43	112	1997416	52.326	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	736769	53.131	ug/l	99
67) Ethyl Benzene	11.51	91	3298793	52.133	ug/l	100
68) m/p-Xylenes	11.62	106	2624114	106.104	ug/l	100
69) o-Xylene	11.95	106	1271794	52.752	ug/l	98
70) Styrene	11.96	104	2030417	53.699	ug/l	100
71) Bromoform	12.13	173	480486	45.669	ug/l #	100
73) Isopropylbenzene	12.25	105	3329228	50.740	ug/l	100
74) N-amyl acetate	12.07	43	762906	52.383	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	740784	52.991	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	607637m	50.385	ug/l	
77) Bromobenzene	12.53	156	885287	50.989	ug/l	100
78) n-propylbenzene	12.59	91	3689387	51.821	ug/l	100
79) 2-Chlorotoluene	12.67	91	2189607	51.150	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2722157	49.878	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	164412	46.603	ug/l	95
82) 4-Chlorotoluene	12.77	91	2230514	52.183	ug/l	100
83) tert-Butylbenzene	12.99	119	2406253	47.900	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2753033	51.418	ug/l	100
85) sec-Butylbenzene	13.17	105	3119771	47.888	ug/l	100
86) p-Isopropyltoluene	13.29	119	2786054	48.747	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1532391	52.379	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1496399	52.067	ug/l	100
89) n-Butylbenzene	13.61	91	2178962	50.176	ug/l	99
90) Hexachloroethane	13.87	117	438299	46.313	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1488213	52.035	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	109354	50.552	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	756218	44.108	ug/l	100
94) Hexachlorobutadiene	15.01	225	442531	40.622	ug/l	99
95) Naphthalene	15.13	128	1551273	43.604	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	730761	48.089	ug/l	100

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

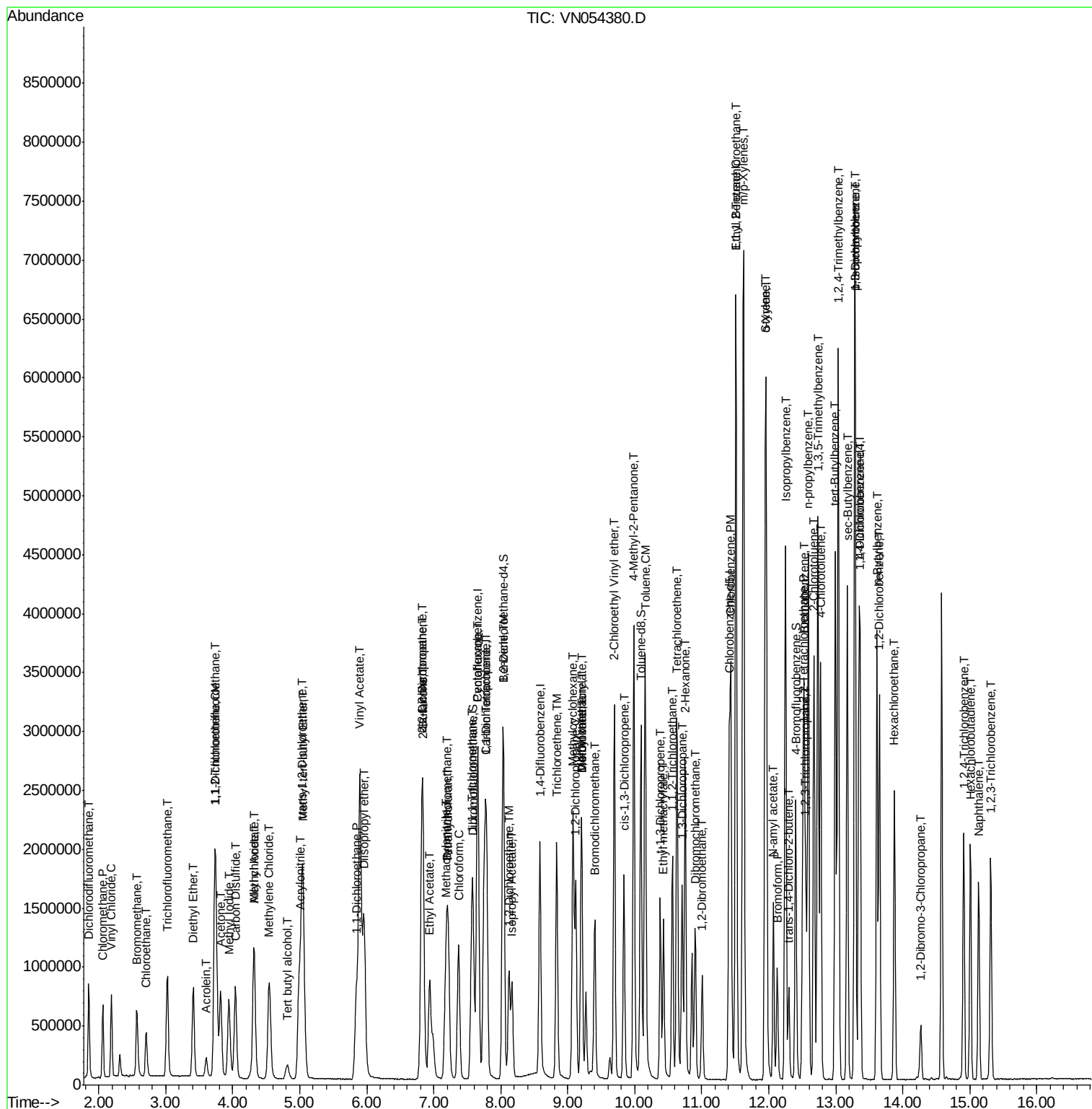
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
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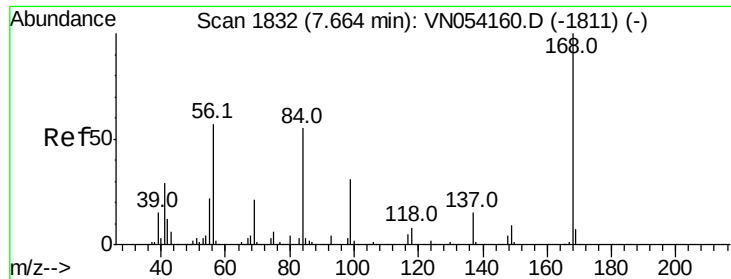
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1356718

Ion Ratio Lower Upper

168 100

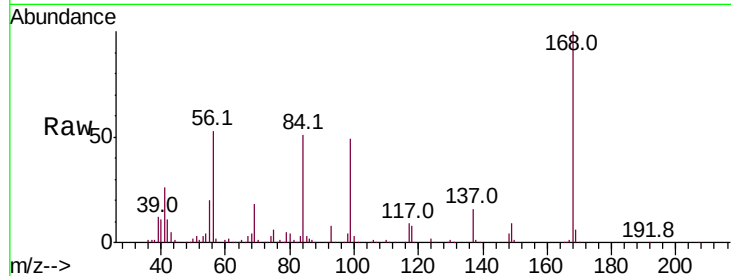
99 48.5 37.1 55.7

Manual Integrations

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3/19/2019 9:23:35 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

600000

500000

400000

300000

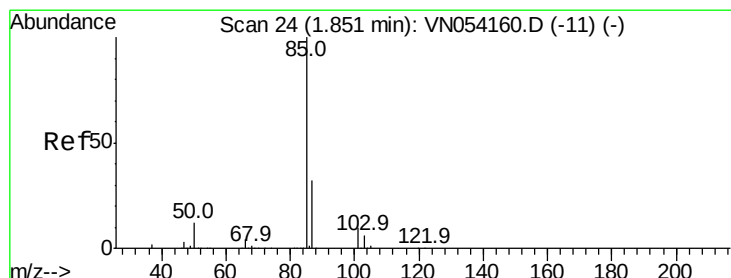
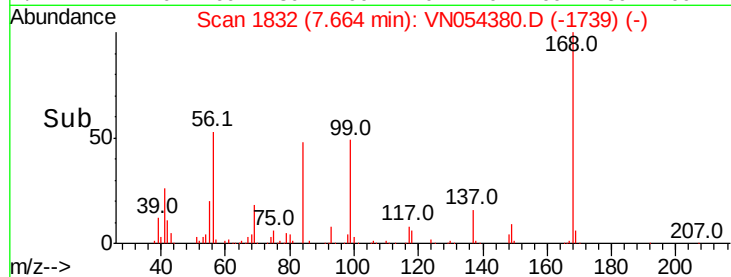
200000

100000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 48.632 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054380.D

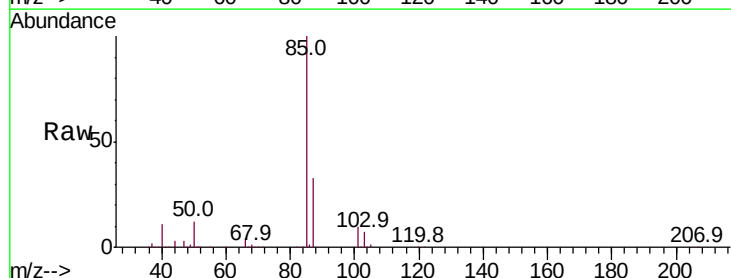
Acq: 18 Mar 2019 8:50

Tgt Ion: 85 Resp: 625320

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

500000

400000

300000

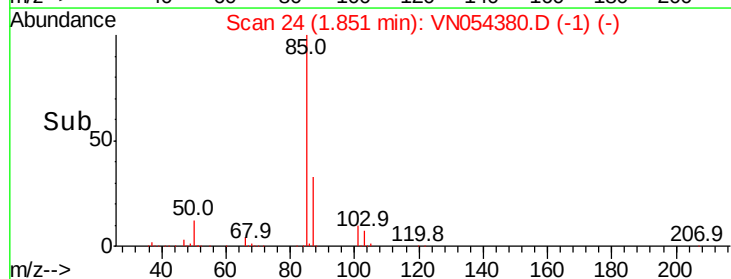
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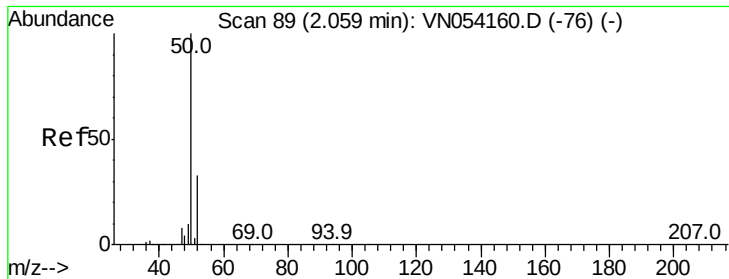
100000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 44.880 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 560561

Ion Ratio Lower Upper

50 100

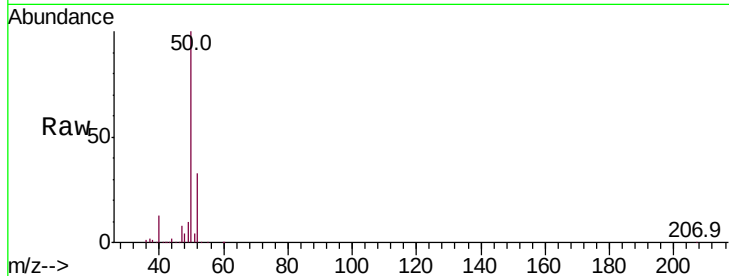
52 33.2 26.4 39.6

Manual Integrations

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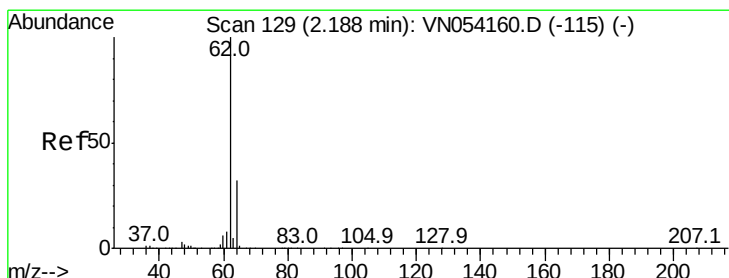
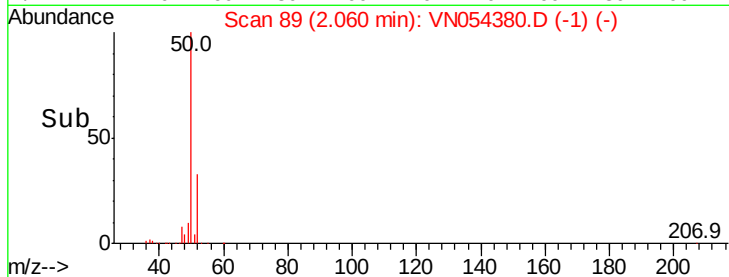
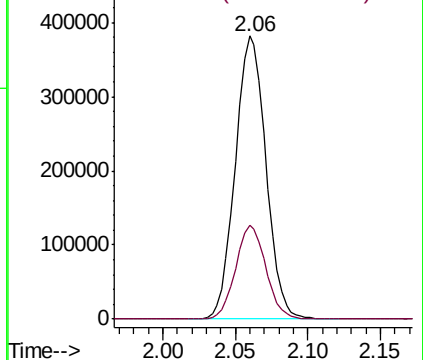
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.152 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054380.D

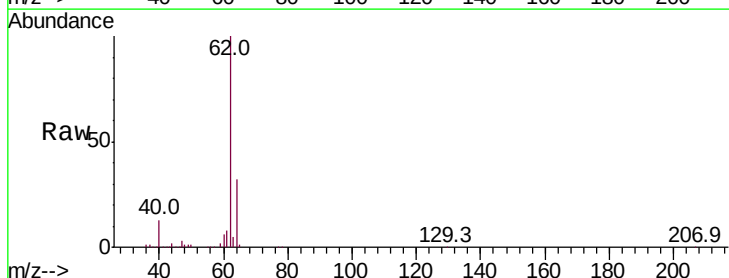
Acq: 18 Mar 2019 8:50

Tgt Ion: 62 Resp: 644581

Ion Ratio Lower Upper

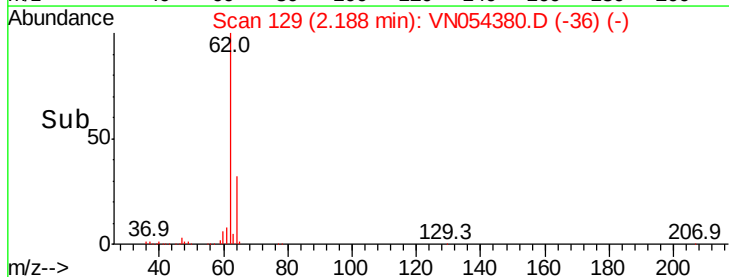
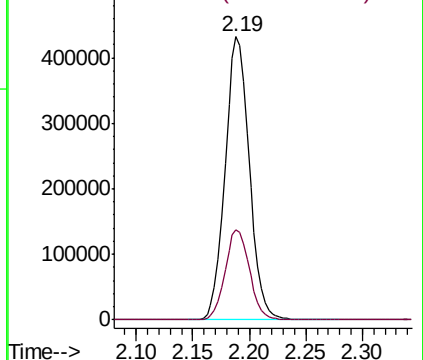
62 100

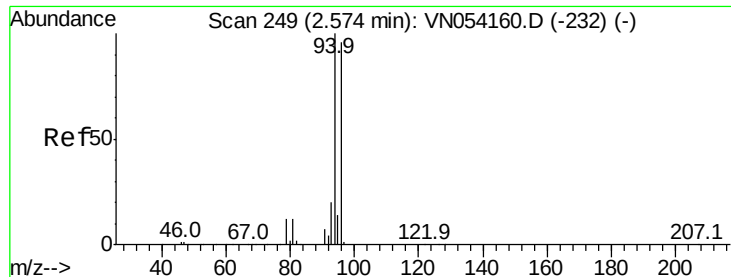
64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 42.302 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 418255

Ion Ratio Lower Upper

94 100

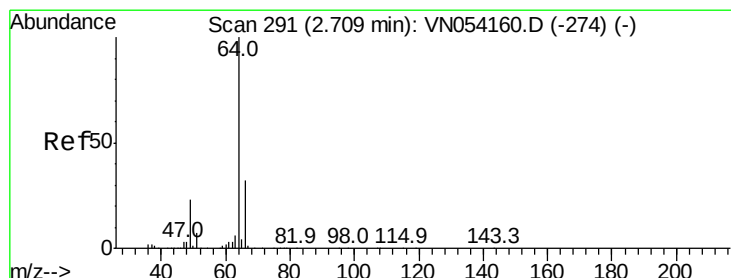
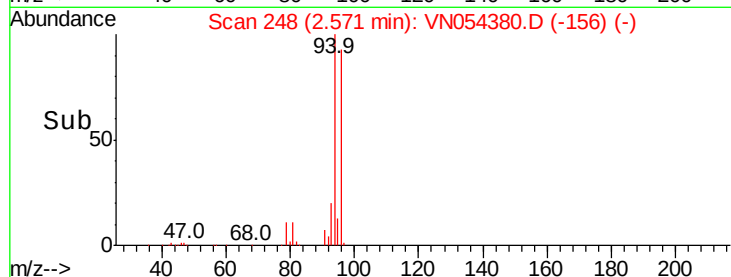
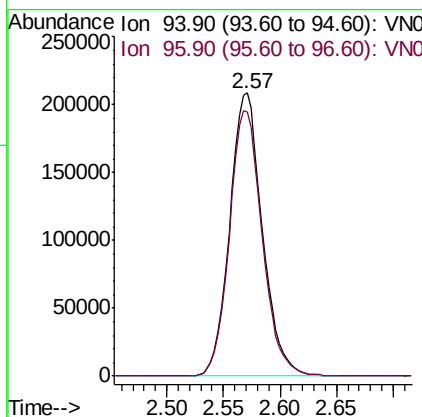
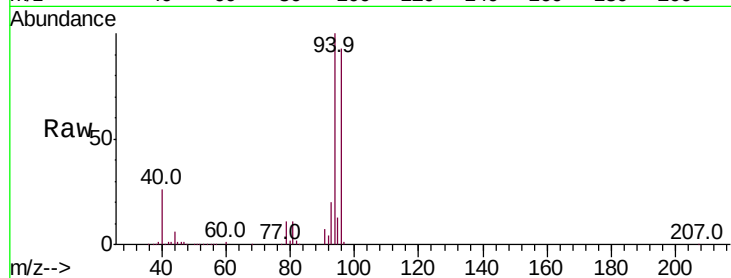
96 93.3 77.0 115.4

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#6

Chloroethane

Concen: 44.960 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054380.D

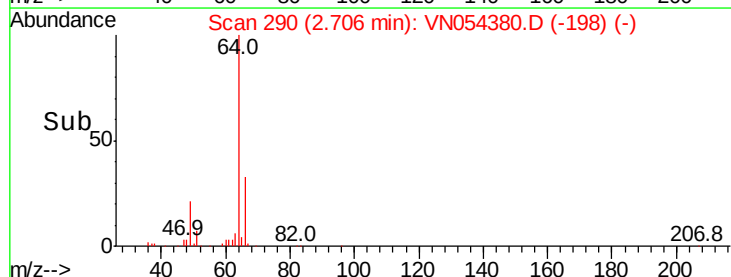
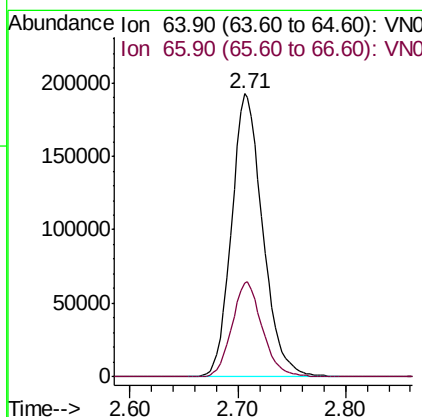
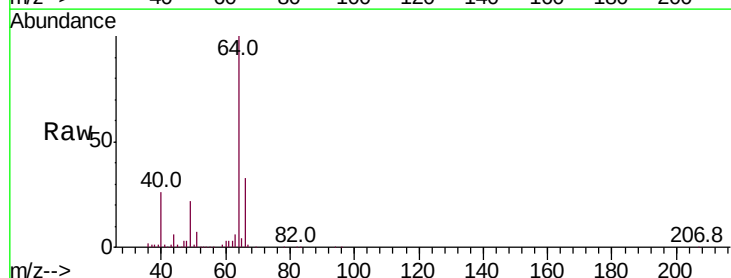
Acq: 18 Mar 2019 8:50

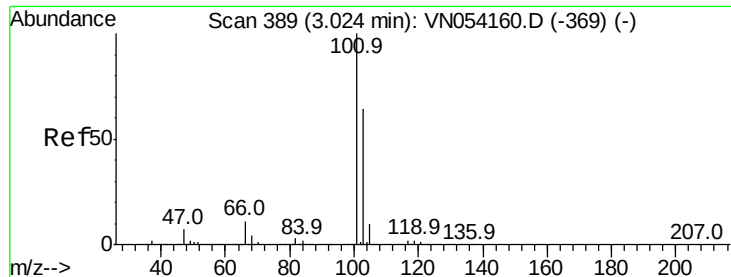
Tgt Ion: 64 Resp: 388346

Ion Ratio Lower Upper

64 100

66 33.2 25.7 38.5





#7

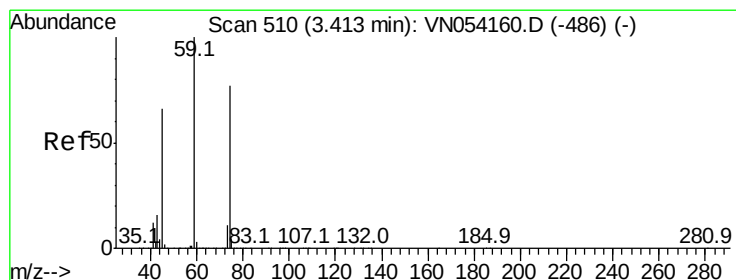
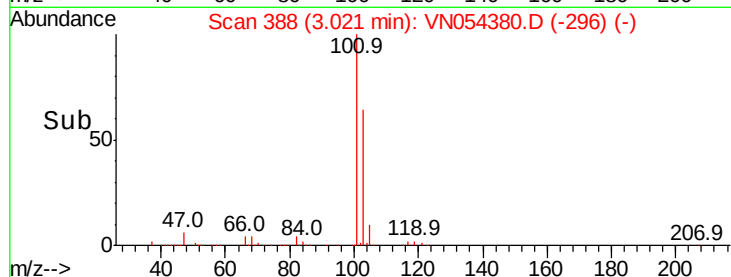
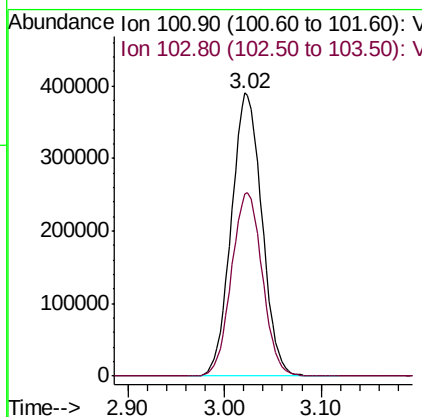
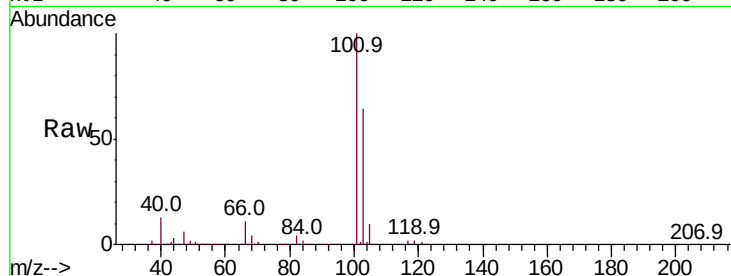
Trichlorofluoromethane
 Concen: 45.096 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.4	77.2

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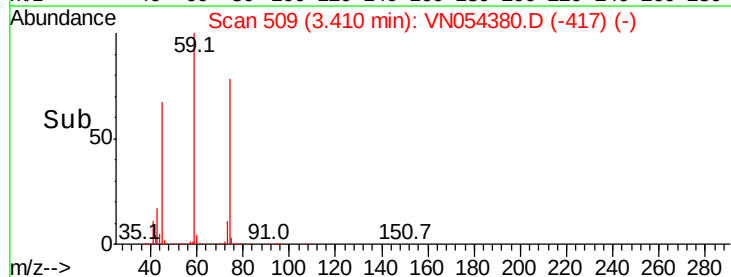
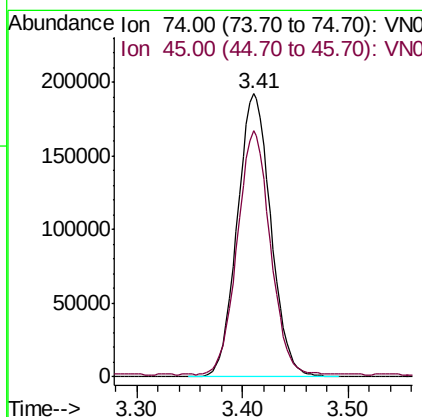
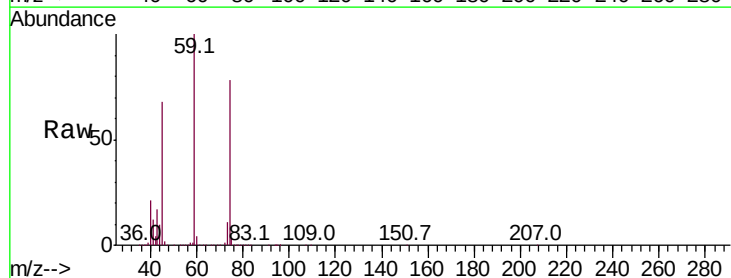
MMDadoda
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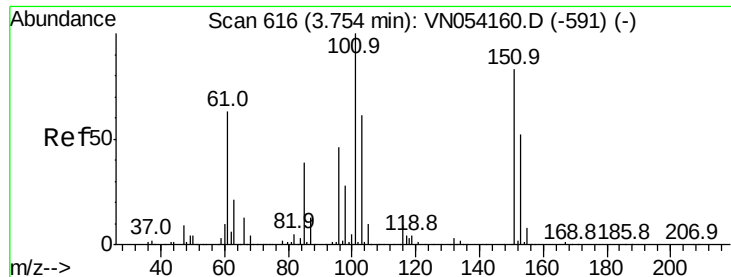


#8

Diethyl Ether
 Concen: 49.261 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.3	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.553 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

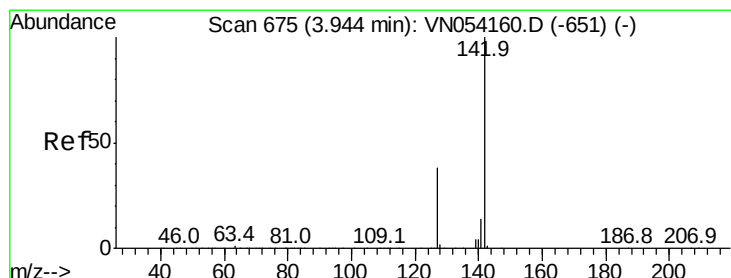
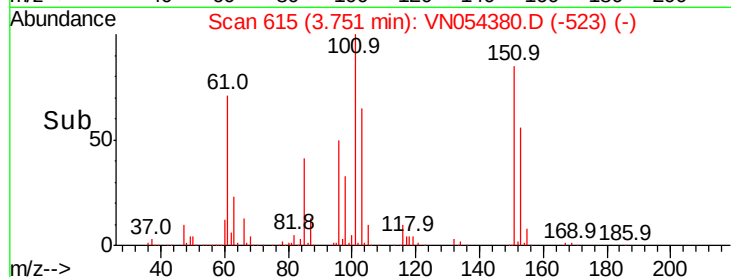
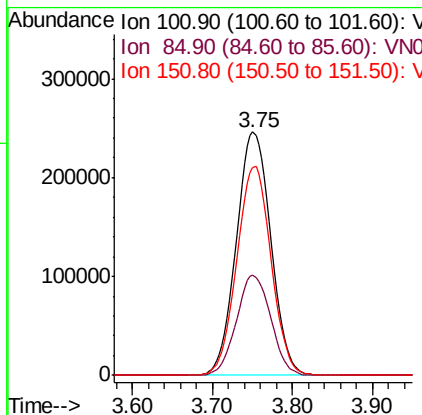
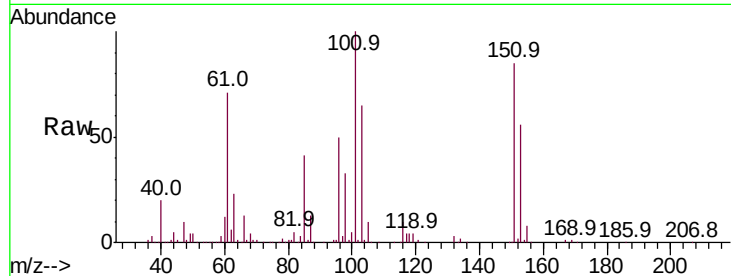
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	719017
Ion Ratio	Lower	Upper	
101	100		
85	41.0	32.4	48.6
151	85.3	68.2	102.2

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#10

Methyl Iodide

Concen: 52.901 ug/l

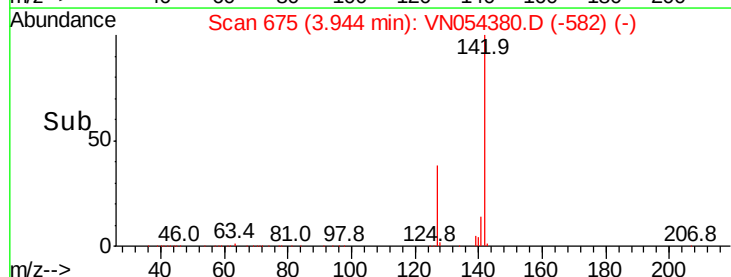
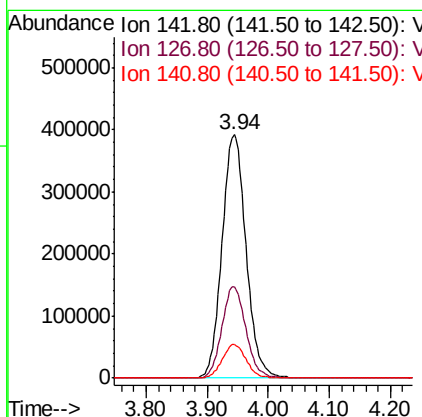
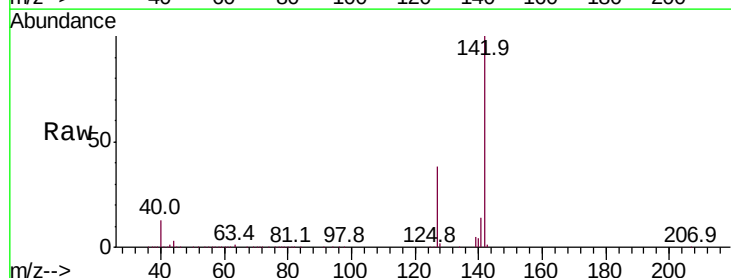
RT: 3.94 min Scan# 675

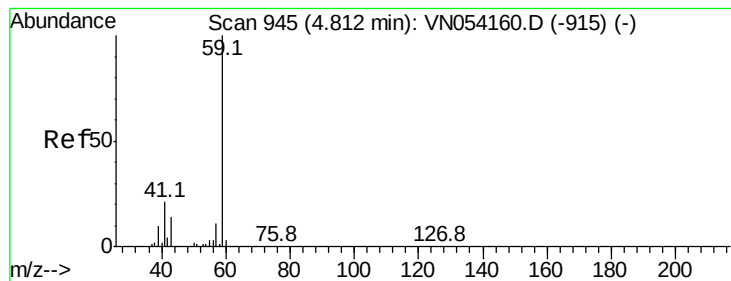
Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Tgt Ion:	142	Resp:	1070342
Ion Ratio	Lower	Upper	
142	100		
127	37.6	30.3	45.5
141	13.9	11.2	16.8





