

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054355.D
 Acq On : 17 Mar 2019 00:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/18/2019 11:28:39 AM

Quant Time: Mar 18 07:55:01 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	1197010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1856508	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1647736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	785160	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	663087	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
35) Dibromofluoromethane	7.59	113	615648	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
50) Toluene-d8	10.09	98	2206483	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
62) 4-Bromofluorobenzene	12.40	95	772161	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	576618	50.827	ug/l	98
3) Chloromethane	2.06	50	563362	51.123	ug/l	99
4) Vinyl Chloride	2.18	62	622206	49.400	ug/l	98
5) Bromomethane	2.57	94	399352	45.779	ug/l	99
6) Chloroethane	2.71	64	380202	49.890	ug/l	99
7) Trichlorofluoromethane	3.02	101	822193	49.098	ug/l	99
8) Diethyl Ether	3.41	74	422800	55.405	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	653748	52.097	ug/l	100
10) Methyl Iodide	3.94	142	1029481	57.535	ug/l	99
11) Tert butyl alcohol	4.82	59	206902	237.414	ug/l	98
12) 1,1-Dichloroethene	3.73	96	655784	52.734	ug/l	99
13) Acrolein	3.61	56	172335	208.687	ug/l	98
14) Allyl chloride	4.31	41	803408	50.354	ug/l	100
15) Acrylonitrile	4.99	53	1033838	288.799	ug/l	99
16) Acetone	3.82	43	749470	205.909	ug/l	100
17) Carbon Disulfide	4.04	76	1334528	42.809	ug/l	100
18) Methyl Acetate	4.33	43	475617	64.587	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1683734	54.624	ug/l	99
20) Methylene Chloride	4.55	84	640689	53.607	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	622267	52.226	ug/l	98
22) Diisopropyl ether	5.96	45	1788932	56.178	ug/l	97
23) Vinyl Acetate	5.90	43	6357516	270.777	ug/l	100
24) 1,1-Dichloroethane	5.84	63	1115625	54.563	ug/l	100
25) 2-Butanone	6.84	43	1189160	278.360	ug/l	99
26) 2,2-Dichloropropane	6.82	77	681323	37.892	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	734139	55.230	ug/l	97
28) Bromochloromethane	7.19	49	445746	53.327	ug/l	99
29) Tetrahydrofuran	7.22	42	779519	283.796	ug/l	99
30) Chloroform	7.37	83	1203812	56.422	ug/l	100
31) Cyclohexane	7.65	56	953108	49.856	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1016279	52.742	ug/l	99
36) 1,1-Dichloropropene	7.79	75	861720	50.402	ug/l	99
37) Ethyl Acetate	6.94	43	526840	53.630	ug/l	99
38) Carbon Tetrachloride	7.77	117	879084	49.031	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	994326	47.269	ug/l	99
40) Benzene	8.04	78	2593454	53.009	ug/l	99
41) Methacrylonitrile	7.18	41	297559	53.050	ug/l	97
42) 1,2-Dichloroethane	8.12	62	876944	53.091	ug/l	100
43) Isopropyl Acetate	8.17	43	890458	51.641	ug/l	99
44) Trichloroethene	8.83	130	790907	52.039	ug/l	98
45) 1,2-Dichloropropane	9.12	63	668595	55.036	ug/l	99
46) Dibromomethane	9.21	93	433369	52.797	ug/l	100
47) Bromodichloromethane	9.40	83	878578	53.392	ug/l	98
48) Methyl methacrylate	9.20	41	481476	55.022	ug/l	99
49) 1,4-Dioxane	9.20	88	139270	1125.171	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2623147	287.461	ug/l	100
52) Toluene	10.16	92	1654373	53.330	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	798701	42.738	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	960234	50.076	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	625935	55.260	ug/l	99
56) Ethyl methacrylate	10.43	69	744202	55.101	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1014177	54.757	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1397989	239.353	ug/l	100
59) 2-Hexanone	10.75	43	1636632	269.542	ug/l	99
60) Dibromochloromethane	10.90	129	673935	52.861	ug/l	100
61) 1,2-Dibromoethane	11.00	107	622962	54.120	ug/l	100
64) Tetrachloroethene	10.63	164	813176	51.043	ug/l	99
65) Chlorobenzene	11.43	112	1918741	53.033	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	705108	53.648	ug/l	100
67) Ethyl Benzene	11.51	91	3131656	52.217	ug/l	99
68) m/p-Xylenes	11.62	106	2474429	105.561	ug/l	99
69) o-Xylene	11.95	106	1220342	53.405	ug/l	99
70) Styrene	11.96	104	1944517	54.259	ug/l	99
71) Bromoform	12.13	173	444617	44.642	ug/l	99
73) Isopropylbenzene	12.25	105	3190019	50.782	ug/l	100
74) N-amyl acetate	12.07	43	736289	52.805	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	720876	53.862	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	641161m	55.530	ug/l	
77) Bromobenzene	12.53	156	861535	51.829	ug/l	98
78) n-propylbenzene	12.59	91	3455877	50.701	ug/l	100
79) 2-Chlorotoluene	12.67	91	2113604	51.572	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2651974	50.754	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	131336	38.884	ug/l	89
82) 4-Chlorotoluene	12.77	91	2107566	51.501	ug/l	100
83) tert-Butylbenzene	12.99	119	2433922	50.607	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2675832	52.200	ug/l	100
85) sec-Butylbenzene	13.17	105	3057667	49.024	ug/l	100
86) p-Isopropyltoluene	13.29	119	2689332	49.148	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1475637	52.683	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1431013	52.007	ug/l	100
89) n-Butylbenzene	13.62	91	2034614	48.938	ug/l	100
90) Hexachloroethane	13.88	117	410480	45.304	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1478452	53.994	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	107657	51.982	ug/l	97

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QLast Update : Wed Mar 13 03:33:31 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	759278	46.135	ug/l	99
94) Hexachlorobutadiene	15.01	225	457414	43.857	ug/l	99
95) Naphthalene	15.13	128	1625597	47.399	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	766755	52.703	ug/l	99

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

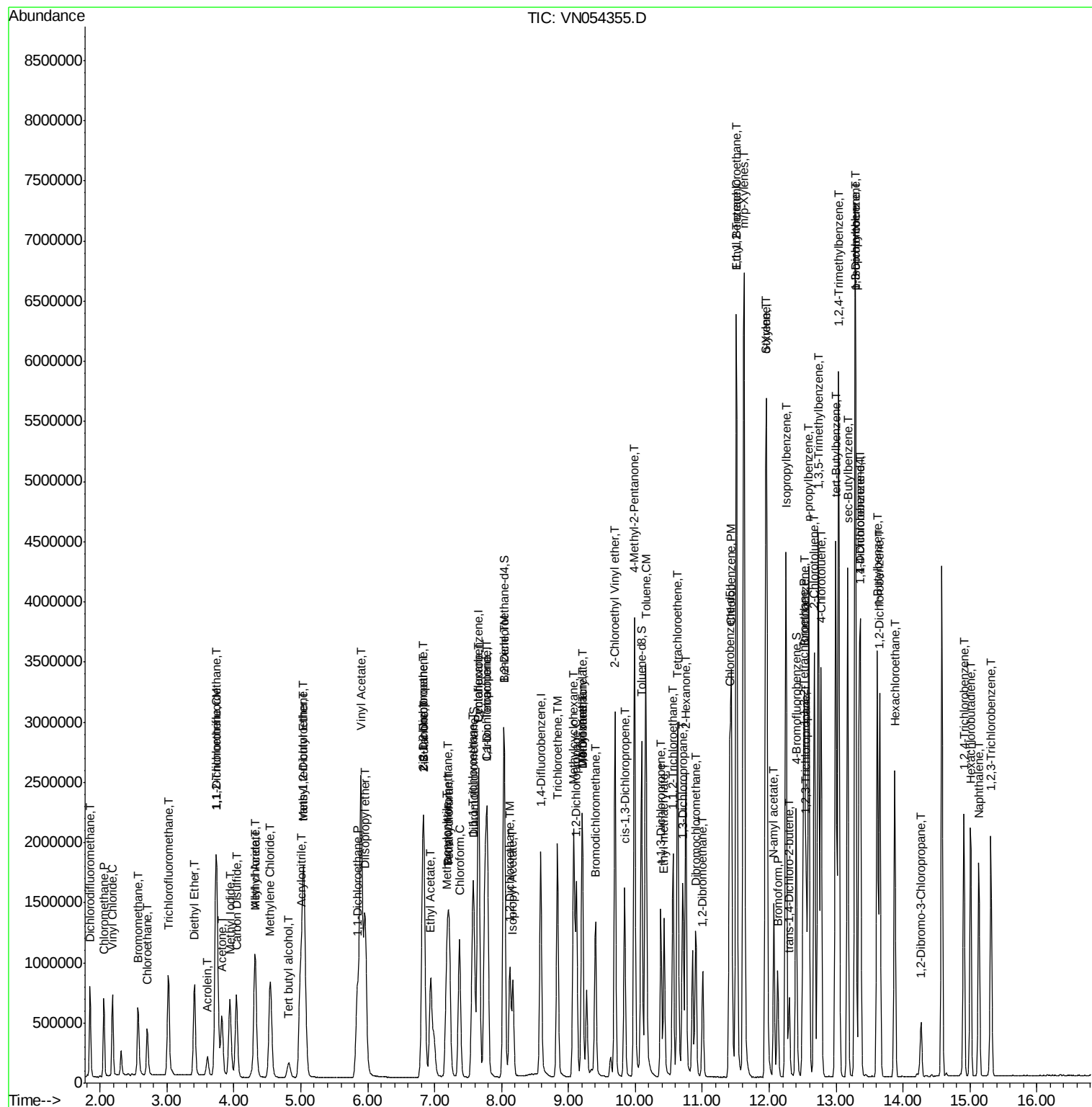
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
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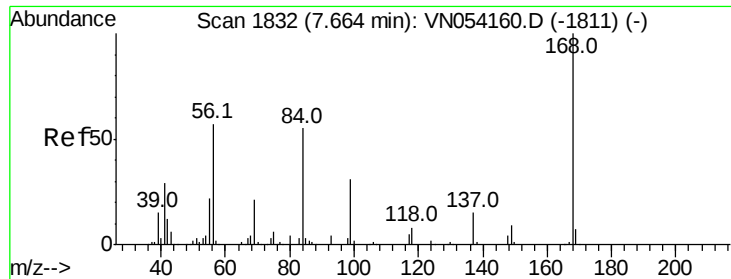
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050

Tot Ion:168 Resp: 1197010

Ion Ratio Lower Upper

168 100

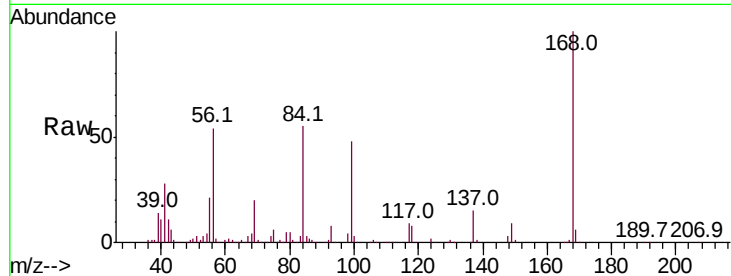
99 47.2 37.1 55.7

Manual Integrations

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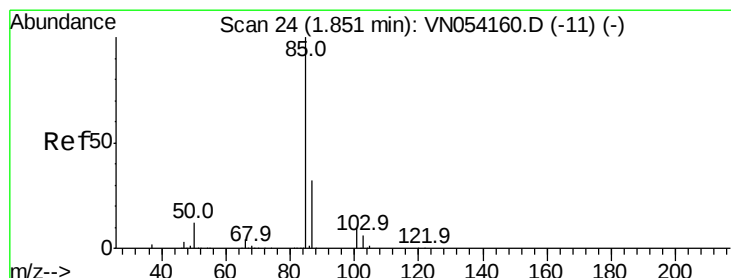
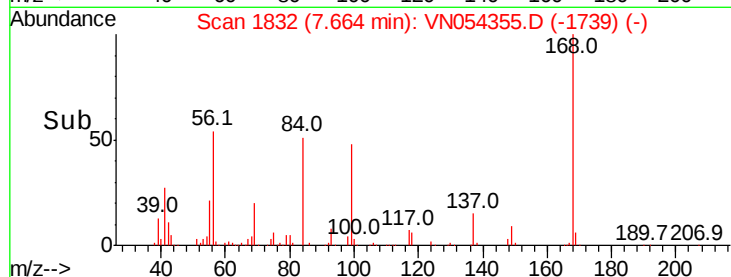
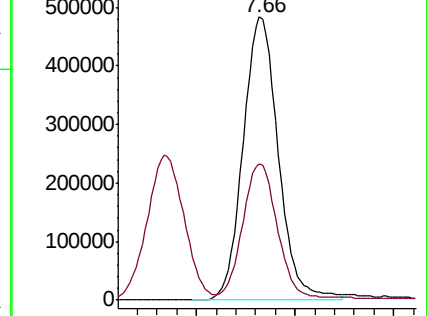
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.827 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054355.D

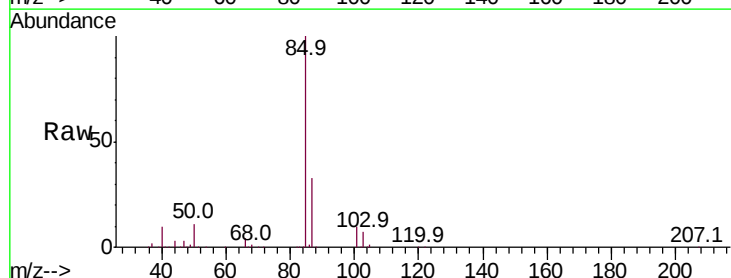
Acq: 17 Mar 2019 00:03

Tgt Ion: 85 Resp: 576618

Ion Ratio Lower Upper

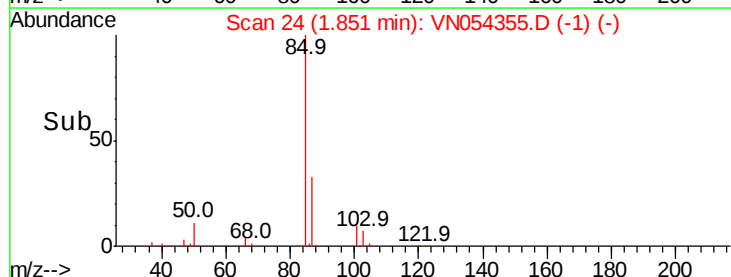
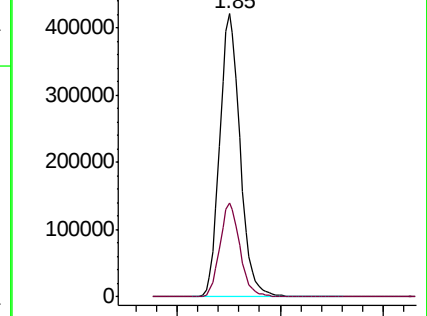
85 100

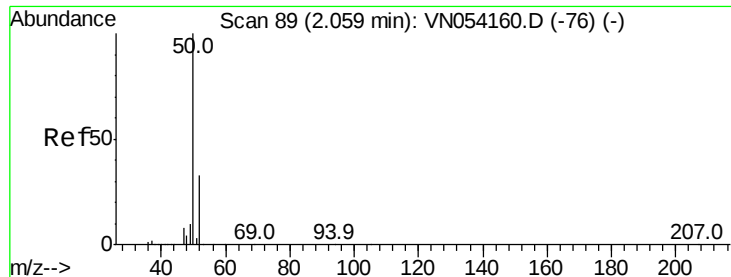
87 33.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 51.123 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 563362

Ion Ratio Lower Upper

50 100

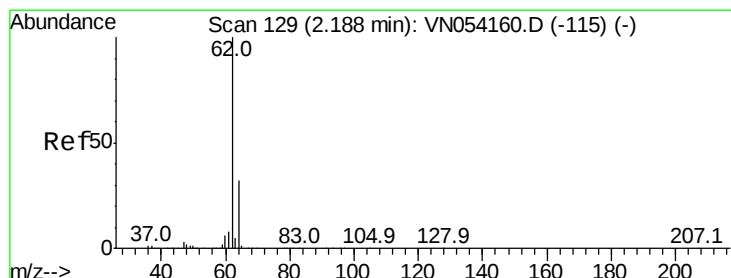
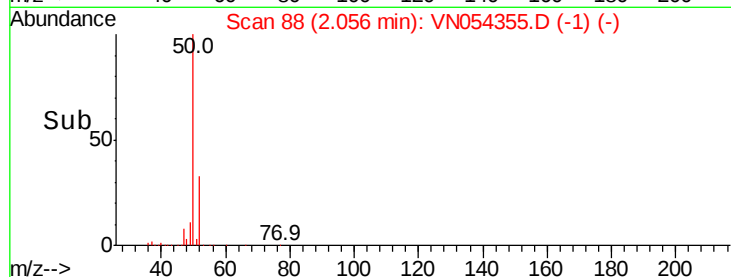
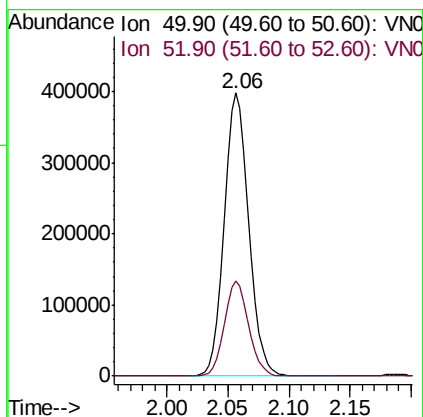
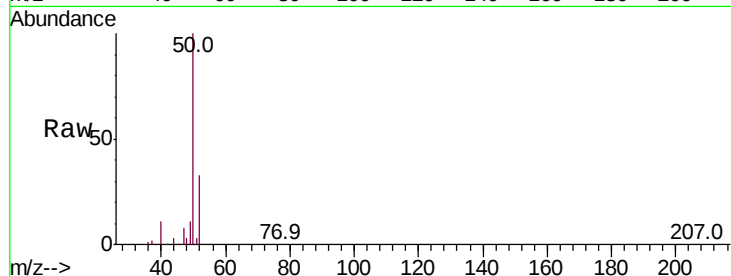
52 33.5 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.400 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN054355.D

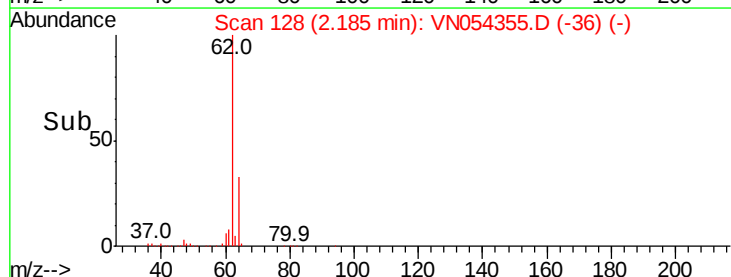
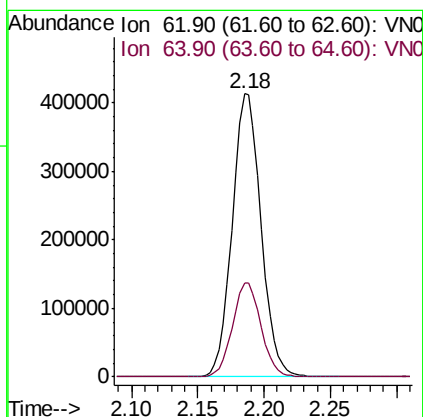
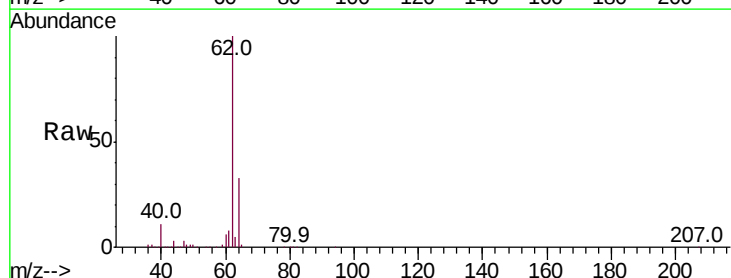
Acq: 17 Mar 2019 00:03

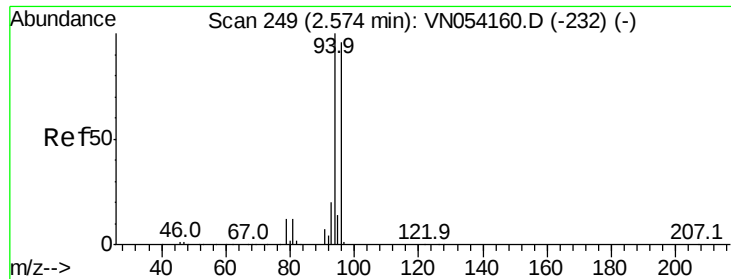
Tgt Ion: 62 Resp: 622206

Ion Ratio Lower Upper

62 100

64 33.3 25.5 38.3





#5

Bromomethane

Concen: 45.779 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

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Tot Ion: 94 Resp: 399352

Ion Ratio Lower Upper

94 100

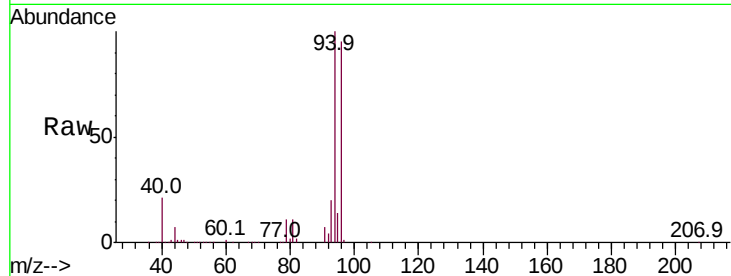
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Manual Integrations

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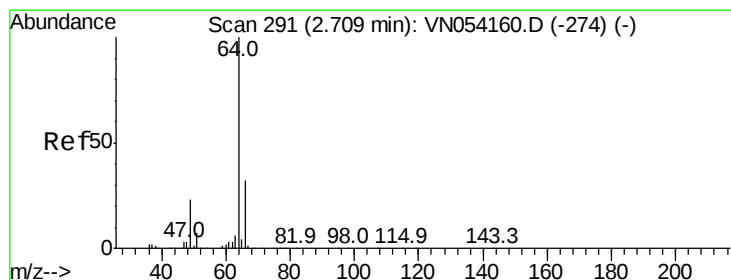
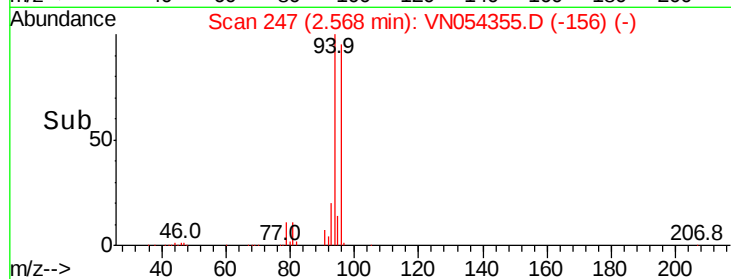
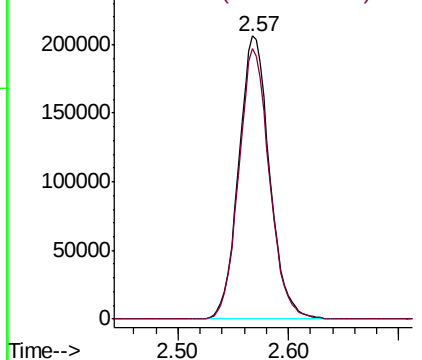
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 49.890 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054355.D

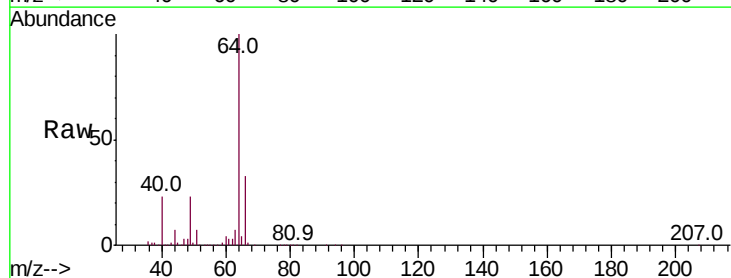
Acq: 17 Mar 2019 00:03

Tgt Ion: 64 Resp: 380202

Ion Ratio Lower Upper

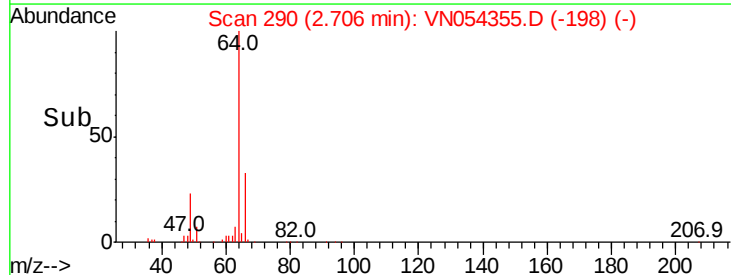
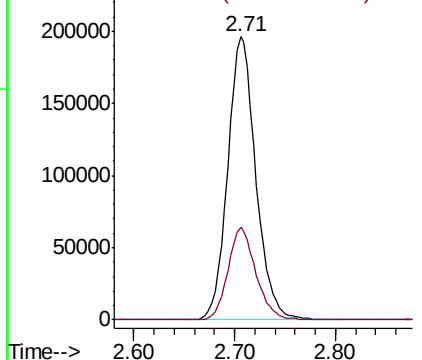
64 100

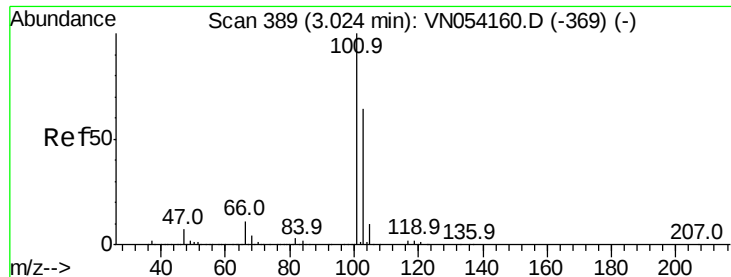
66 32.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

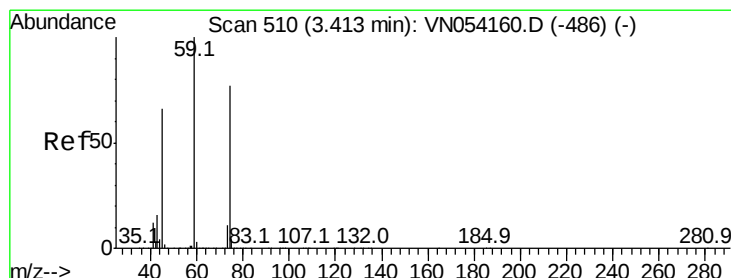
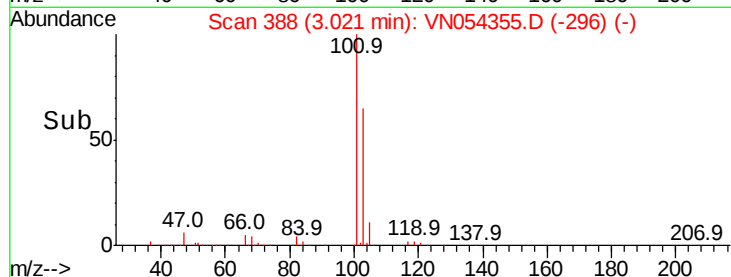
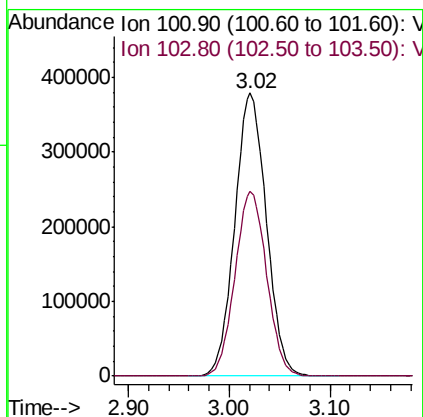
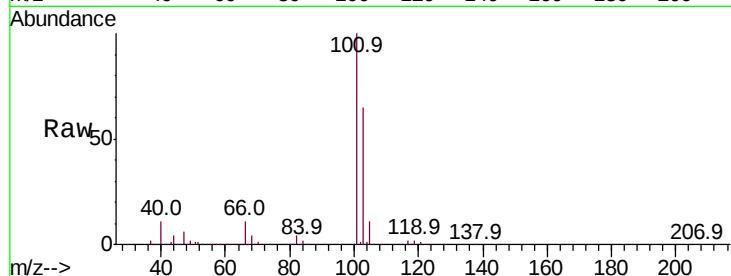
Trichlorofluoromethane
Concen: 49.098 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.4	77.2

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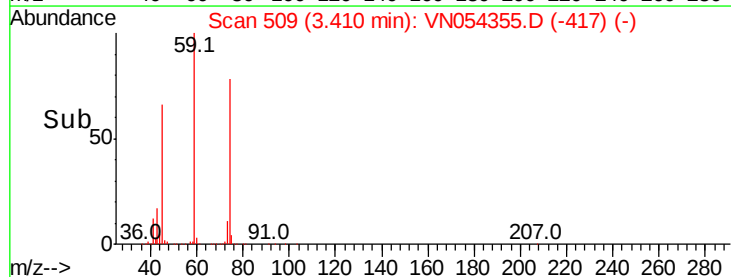
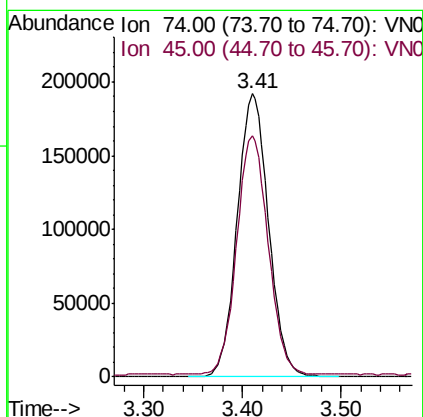
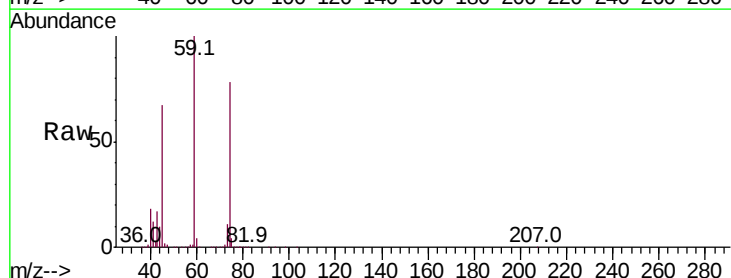
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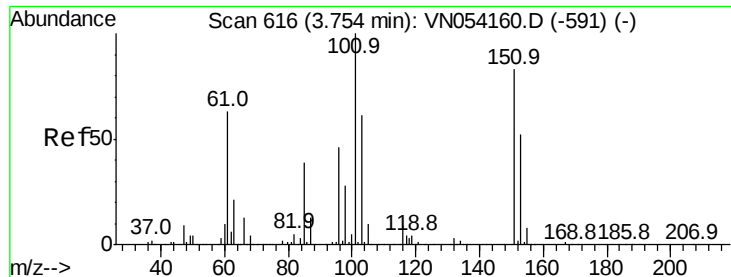


#8

Diethyl Ether
Concen: 55.405 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.5	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.097 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

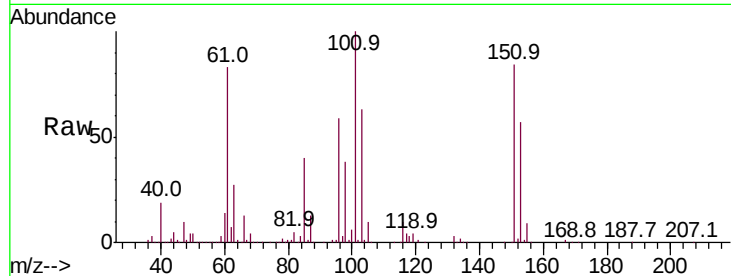
ClientSampleId :

