

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054331.D
 Acq On : 16 Mar 2019 11:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/18/2019 11:30:36 AM

Quant Time: Mar 18 05:17:02 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	1439454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2116563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1869636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	908675	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	734075	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
35) Dibromofluoromethane	7.59	113	686162	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	10.09	98	2529501	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.40	95	882635	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	690083	50.584	ug/l	100
3) Chloromethane	2.06	50	595590	44.944	ug/l	100
4) Vinyl Chloride	2.19	62	695365	45.910	ug/l	99
5) Bromomethane	2.57	94	471804	44.975	ug/l	98
6) Chloroethane	2.71	64	414166	45.193	ug/l	97
7) Trichlorofluoromethane	3.02	101	915367	45.455	ug/l	99
8) Diethyl Ether	3.41	74	457327	49.835	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	783963	51.951	ug/l	99
10) Methyl Iodide	3.94	142	1021720	47.746	ug/l	100
11) Tert butyl alcohol	4.82	59	248102	236.740	ug/l	100
12) 1,1-Dichloroethene	3.73	96	725035	48.483	ug/l	100
13) Acrolein	3.60	56	208300	209.755	ug/l	100
14) Allyl chloride	4.31	41	916702	47.777	ug/l	100
15) Acrylonitrile	4.99	53	1129765	262.440	ug/l	100
16) Acetone	3.82	43	1120675	256.035	ug/l	100
17) Carbon Disulfide	4.04	76	1620094	43.216	ug/l	99
18) Methyl Acetate	4.33	43	530499	59.906	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1861782	50.227	ug/l	99
20) Methylene Chloride	4.55	84	705964	49.120	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	695368	48.531	ug/l	99
22) Diisopropyl ether	5.96	45	1965689	51.332	ug/l	97
23) Vinyl Acetate	5.90	43	7120354	252.189	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1216421	49.473	ug/l	100
25) 2-Butanone	6.85	43	1446914	281.649	ug/l	100
26) 2,2-Dichloropropane	6.82	77	985623	45.583	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	810253	50.689	ug/l	98
28) Bromochloromethane	7.19	49	485531	48.303	ug/l	98
29) Tetrahydrofuran	7.22	42	855188	258.906	ug/l	98
30) Chloroform	7.37	83	1306376	50.917	ug/l	99
31) Cyclohexane	7.65	56	1103915	47.973	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	1121566	48.402	ug/l	100
36) 1,1-Dichloropropene	7.79	75	976977	50.123	ug/l	99
37) Ethyl Acetate	6.94	43	588883	52.580	ug/l	99
38) Carbon Tetrachloride	7.77	117	999673	48.906	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1229119	51.251	ug/l	98
40) Benzene	8.04	78	2865510	51.374	ug/l	100
41) Methacrylonitrile	7.17	41	323907	50.652	ug/l	99
42) 1,2-Dichloroethane	8.12	62	948493	50.368	ug/l	100
43) Isopropyl Acetate	8.17	43	994240	50.575	ug/l	98
44) Trichloroethene	8.83	130	872081	50.330	ug/l	98
45) 1,2-Dichloropropane	9.12	63	721945	52.126	ug/l	100
46) Dibromomethane	9.21	93	474354	50.690	ug/l	100
47) Bromodichloromethane	9.40	83	971286	51.774	ug/l	99
48) Methyl methacrylate	9.20	41	532974	53.423	ug/l	98
49) 1,4-Dioxane	9.20	88	159218	1128.284	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2874822	276.334	ug/l	98
52) Toluene	10.16	92	1828962	51.714	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	942829	44.181	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1112754	50.900	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	676863	52.414	ug/l	99
56) Ethyl methacrylate	10.43	69	836408	54.319	ug/l	96
57) 1,3-Dichloropropane	10.71	76	1116139	52.858	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1621890	243.273	ug/l	100
59) 2-Hexanone	10.75	43	1930305	278.848	ug/l	98
60) Dibromochloromethane	10.90	129	757328	52.103	ug/l	99
61) 1,2-Dibromoethane	11.01	107	691415	52.687	ug/l	99
64) Tetrachloroethene	10.63	164	866810	47.952	ug/l	99
65) Chlorobenzene	11.43	112	2104136	51.255	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	772861	51.824	ug/l	99
67) Ethyl Benzene	11.51	91	3487145	51.243	ug/l	99
68) m/p-Xylenes	11.62	106	2728377	102.580	ug/l	100
69) o-Xylene	11.95	106	1351321	52.118	ug/l	97
70) Styrene	11.96	104	2133156	52.458	ug/l	100
71) Bromoform	12.13	173	501097	44.357	ug/l #	100
73) Isopropylbenzene	12.25	105	3541293	48.711	ug/l	100
74) N-amyl acetate	12.07	43	818111	50.698	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	792103	51.140	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	663076m	49.622	ug/l	
77) Bromobenzene	12.53	156	930977	48.394	ug/l	100
78) n-propylbenzene	12.59	91	3890532	49.320	ug/l	100
79) 2-Chlorotoluene	12.68	91	2323291	48.983	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2929847	48.451	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	167897	42.952	ug/l	91
82) 4-Chlorotoluene	12.77	91	2339851	49.405	ug/l	100
83) tert-Butylbenzene	12.99	119	2651959	47.646	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2913862	49.117	ug/l	99
85) sec-Butylbenzene	13.17	105	3448186	47.770	ug/l	100
86) p-Isopropyltoluene	13.29	119	3061586	48.346	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1619215	49.952	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1569326	49.282	ug/l	99
89) n-Butylbenzene	13.62	91	2448506	50.888	ug/l	99
90) Hexachloroethane	13.88	117	470930	44.911	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1586397	50.061	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	113185	47.223	ug/l	95

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ClientSampleId :
VSTDCCC050

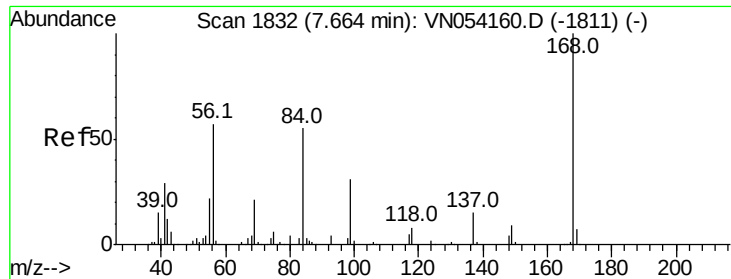
Manual Integrations
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QLast Update : Wed Mar 13 03:33:31 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	873620	45.882	ug/l	99
94) Hexachlorobutadiene	15.01	225	551919	45.725	ug/l	100
95) Naphthalene	15.13	128	1815645	45.865	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	858662	50.998	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1439454

Ion Ratio Lower Upper

168 100

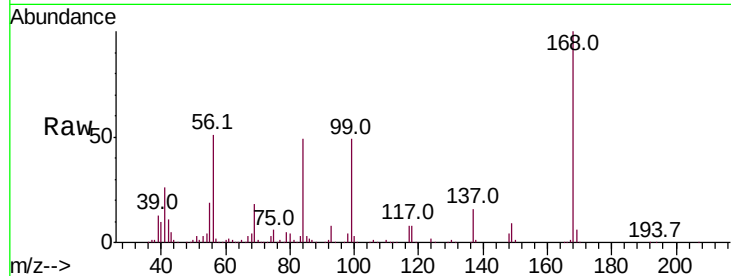
99 47.7 37.1 55.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

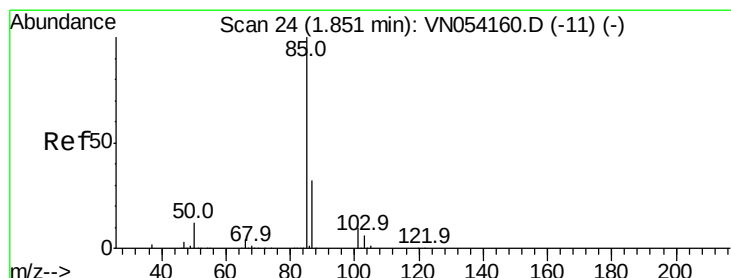
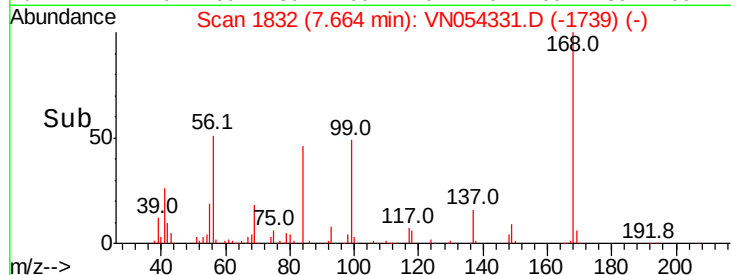
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.584 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054331.D

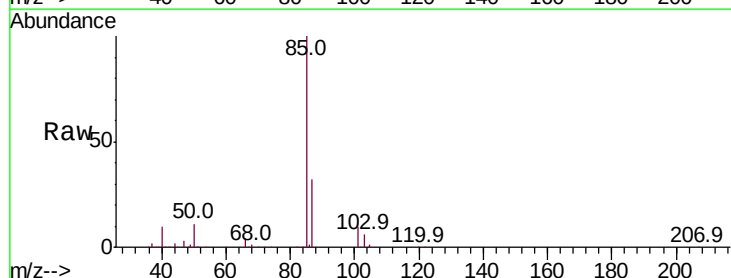
Acq: 16 Mar 2019 11:59

Tgt Ion: 85 Resp: 690083

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

600000

500000

400000

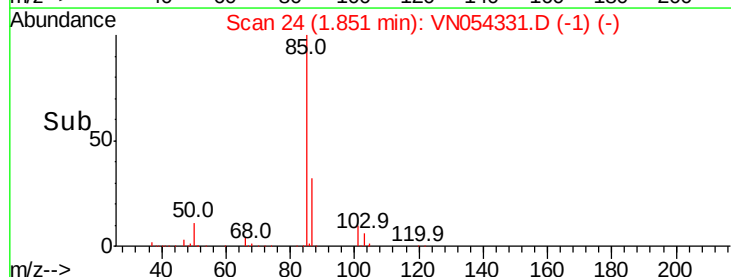
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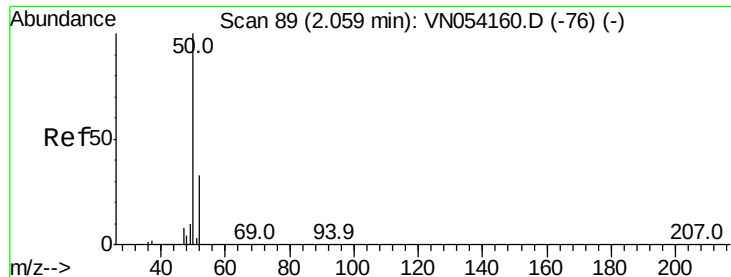
200000

100000

0

Time-->





#3

Chloromethane

Concen: 44.944 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 595590

Ion Ratio Lower Upper

50 100

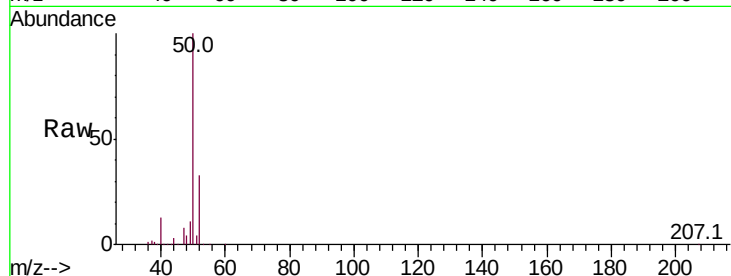
52 33.2 26.4 39.6

Manual Integrations

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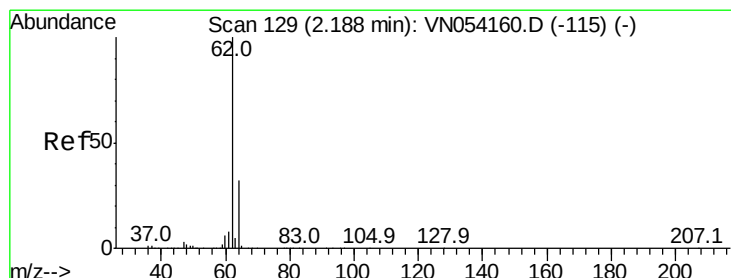
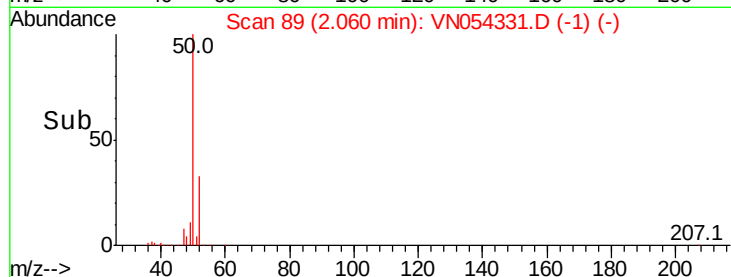
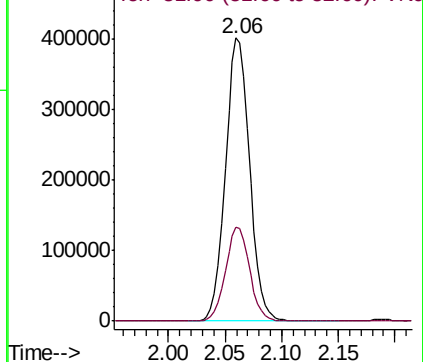
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.910 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054331.D

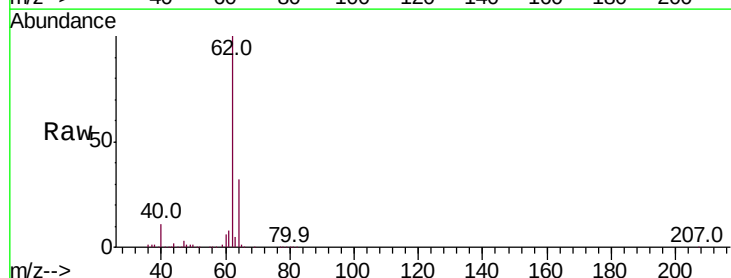
Acq: 16 Mar 2019 11:59

Tgt Ion: 62 Resp: 695365

Ion Ratio Lower Upper

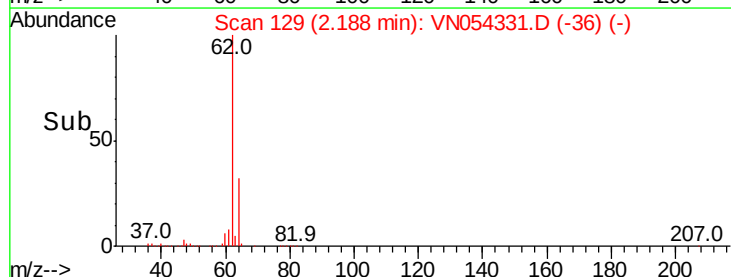
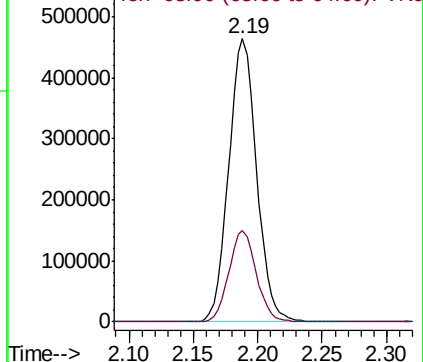
62 100

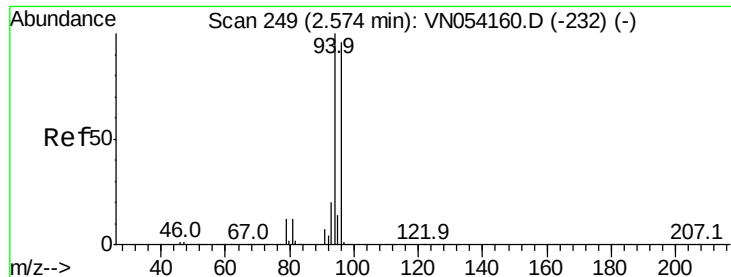
64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 44.975 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 471804

Ion Ratio Lower Upper

94 100

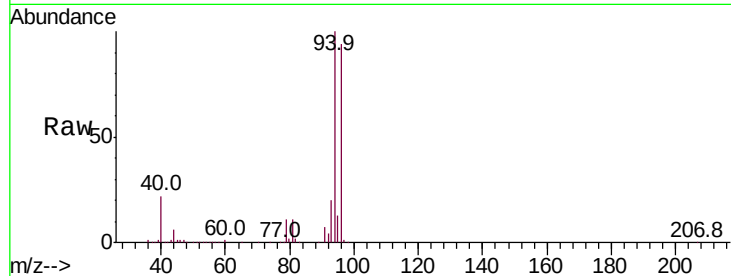
96 94.5 77.0 115.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

250000

200000

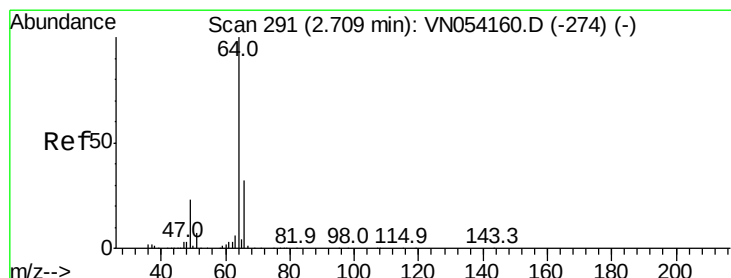
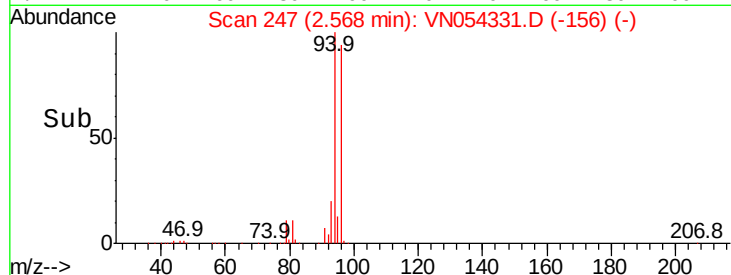
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 45.193 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054331.D

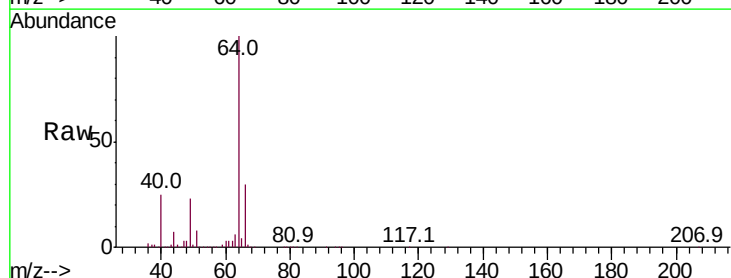
Acq: 16 Mar 2019 11:59

Tgt Ion: 64 Resp: 414166

Ion Ratio Lower Upper

64 100

66 30.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

250000

200000

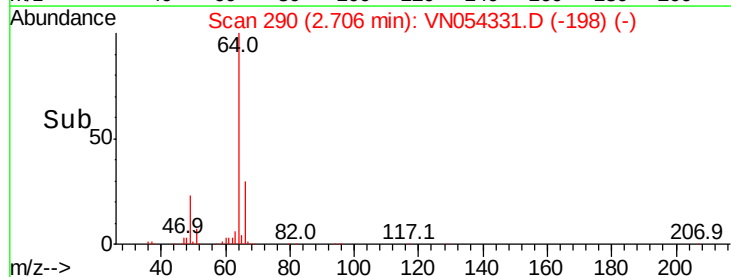
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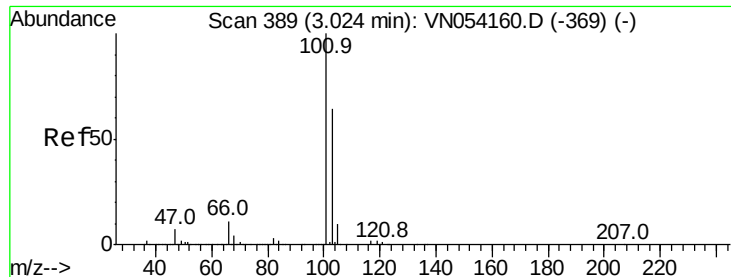
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0

Time-->





#7

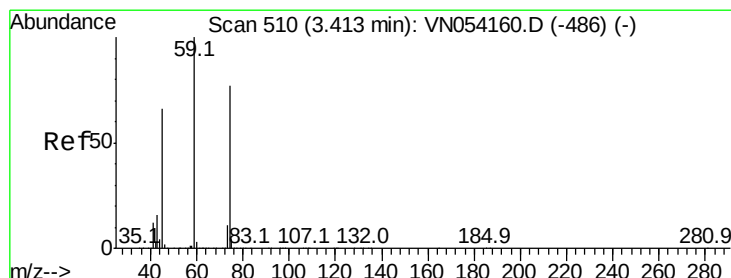
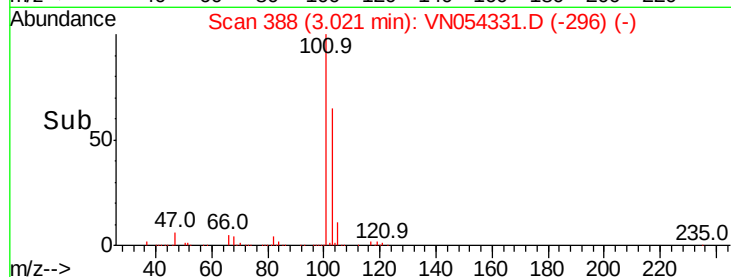
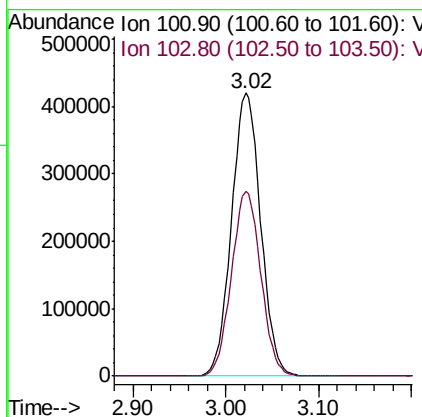
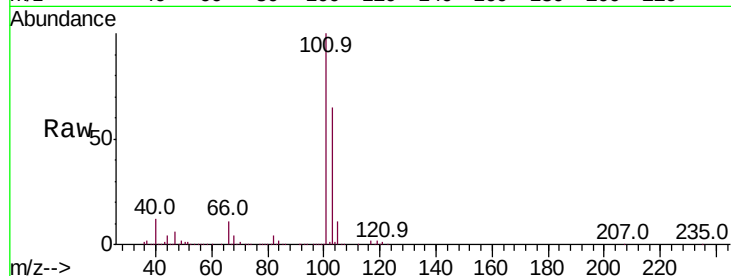
Trichlorofluoromethane
Concen: 45.455 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2

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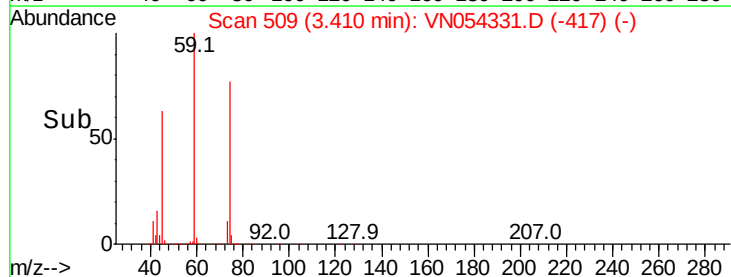
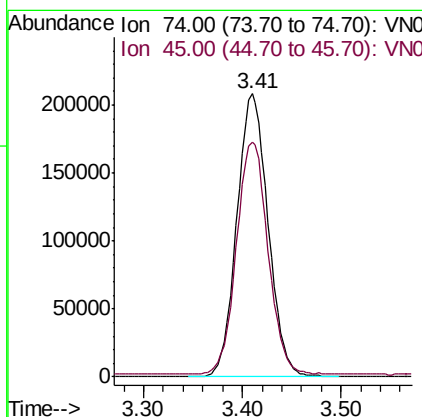
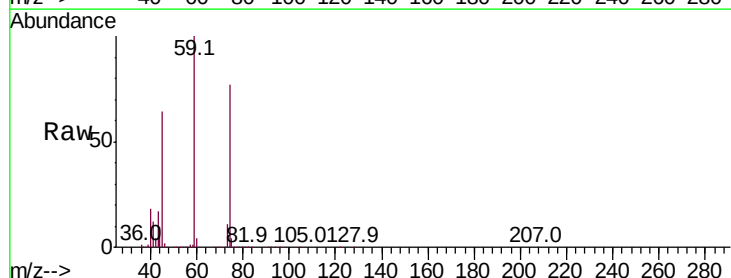
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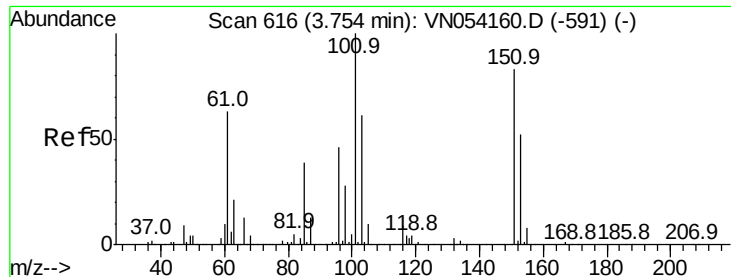


#8

Diethyl Ether
Concen: 49.835 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.5	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.951 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

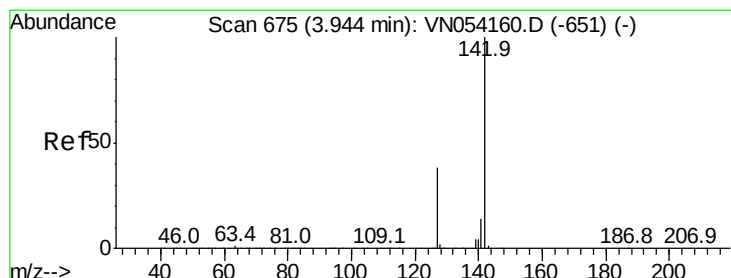
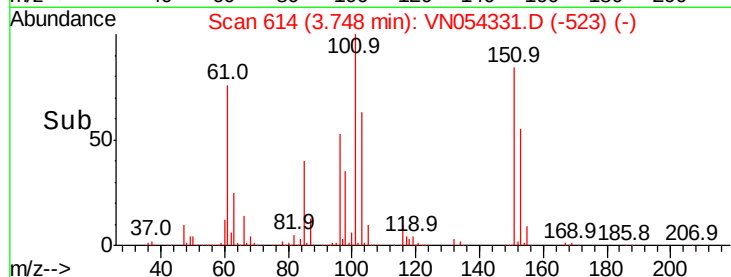
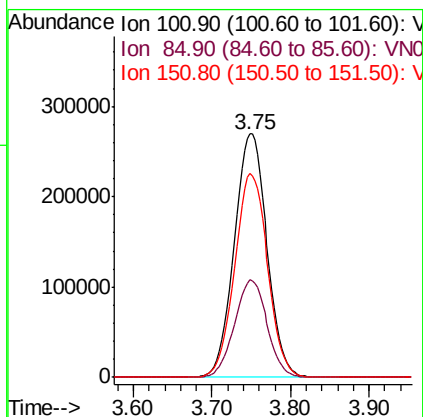
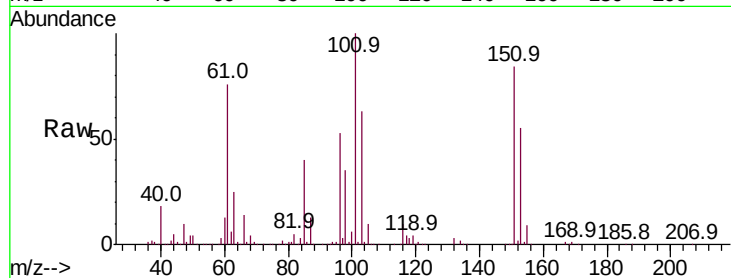
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	783963
Ion Ratio	Lower	Upper	
101	100		
85	39.9	32.4	48.6
151	84.4	68.2	102.2

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3/18/2019 11:30:36 AM



#10

Methyl Iodide

Concen: 47.746 ug/l

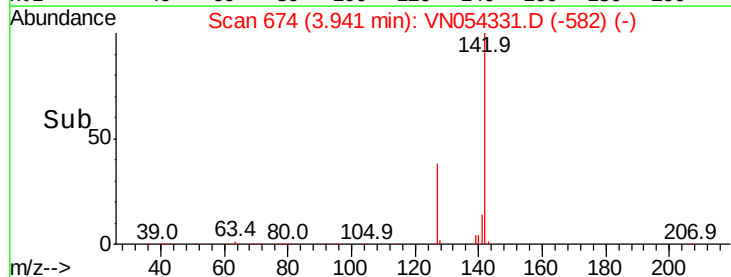
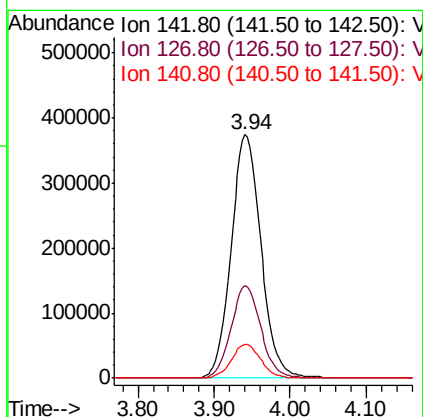
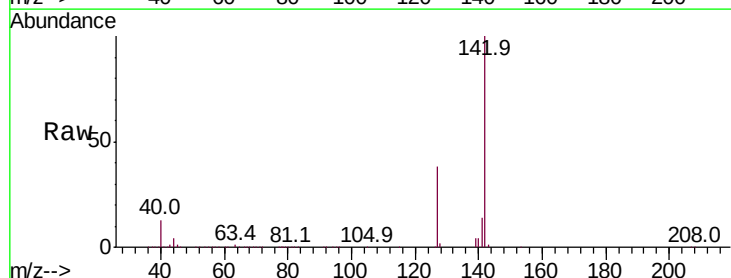
RT: 3.94 min Scan# 674

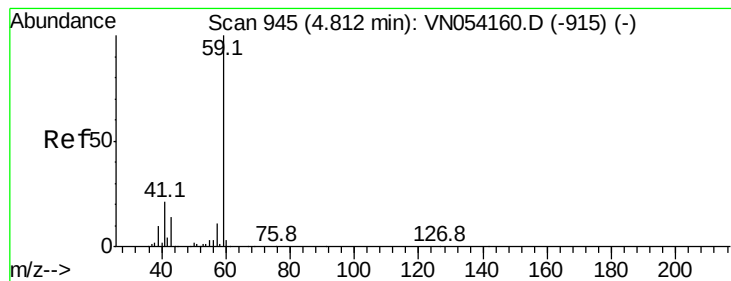
Delta R.T. -0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Tgt Ion:	142	Resp:	1021720
Ion Ratio	Lower	Upper	
142	100		
127	37.9	30.3	45.5
141	13.7	11.2	16.8





#11

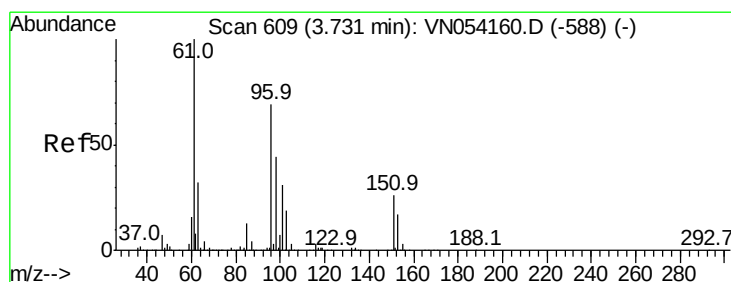
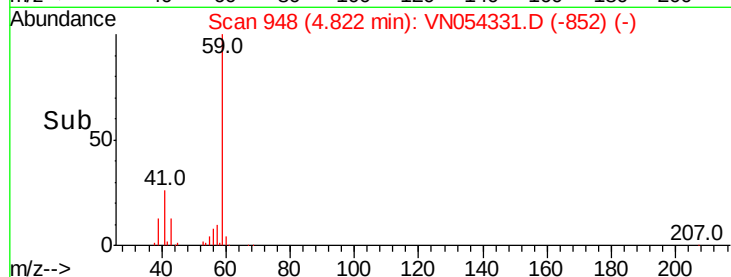
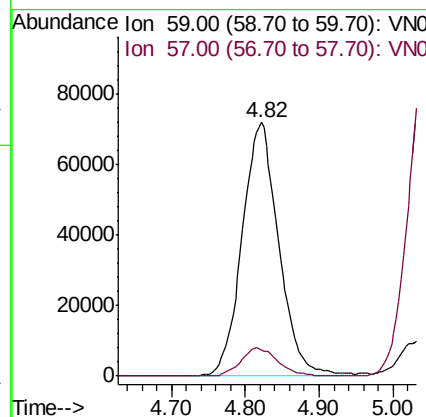
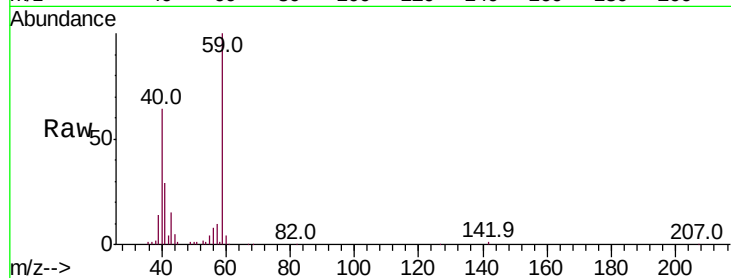
Tert butyl alcohol
 Concen: 236.740 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054331.D
 Acq: 16 Mar 2019 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	248102
Ion Ratio	100	Lower	Upper
57	11.2	9.0	13.6