#11

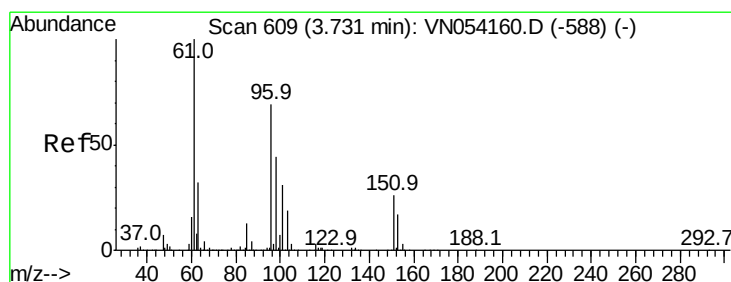
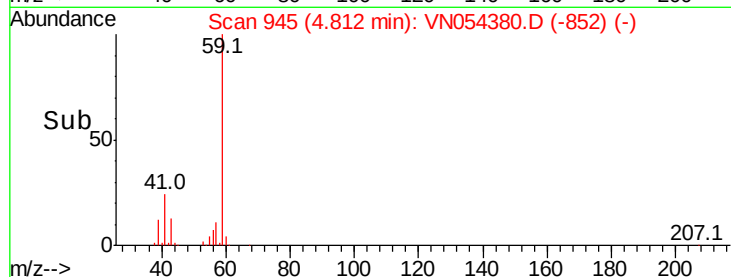
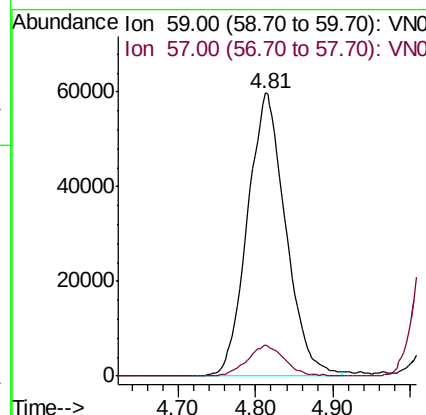
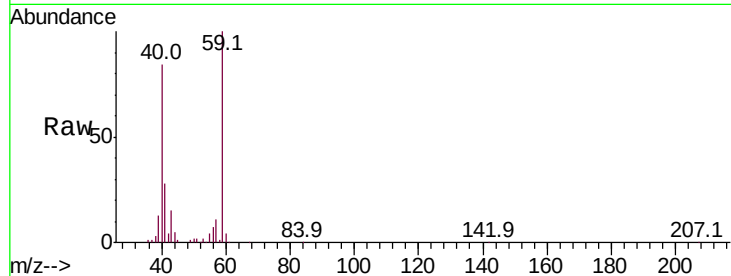
Tert butyl alcohol
 Concen: 208.656 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.0	13.6

Manual Integrations
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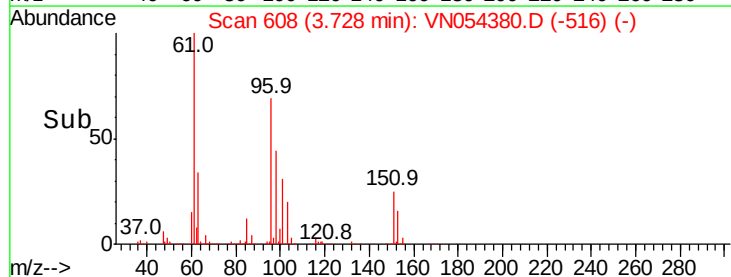
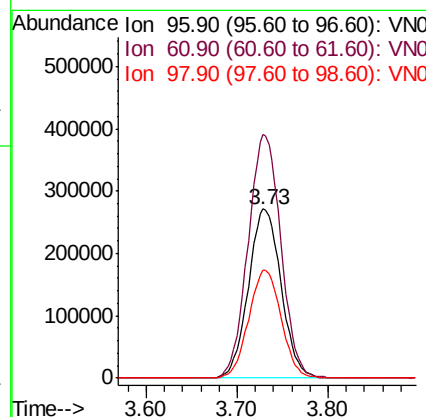
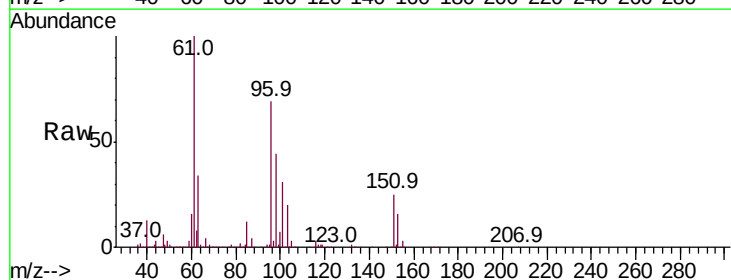
MMDadoda
 3/19/2019 9:23:35 AM

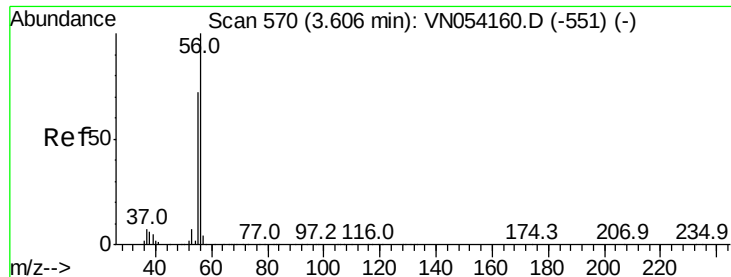


#12

1,1-Dichloroethene
 Concen: 48.032 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.1	116.5	174.7
98	63.8	51.0	76.4





#13

Acrolein

Concen: 189.323 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 177204

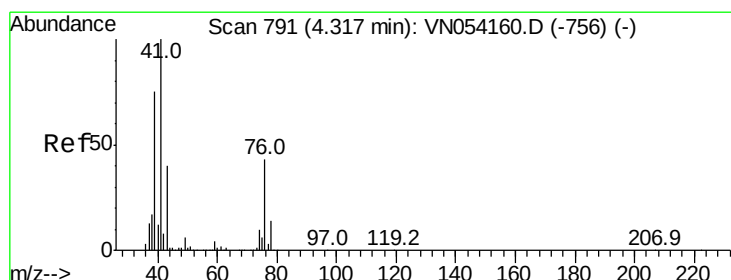
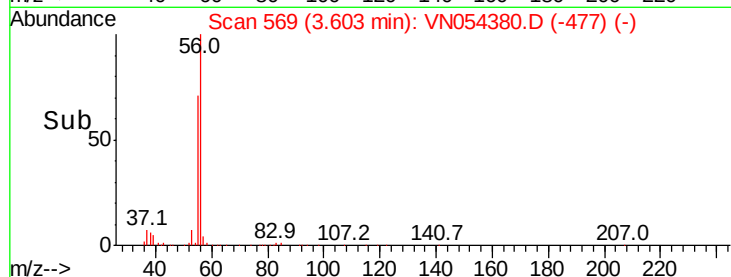
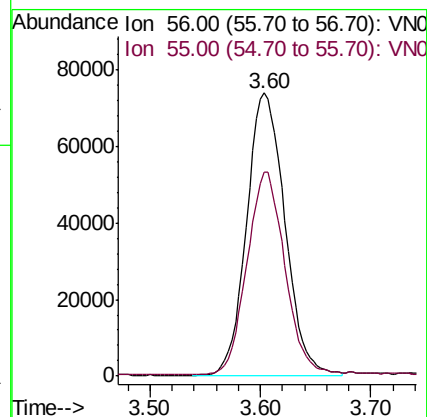
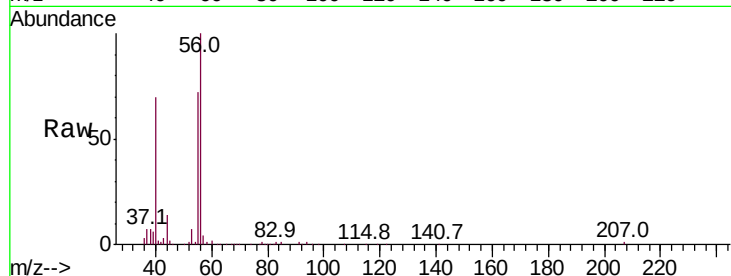
Ion Ratio Lower Upper

56 100

55 71.4 56.7 85.1

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#14

Allyl chloride

Concen: 48.585 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

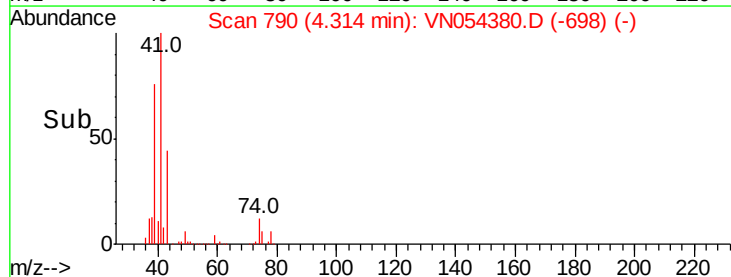
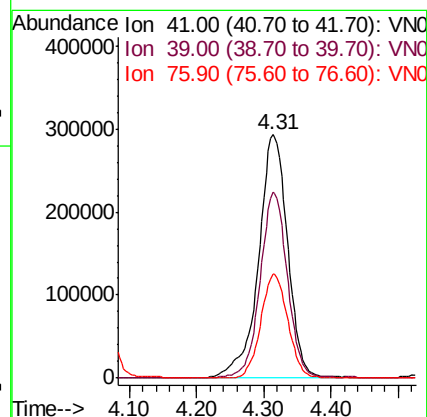
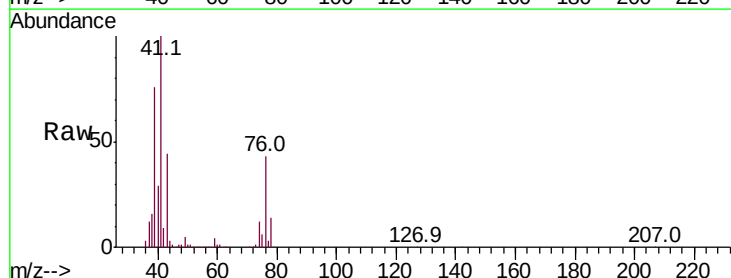
Tgt Ion: 41 Resp: 878620

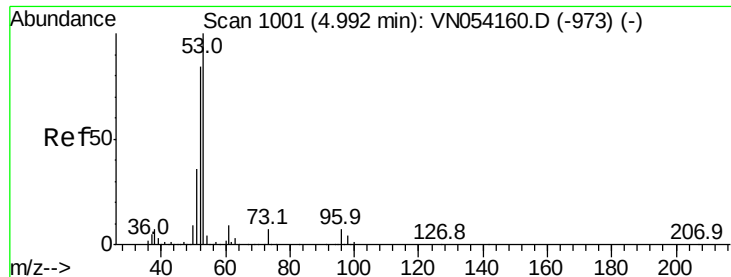
Ion Ratio Lower Upper

41 100

39 71.2 58.2 87.4

76 39.4 31.7 47.5





#15

Acrylonitrile

Concen: 257.259 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1043804

Ion Ratio Lower Upper

53 100

52 83.9 66.4 99.6

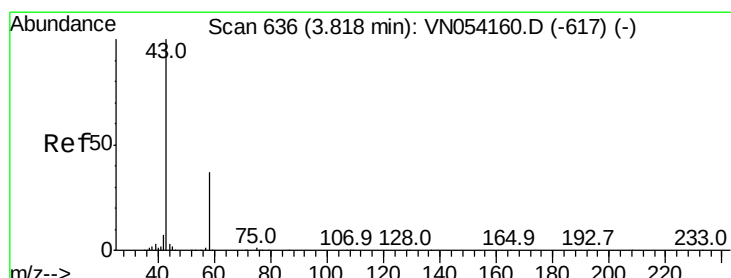
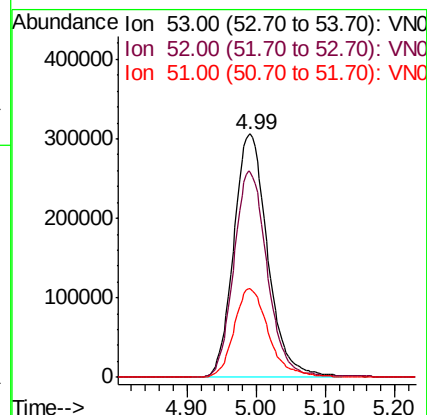
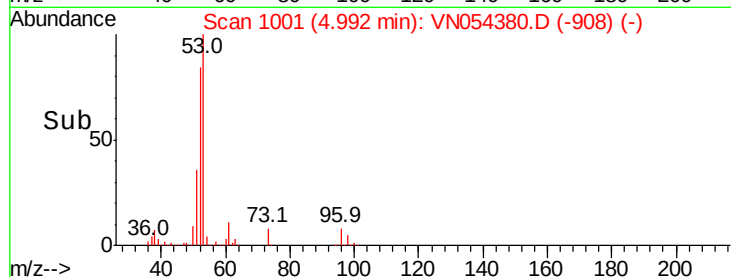
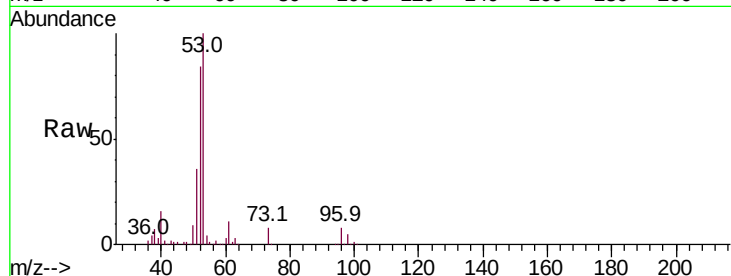
51 37.2 29.6 44.4

Manual Integrations

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#16

Acetone

Concen: 267.236 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054380.D

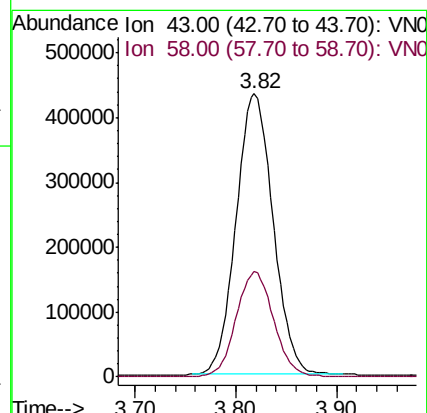
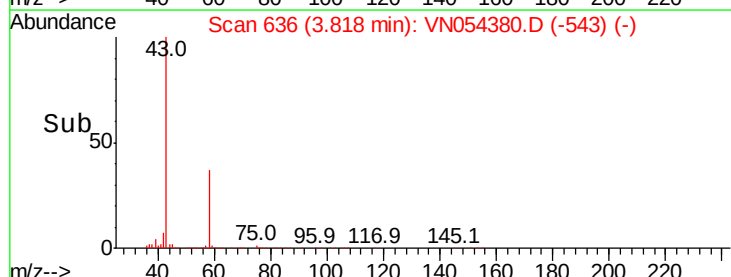
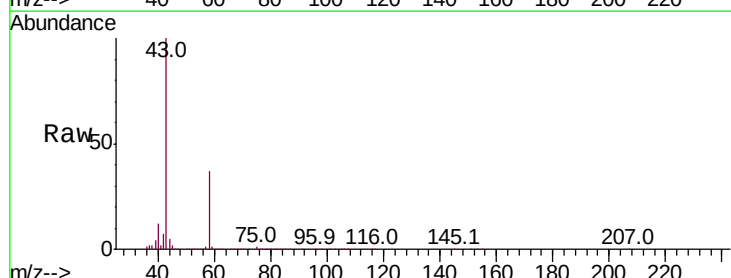
Acq: 18 Mar 2019 8:50

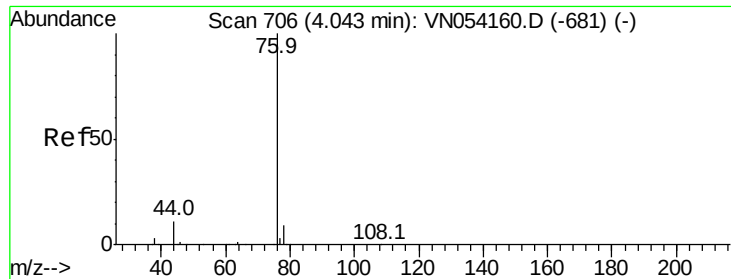
Tgt Ion: 43 Resp: 1102467

Ion Ratio Lower Upper

43 100

58 37.4 29.9 44.9





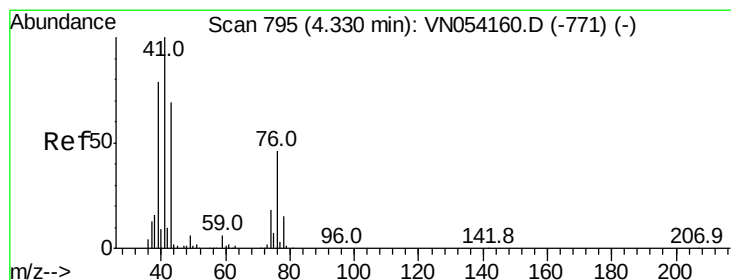
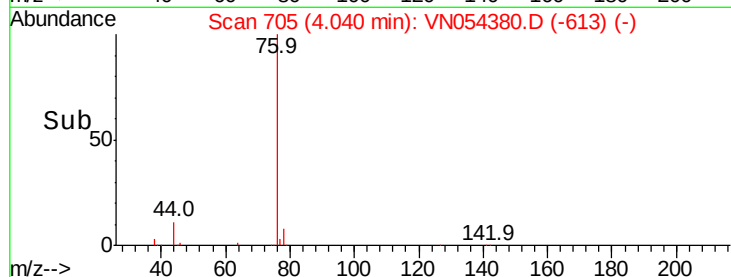
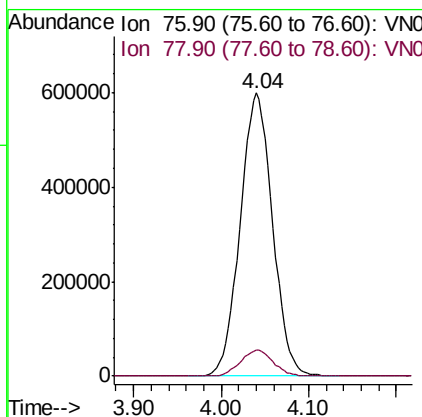
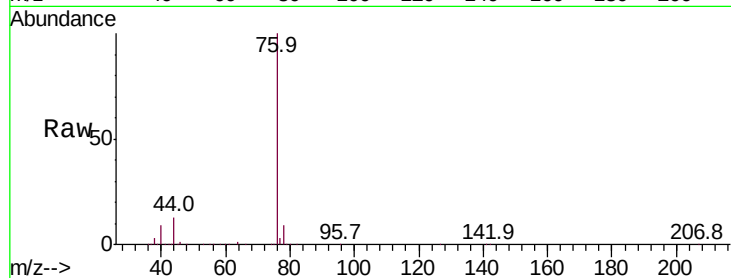
#17
Carbon Disulfide
Concen: 43.422 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1534234
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3

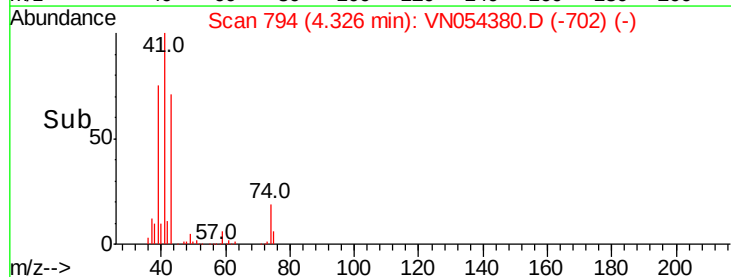
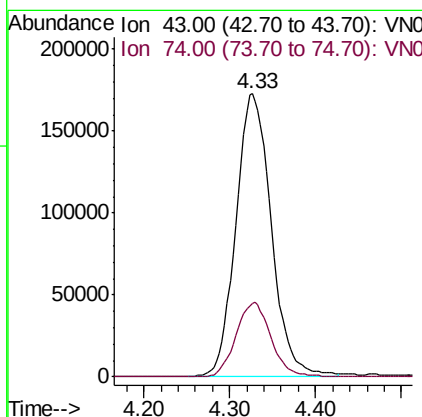
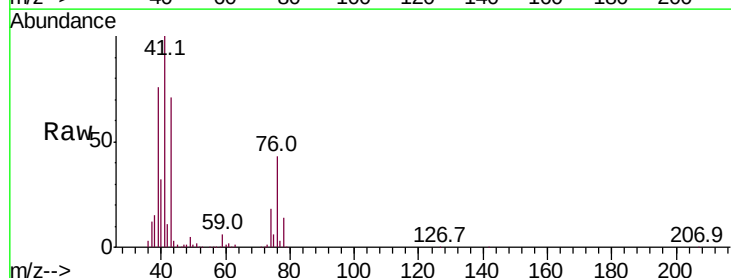
Manual Integrations
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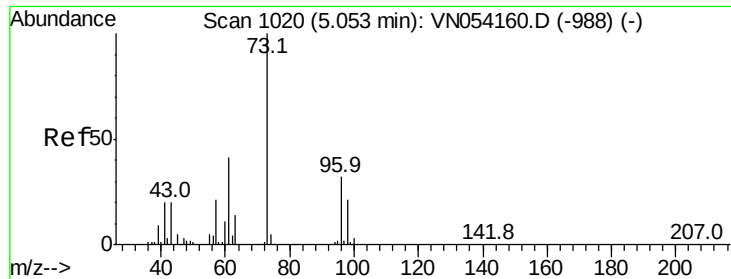
MMDadoda
3/19/2019 9:23:35 AM



#18
Methyl Acetate
Concen: 58.771 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion: 43 Resp: 490535
Ion Ratio Lower Upper
43 100
74 26.4 20.8 31.2





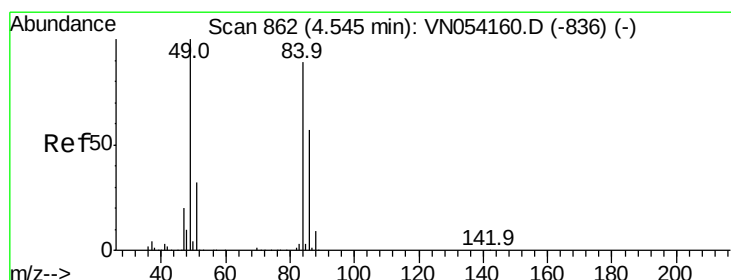
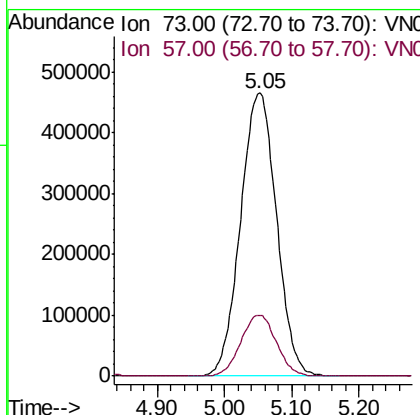
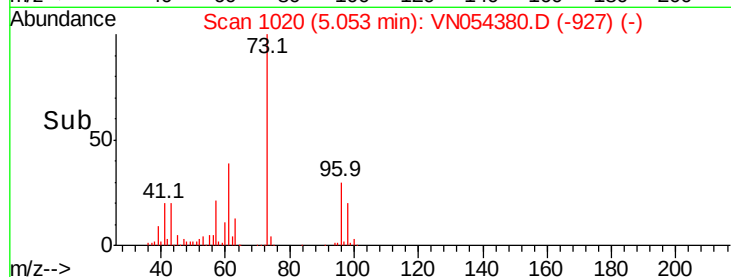
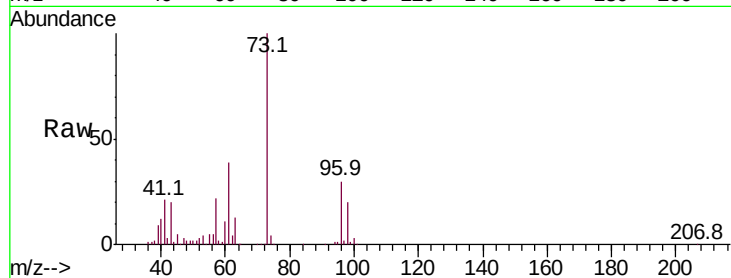
#19
Methvl tert-butyl Ether
Concen: 49.548 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1731042
Ion Ratio Lower Upper
73 100
57 21.5 16.8 25.2

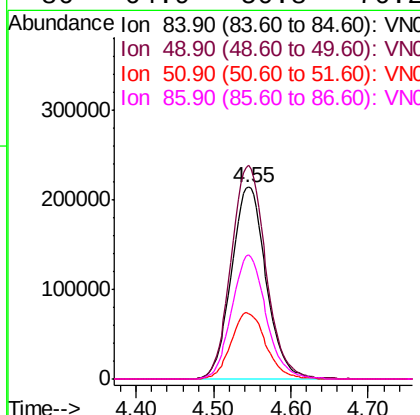
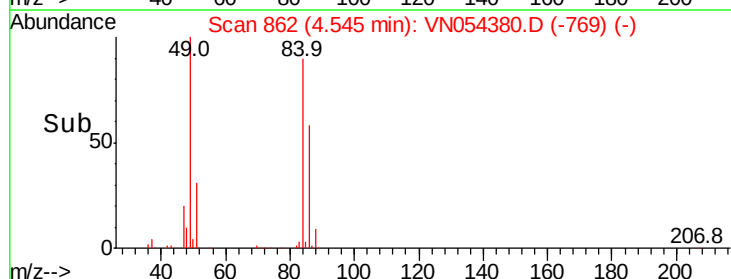
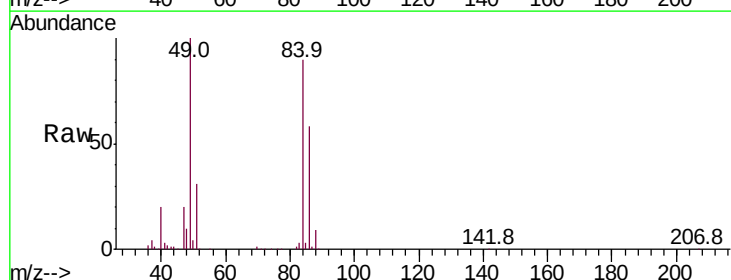
Manual Integrations
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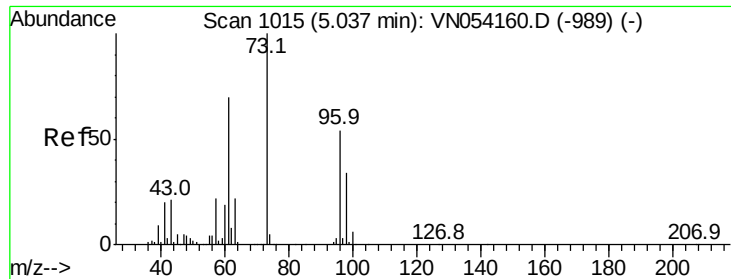
MMDadoda
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#20
Methylene Chloride
Concen: 49.363 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion: 84 Resp: 668672
Ion Ratio Lower Upper
84 100
49 111.5 89.7 134.5
51 34.3 28.2 42.4
86 64.9 50.8 76.2





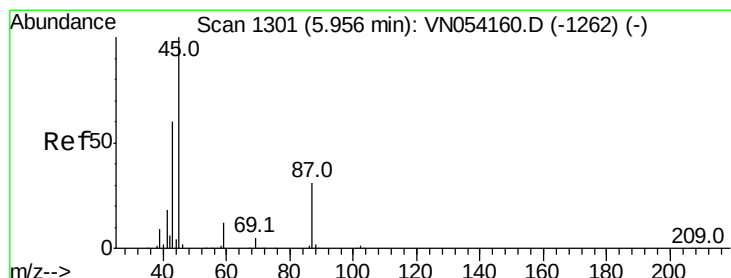
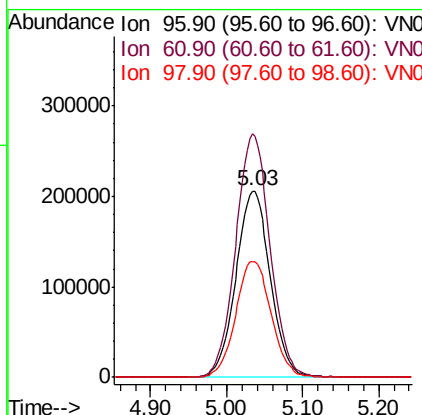
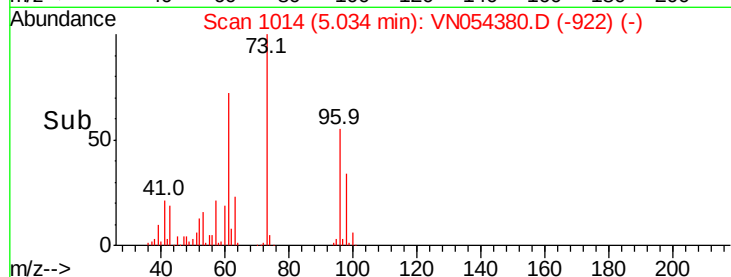
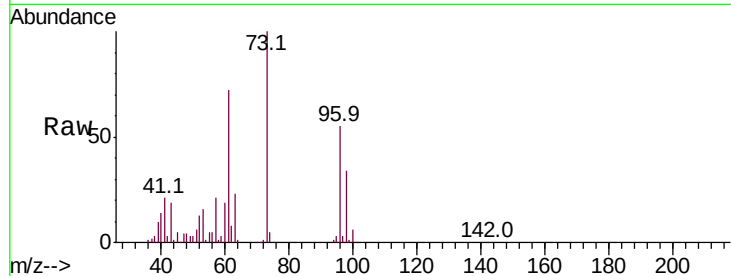
#21
trans-1,2-Dichloroethene
Concen: 47.955 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 647615
Ion Ratio Lower Upper
96 100
61 130.8 102.8 154.2
98 62.4 50.0 75.0

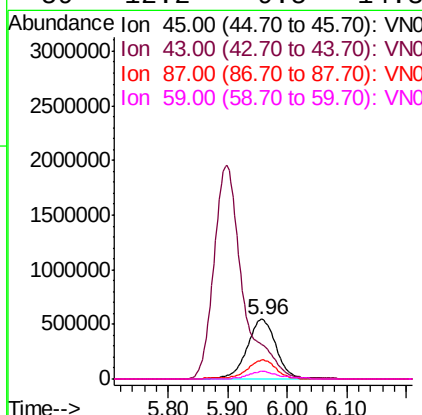
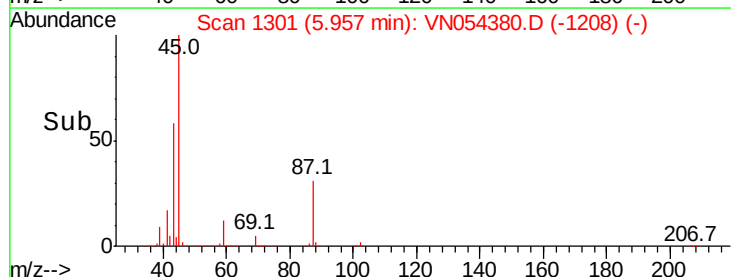
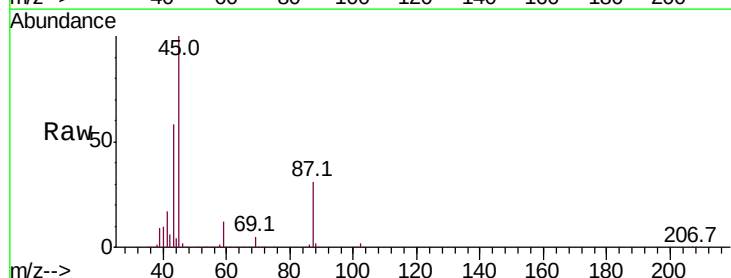
Manual Integrations
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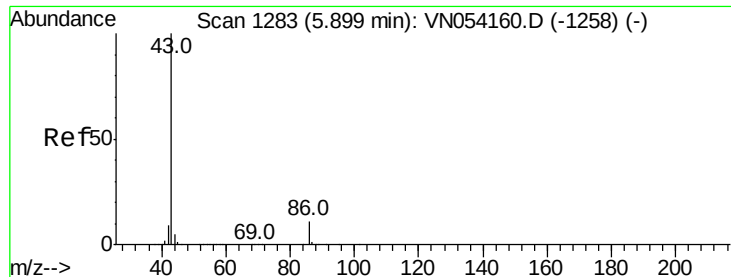
MMDadoda
3/19/2019 9:23:35 AM



#22
Diisopropyl ether
Concen: 51.799 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion: 45 Resp: 1869578
Ion Ratio Lower Upper
45 100
43 57.1 48.2 72.2
87 30.9 24.9 37.3
59 12.2 9.5 14.3