VSTDCCC050

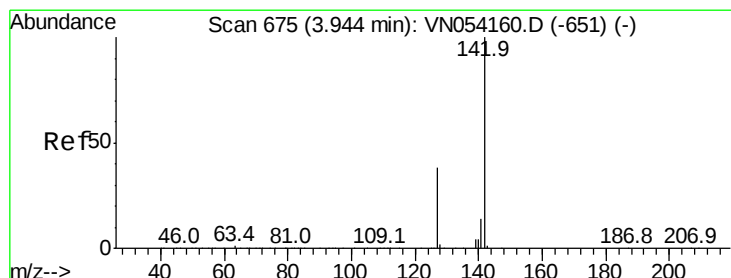
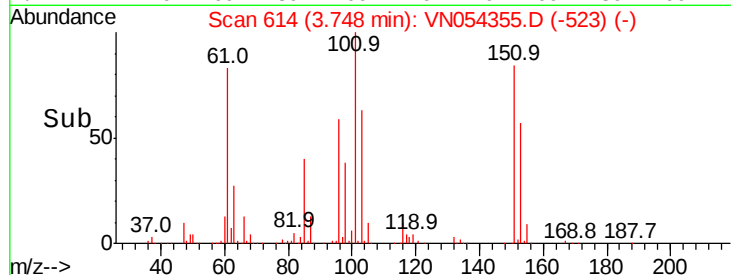
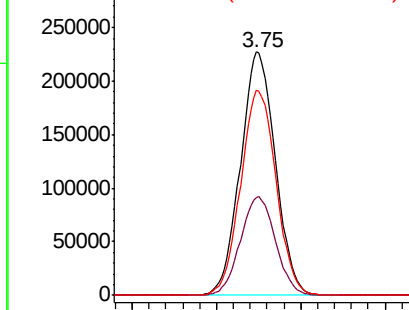
Tot Ion:	101	Resp:	653748
Ion Ratio	Lower	Upper	
101	100		
85	40.8	32.4	48.6
151	85.4	68.2	102.2

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



#10

Methyl Iodide

Concen: 57.535 ug/l

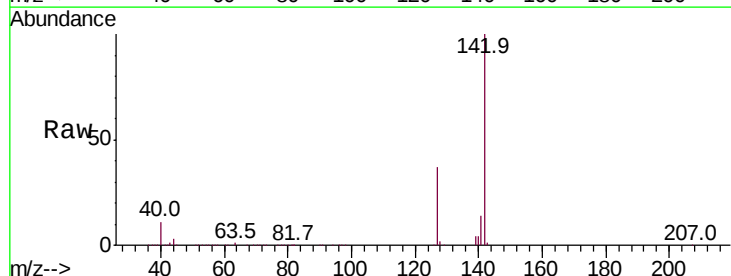
RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

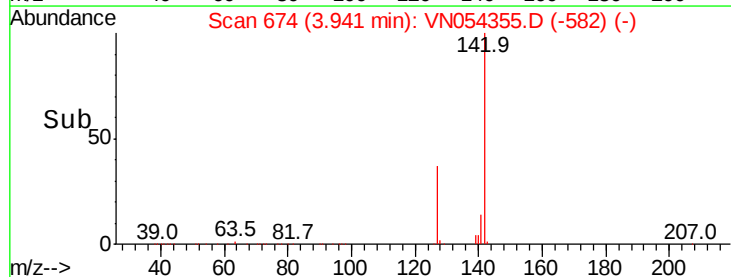
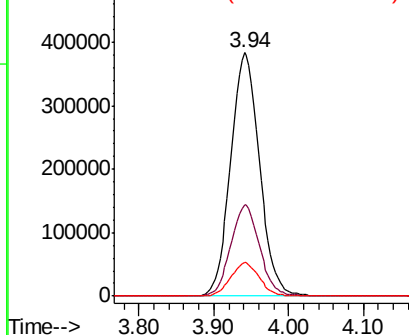
Lab File: VN054355.D

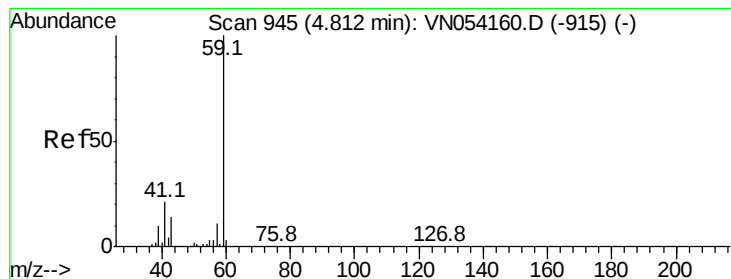
Acq: 17 Mar 2019 00:03

Tgt Ion:	142	Resp:	1029481
Ion Ratio	Lower	Upper	
142	100		
127	37.4	30.3	45.5
141	13.7	11.2	16.8



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





#11

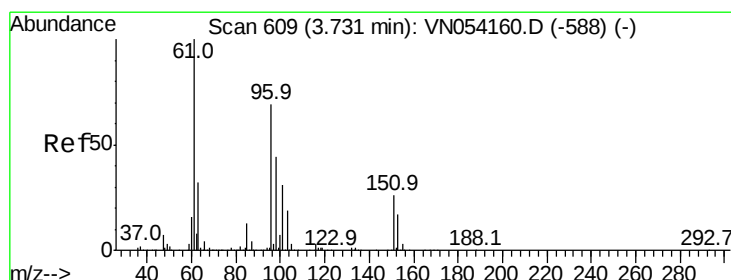
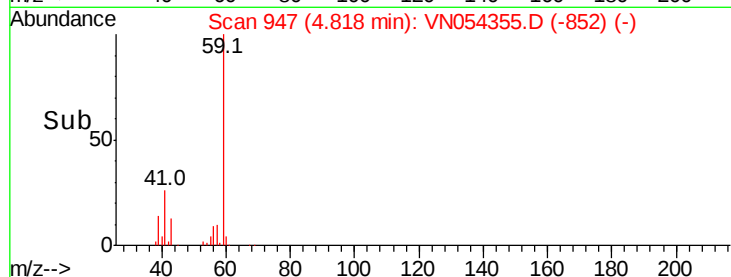
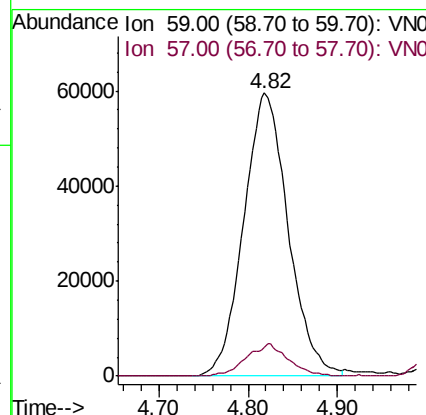
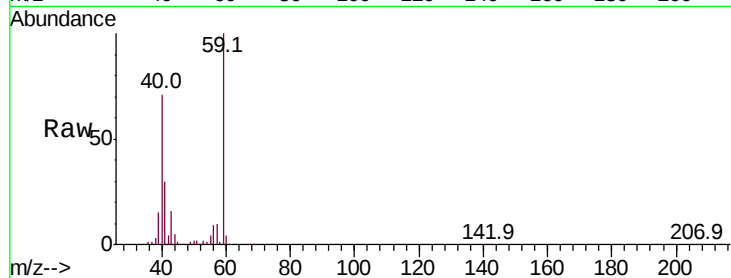
Tert butyl alcohol
 Concen: 237.414 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN054355.D
 Acq: 17 Mar 2019 00:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	9.0	13.6

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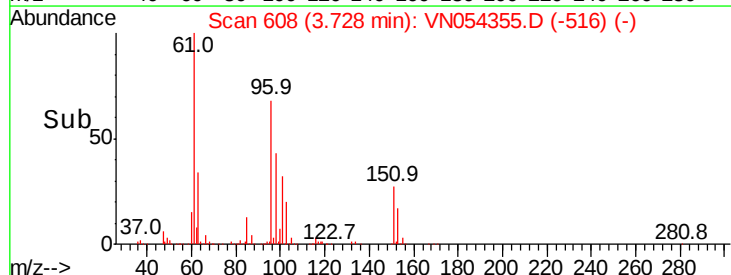
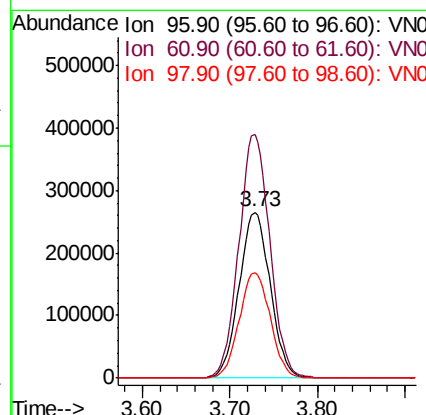
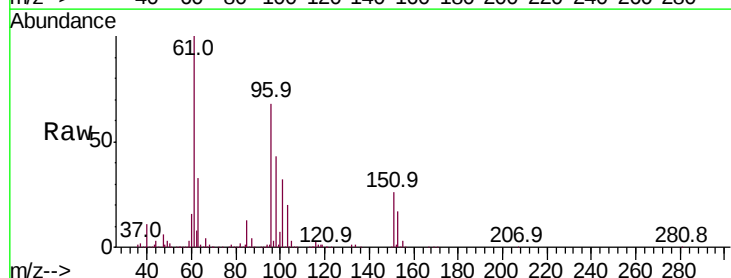
MMDadoda
 3/18/2019 11:28:39 AM

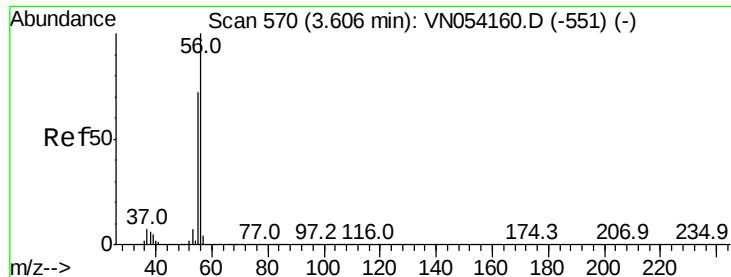


#12

1,1-Dichloroethene
 Concen: 52.734 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054355.D
 Acq: 17 Mar 2019 00:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.5	116.5	174.7
98	63.5	51.0	76.4





#13

Acrolein

Concen: 208.687 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 172335

Ion Ratio Lower Upper

56 100

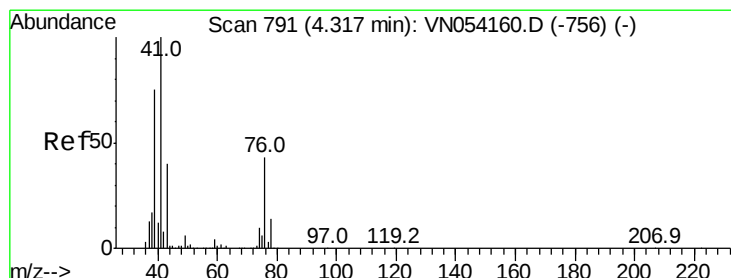
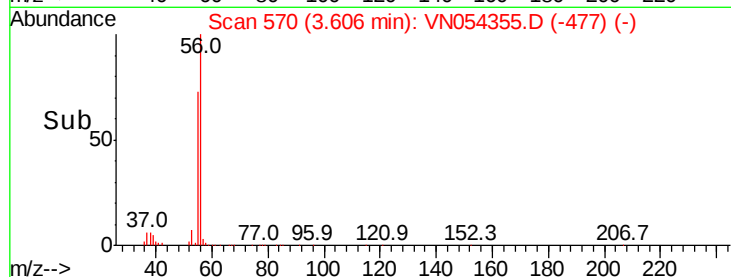
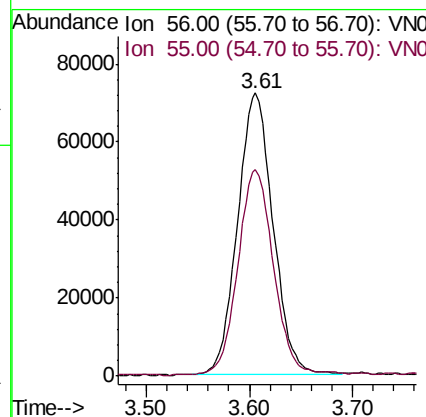
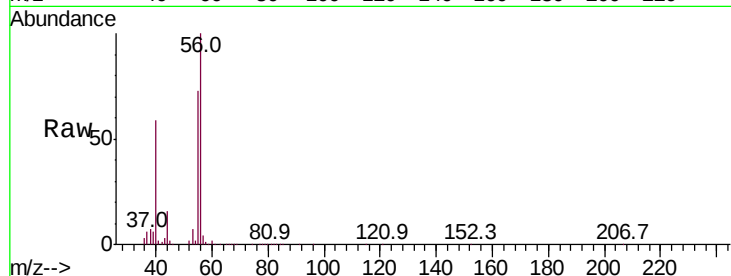
55 72.7 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 50.354 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

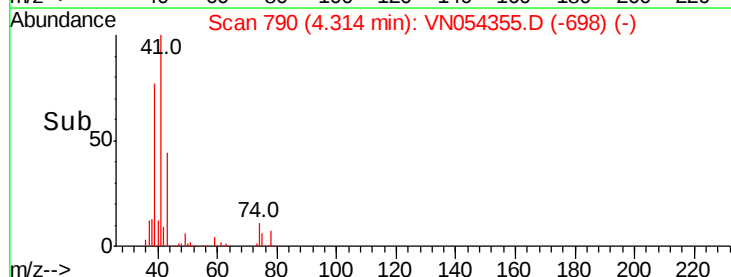
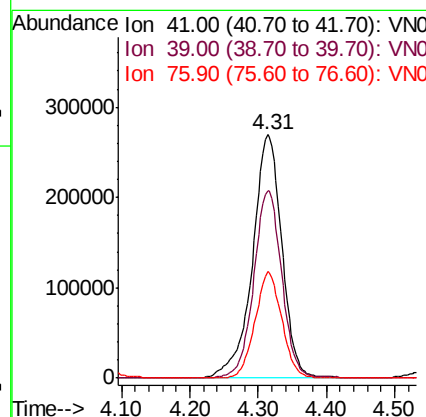
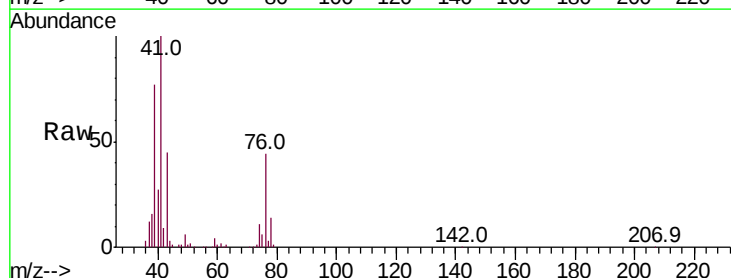
Tgt Ion: 41 Resp: 803408

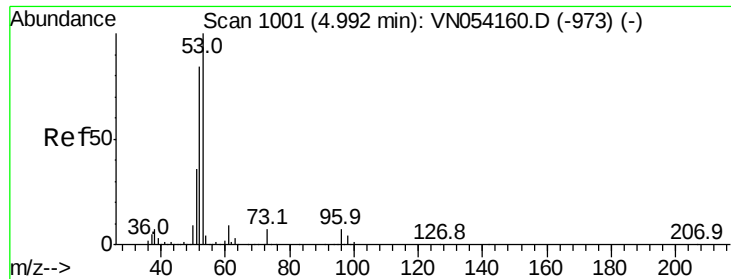
Ion Ratio Lower Upper

41 100

39 73.2 58.2 87.4

76 39.5 31.7 47.5





#15

Acrylonitrile

Concen: 288.799 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1033838

Ion Ratio Lower Upper

53 100

52 81.9 66.4 99.6

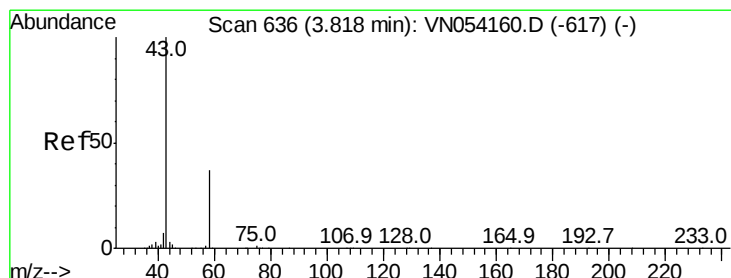
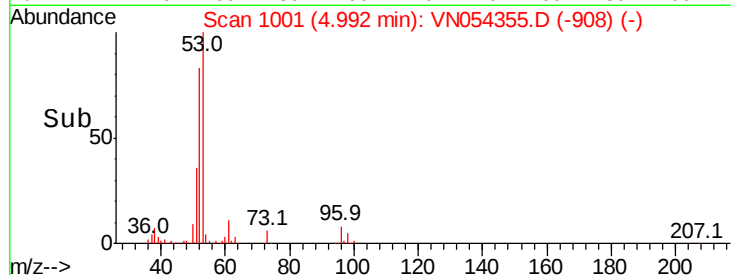
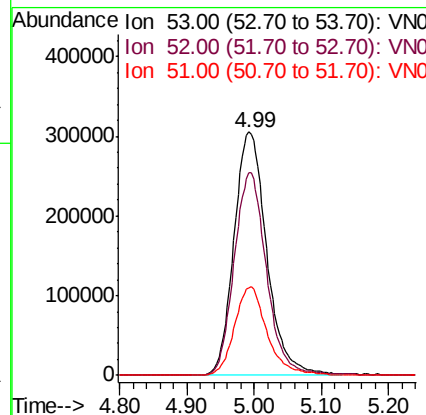
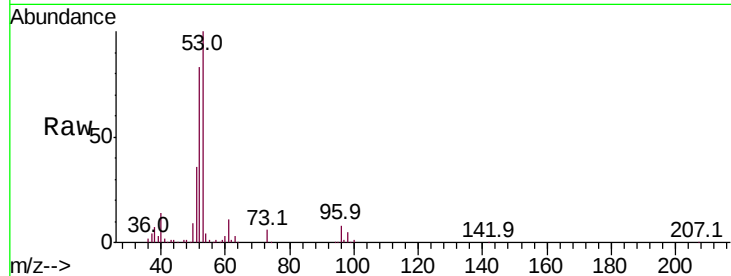
51 36.3 29.6 44.4

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#16

Acetone

Concen: 205.909 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054355.D

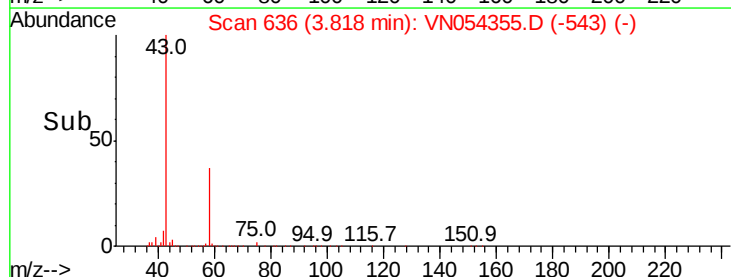
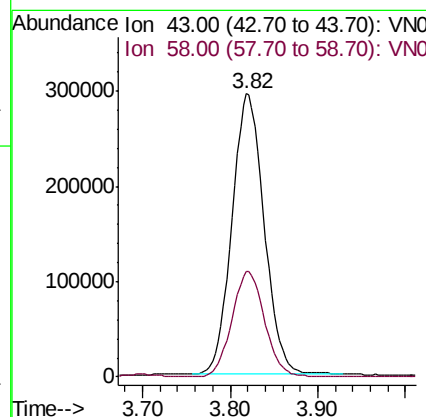
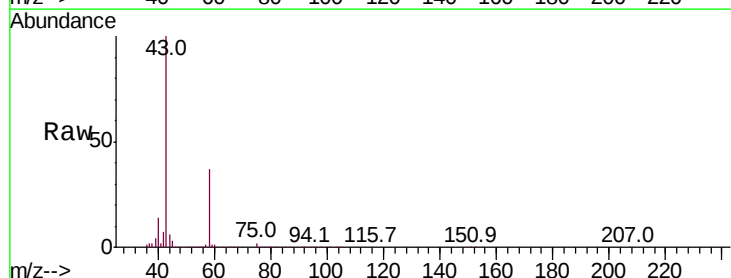
Acq: 17 Mar 2019 00:03

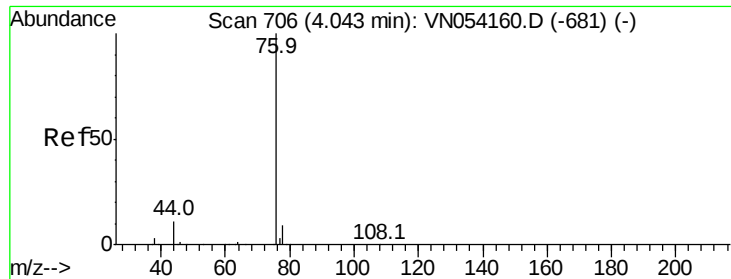
Tgt Ion: 43 Resp: 749470

Ion Ratio Lower Upper

43 100

58 37.3 29.9 44.9





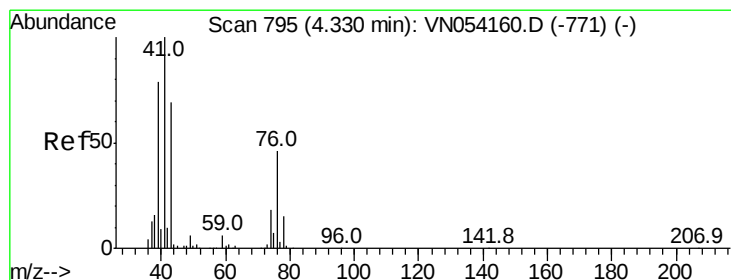
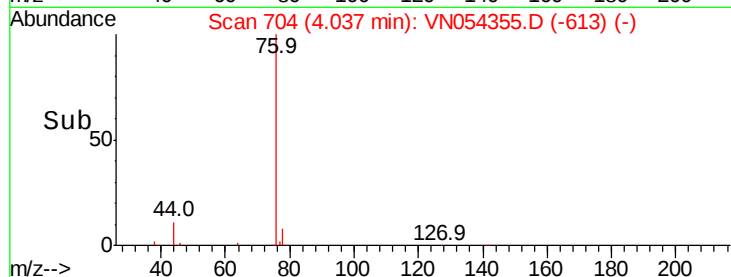
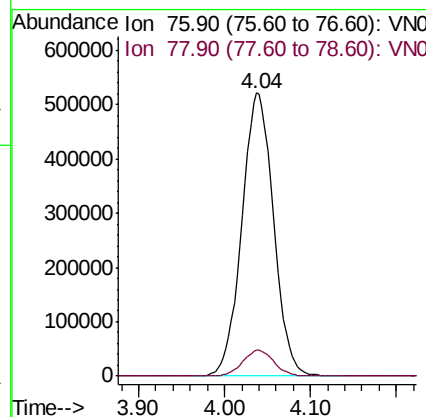
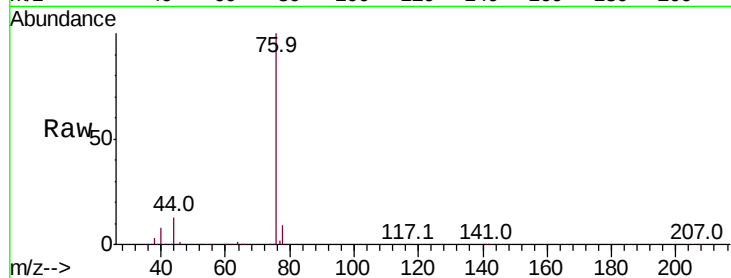
#17
Carbon Disulfide
Concen: 42.809 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.01 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1334528
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3

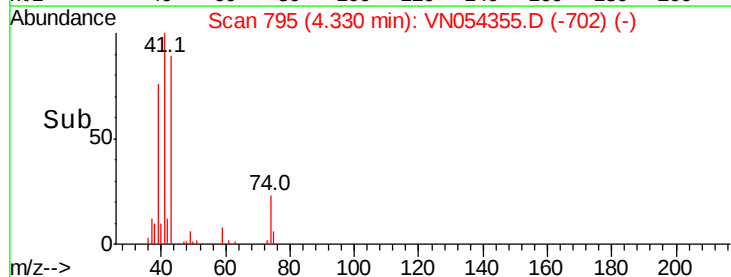
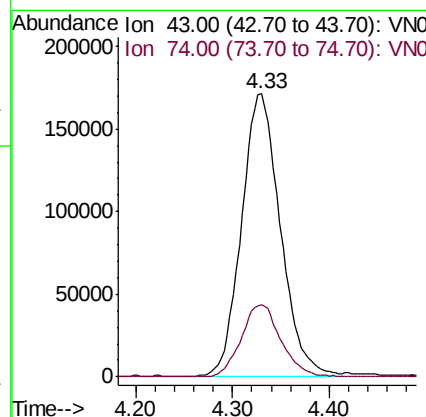
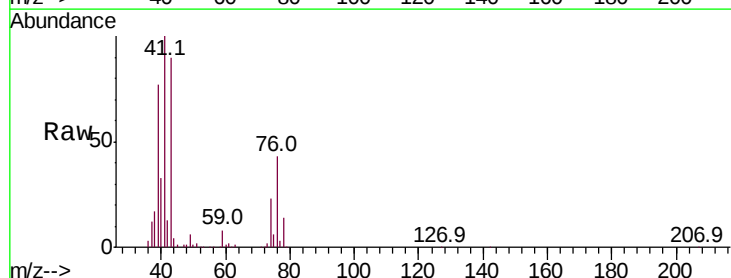
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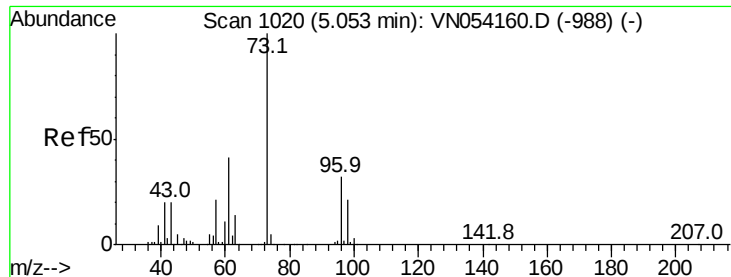
MMDadoda
3/18/2019 11:28:39 AM



#18
Methyl Acetate
Concen: 64.587 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Tgt Ion: 43 Resp: 475617
Ion Ratio Lower Upper
43 100
74 26.3 20.8 31.2





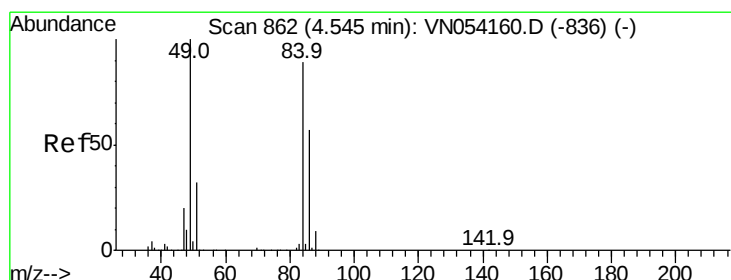
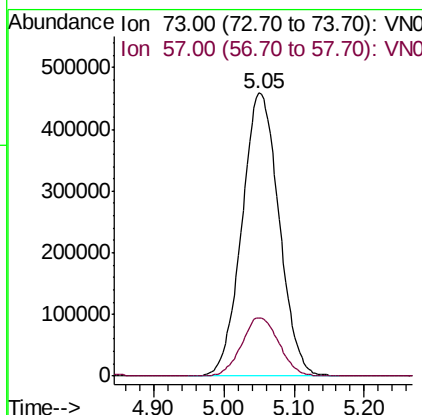
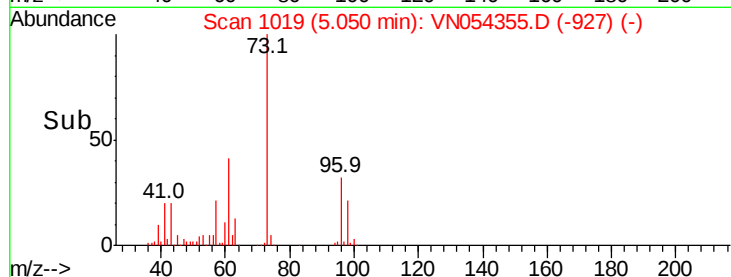
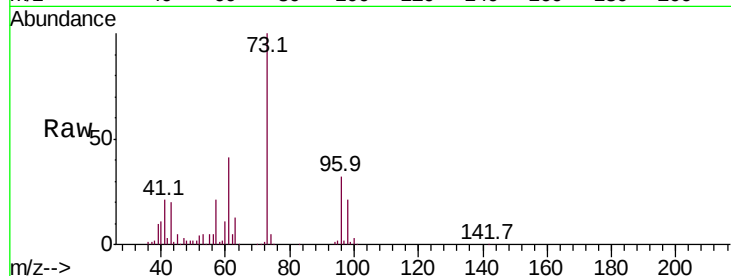
#19
Methvl tert-butvl Ether
Concen: 54.624 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1683734
Ion Ratio Lower Upper
73 100
57 20.6 16.8 25.2

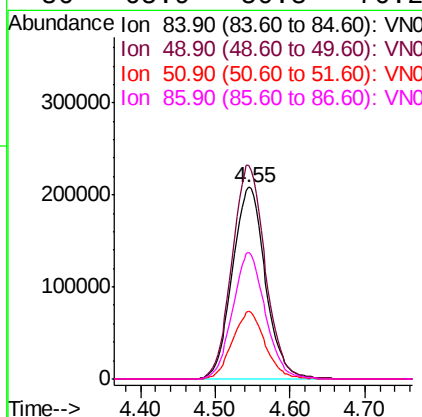
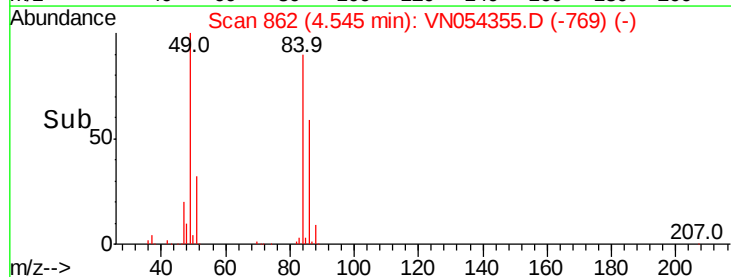
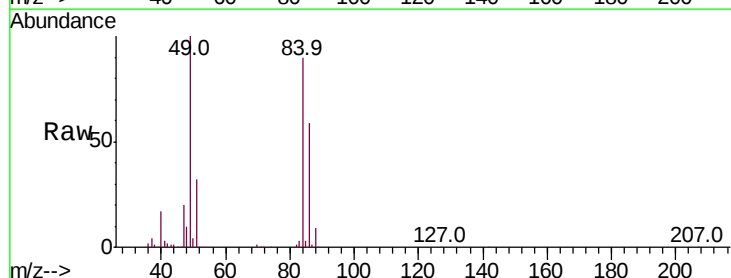
Manual Integrations
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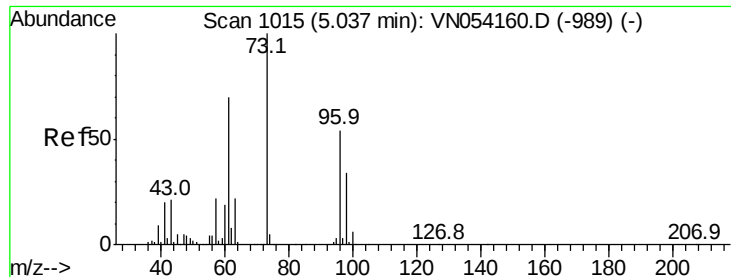
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#20
Methylene Chloride
Concen: 53.607 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Tgt Ion: 84 Resp: 640689
Ion Ratio Lower Upper
84 100
49 111.3 89.7 134.5
51 35.4 28.2 42.4
86 65.9 50.8 76.2





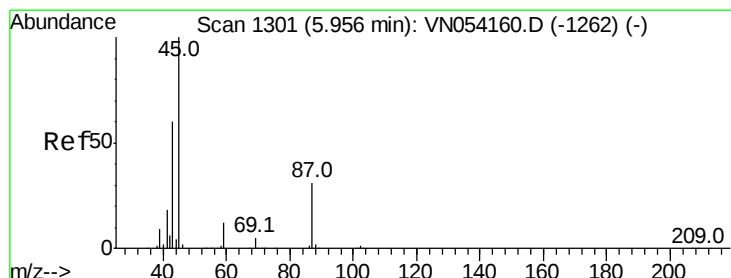
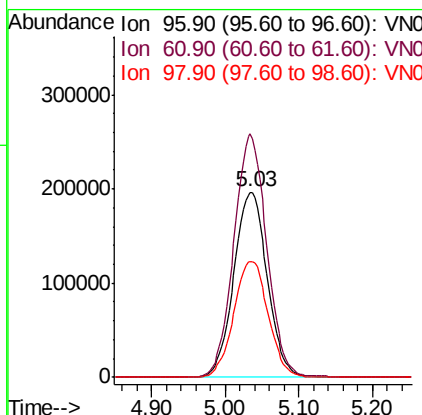
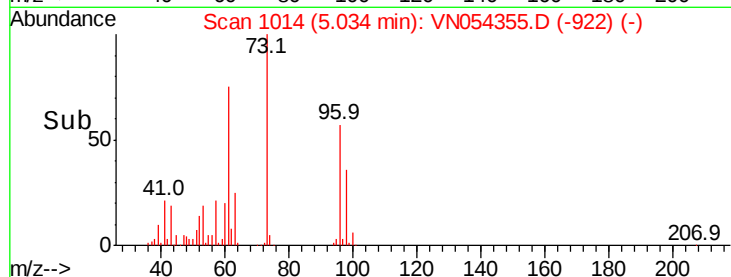
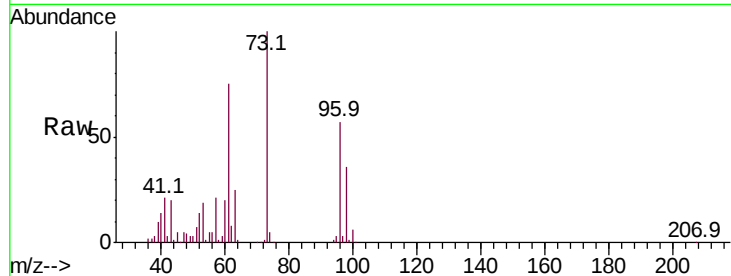
#21
trans-1,2-Dichloroethene
Concen: 52.226 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.4	102.8	154.2
98	62.6	50.0	75.0