Manual Integrations
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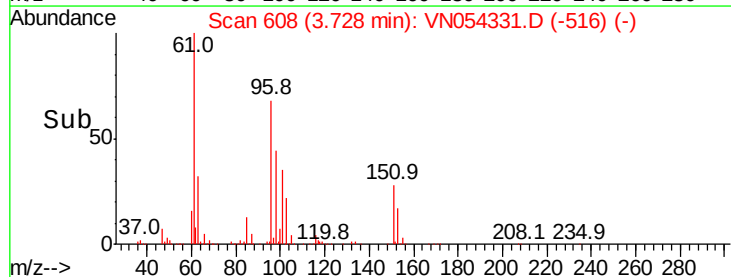
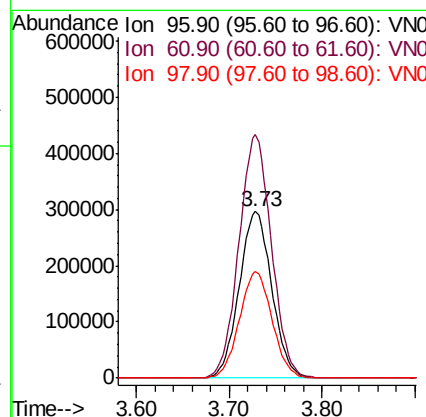
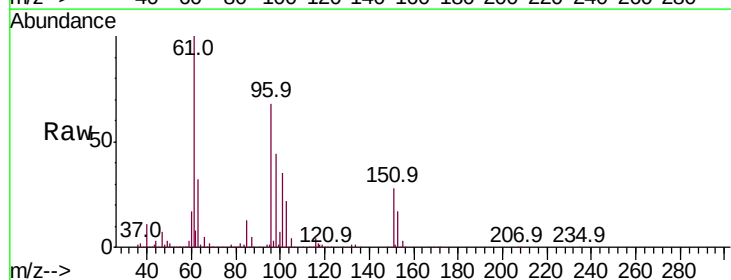
MMDadoda
 3/18/2019 11:30:36 AM

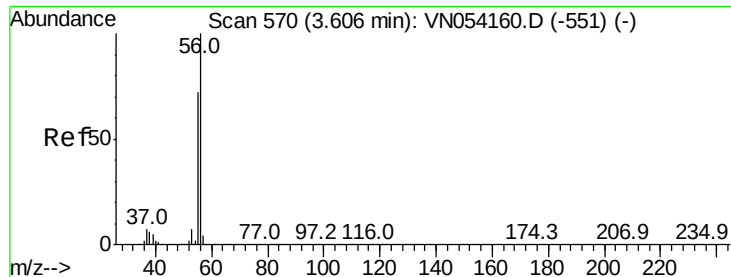


#12

1,1-Dichloroethene
 Concen: 48.483 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054331.D
 Acq: 16 Mar 2019 11:59

Tgt Ion	96	Resp	725035
Ion Ratio	100	Lower	Upper
61	146.1	116.5	174.7
98	63.7	51.0	76.4





#13

Acrolein

Concen: 209.755 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 208300

Ion Ratio Lower Upper

56 100

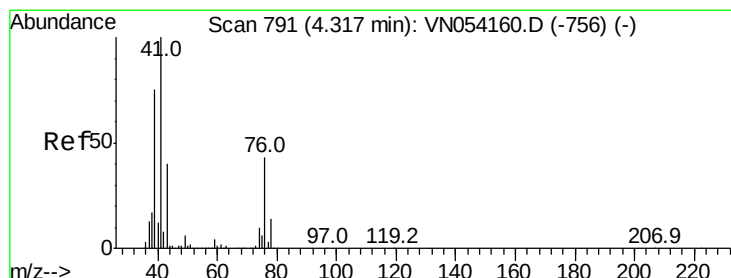
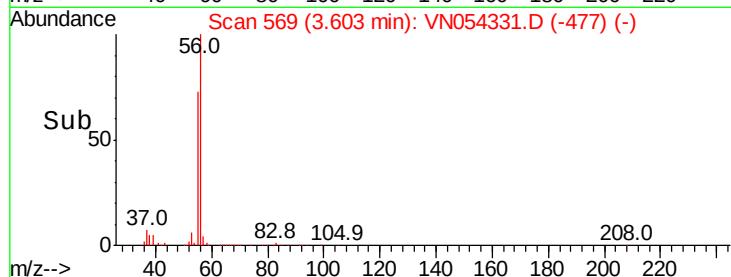
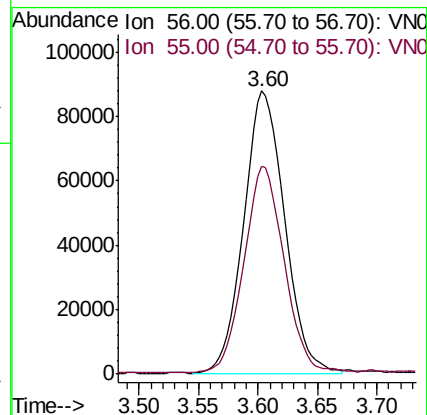
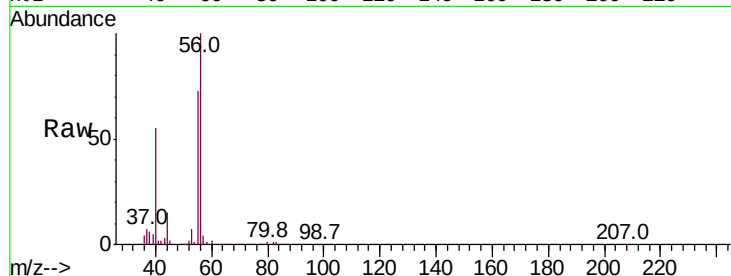
55 71.3 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 47.777 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

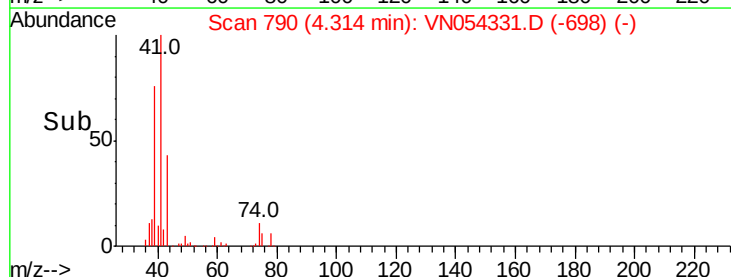
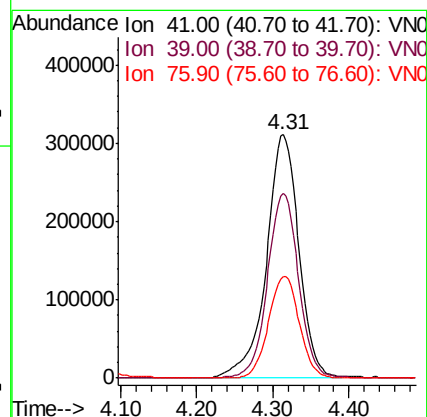
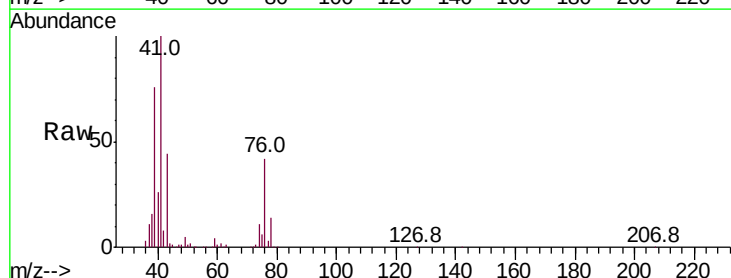
Tgt Ion: 41 Resp: 916702

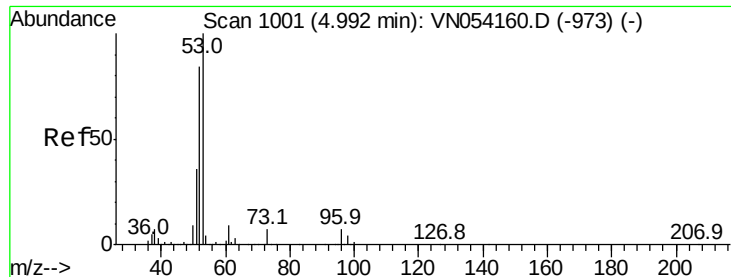
Ion Ratio Lower Upper

41 100

39 72.3 58.2 87.4

76 39.6 31.7 47.5





#15

Acrylonitrile

Concen: 262.440 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 53 Resp: 1129765

Ion Ratio Lower Upper

53 100

52 82.9 66.4 99.6

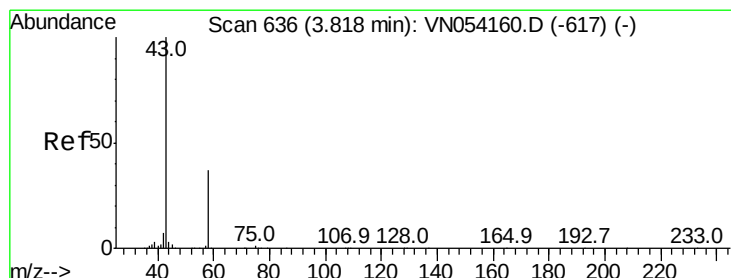
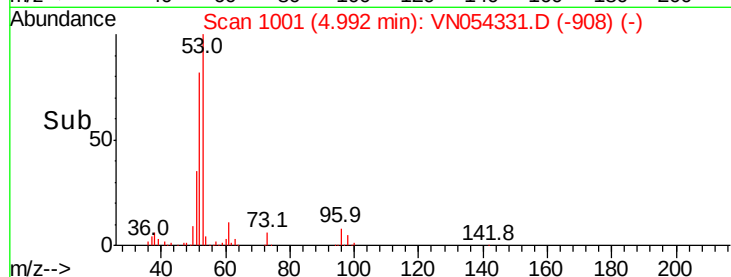
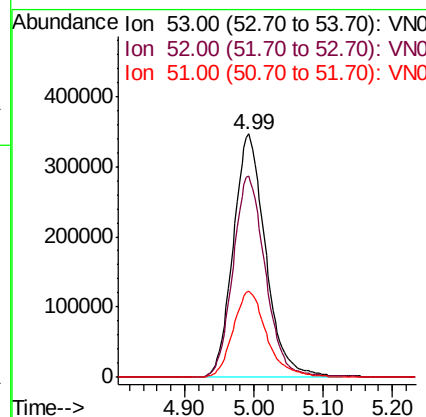
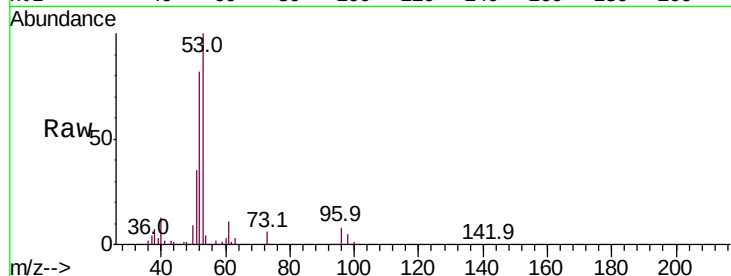
51 36.8 29.6 44.4

Manual Integrations

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#16

Acetone

Concen: 256.035 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054331.D

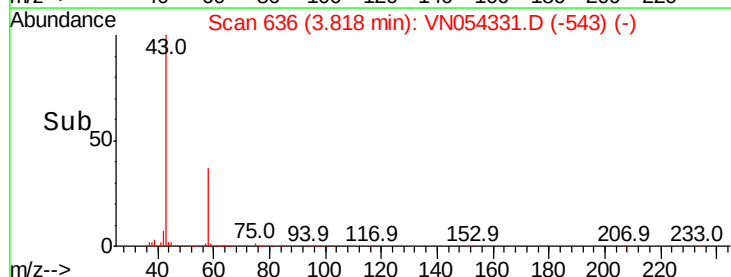
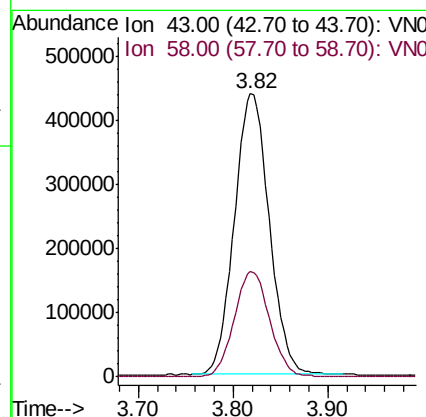
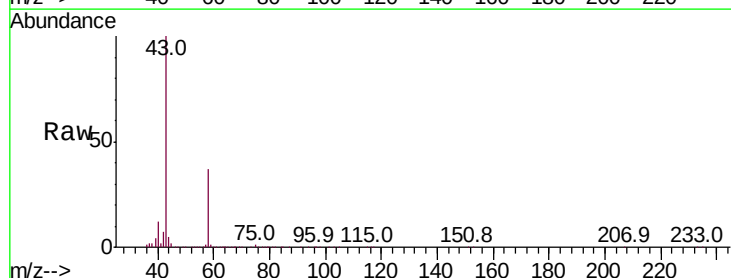
Acq: 16 Mar 2019 11:59

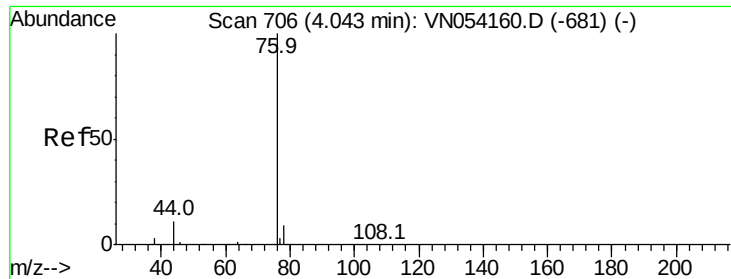
Tgt Ion: 43 Resp: 1120675

Ion Ratio Lower Upper

43 100

58 37.2 29.9 44.9





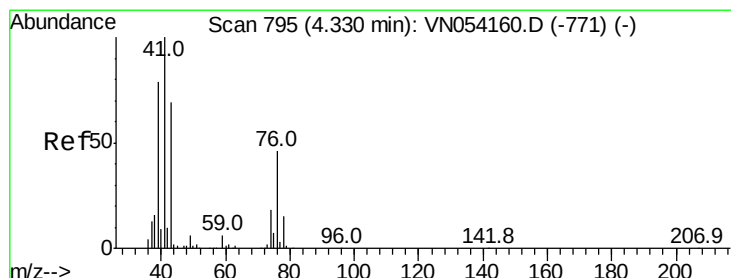
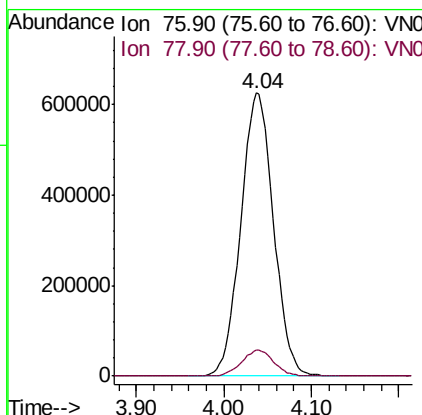
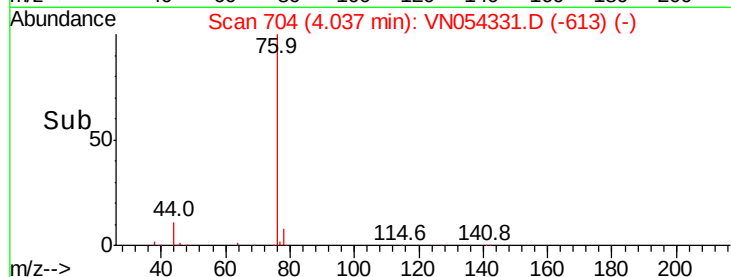
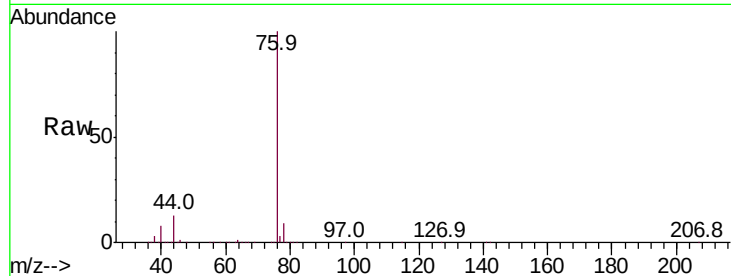
#17
Carbon Disulfide
Concen: 43.216 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.01 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1620094
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3

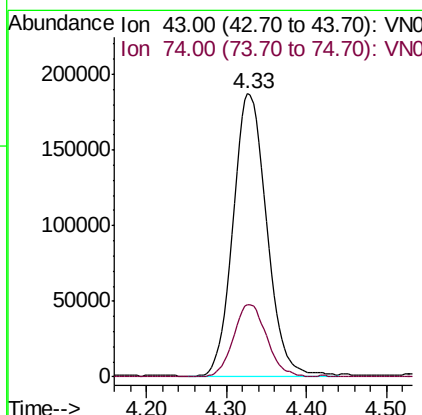
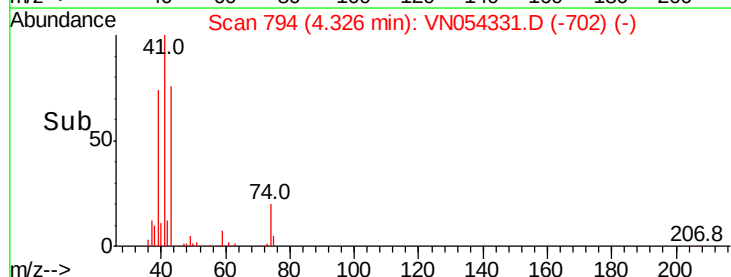
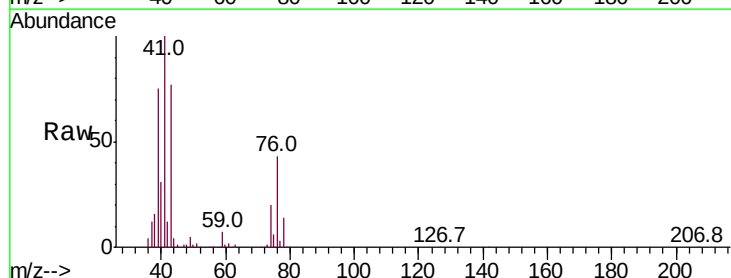
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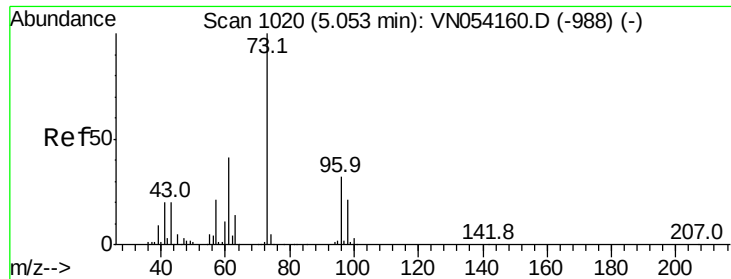
MMDadoda
3/18/2019 11:30:36 AM



#18
Methyl Acetate
Concen: 59.906 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Tgt Ion: 43 Resp: 530499
Ion Ratio Lower Upper
43 100
74 25.6 20.8 31.2





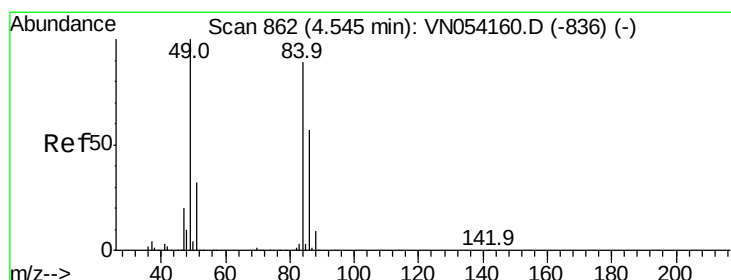
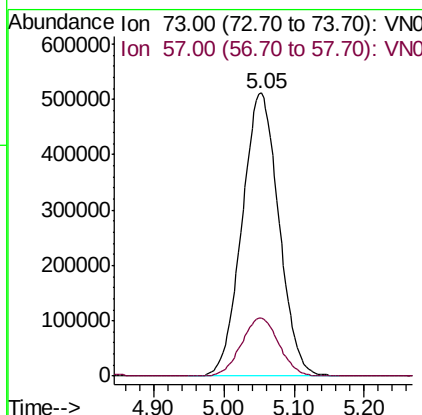
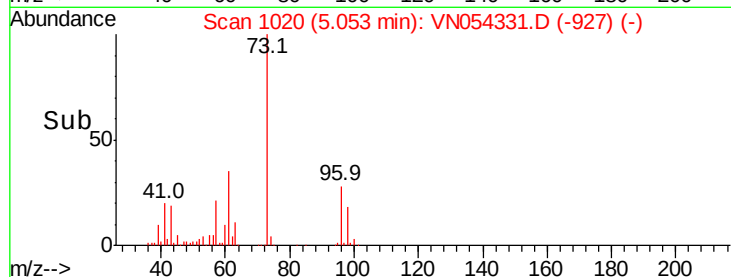
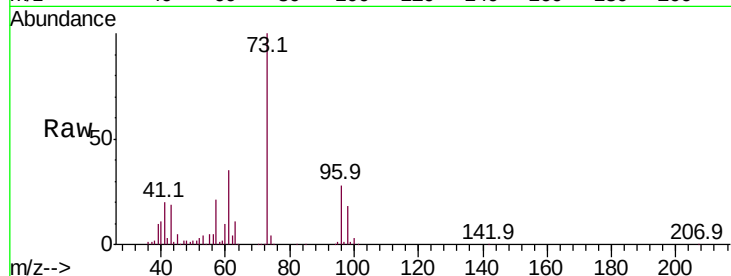
#19
Methvl tert-butvl Ether
Concen: 50.227 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1861782
Ion Ratio Lower Upper
73 100
57 20.5 16.8 25.2

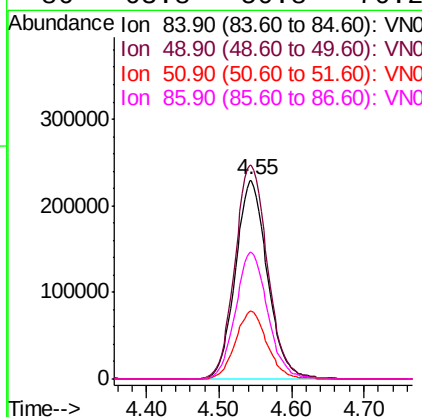
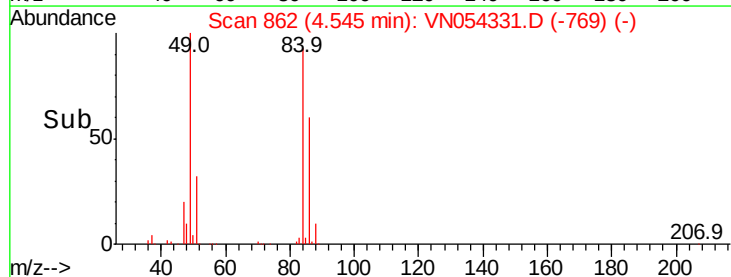
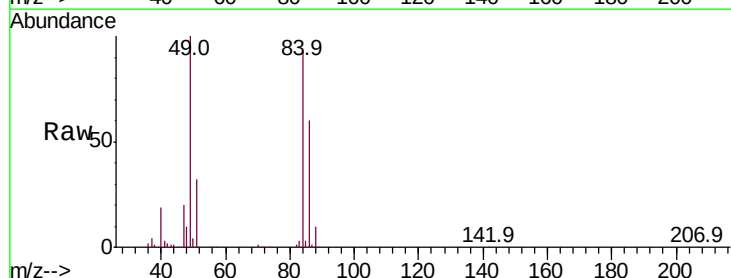
Manual Integrations
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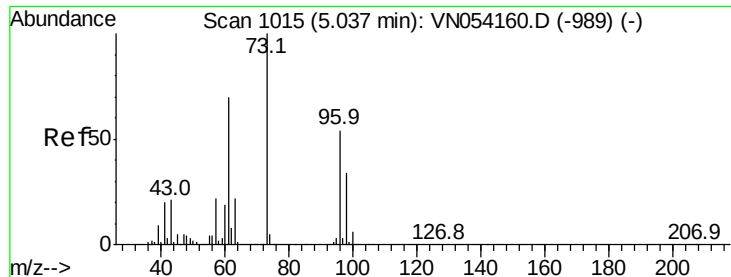
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#20
Methylene Chloride
Concen: 49.120 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Tgt Ion: 84 Resp: 705964
Ion Ratio Lower Upper
84 100
49 107.3 89.7 134.5
51 34.3 28.2 42.4
86 63.8 50.8 76.2





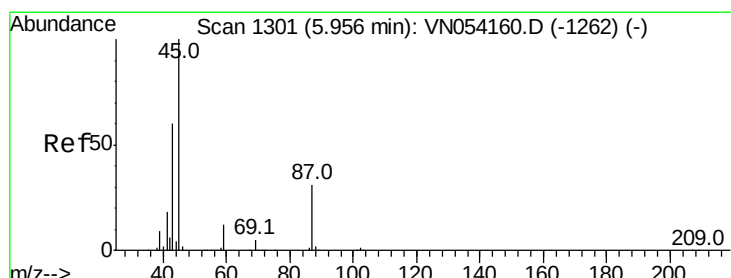
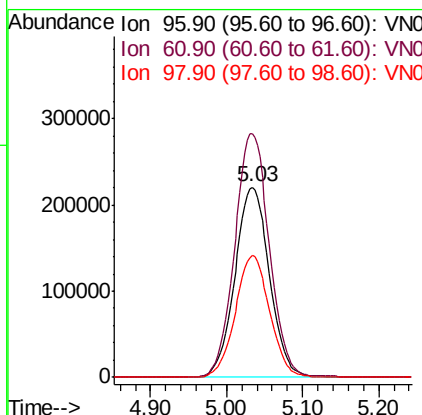
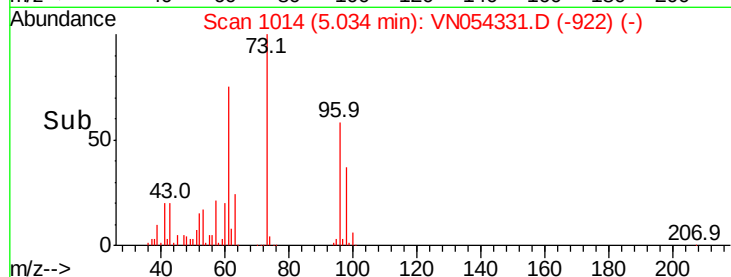
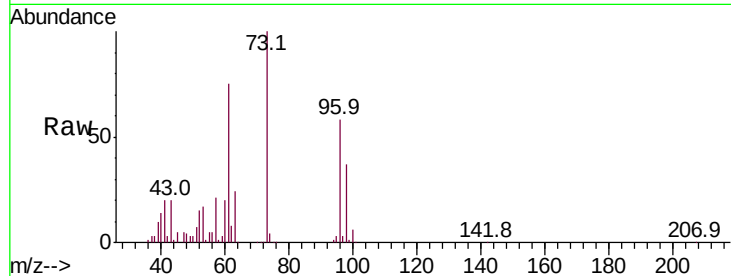
#21
trans-1,2-Dichloroethene
Concen: 48.531 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.9	102.8	154.2
98	63.8	50.0	75.0

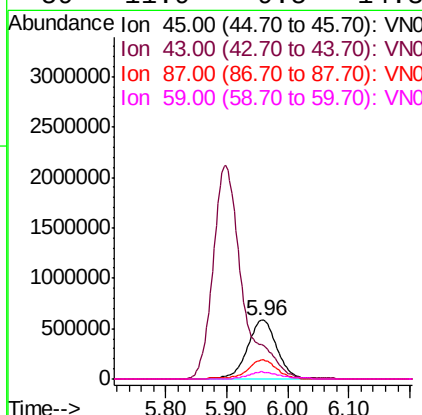
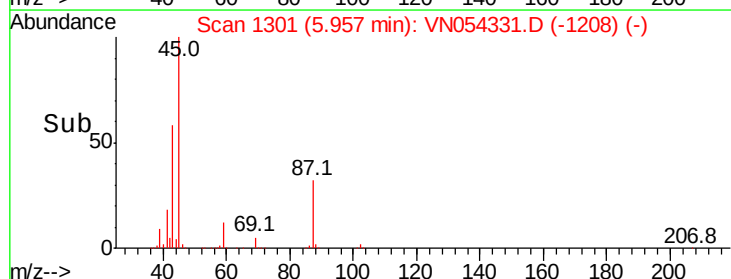
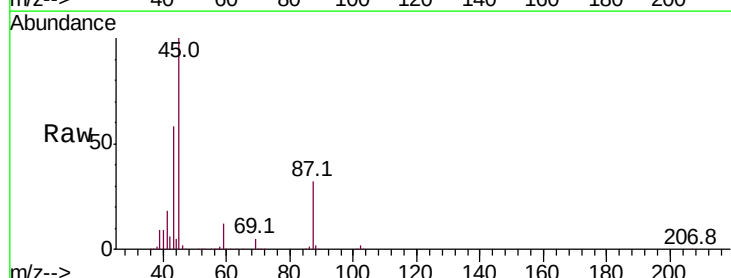
Manual Integrations
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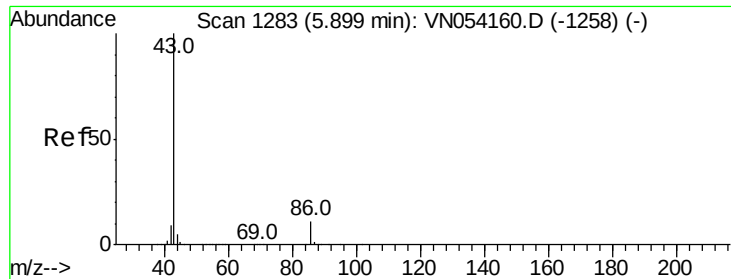
MMDadoda
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#22
Diisopropyl ether
Concen: 51.332 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.3	48.2	72.2
87	31.8	24.9	37.3
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 252.189 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 7120354

Ion Ratio Lower Upper

43 100

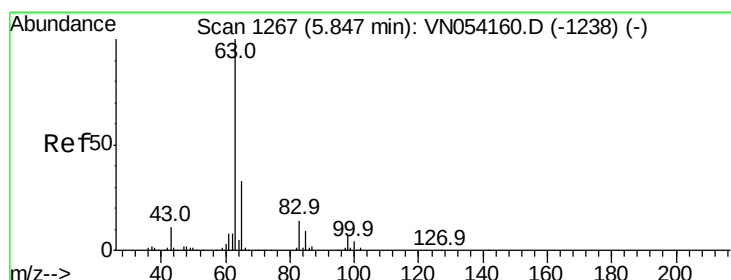
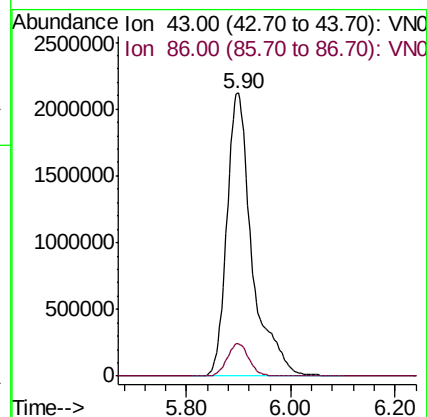
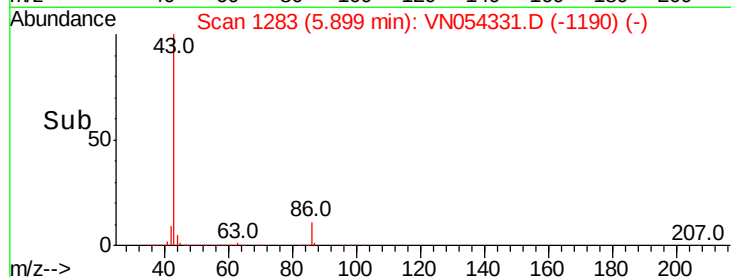
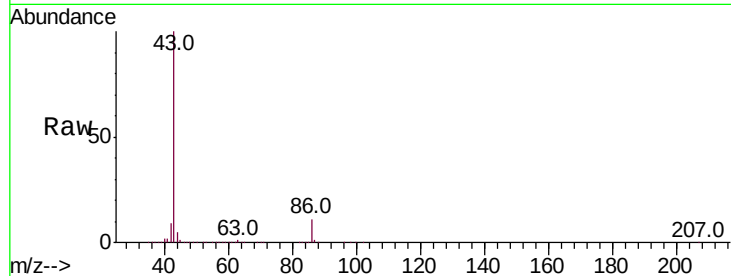
86 11.4 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.473 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