#23

Vinyl Acetate

Concen: 248.654 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 6617037

Ion Ratio Lower Upper

43 100

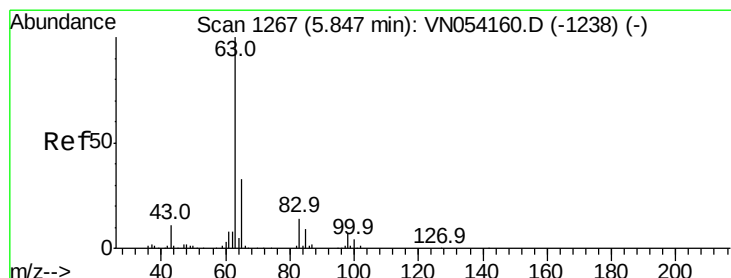
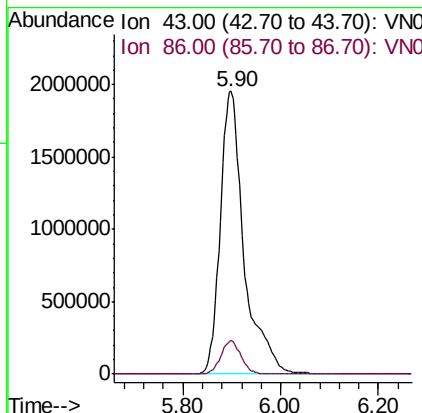
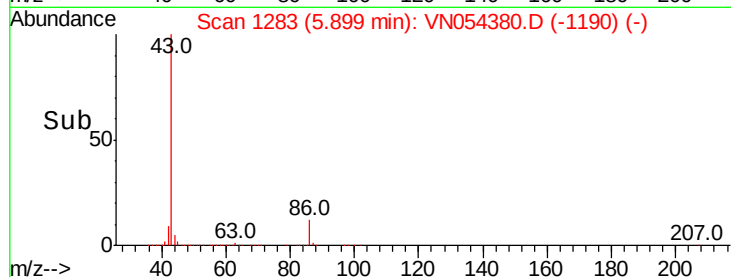
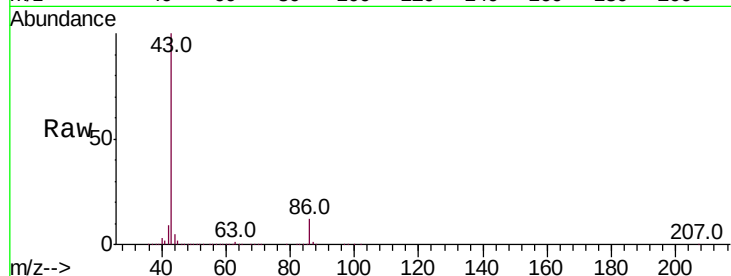
86 11.8 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.483 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

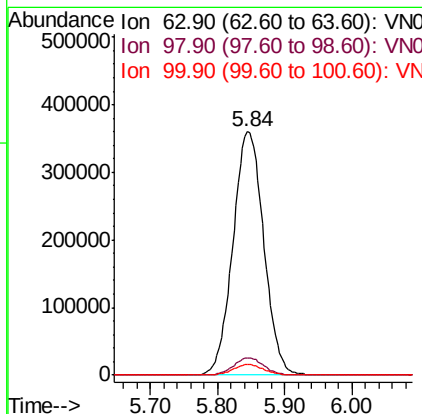
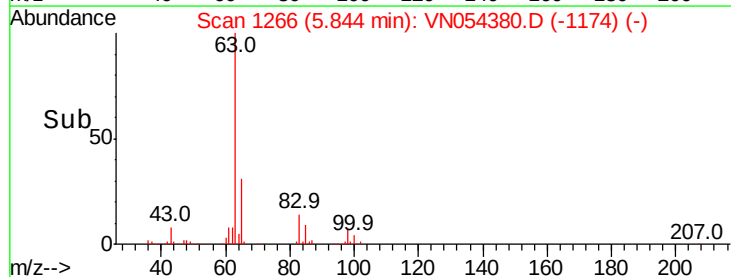
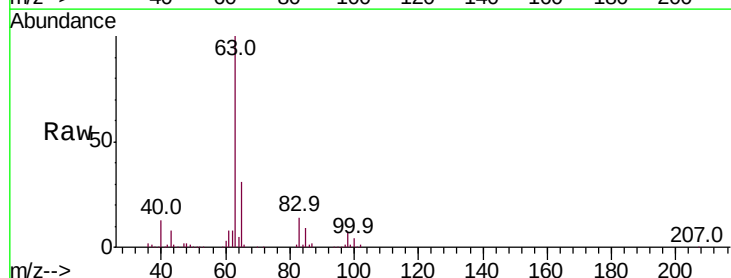
Tgt Ion: 63 Resp: 1146749

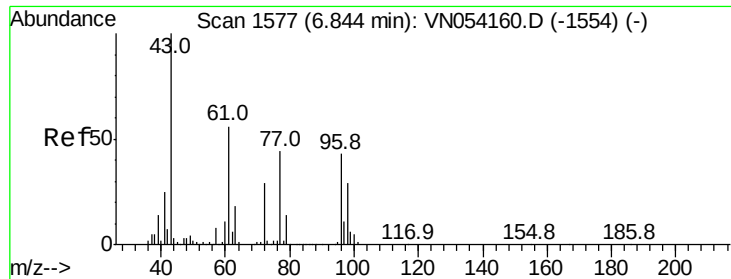
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 276.434 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1338496

Ion Ratio Lower Upper

43 100

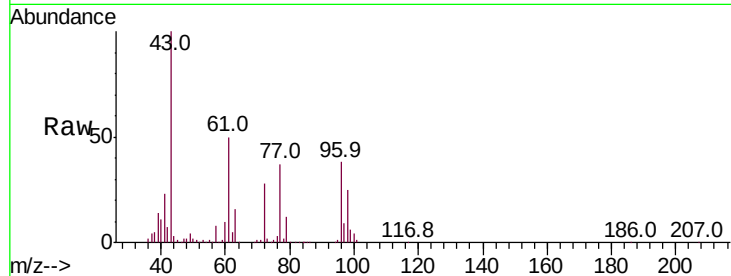
72 28.4 23.0 34.6

Manual Integrations

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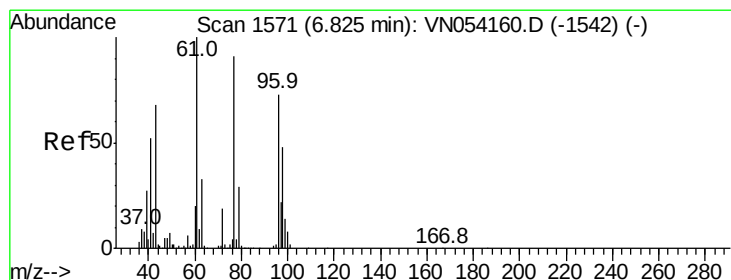
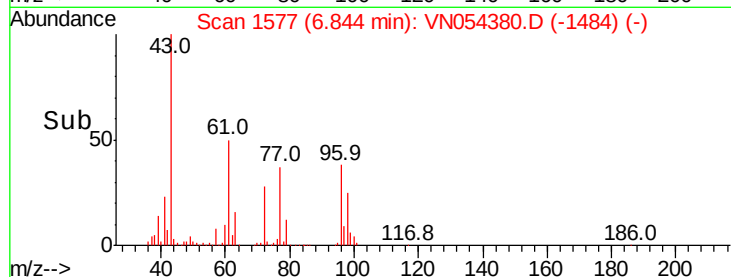
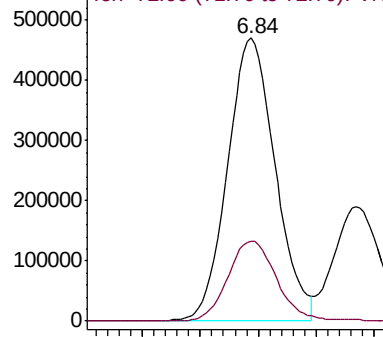
MMDadoda

3/19/2019 9:23:35 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 45.834 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054380.D

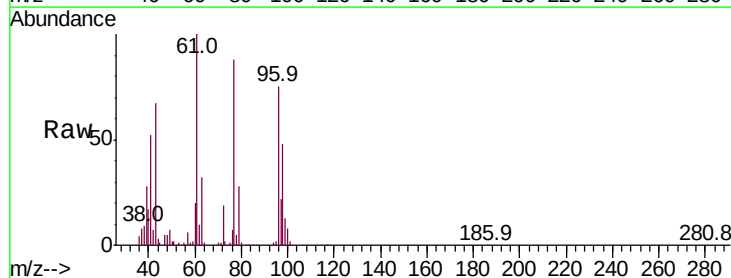
Acq: 18 Mar 2019 8:50

Tgt Ion: 77 Resp: 934076

Ion Ratio Lower Upper

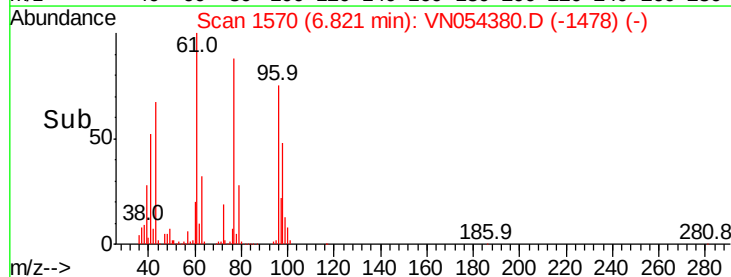
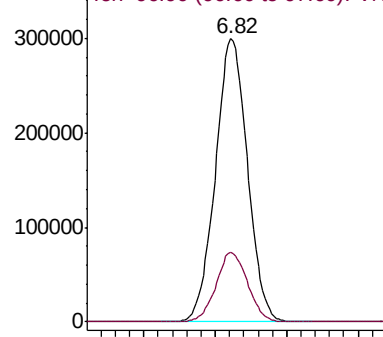
77 100

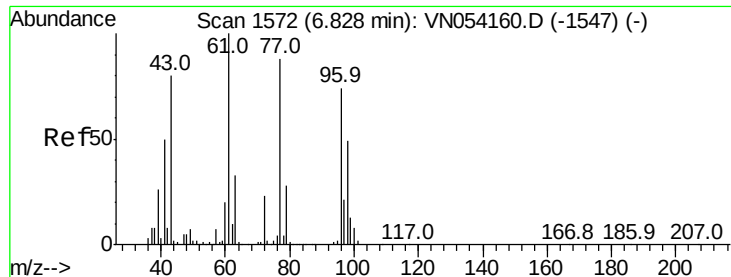
97 24.2 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.316 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

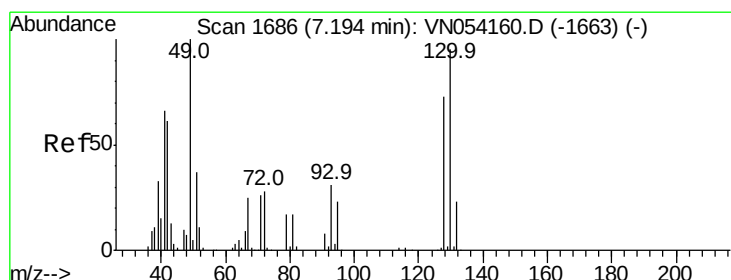
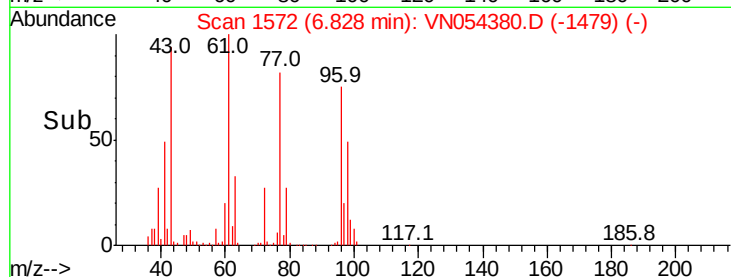
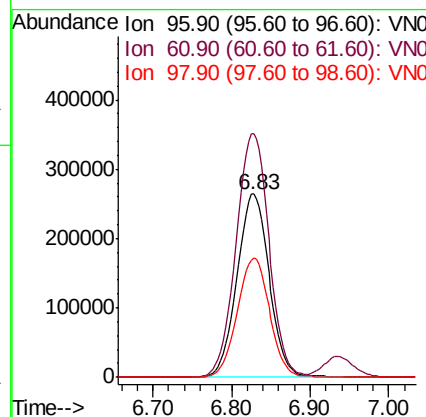
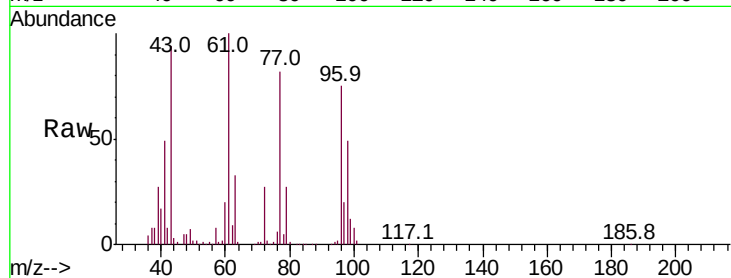
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	758055
Ion Ratio	Lower	Upper	
96	100		
61	135.7	0.0	273.0
98	65.5	0.0	130.6

Manual Integrations
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3/19/2019 9:23:35 AM



#28

Bromochloromethane

Concen: 50.377 ug/l

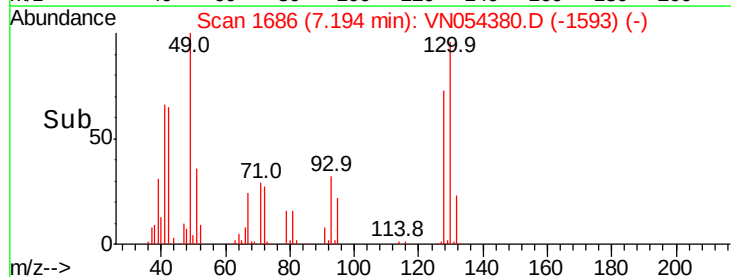
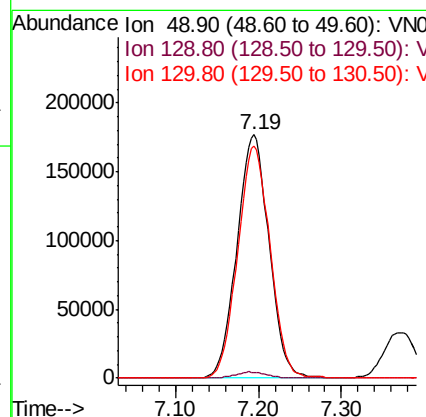
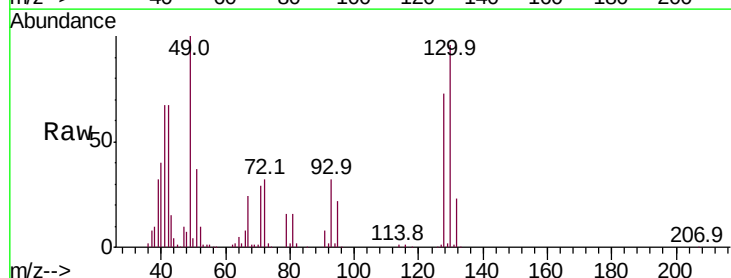
RT: 7.19 min Scan# 1686

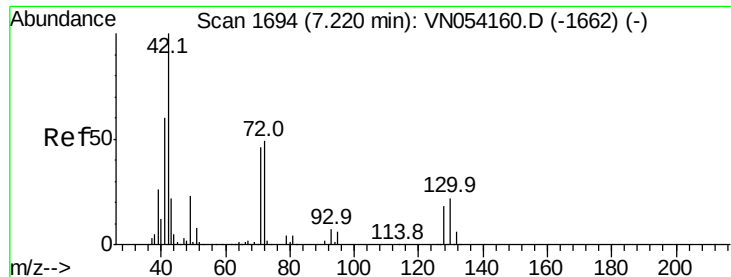
Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Tgt Ion:	49	Resp:	477267
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	4.6
130	95.8	76.7	115.1





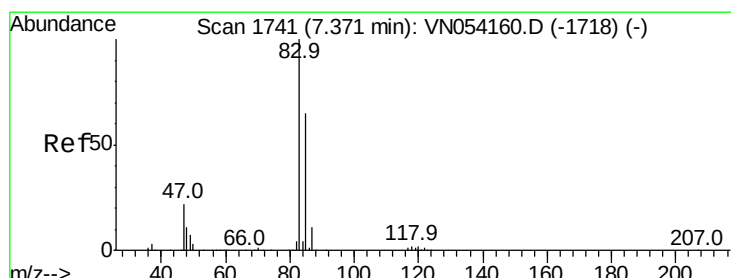
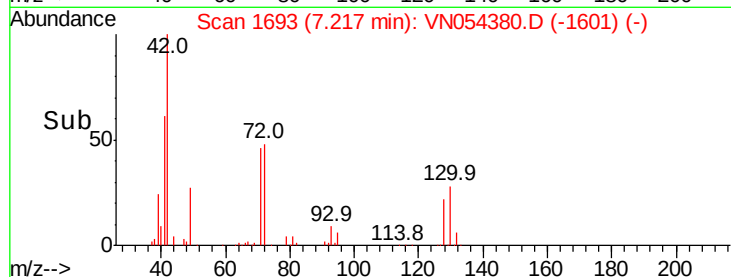
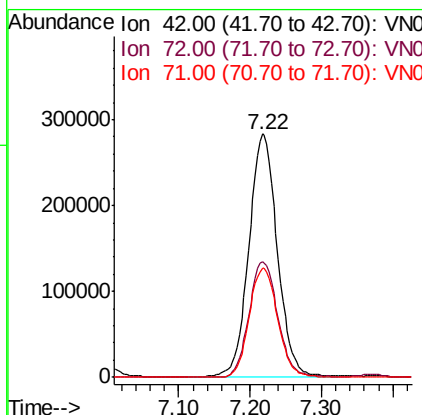
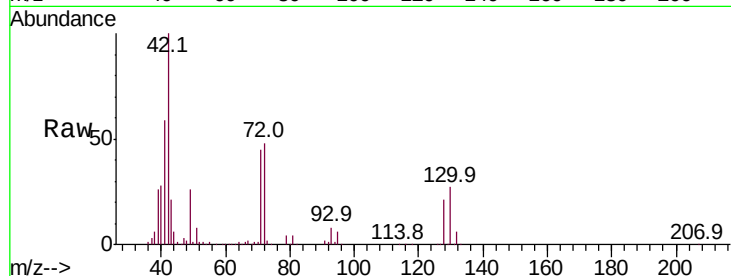
#29
Tetrahydrofuran
Concen: 251.170 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	37.8	56.6
71	45.2	36.2	54.2

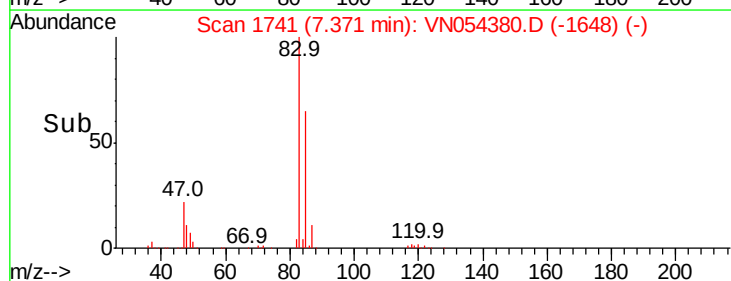
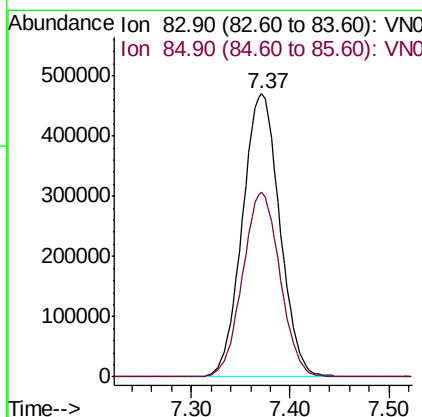
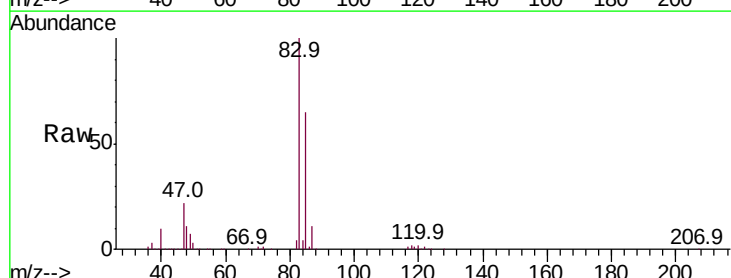
Manual Integrations
APPROVED

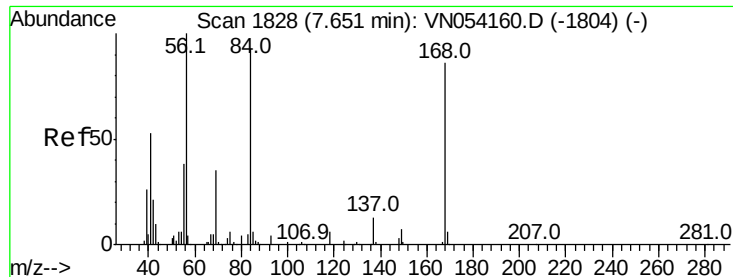
MMDadoda
3/19/2019 9:23:35 AM



#30
Chloroform
Concen: 50.924 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4





#31

Cyclohexane

Concen: 47.375 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 1027834

Ion Ratio Lower Upper

56 100

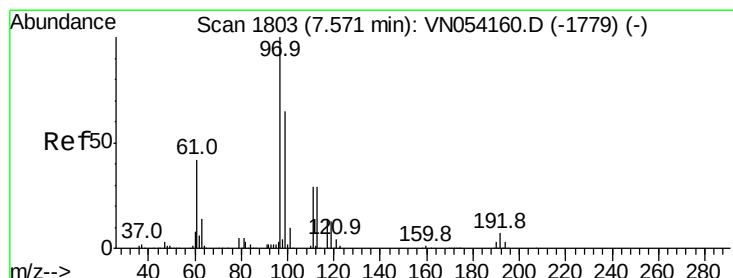
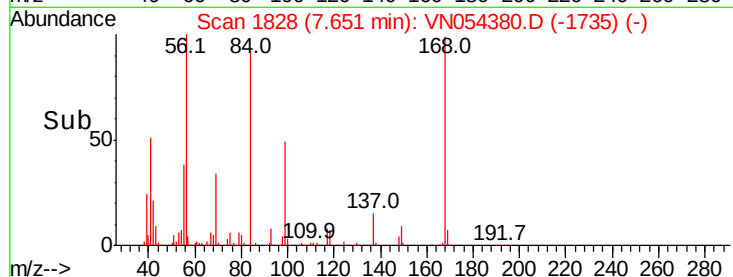
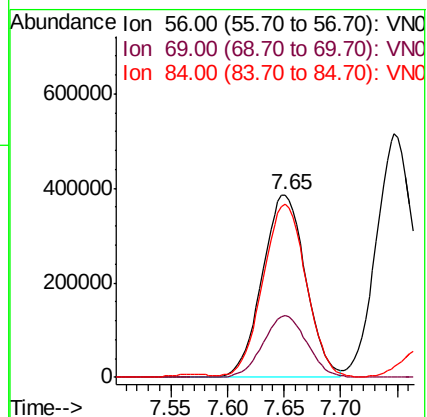
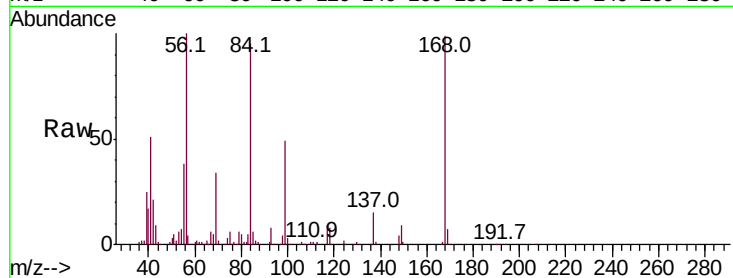
69 34.0 27.8 41.6

84 93.1 74.6 111.8

Manual Integrations
APPROVED

MMDadoda

3/19/2019 9:23:35 AM



#32

1,1,1-Trichloroethane

Concen: 48.521 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

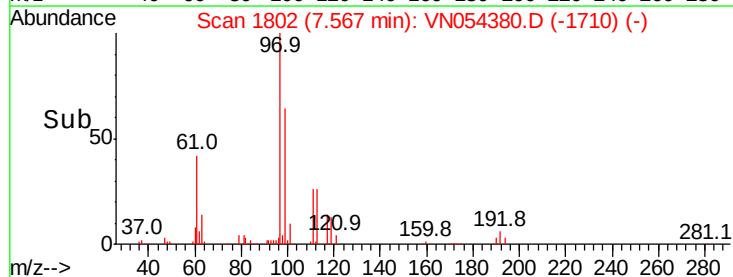
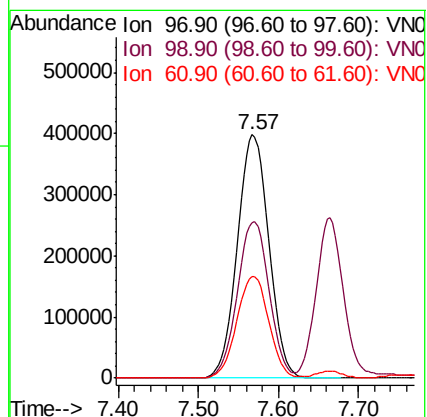
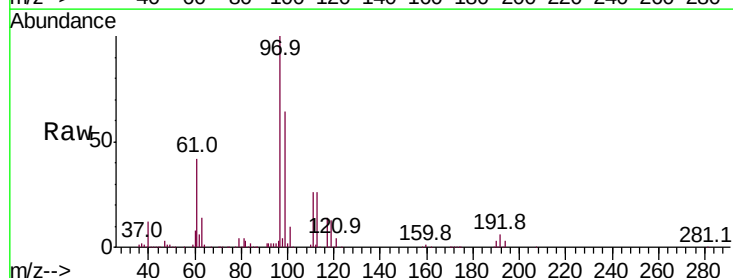
Tgt Ion: 97 Resp: 1059698

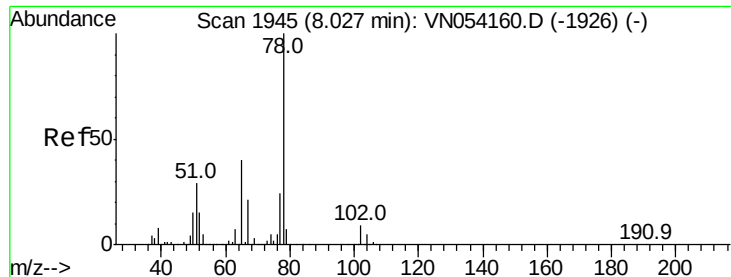
Ion Ratio Lower Upper

97 100

99 64.9 51.5 77.3

61 42.3 33.6 50.4





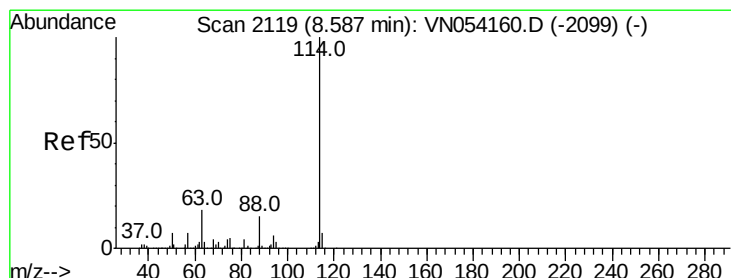
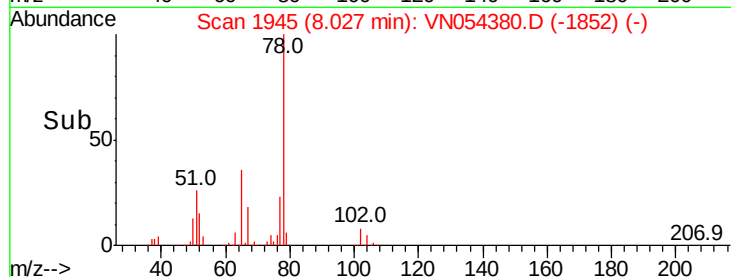
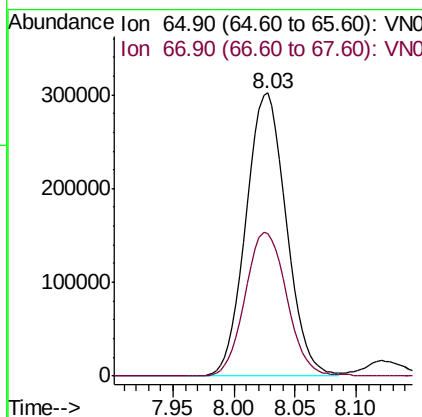
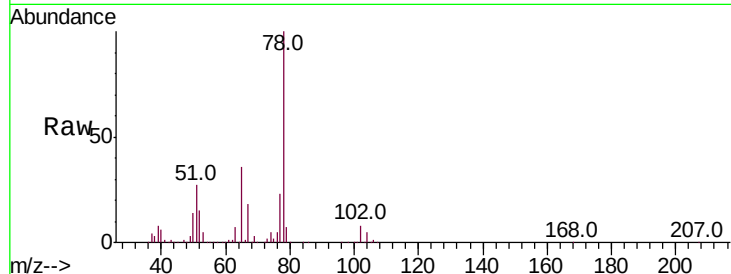
#33
 1,2-Dichloroethane-d4
 Concen: 47.996 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6

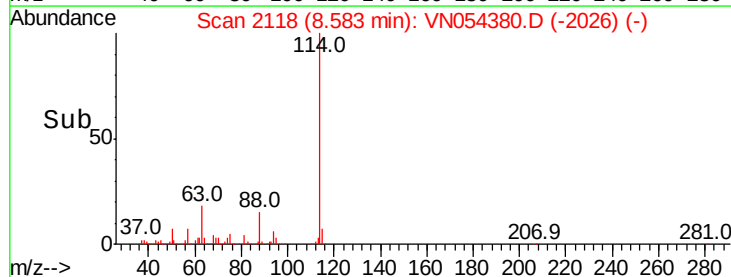
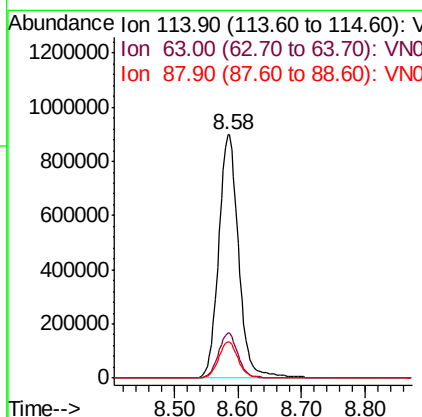
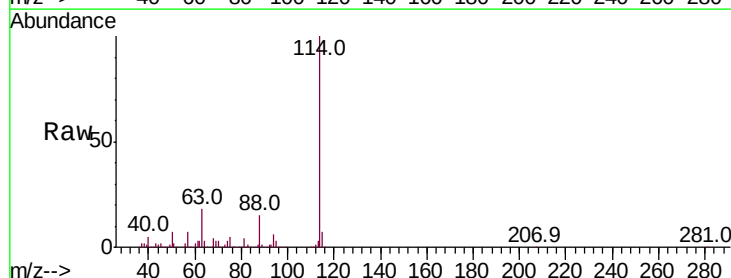
Manual Integrations
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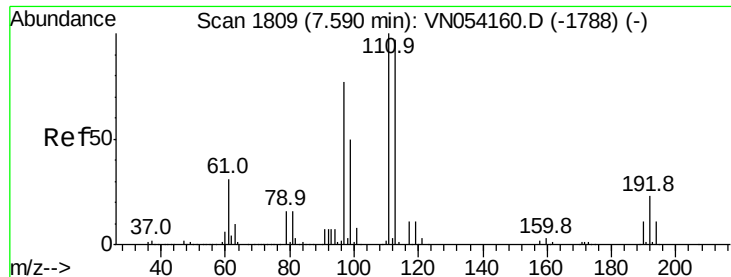
MMDadoda
 3/19/2019 9:23:35 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	35.2
88	14.9	0.0	30.2