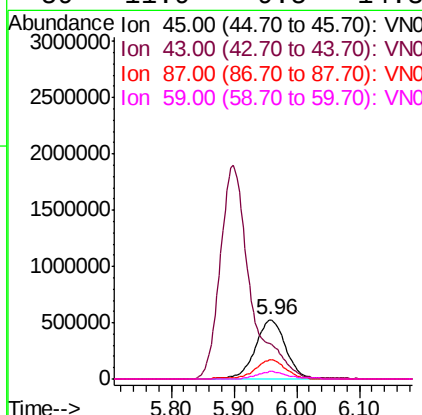
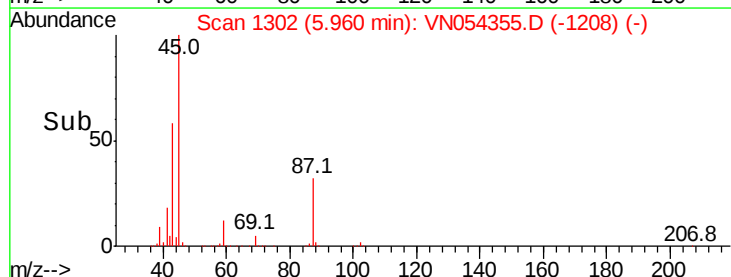
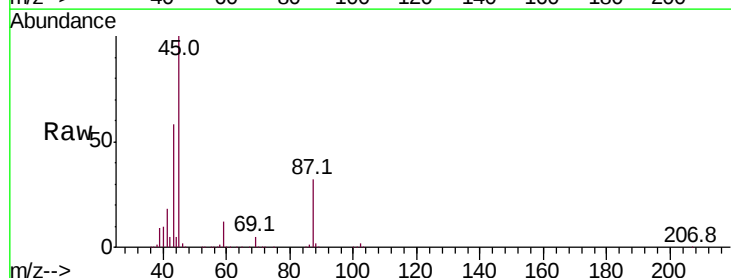
Manual Integrations
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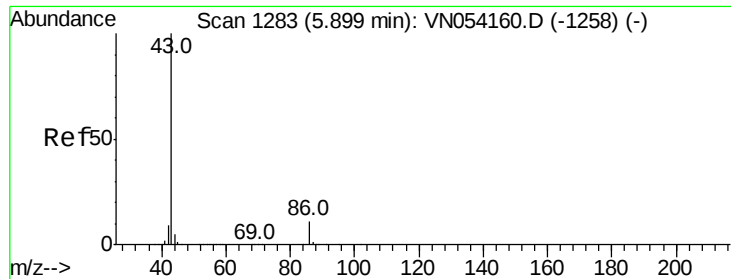
MMDadoda
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#22
Diisopropyl ether
Concen: 56.178 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.6	48.2	72.2
87	31.9	24.9	37.3
59	11.9	9.5	14.3





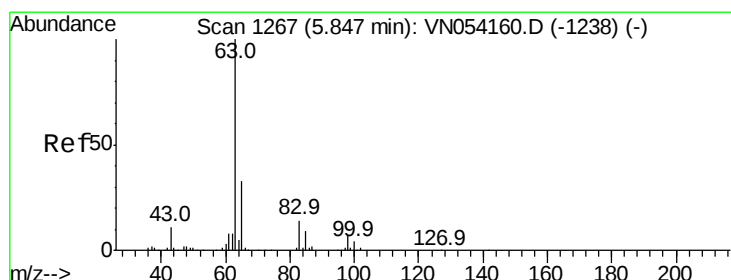
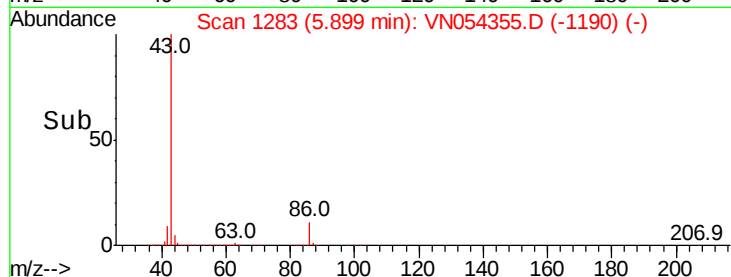
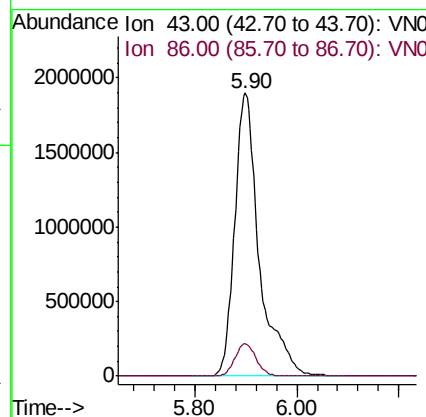
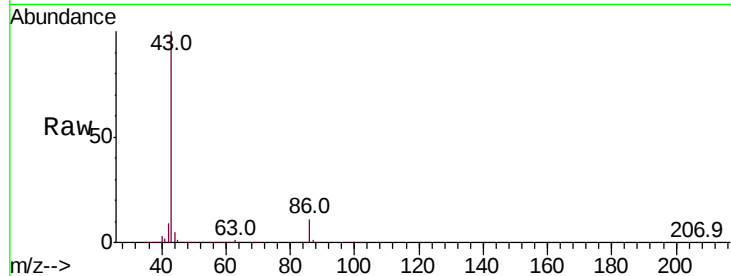
#23
 Vinyl Acetate
 Concen: 270.777 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054355.D
 Acq: 17 Mar 2019 00:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 6357516
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.1 13.7

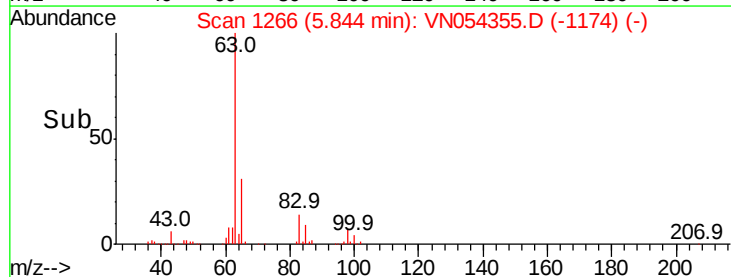
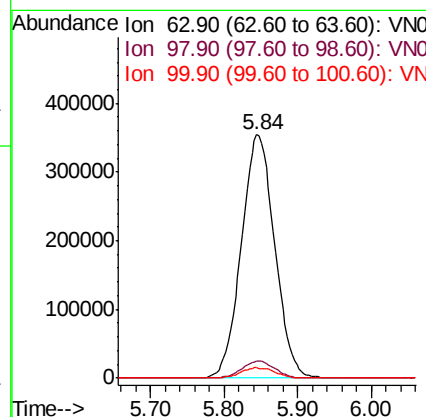
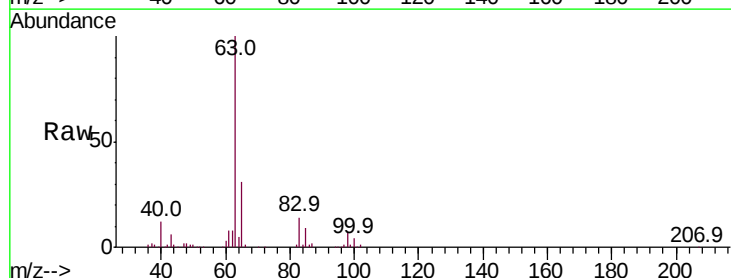
Manual Integrations
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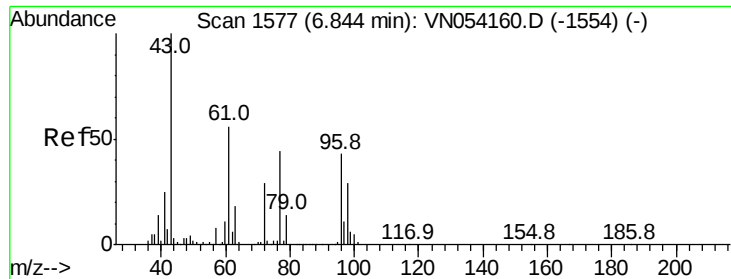
MMDadoda
 3/18/2019 11:28:39 AM



#24
 1,1-Dichloroethane
 Concen: 54.563 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN054355.D
 Acq: 17 Mar 2019 00:03

Tgt Ion: 63 Resp: 1115625
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.5
 100 4.2 2.0 6.0





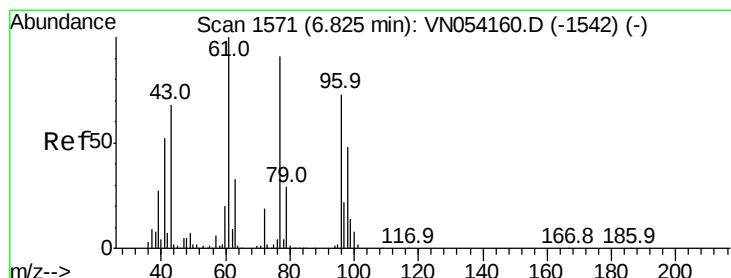
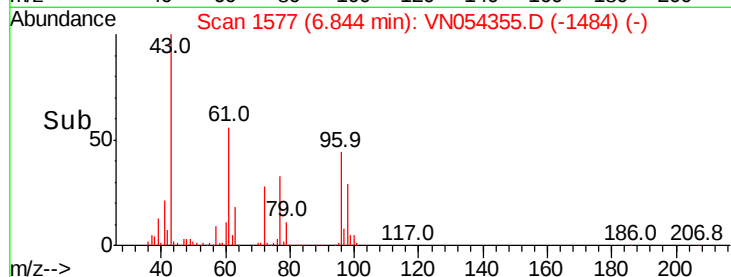
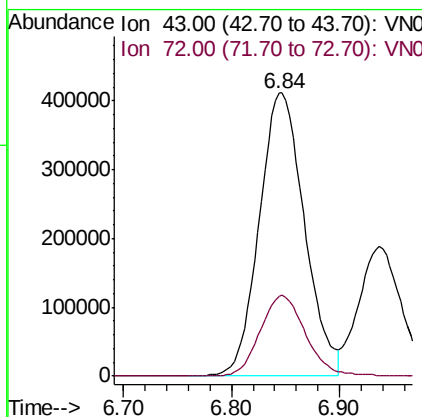
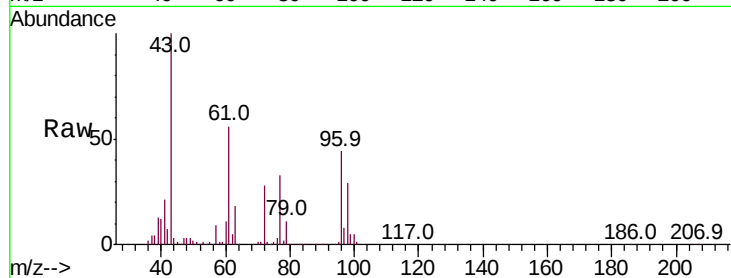
#25
2-Butanone
Concen: 278.360 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1189160
Ion Ratio Lower Upper
43 100
72 28.4 23.0 34.6

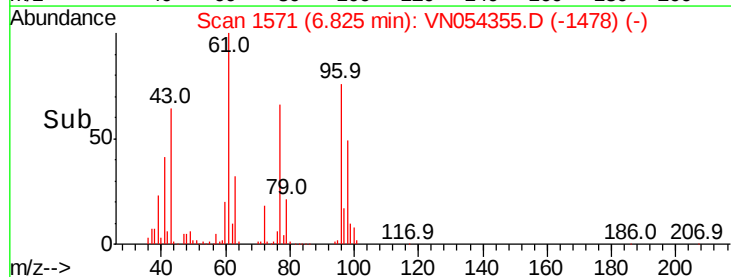
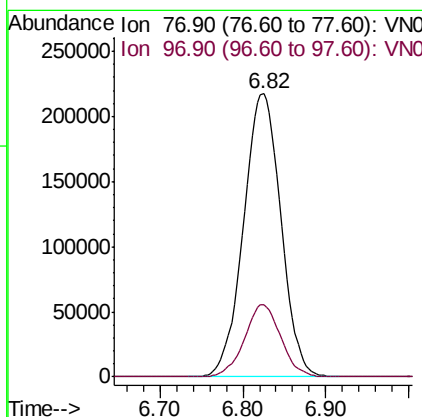
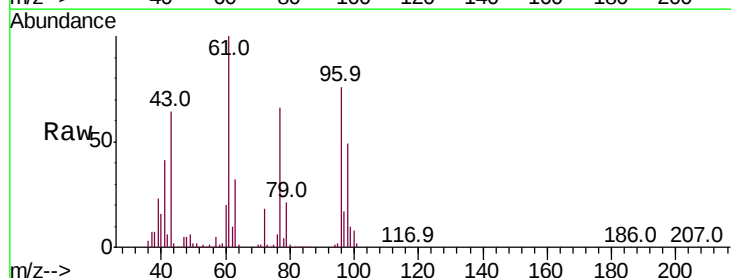
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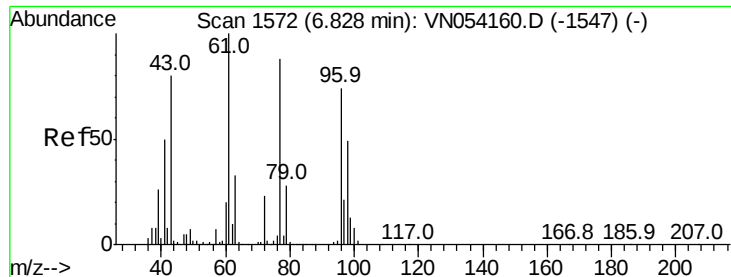
MMDadoda
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#26
2,2-Dichloropropane
Concen: 37.892 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Tgt Ion: 77 Resp: 681323
Ion Ratio Lower Upper
77 100
97 24.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 55.230 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

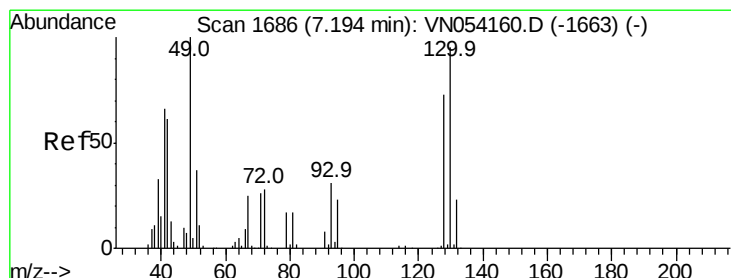
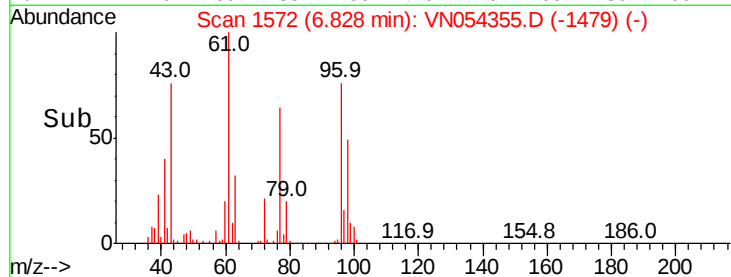
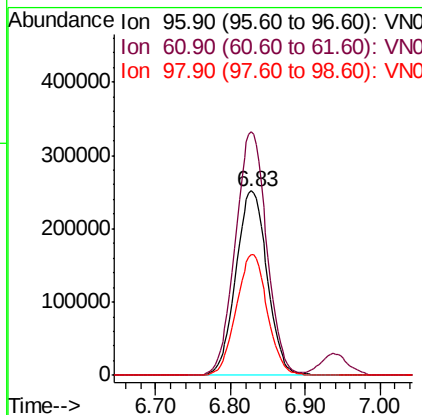
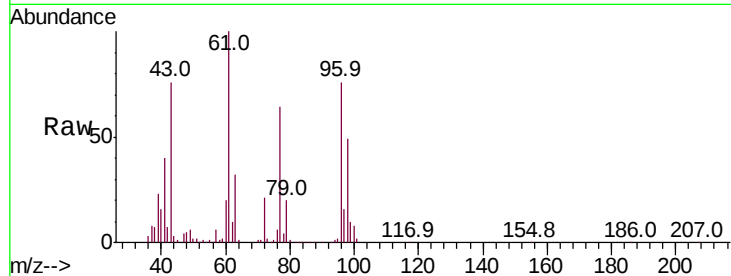
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	734139
Ion	Ratio	Lower	Upper
96	100		
61	131.9	0.0	273.0
98	64.9	0.0	130.6

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#28

Bromochloromethane

Concen: 53.327 ug/l

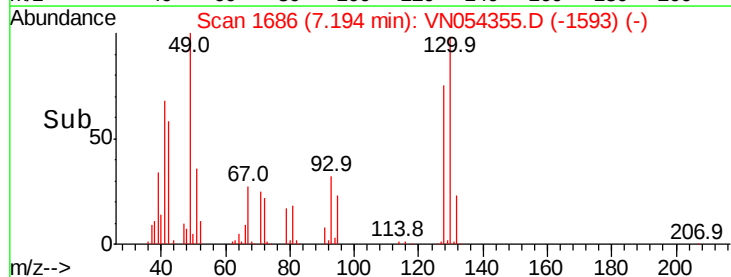
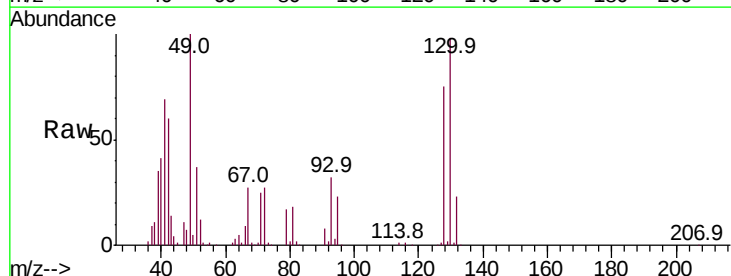
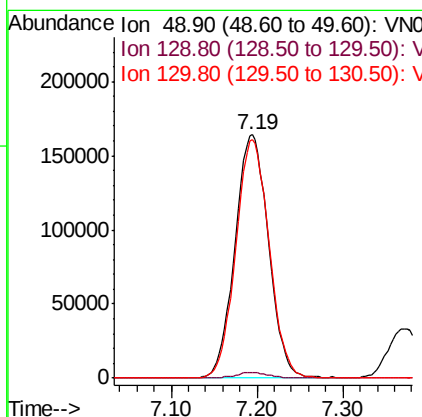
RT: 7.19 min Scan# 1686

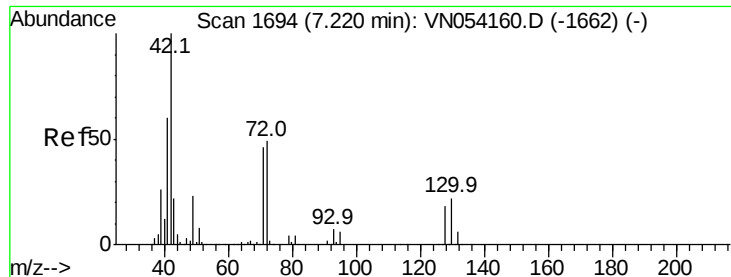
Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Tgt Ion:	49	Resp:	445746
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	97.3	76.7	115.1





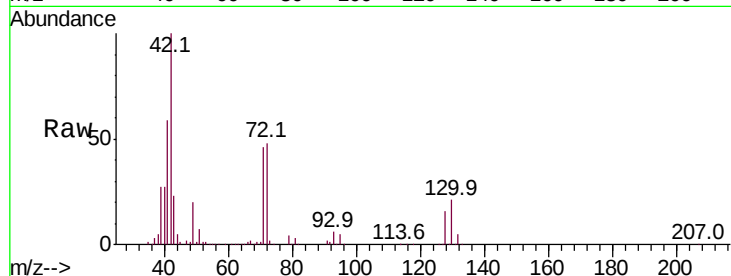
#29
Tetrahydrofuran
Concen: 283.796 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

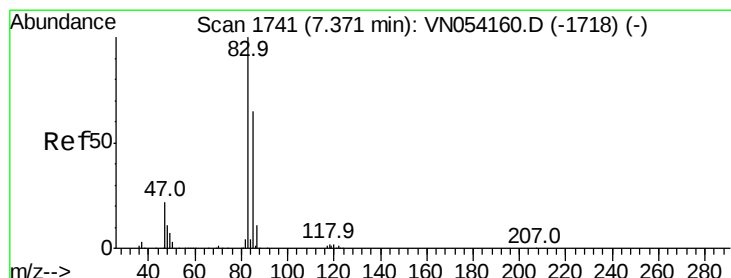
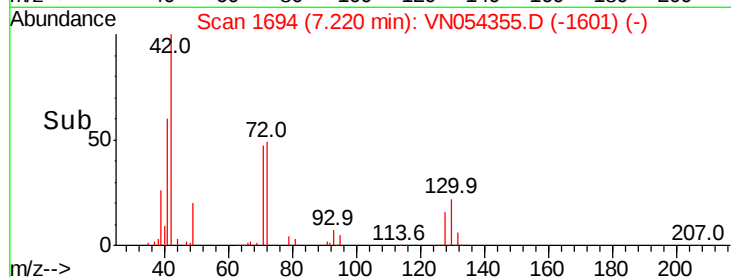
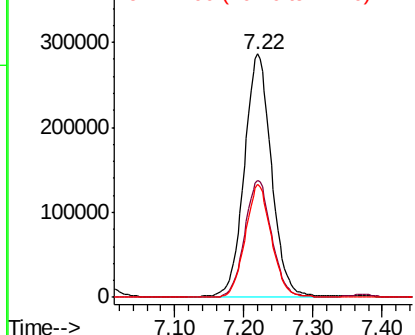
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	37.8	56.6
71	44.8	36.2	54.2

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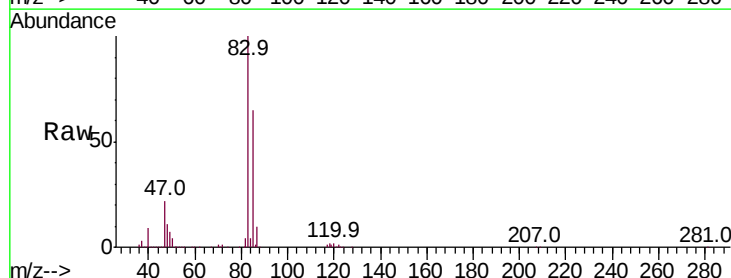


Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

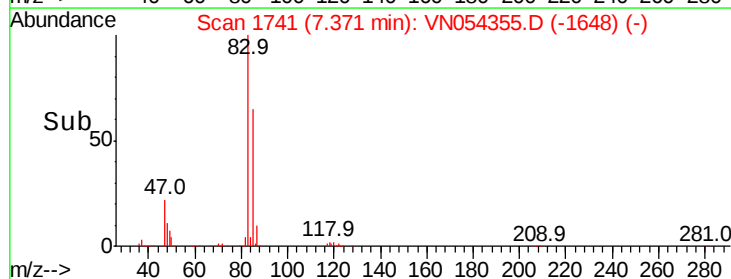
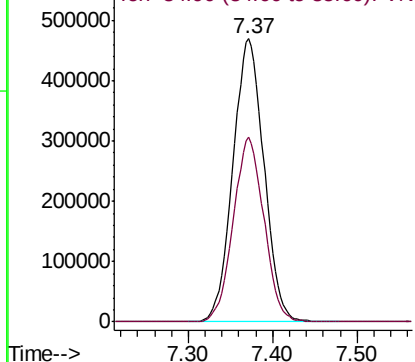


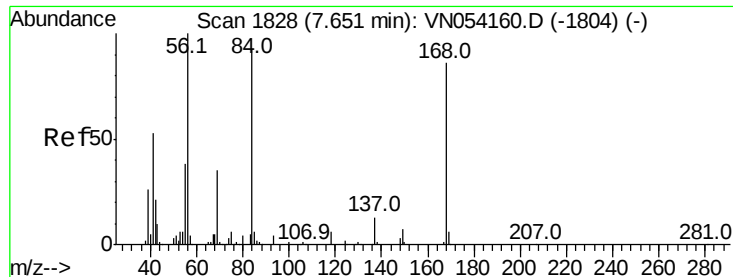
#30
Chloroform
Concen: 56.422 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.4



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO





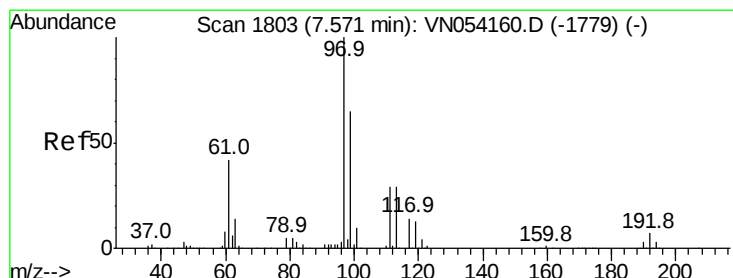
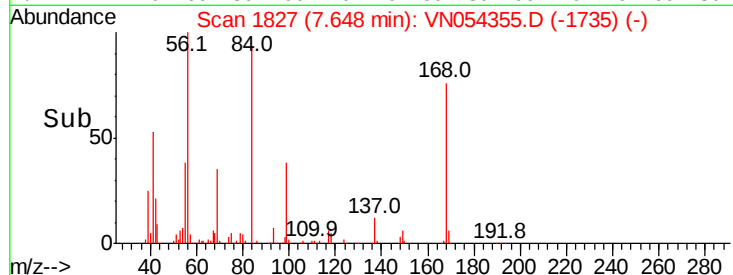
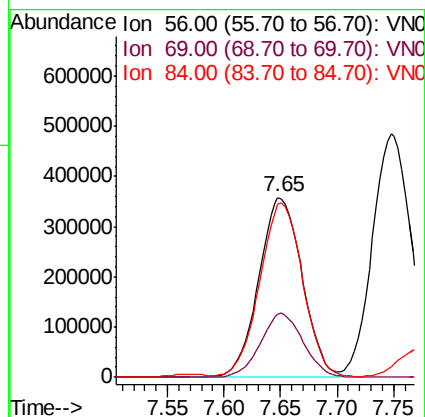
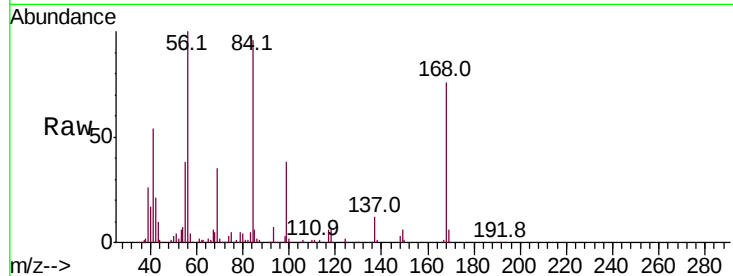
#31
Cyclohexane
Concen: 49.856 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.3	27.8	41.6
84	94.2	74.6	111.8

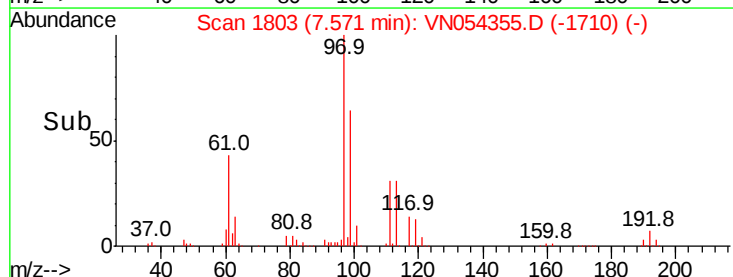
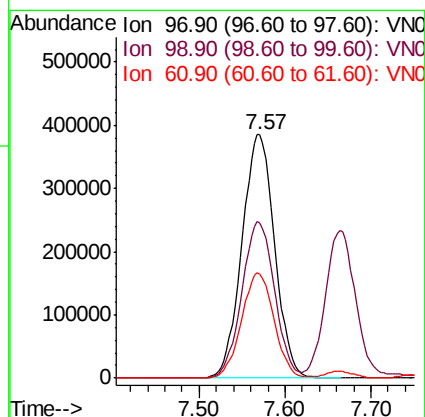
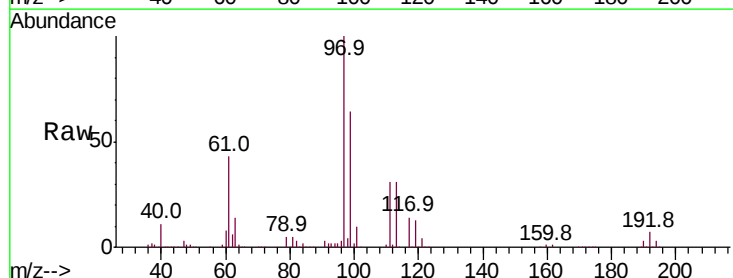
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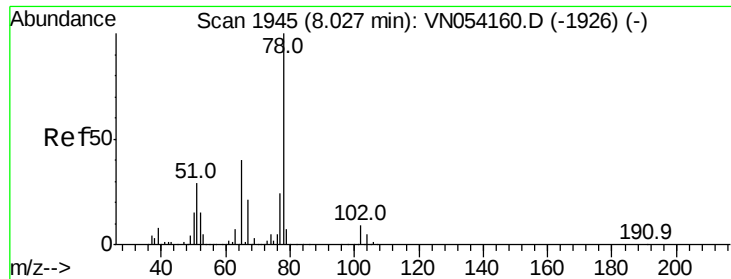
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#32
1,1,1-Trichloroethane
Concen: 52.742 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.5	77.3
61	43.0	33.6	50.4





#33

1,2-Dichloroethane-d4

Concen: 52.161 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 663087

Ion Ratio Lower Upper

65 100

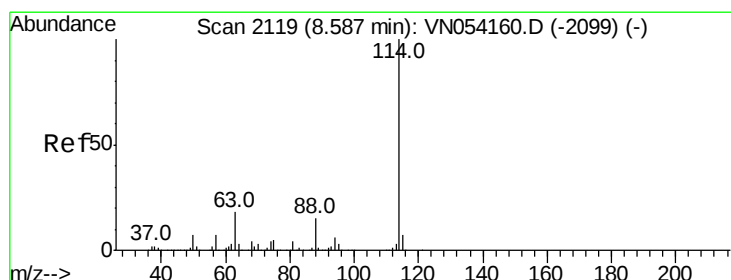
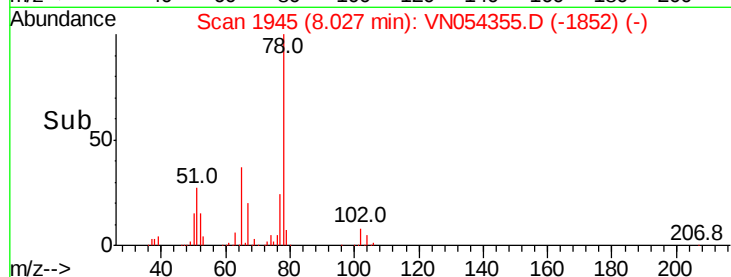
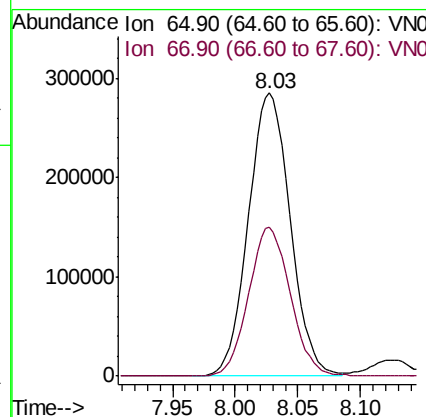
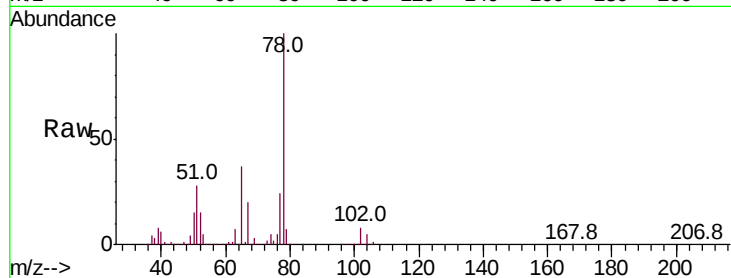
67 52.4 0.0 104.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