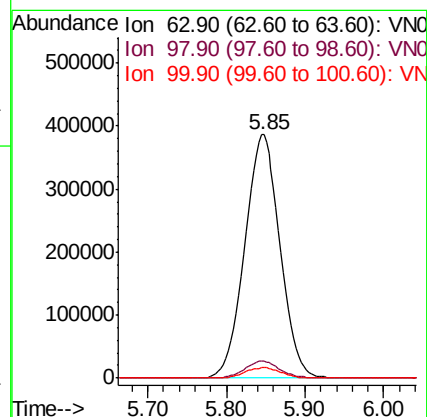
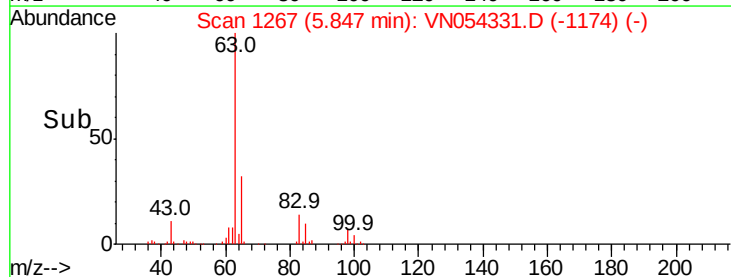
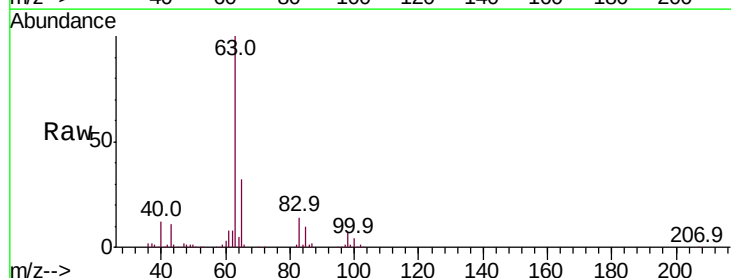
Tgt Ion: 63 Resp: 1216421

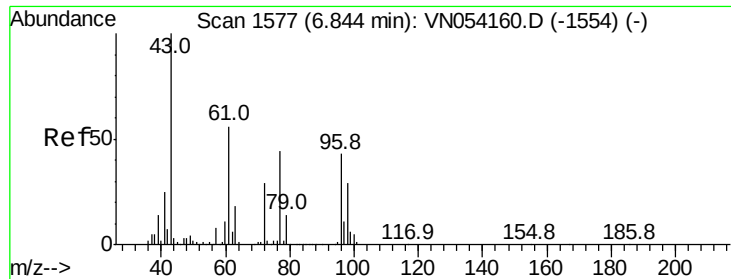
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.3 2.0 6.0





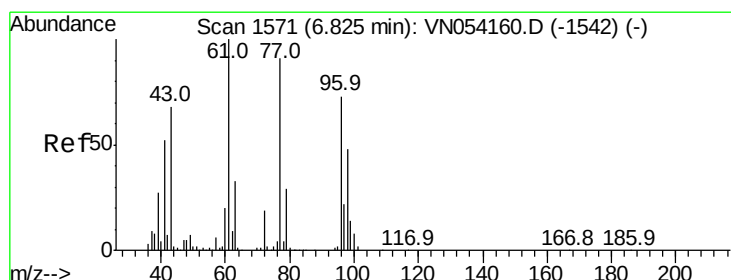
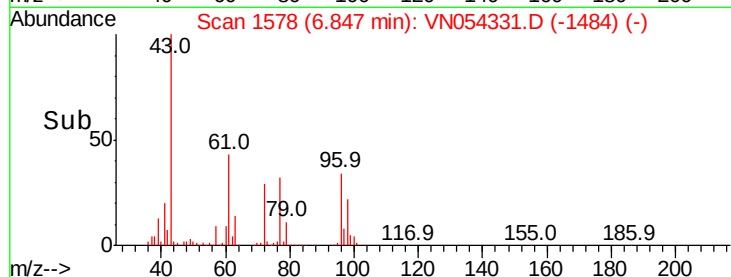
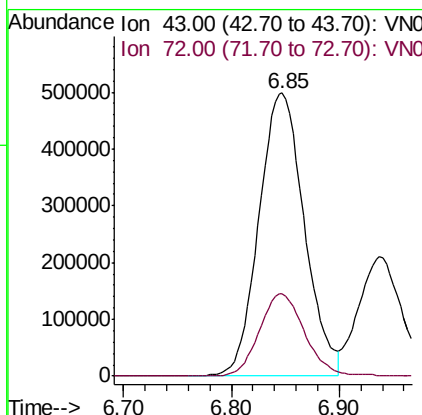
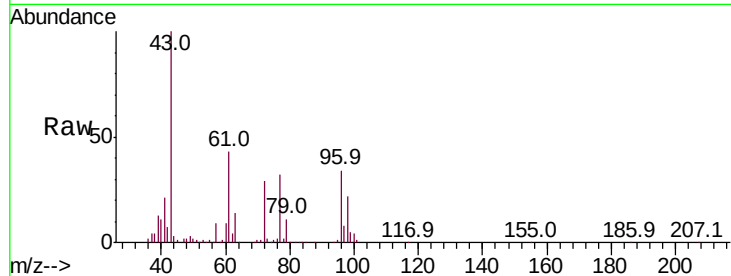
#25
2-Butanone
Concen: 281.649 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1446914
Ion Ratio Lower Upper
43 100
72 29.0 23.0 34.6

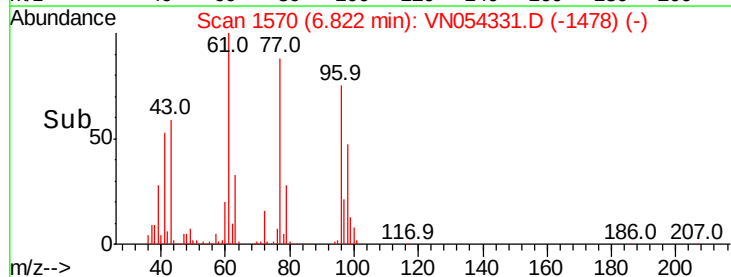
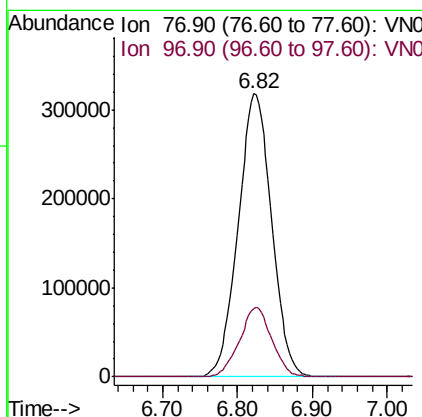
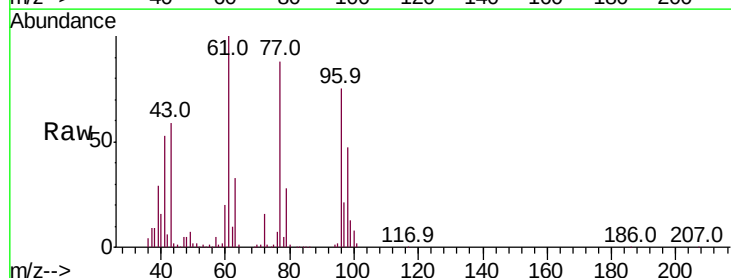
Manual Integrations
APPROVED

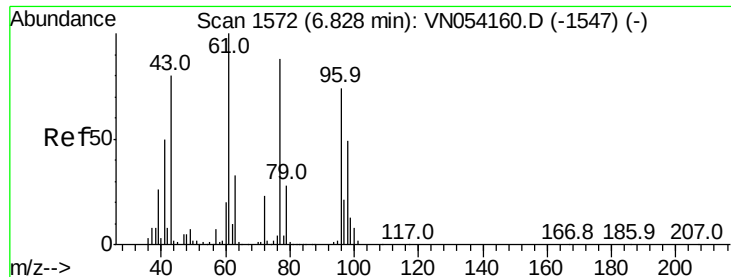
MMDadoda
3/18/2019 11:30:36 AM



#26
2,2-Dichloropropane
Concen: 45.583 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Tgt Ion: 77 Resp: 985623
Ion Ratio Lower Upper
77 100
97 23.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.689 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

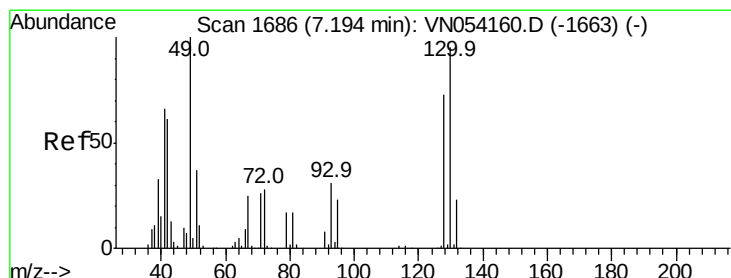
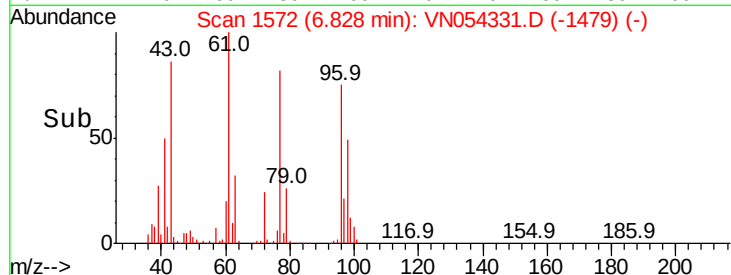
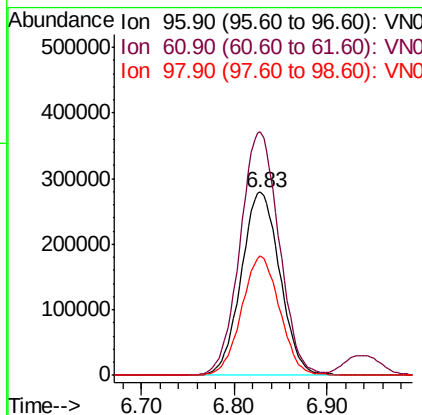
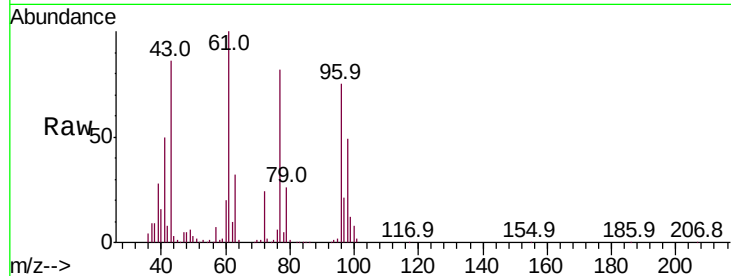
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	810253
Ion	Ratio	Lower	Upper
96	100		
61	133.6	0.0	273.0
98	64.3	0.0	130.6

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#28

Bromochloromethane

Concen: 48.303 ug/l

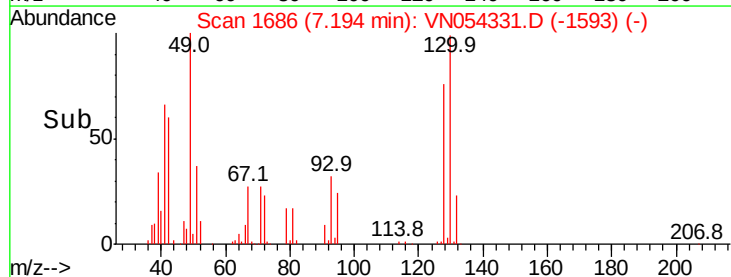
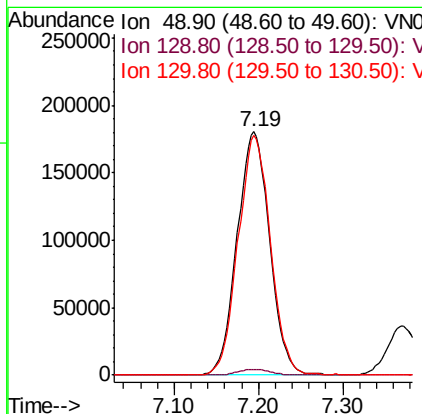
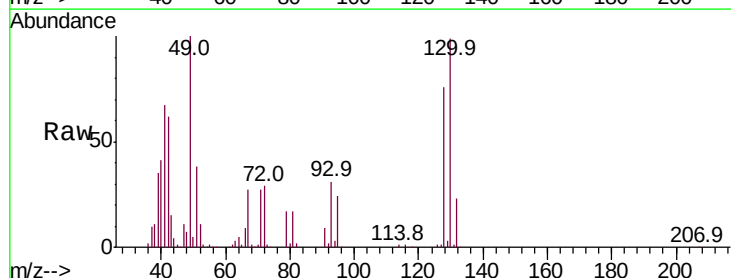
RT: 7.19 min Scan# 1686

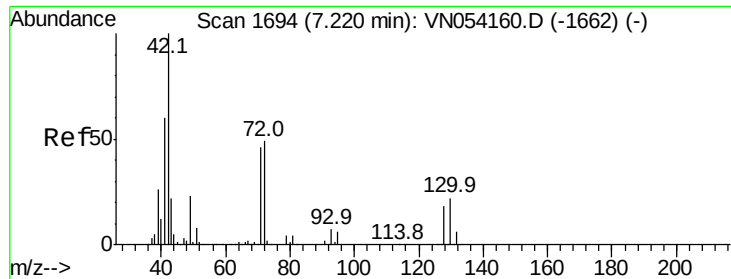
Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Tgt Ion:	49	Resp:	485531
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.6
130	97.7	76.7	115.1





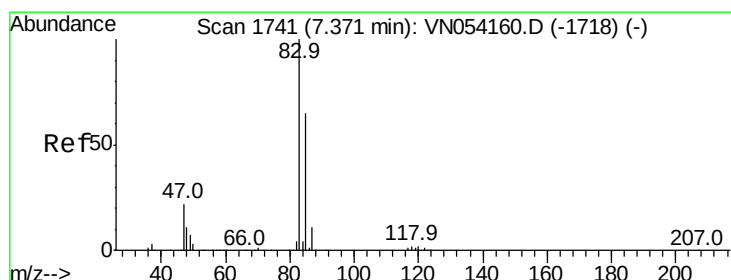
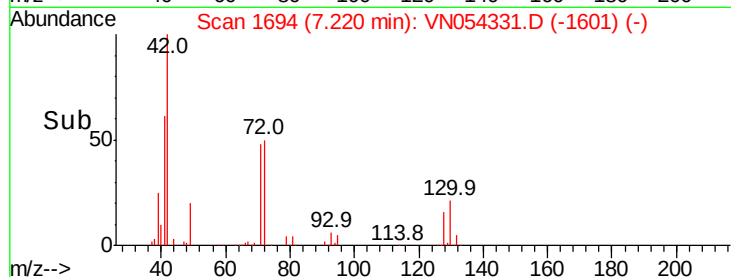
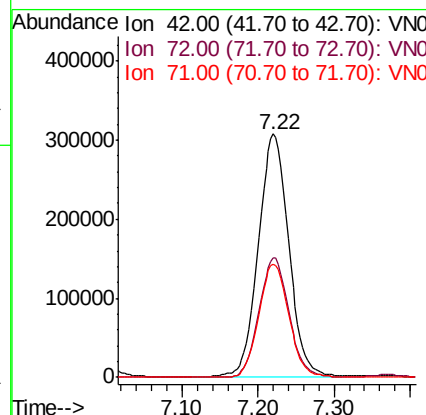
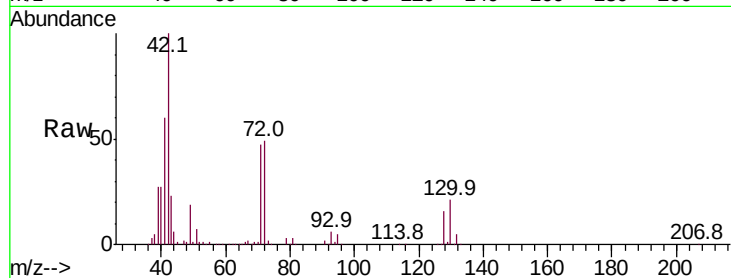
#29
Tetrahydrofuran
Concen: 258.906 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.3	37.8	56.6
71	46.2	36.2	54.2

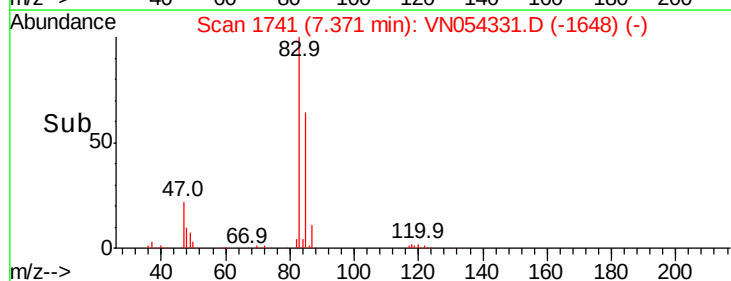
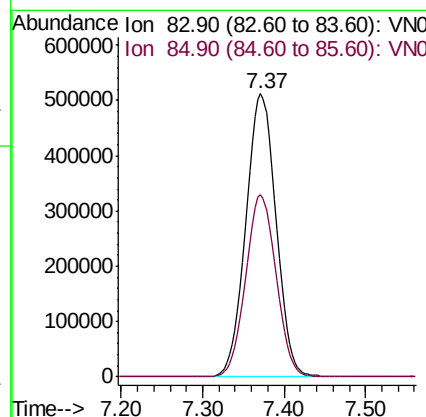
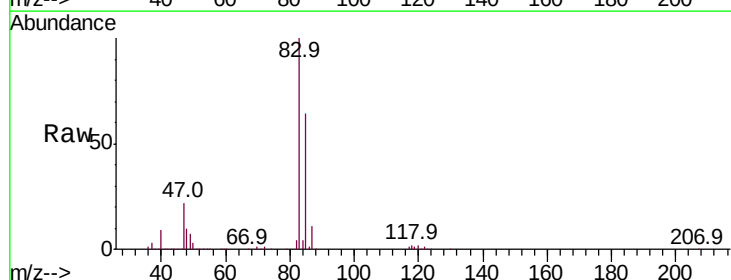
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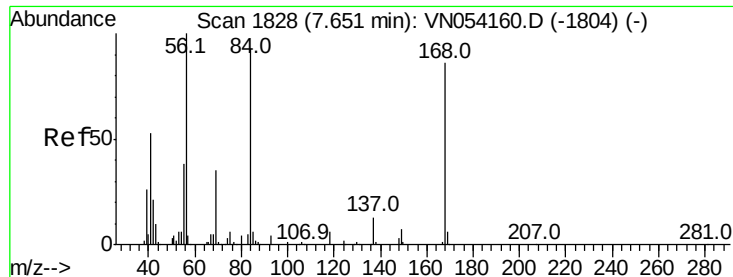
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3/18/2019 11:30:36 AM



#30
Chloroform
Concen: 50.917 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.2	78.4





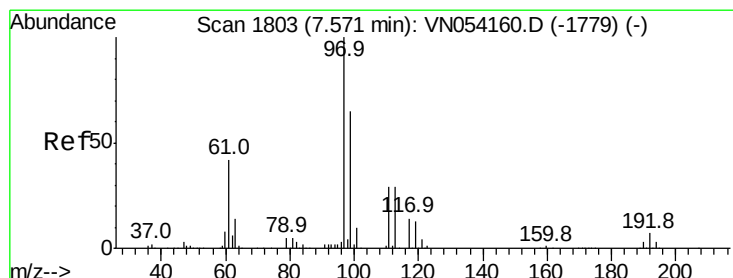
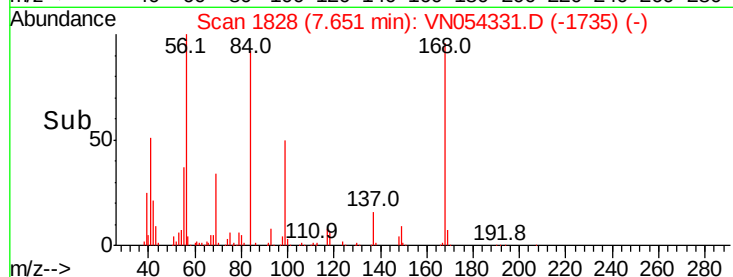
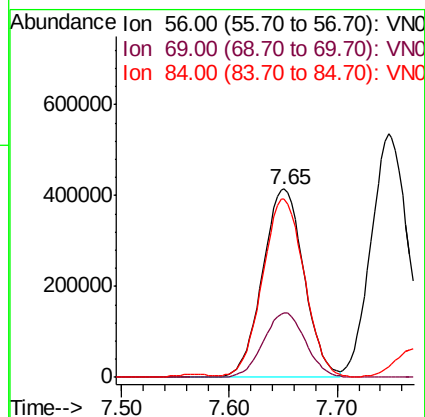
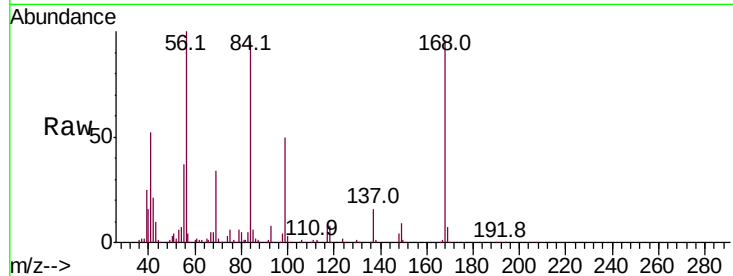
#31
Cyclohexane
Concen: 47.973 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	27.8	41.6
84	93.3	74.6	111.8

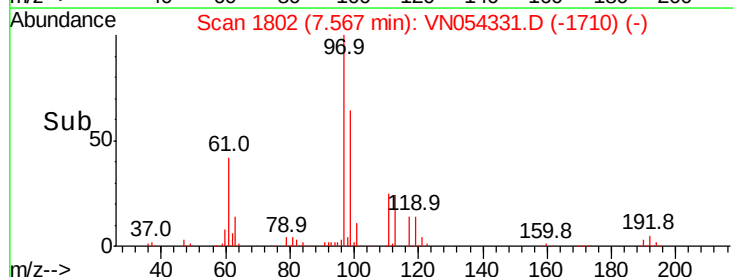
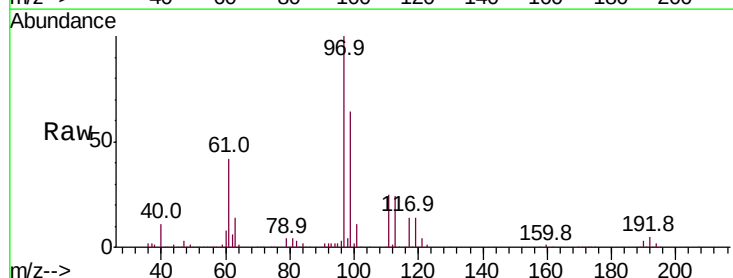
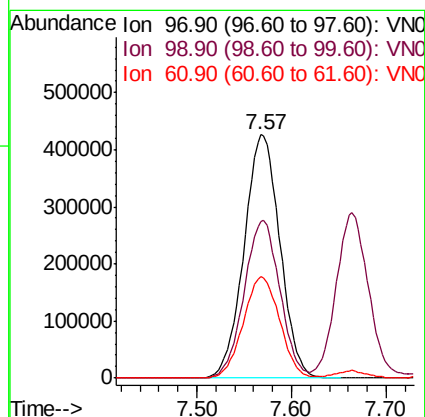
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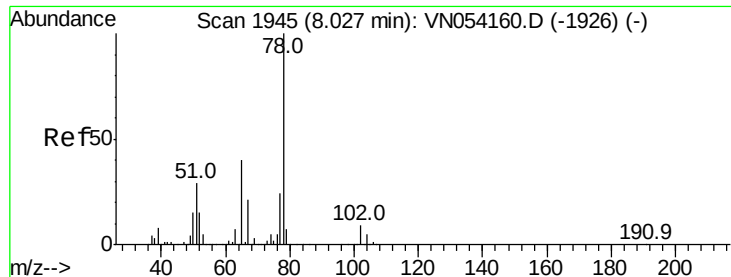
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3/18/2019 11:30:36 AM



#32
1,1,1-Trichloroethane
Concen: 48.402 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.5	77.3
61	42.4	33.6	50.4





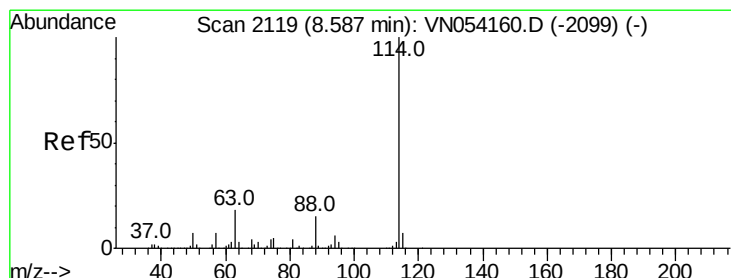
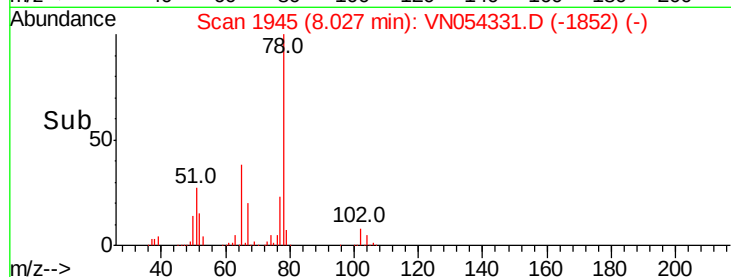
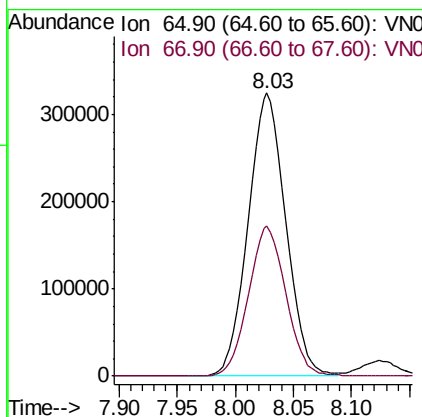
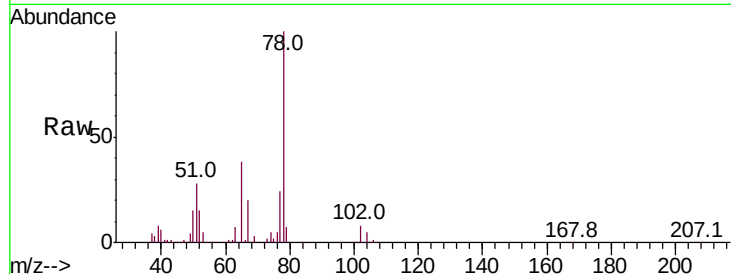
#33
 1,2-Dichloroethane-d4
 Concen: 48.019 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054331.D
 Acq: 16 Mar 2019 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	104.6

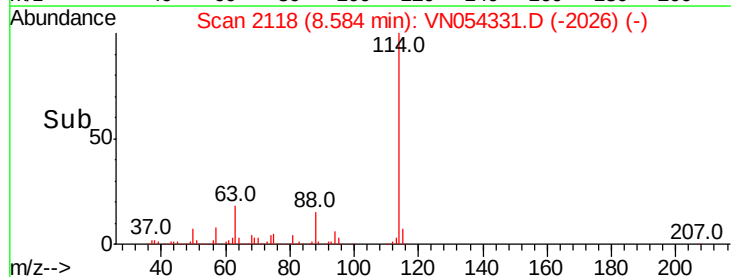
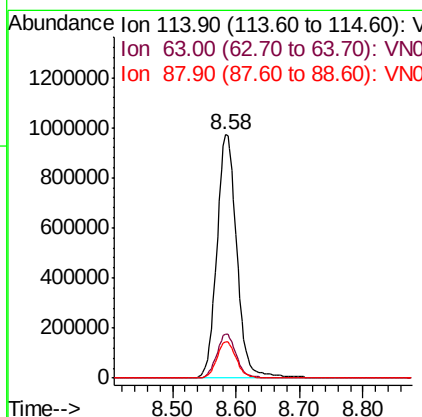
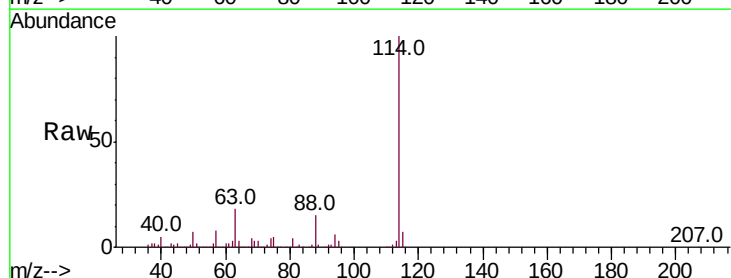
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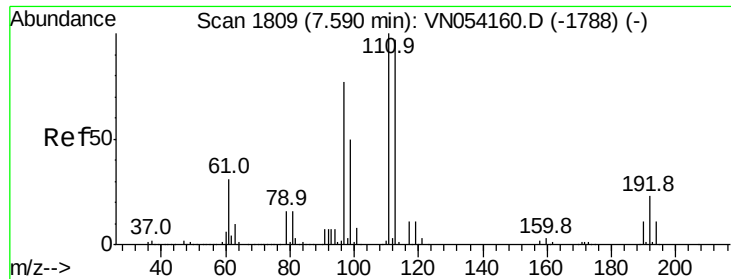
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 3/18/2019 11:30:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054331.D
 Acq: 16 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	35.2
88	14.8	0.0	30.2





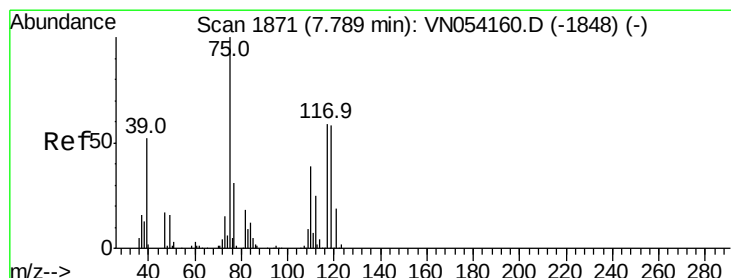
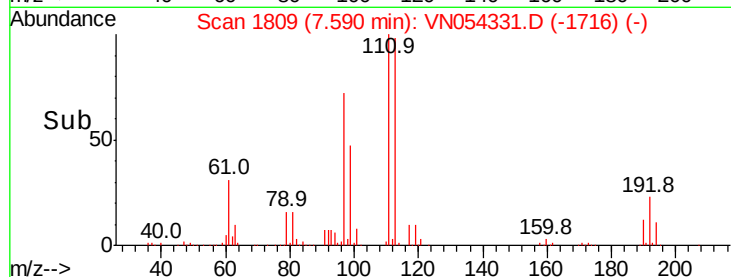
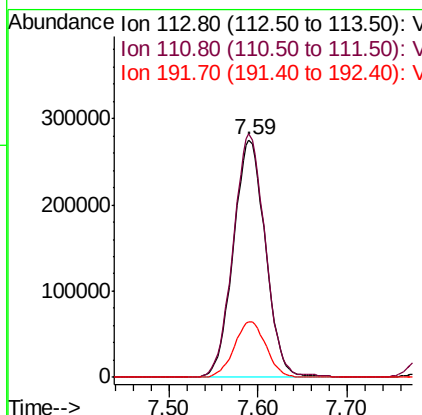
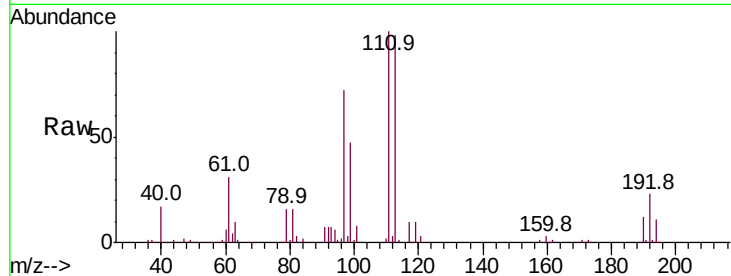
#35
Dibromofluoromethane
Concen: 50.265 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	686162		
111	101.8	82.2	123.4	
192	23.4	19.2	28.8	