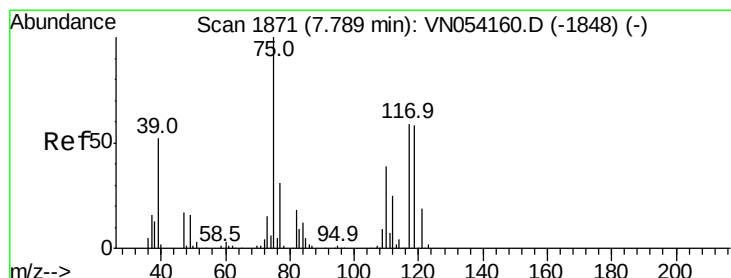
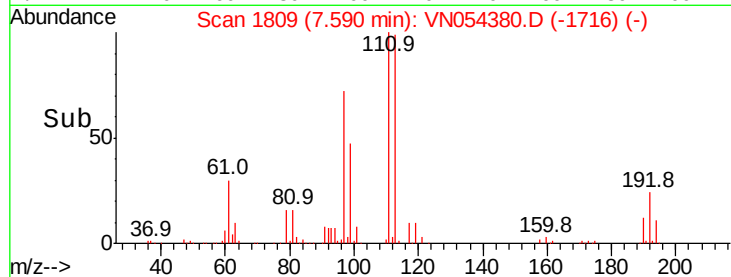
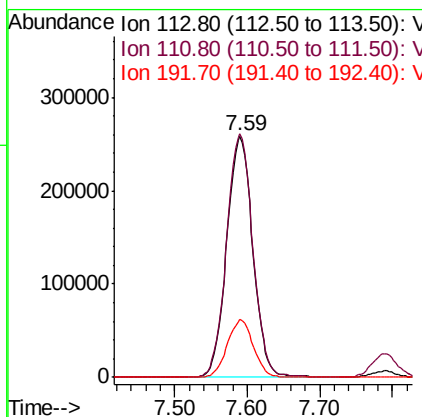
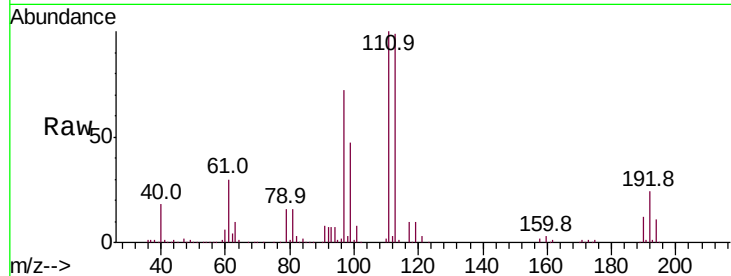
#35
 Dibromofluoromethane
 Concen: 51.330 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	23.8	19.2	28.8

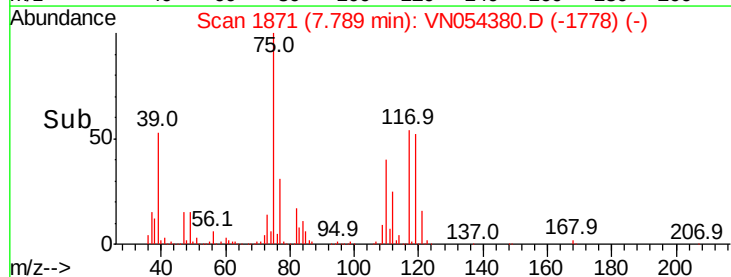
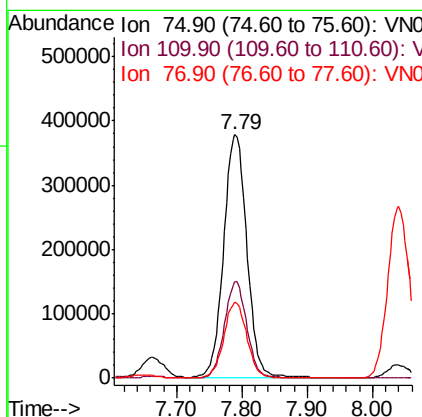
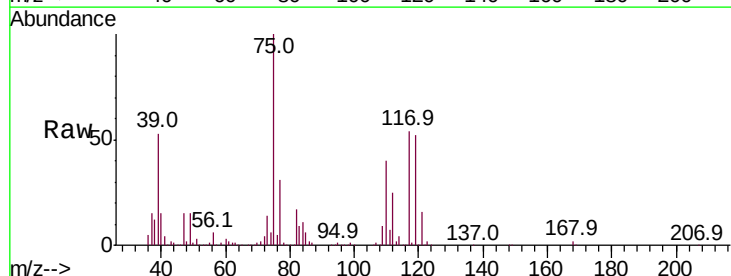
Manual Integrations
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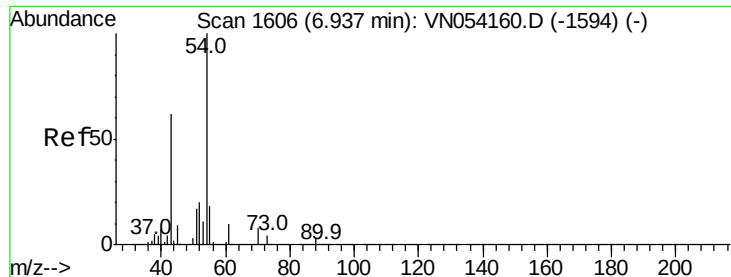
MMDadoda
 3/19/2019 9:23:35 AM



#36
 1,1-Dichloropropene
 Concen: 51.986 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.3	19.1	57.5
77	31.0	25.0	37.4





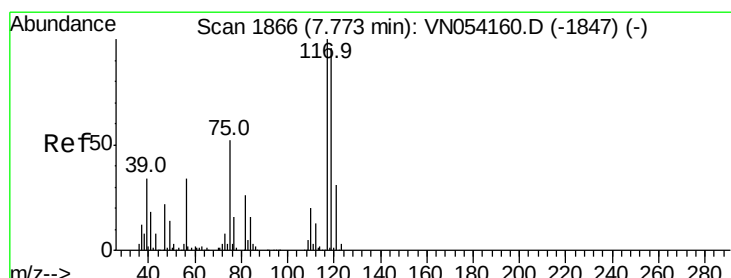
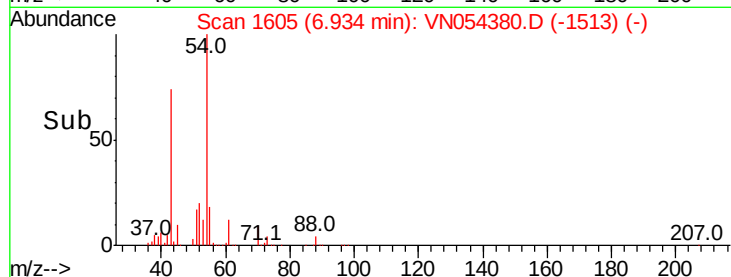
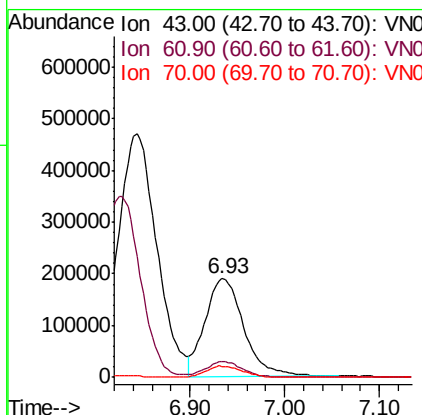
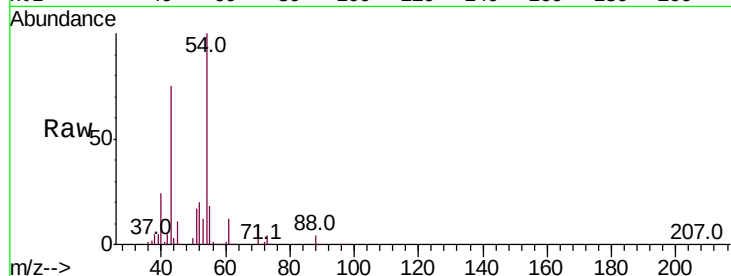
#37
Ethyl Acetate
Concen: 52.162 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	539240
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.6
70	10.9	8.4	12.6

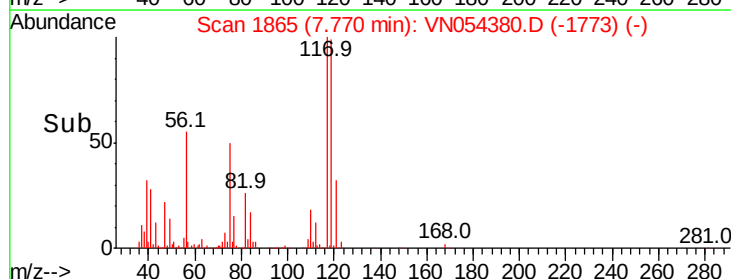
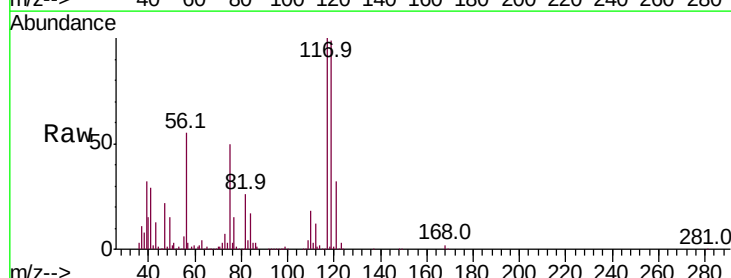
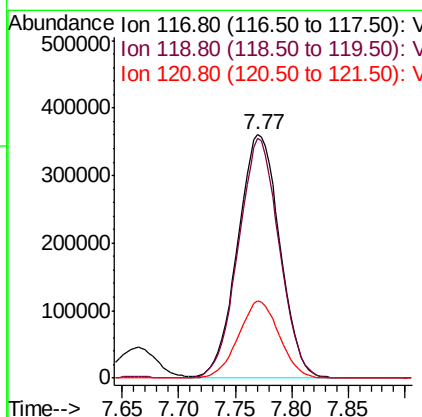
Manual Integrations
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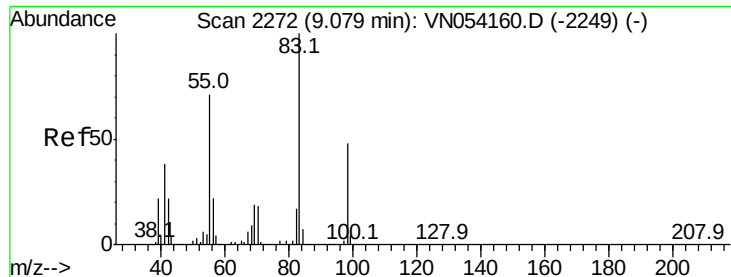
MMDadoda
3/19/2019 9:23:35 AM



#38
Carbon Tetrachloride
Concen: 49.174 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion	117	Resp	927790
Ion	Ratio	Lower	Upper
117	100		
119	98.8	76.3	114.5
121	31.6	24.6	36.8





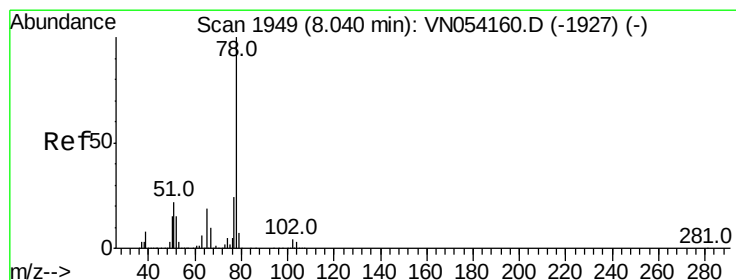
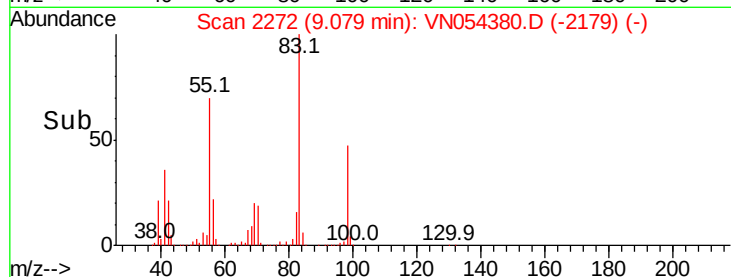
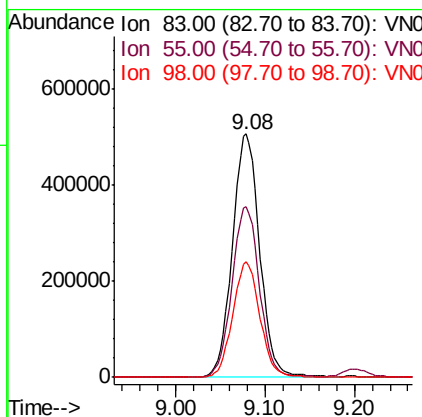
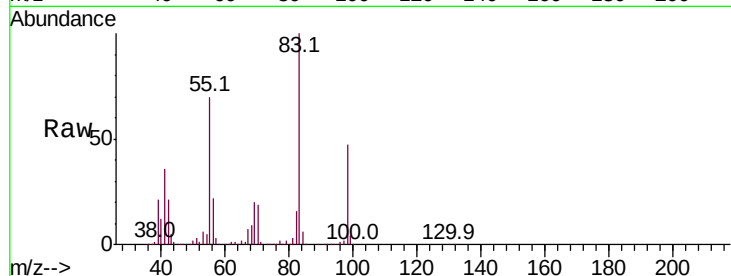
#39
Methylvlcyclohexane
Concen: 48.548 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	1074685
Ion Ratio	100	Lower	Upper
83	100	56.6	84.8
55	70.1	38.4	57.6
98	47.5		

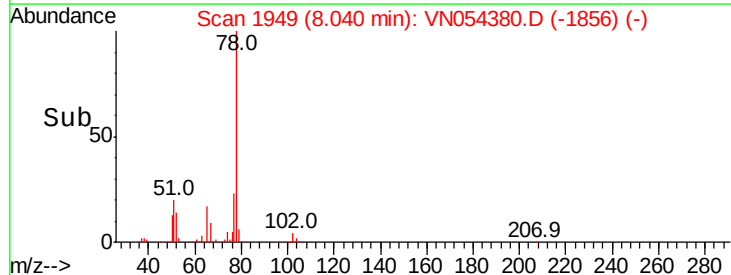
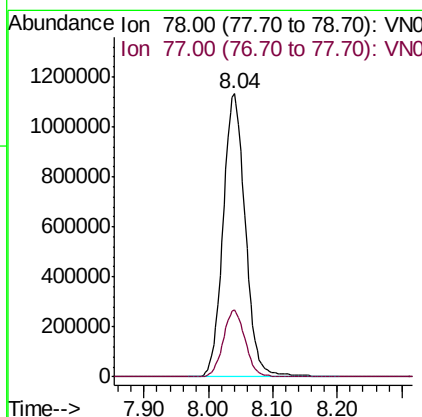
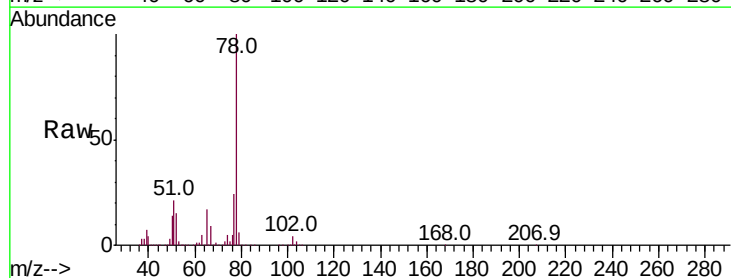
Manual Integrations
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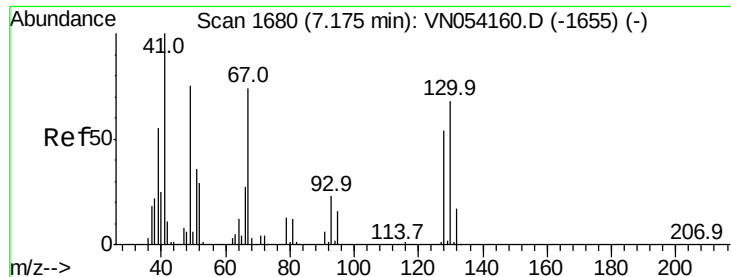
MMDadoda
3/19/2019 9:23:35 AM



#40
Benzene
Concen: 52.872 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion	78	Resp	2722124
Ion Ratio	100	Lower	Upper
78	100	19.1	28.7
77	23.6		





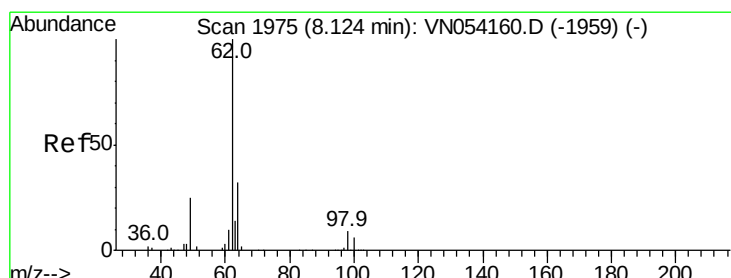
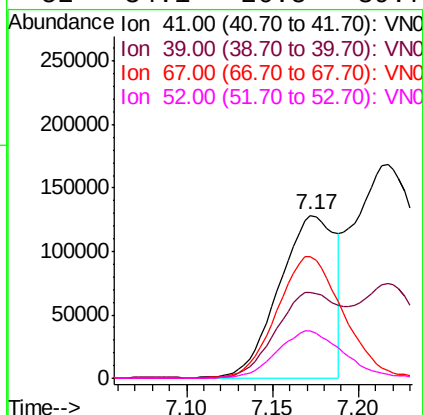
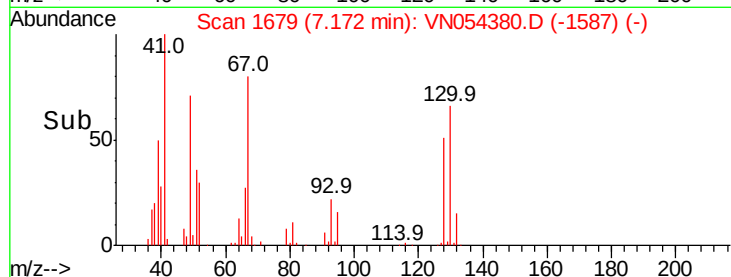
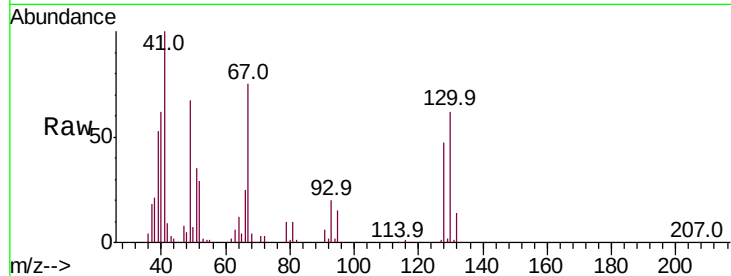
#41
Methacrylonitrile
Concen: 49.243 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.6	46.8	70.2	
67	89.4	67.0	100.4	
52	34.1	26.5	39.7	

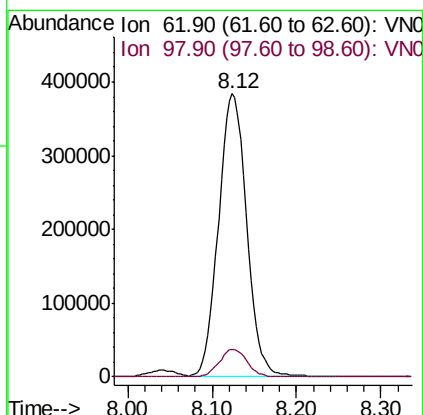
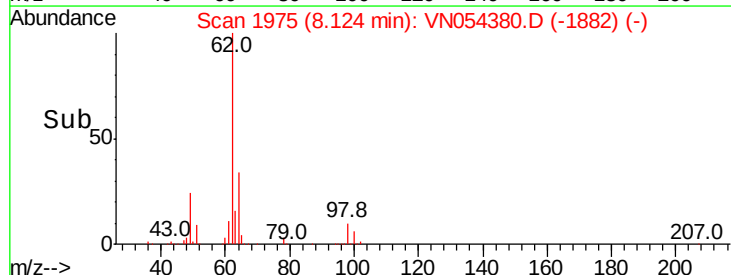
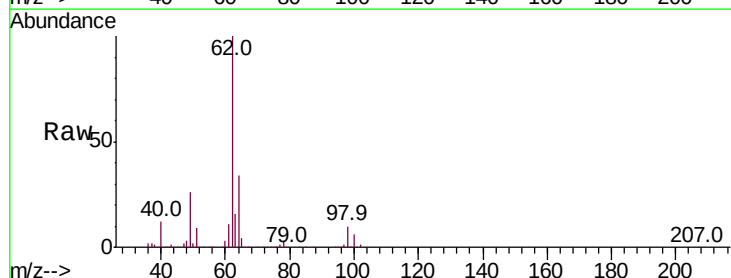
Manual Integrations
APPROVED

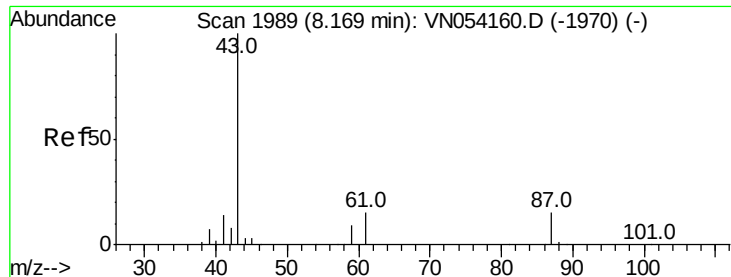
MMDadoda
3/19/2019 9:23:35 AM



#42
1,2-Dichloroethane
Concen: 51.048 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	18.4	





#43

Isopropyl Acetate

Concen: 50.166 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

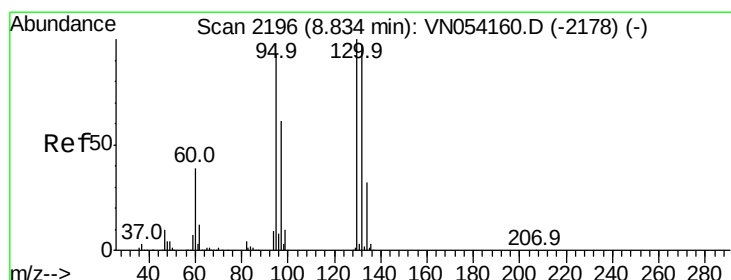
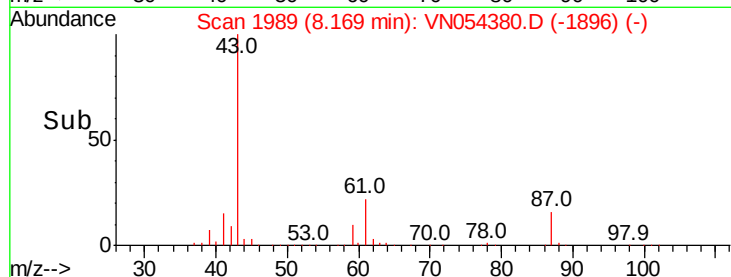
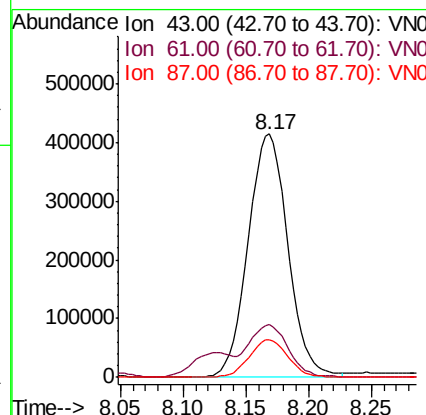
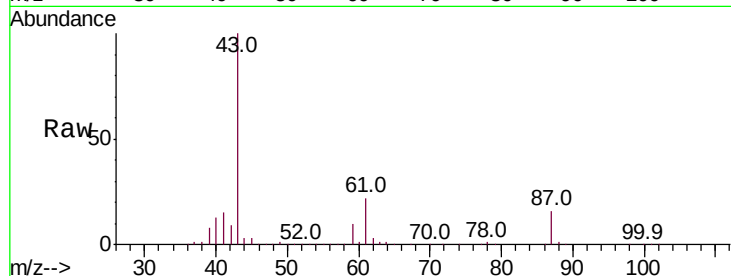
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	910288
Ion Ratio	Lower	Upper	
43	100		
61	21.2	15.8	23.8
87	15.3	12.0	18.0

Manual Integrations
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#44

Trichloroethene

Concen: 51.704 ug/l

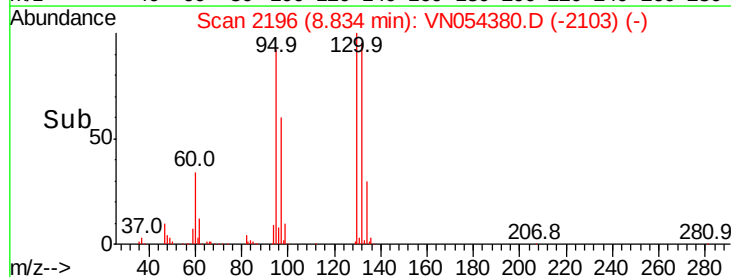
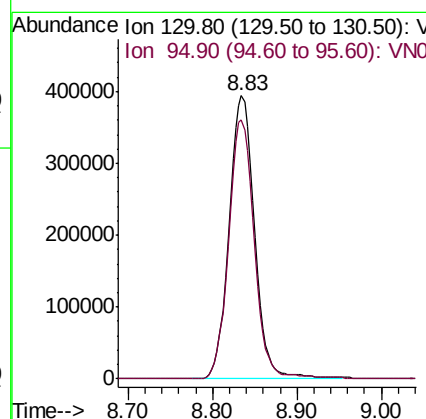
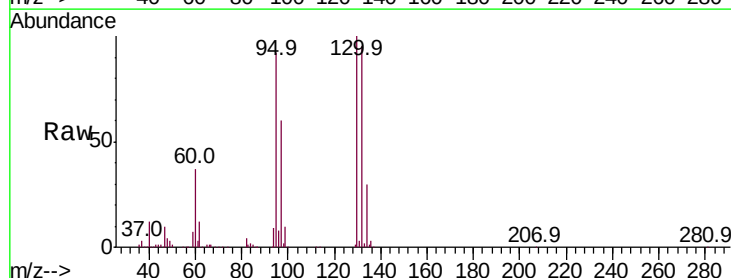
RT: 8.83 min Scan# 2196

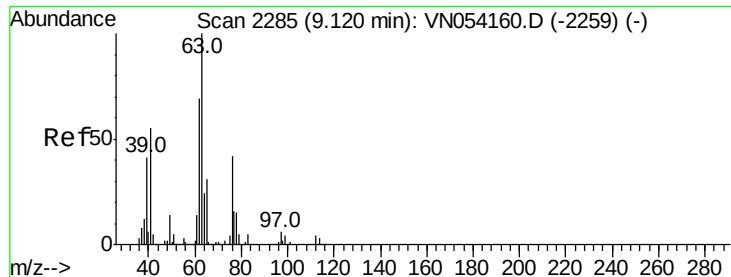
Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Tgt Ion:	130	Resp:	826940
Ion Ratio	Lower	Upper	
130	100		
95	91.6	0.0	185.2





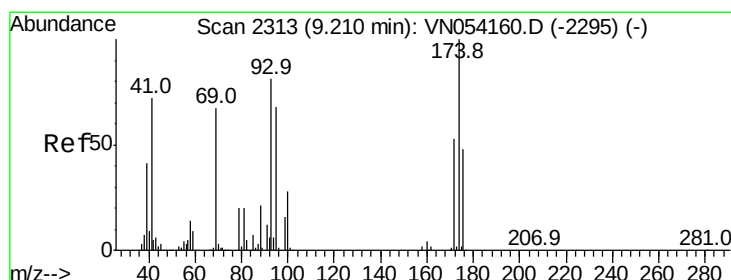
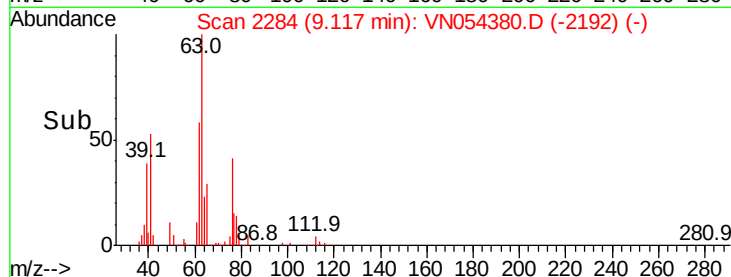
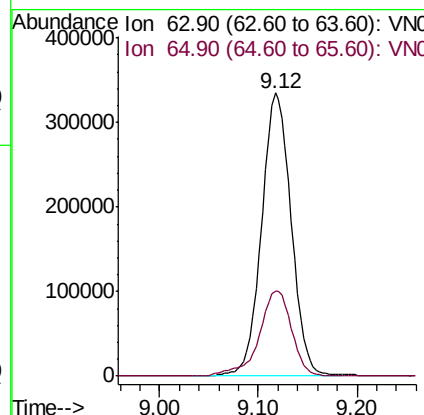
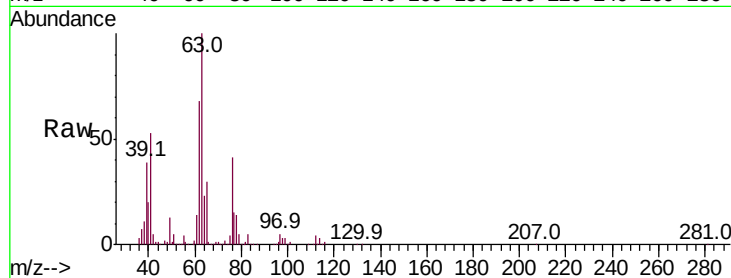
#45
 1,2-Dichloropropane
 Concen: 54.151 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 692270
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.0 37.6

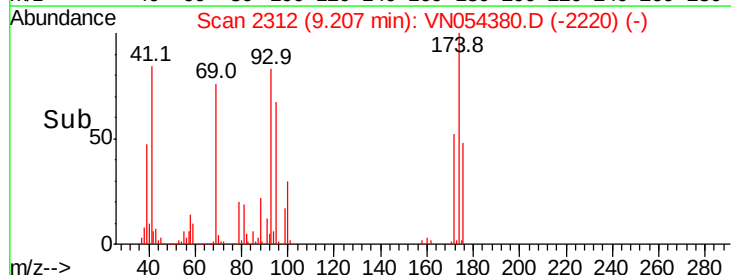
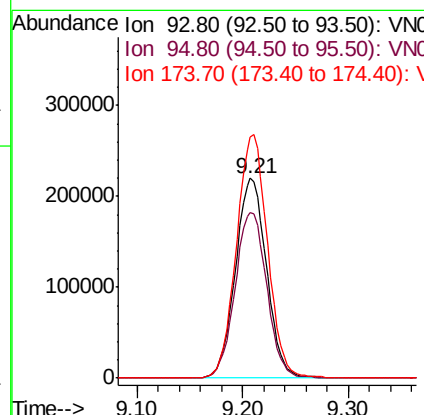
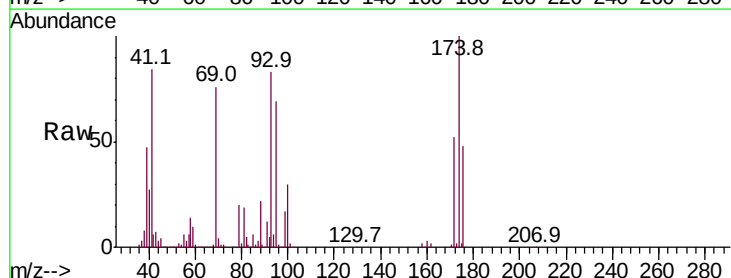
Manual Integrations
 APPROVED

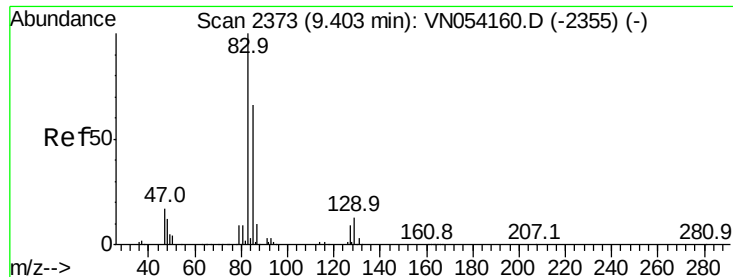
MMDadoda
 3/19/2019 9:23:35 AM



#46
 Dibromomethane
 Concen: 52.092 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Tgt Ion: 93 Resp: 449957
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.7 100.1
 174 121.6 98.5 147.7