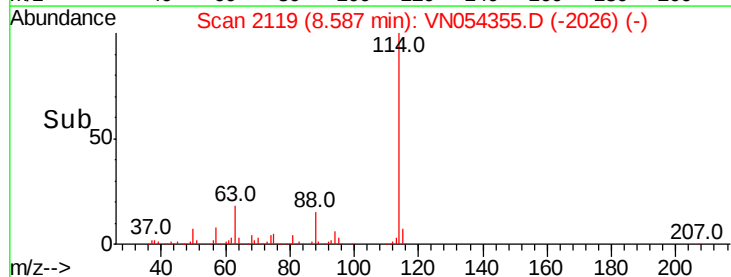
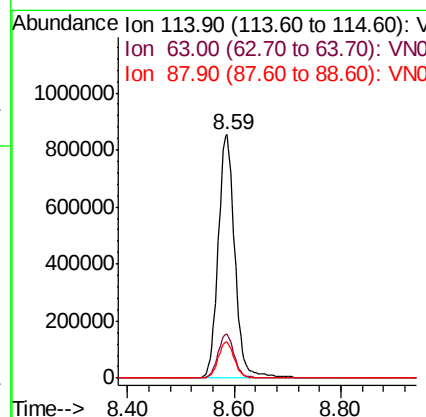
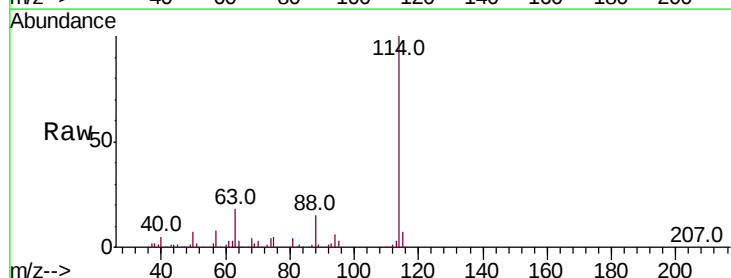
Tgt Ion: 114 Resp: 1856508

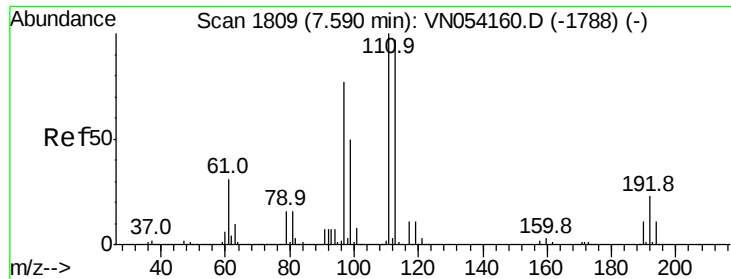
Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.2

88 14.7 0.0 30.2





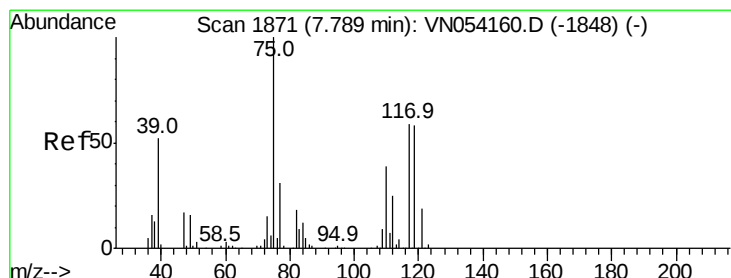
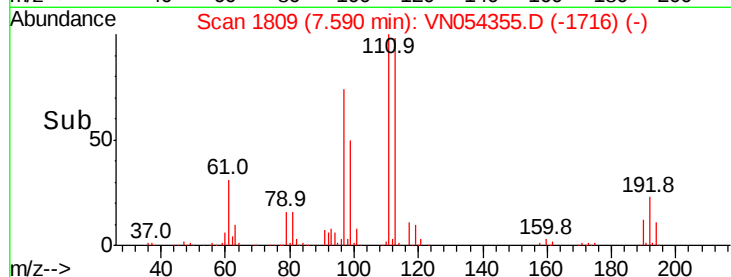
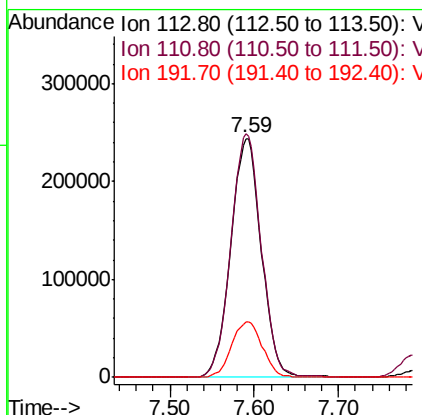
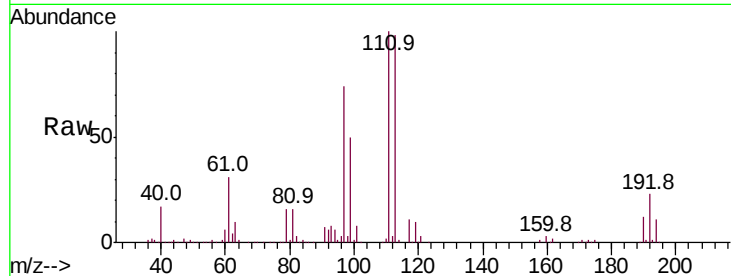
#35
 Dibromofluoromethane
 Concen: 51.417 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054355.D
 Acq: 17 Mar 2019 00:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.4
192	23.6	19.2	28.8

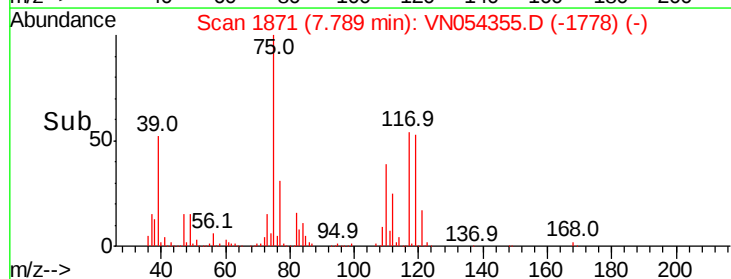
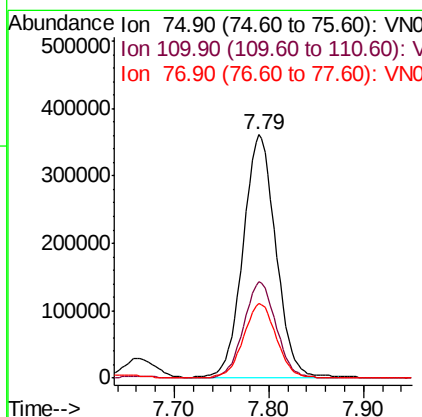
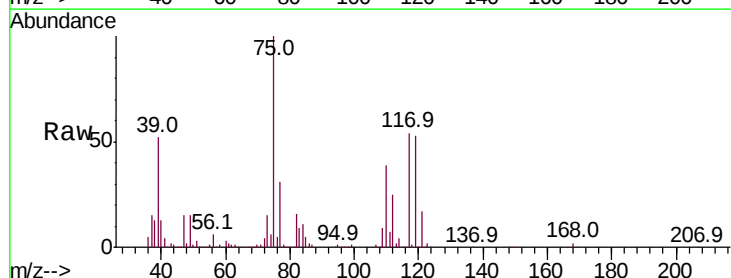
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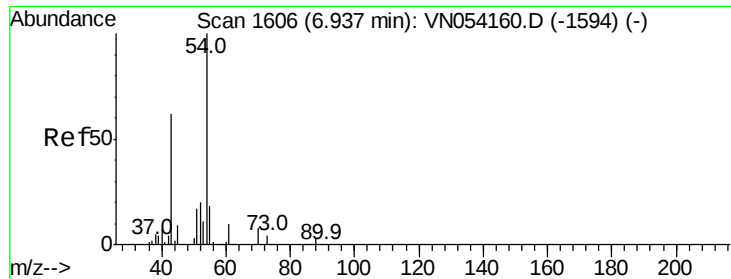
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#36
 1,1-Dichloropropene
 Concen: 50.402 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054355.D
 Acq: 17 Mar 2019 00:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.4	19.1	57.5
77	31.1	25.0	37.4





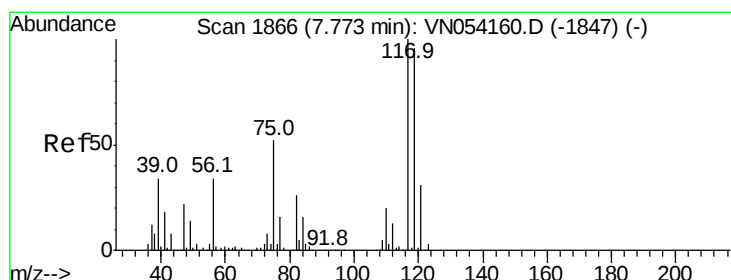
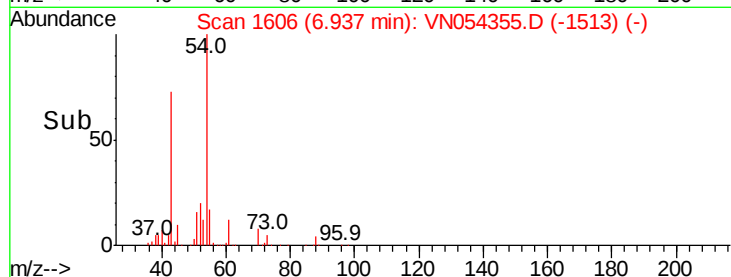
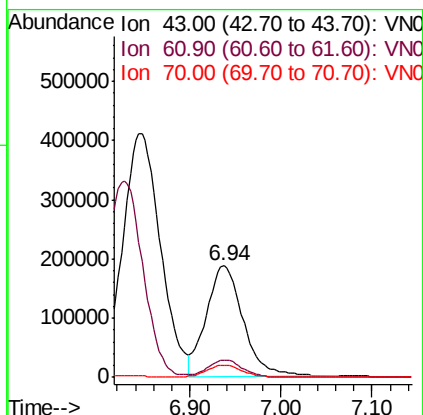
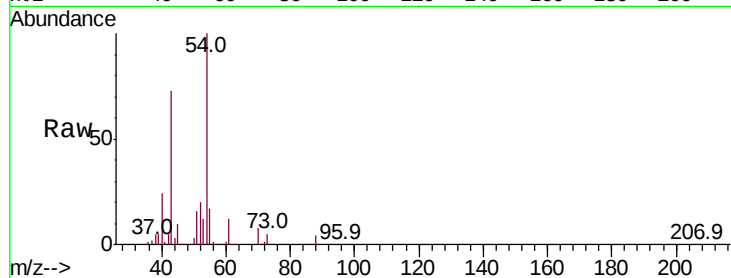
#37
Ethyl Acetate
Concen: 53.630 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.8	17.6
70	10.7	8.4	12.6

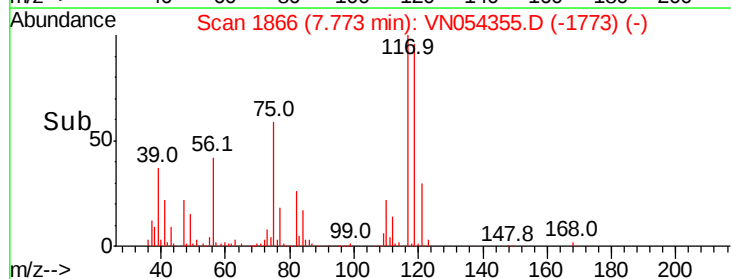
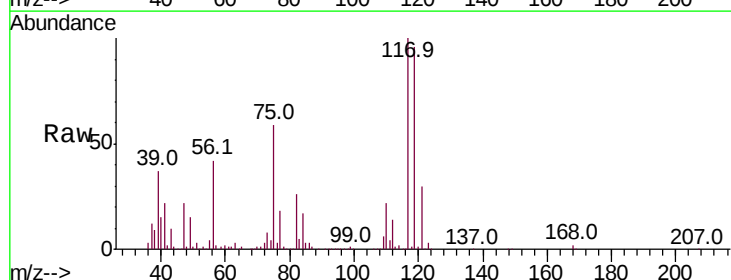
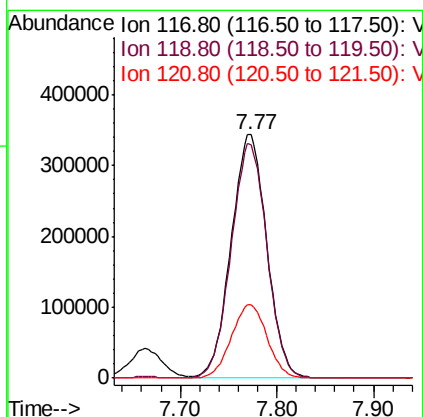
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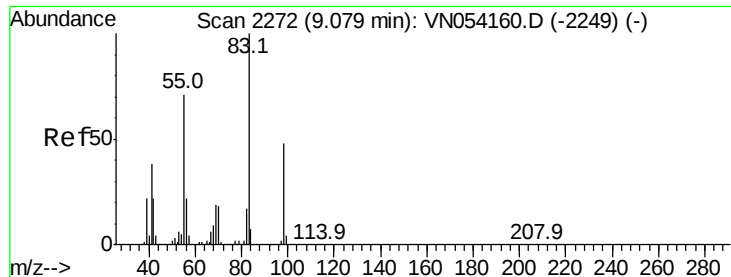
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#38
Carbon Tetrachloride
Concen: 49.031 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.3	114.5
121	30.2	24.6	36.8





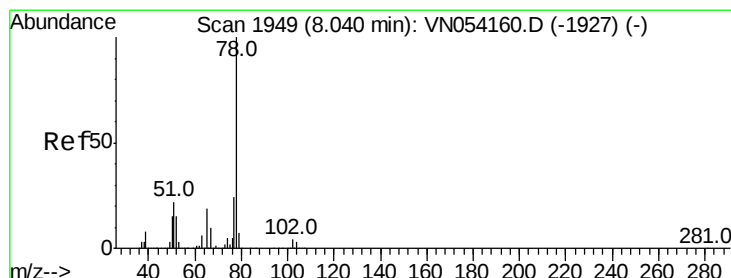
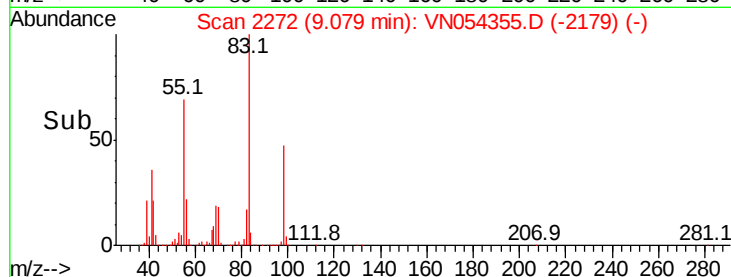
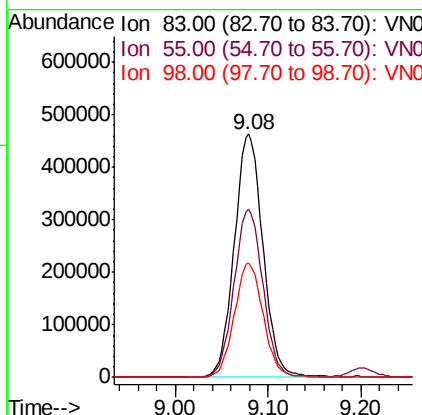
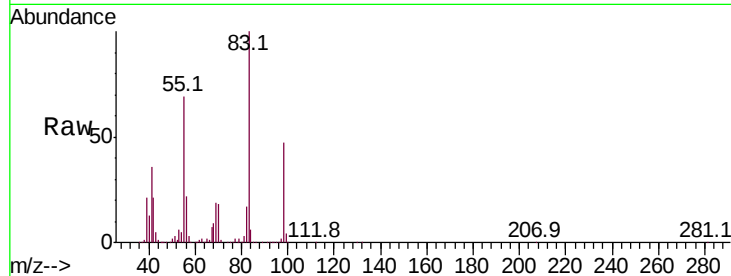
#39
Methvlcvclohexane
Concen: 47.269 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.3	56.6	84.8
98	47.2	38.4	57.6

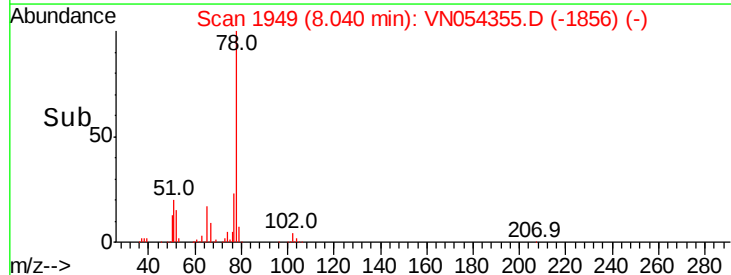
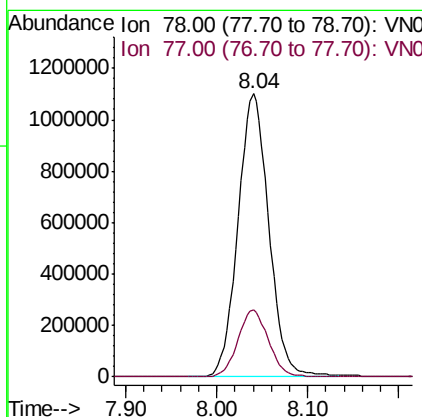
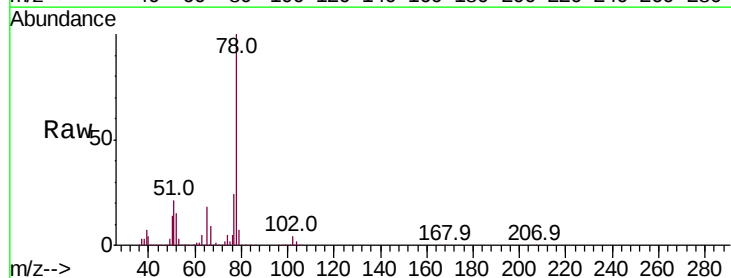
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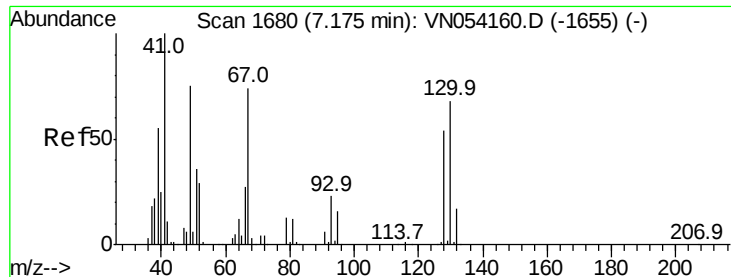
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#40
Benzene
Concen: 53.009 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





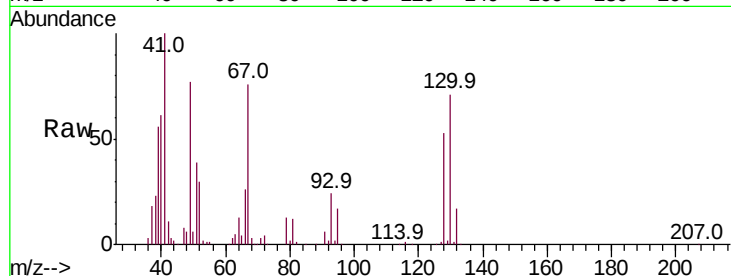
#41
Methacrylonitrile
Concen: 53.050 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.5	46.8	70.2
67	85.1	67.0	100.4
52	33.8	26.5	39.7

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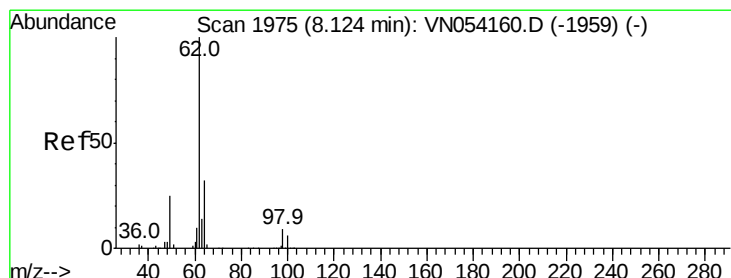
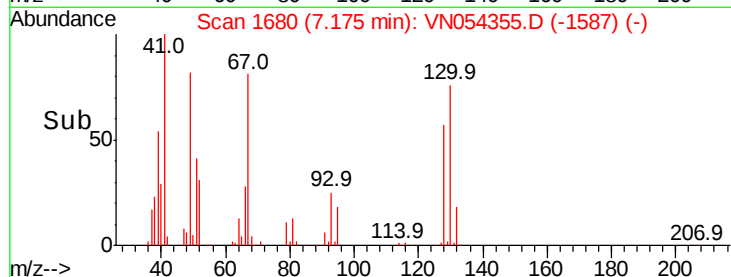
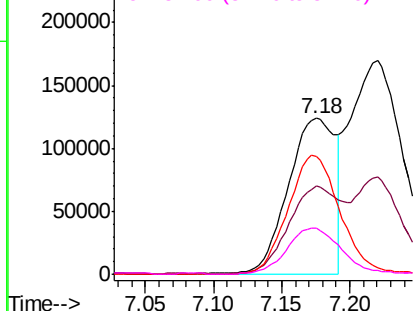
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

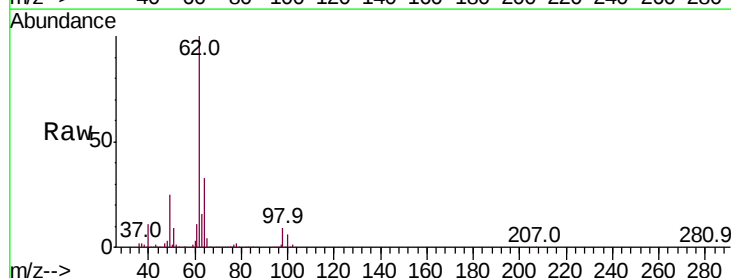
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 53.091 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

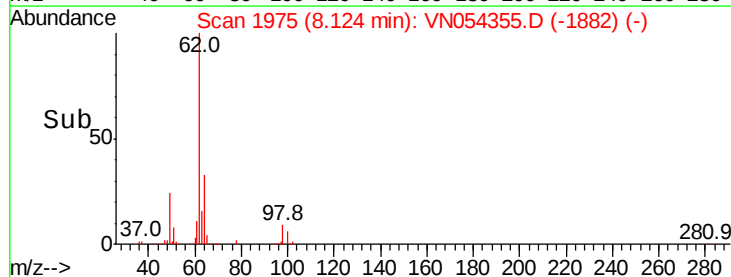
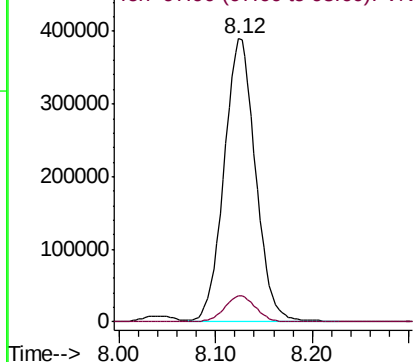
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4

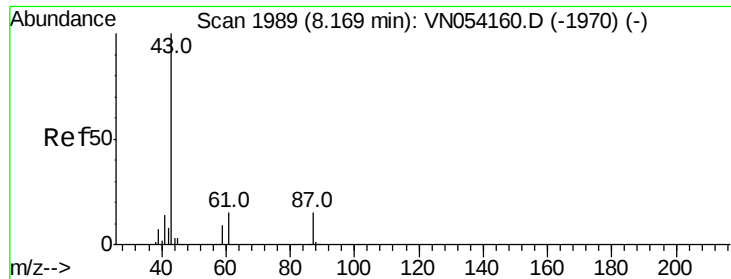


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 51.641 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

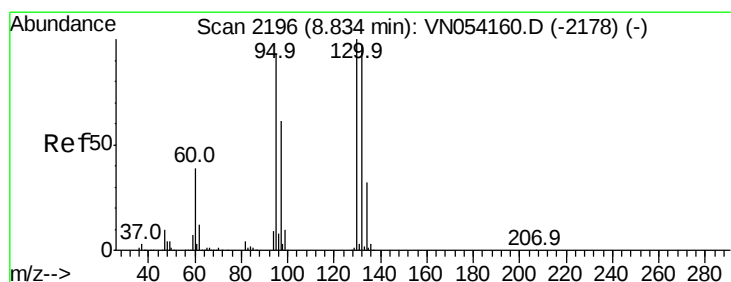
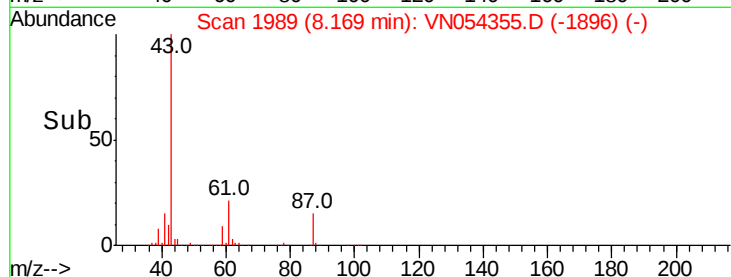
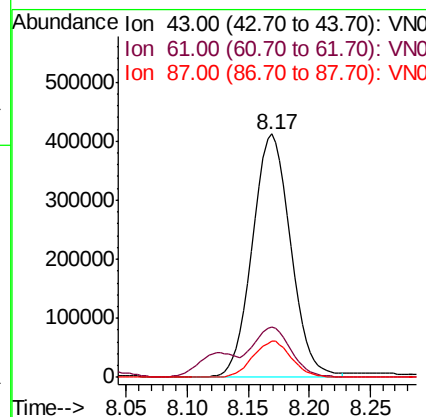
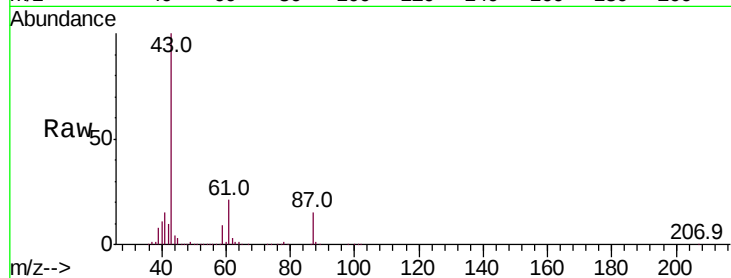
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	890458
Ion	Ratio	Lower	Upper
43	100		
61	20.4	15.8	23.8
87	15.0	12.0	18.0

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#44

Trichloroethene

Concen: 52.039 ug/l

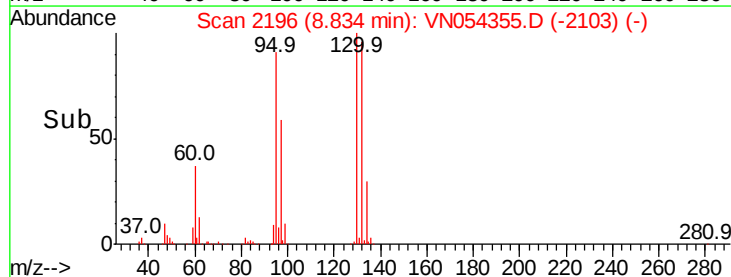
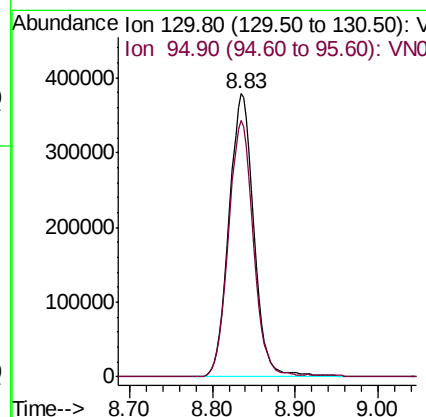
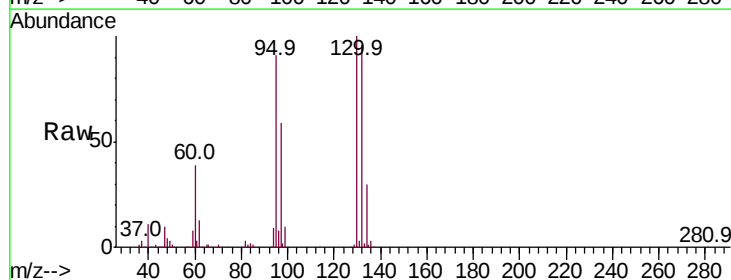
RT: 8.83 min Scan# 2196

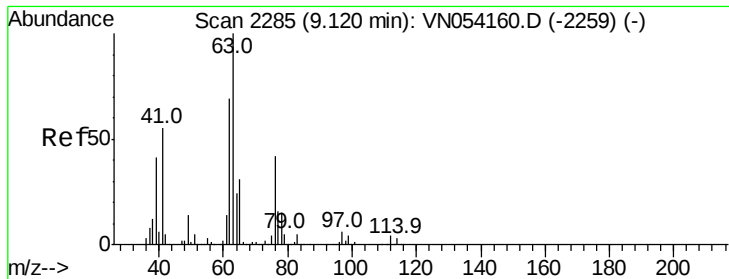
Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Tgt Ion:	130	Resp:	790907
Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	185.2





#45

1,2-Dichloropropane

Concen: 55.036 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 668595

Ion Ratio Lower Upper

63 100

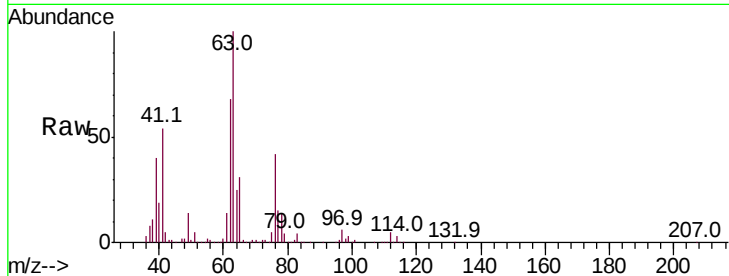
65 30.8 25.0 37.6

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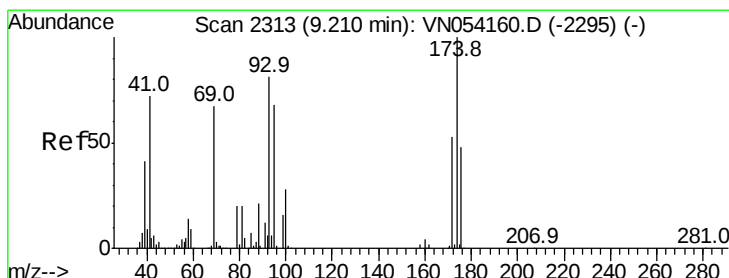
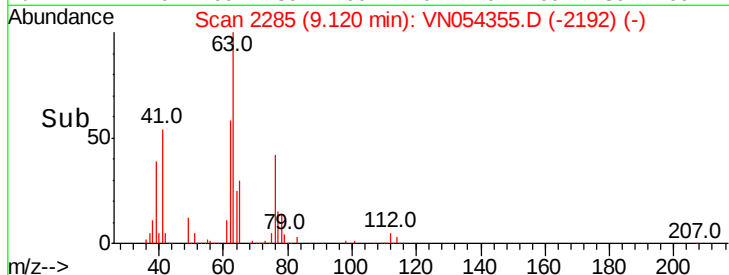
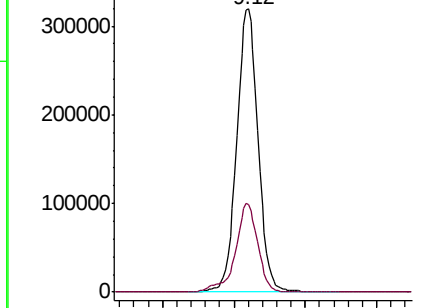
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.797 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

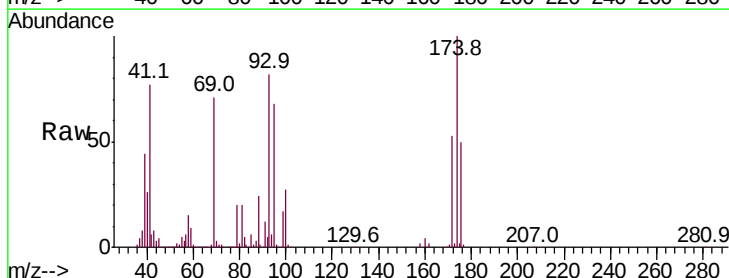
Tgt Ion: 93 Resp: 433369

Ion Ratio Lower Upper

93 100

95 83.4 66.7 100.1

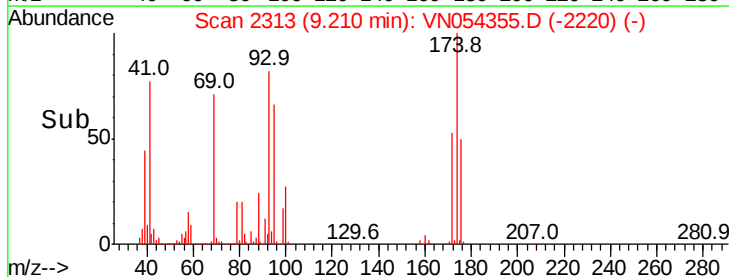
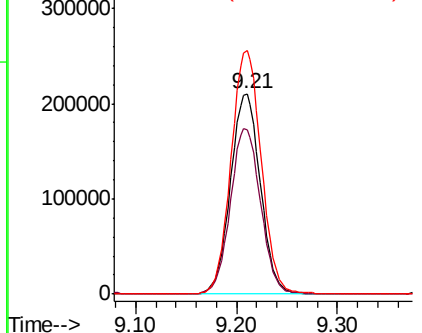
174 122.9 98.5 147.7