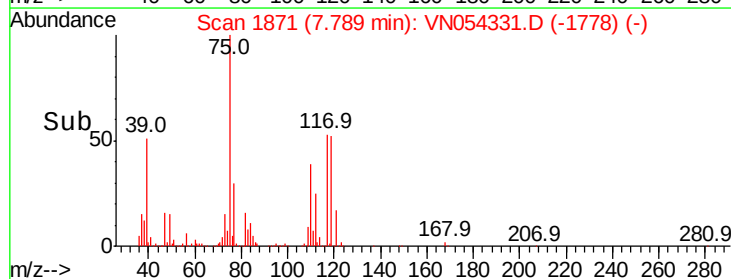
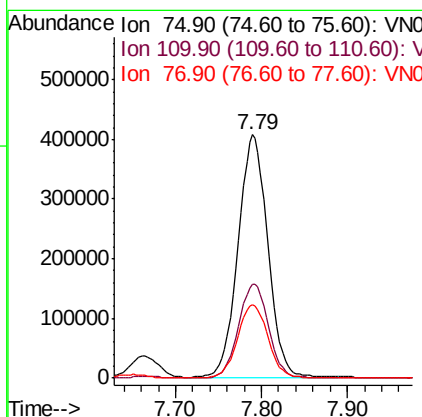
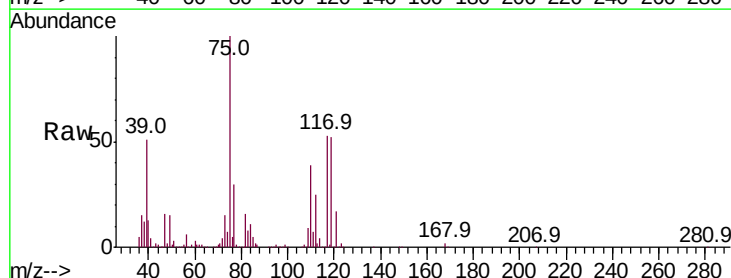
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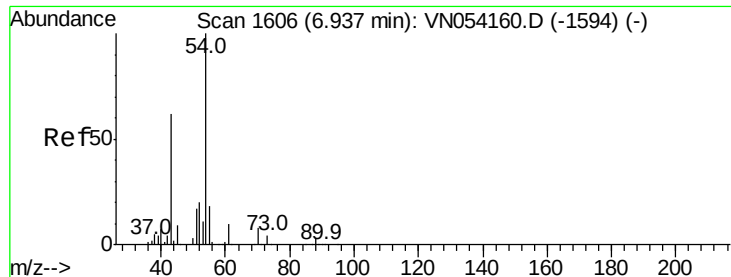
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3/18/2019 11:30:36 AM



#36
1,1-Dichloropropene
Concen: 50.123 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	976977		
110	39.3	19.1	57.5	
77	31.1	25.0	37.4	





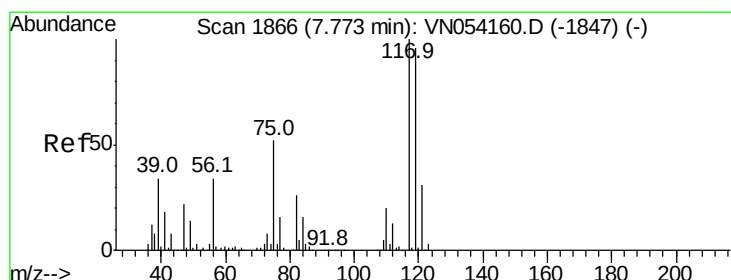
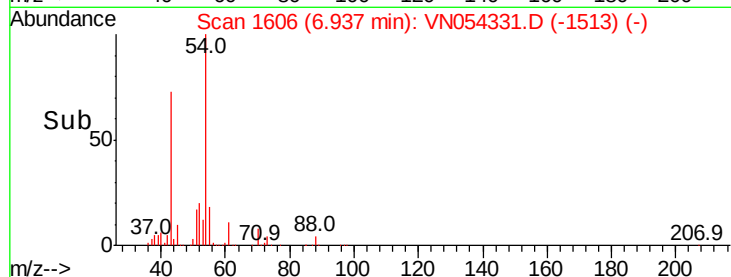
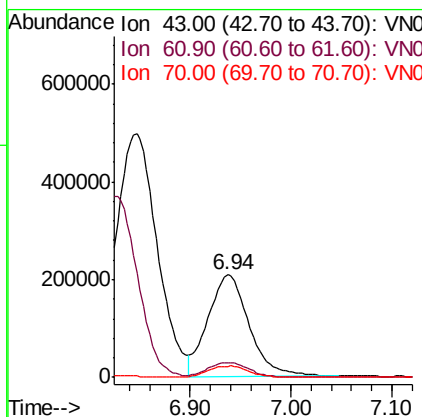
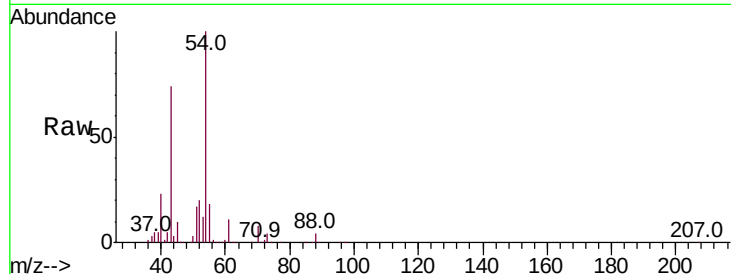
#37
Ethyl Acetate
Concen: 52.580 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.6
70	10.9	8.4	12.6

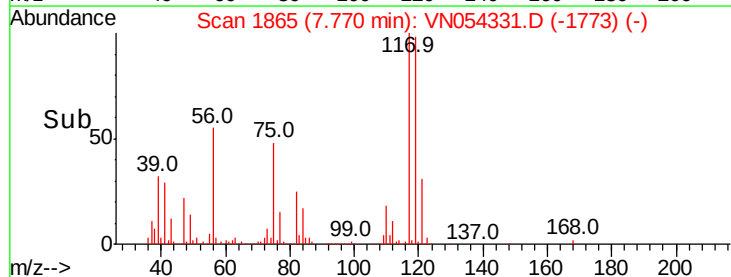
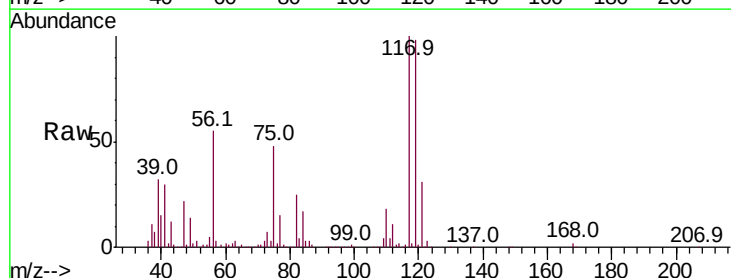
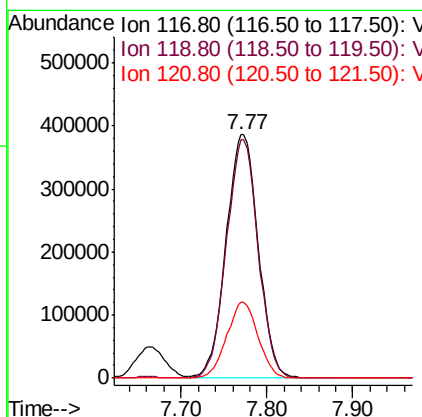
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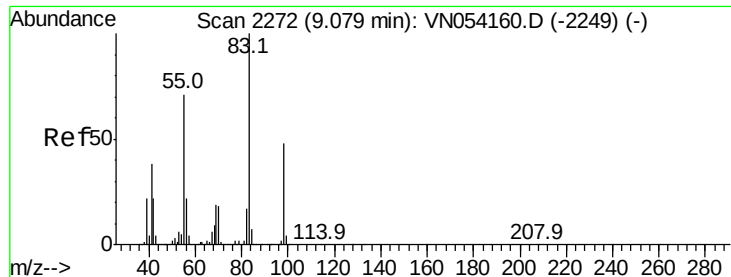
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3/18/2019 11:30:36 AM



#38
Carbon Tetrachloride
Concen: 48.906 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.3	114.5
121	31.2	24.6	36.8





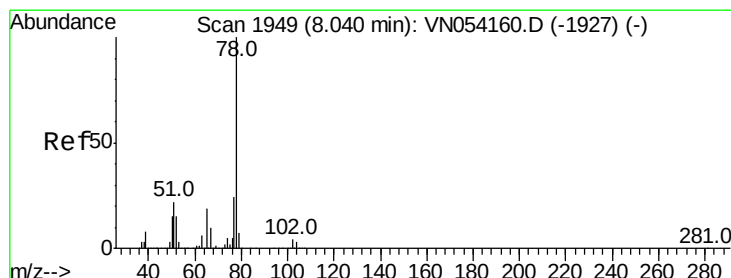
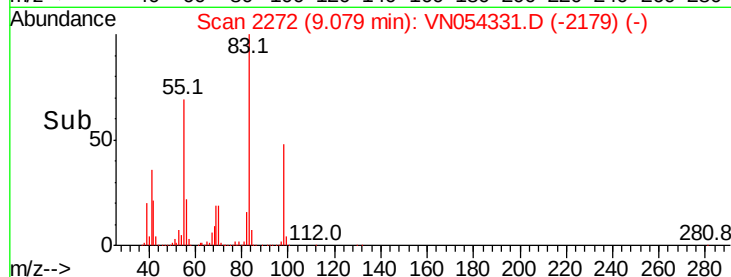
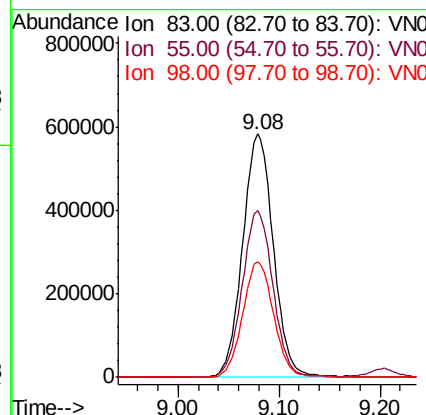
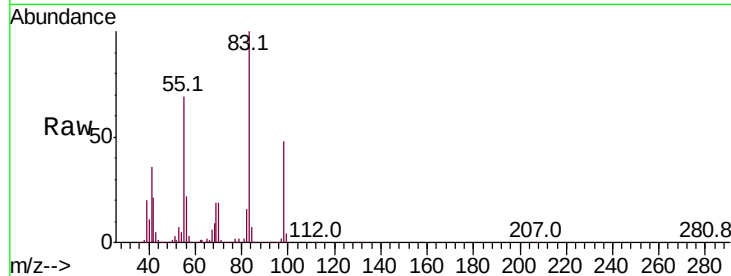
#39
Methylvlcyclohexane
Concen: 51.251 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	1229119
Ion	Ratio	Lower	Upper
83	100		
55	68.6	56.6	84.8
98	47.7	38.4	57.6

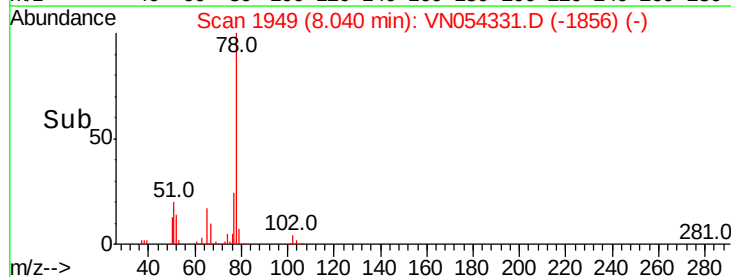
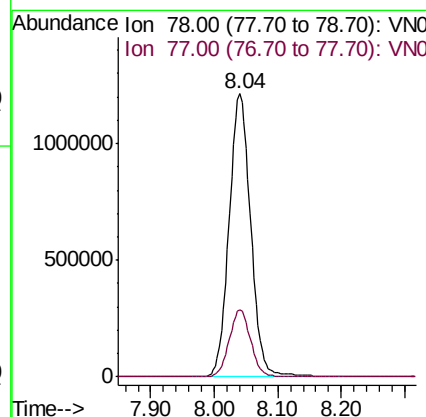
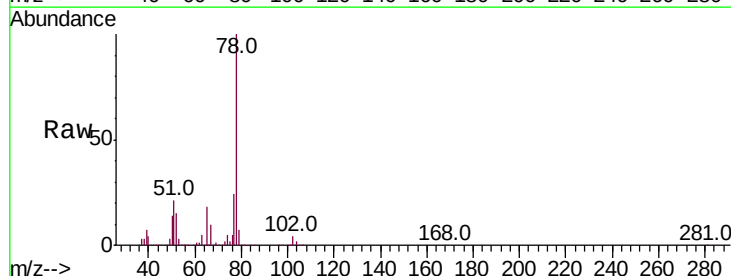
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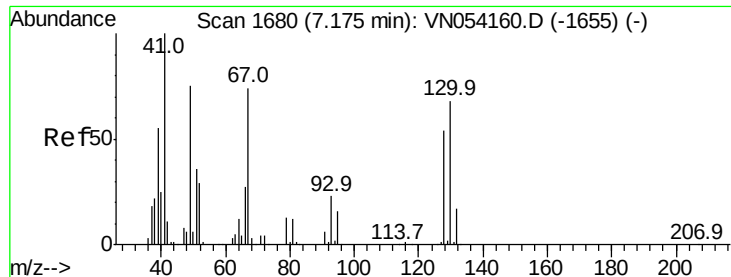
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#40
Benzene
Concen: 51.374 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Tgt Ion	78	Resp	2865510
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





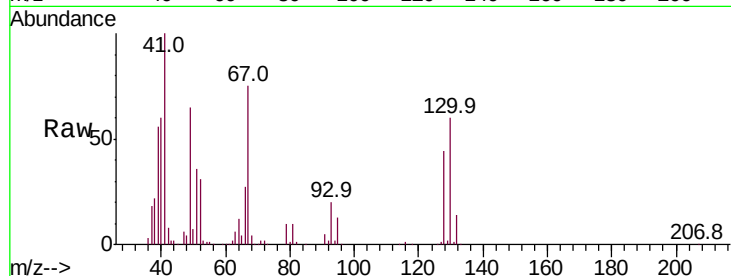
#41
Methacrylonitrile
Concen: 50.652 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

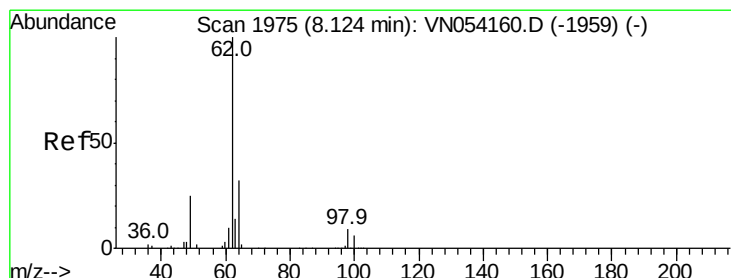
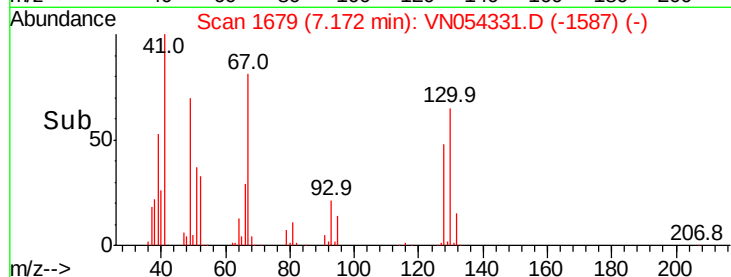
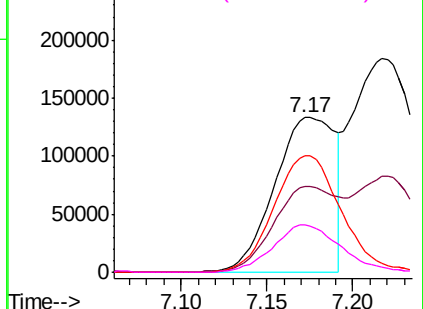
Tot Ion	Ratio	Lower	Upper
41	100		
39	59.4	46.8	70.2
67	84.7	67.0	100.4
52	33.9	26.5	39.7

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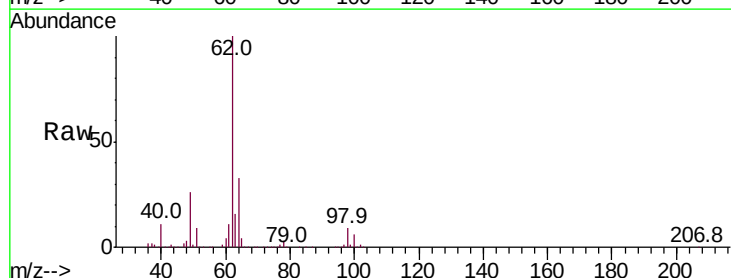


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

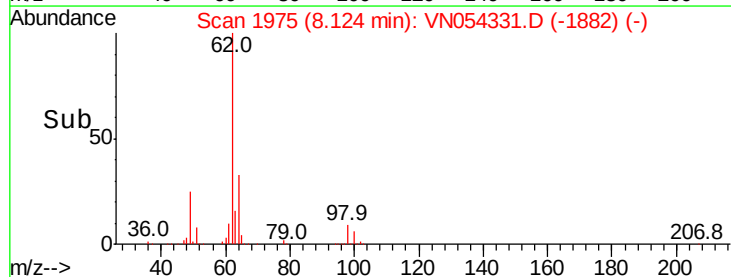
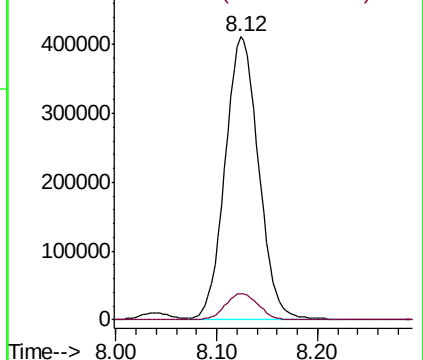


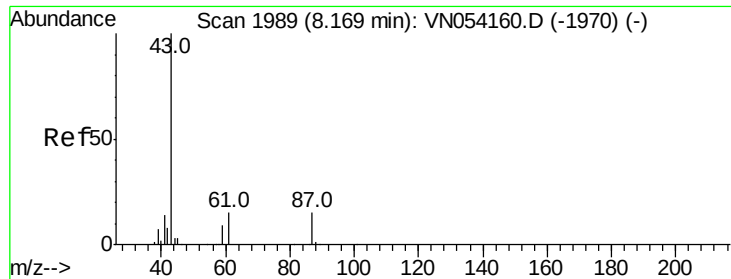
#42
1,2-Dichloroethane
Concen: 50.368 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	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: 50.575 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

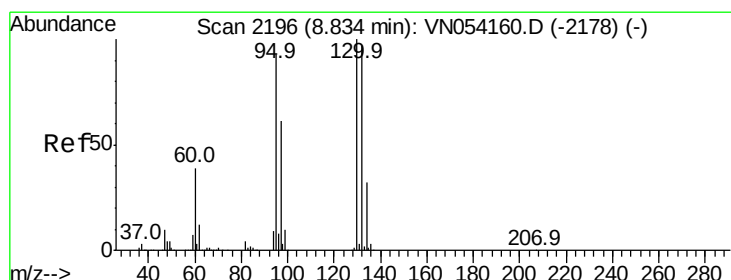
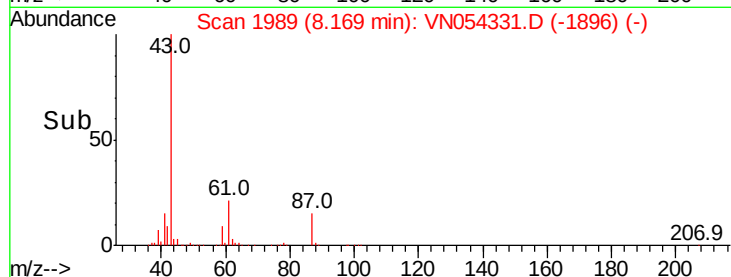
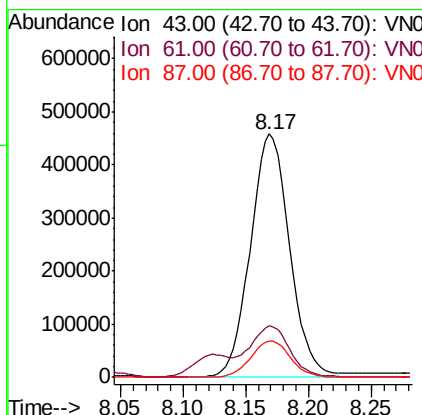
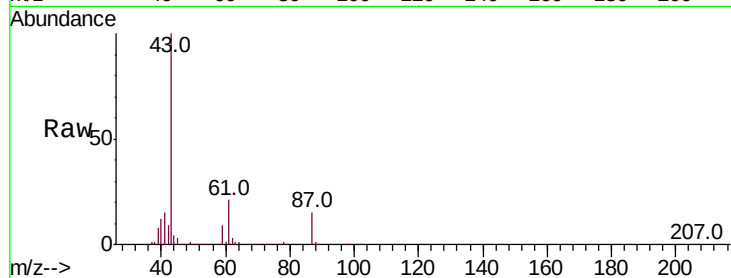
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	994240
Ion	Ratio	Lower	Upper
43	100		
61	21.0	15.8	23.8
87	15.3	12.0	18.0

Manual Integrations
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3/18/2019 11:30:36 AM



#44

Trichloroethene

Concen: 50.330 ug/l

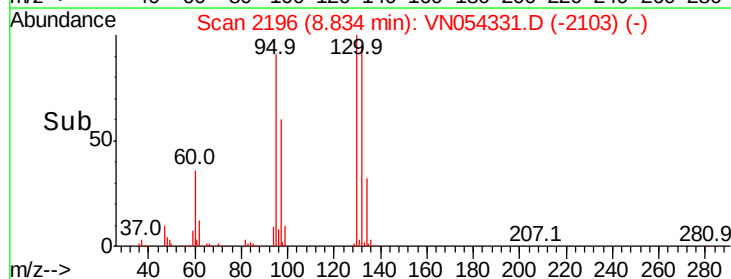
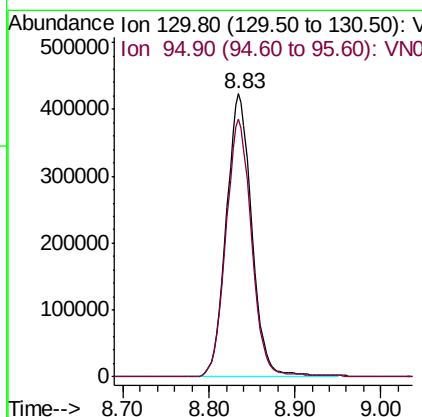
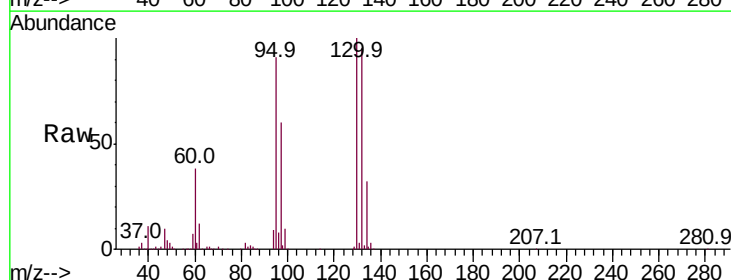
RT: 8.83 min Scan# 2196

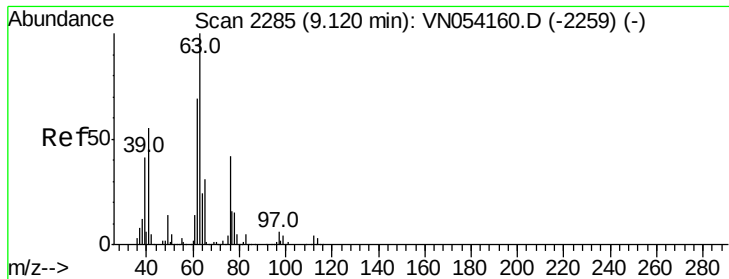
Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Tgt Ion:	130	Resp:	872081
Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	185.2





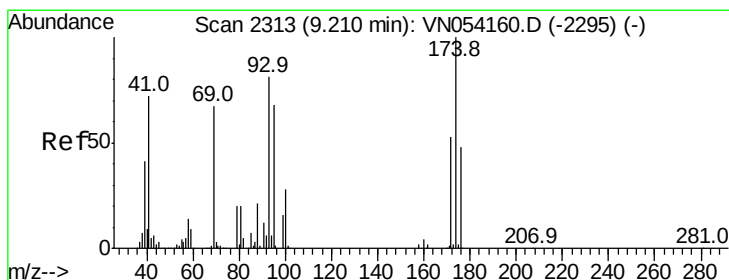
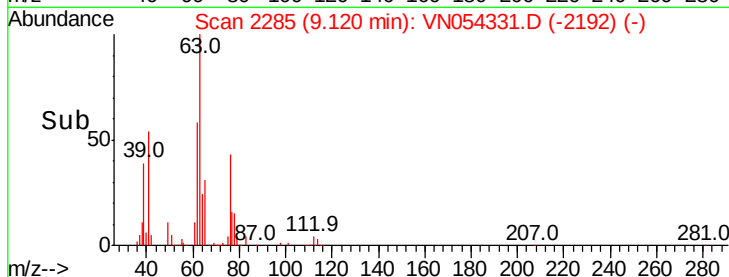
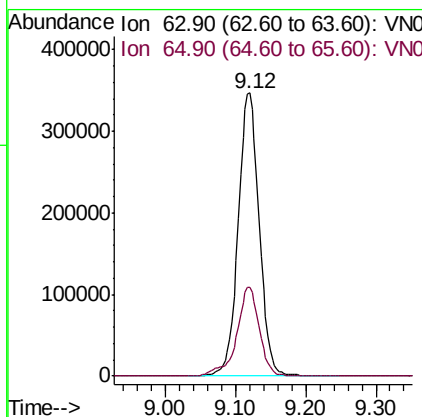
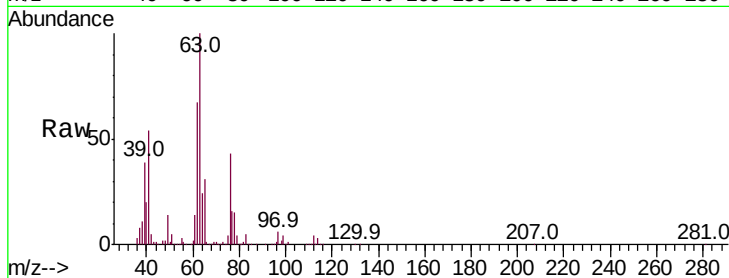
#45
 1,2-Dichloropropane
 Concen: 52.126 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054331.D
 Acq: 16 Mar 2019 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.0	37.6

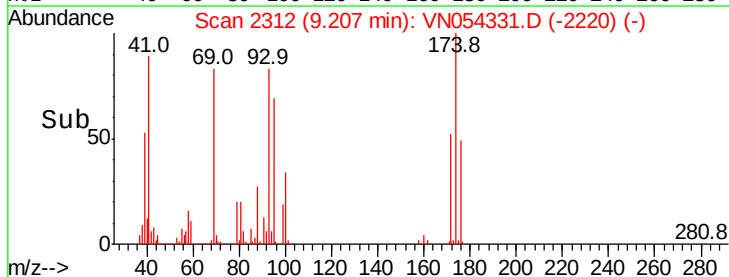
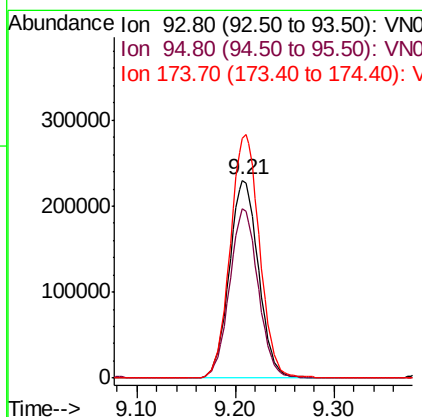
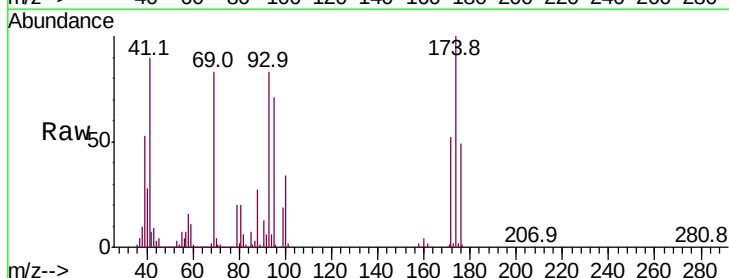
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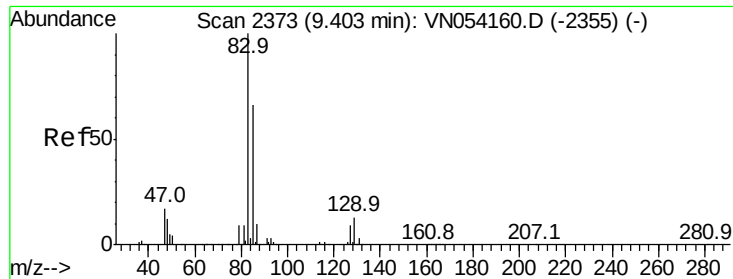
MMDadoda
 3/18/2019 11:30:36 AM



#46
 Dibromomethane
 Concen: 50.690 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054331.D
 Acq: 16 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.7	100.1
174	122.8	98.5	147.7





#47

Bromodichloromethane

Concen: 51.774 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

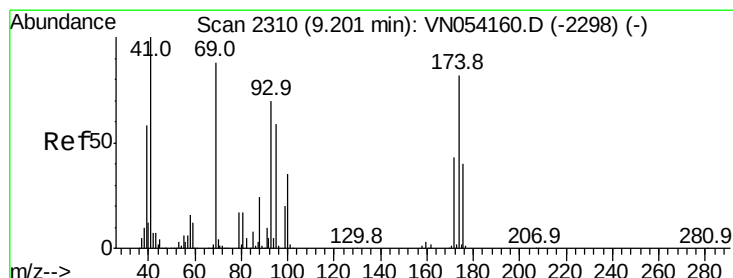
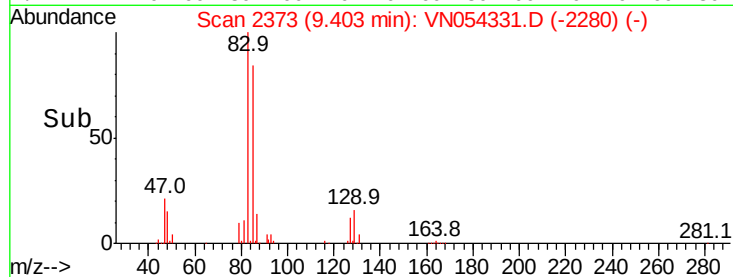
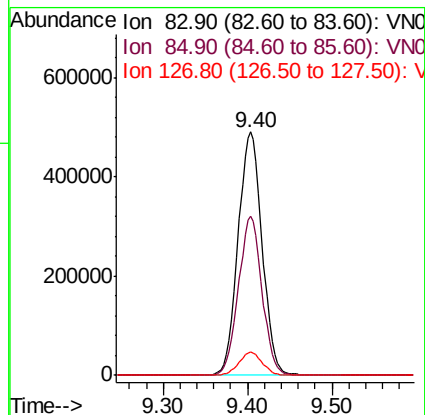
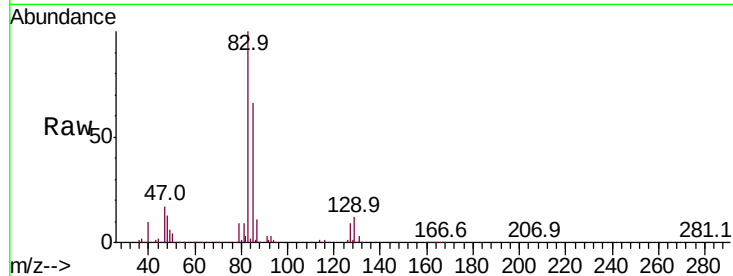
ClientSampleId :