#47

Bromodichloromethane

Concen: 53.793 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

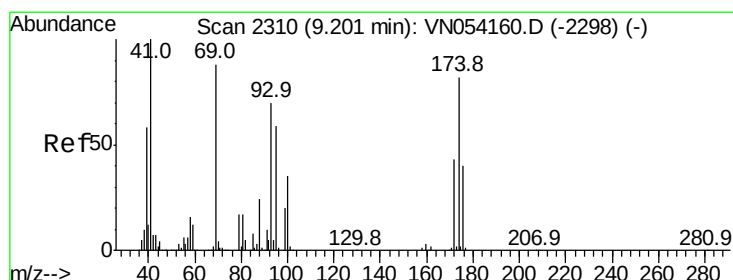
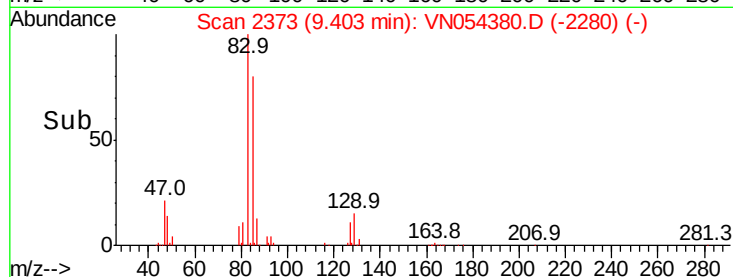
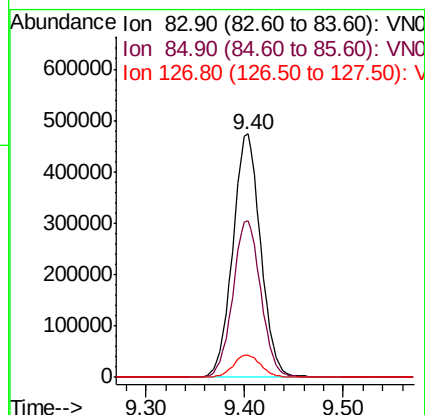
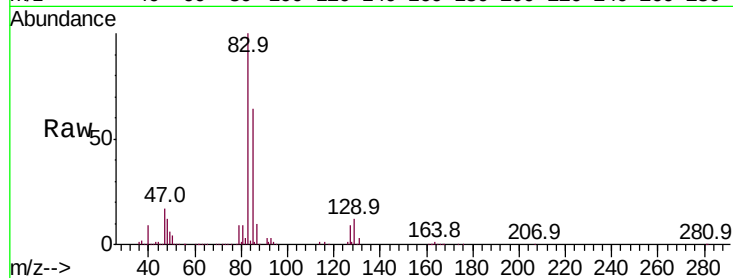
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	931504
Ion Ratio	Lower	Upper	
83	100		
85	64.4	52.8	79.2
127	9.1	7.4	11.2

Manual Integrations
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3/19/2019 9:23:35 AM



#48

Methyl methacrylate

Concen: 53.279 ug/l

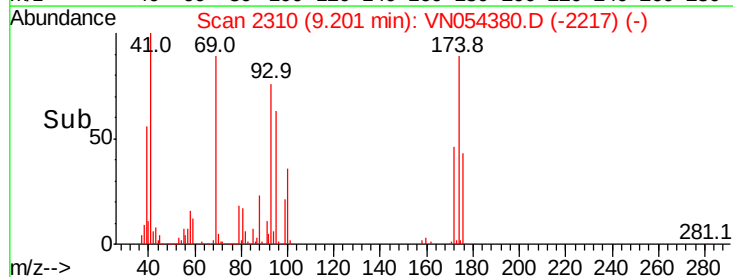
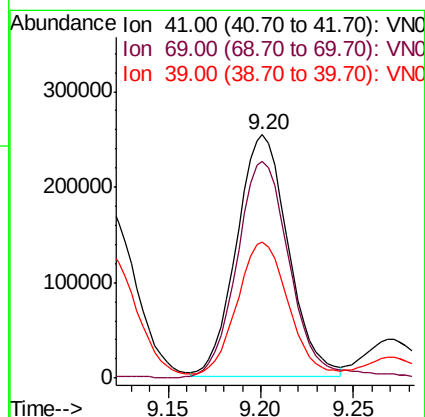
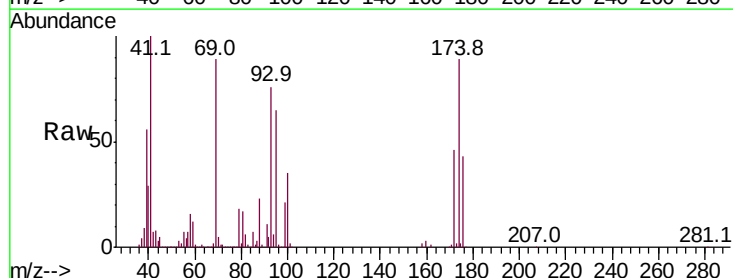
RT: 9.20 min Scan# 2310

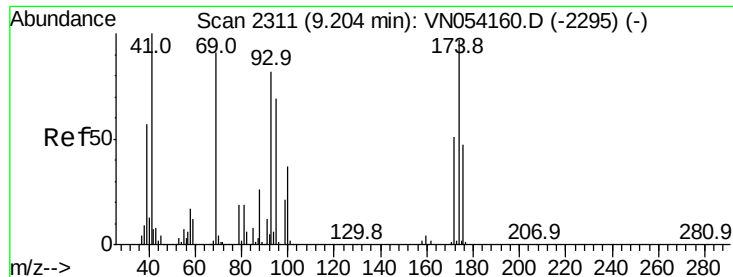
Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Tgt Ion:	41	Resp:	490625
Ion Ratio	Lower	Upper	
41	100		
69	91.6	72.6	108.8
39	56.0	47.5	71.3





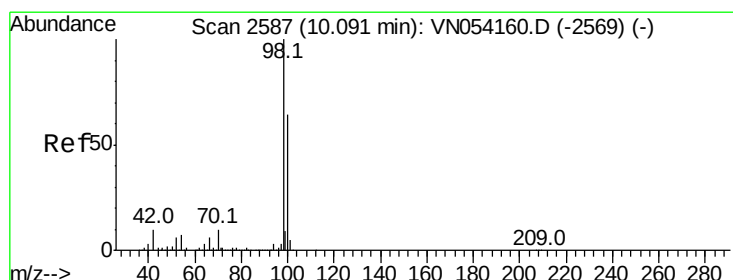
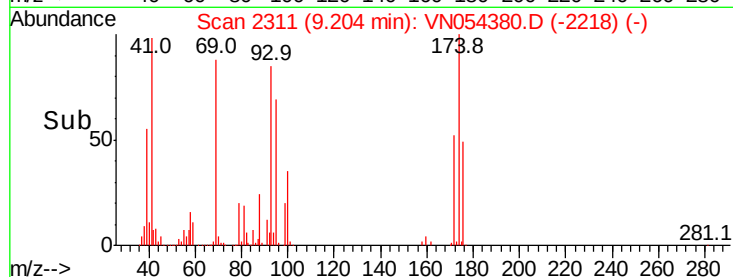
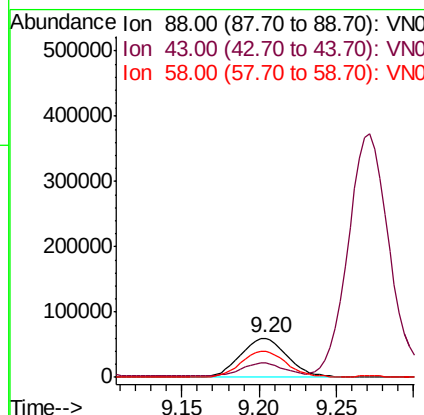
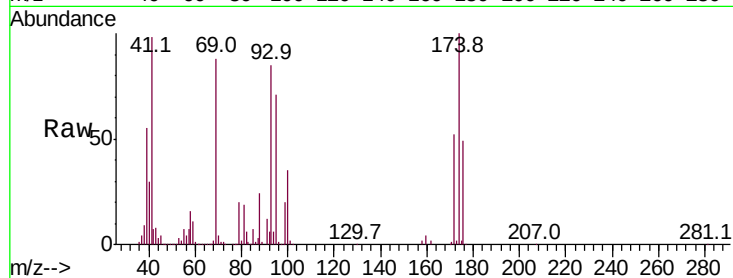
#49
1,4-Dioxane
Concen: 971.192 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.9	24.1	36.1
58	66.2	50.8	76.2

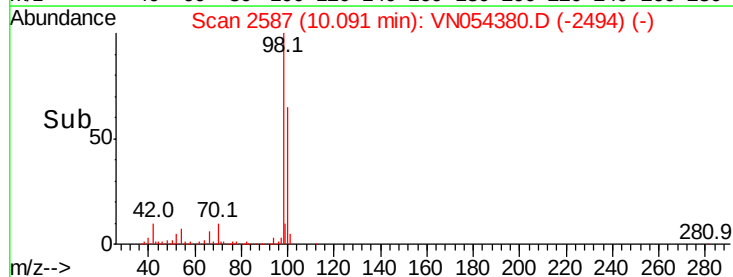
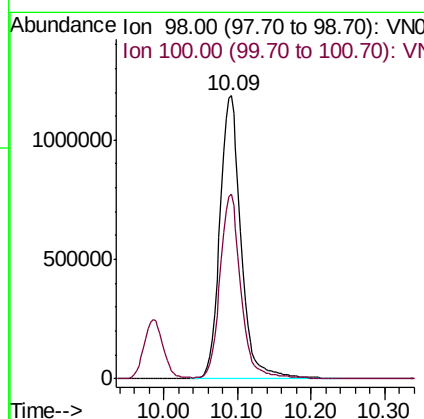
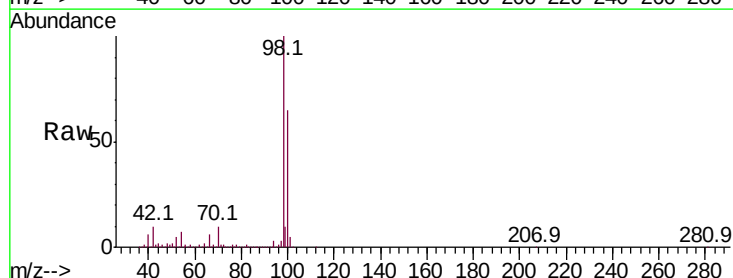
Manual Integrations
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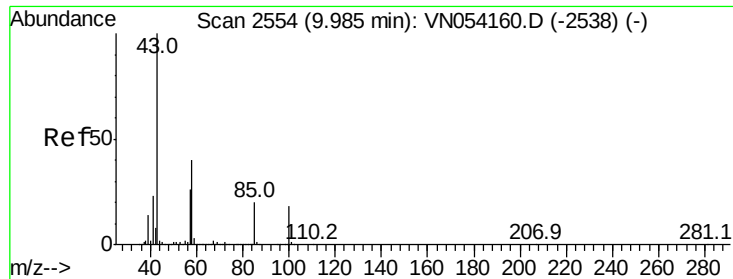
MMDadoda
3/19/2019 9:23:35 AM



#50
Toluene-d8
Concen: 50.763 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 272.590 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2617616

Ion Ratio Lower Upper

43 100

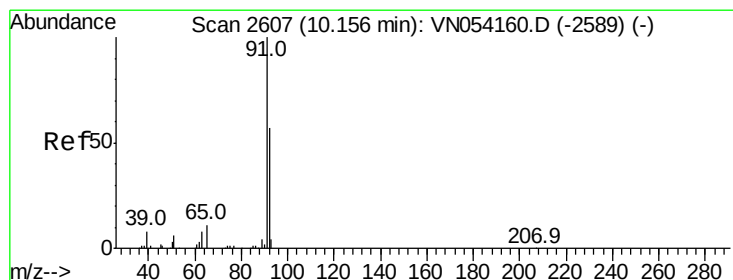
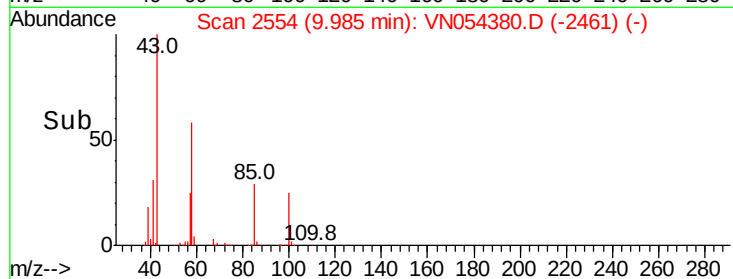
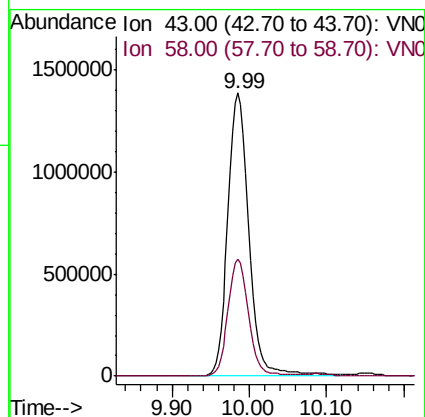
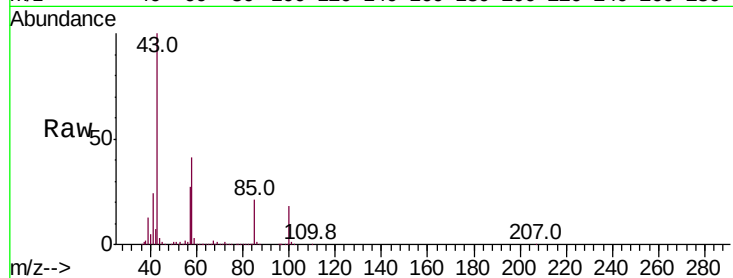
58 40.5 31.8 47.6

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#52

Toluene

Concen: 53.367 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054380.D

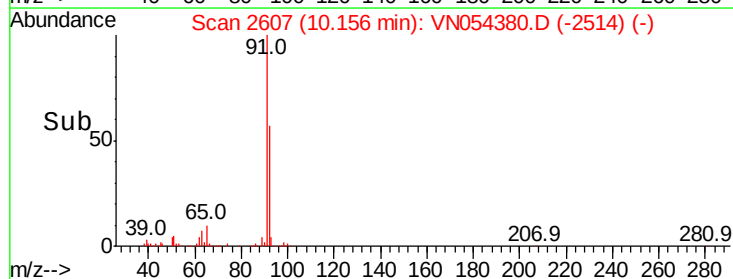
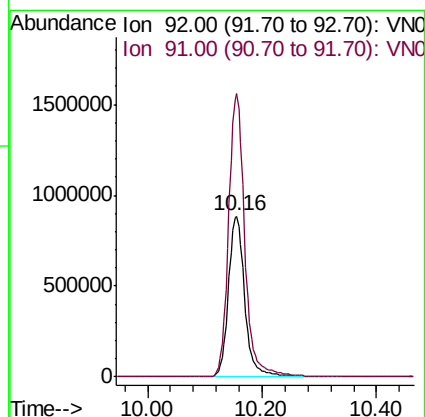
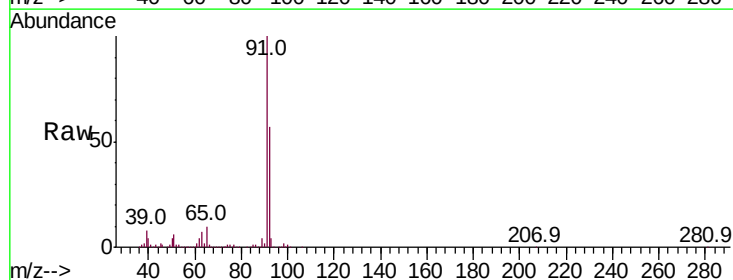
Acq: 18 Mar 2019 8:50

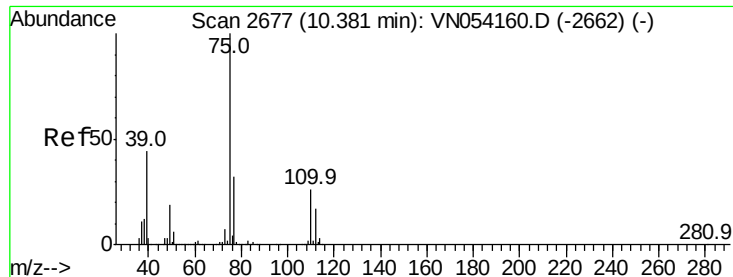
Tgt Ion: 92 Resp: 1742158

Ion Ratio Lower Upper

92 100

91 175.0 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 45.863 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054380.D

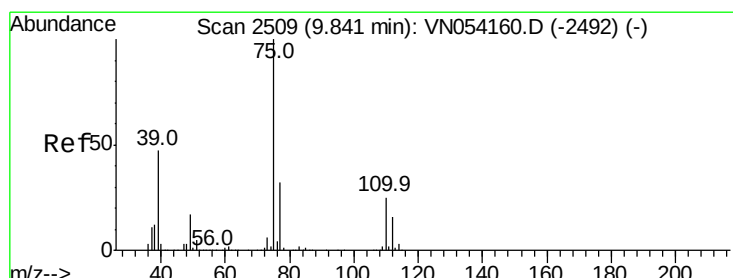
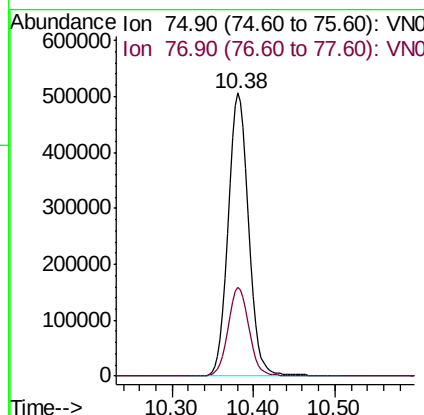
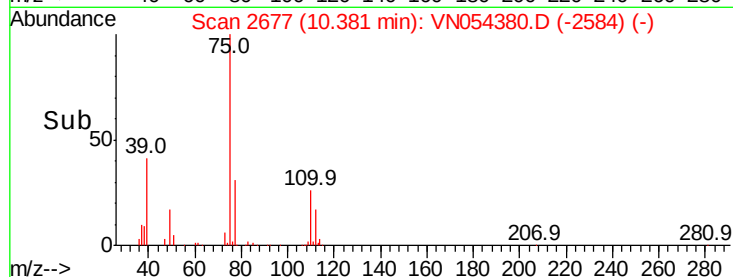
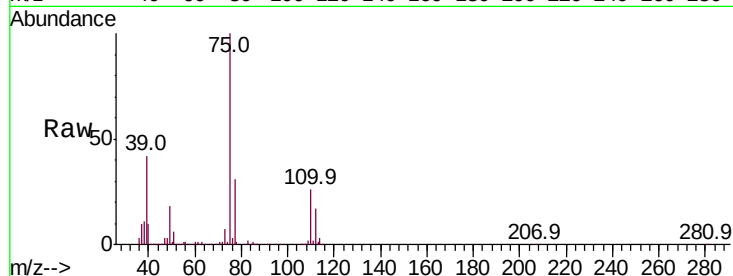
Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 53.001 ug/l

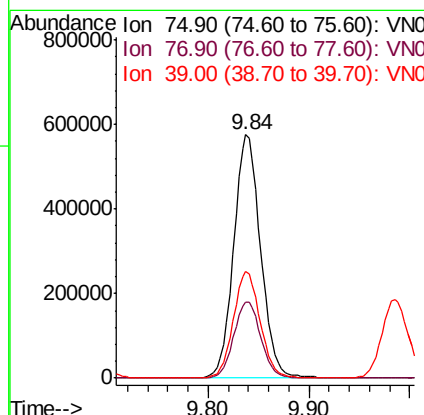
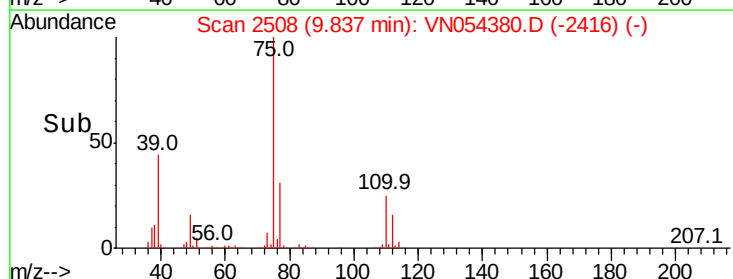
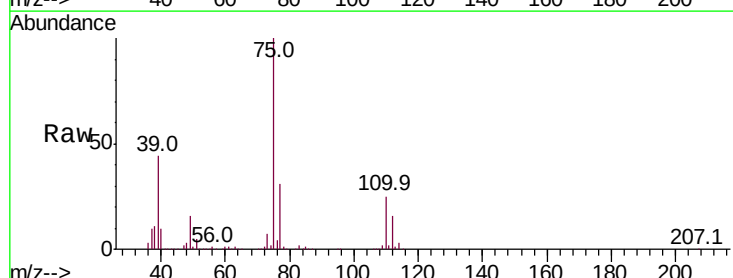
RT: 9.84 min Scan# 2508

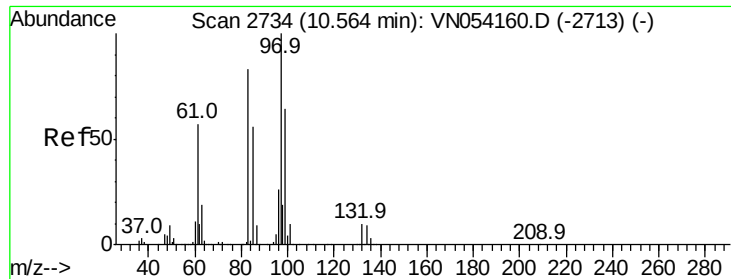
Delta R.T. -0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0
39	43.7	37.2	55.8





#55

1,1,2-Trichloroethane

Concen: 54.056 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 644343

Ion Ratio Lower Upper

97 100

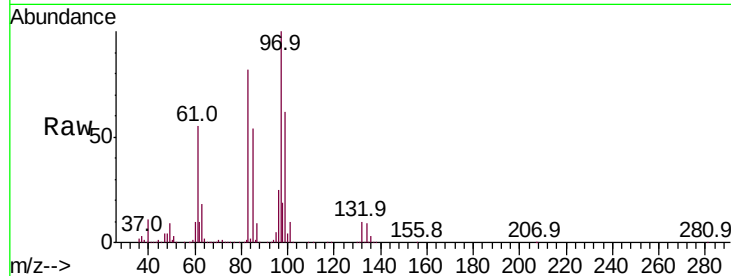
83 81.9 66.6 100.0

85 54.0 44.4 66.6

99 62.0 50.8 76.2

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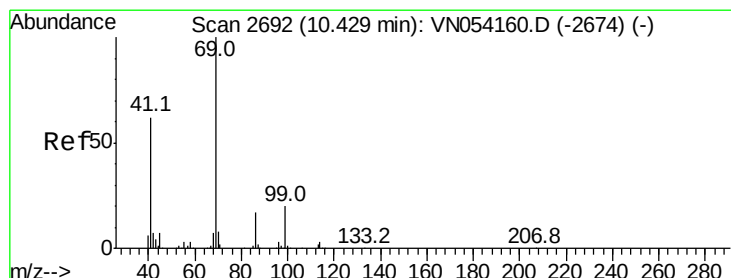
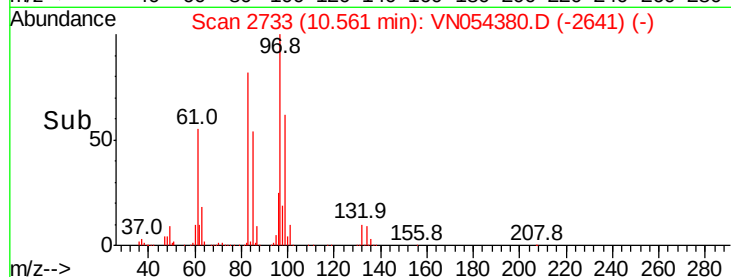
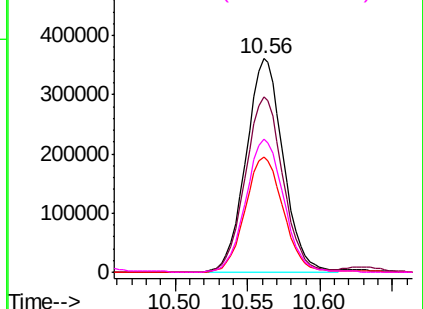


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 53.822 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

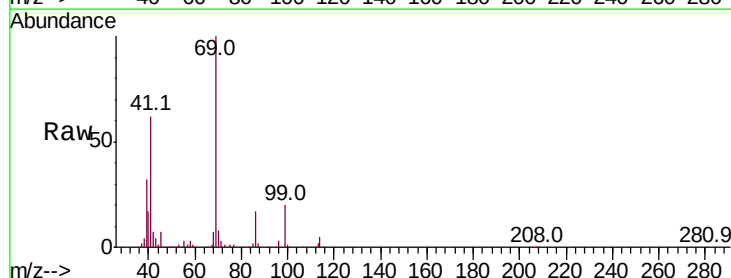
Tgt Ion: 69 Resp: 764973

Ion Ratio Lower Upper

69 100

41 60.6 49.4 74.2

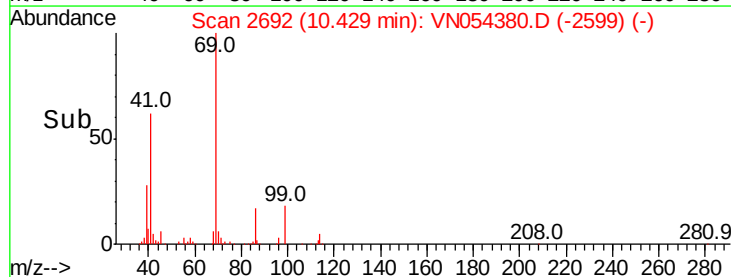
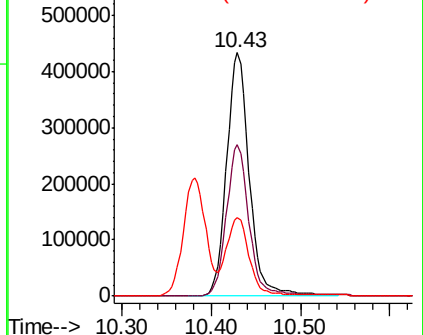
39 31.8 28.3 42.5

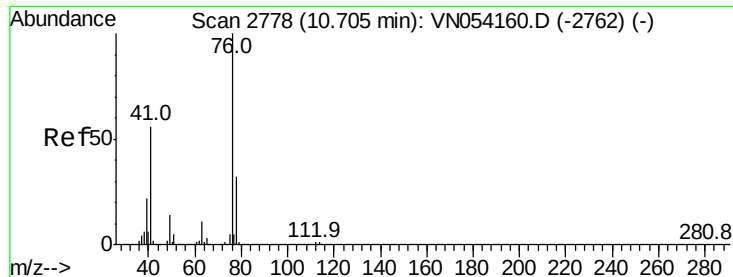


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 53.673 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

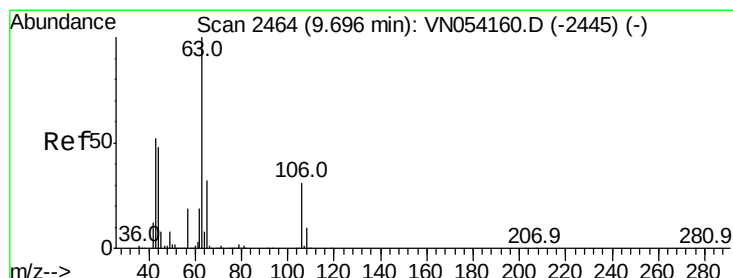
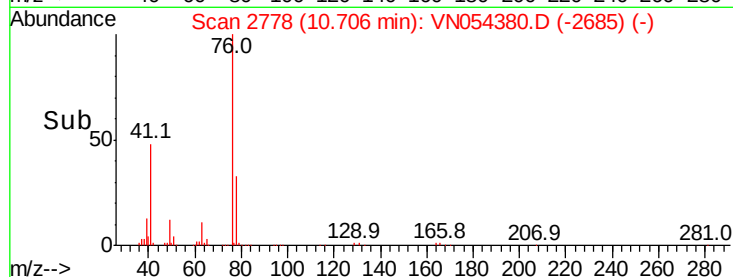
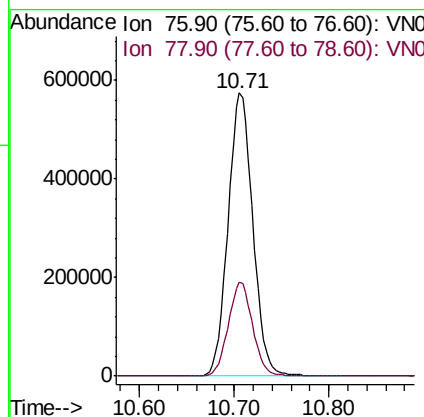
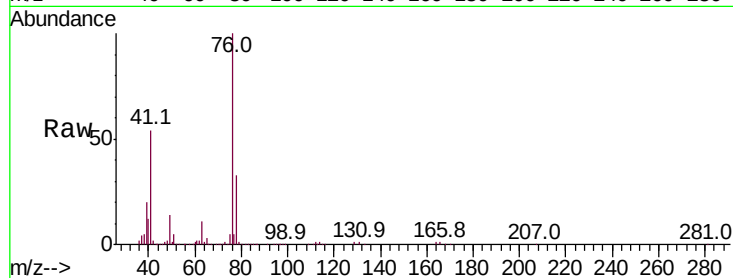
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1046115

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.7	38.5

Manual Integrations
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3/19/2019 9:23:35 AM



#58

2-Chloroethyl Vinyl ether

Concen: 246.044 ug/l

RT: 9.70 min Scan# 2464

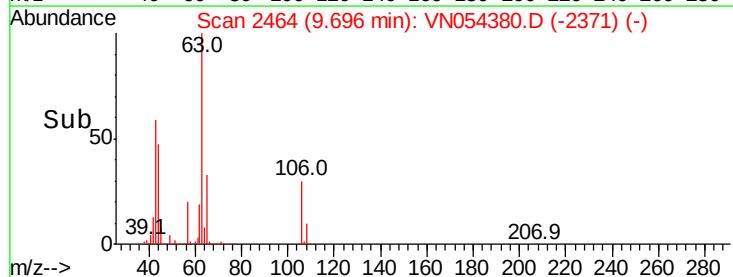
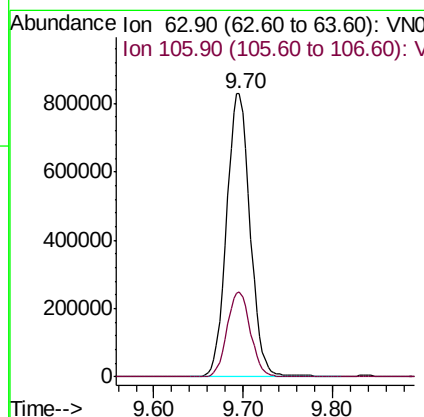
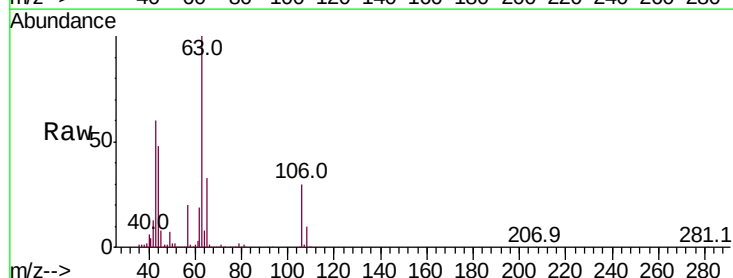
Delta R.T. 0.00 min

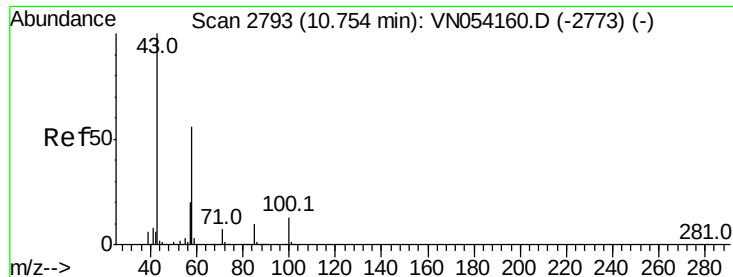
Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Tgt Ion: 63 Resp: 1515386

Ion	Ratio	Lower	Upper
63	100		
106	29.9	24.4	36.6





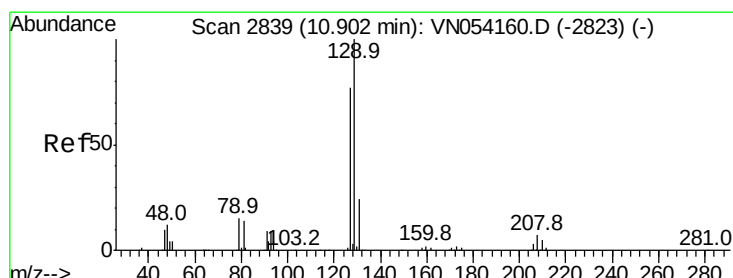
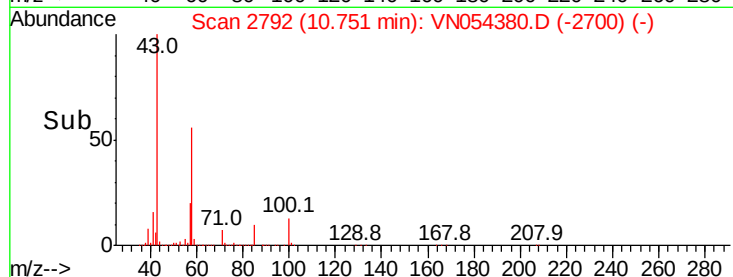
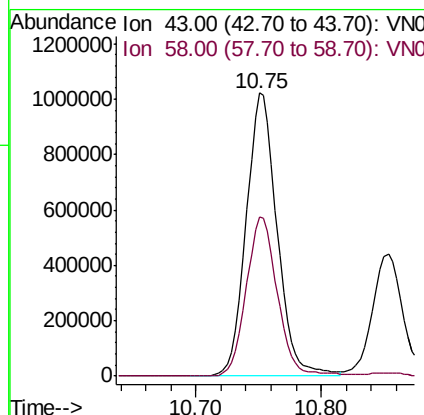
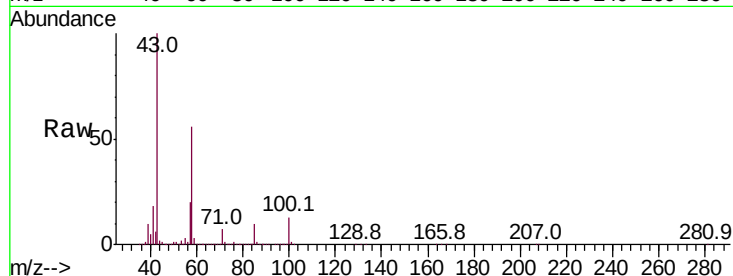
#59
2-Hexanone
Concen: 273.589 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1748139
Ion Ratio Lower Upper
43 100
58 57.3 28.0 83.9