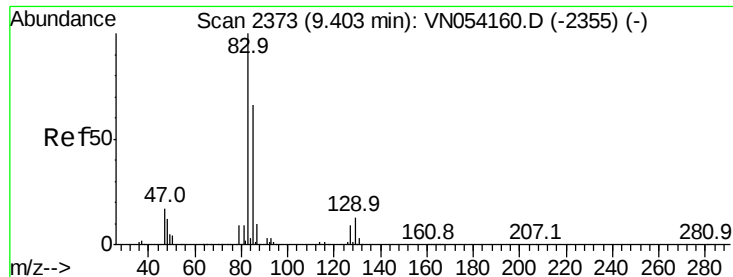


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.392 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

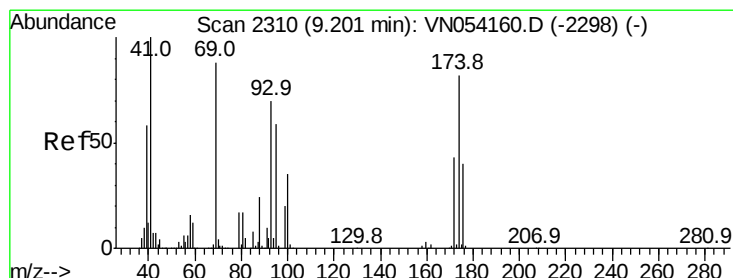
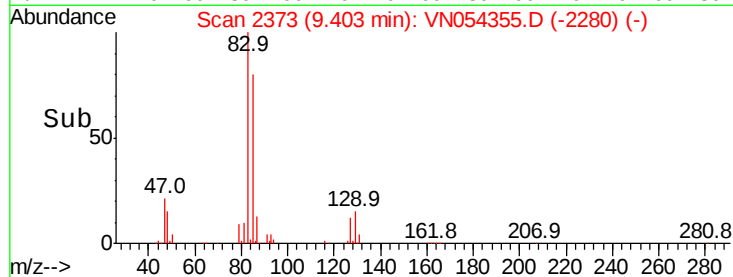
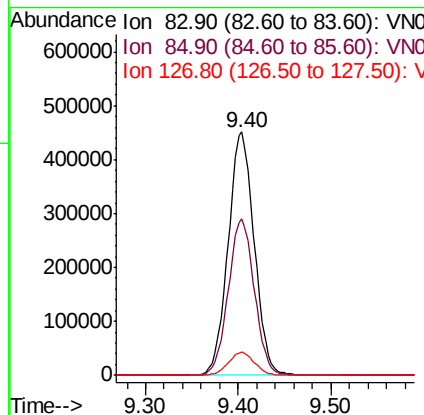
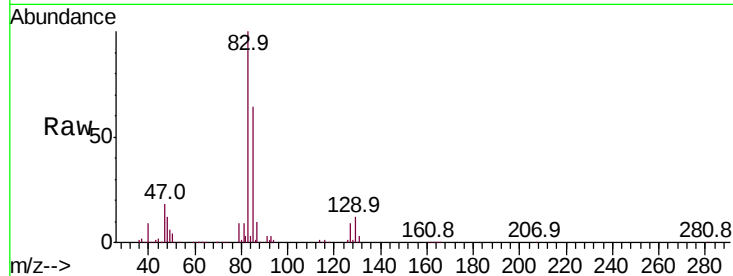
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	878578
Ion Ratio	Lower	Upper	
83	100		
85	64.1	52.8	79.2
127	9.4	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.022 ug/l

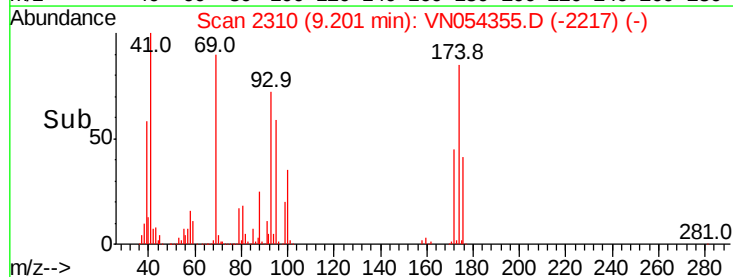
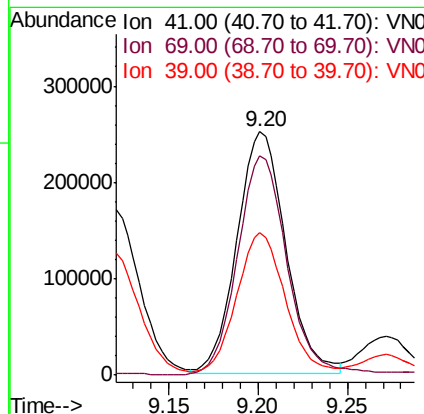
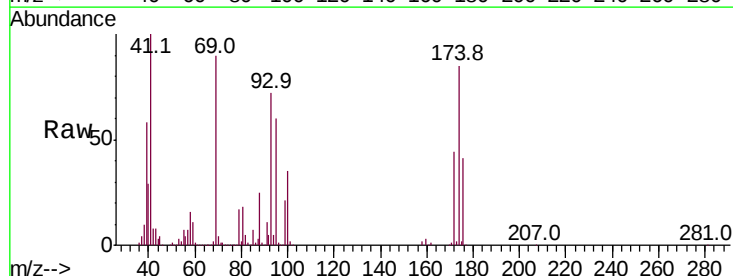
RT: 9.20 min Scan# 2310

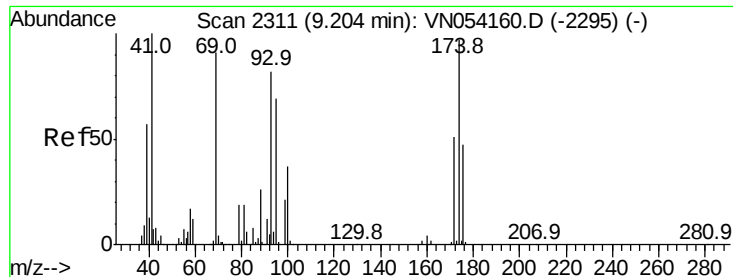
Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Tgt Ion:	41	Resp:	481476
Ion Ratio	Lower	Upper	
41	100		
69	92.3	72.6	108.8
39	58.6	47.5	71.3





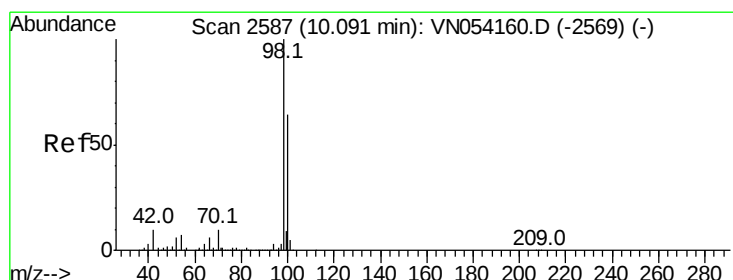
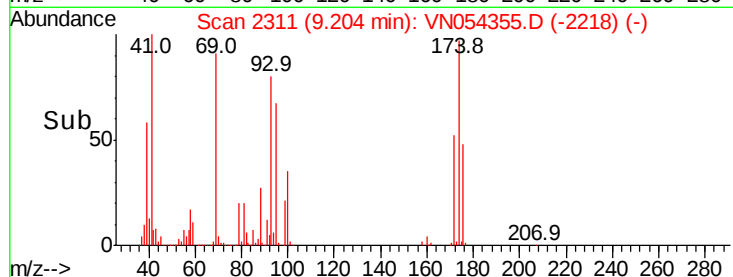
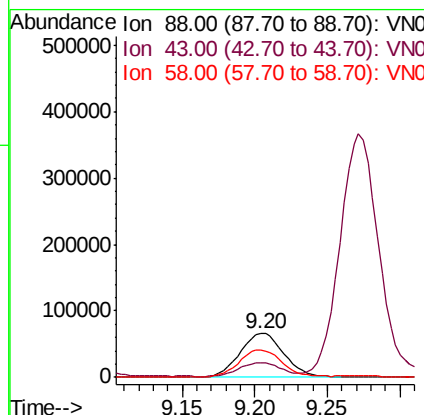
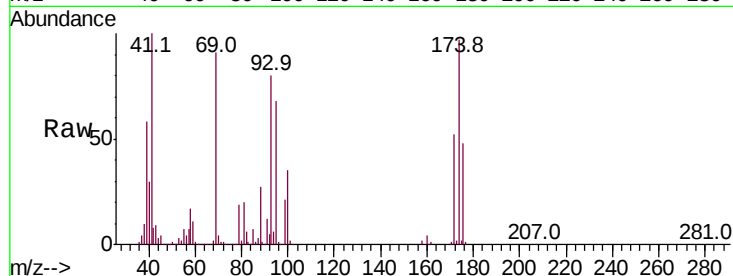
#49
1,4-Dioxane
Concen: 1125.171 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	24.1	36.1
58	62.4	50.8	76.2

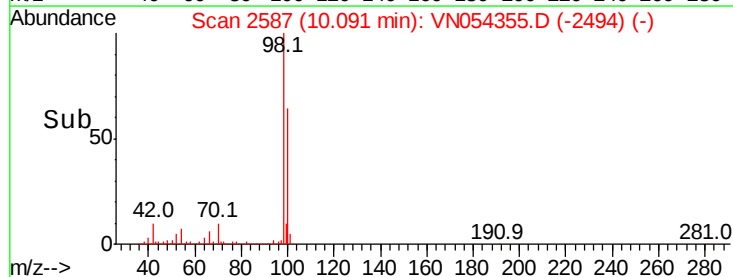
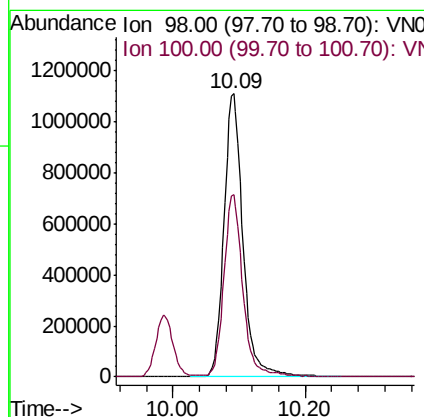
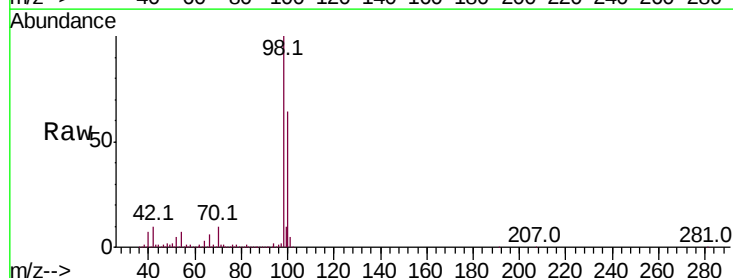
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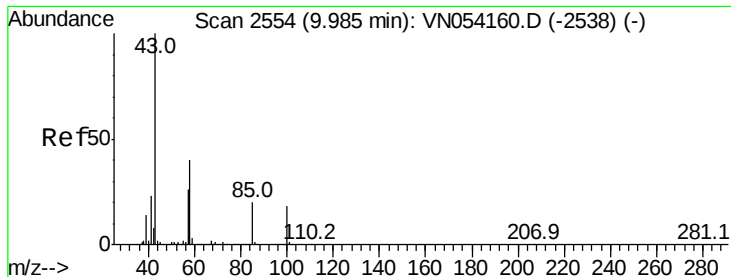
MMDadoda
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#50
Toluene-d8
Concen: 49.897 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 287.461 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2623147

Ion Ratio Lower Upper

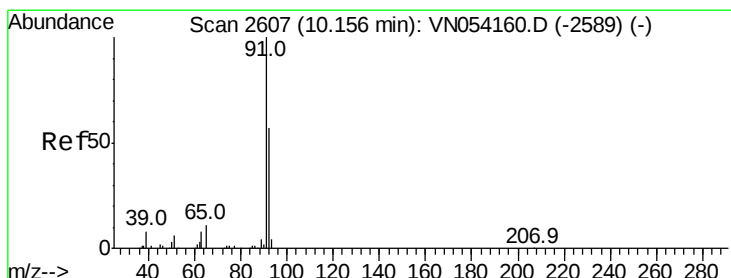
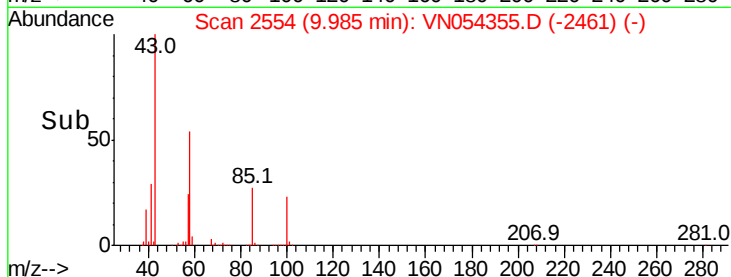
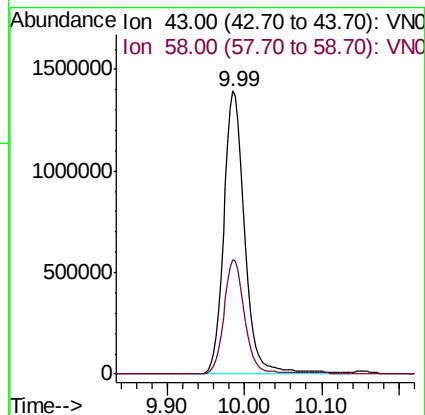
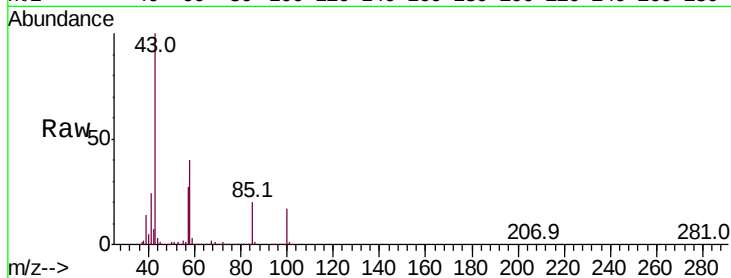
43 100

58 39.8 31.8 47.6

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#52

Toluene

Concen: 53.330 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054355.D

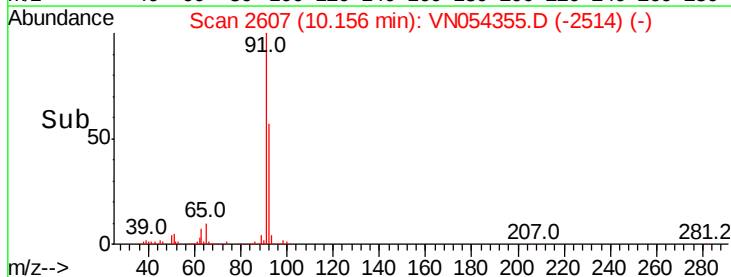
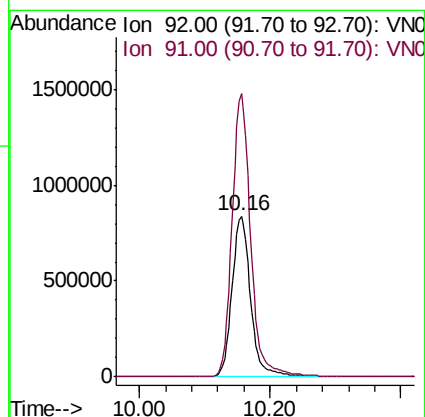
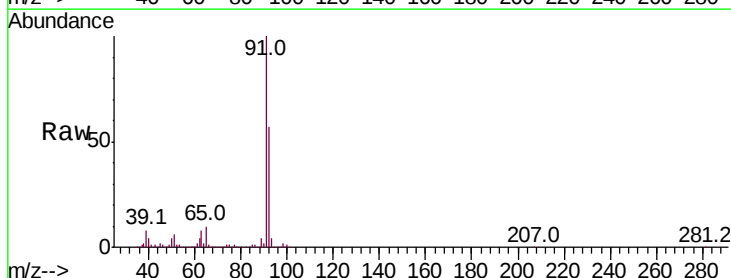
Acq: 17 Mar 2019 00:03

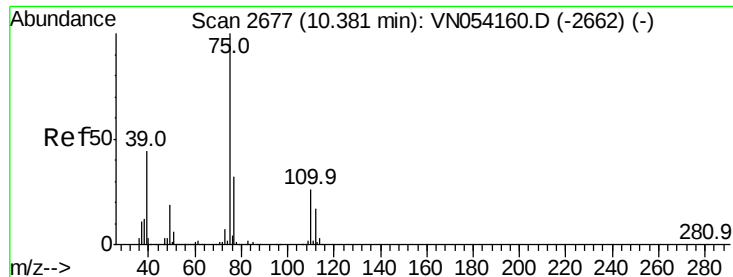
Tgt Ion: 92 Resp: 1654373

Ion Ratio Lower Upper

92 100

91 175.8 140.7 211.1





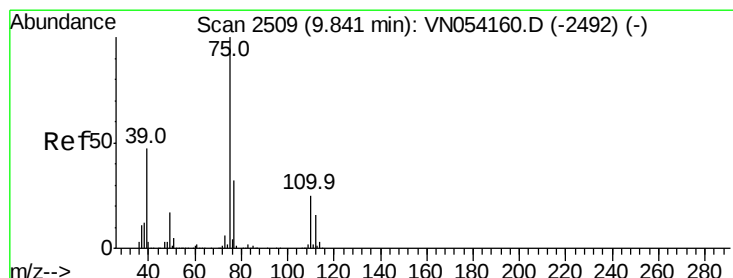
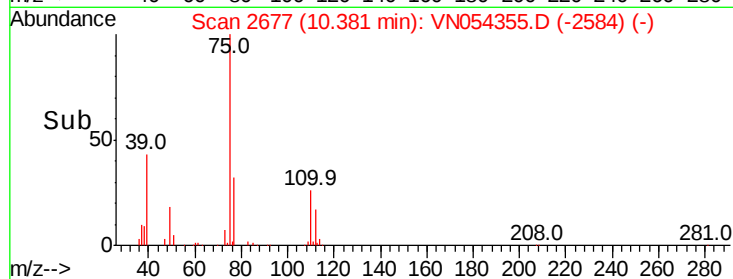
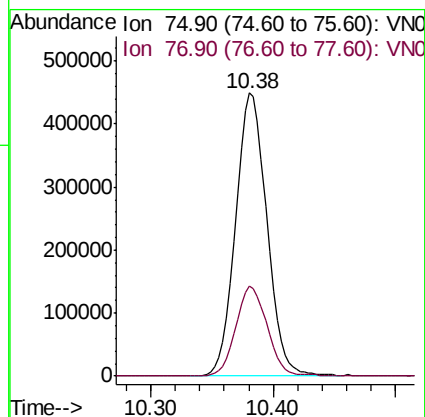
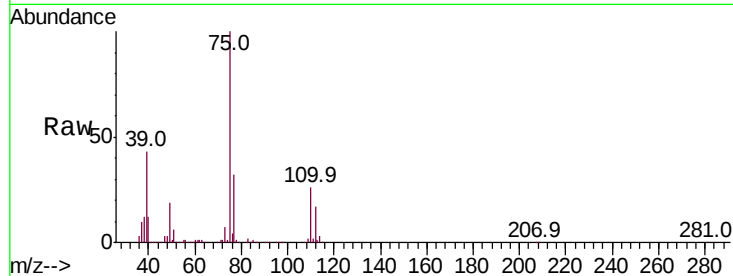
#53
t-1,3-Dichloropropene
Concen: 42.738 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.8	38.8

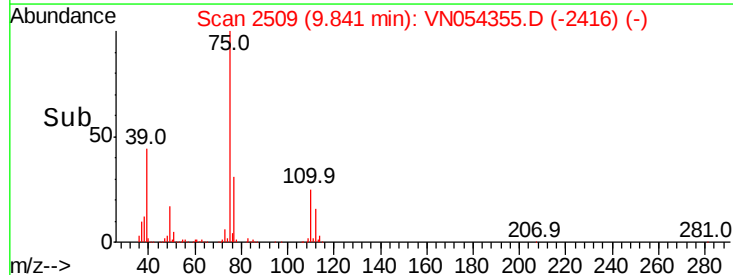
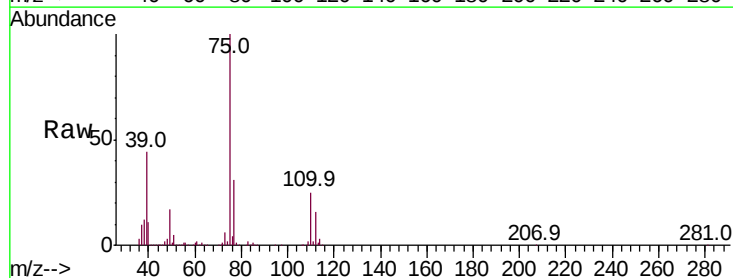
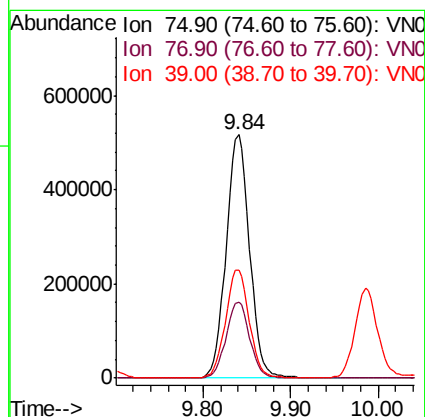
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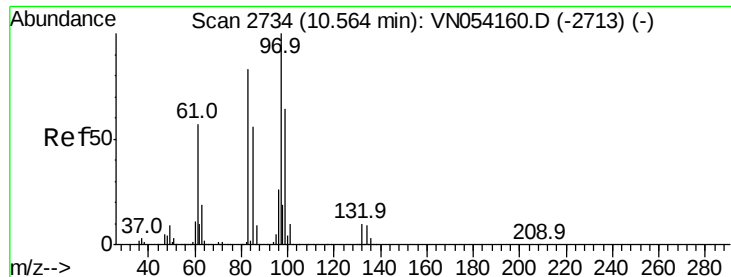
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#54
cis-1,3-Dichloropropene
Concen: 50.076 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0
39	44.4	37.2	55.8





#55

1,1,2-Trichloroethane

Concen: 55.260 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

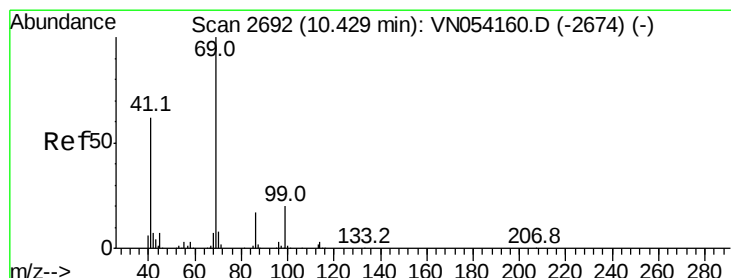
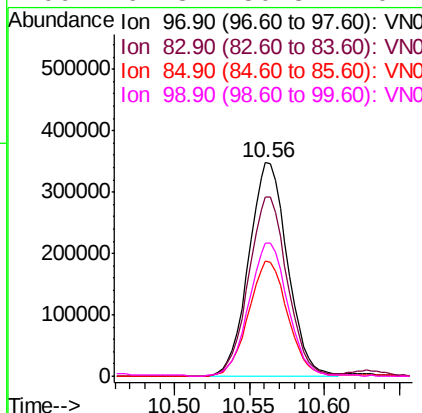
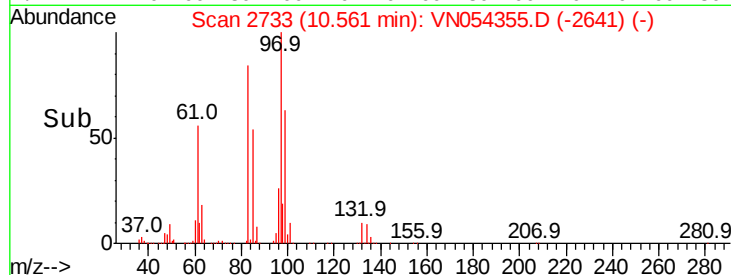
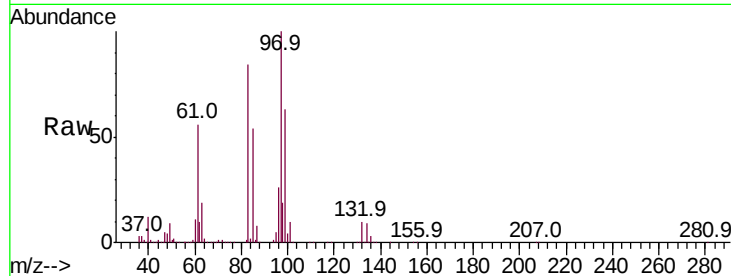
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	625935
Ion	Ratio	Lower	Upper
97	100		
83	84.0	66.6	100.0
85	53.7	44.4	66.6
99	62.3	50.8	76.2

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#56

Ethyl methacrylate

Concen: 55.101 ug/l

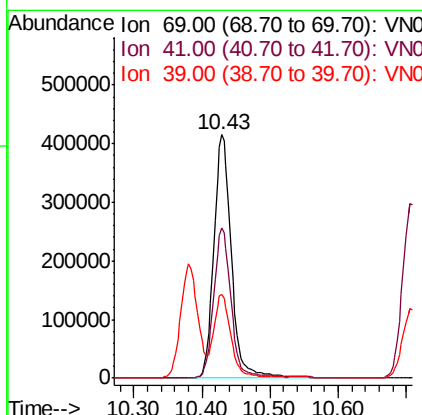
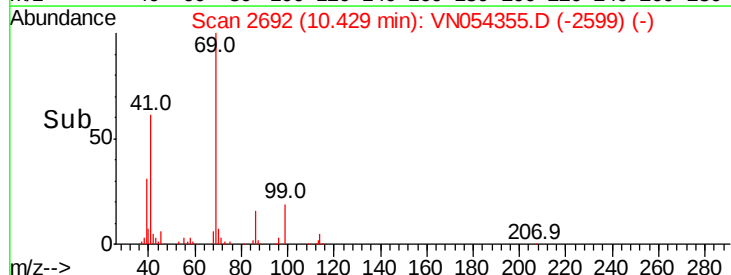
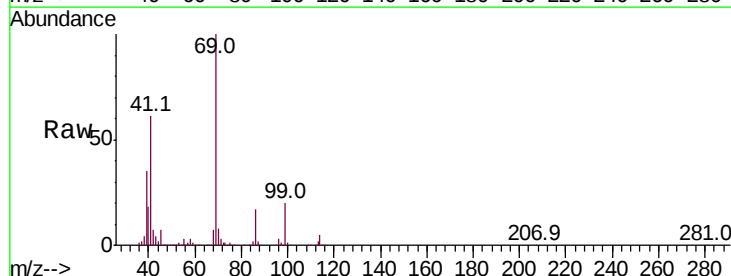
RT: 10.43 min Scan# 2692

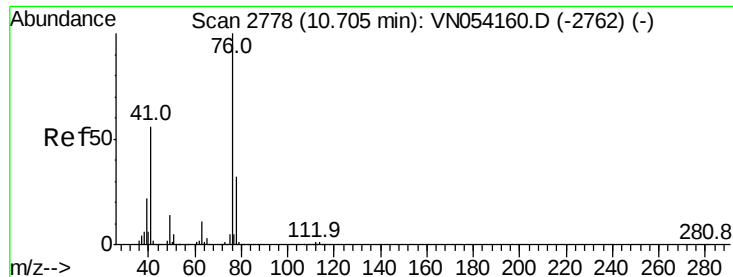
Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Tgt Ion:	69	Resp:	744202
Ion	Ratio	Lower	Upper
69	100		
41	61.2	49.4	74.2
39	33.4	28.3	42.5





#57

1,3-Dichloropropane

Concen: 54.757 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1014177

Ion Ratio Lower Upper

76 100

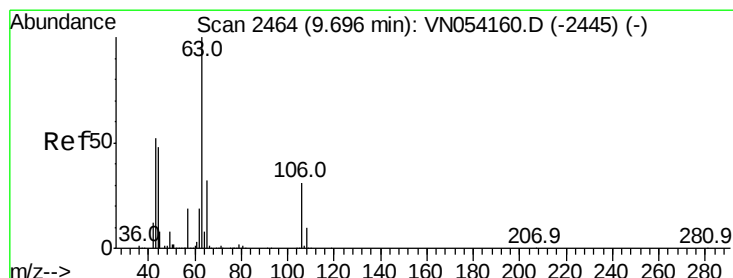
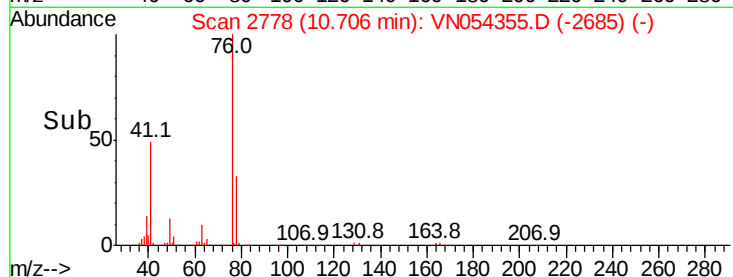
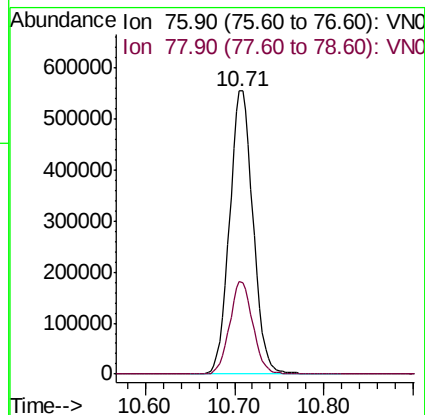
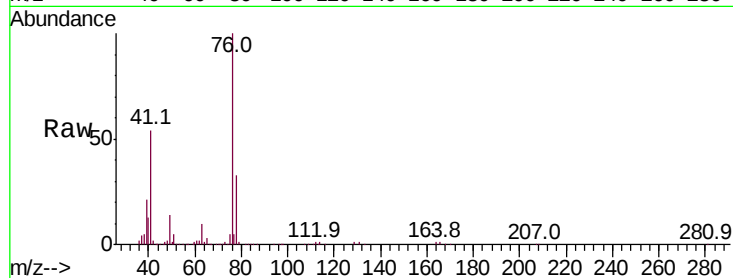
78 32.3 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 239.353 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054355.D

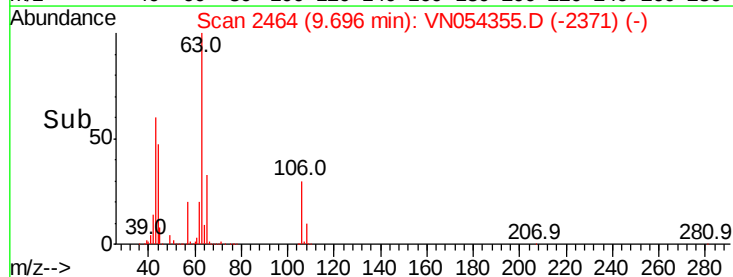
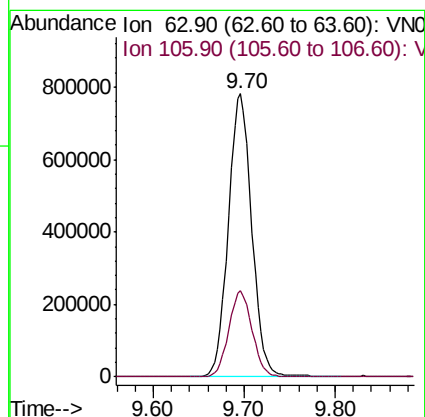
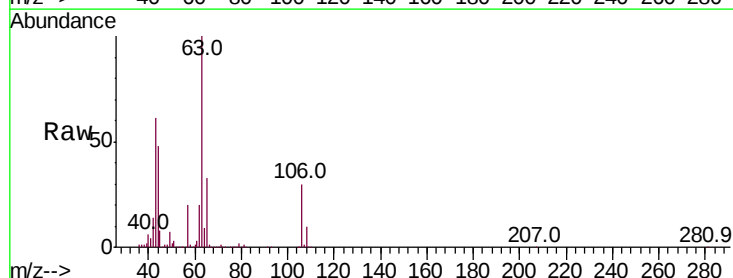
Acq: 17 Mar 2019 00:03