VSTDCCC050

Tot Ion	83	Resp	971286
Ion Ratio	Lower	Upper	
83	100		
85	65.6	52.8	79.2
127	9.5	7.4	11.2

Manual Integrations
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3/18/2019 11:30:36 AM



#48

Methyl methacrylate

Concen: 53.423 ug/l

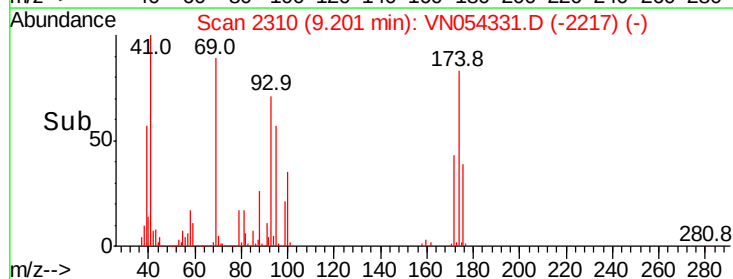
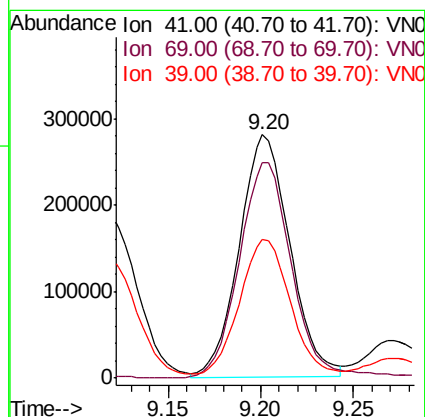
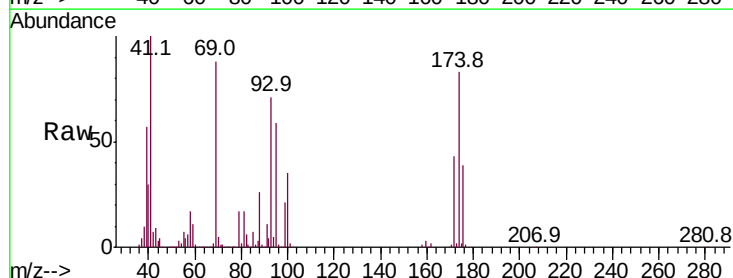
RT: 9.20 min Scan# 2310

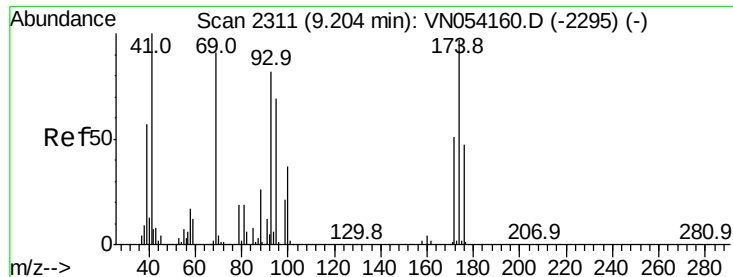
Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Tgt Ion	41	Resp	532974
Ion Ratio	Lower	Upper	
41	100		
69	91.9	72.6	108.8
39	57.7	47.5	71.3





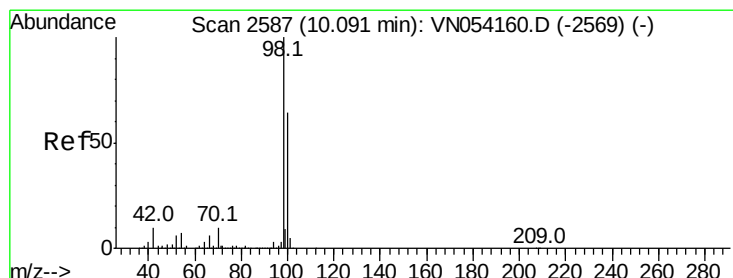
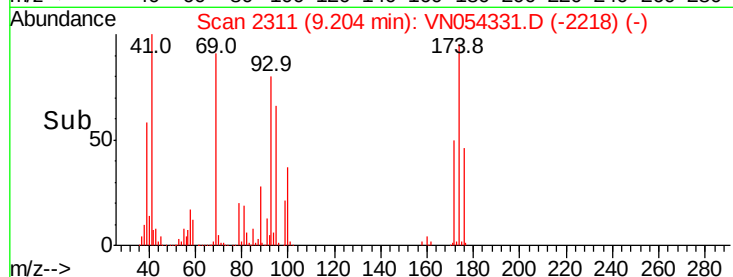
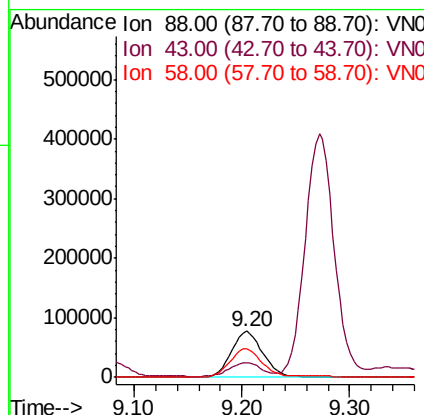
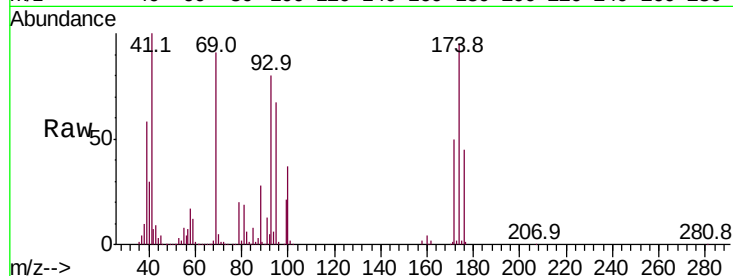
#49
1,4-Dioxane
Concen: 1128.284 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	24.1	36.1
58	63.0	50.8	76.2

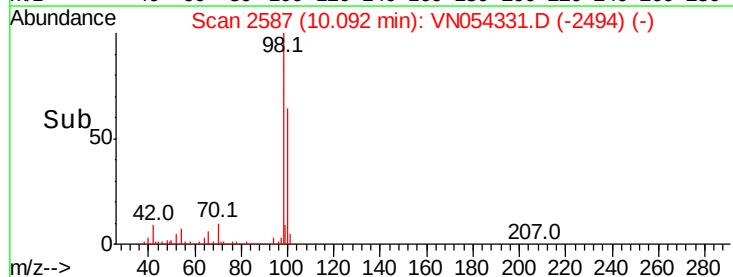
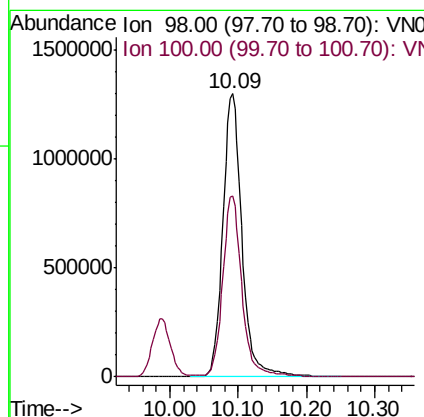
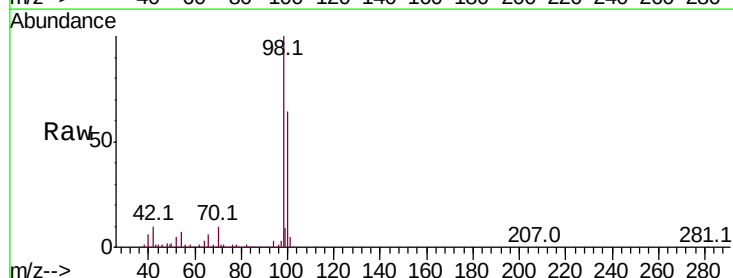
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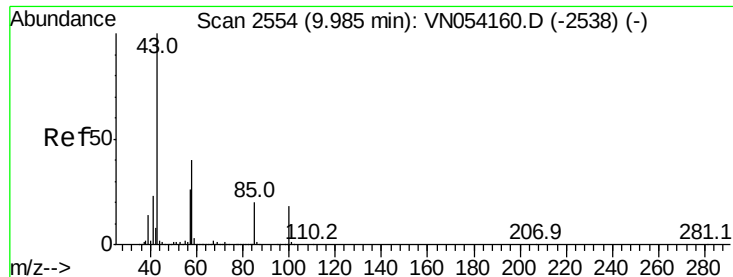
MMDadoda
3/18/2019 11:30:36 AM



#50
Toluene-d8
Concen: 50.174 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 276.334 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2874822

Ion Ratio Lower Upper

43 100

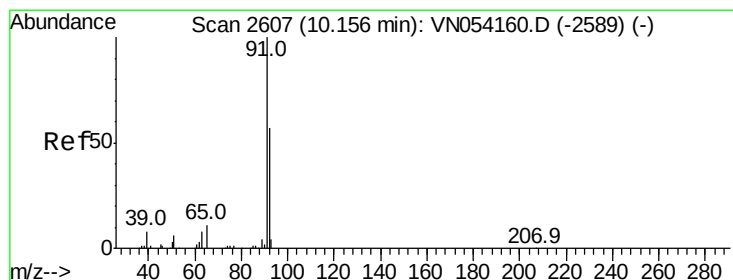
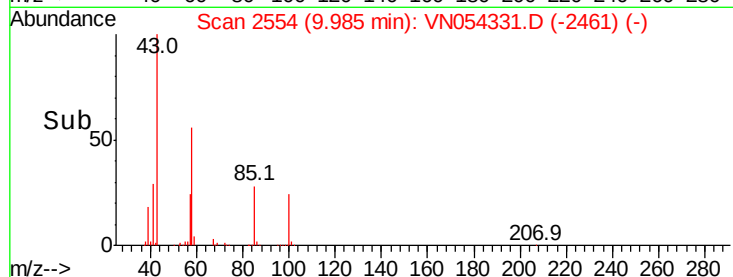
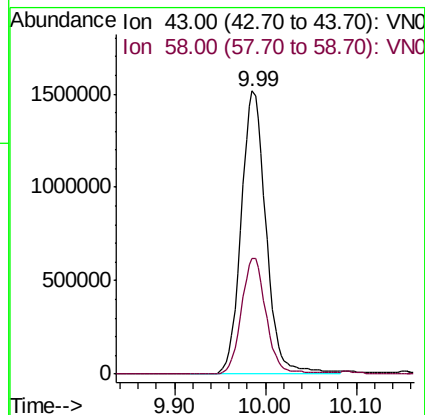
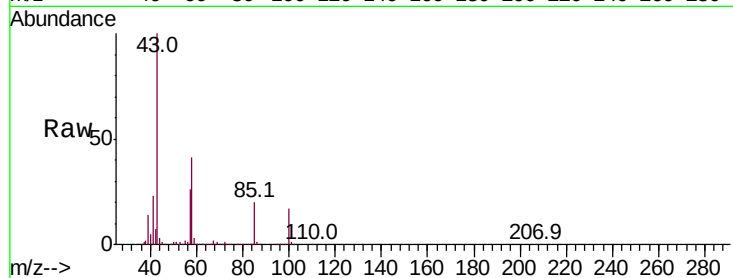
58 40.7 31.8 47.6

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#52

Toluene

Concen: 51.714 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054331.D

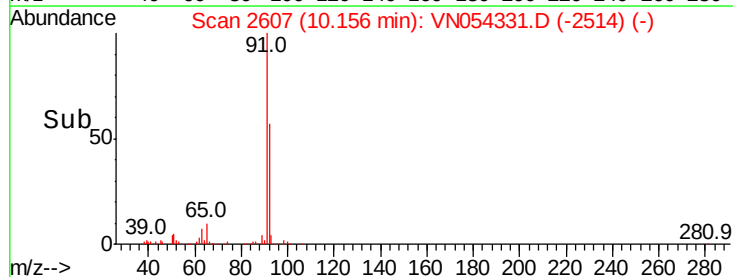
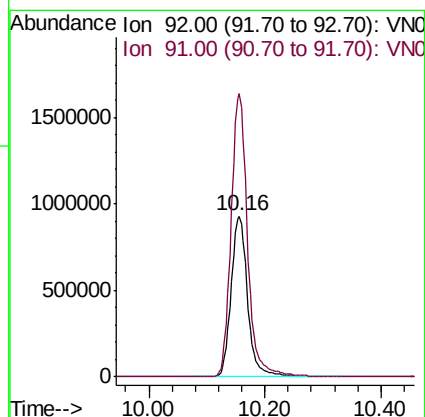
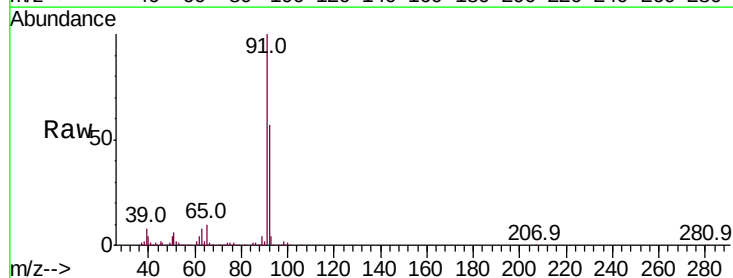
Acq: 16 Mar 2019 11:59

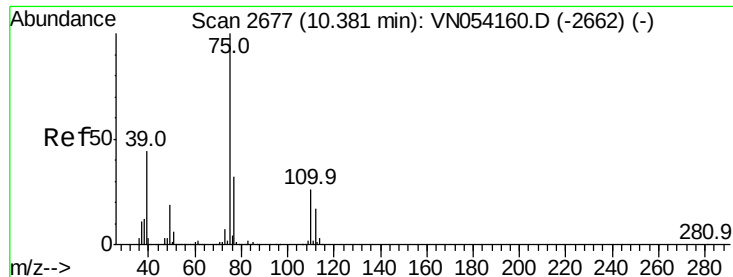
Tgt Ion: 92 Resp: 1828962

Ion Ratio Lower Upper

92 100

91 174.9 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 44.181 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 942829

Ion Ratio Lower Upper

75 100

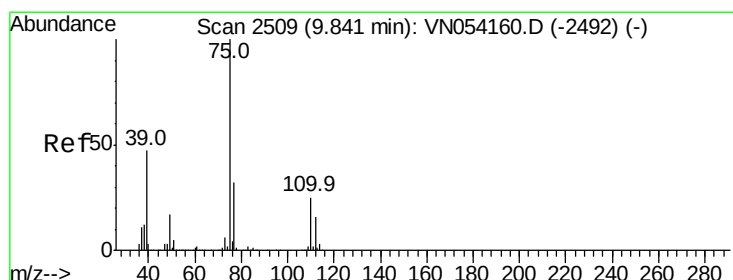
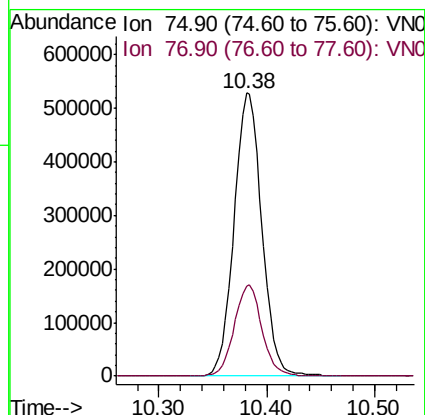
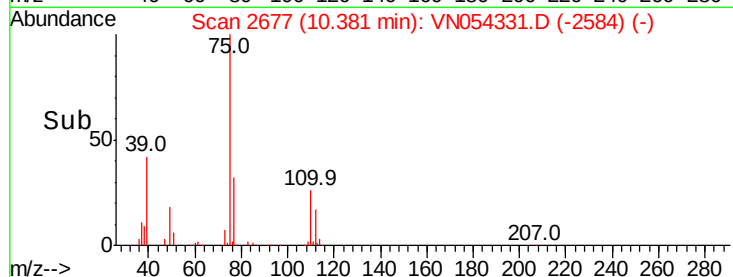
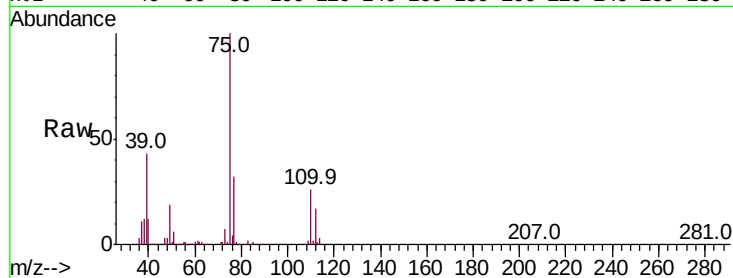
77 31.7 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 50.900 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

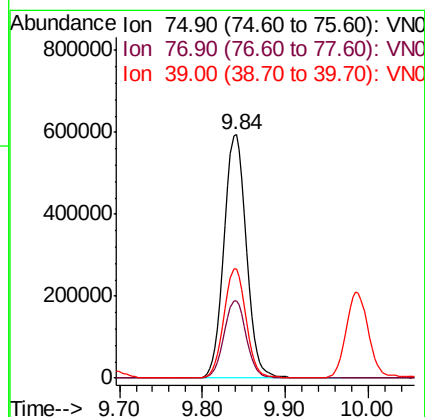
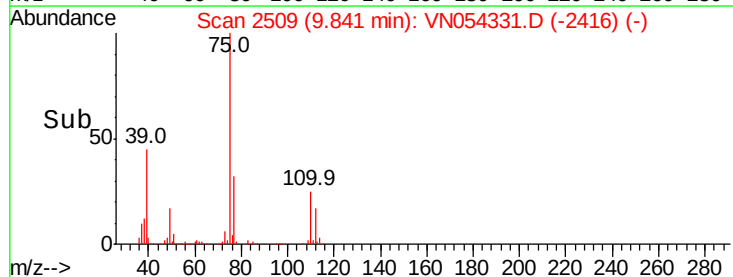
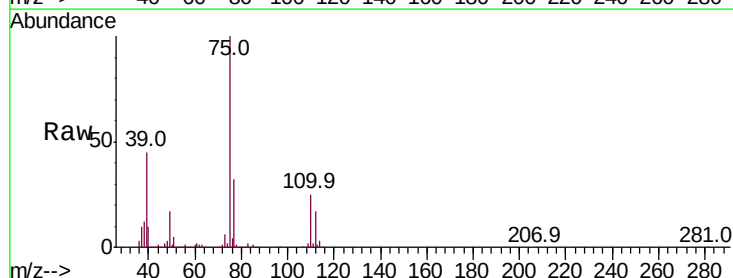
Tgt Ion: 75 Resp: 1112754

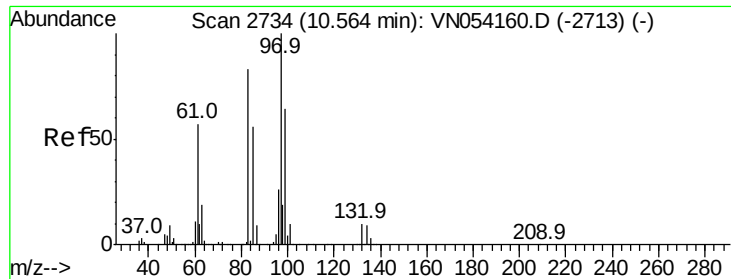
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 45.0 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 52.414 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

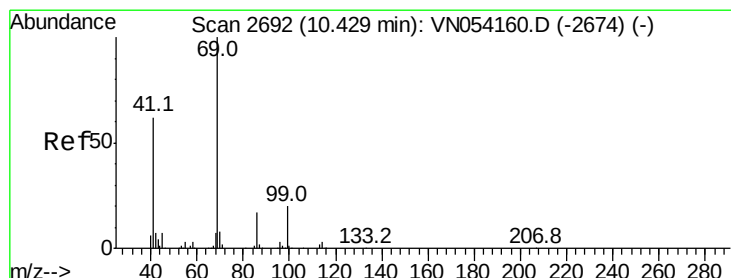
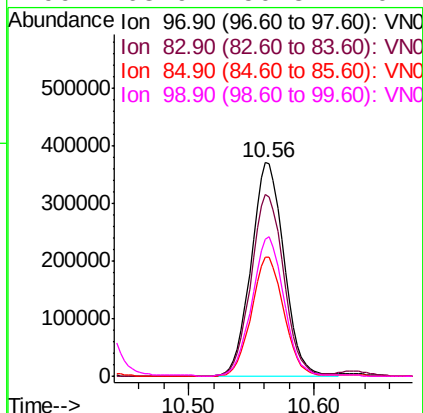
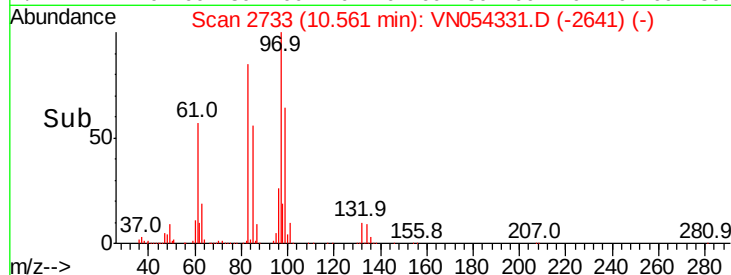
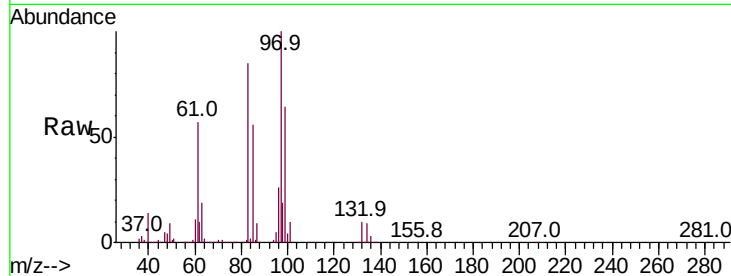
ClientSampled :

VSTDCCC050

Tot Ion:	97	Resp:	676863
Ion	Ratio	Lower	Upper
97	100		
83	85.1	66.6	100.0
85	55.9	44.4	66.6
99	63.9	50.8	76.2

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#56

Ethyl methacrylate

Concen: 54.319 ug/l

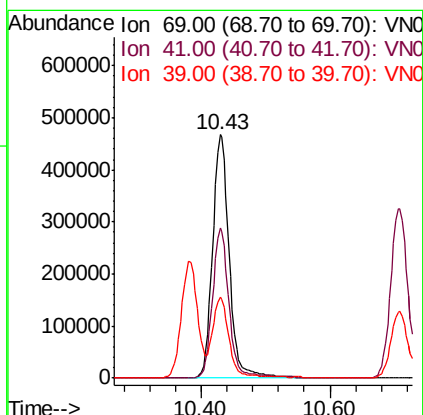
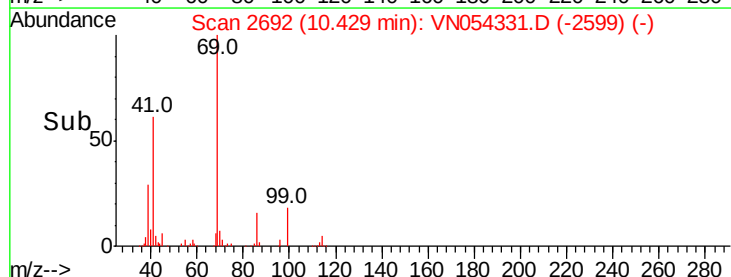
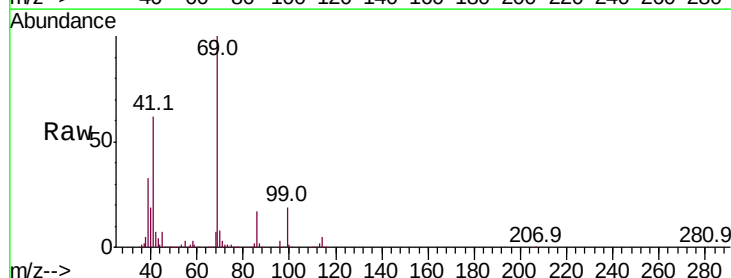
RT: 10.43 min Scan# 2692

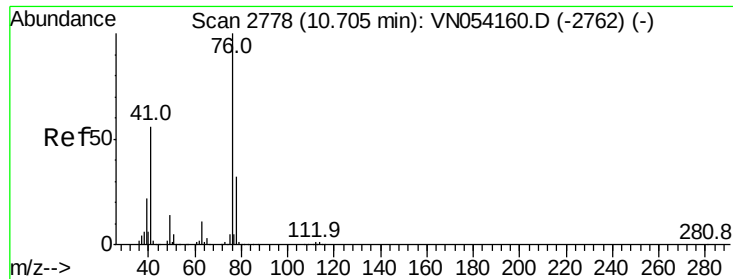
Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Tgt Ion:	69	Resp:	836408
Ion	Ratio	Lower	Upper
69	100		
41	59.7	49.4	74.2
39	32.3	28.3	42.5





#57

1,3-Dichloropropane

Concen: 52.858 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

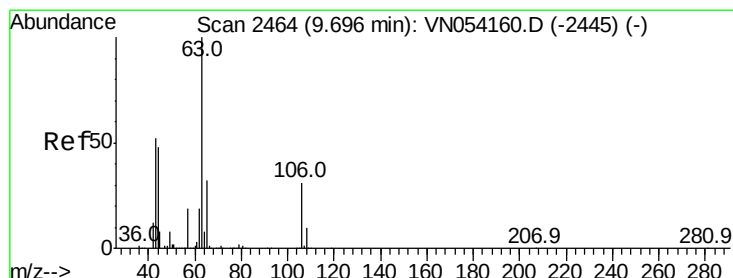
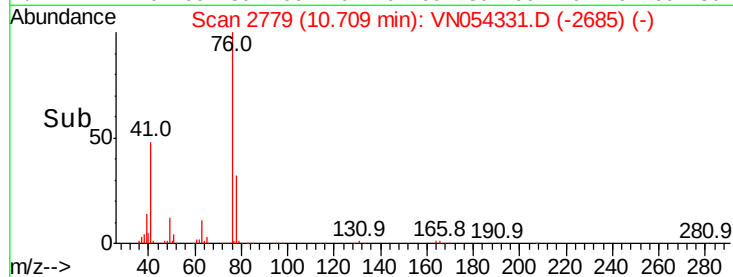
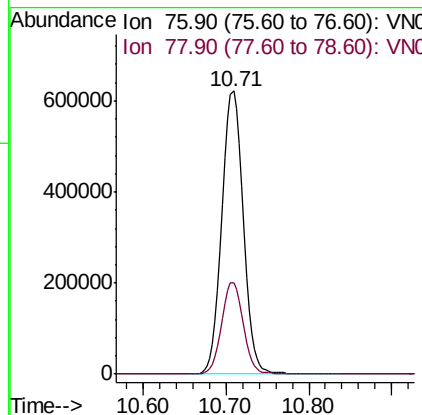
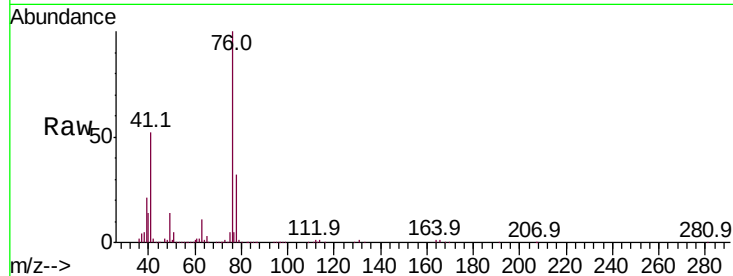
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1116139

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: 243.273 ug/l

RT: 9.70 min Scan# 2464

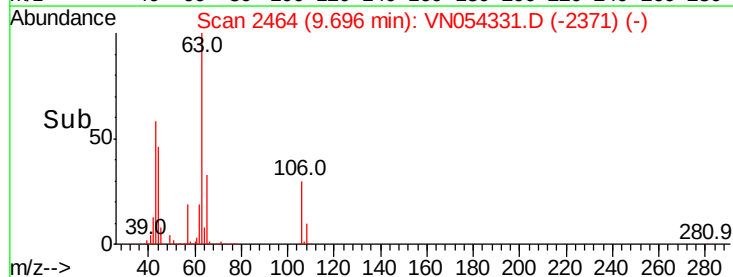
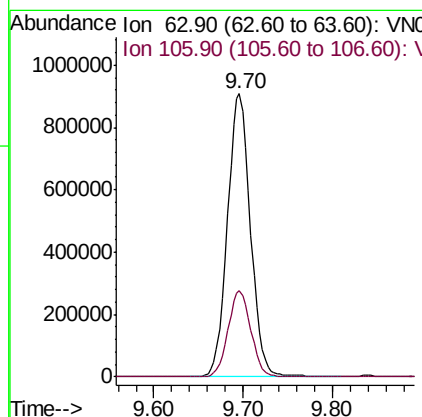
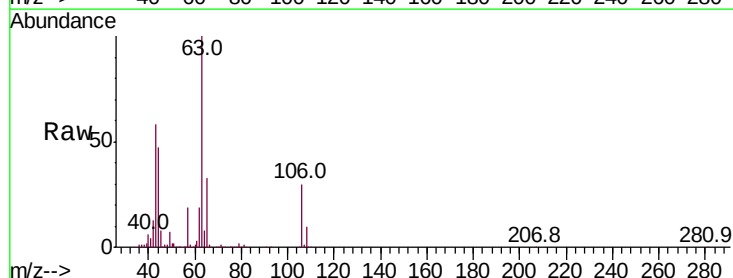
Delta R.T. 0.00 min

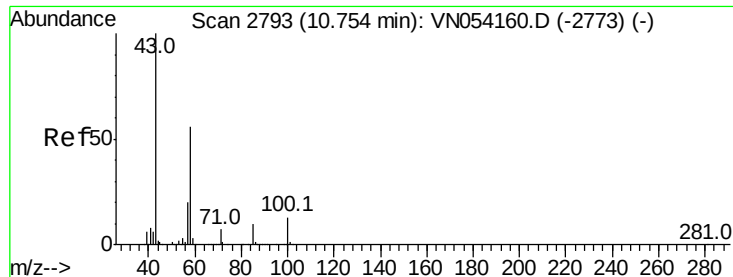
Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Tgt Ion: 63 Resp: 1621890

Ion	Ratio	Lower	Upper
63	100		
106	30.2	24.4	36.6





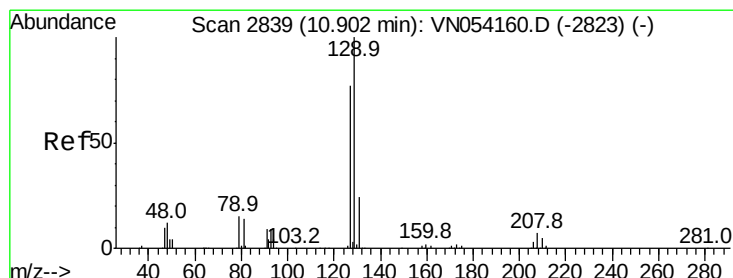
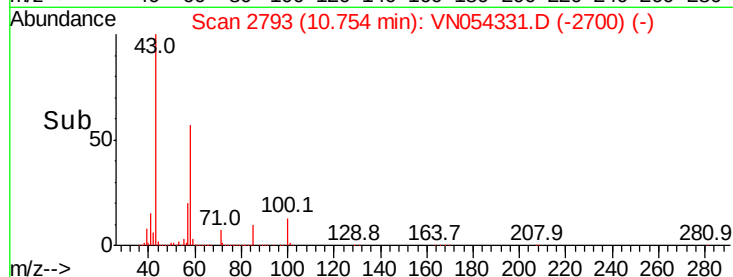
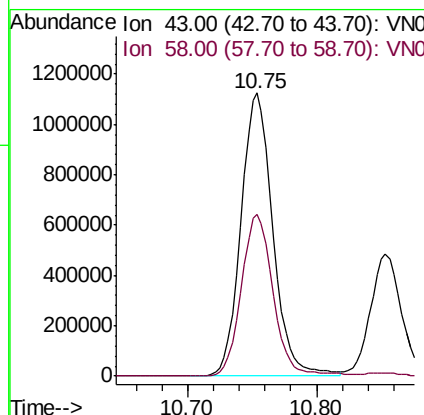
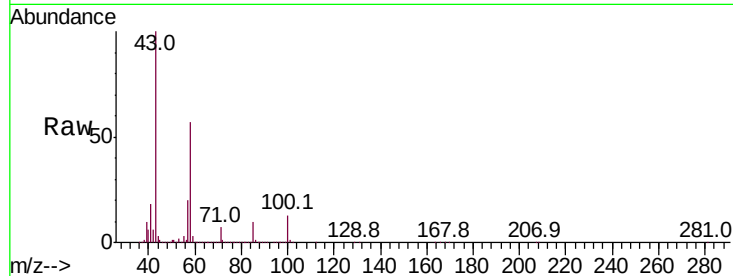
#59
2-Hexanone
Concen: 278.848 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1930305
Ion Ratio Lower Upper
43 100
58 57.4 28.0 83.9