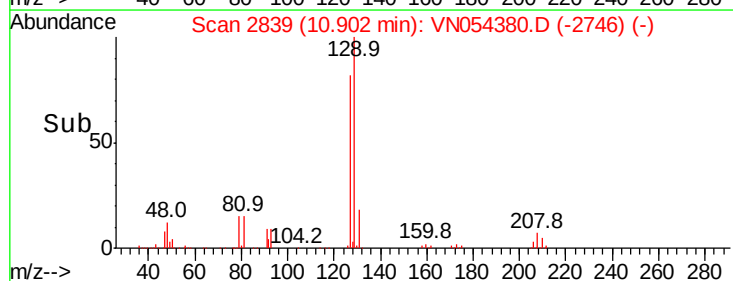
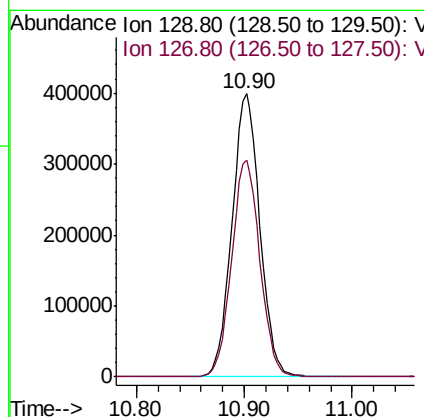
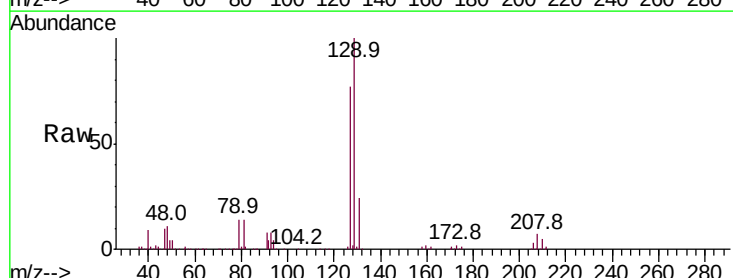
Manual Integrations
APPROVED

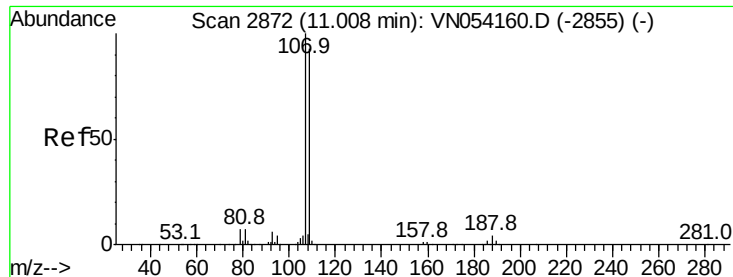
MMDadoda
3/19/2019 9:23:35 AM



#60
Dibromochloromethane
Concen: 53.659 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion: 129 Resp: 719915
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





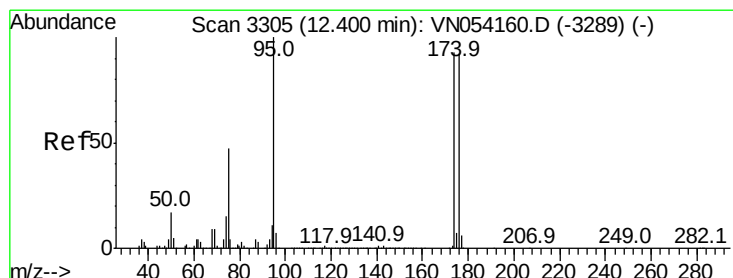
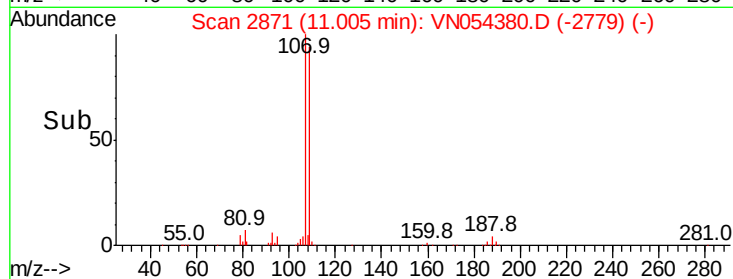
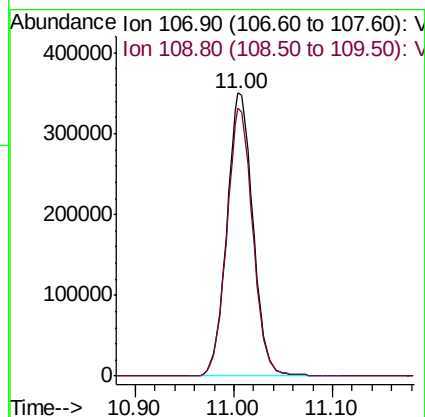
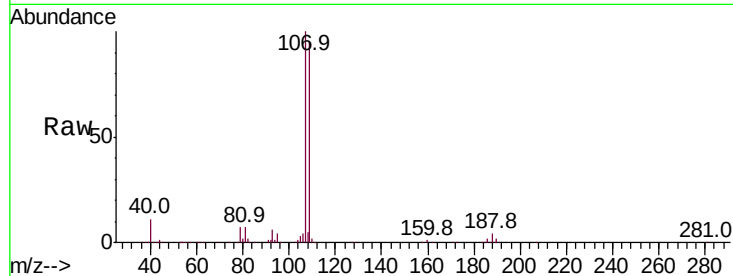
#61
 1,2-Dibromoethane
 Concen: 53.648 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.9	113.9

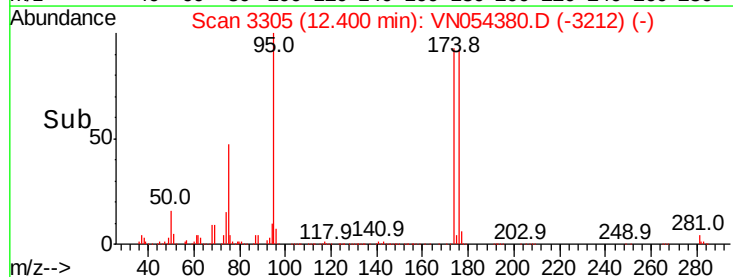
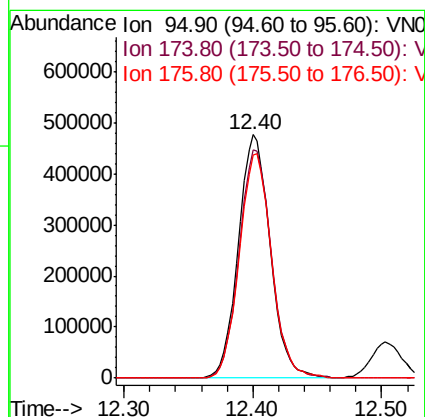
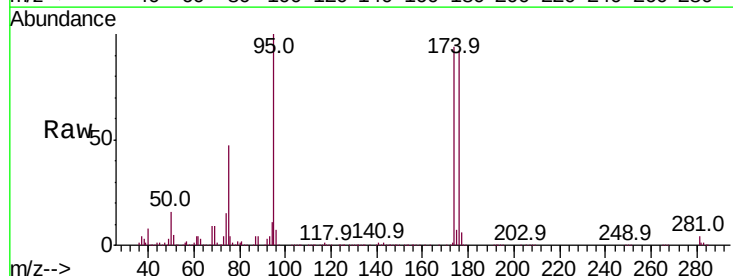
Manual Integrations
 APPROVED

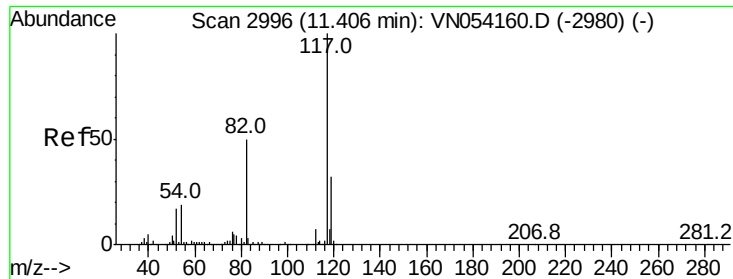
MMDadoda
 3/19/2019 9:23:35 AM



#62
 4-Bromofluorobenzene
 Concen: 50.402 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.2	0.0	191.0
176	93.1	0.0	187.4





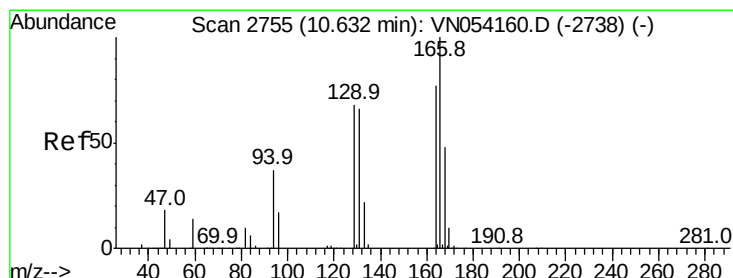
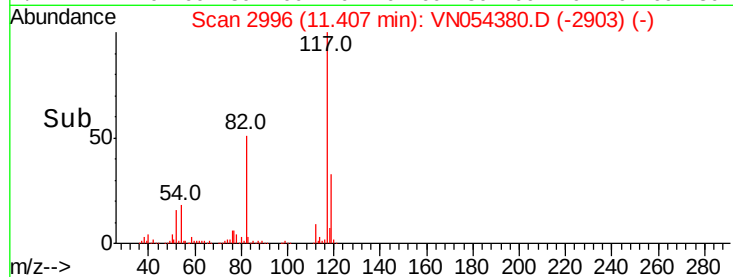
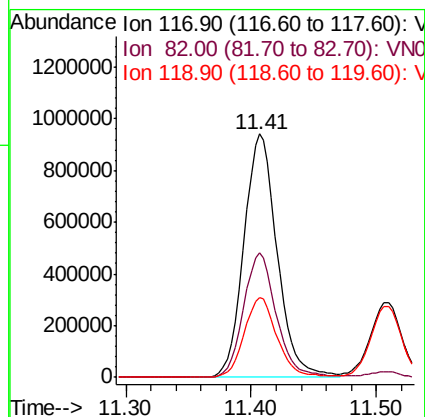
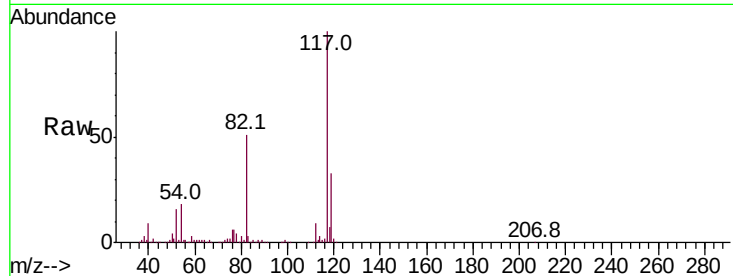
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1738473
Ion Ratio Lower Upper
117 100
82 50.9 40.0 60.0
119 32.8 25.8 38.6

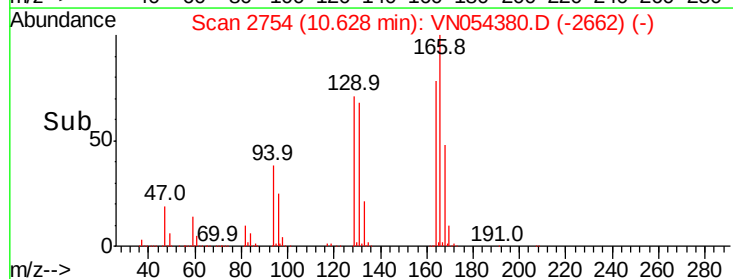
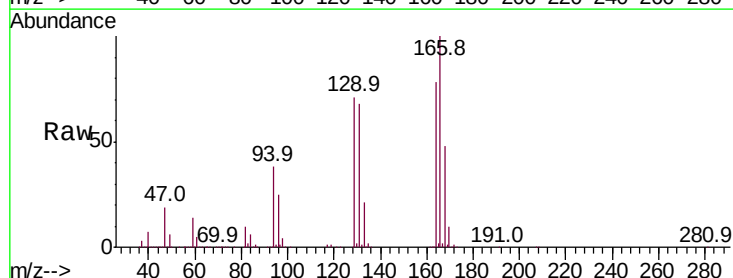
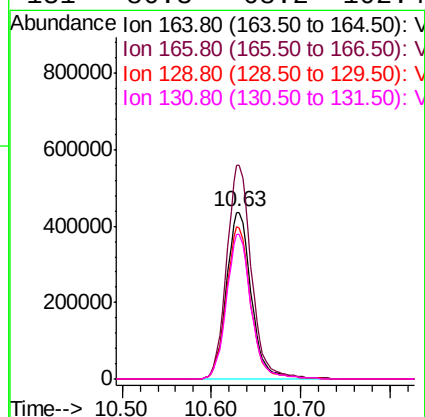
Manual Integrations
APPROVED

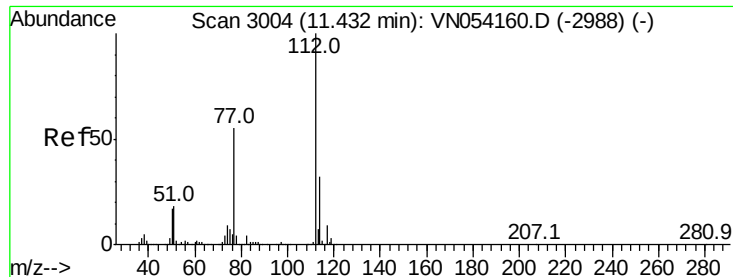
MMDadoda
3/19/2019 9:23:35 AM



#64
Tetrachloroethene
Concen: 50.251 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion:164 Resp: 844646
Ion Ratio Lower Upper
164 100
166 127.8 103.9 155.9
129 91.1 71.1 106.7
131 86.3 68.2 102.4





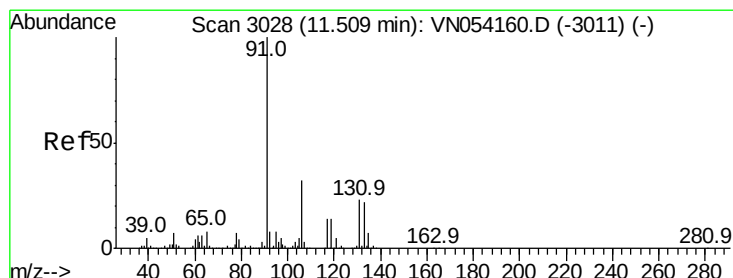
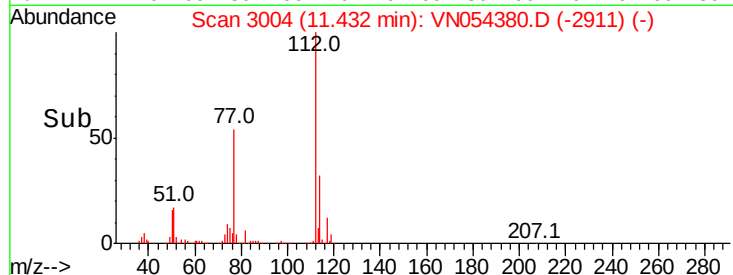
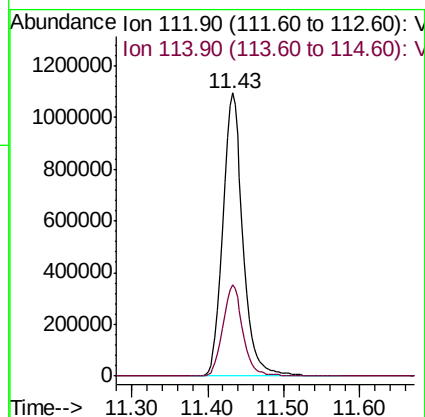
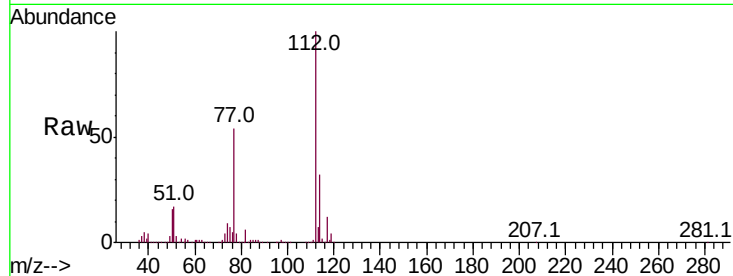
#65
Chlorobenzene
Concen: 52.326 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1997416
Ion Ratio Lower Upper
112 100
114 32.1 25.9 38.9

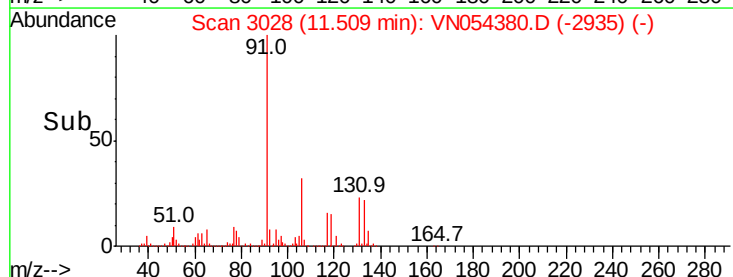
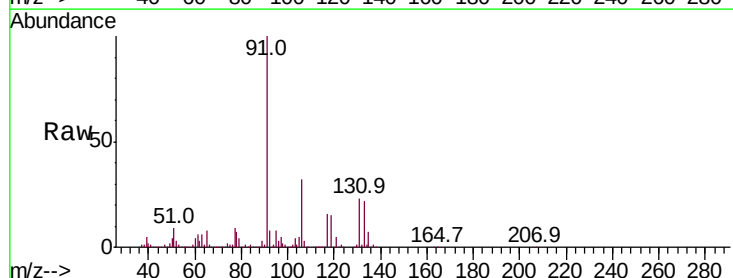
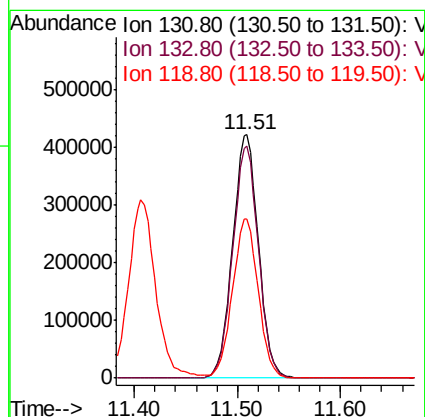
Manual Integrations
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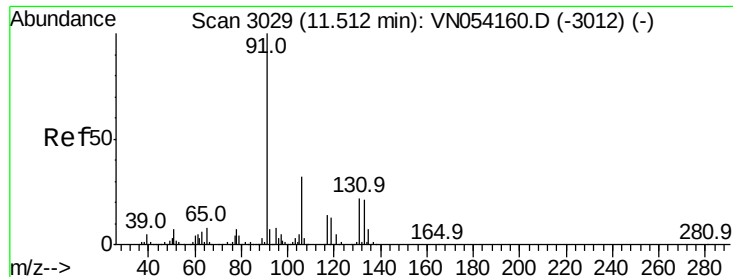
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.131 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion:131 Resp: 736769
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.9
119 65.4 32.4 97.0





#67

Ethyl Benzene

Concen: 52.133 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 3298793

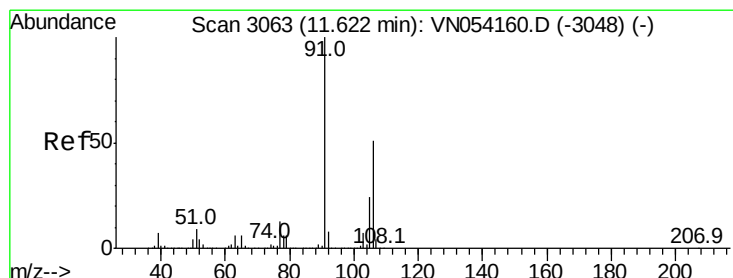
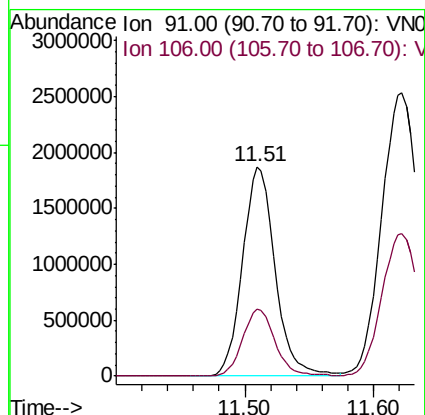
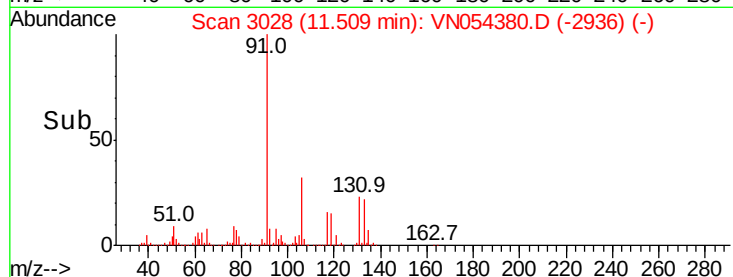
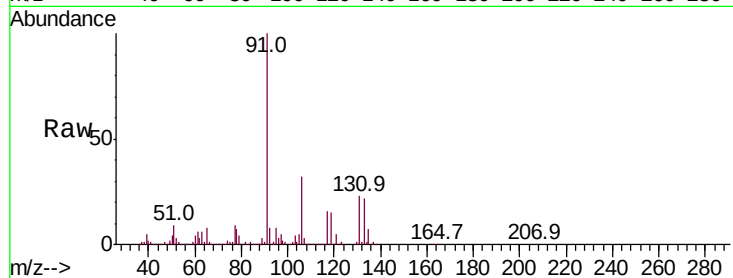
Ion Ratio Lower Upper

91 100

106 32.2 25.5 38.3

Manual Integrations
APPROVED

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3/19/2019 9:23:35 AM



#68

m/p-Xylenes

Concen: 106.104 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054380.D

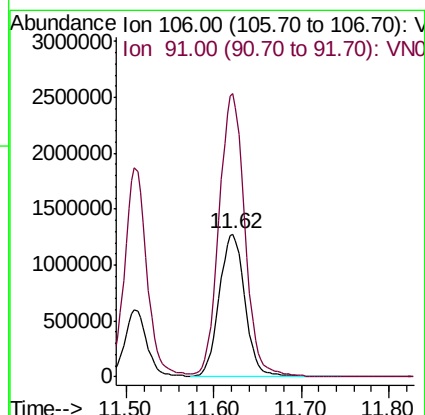
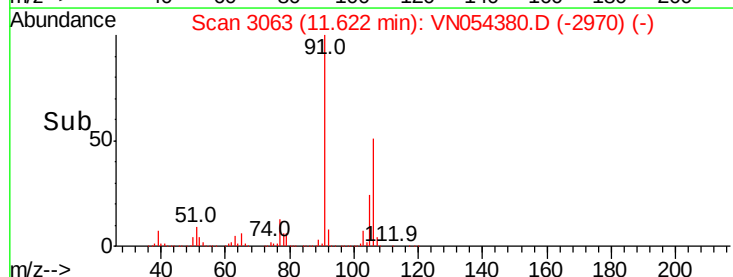
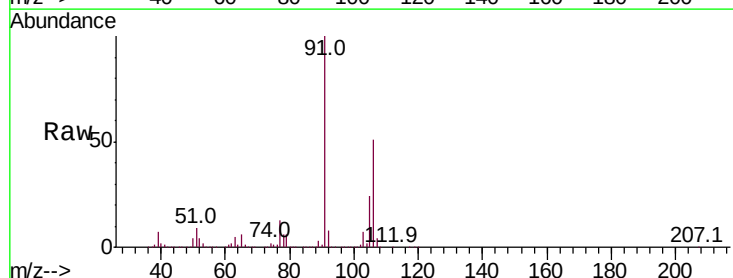
Acq: 18 Mar 2019 8:50

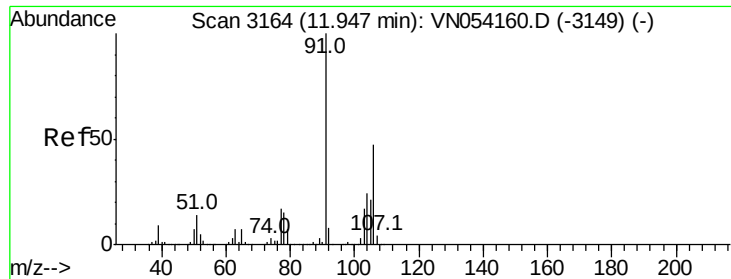
Tgt Ion: 106 Resp: 2624114

Ion Ratio Lower Upper

106 100

91 198.6 159.4 239.2





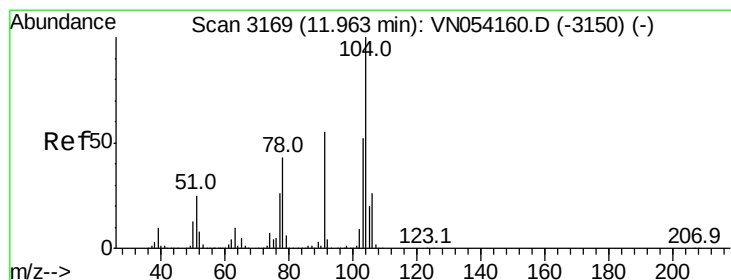
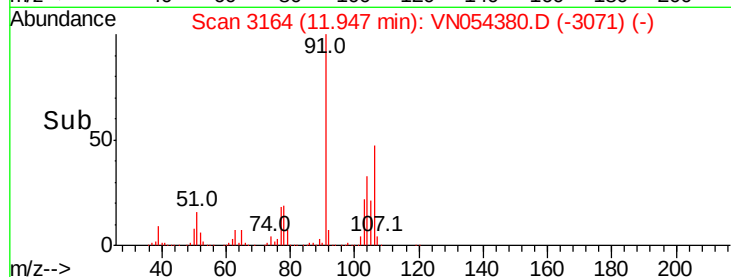
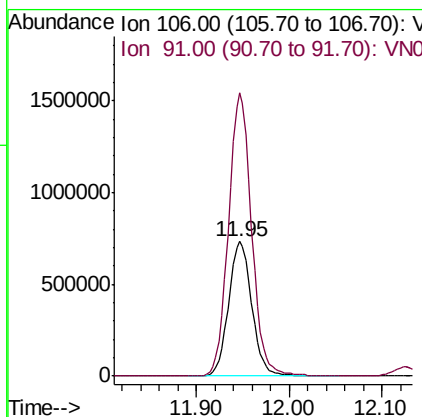
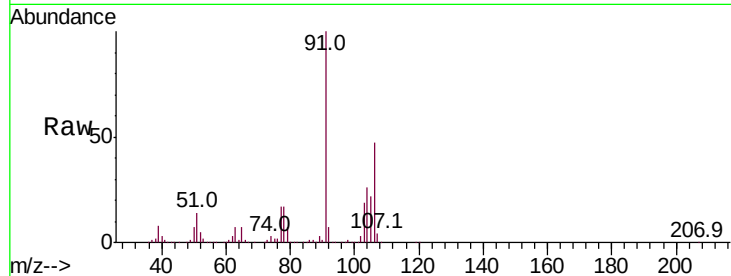
#69
o-Xylene
Concen: 52.752 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1271794
Ion Ratio Lower Upper
106 100
91 208.8 105.7 317.1

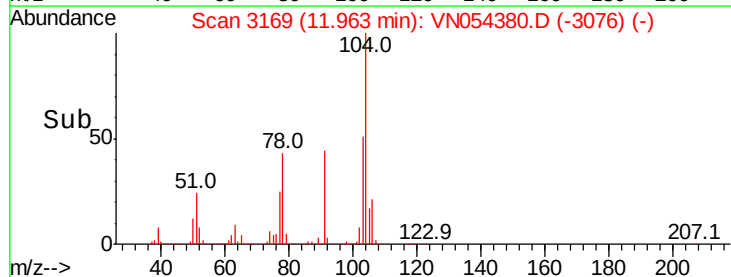
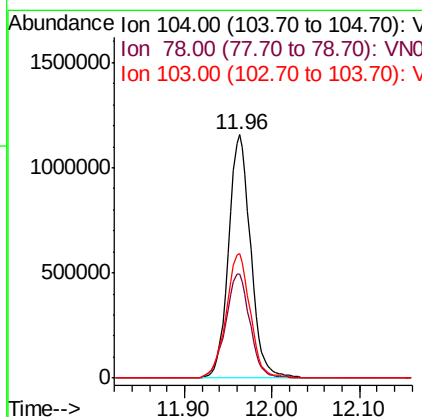
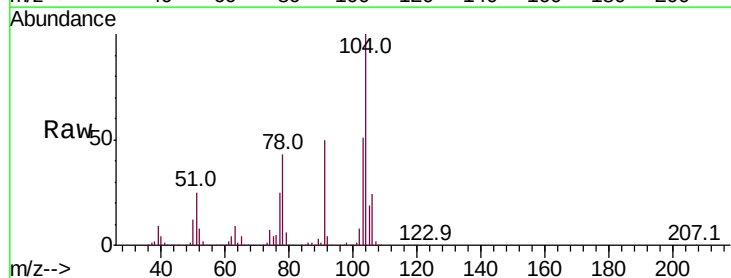
Manual Integrations
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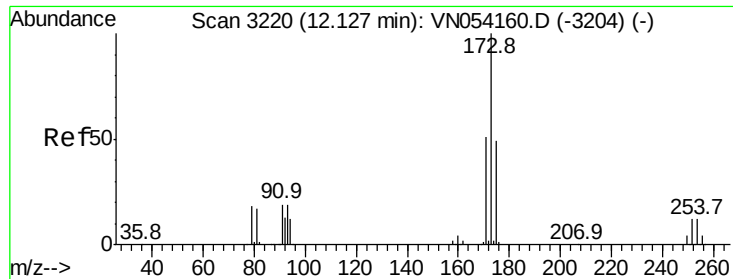
MMDadoda
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#70
Styrene
Concen: 53.699 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion:104 Resp: 2030417
Ion Ratio Lower Upper
104 100
78 47.4 38.2 57.2
103 55.9 44.4 66.6





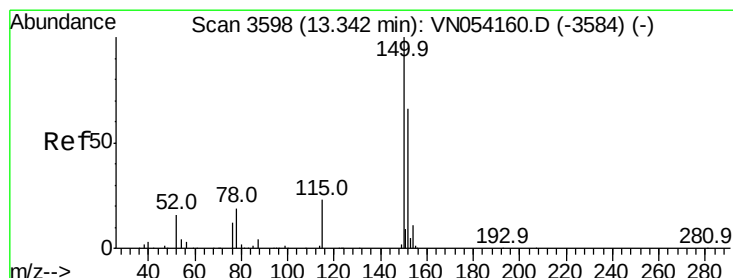
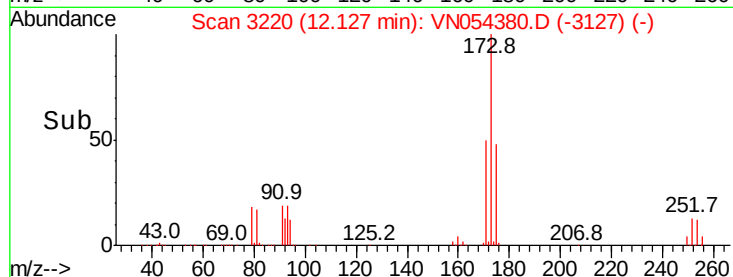
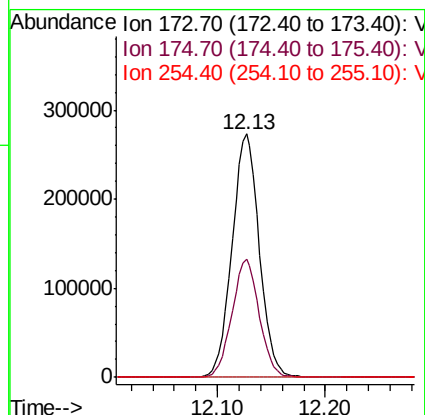
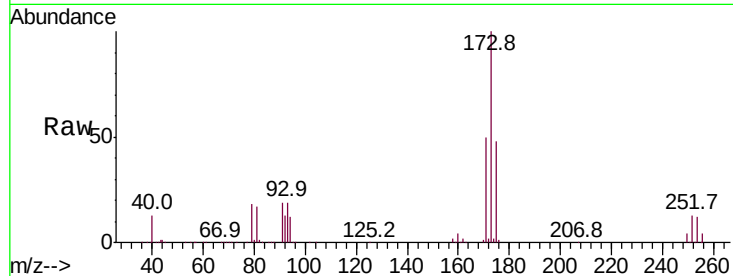
#71
Bromoform
Concen: 45.669 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.2
254	0.1	0.1	0.1#