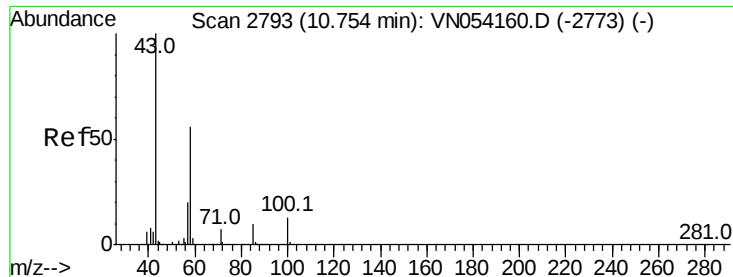
Tgt Ion: 63 Resp: 1397989

Ion Ratio Lower Upper

63 100

106 30.4 24.4 36.6





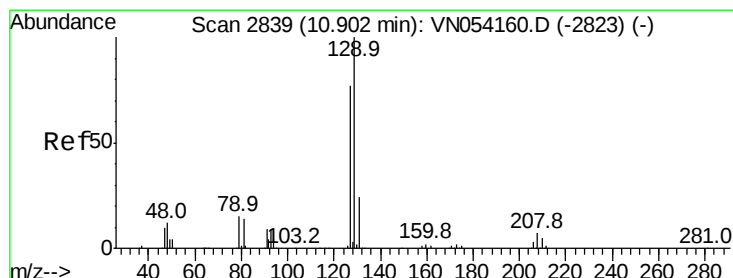
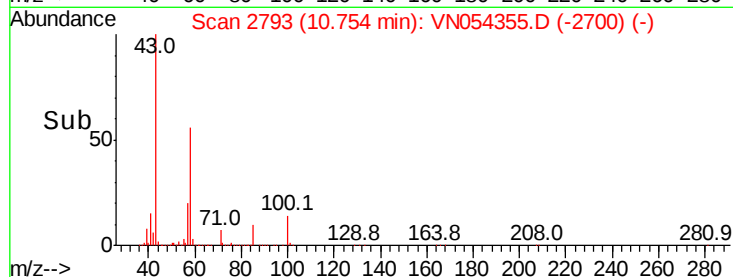
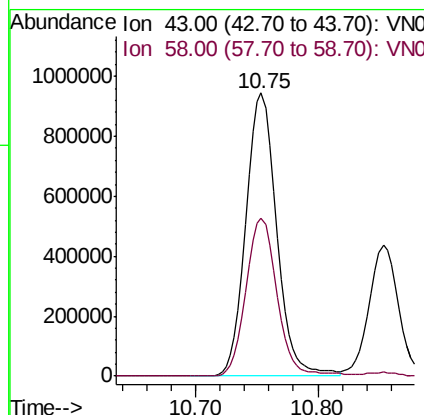
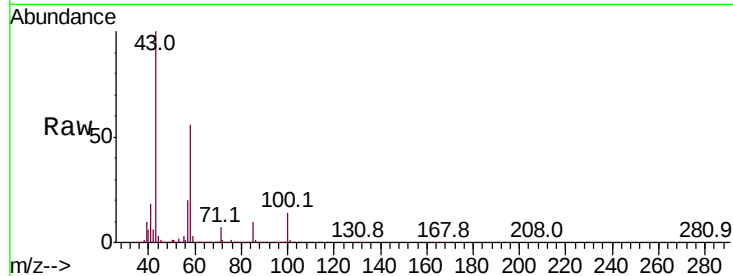
#59
2-Hexanone
Concen: 269.542 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1636632
Ion Ratio Lower Upper
43 100
58 56.7 28.0 83.9

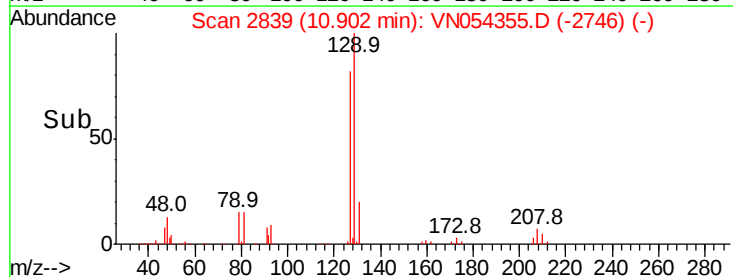
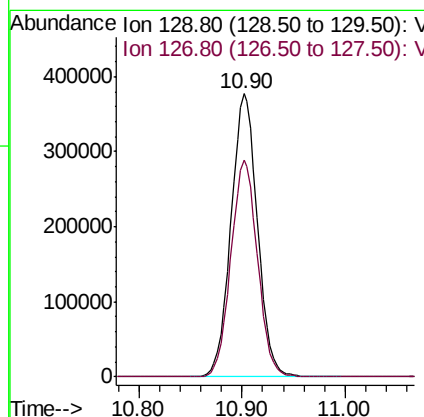
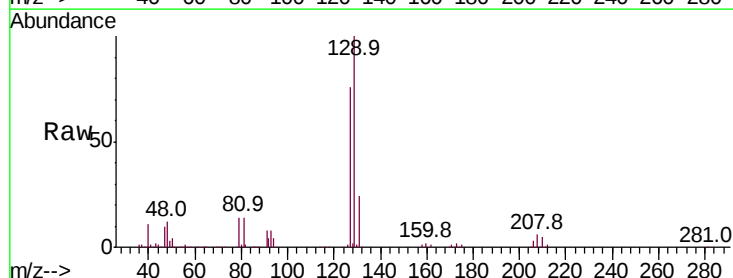
Manual Integrations
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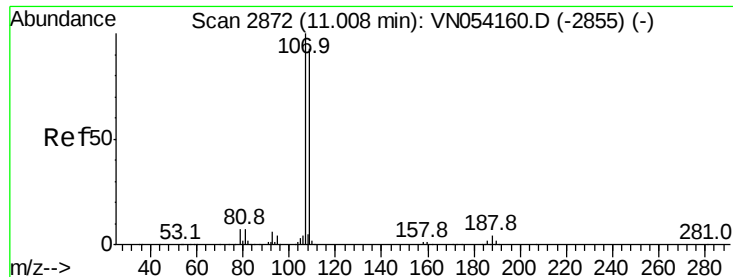
MMDadoda
3/18/2019 11:28:39 AM



#60
Dibromochloromethane
Concen: 52.861 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Tgt Ion: 129 Resp: 673935
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





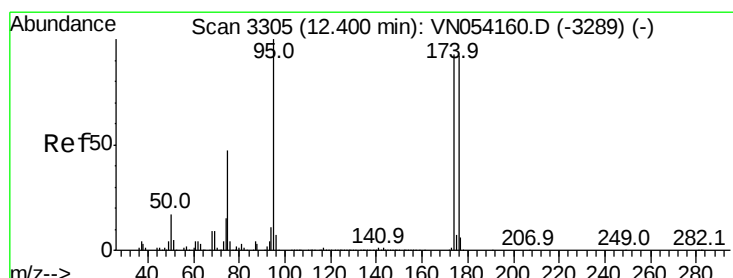
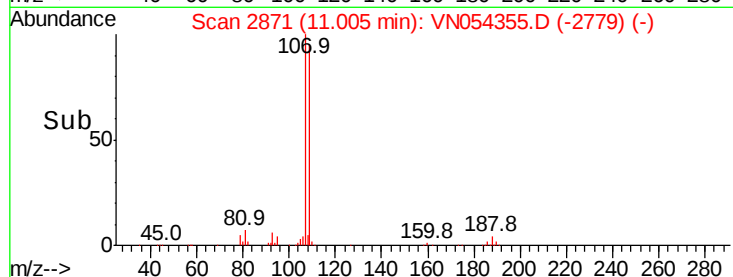
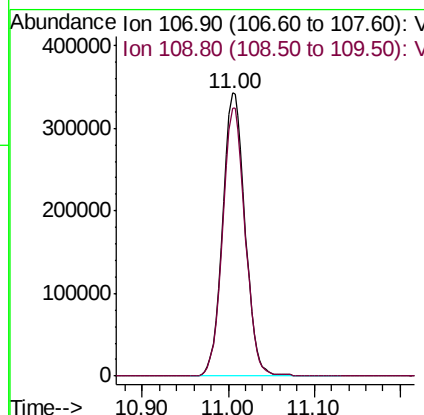
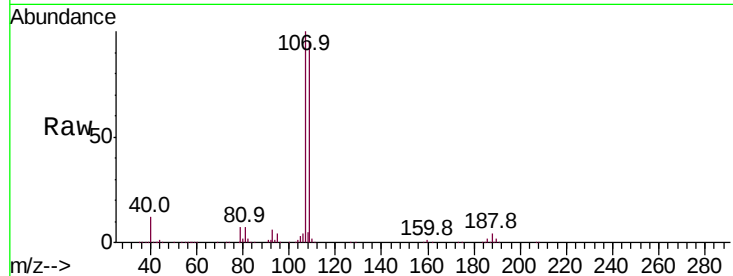
#61
 1,2-Dibromoethane
 Concen: 54.120 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054355.D
 Acq: 17 Mar 2019 00:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.9	113.9

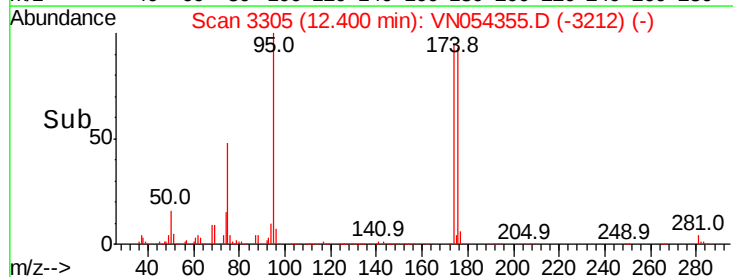
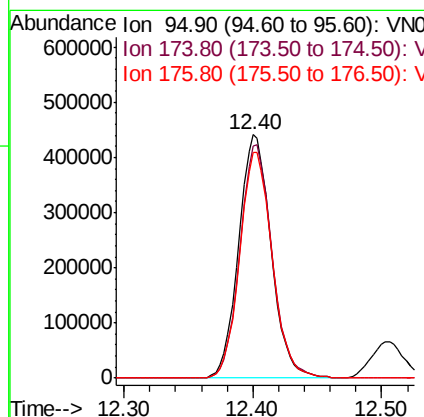
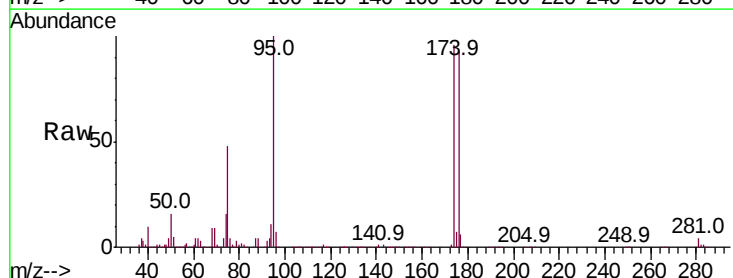
Manual Integrations
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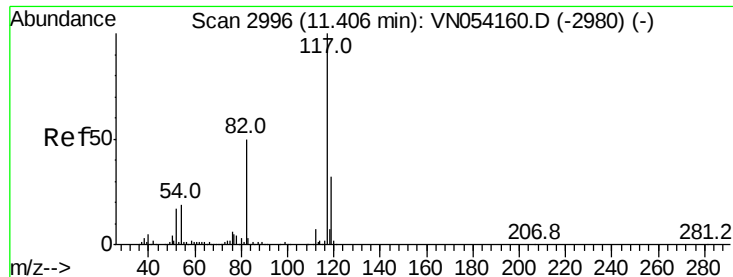
MMDadoda
 3/18/2019 11:28:39 AM



#62
 4-Bromofluorobenzene
 Concen: 49.904 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054355.D
 Acq: 17 Mar 2019 00:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.1	0.0	191.0
176	93.0	0.0	187.4





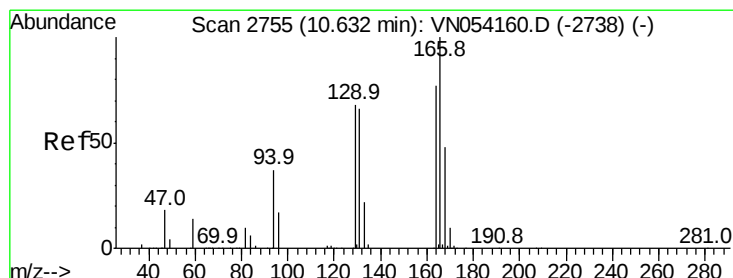
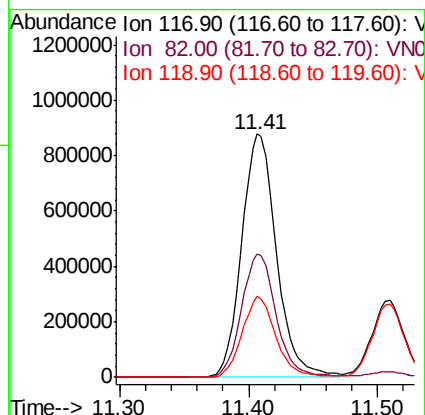
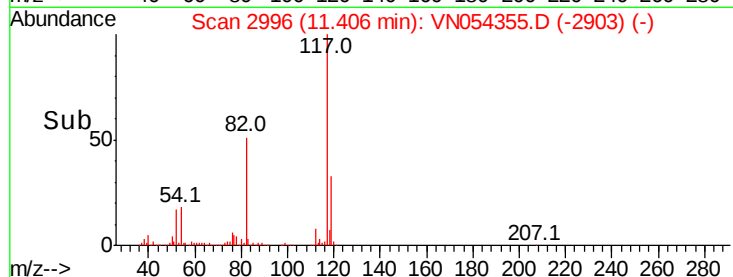
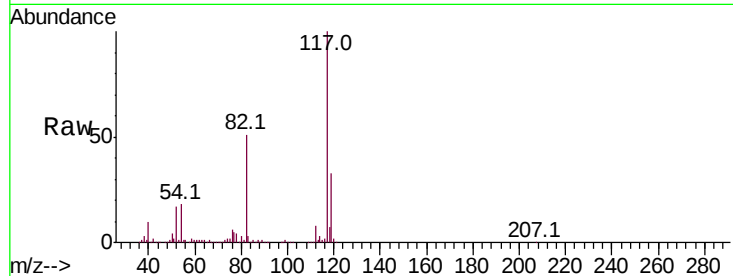
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1647736
Ion Ratio Lower Upper
117 100
82 50.6 40.0 60.0
119 33.1 25.8 38.6

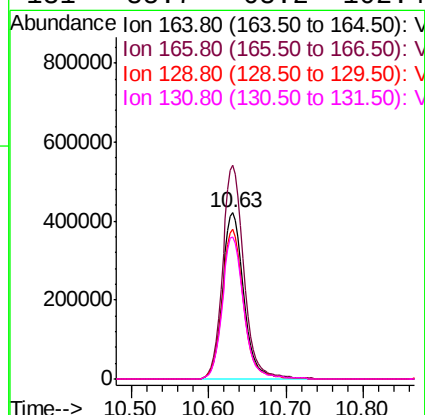
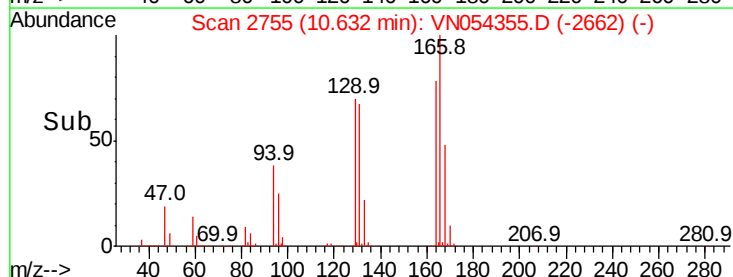
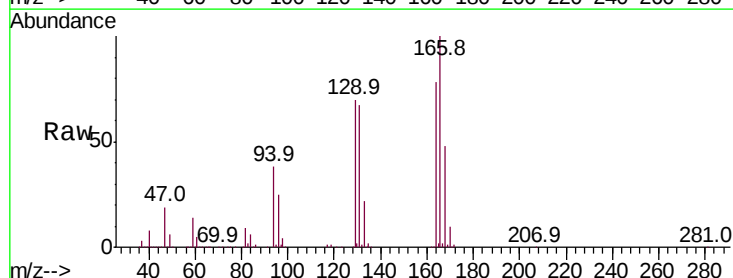
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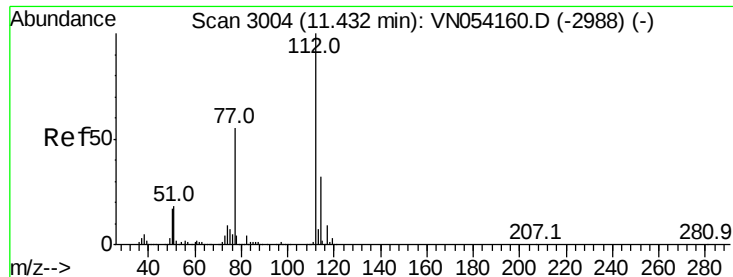
MMDadoda
3/18/2019 11:28:39 AM



#64
Tetrachloroethene
Concen: 51.043 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Tgt Ion:164 Resp: 813176
Ion Ratio Lower Upper
164 100
166 128.4 103.9 155.9
129 89.8 71.1 106.7
131 85.7 68.2 102.4





#65

Chlorobenzene

Concen: 53.033 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1918741

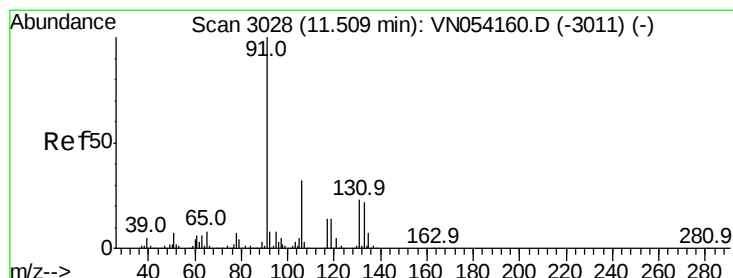
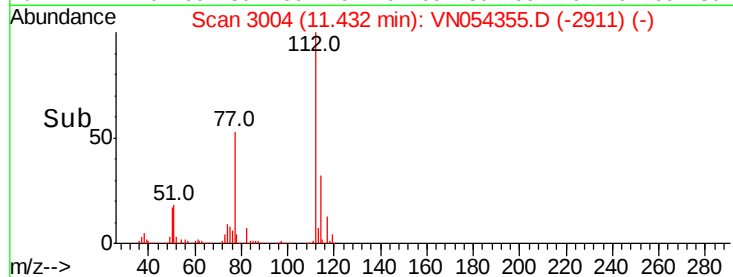
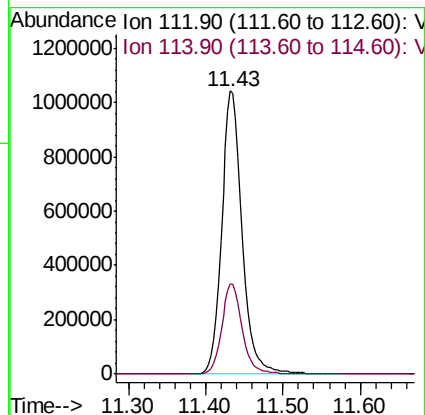
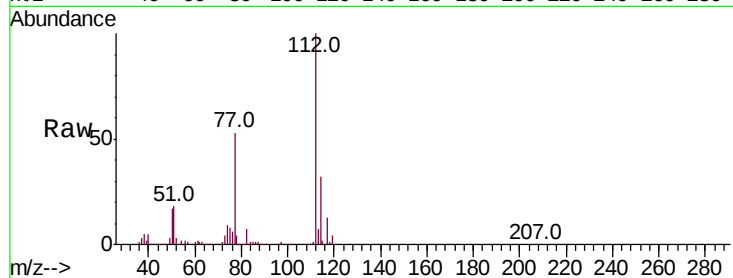
Ion Ratio Lower Upper

112 100

114 31.8 25.9 38.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 53.648 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

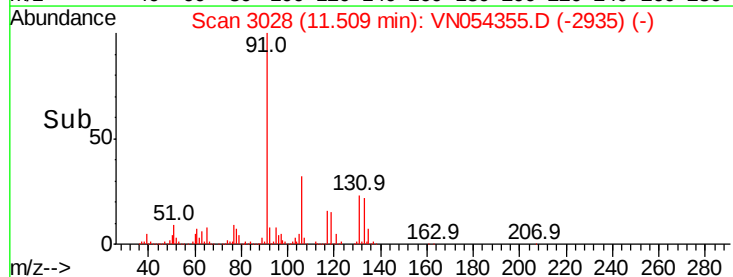
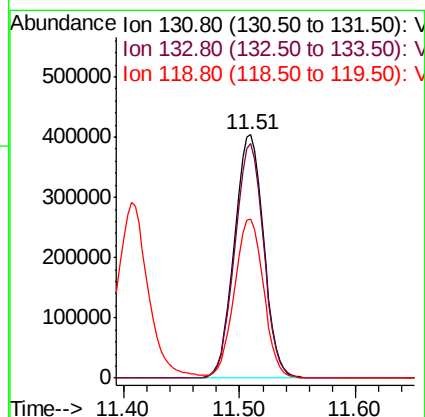
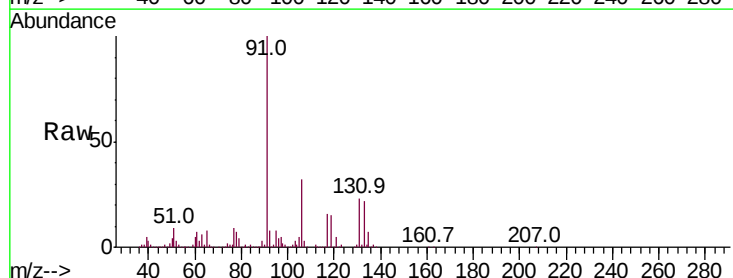
Tgt Ion:131 Resp: 705108

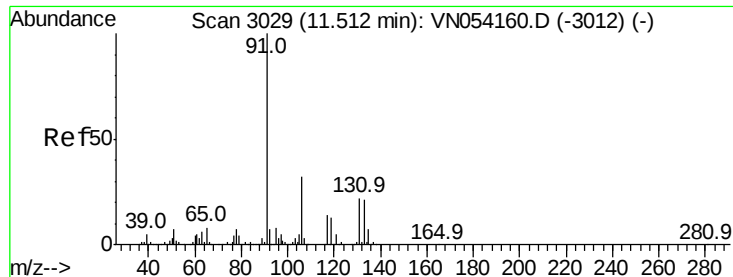
Ion Ratio Lower Upper

131 100

133 94.8 47.6 142.9

119 65.0 32.4 97.0





#67

Ethyl Benzene

Concen: 52.217 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 3131656

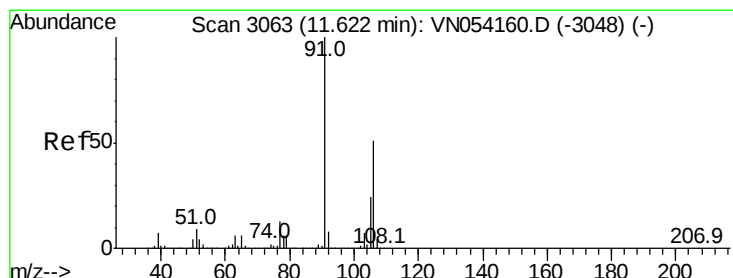
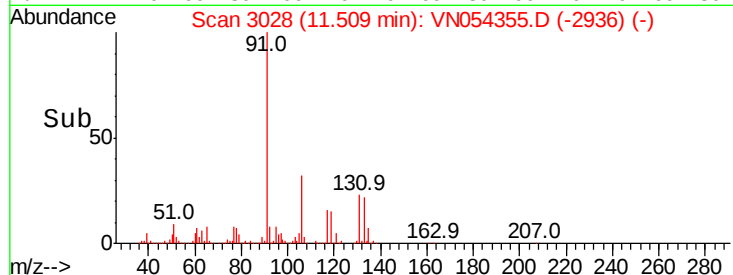
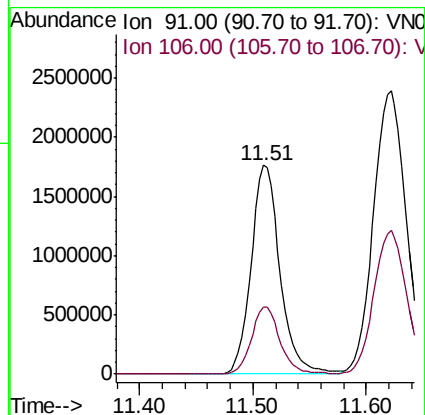
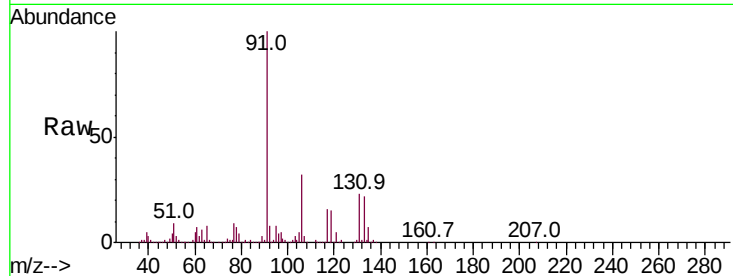
Ion Ratio Lower Upper

91 100

106 32.2 25.5 38.3

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#68

m/p-Xylenes

Concen: 105.561 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054355.D

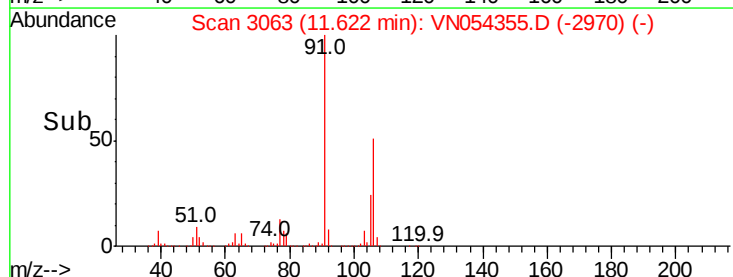
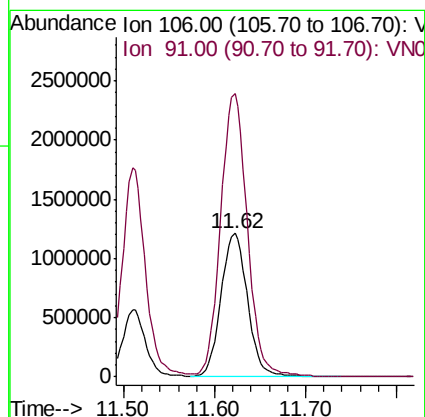
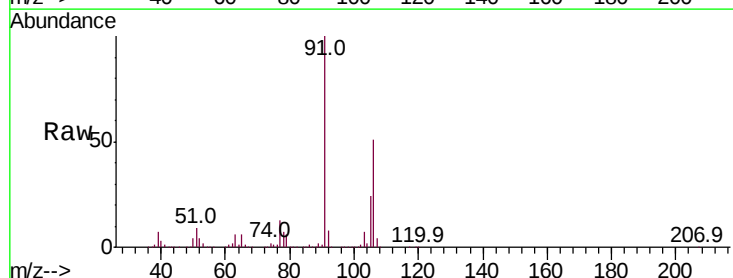
Acq: 17 Mar 2019 00:03

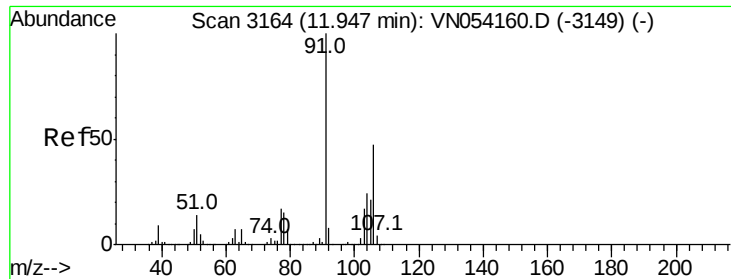
Tgt Ion: 106 Resp: 2474429

Ion Ratio Lower Upper

106 100

91 198.0 159.4 239.2





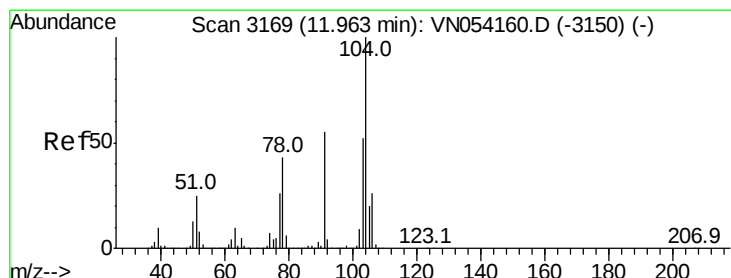
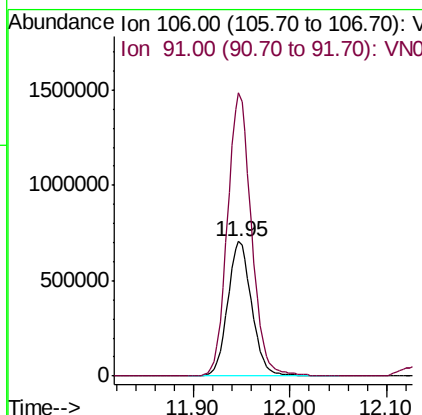
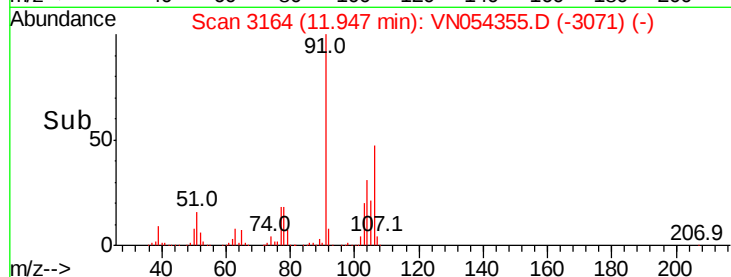
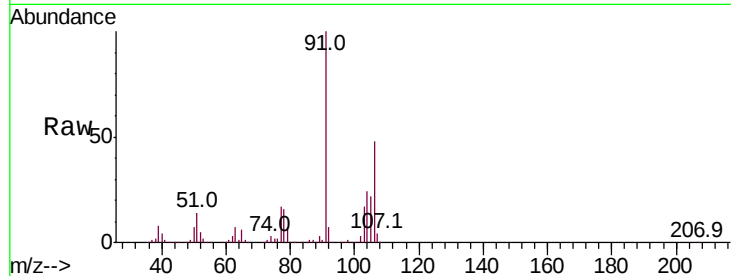
#69
o-Xylene
Concen: 53.405 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1220342
Ion Ratio Lower Upper
106 100
91 209.6 105.7 317.1

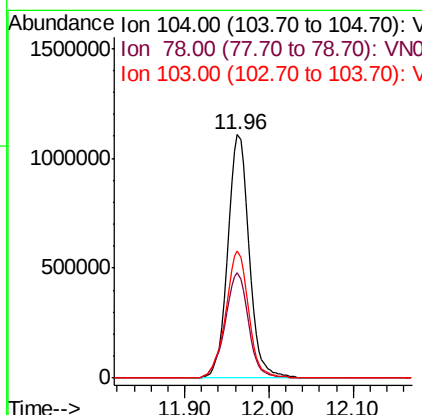
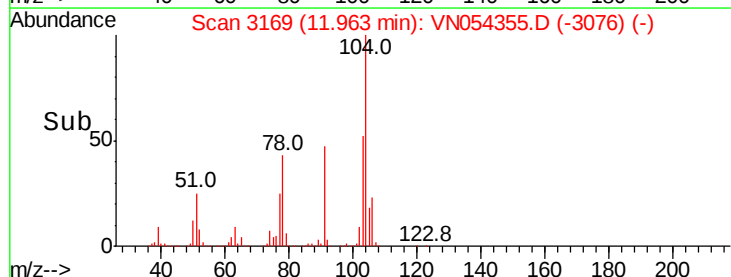
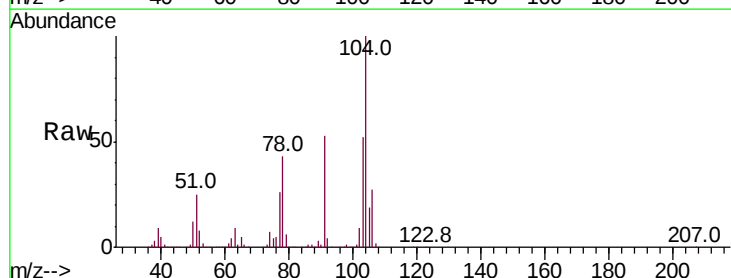
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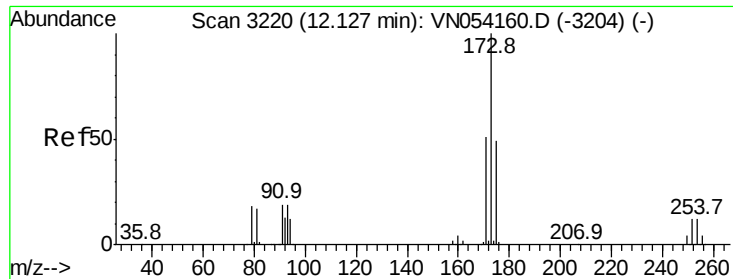
MMDadoda
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#70
Styrene
Concen: 54.259 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Tgt Ion:104 Resp: 1944517
Ion Ratio Lower Upper
104 100
78 47.4 38.2 57.2
103 56.0 44.4 66.6