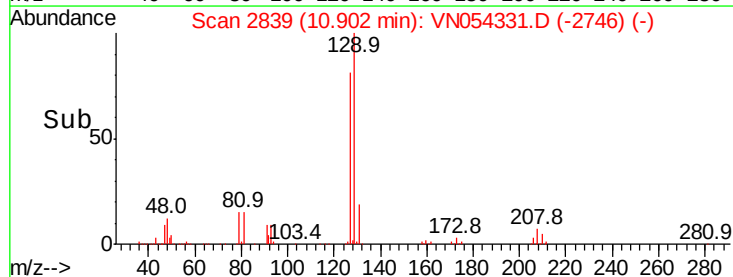
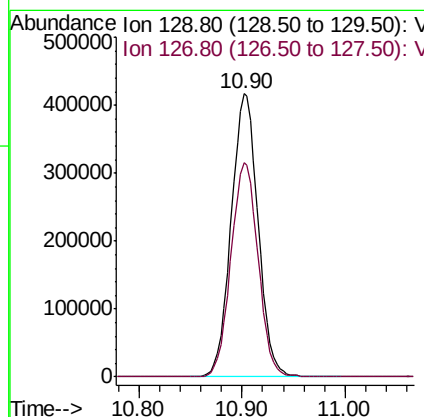
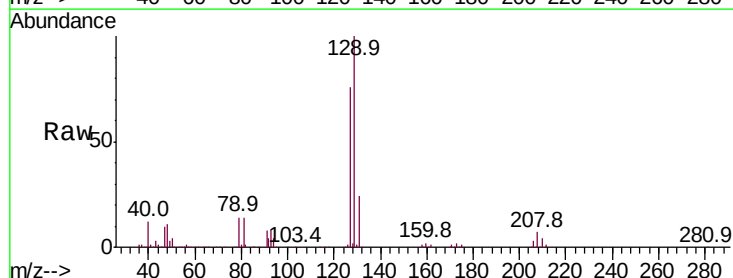
Manual Integrations
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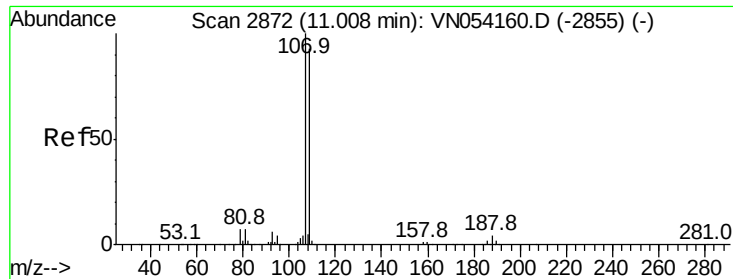
MMDadoda
3/18/2019 11:30:36 AM



#60
Dibromochloromethane
Concen: 52.103 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Tgt Ion: 129 Resp: 757328
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8





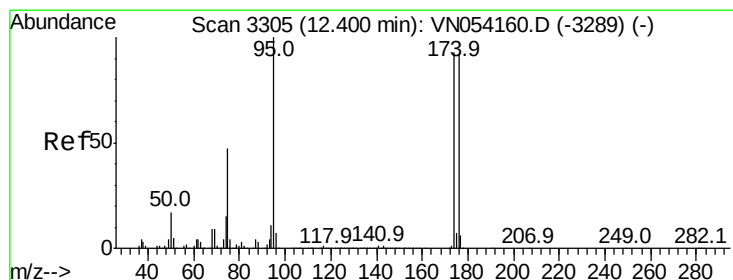
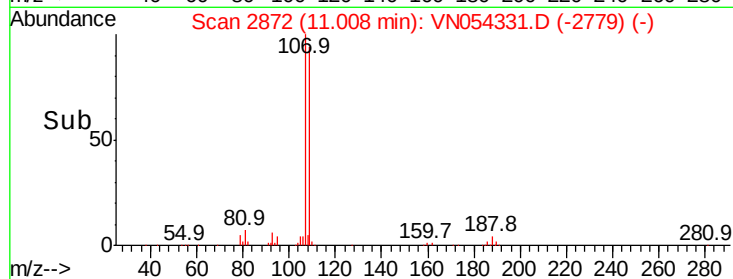
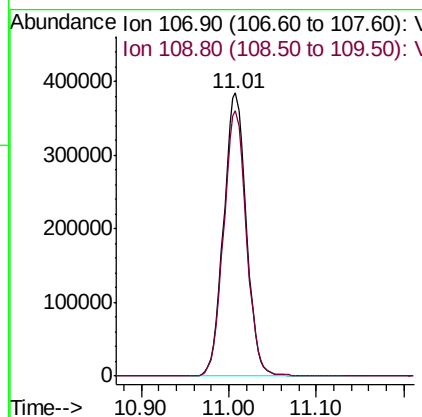
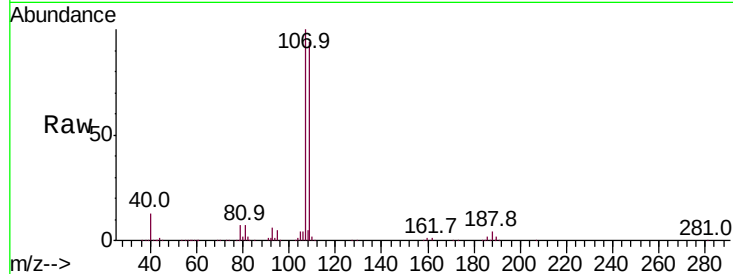
#61
 1,2-Dibromoethane
 Concen: 52.687 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054331.D
 Acq: 16 Mar 2019 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.9	113.9

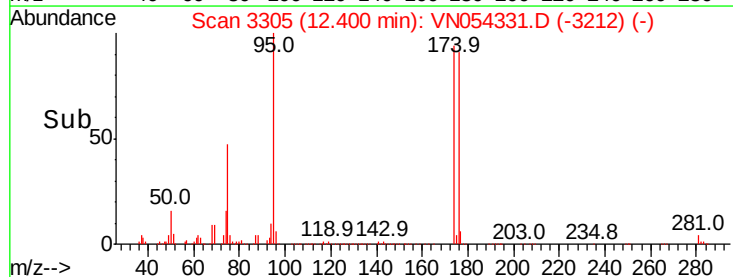
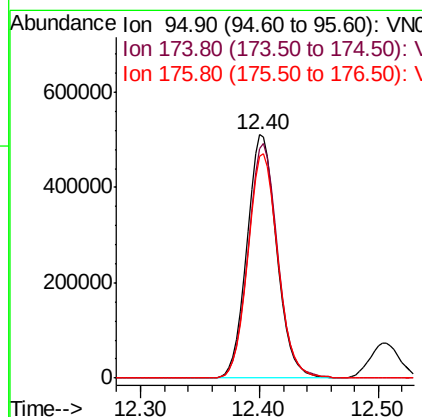
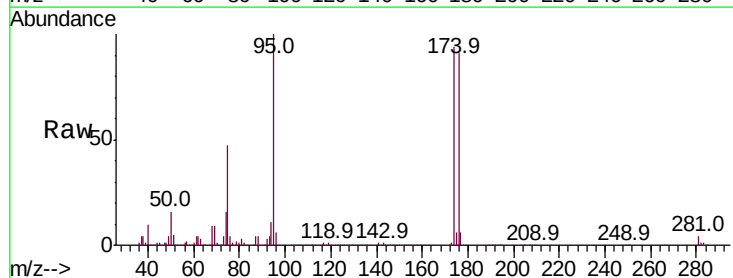
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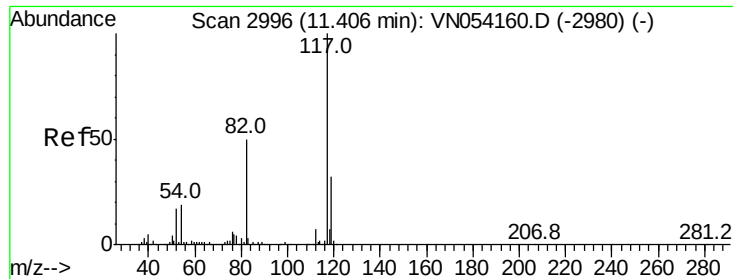
MMDadoda
 3/18/2019 11:30:36 AM



#62
 4-Bromofluorobenzene
 Concen: 50.035 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054331.D
 Acq: 16 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.0	0.0	191.0
176	93.2	0.0	187.4





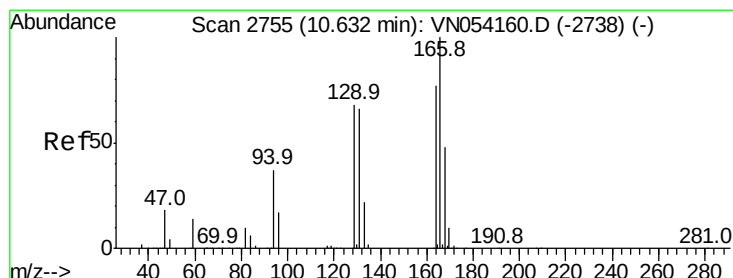
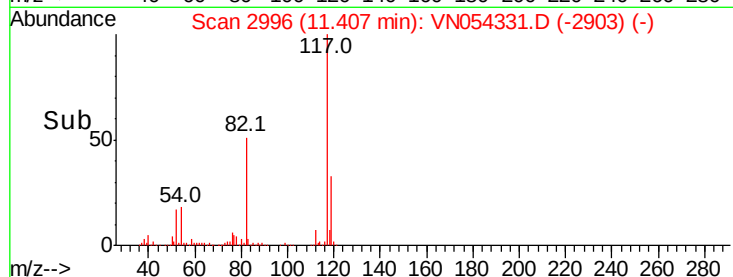
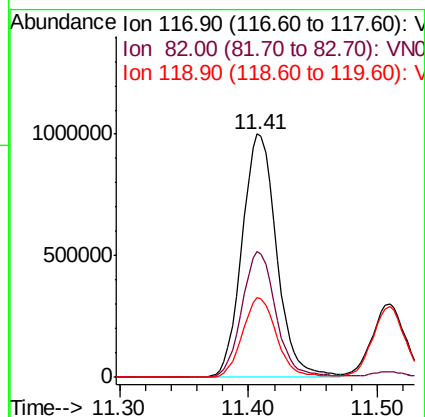
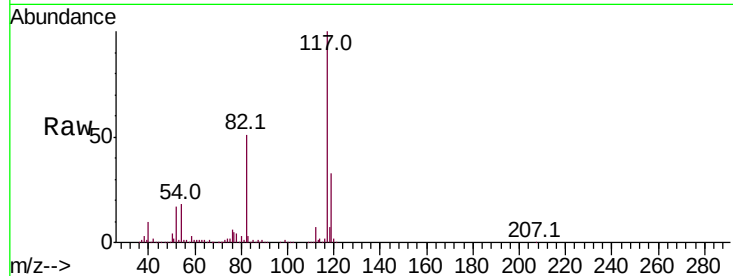
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1869636
Ion Ratio Lower Upper
117 100
82 51.5 40.0 60.0
119 32.7 25.8 38.6

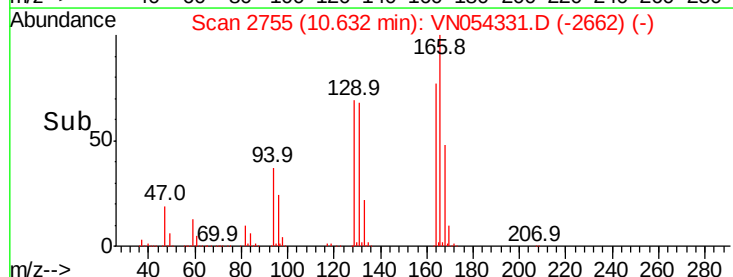
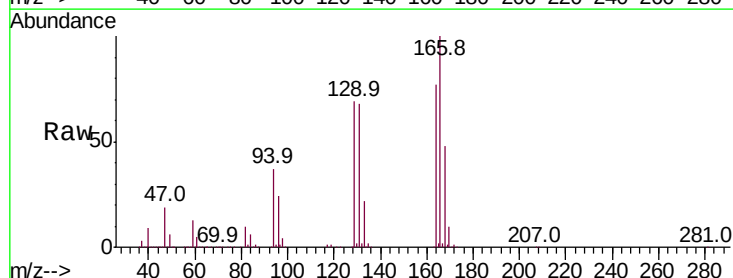
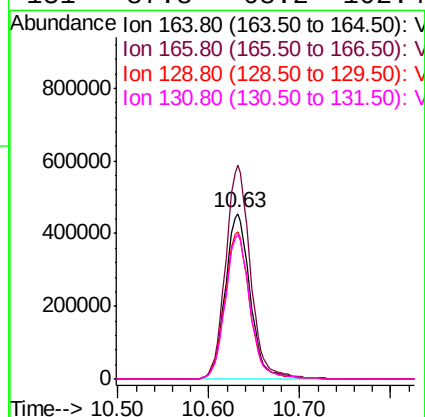
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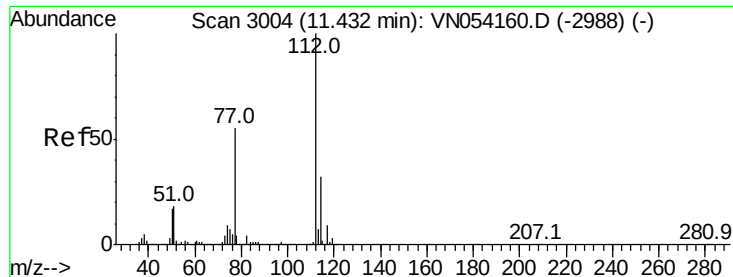
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3/18/2019 11:30:36 AM



#64
Tetrachloroethene
Concen: 47.952 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Tgt Ion:164 Resp: 866810
Ion Ratio Lower Upper
164 100
166 129.2 103.9 155.9
129 89.4 71.1 106.7
131 87.8 68.2 102.4





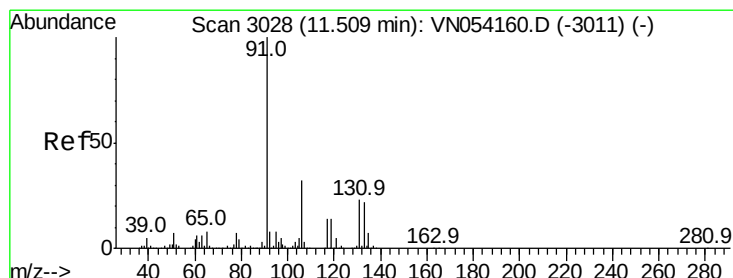
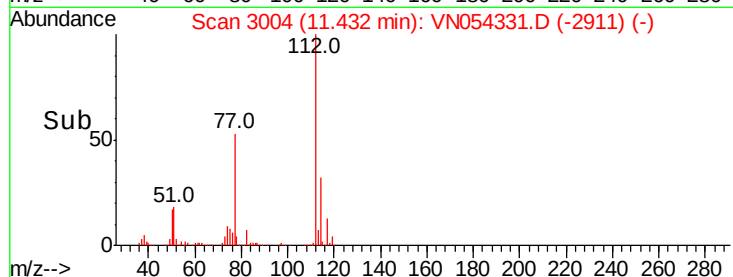
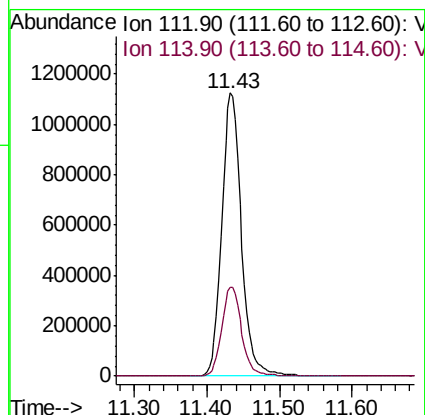
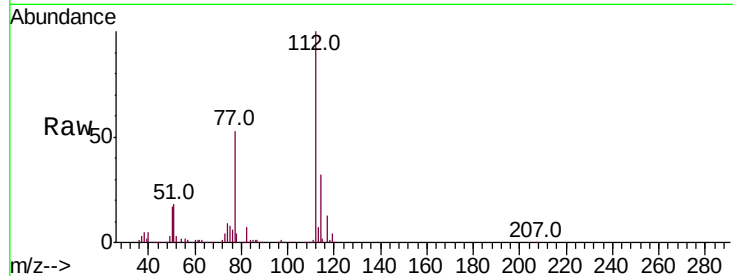
#65
Chlorobenzene
Concen: 51.255 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 2104136
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9

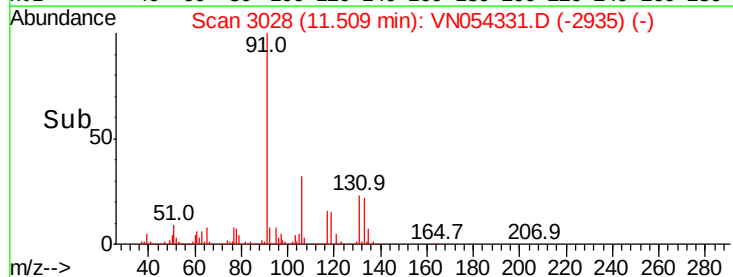
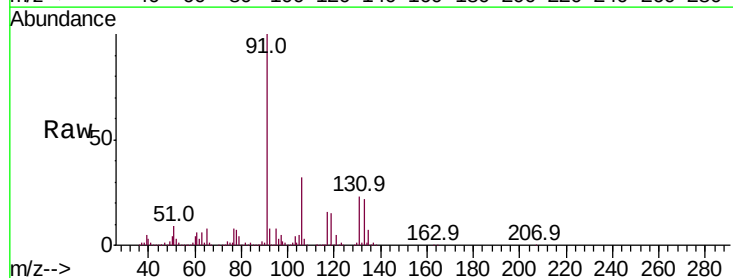
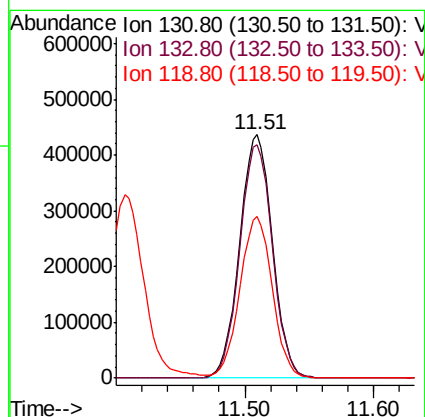
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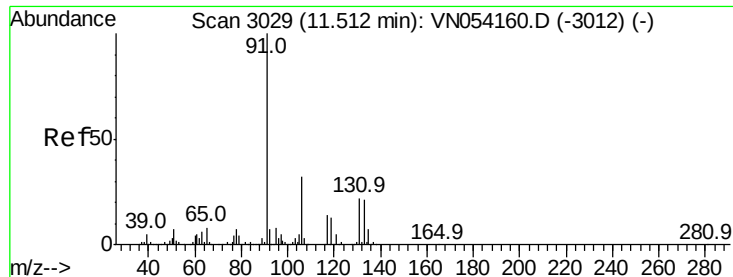
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.824 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Tgt Ion:131 Resp: 772861
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.9
119 65.7 32.4 97.0





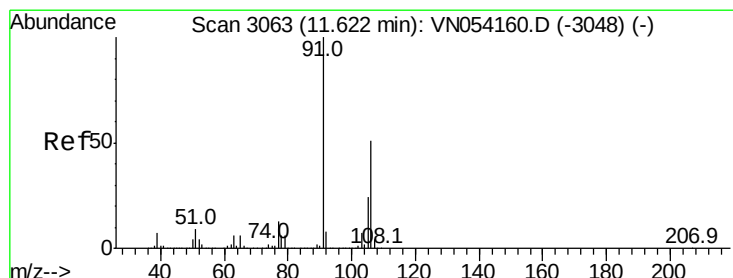
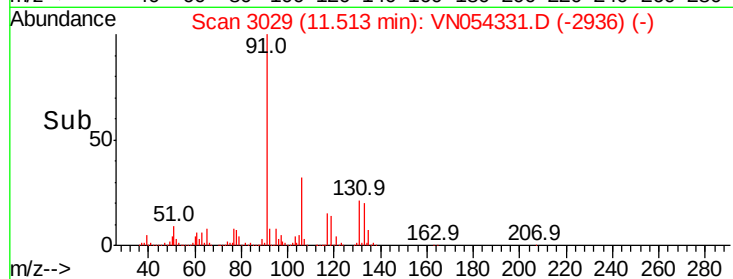
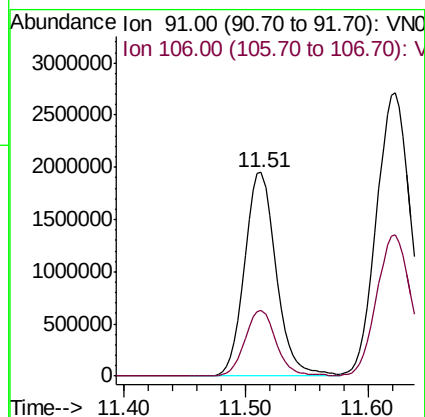
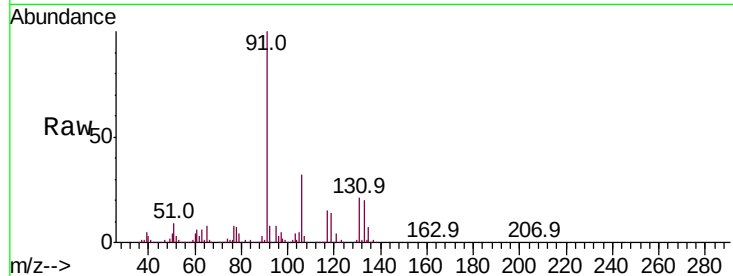
#67
Ethyl Benzene
Concen: 51.243 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 3487145
Ion Ratio Lower Upper
91 100
106 32.4 25.5 38.3

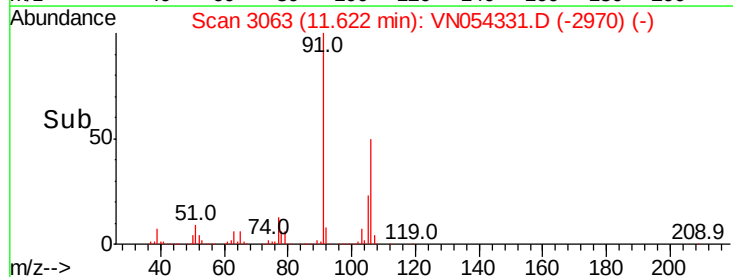
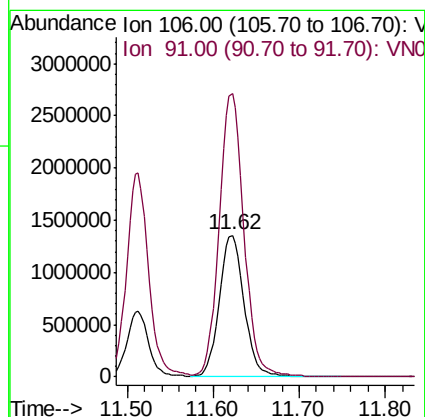
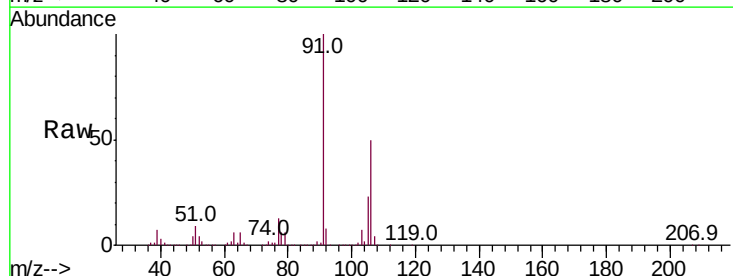
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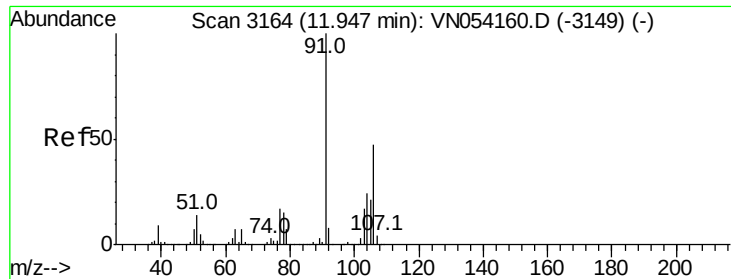
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#68
m/p-Xylenes
Concen: 102.580 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Tgt Ion: 106 Resp: 2728377
Ion Ratio Lower Upper
106 100
91 199.2 159.4 239.2





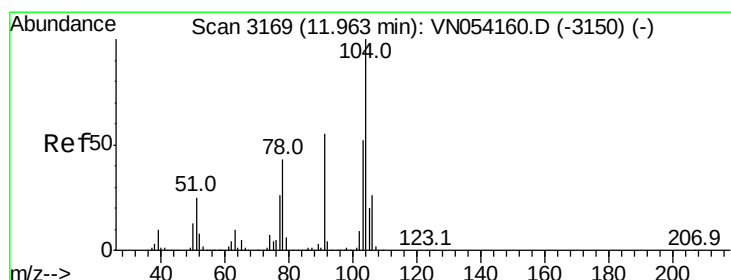
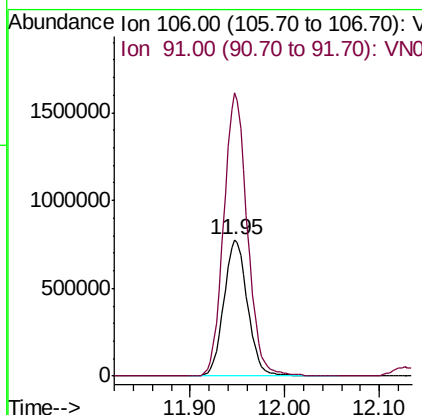
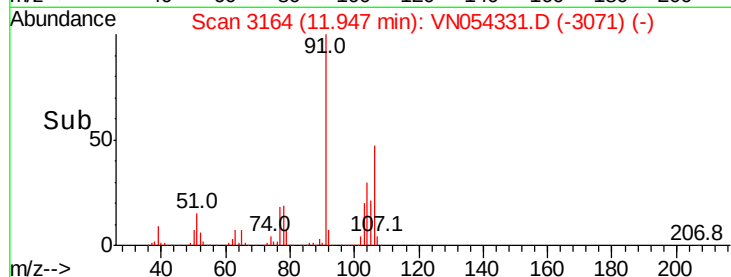
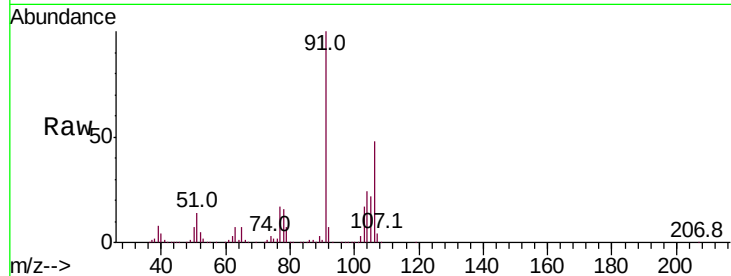
#69
o-Xylene
Concen: 52.118 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1351321
Ion Ratio Lower Upper
106 100
91 206.9 105.7 317.1

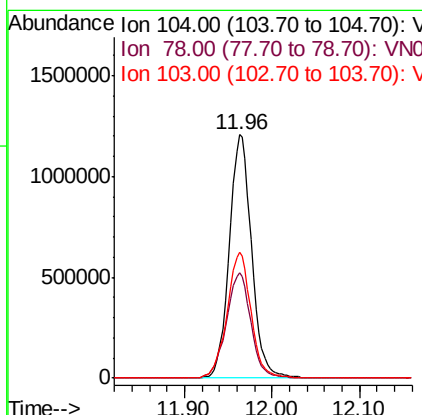
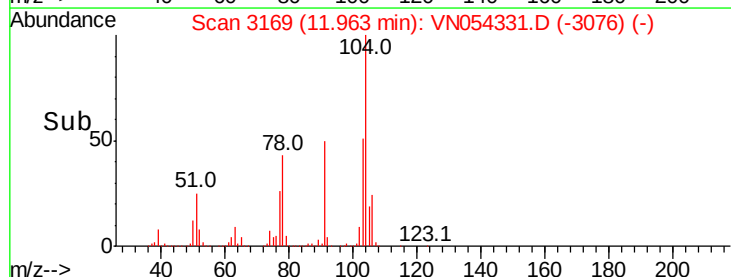
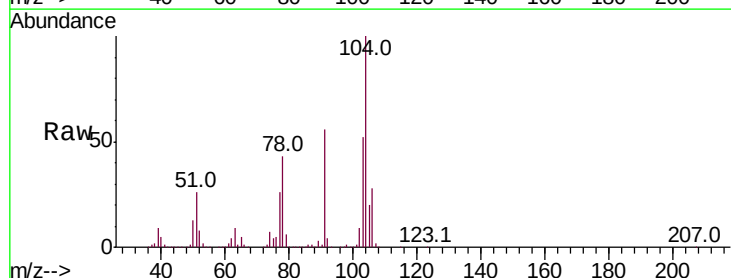
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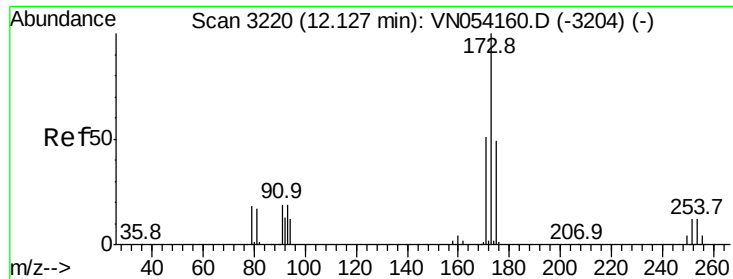
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#70
Styrene
Concen: 52.458 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Tgt Ion:104 Resp: 2133156
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.2
103 55.5 44.4 66.6





#71

Bromoform

Concen: 44.357 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 501097

Ion Ratio Lower Upper

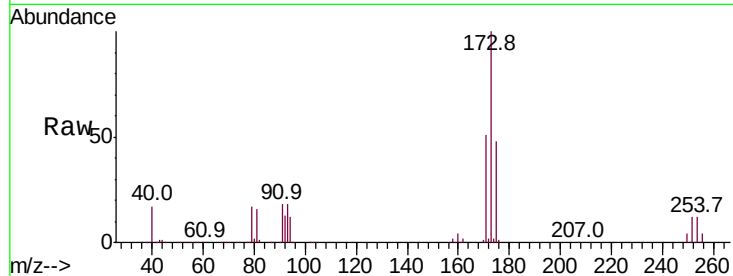
173 100

175 48.8 24.4 73.2

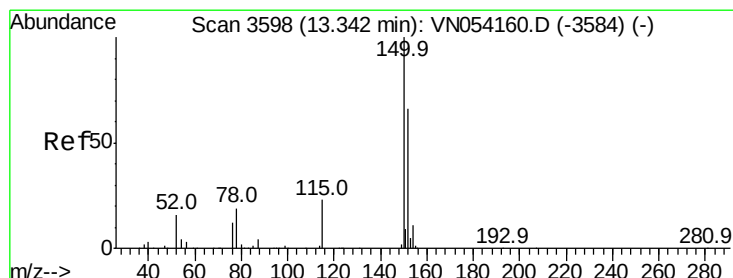
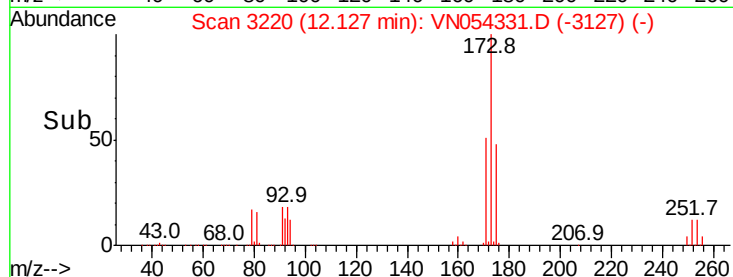
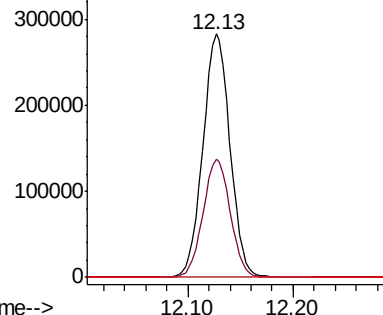
254 0.2 0.1 0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