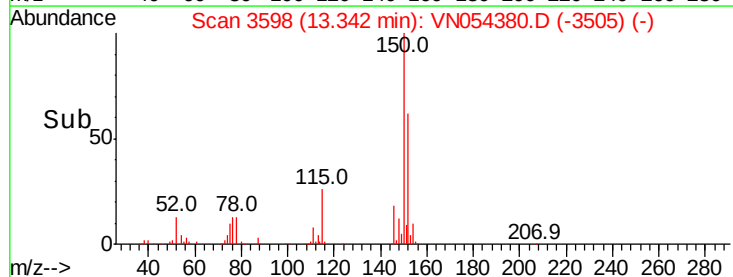
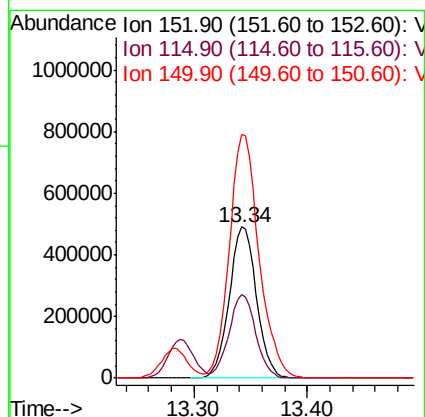
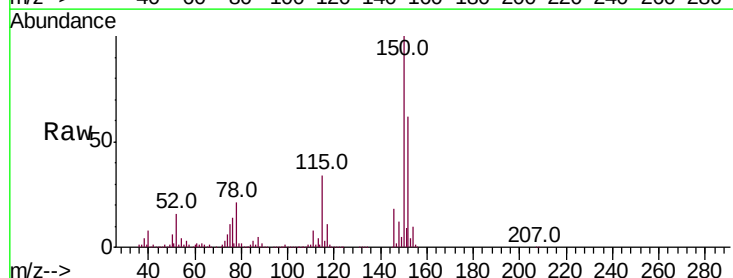
Manual Integrations
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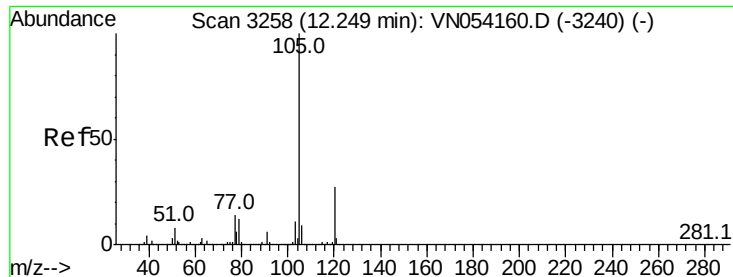
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.2	81.6
150	175.6	0.0	349.2





#73

Isopropylbenzene

Concen: 50.740 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3329228

Ion Ratio Lower Upper

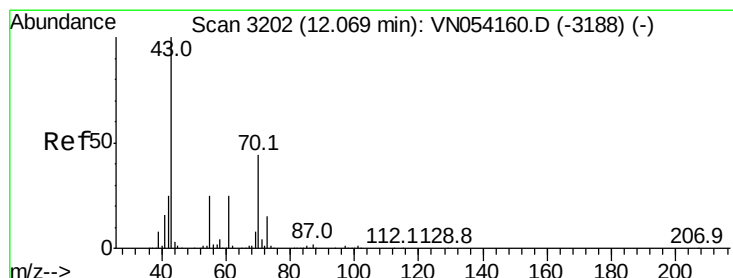
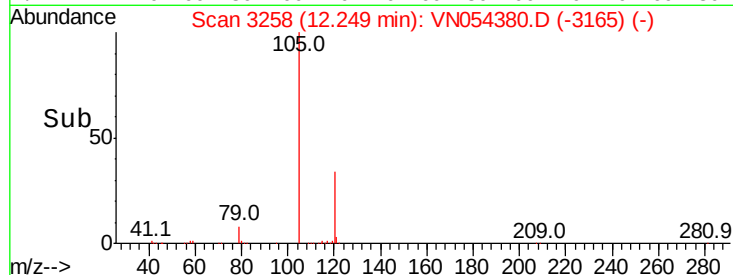
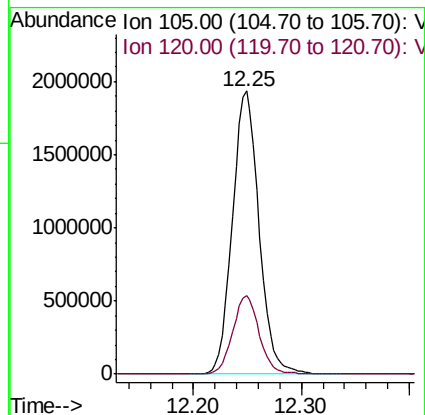
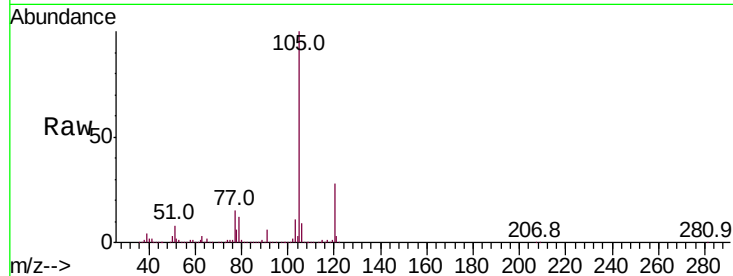
105 100

120 27.5 13.8 41.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 52.383 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Tgt Ion: 43 Resp: 762906

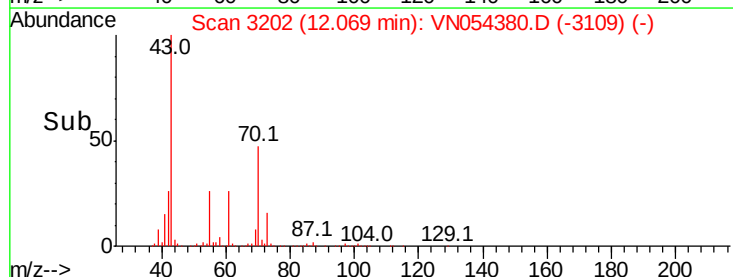
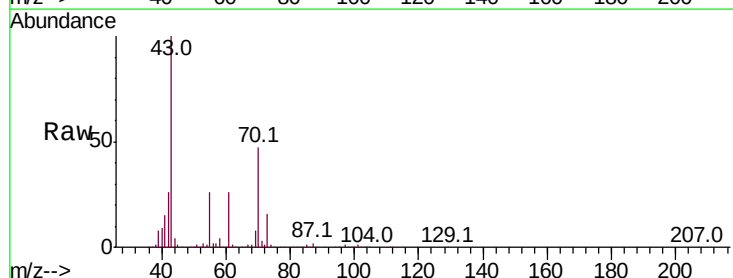
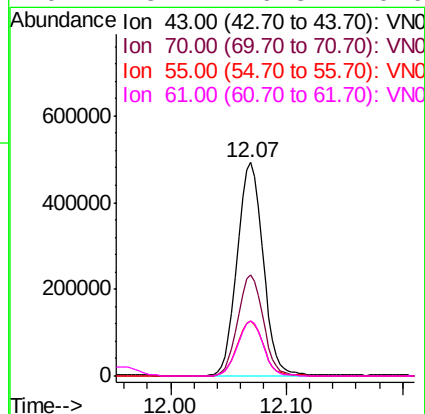
Ion Ratio Lower Upper

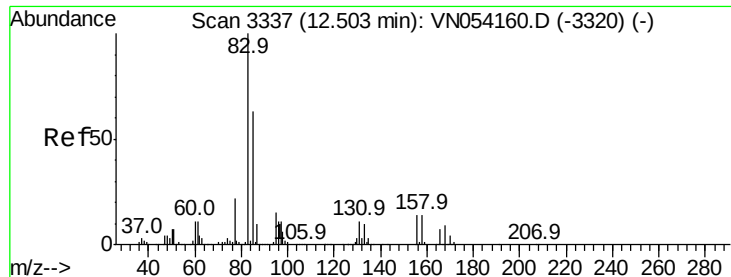
43 100

70 46.6 35.4 53.0

55 25.9 19.8 29.6

61 25.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.991 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 740784
Ion Ratio Lower Upper

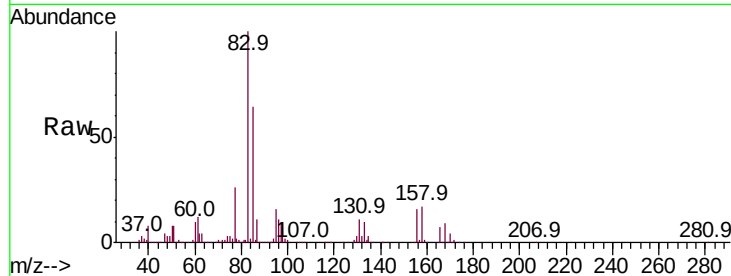
83 100

131 11.6 5.8 17.4

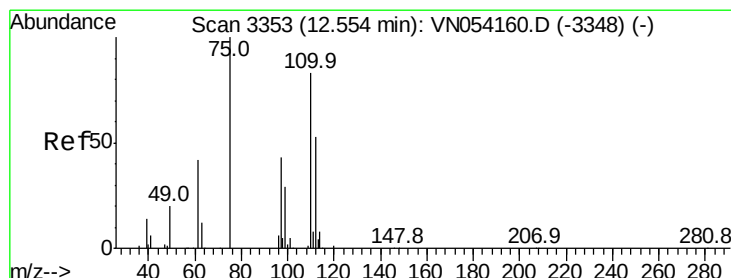
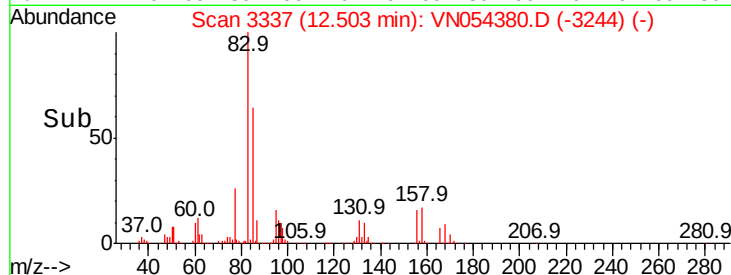
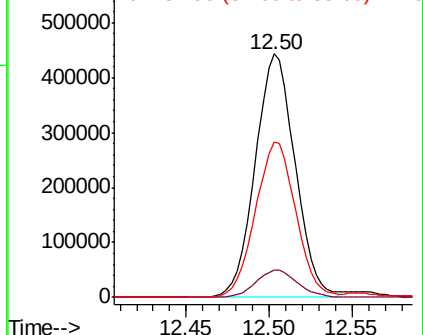
85 64.7 32.2 96.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 50.385 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

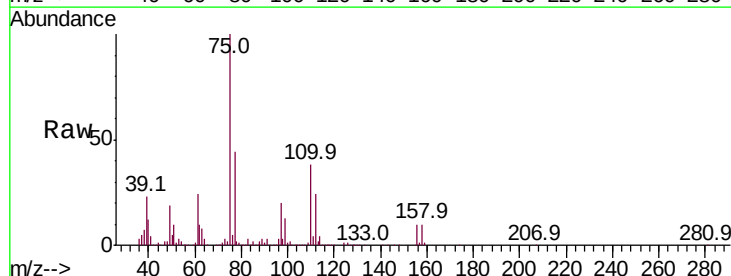
Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

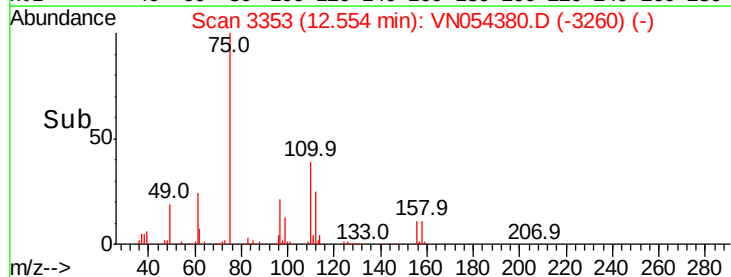
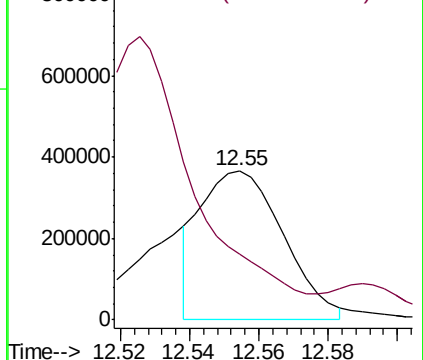
Tgt Ion: 75 Resp: 607637
Ion Ratio Lower Upper

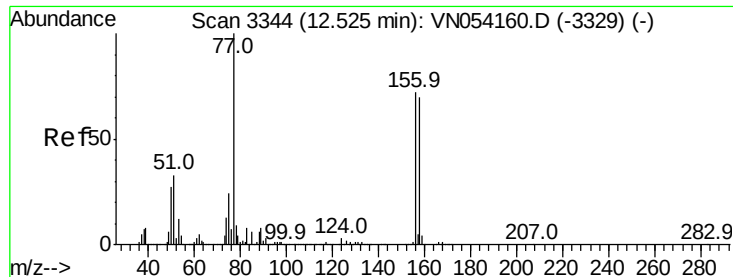
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 50.989 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

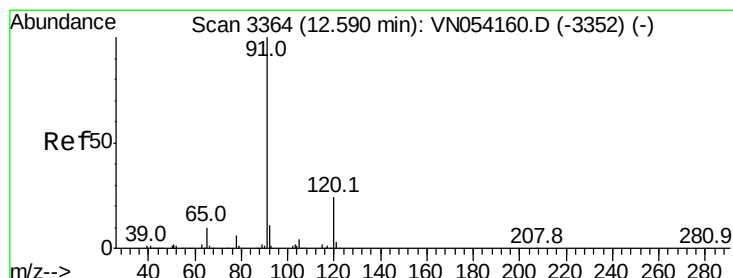
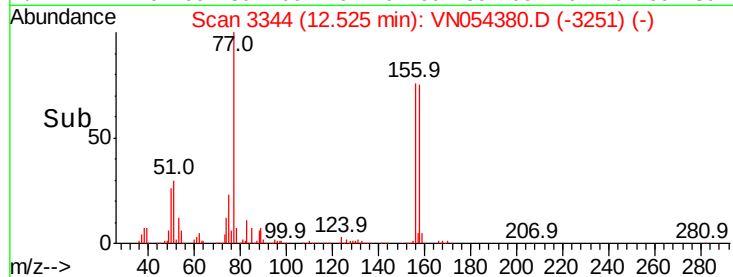
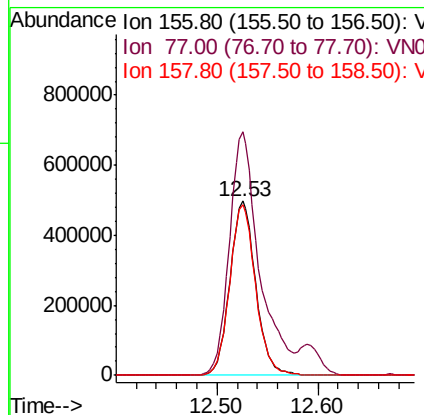
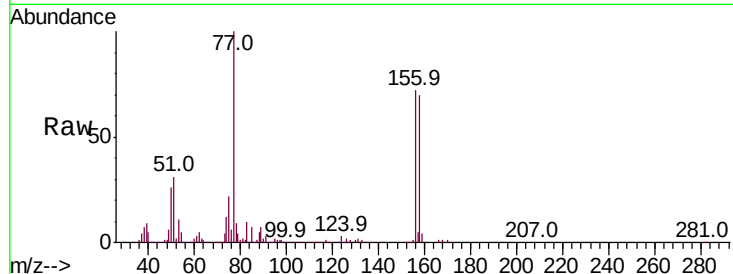
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	885287
Ion Ratio	Lower	Upper	
156	100		
77	163.1	81.5	244.4
158	98.4	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 51.821 ug/l

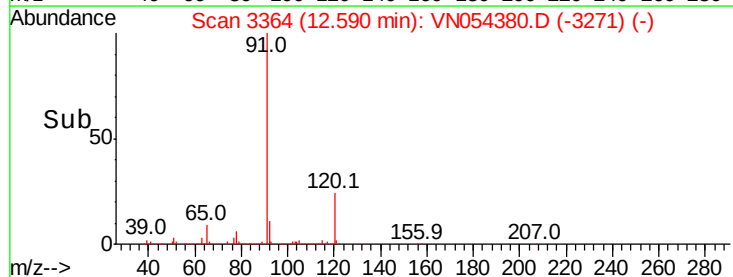
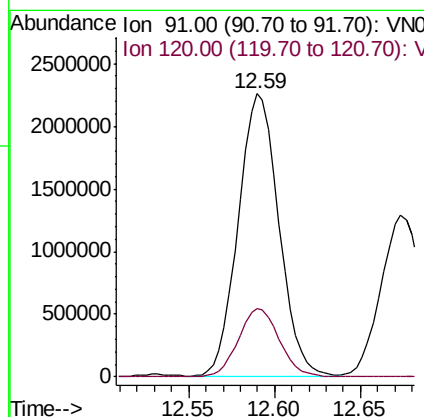
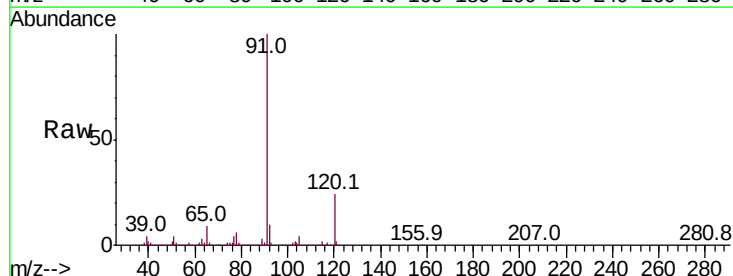
RT: 12.59 min Scan# 3364

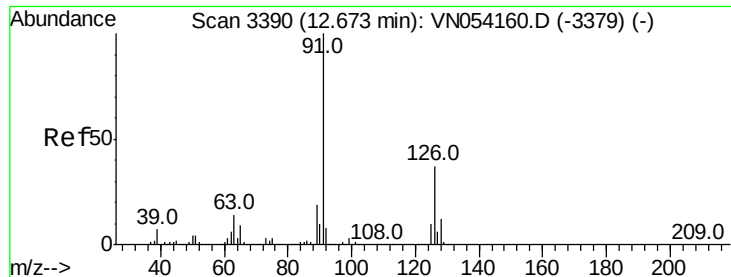
Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Tgt Ion:	91	Resp:	3689387
Ion Ratio	Lower	Upper	
91	100		
120	24.5	12.3	36.9





#79

2-Chlorotoluene

Concen: 51.150 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 2189607

Ion Ratio Lower Upper

91 100

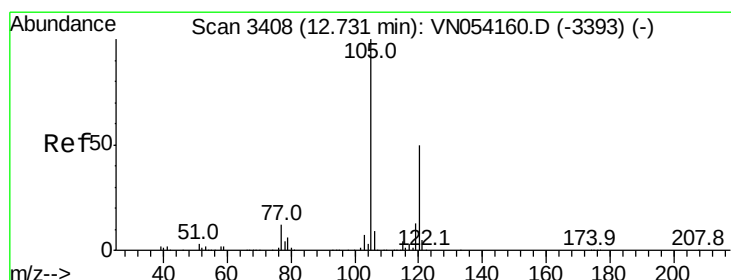
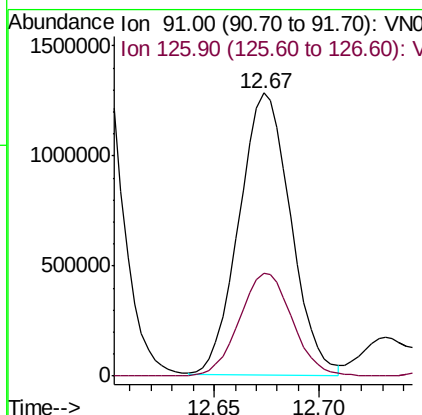
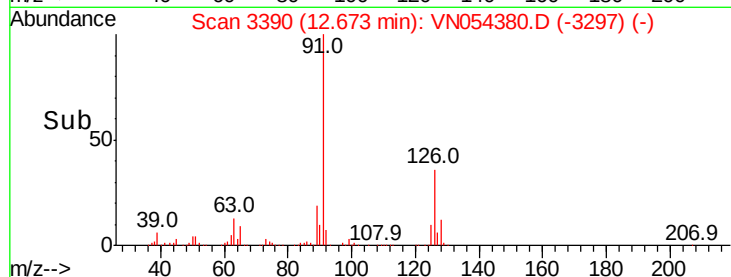
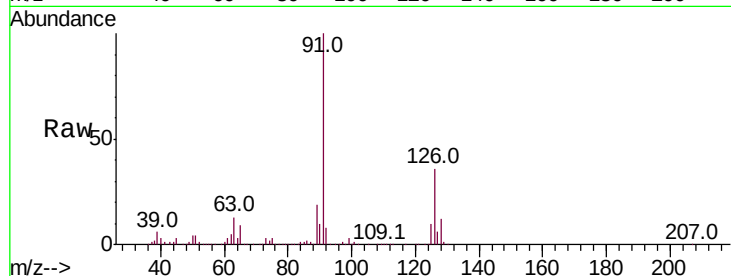
126 37.4 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.878 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054380.D

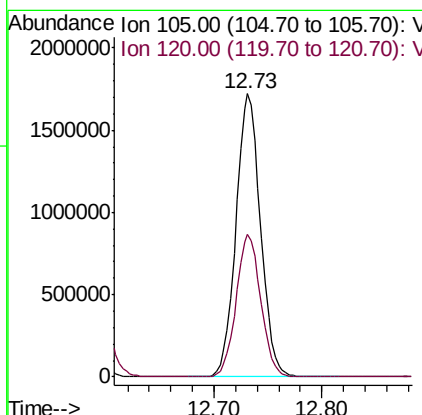
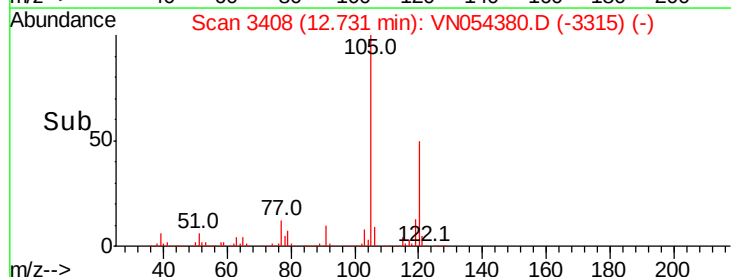
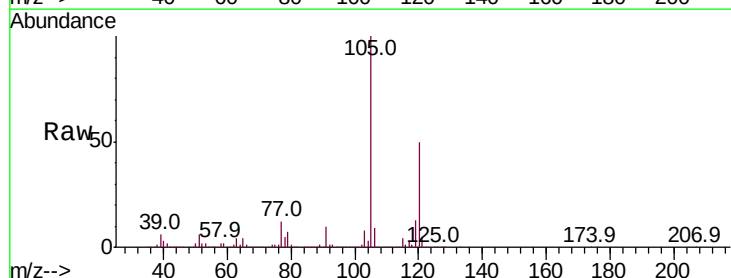
Acq: 18 Mar 2019 8:50

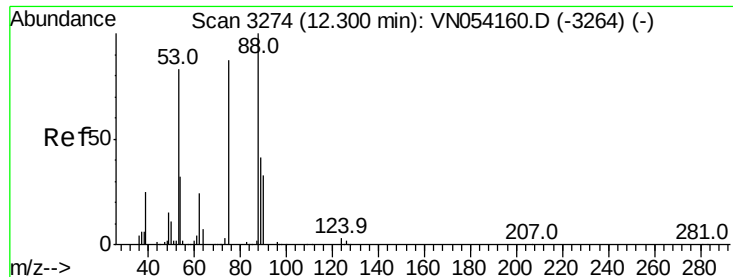
Tgt Ion: 105 Resp: 2722157

Ion Ratio Lower Upper

105 100

120 50.6 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 46.603 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

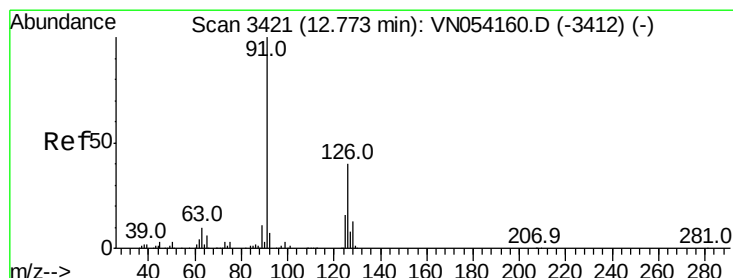
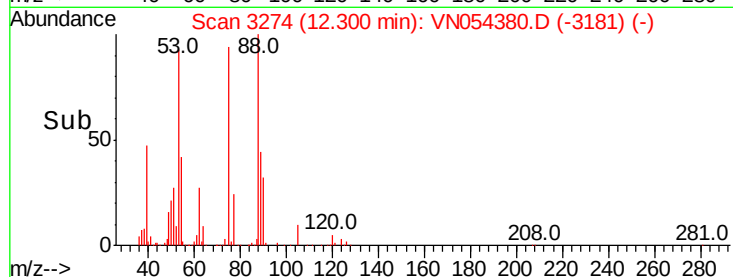
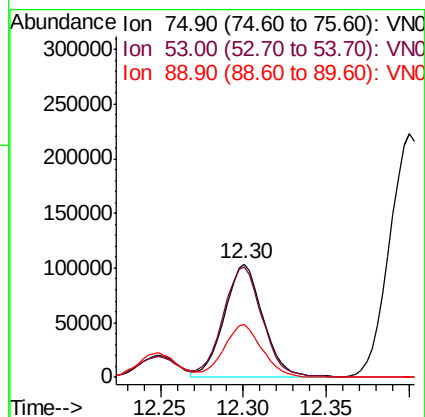
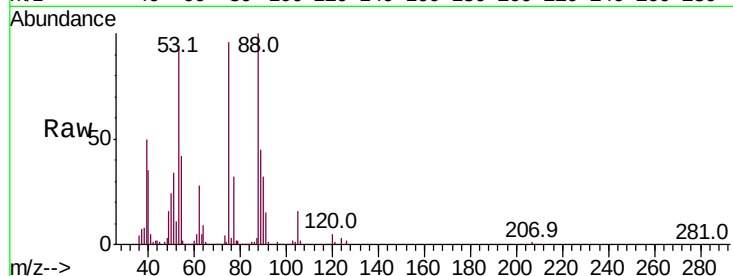
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	164412
Ion Ratio	Lower	Upper	
75	100		
53	101.9	76.2	114.2
89	47.3	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.183 ug/l

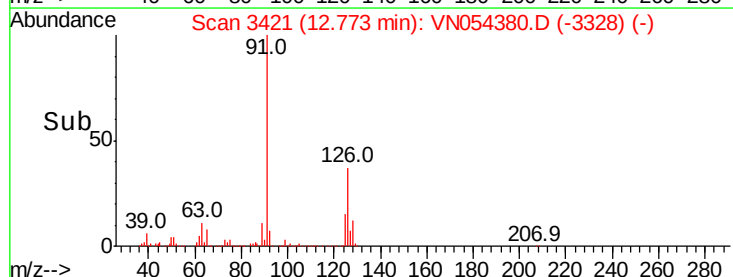
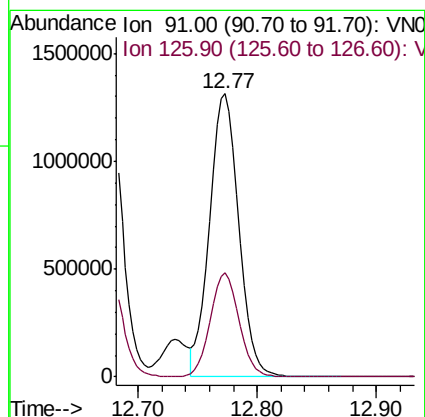
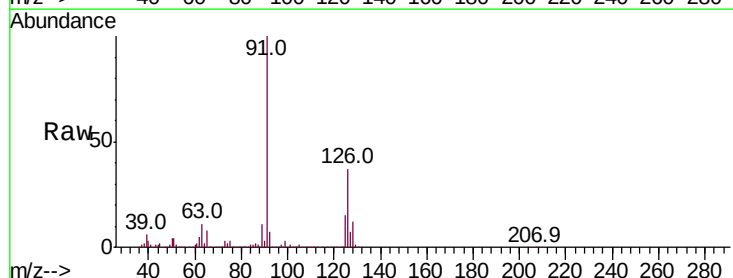
RT: 12.77 min Scan# 3421

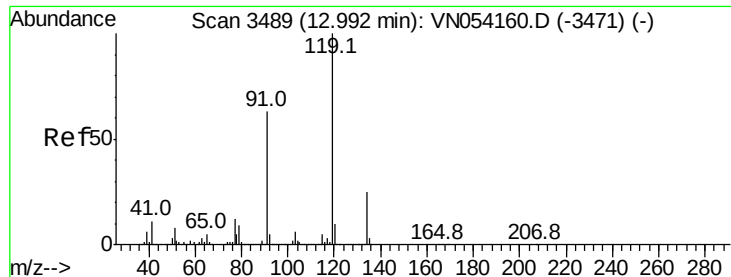
Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Tgt Ion:	91	Resp:	2230514
Ion Ratio	Lower	Upper	
91	100		
126	36.3	18.1	54.1





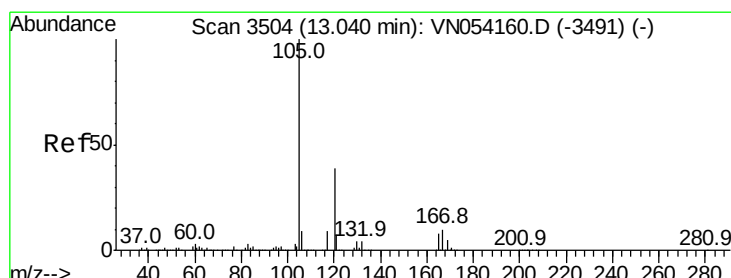
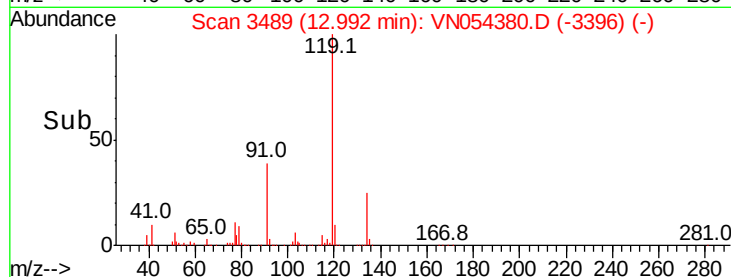
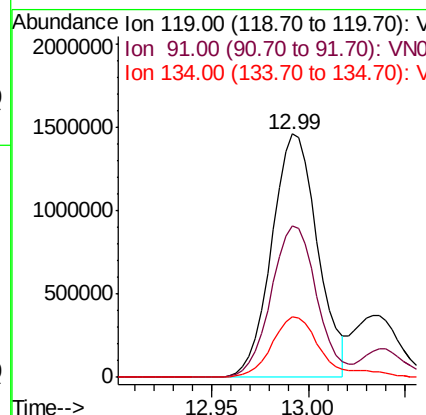
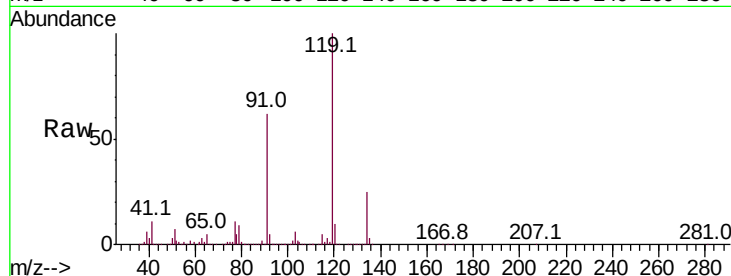
#83
 tert-Butylbenzene
 Concen: 47.900 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	30.9	92.8
134	27.0	13.2	39.6