#71

Bromoform

Concen: 44.642 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

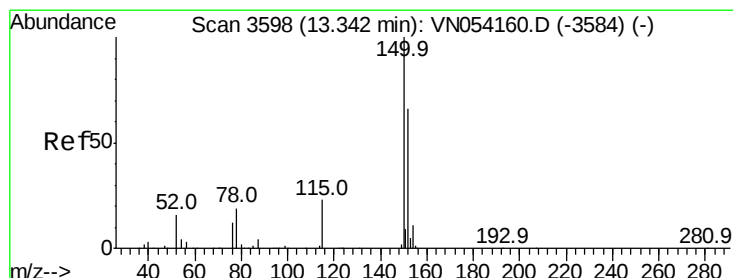
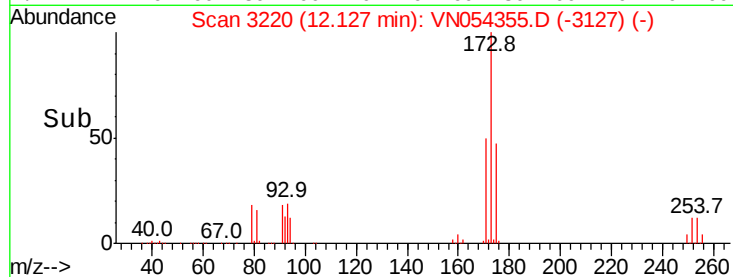
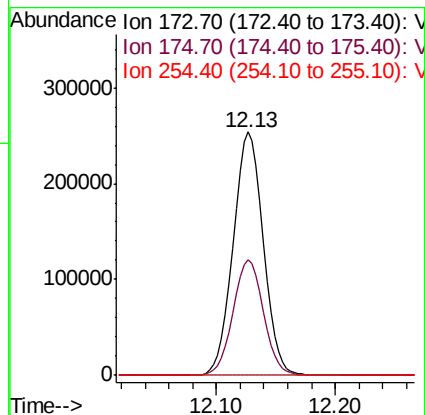
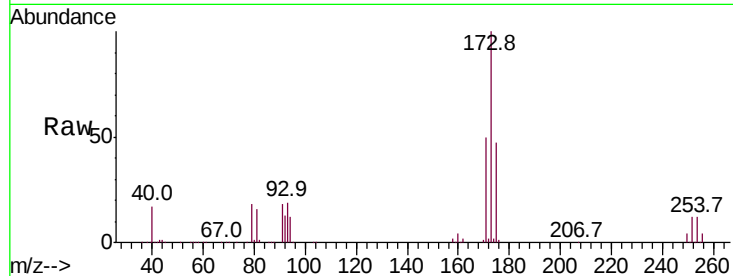
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.4	73.2
254	0.1	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

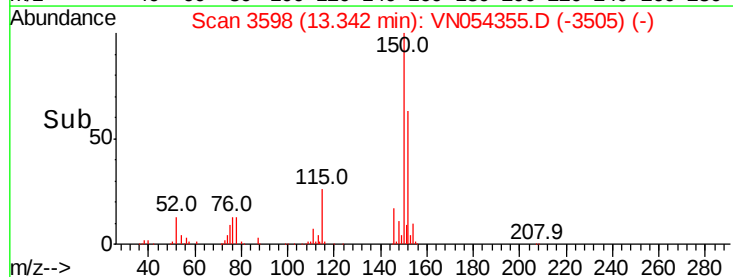
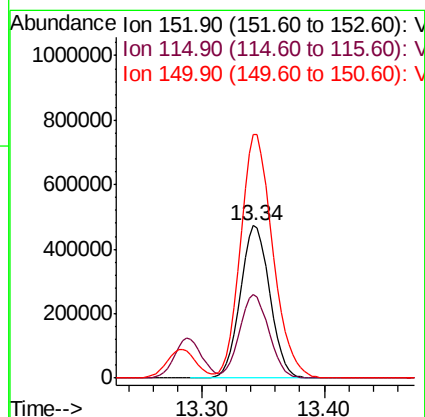
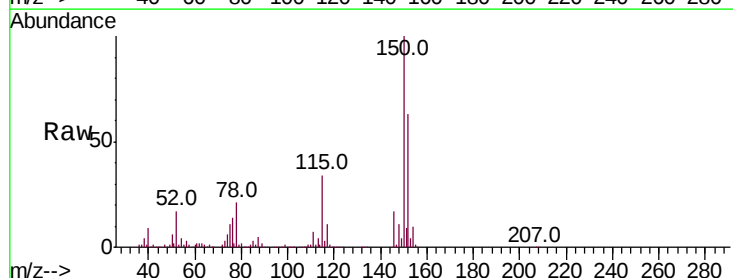
RT: 13.34 min Scan# 3598

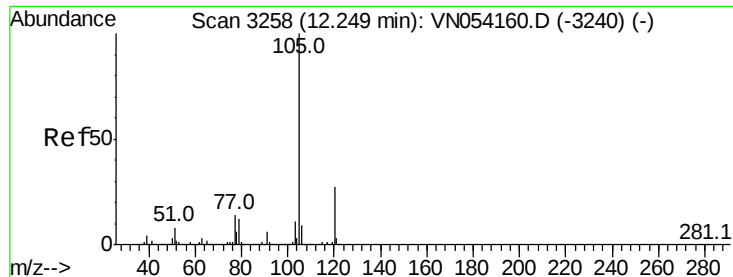
Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.2	81.6
150	175.3	0.0	349.2





#73

Isopropylbenzene

Concen: 50.782 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3190019

Ion Ratio Lower Upper

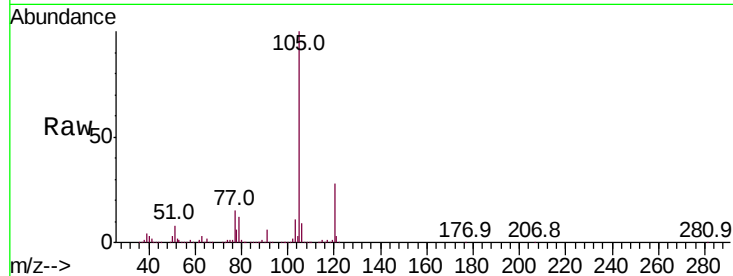
105 100

120 27.4 13.8 41.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

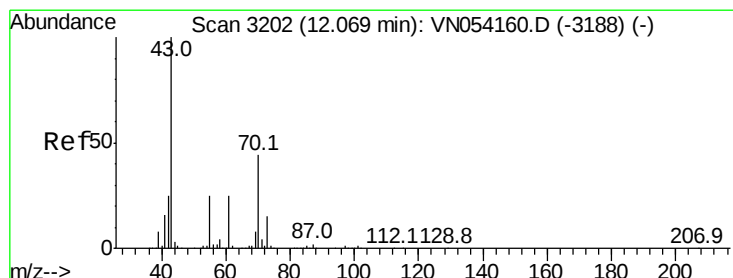
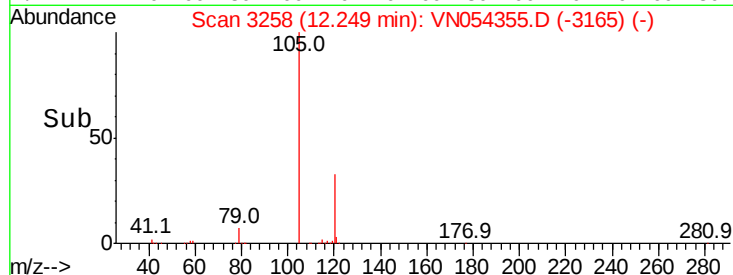
1000000

500000

0

12.20 12.30

Time-->



#74

N-ethyl acetate

Concen: 52.805 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Tgt Ion: 43 Resp: 736289

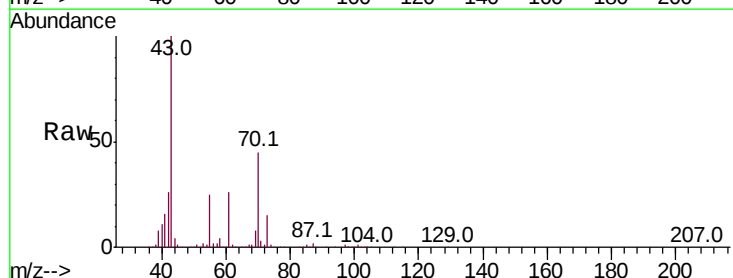
Ion Ratio Lower Upper

43 100

70 45.5 35.4 53.0

55 26.1 19.8 29.6

61 25.8 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

600000

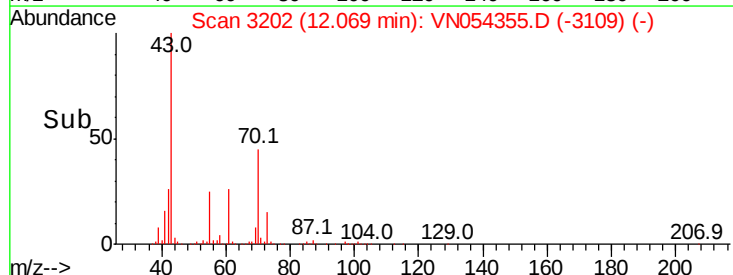
400000

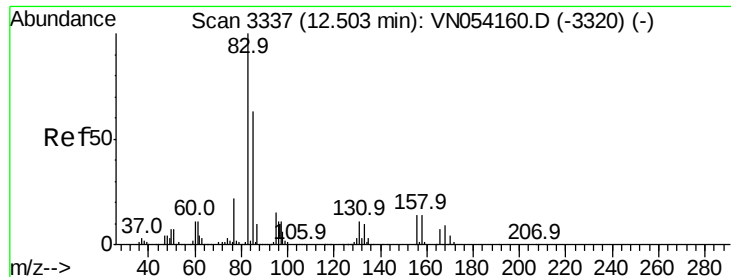
200000

0

12.00 12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.862 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 83 Resp: 720876

Ion Ratio Lower Upper

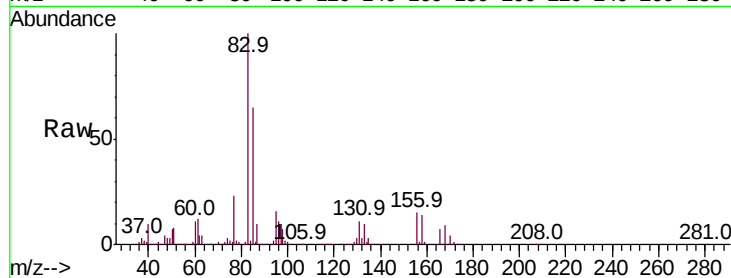
83 100

131 11.7 5.8 17.4

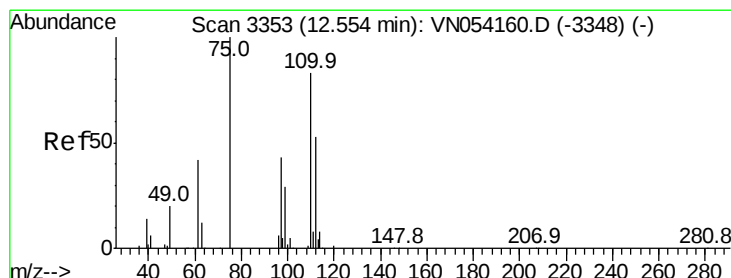
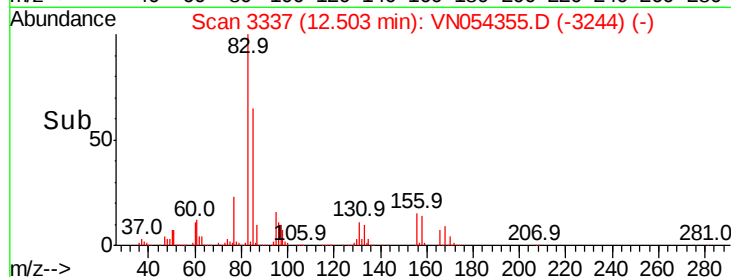
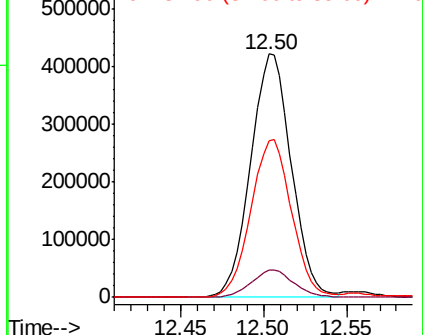
85 64.8 32.2 96.6

Manual Integrations
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3/18/2019 11:28:39 AM



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 55.530 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054355.D

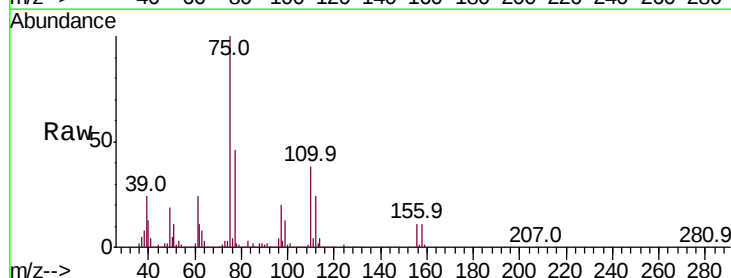
Acq: 17 Mar 2019 00:03

Tgt Ion: 75 Resp: 641161

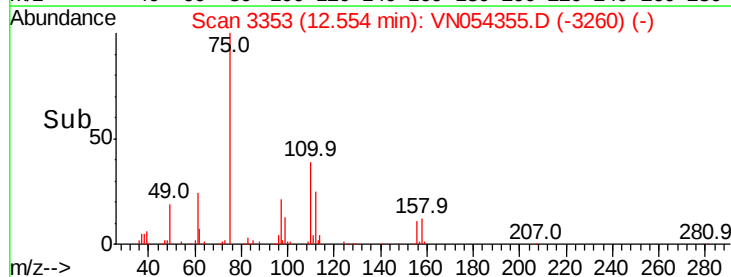
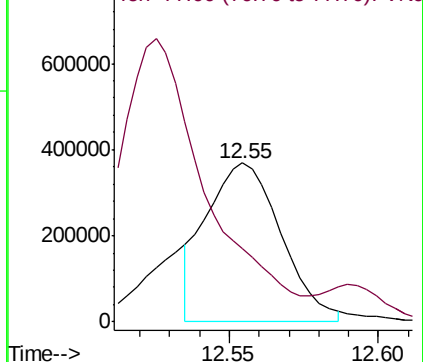
Ion Ratio Lower Upper

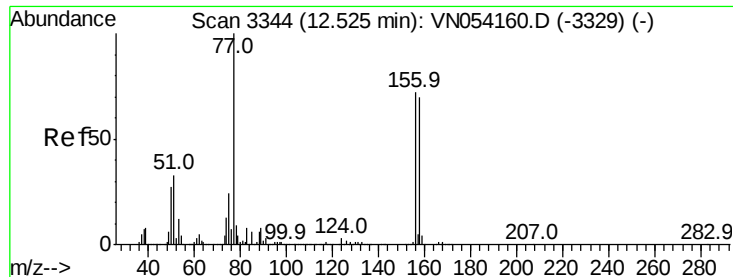
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 51.829 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

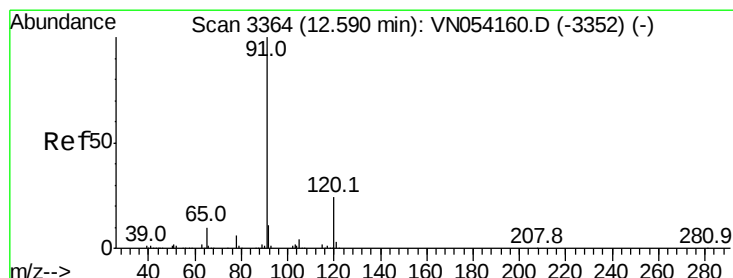
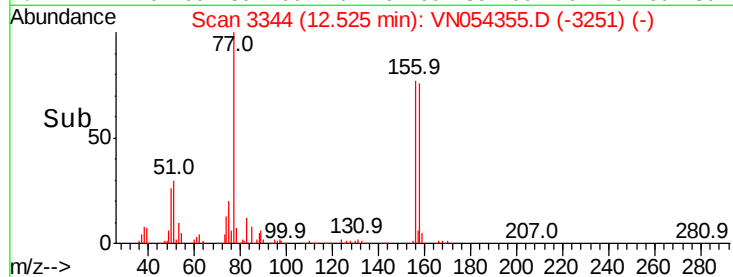
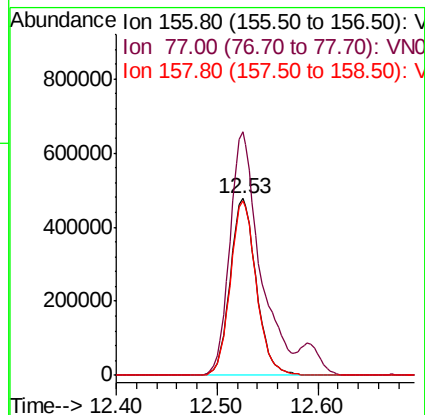
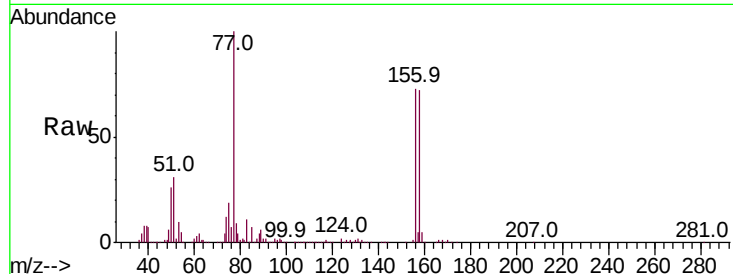
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	861535
Ion Ratio	Lower	Upper	
156	100		
77	159.1	81.5	244.4
158	98.1	49.0	147.2

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#78

n-propylbenzene

Concen: 50.701 ug/l

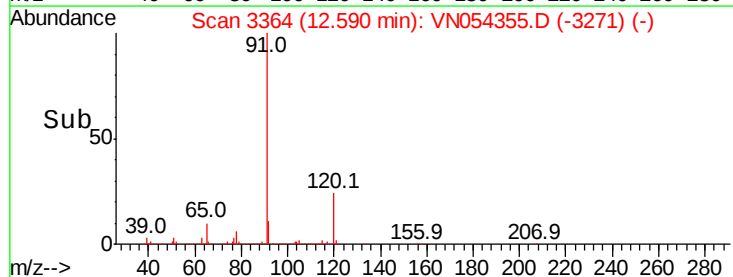
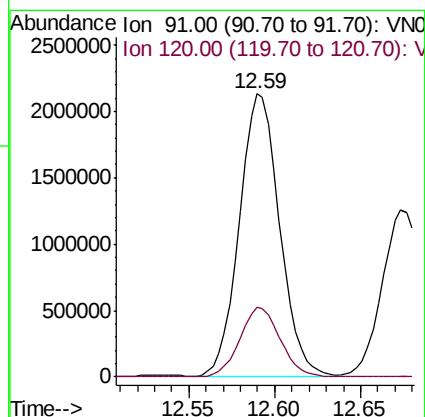
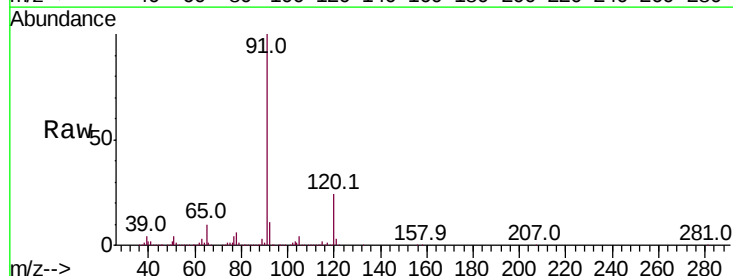
RT: 12.59 min Scan# 3364

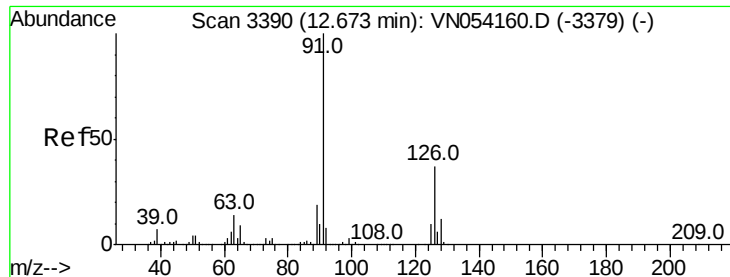
Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Tgt Ion:	91	Resp:	3455877
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.3	36.9





#79

2-Chlorotoluene

Concen: 51.572 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 2113604

Ion Ratio Lower Upper

91 100

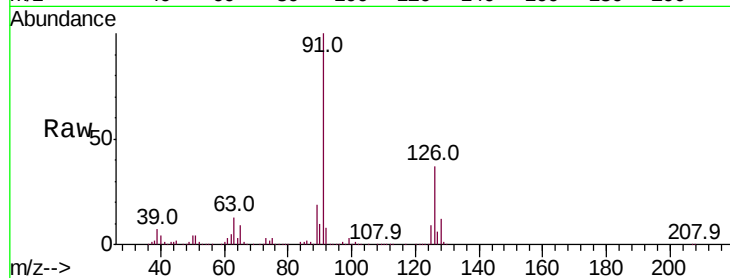
126 37.6 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054160.D (-3379) (-)

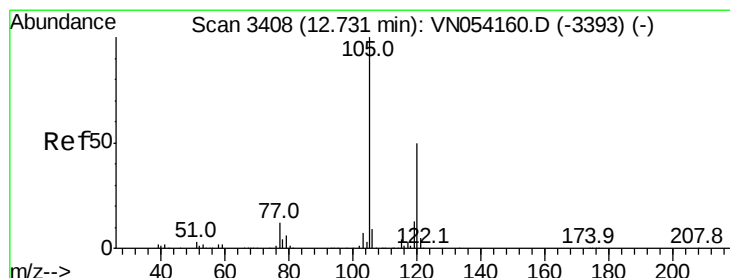
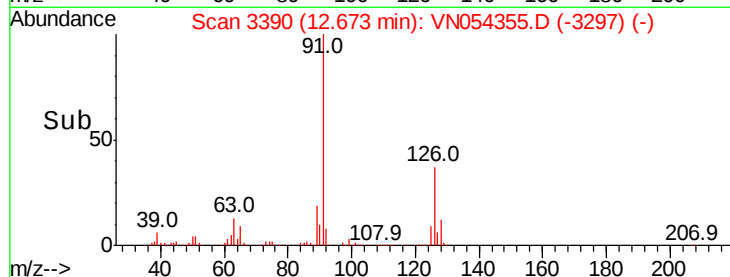
12.67

1000000

500000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.754 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054355.D

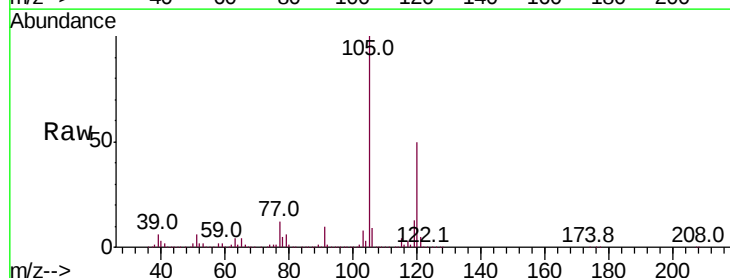
Acq: 17 Mar 2019 00:03

Tgt Ion:105 Resp: 2651974

Ion Ratio Lower Upper

105 100

120 50.1 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)

12.73

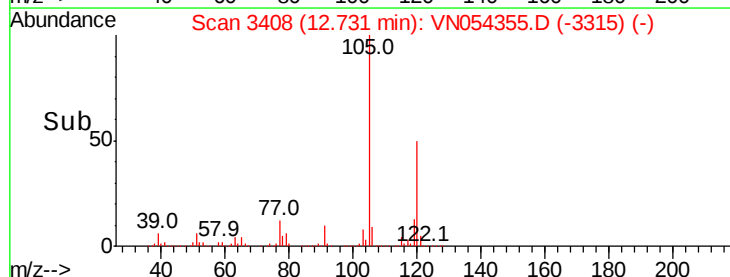
1500000

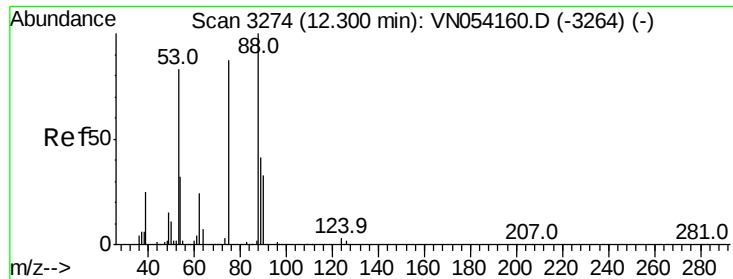
1000000

500000

0

Time-->





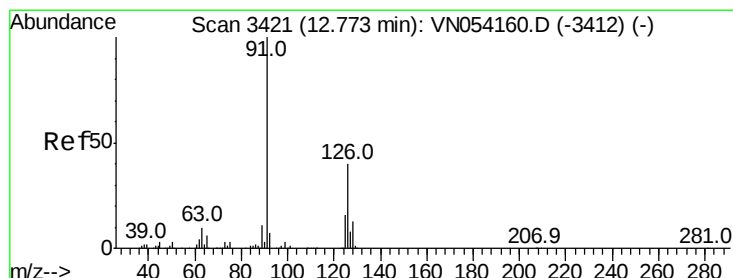
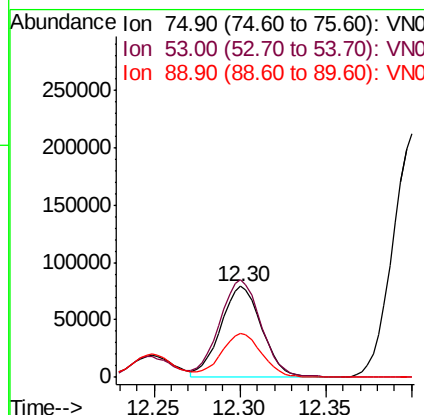
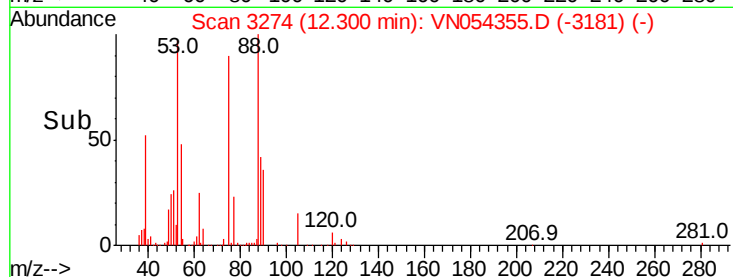
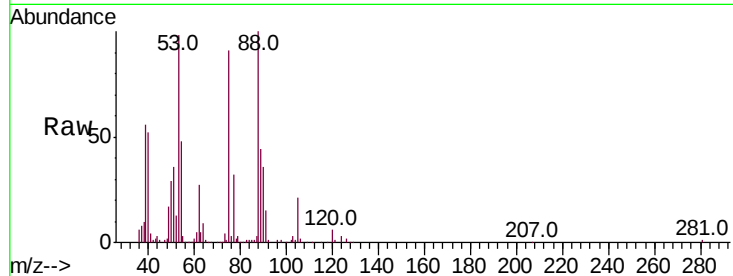
#81
trans-1,4-Dichloro-2-butene
Concen: 38.884 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.3	76.2	114.2
89	48.3	39.2	58.8

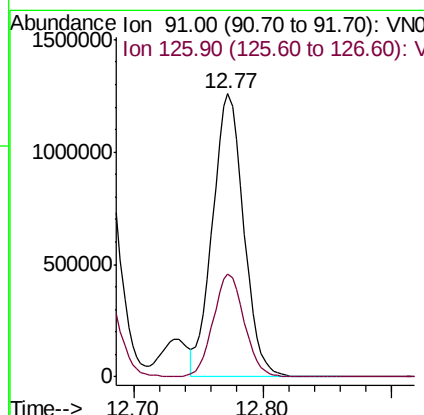
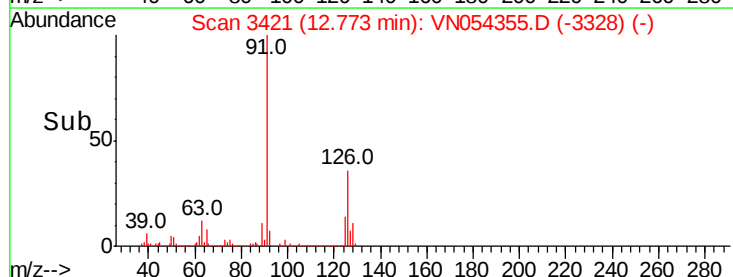
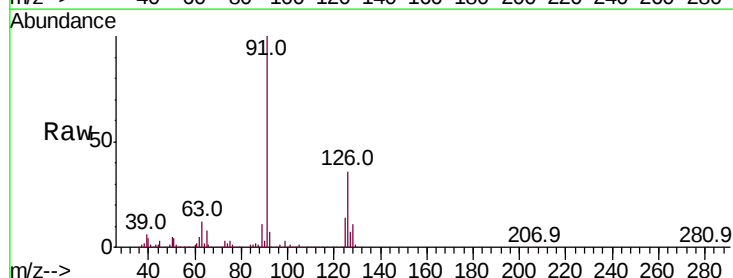
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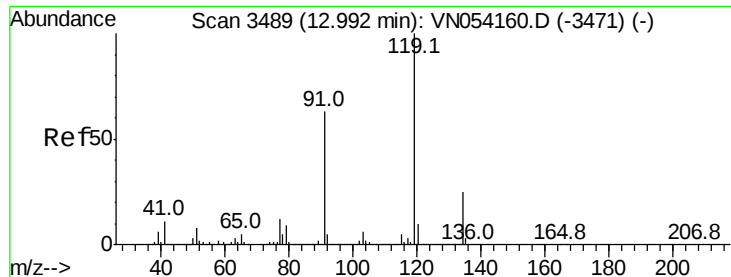
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.501 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.1	54.1





#83

tert-Butylbenzene

Concen: 50.607 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 2433922

Ion Ratio Lower Upper

119 100

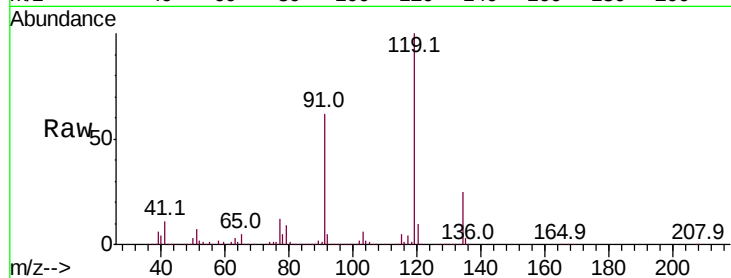
91 60.9 30.9 92.8

134 26.4 13.2 39.6

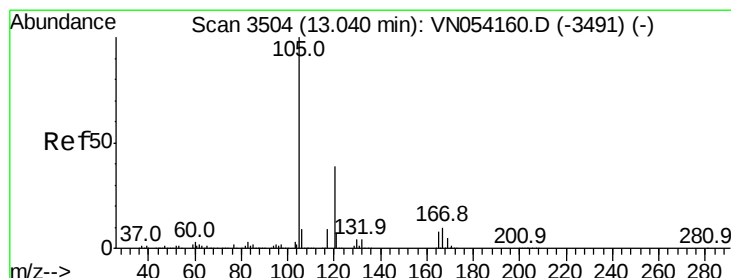
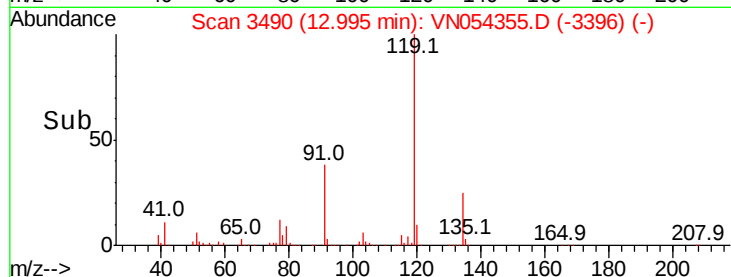
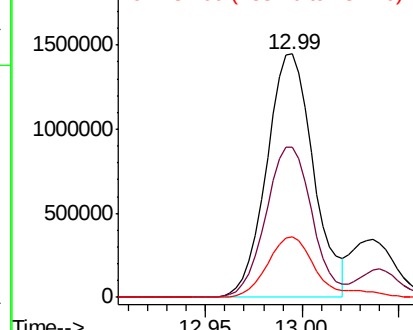
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Abundance Ion 119.00 (118.70 to 119.70): V
2000000
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.200 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054355.D