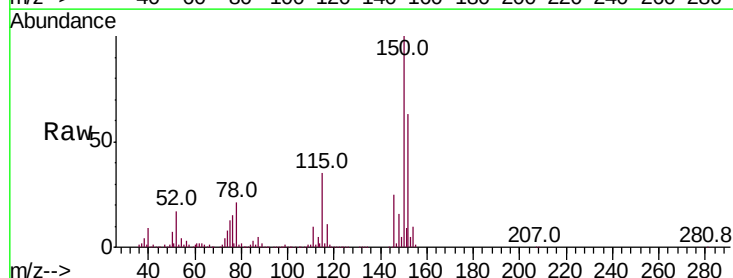
Tgt Ion:152 Resp: 908675

Ion Ratio Lower Upper

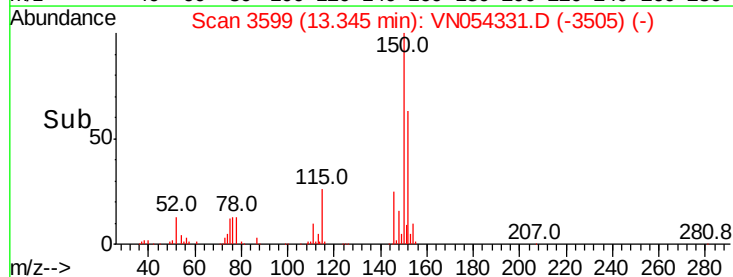
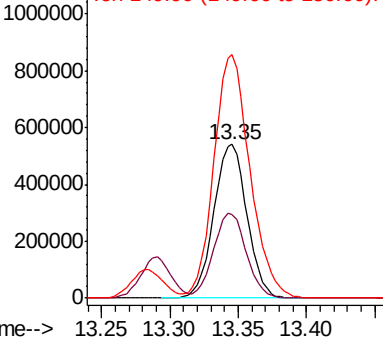
152 100

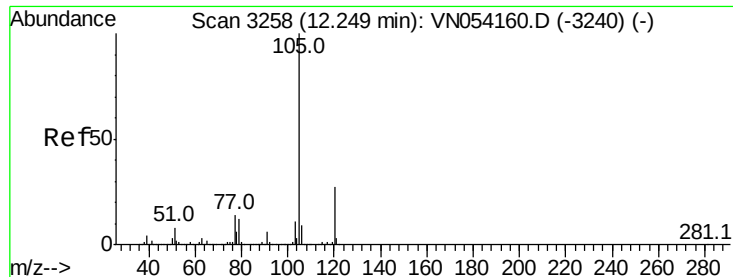
115 54.9 27.2 81.6

150 172.6 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.711 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3541293

Ion Ratio Lower Upper

105 100

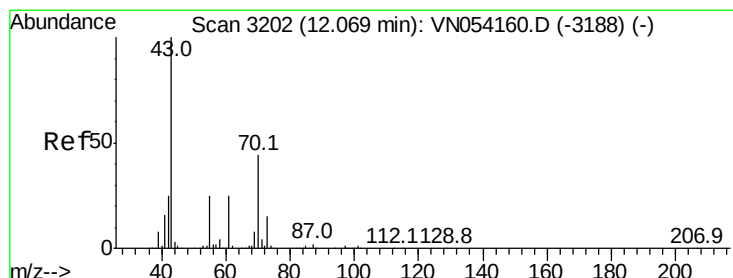
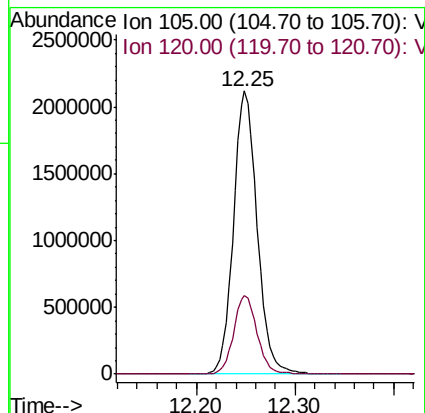
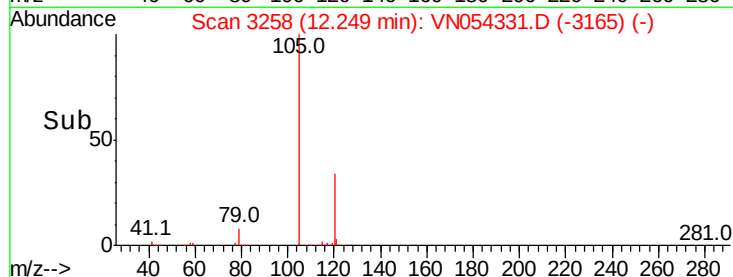
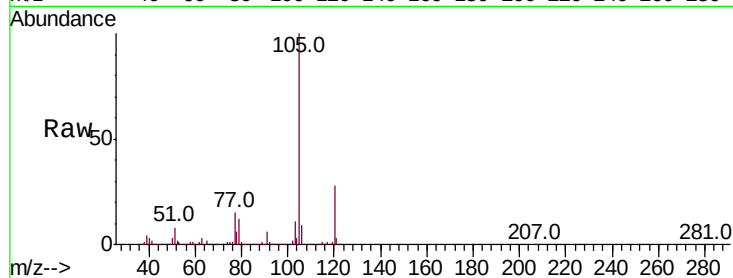
120 27.5 13.8 41.3

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#74

N-ethyl acetate

Concen: 50.698 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Tgt Ion: 43 Resp: 818111

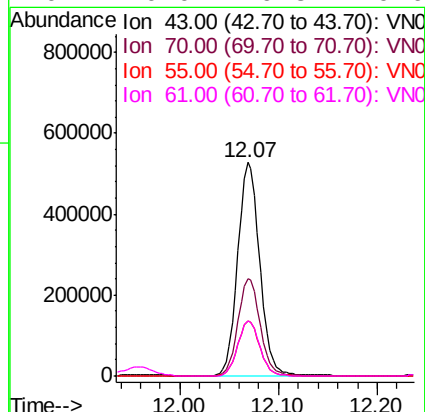
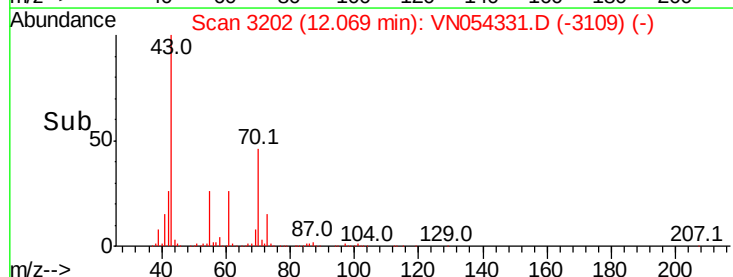
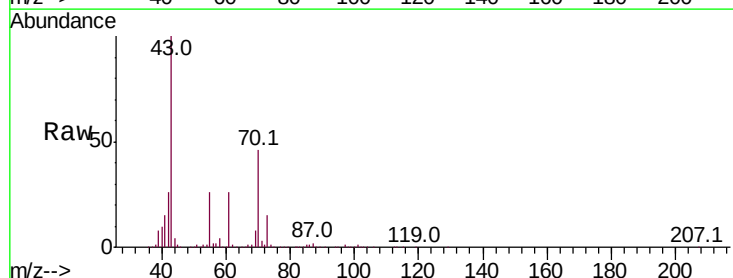
Ion Ratio Lower Upper

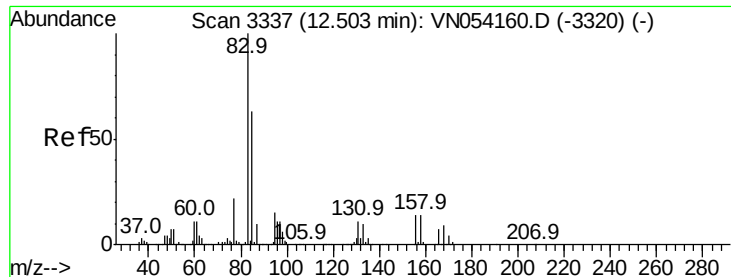
43 100

70 46.1 35.4 53.0

55 26.3 19.8 29.6

61 26.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.140 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 792103
Ion Ratio Lower Upper

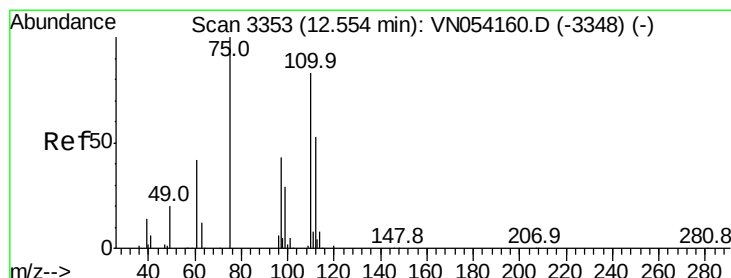
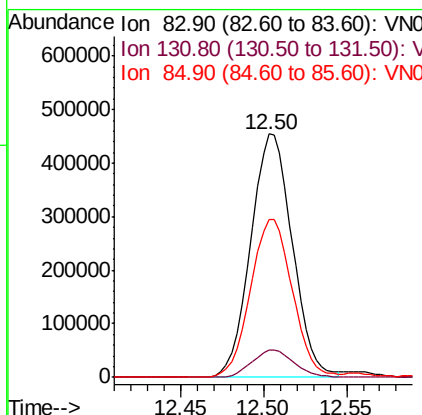
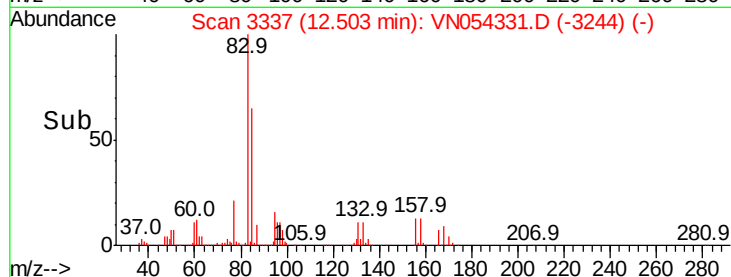
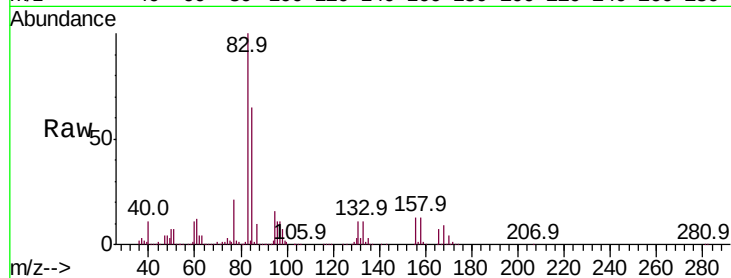
83 100

131 11.5 5.8 17.4

85 65.2 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 49.622 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

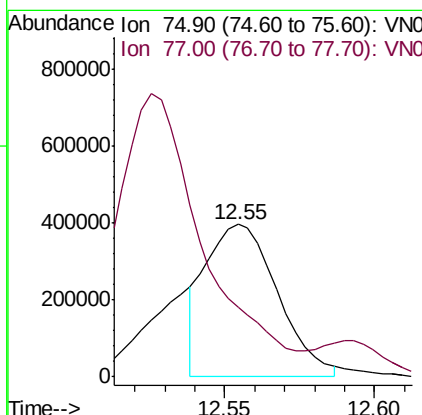
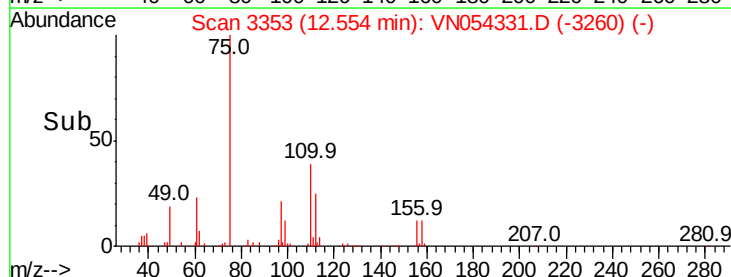
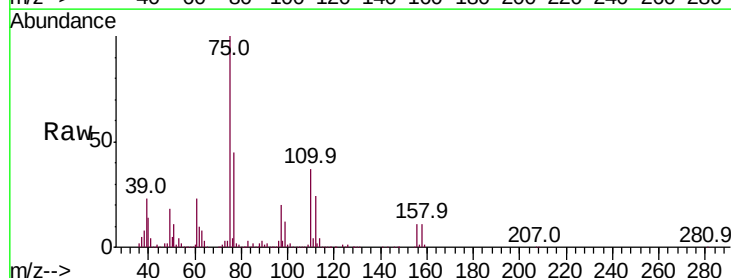
Lab File: VN054331.D

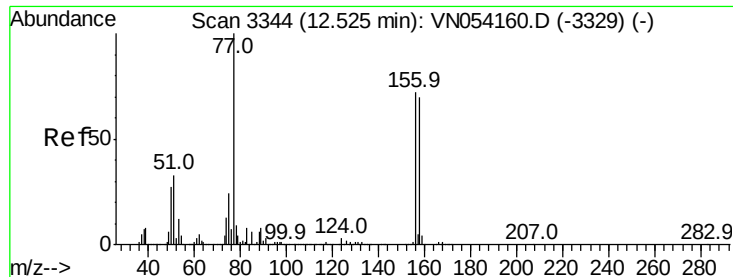
Acq: 16 Mar 2019 11:59

Tgt Ion: 75 Resp: 663076
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.394 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

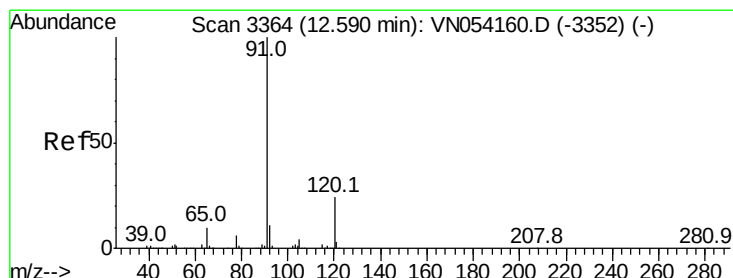
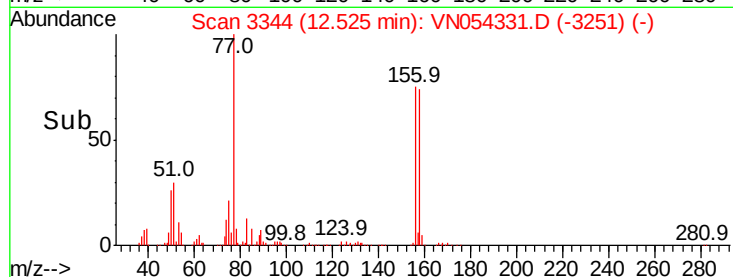
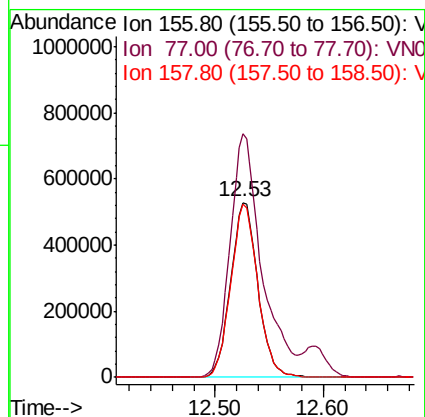
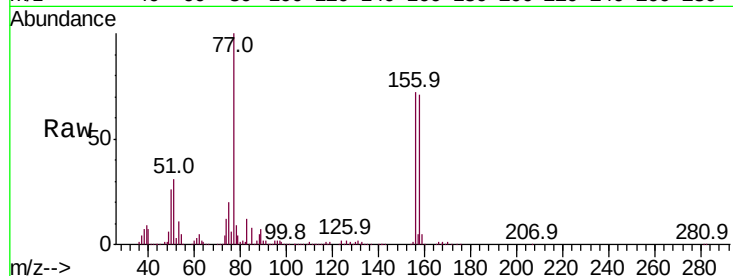
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	930977
Ion Ratio	Lower	Upper	
156	100		
77	162.6	81.5	244.4
158	98.8	49.0	147.2

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#78

n-propylbenzene

Concen: 49.320 ug/l

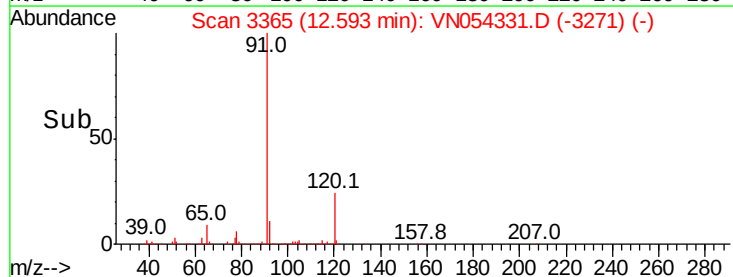
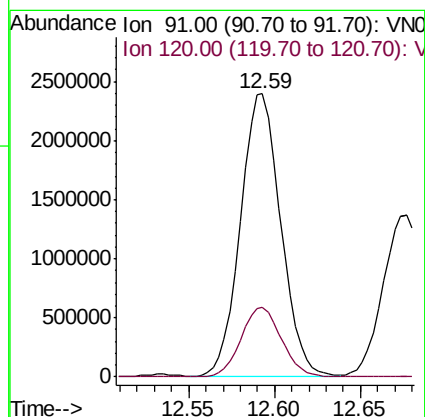
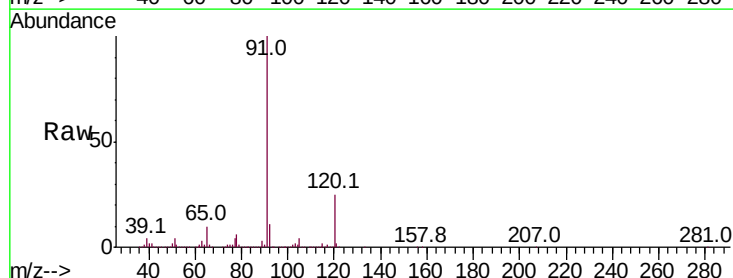
RT: 12.59 min Scan# 3365

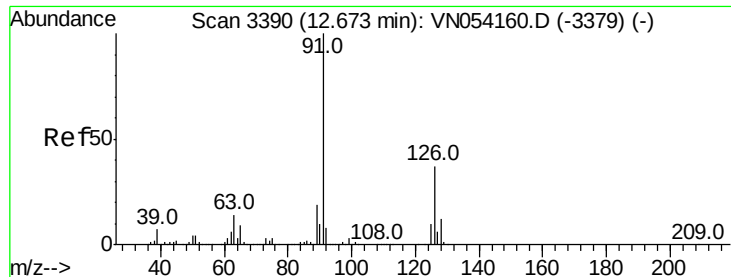
Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Tgt Ion:	91	Resp:	3890532
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.3	36.9





#79

2-Chlorotoluene

Concen: 48.983 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2323291

Ion Ratio Lower Upper

91 100

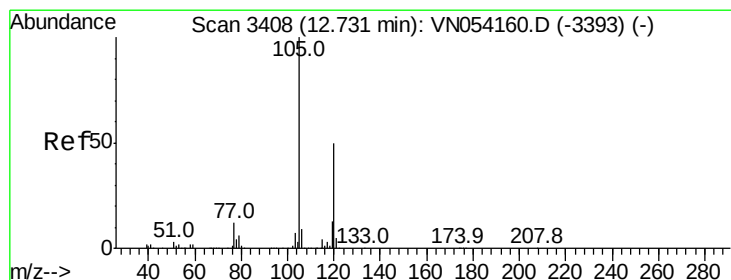
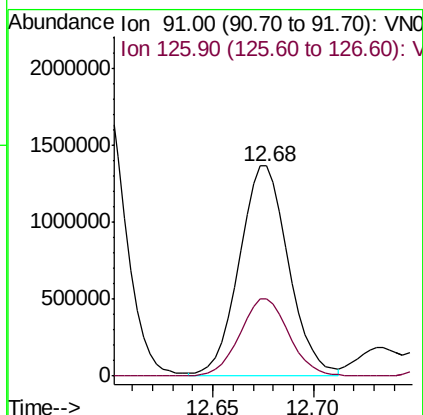
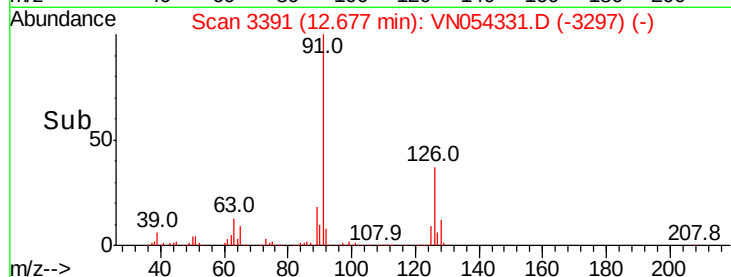
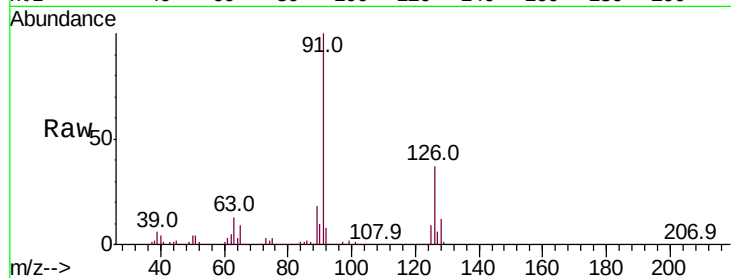
126 37.3 18.7 56.1

Manual Integrations

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3/18/2019 11:30:36 AM



#80

1,3,5-Trimethylbenzene

Concen: 48.451 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054331.D

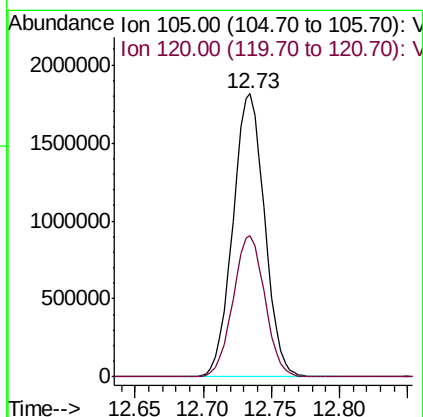
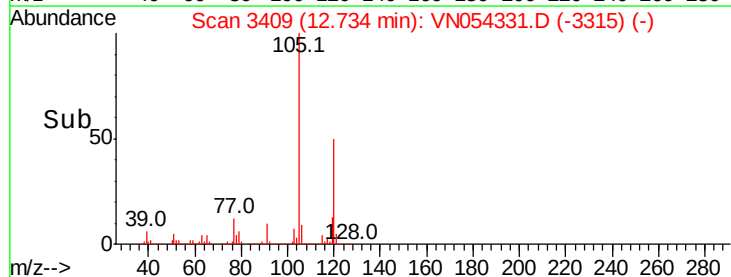
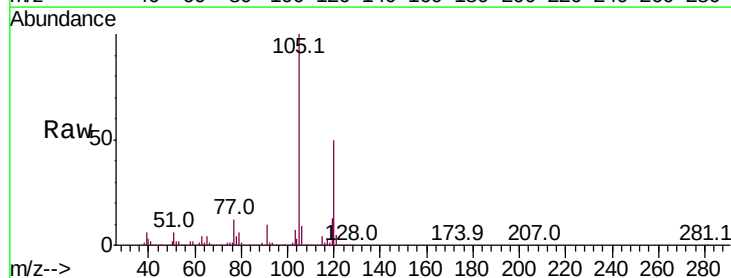
Acq: 16 Mar 2019 11:59

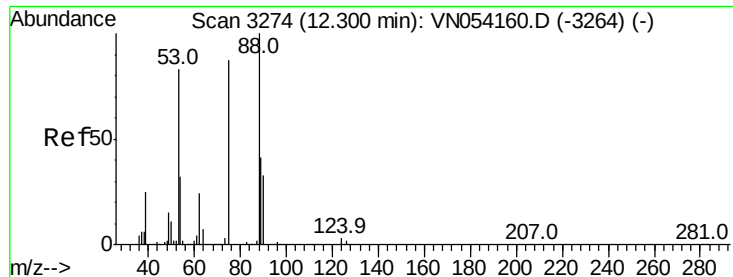
Tgt Ion: 105 Resp: 2929847

Ion Ratio Lower Upper

105 100

120 50.0 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 42.952 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

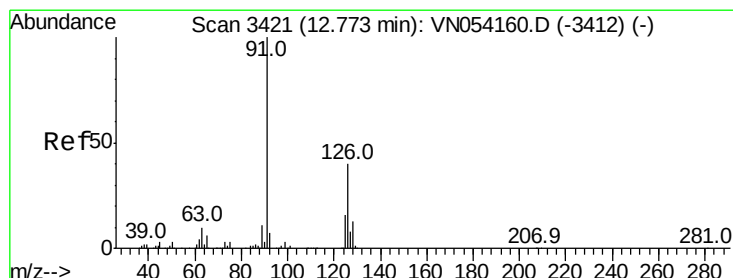
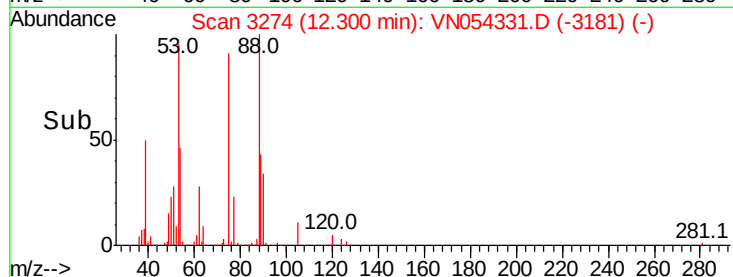
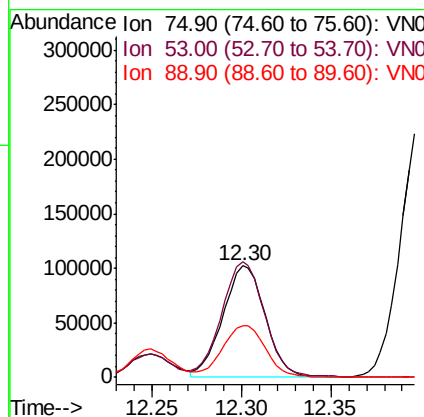
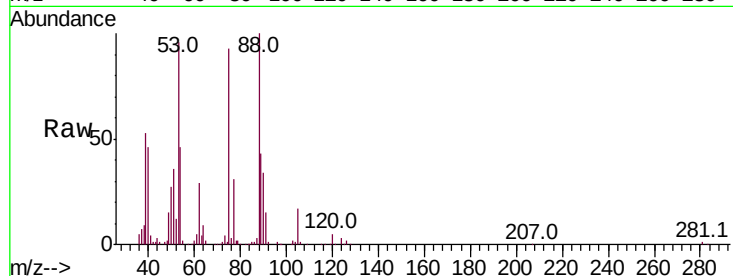
ClientSampled :

VSTDCCC050

Tot Ion:	75	Resp:	167897
Ion Ratio	Lower	Upper	
75	100		
53	106.5	76.2	114.2
89	46.6	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.405 ug/l

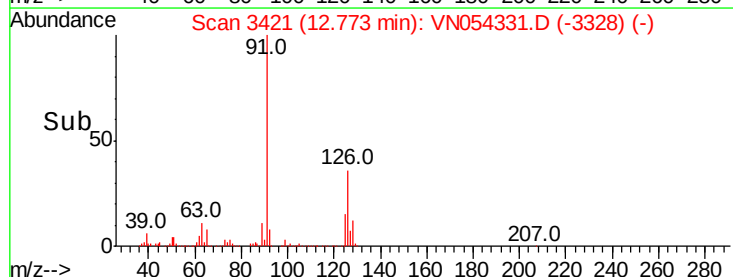
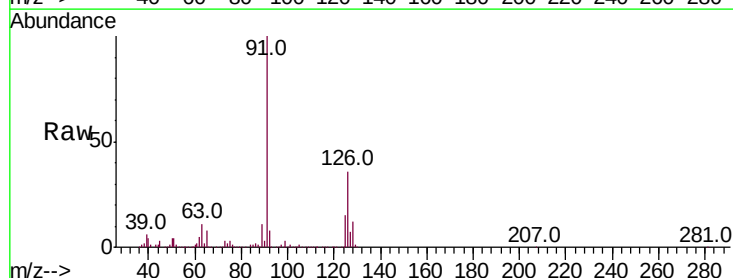
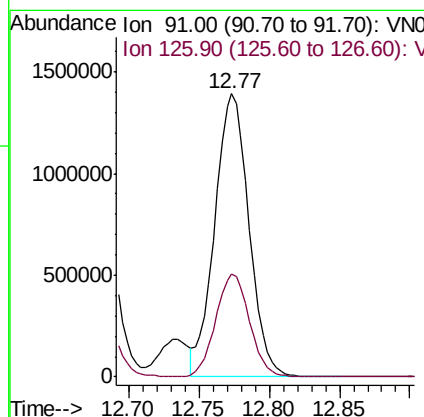
RT: 12.77 min Scan# 3421

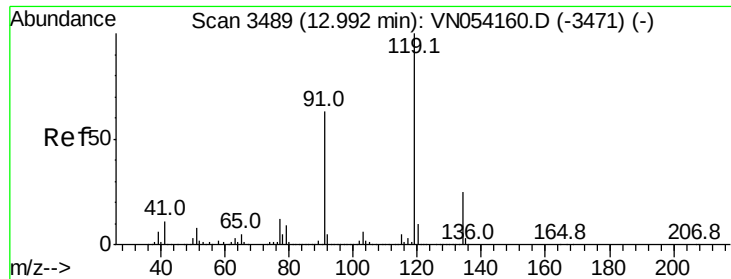
Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Tgt Ion:	91	Resp:	2339851
Ion Ratio	Lower	Upper	
91	100		
126	36.1	18.1	54.1





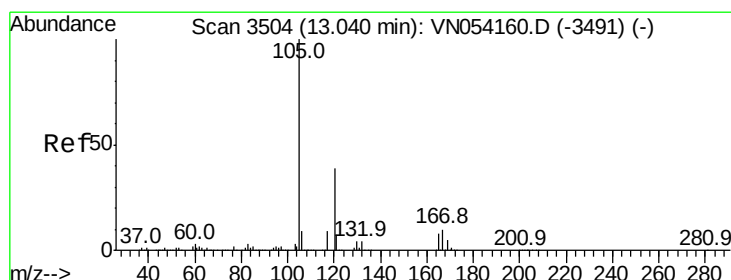
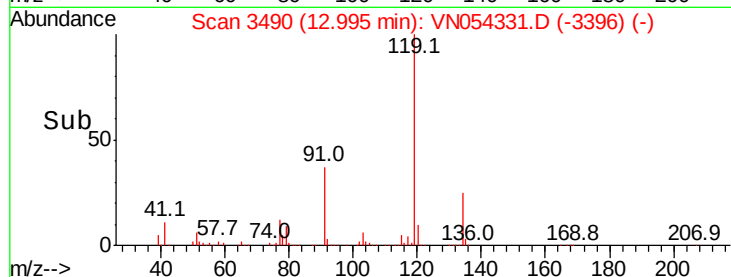
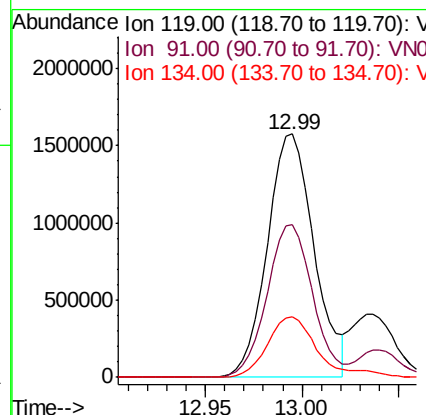
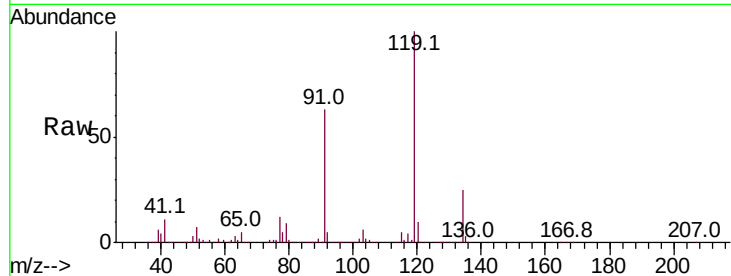
#83
 tert-Butylbenzene
 Concen: 47.646 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054331.D
 Acq: 16 Mar 2019 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.6	30.9	92.8
134	26.7	13.2	39.6