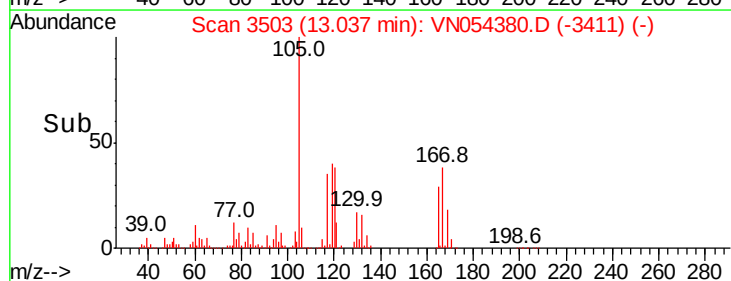
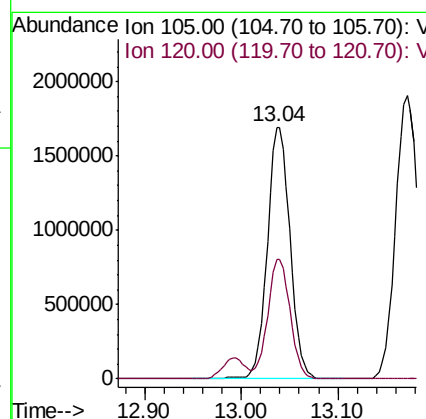
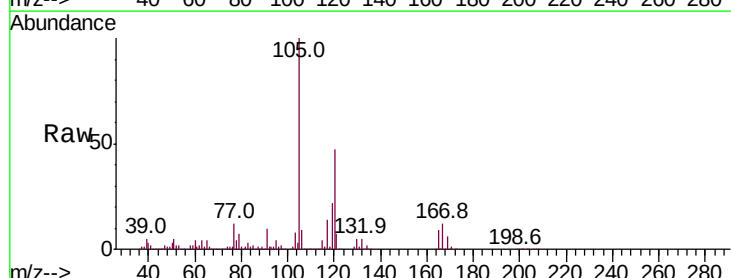
Manual Integrations
 APPROVED

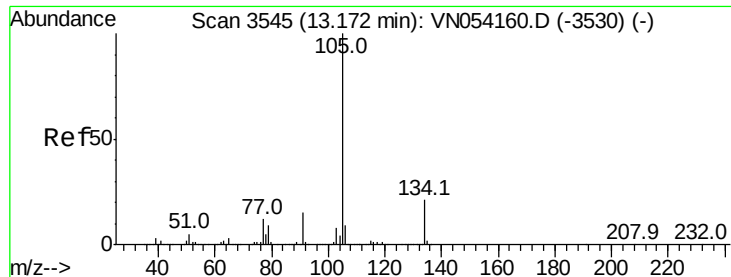
MMDadoda
 3/19/2019 9:23:35 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.418 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.4	70.3





#85

sec-Butylbenzene

Concen: 47.888 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3119771

Ion Ratio Lower Upper

105 100

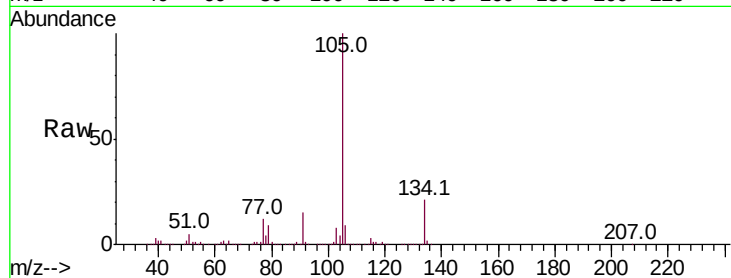
134 21.3 10.7 32.1

Manual Integrations

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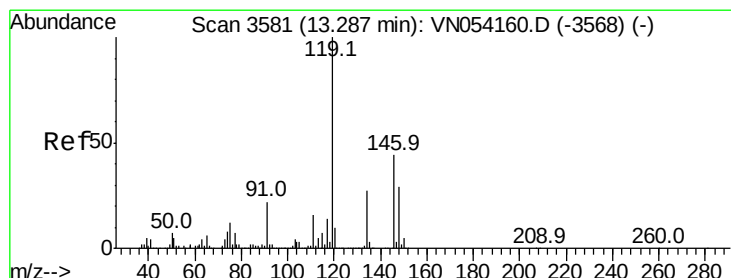
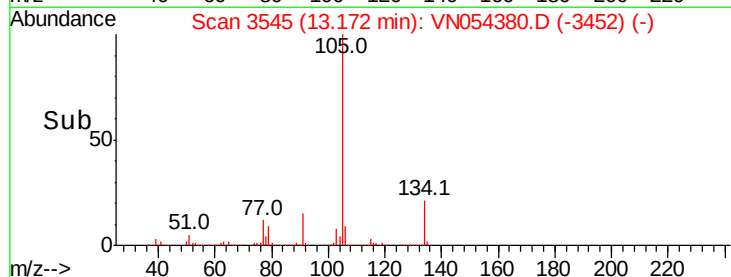
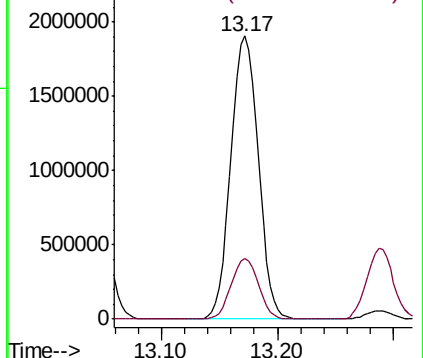
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.747 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

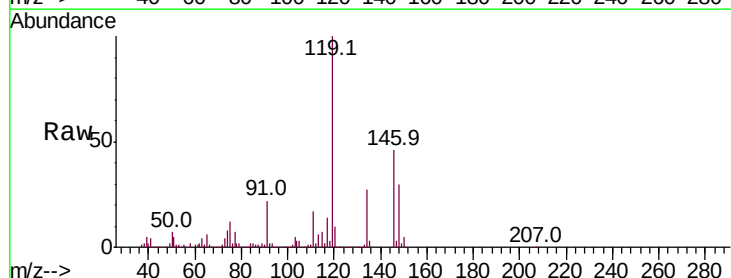
Tgt Ion:119 Resp: 2786054

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

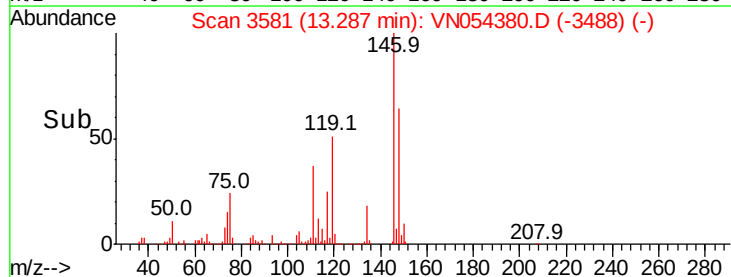
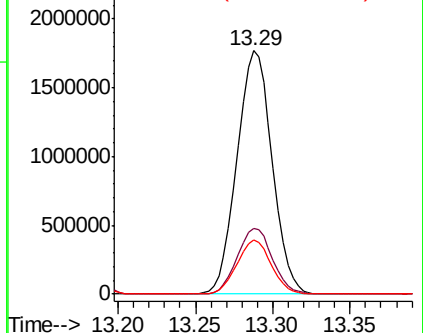
91 21.7 11.1 33.3

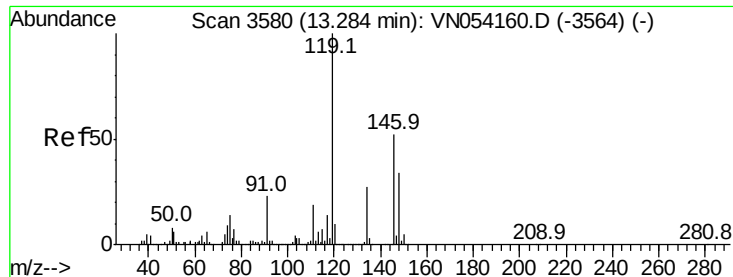


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.379 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1532391

Ion Ratio Lower Upper

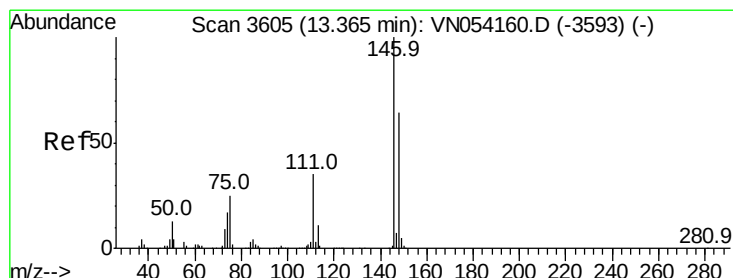
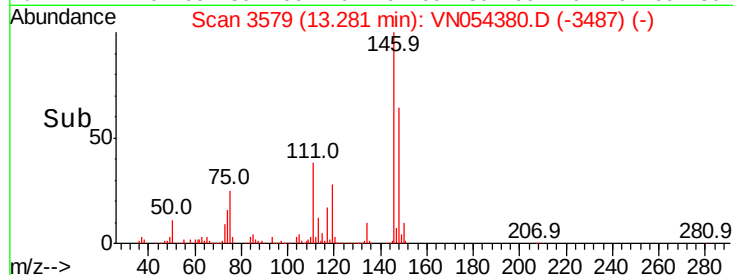
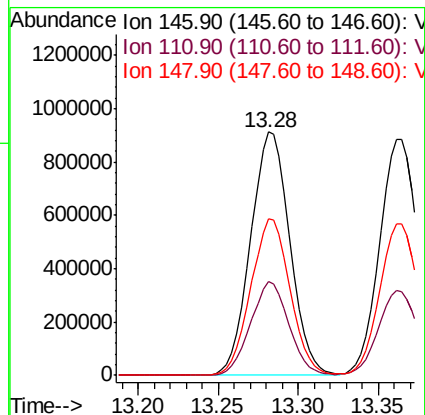
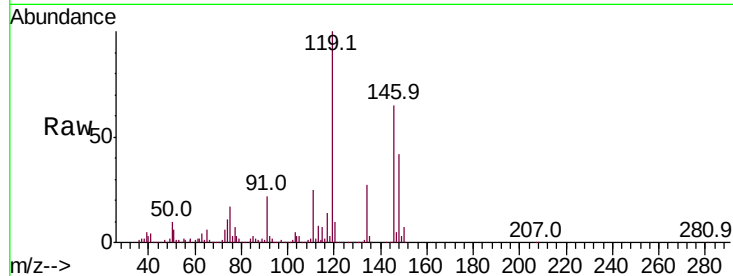
146 100

111 37.6 18.8 56.3

148 64.3 32.2 96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.067 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054380.D

Acq: 18 Mar 2019 8:50

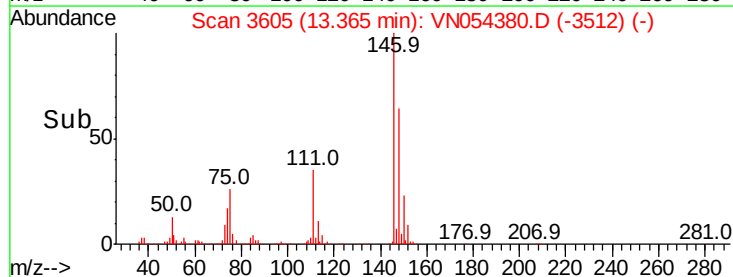
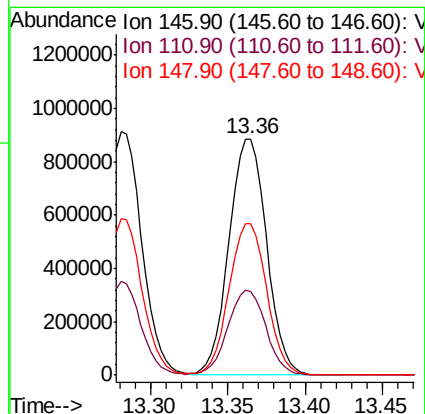
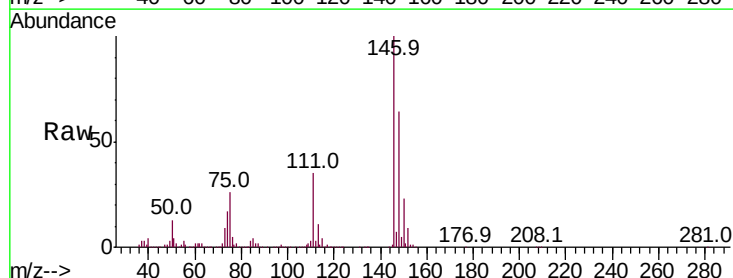
Tgt Ion:146 Resp: 1496399

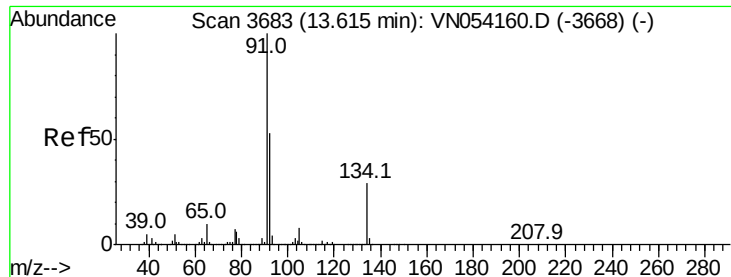
Ion Ratio Lower Upper

146 100

111 36.2 18.1 54.1

148 64.4 32.0 96.0





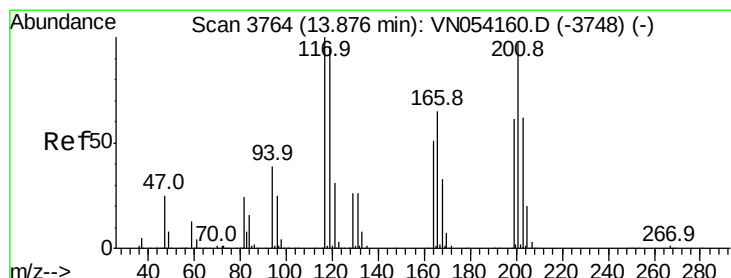
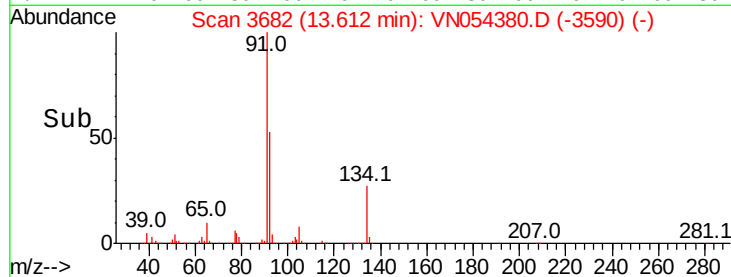
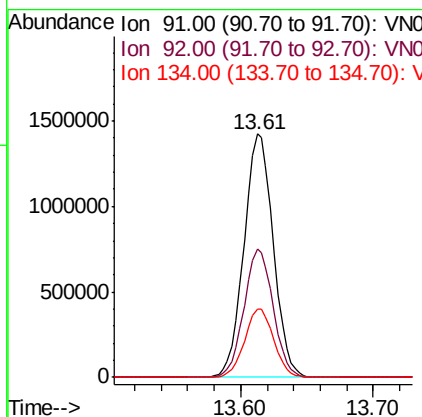
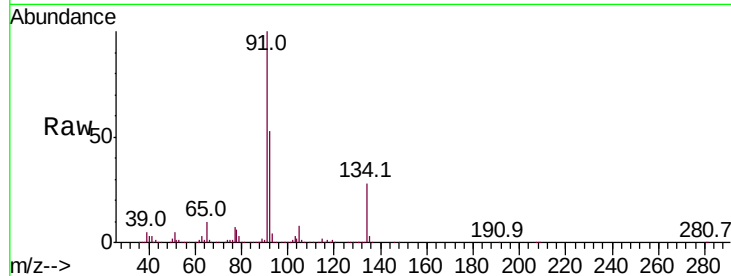
#89
n-Butylbenzene
Concen: 50.176 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2178962
Ion Ratio Lower Upper
91 100
92 52.6 26.2 78.6
134 27.9 14.3 42.9

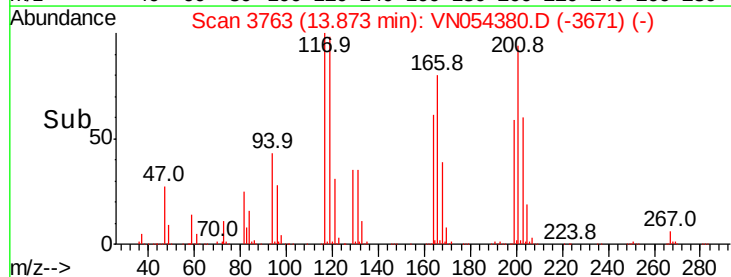
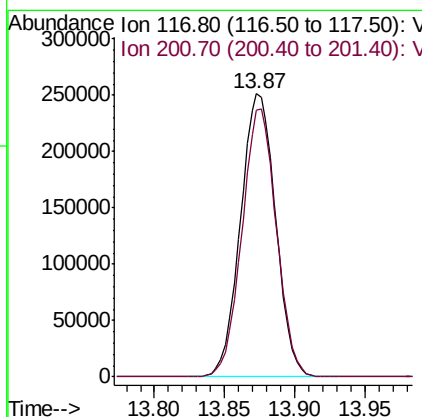
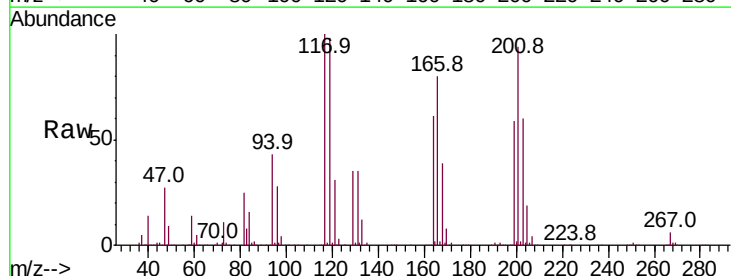
Manual Integrations
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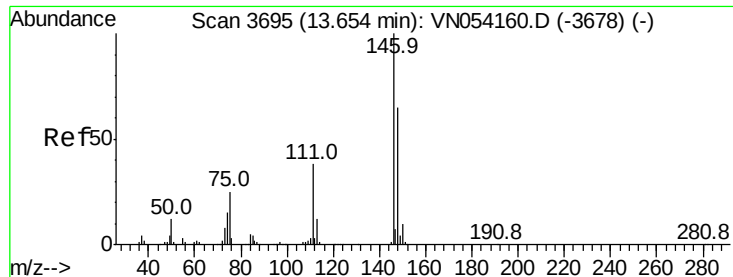
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#90
Hexachloroethane
Concen: 46.313 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion: 117 Resp: 438299
Ion Ratio Lower Upper
117 100
201 92.9 48.1 144.4





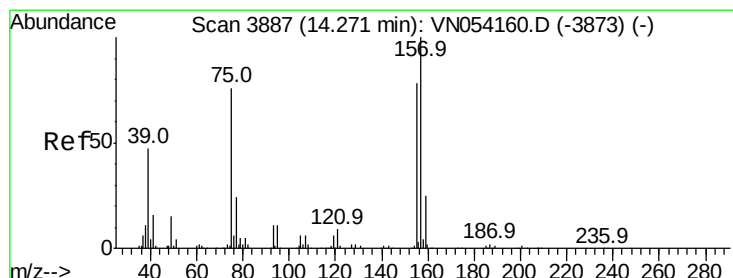
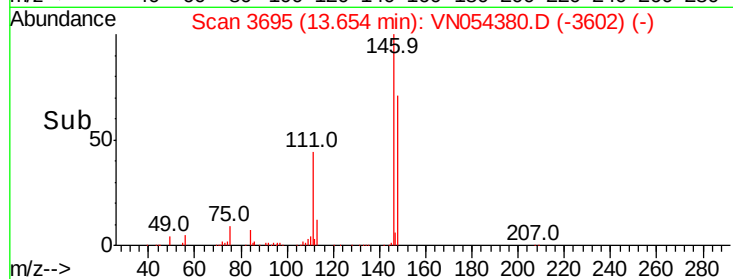
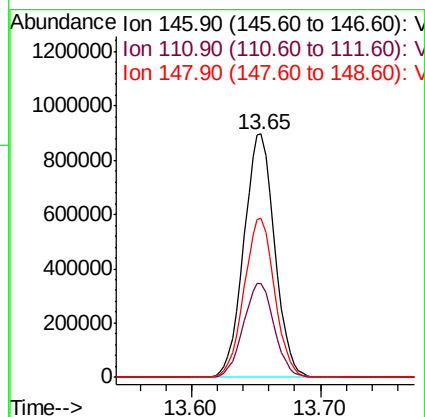
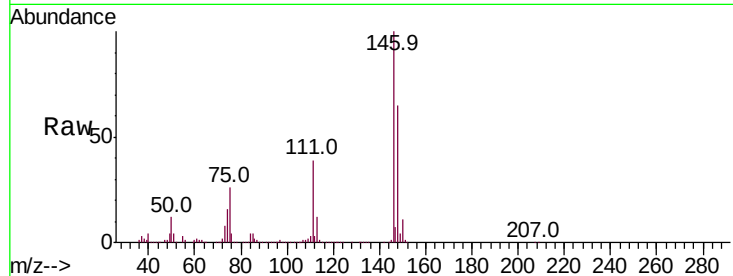
#91
 1,2-Dichlorobenzene
 Concen: 52.035 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.3
148	64.9	32.4	97.0

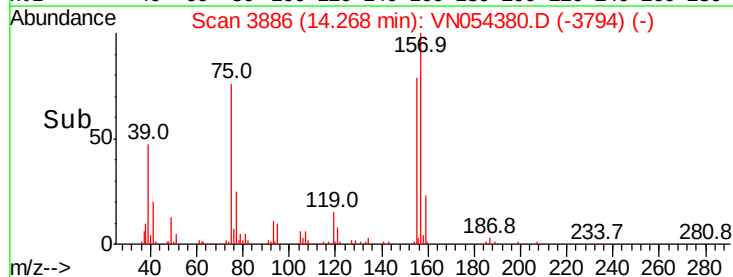
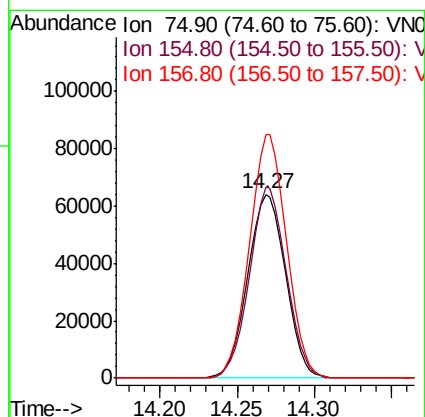
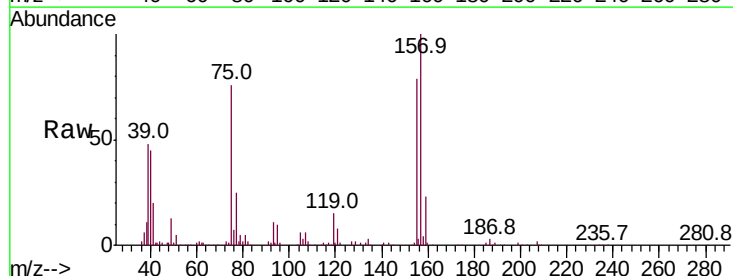
Manual Integrations
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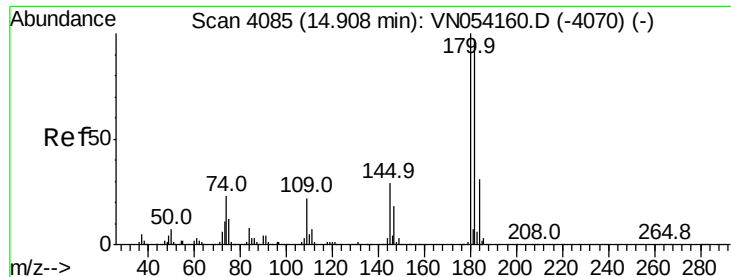
MMDadoda
 3/19/2019 9:23:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.552 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.8	50.1	150.3
157	129.6	63.1	189.3





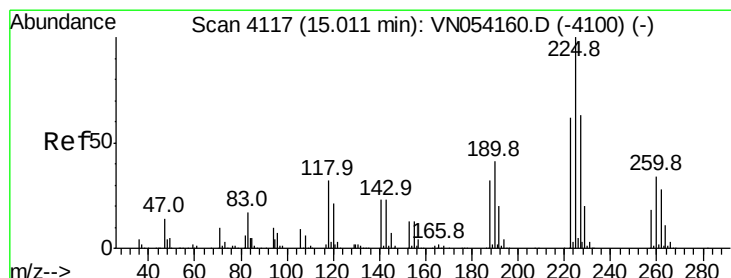
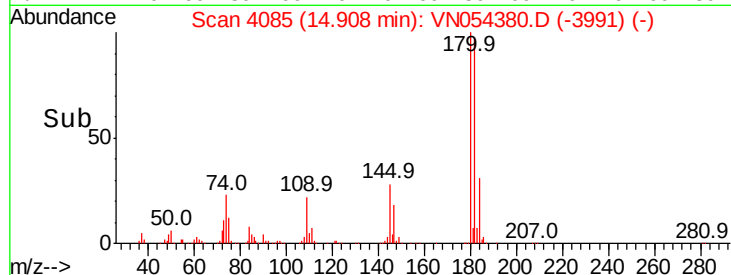
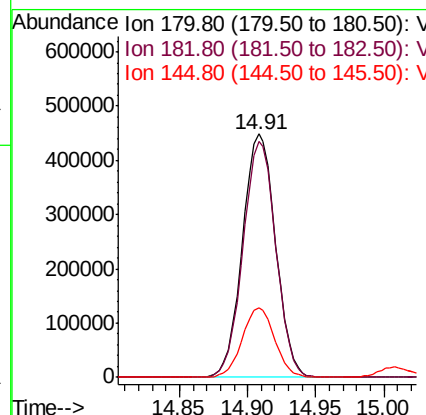
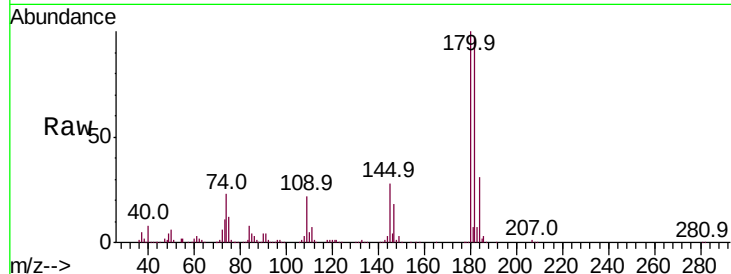
#93
 1,2,4-Trichlorobenzene
 Concen: 44.108 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.9	48.0	144.2
145	28.0	14.2	42.8

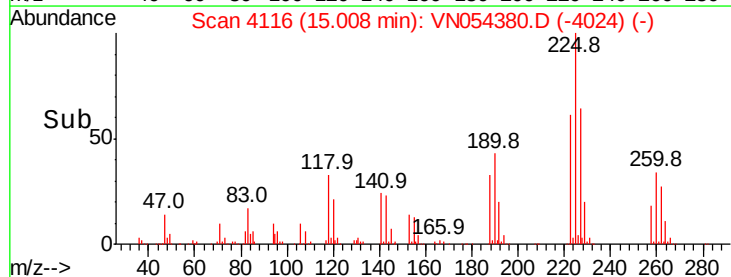
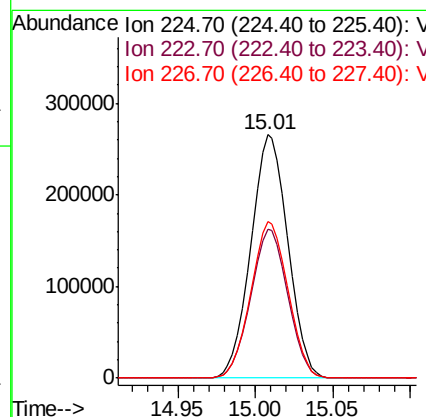
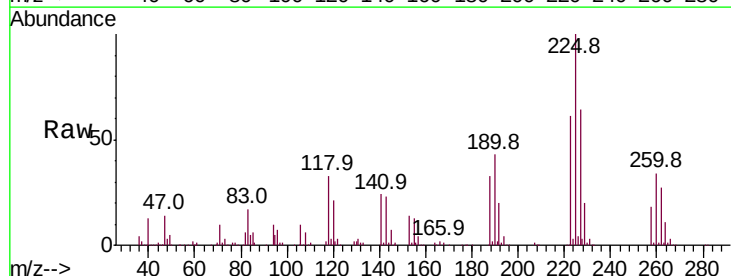
Manual Integrations
 APPROVED

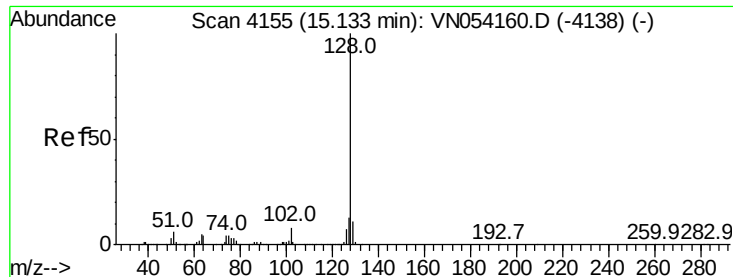
MMDadoda
 3/19/2019 9:23:35 AM



#94
 Hexachlorobutadiene
 Concen: 40.622 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054380.D
 Acq: 18 Mar 2019 8:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	61.3	31.1	93.5
227	64.5	31.9	95.9





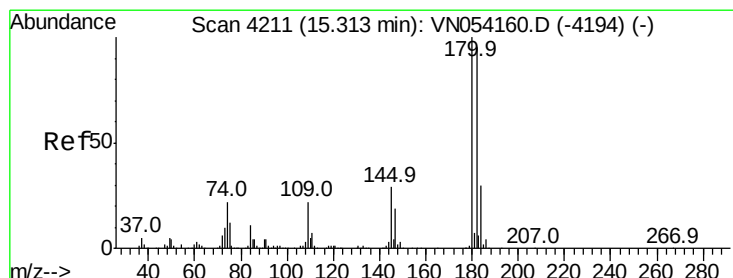
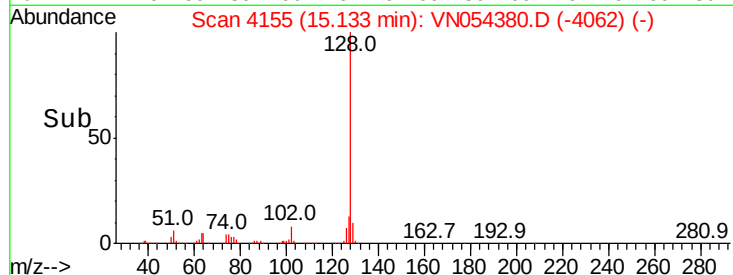
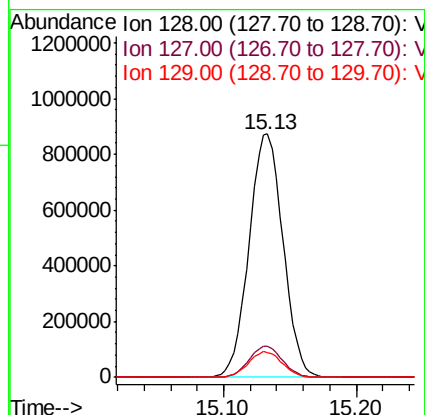
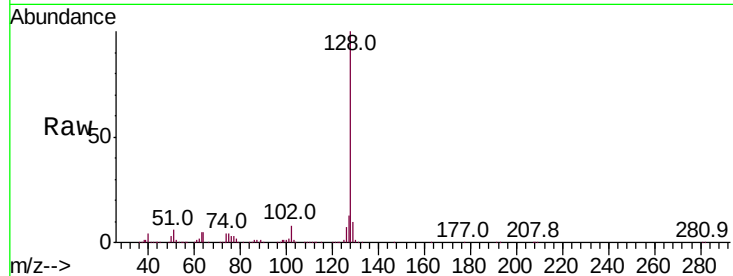
#95
Naphthalene
Concen: 43.604 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/19/2019 9:23:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.089 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054380.D
Acq: 18 Mar 2019 8:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.6
145	29.5	14.8	44.3