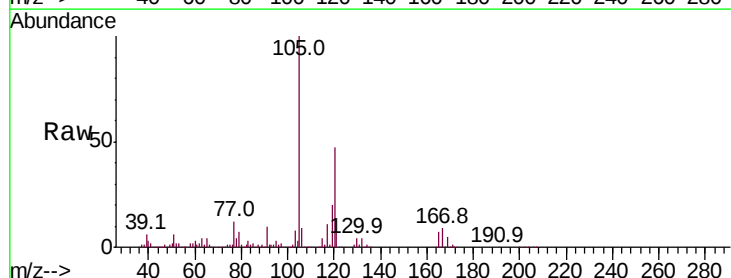
Acq: 17 Mar 2019 00:03

Tgt Ion:105 Resp: 2675832

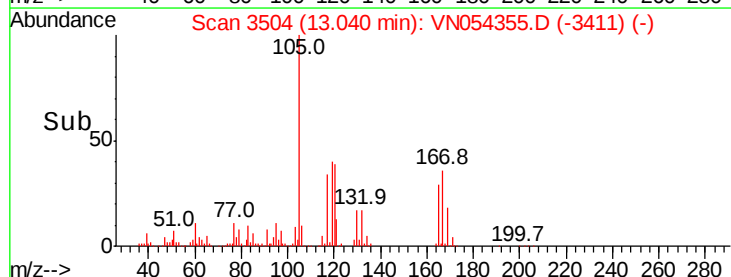
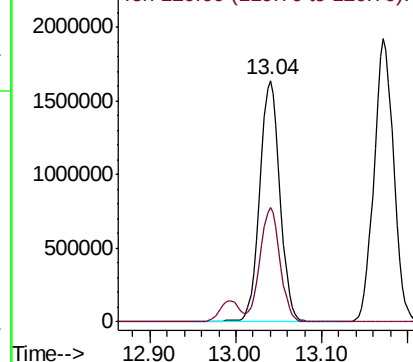
Ion Ratio Lower Upper

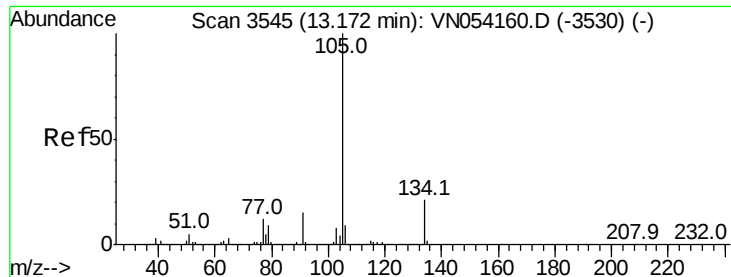
105 100

120 47.1 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
2000000
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.024 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3057667

Ion Ratio Lower Upper

105 100

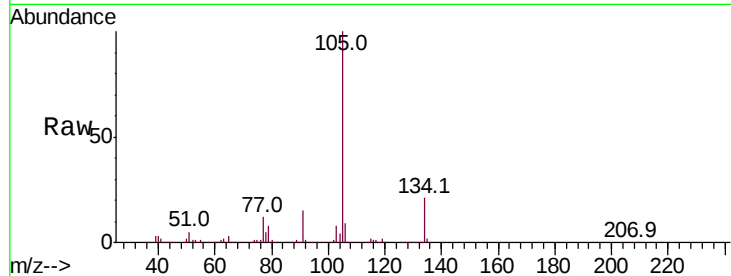
134 21.3 10.7 32.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

2000000

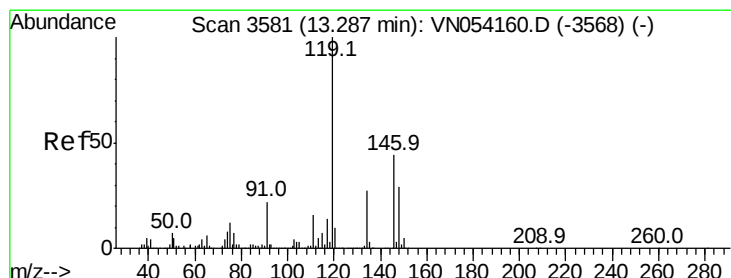
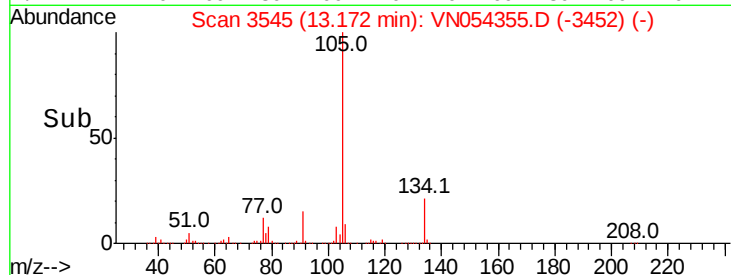
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.148 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

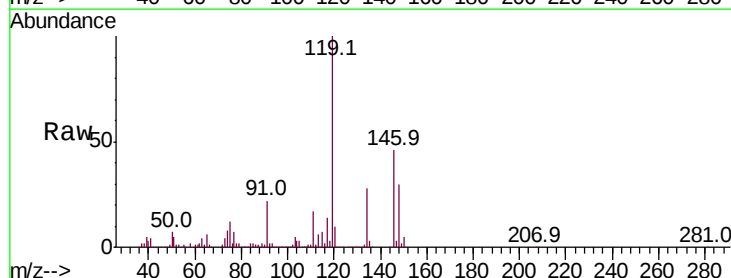
Tgt Ion:119 Resp: 2689332

Ion Ratio Lower Upper

119 100

134 27.5 13.6 40.8

91 21.8 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

2000000

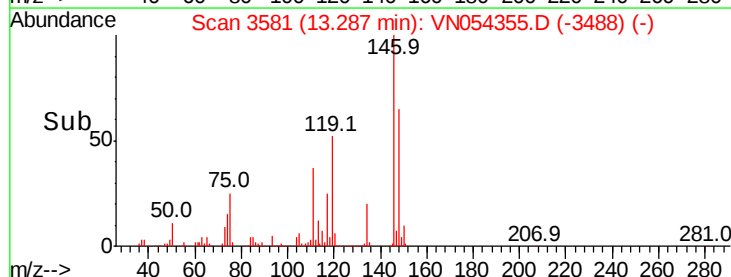
1500000

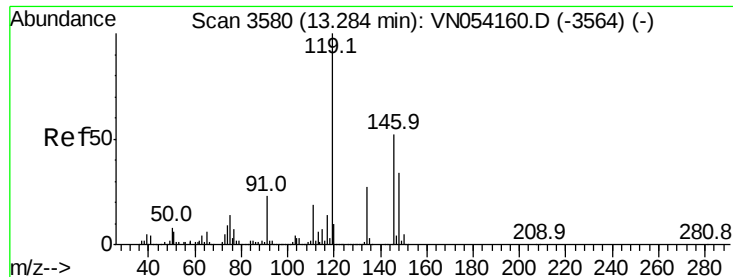
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 52.683 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054355.D

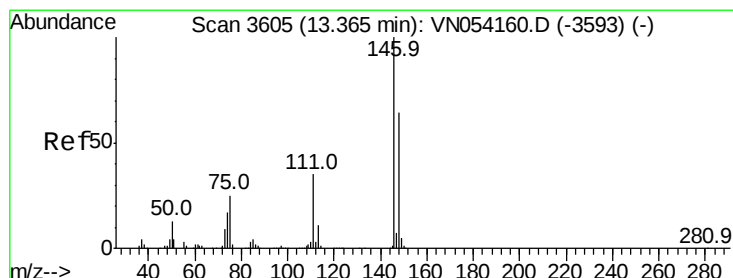
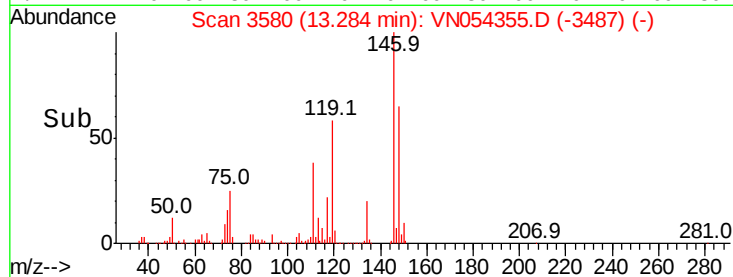
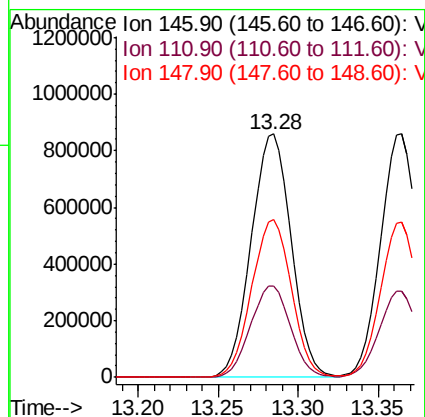
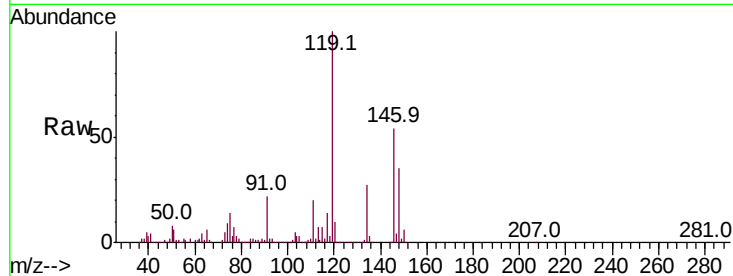
Acq: 17 Mar 2019 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	64.2	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.007 ug/l

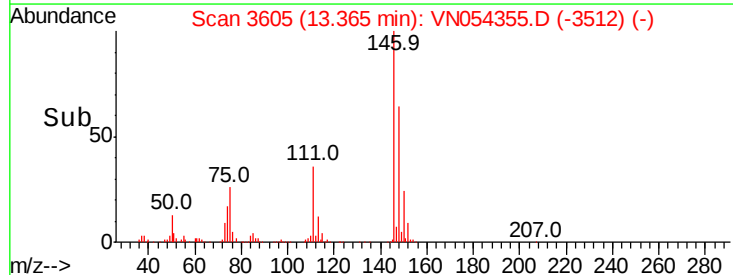
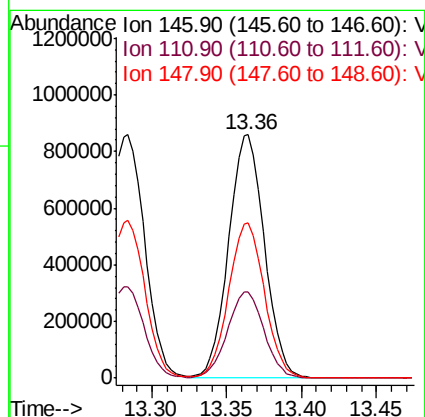
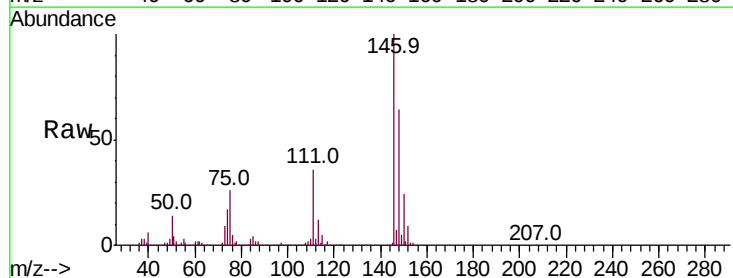
RT: 13.36 min Scan# 3605

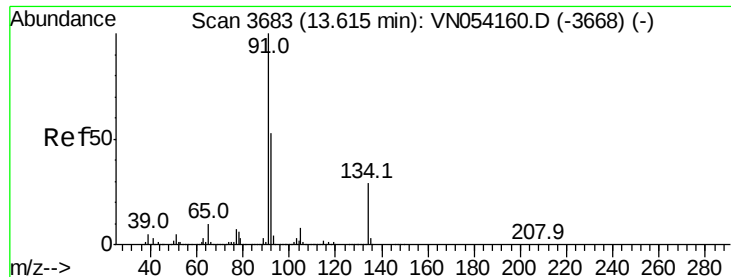
Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.1	54.1
148	63.8	32.0	96.0





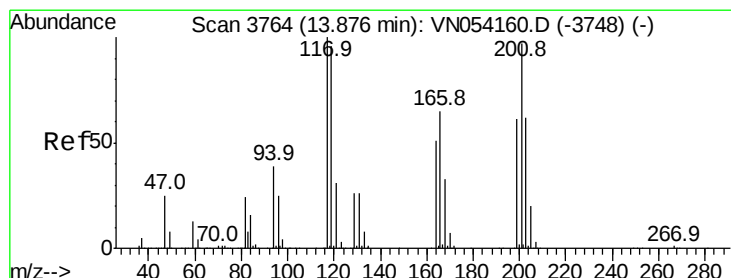
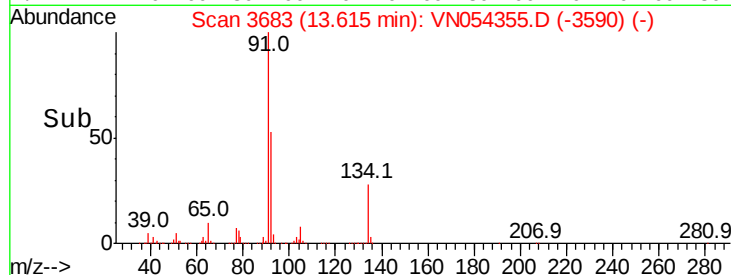
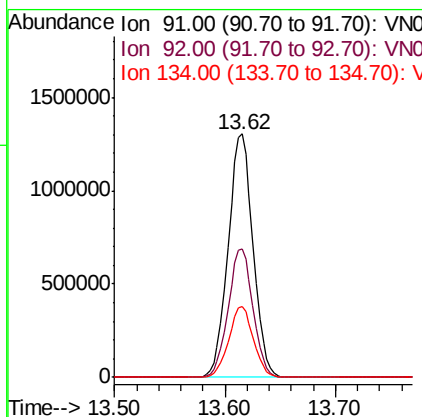
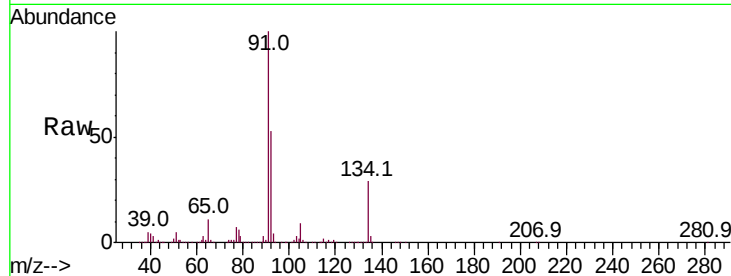
#89
n-Butylbenzene
Concen: 48.938 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2034614
Ion Ratio Lower Upper
91 100
92 52.5 26.2 78.6
134 28.7 14.3 42.9

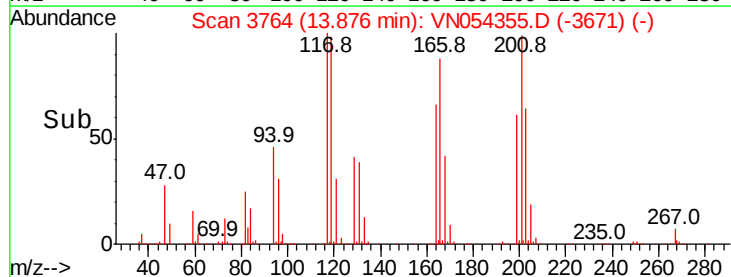
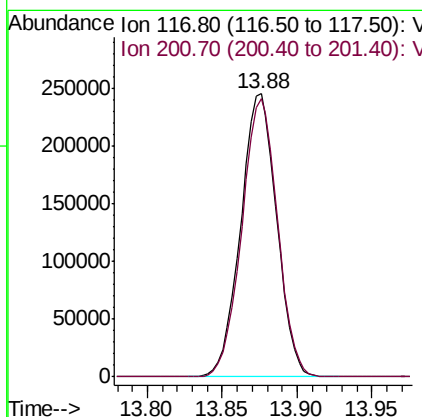
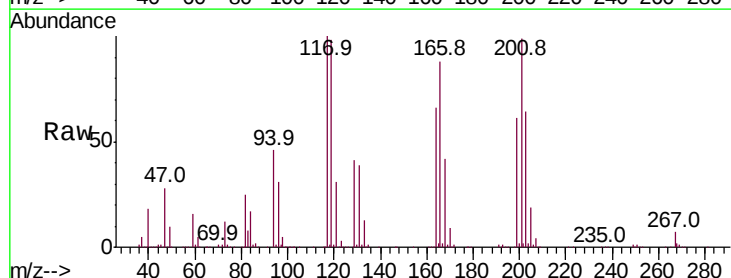
Manual Integrations
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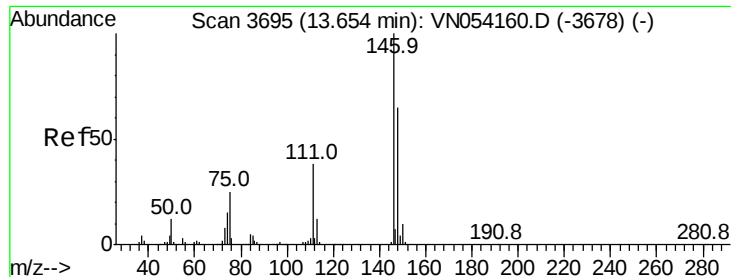
MMDadoda
3/18/2019 11:28:39 AM



#90
Hexachloroethane
Concen: 45.304 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054355.D
Acq: 17 Mar 2019 00:03

Tgt Ion: 117 Resp: 410480
Ion Ratio Lower Upper
117 100
201 97.6 48.1 144.4





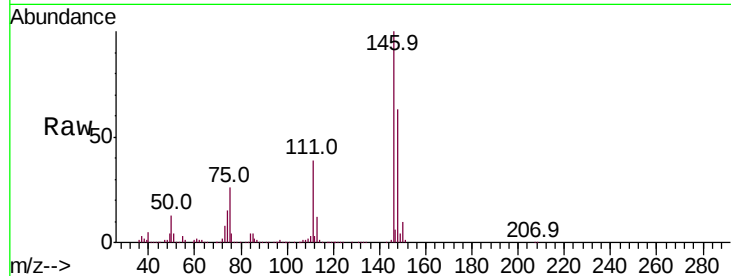
#91
 1,2-Dichlorobenzene
 Concen: 53.994 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054355.D
 Acq: 17 Mar 2019 00:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.3
148	63.7	32.4	97.0

Manual Integrations
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MMDadoda
 3/18/2019 11:28:39 AM

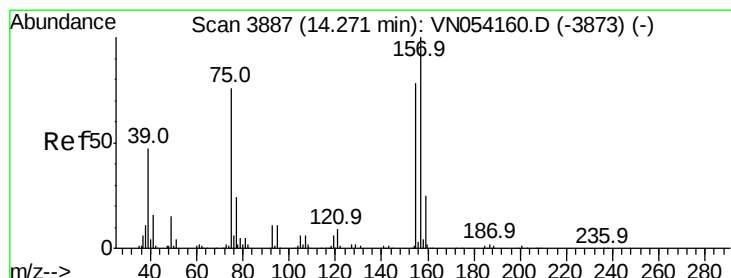
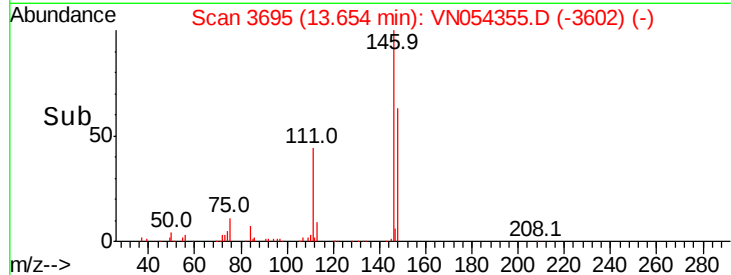
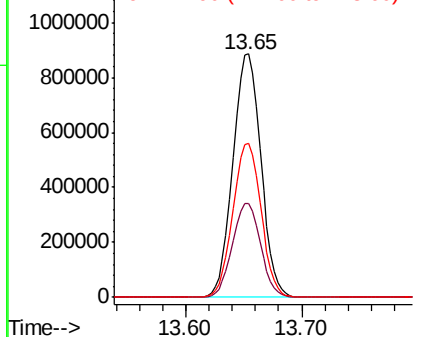


Abundance

Ion 145.90 (145.60 to 146.60): V

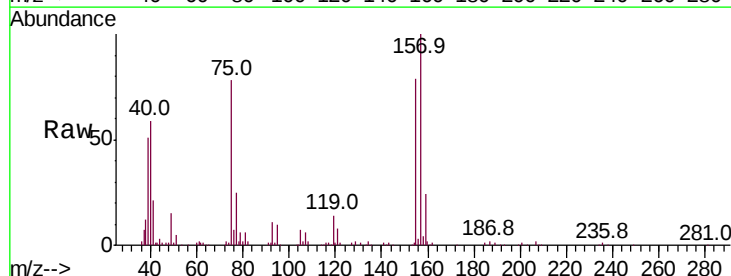
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.982 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054355.D
 Acq: 17 Mar 2019 00:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.6	50.1	150.3
157	131.3	63.1	189.3

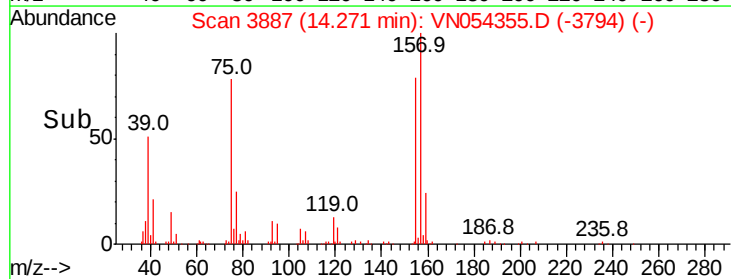
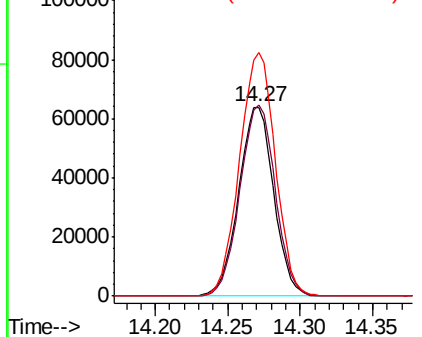


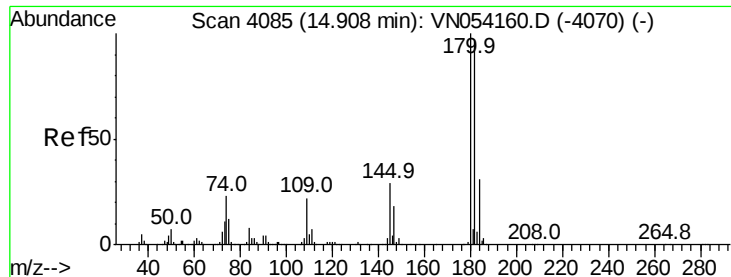
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





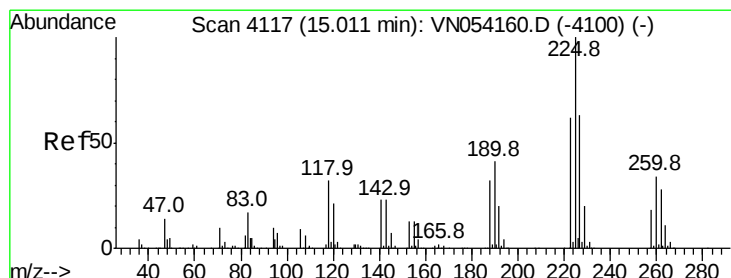
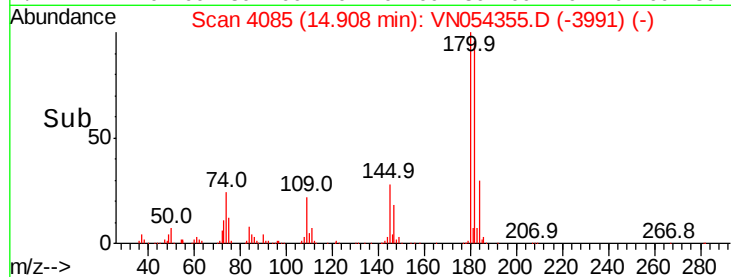
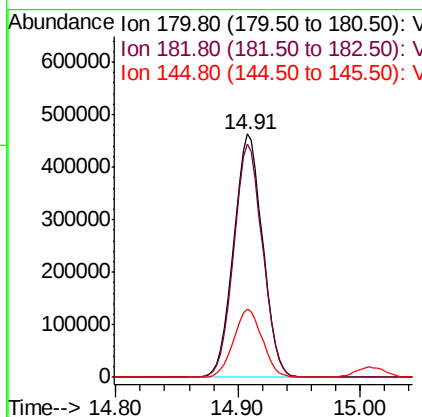
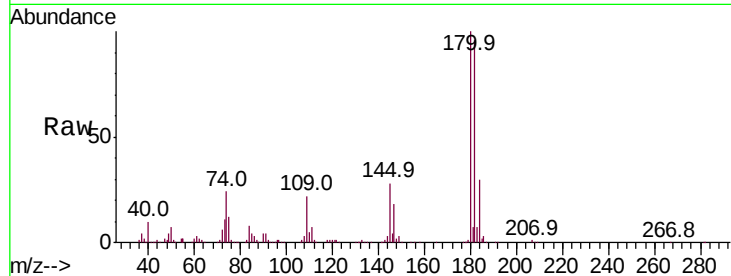
#93
 1,2,4-Trichlorobenzene
 Concen: 46.135 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054355.D
 Acq: 17 Mar 2019 00:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	48.0	144.2	
145	27.9	14.2	42.8	

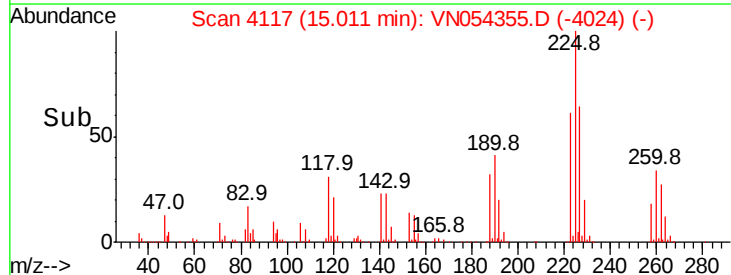
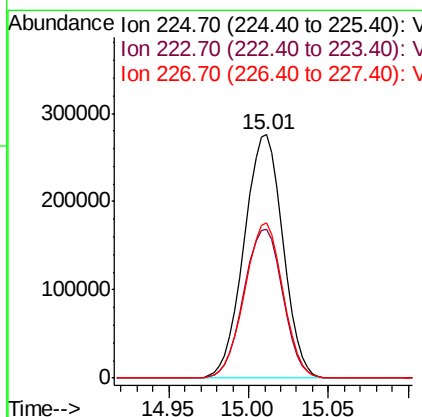
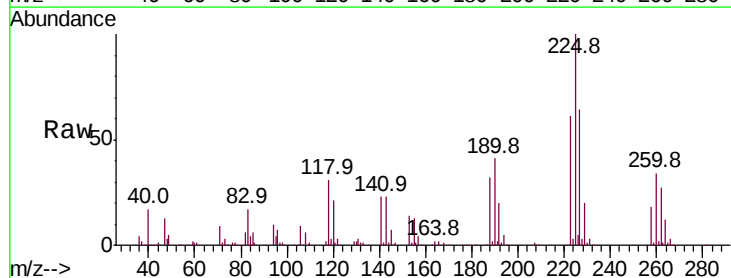
Manual Integrations
 APPROVED

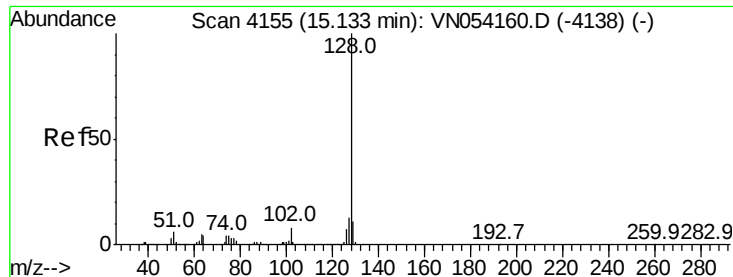
MMDadoda
 3/18/2019 11:28:39 AM



#94
 Hexachlorobutadiene
 Concen: 43.857 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054355.D
 Acq: 17 Mar 2019 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.6	31.1	93.5	
227	62.8	31.9	95.9	





#95

Naphthalene

Concen: 47.399 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1625597

Ion Ratio Lower Upper

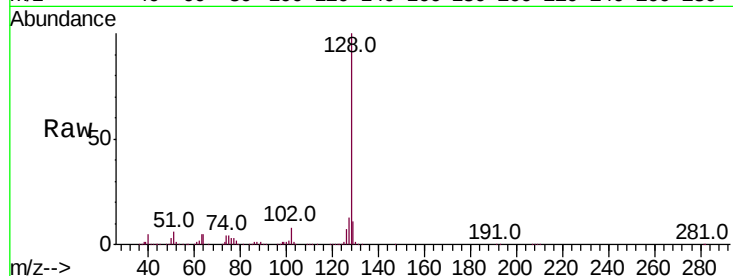
128 100

127 13.0 10.1 15.1

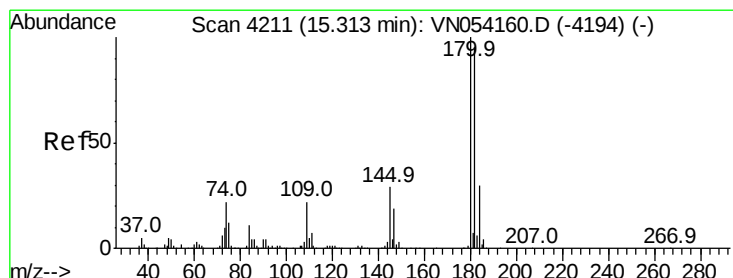
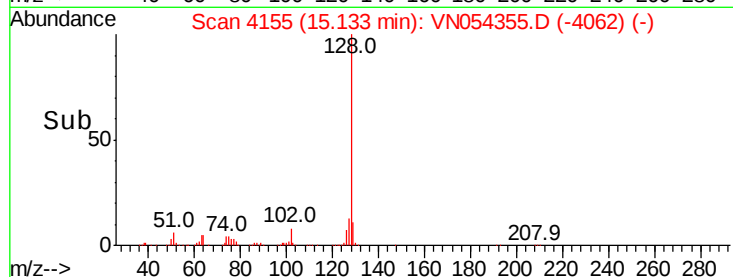
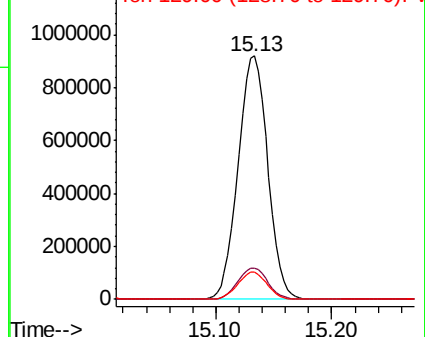
129 11.1 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
3/18/2019 11:28:39 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.703 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054355.D

Acq: 17 Mar 2019 00:03

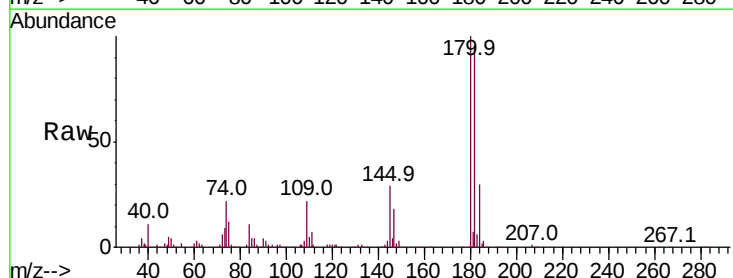
Tgt Ion:180 Resp: 766755

Ion Ratio Lower Upper

180 100

182 96.1 47.5 142.6

145 29.4 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