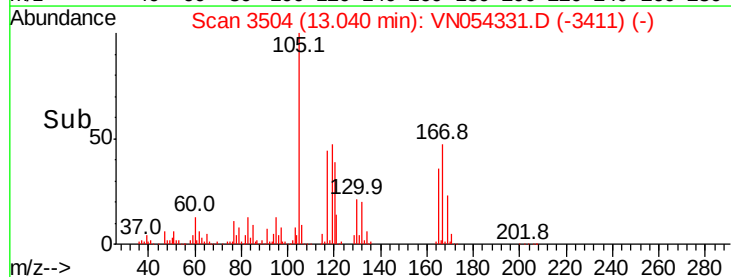
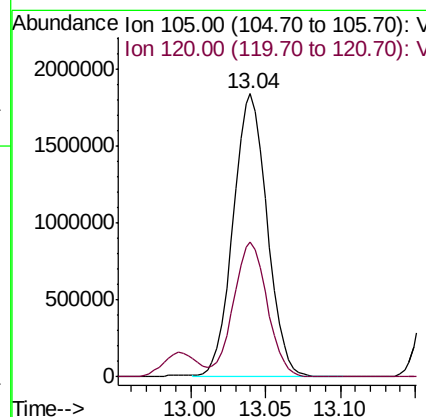
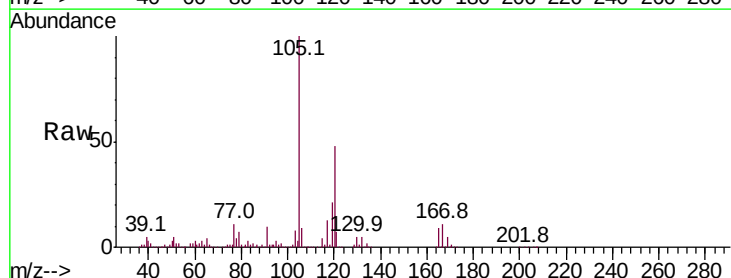
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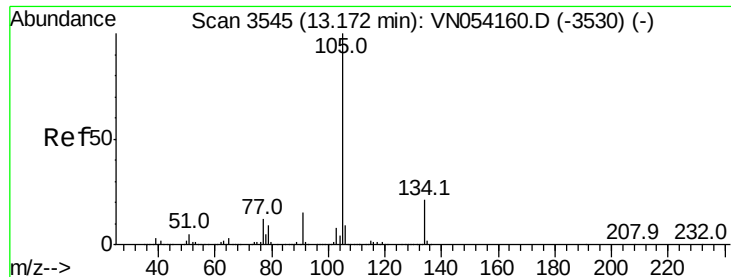
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.117 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054331.D
 Acq: 16 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.4	70.3





#85

sec-Butylbenzene

Concen: 47.770 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3448186

Ion Ratio Lower Upper

105 100

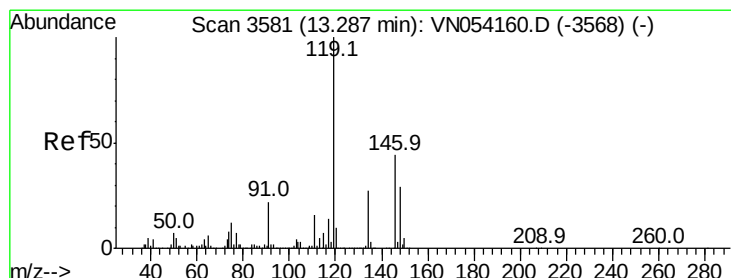
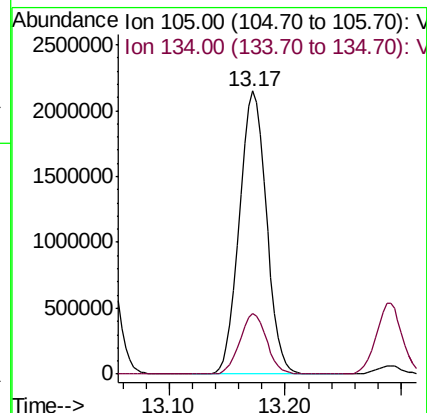
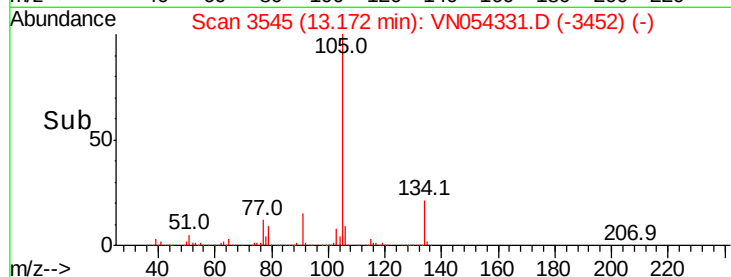
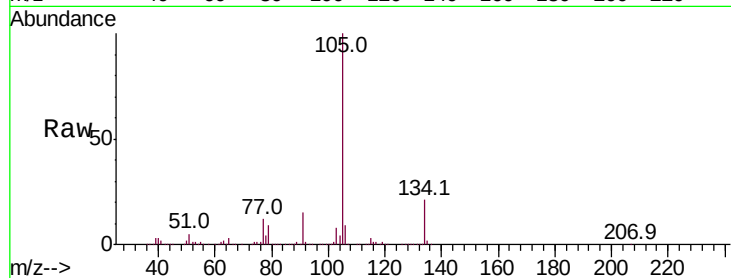
134 21.2 10.7 32.1

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3/18/2019 11:30:36 AM



#86

p-Isopropyltoluene

Concen: 48.346 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

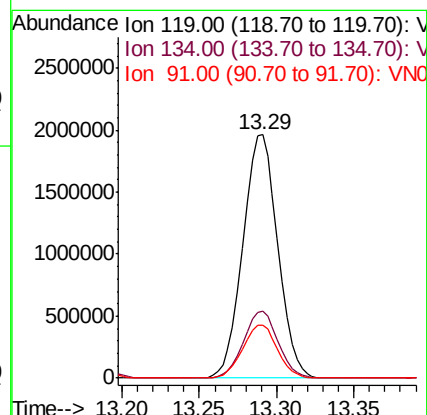
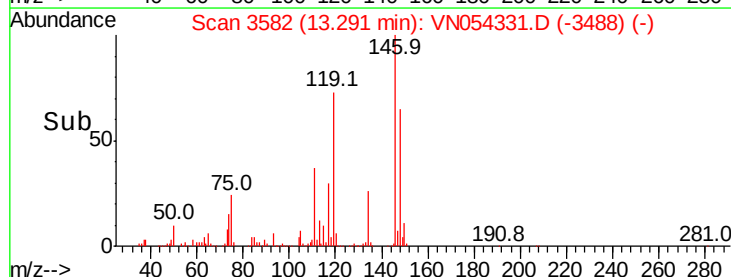
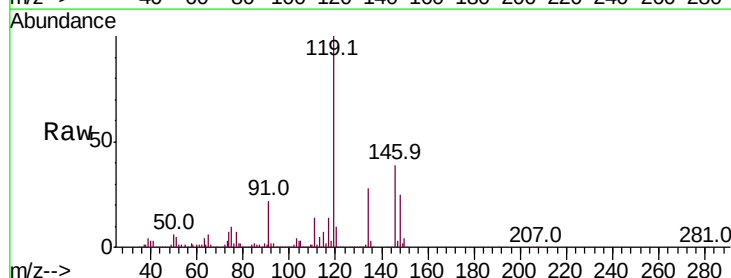
Tgt Ion:119 Resp: 3061586

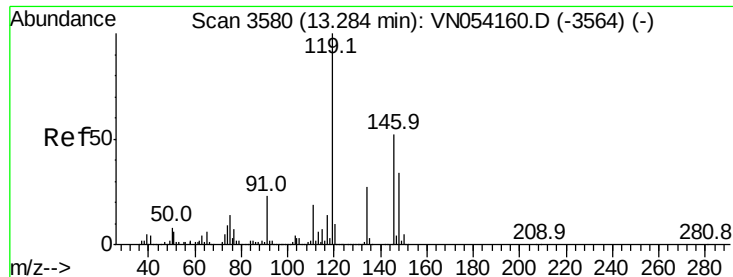
Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

91 21.9 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 49.952 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054331.D

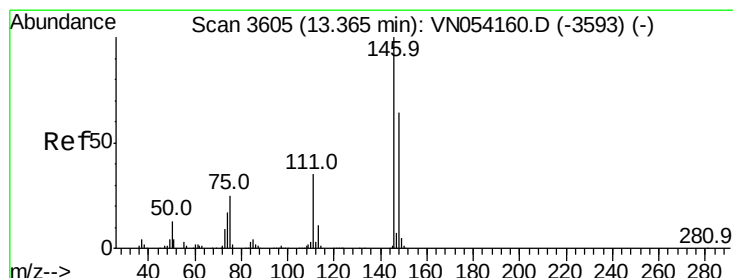
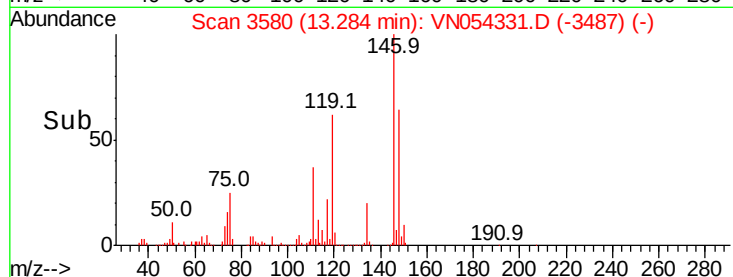
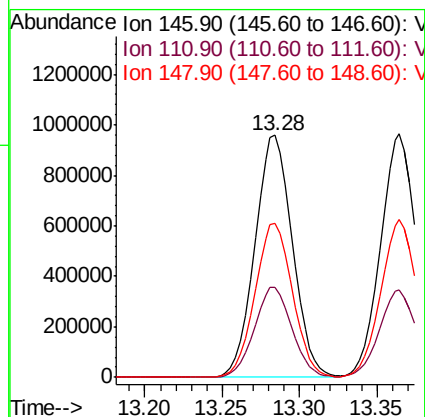
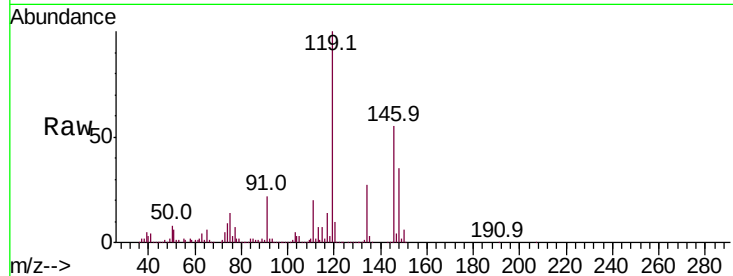
Acq: 16 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.3
148	63.8	32.2	96.6

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3/18/2019 11:30:36 AM



#88

1,4-Dichlorobenzene

Concen: 49.282 ug/l

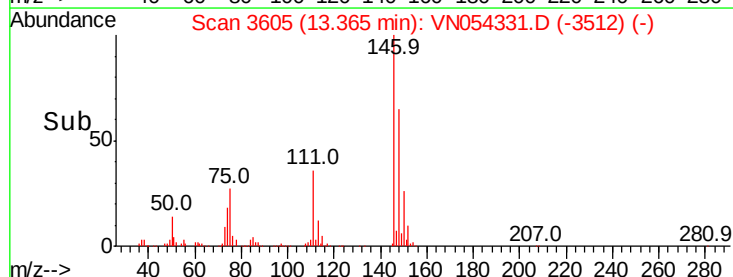
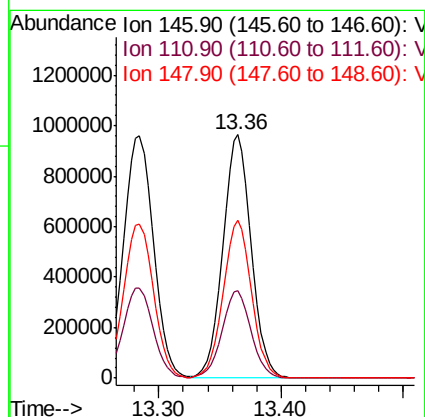
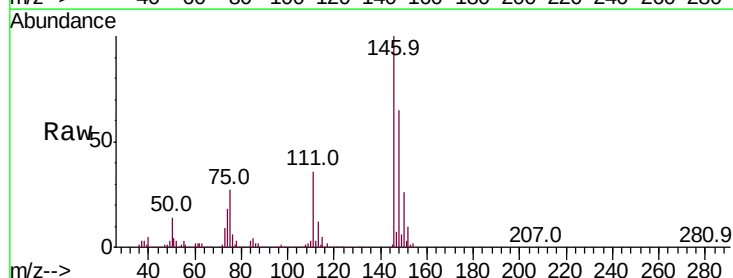
RT: 13.36 min Scan# 3605

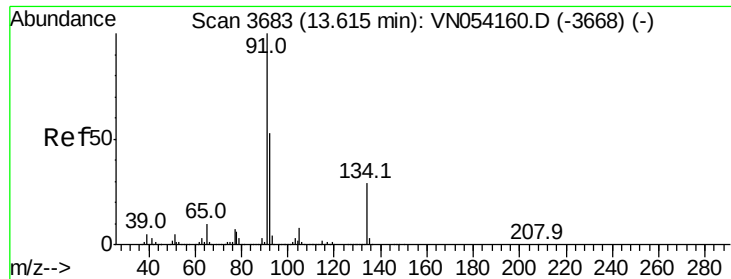
Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.1
148	64.9	32.0	96.0





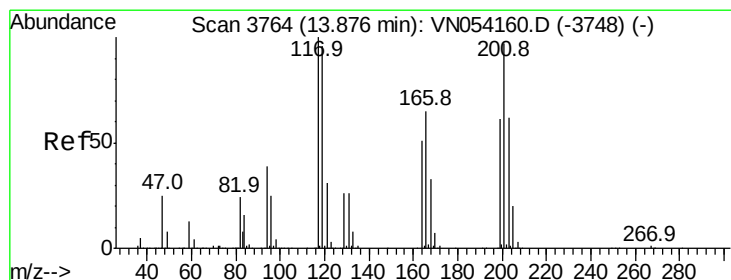
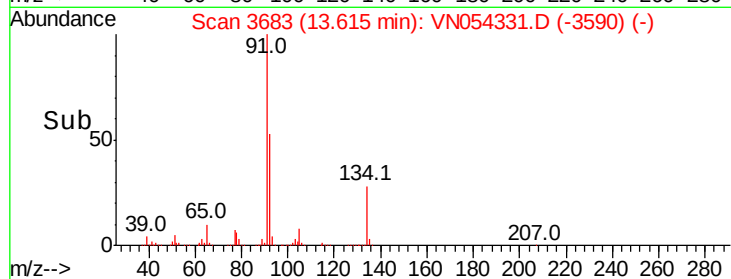
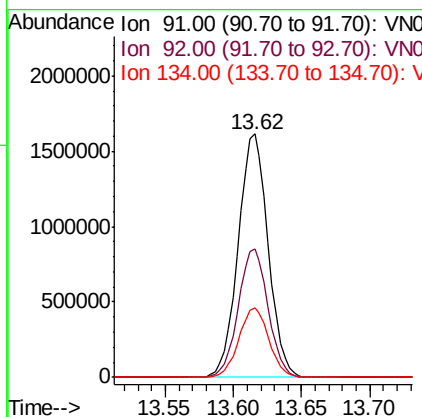
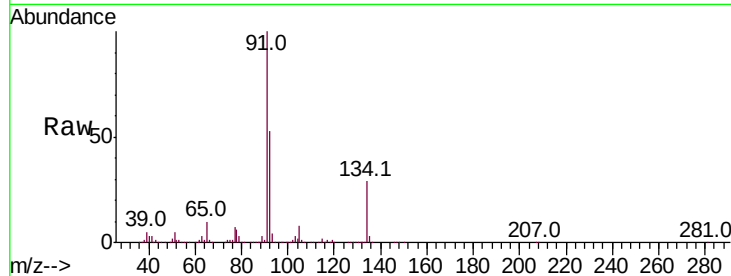
#89
n-Butylbenzene
Concen: 50.888 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.2	78.6
134	28.7	14.3	42.9

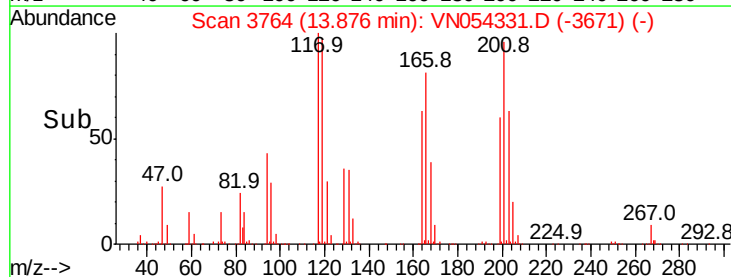
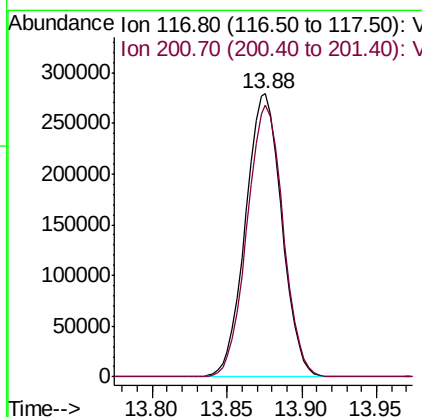
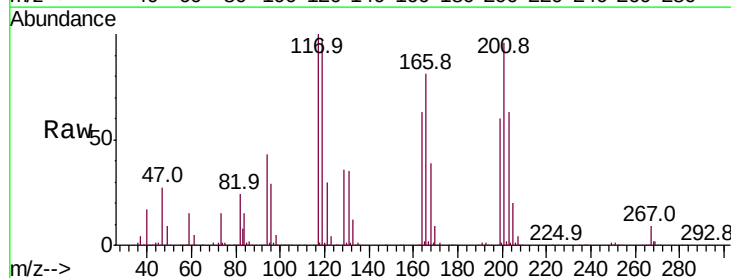
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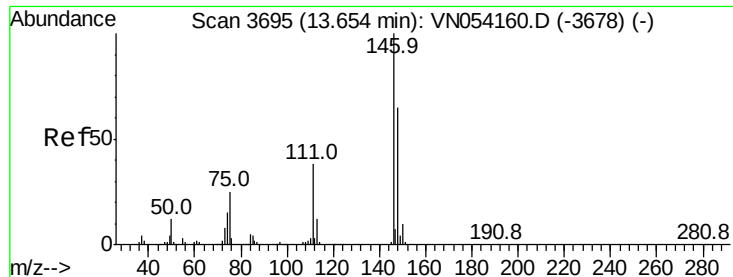
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3/18/2019 11:30:36 AM



#90
Hexachloroethane
Concen: 44.911 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054331.D
Acq: 16 Mar 2019 11:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.5	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 50.061 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

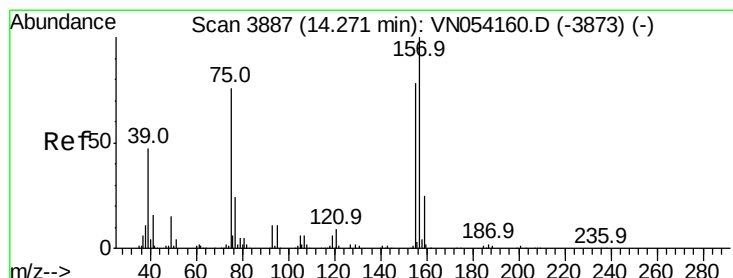
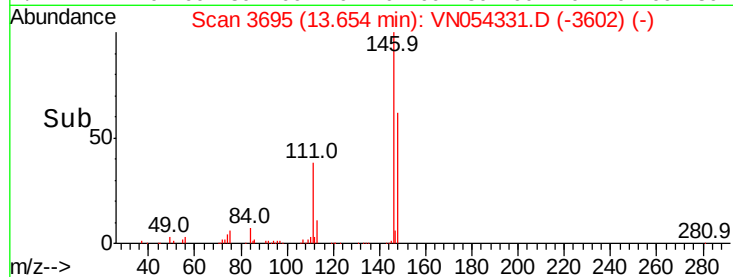
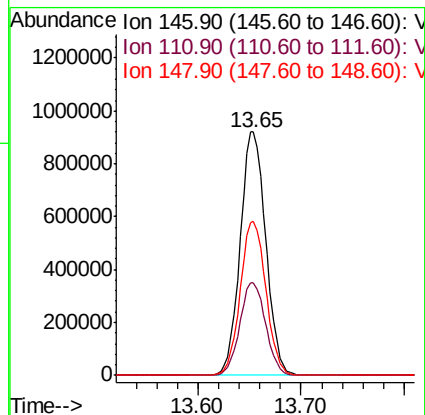
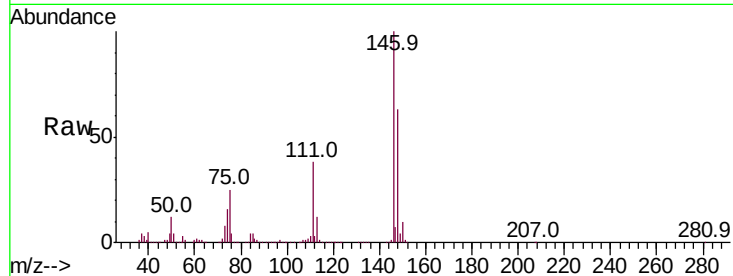
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	1586397
Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.3
148	63.5	32.4	97.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.223 ug/l

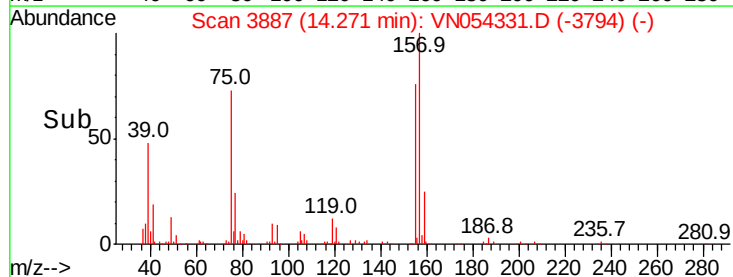
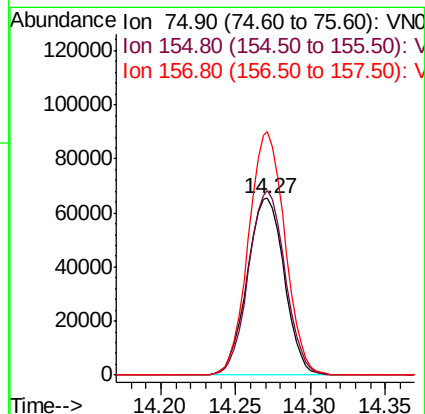
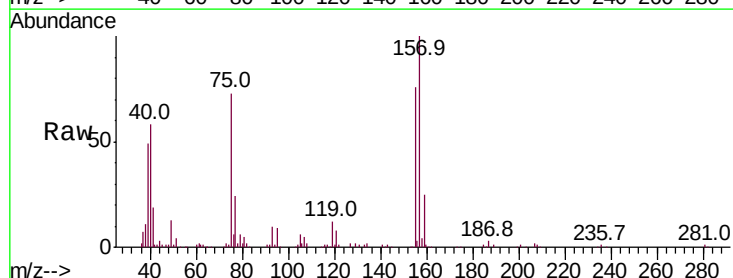
RT: 14.27 min Scan# 3887

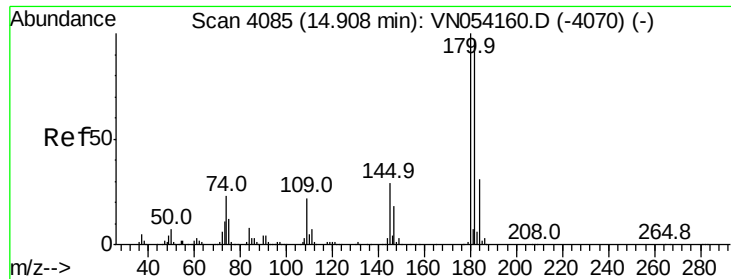
Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Tgt Ion:	75	Resp:	113185
Ion	Ratio	Lower	Upper
75	100		
155	102.6	50.1	150.3
157	134.9	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 45.882 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

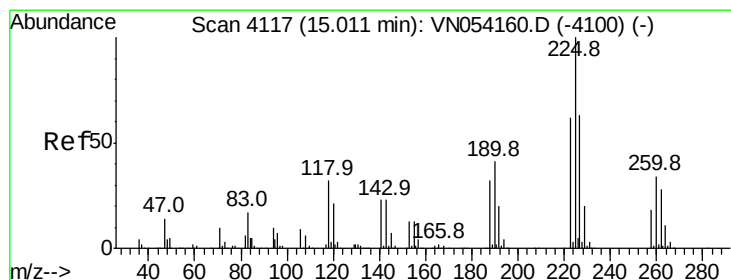
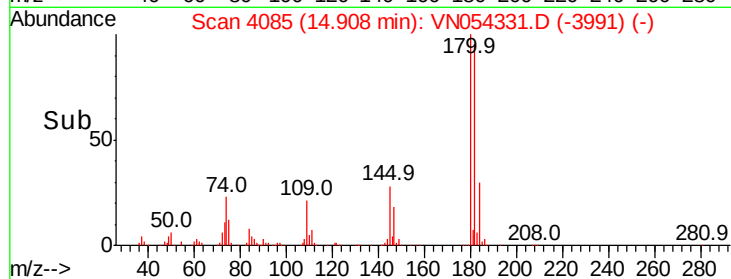
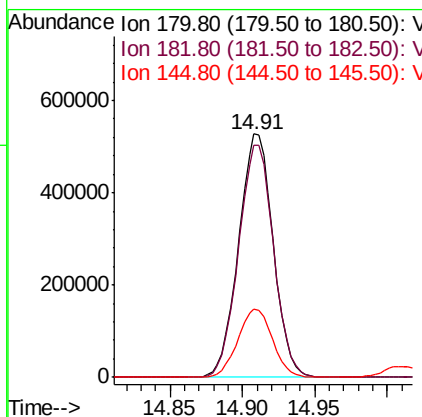
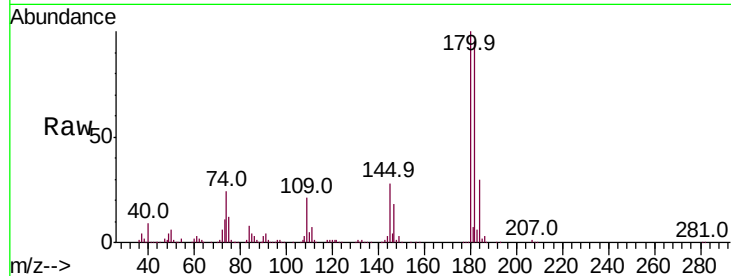
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	873620
Ion Ratio	Lower	Upper	
180	100		
182	96.7	48.0	144.2
145	28.2	14.2	42.8

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 45.725 ug/l

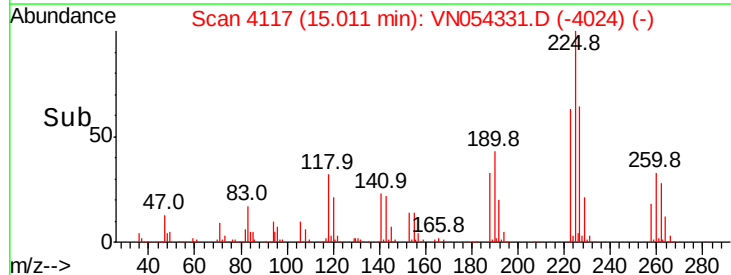
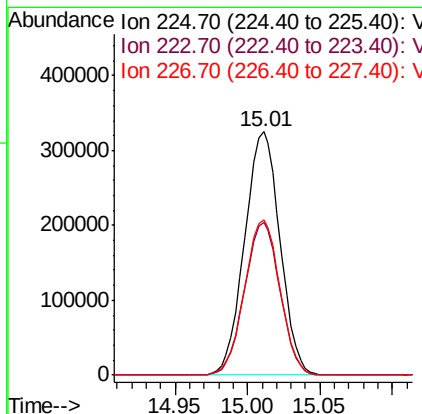
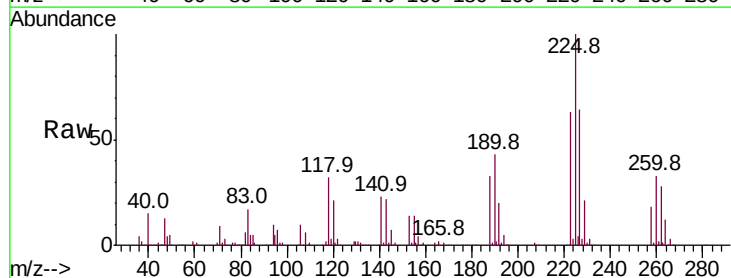
RT: 15.01 min Scan# 4117

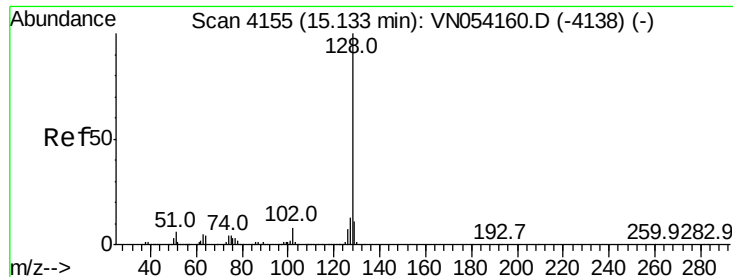
Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Tgt Ion:	225	Resp:	551919
Ion Ratio	Lower	Upper	
225	100		
223	62.8	31.1	93.5
227	63.9	31.9	95.9





#95

Naphthalene

Concen: 45.865 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1815645

Ion Ratio Lower Upper

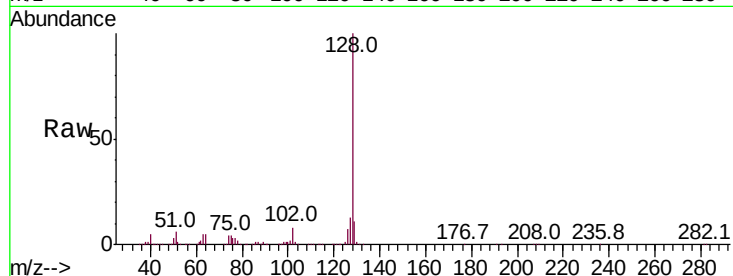
128 100

127 12.7 10.1 15.1

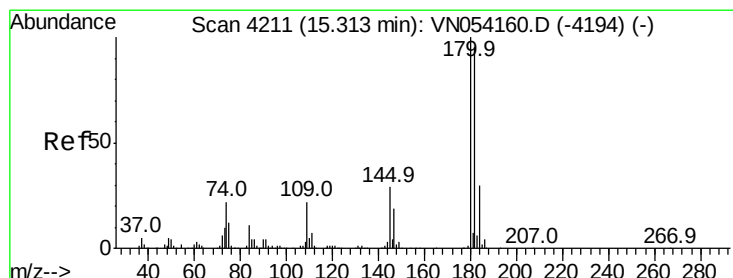
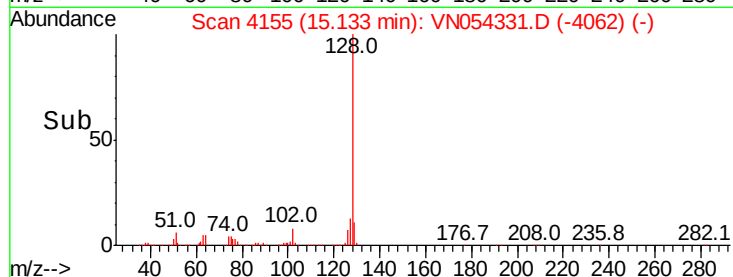
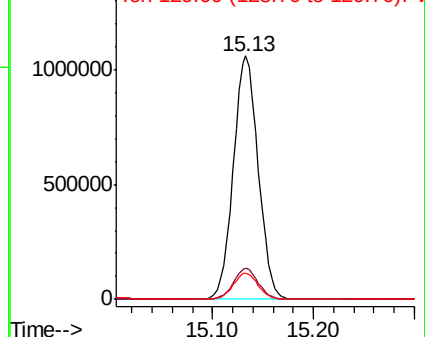
129 10.9 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
3/18/2019 11:30:36 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: 50.998 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

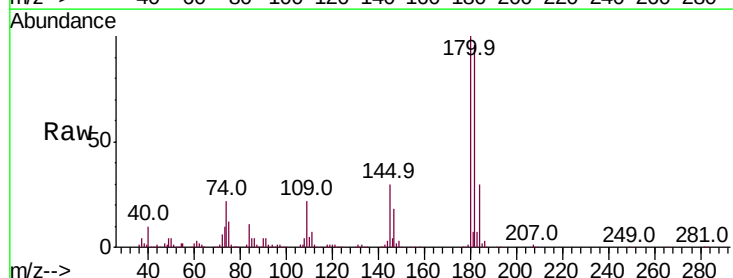
Tgt Ion:180 Resp: 858662

Ion Ratio Lower Upper

180 100

182 95.9 47.5 142.6

145 30.0 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

