

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054225.D
 Acq On : 13 Mar 2019 20:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 10:27:56 AM

Quant Time: Mar 14 08:09:16 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	7.67	168	1367080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2158692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1936270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	972789	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	768234	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
35) Dibromofluoromethane	7.59	113	711761	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
50) Toluene-d8	10.09	98	2583630	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	934000	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	676105	52.183	ug/l	98
3) Chloromethane	2.06	50	597584	47.482	ug/l	100
4) Vinyl Chloride	2.19	62	712807	49.553	ug/l	99
5) Bromomethane	2.57	94	362753	36.411	ug/l	97
6) Chloroethane	2.71	64	415117	47.695	ug/l	99
7) Trichlorofluoromethane	3.02	101	932781	48.772	ug/l	99
8) Diethyl Ether	3.41	74	462276	53.041	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	757615	52.863	ug/l	99
10) Methyl Iodide	3.94	142	652589	32.601	ug/l	99
11) Tert butyl alcohol	4.81	59	259056	260.279	ug/l #	83
12) 1,1-Dichloroethene	3.73	96	748090	52.673	ug/l	99
13) Acrolein	3.61	56	216089	229.118	ug/l	99
14) Allyl chloride	4.32	41	922874	50.645	ug/l	99
15) Acrylonitrile	4.99	53	1108690	271.179	ug/l	99
16) Acetone	3.82	43	859862	206.849	ug/l	100
17) Carbon Disulfide	4.04	76	1698194	47.698	ug/l	99
18) Methyl Acetate	4.33	43	490851	58.363	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1894213	53.807	ug/l	100
20) Methylene Chloride	4.55	84	699999	51.284	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	719442	52.870	ug/l	99
22) Diisopropyl ether	5.96	45	1943210	53.431	ug/l	98
23) Vinyl Acetate	5.90	43	7294071	272.018	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1220892	52.283	ug/l	99
25) 2-Butanone	6.85	43	1287369	263.859	ug/l	100
26) 2,2-Dichloropropane	6.82	77	922548	44.925	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	823254	54.229	ug/l	98
28) Bromochloromethane	7.19	49	506916	53.100	ug/l	96
29) Tetrahydrofuran	7.22	42	855183	272.611	ug/l	100
30) Chloroform	7.37	83	1304779	53.547	ug/l	100
31) Cyclohexane	7.65	56	1111269	50.924	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1153269	52.405	ug/l	99
36) 1,1-Dichloropropene	7.79	75	989082	49.753	ug/l	99
37) Ethyl Acetate	6.94	43	587345	51.419	ug/l	99
38) Carbon Tetrachloride	7.77	117	1006162	48.263	ug/l	99

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1191244	48.703	ug/l	99
40) Benzene	8.04	78	2890915	50.818	ug/l	99
41) Methacrylonitrile	7.18	41	318118	48.776	ug/l	96
42) 1,2-Dichloroethane	8.12	62	968633	50.433	ug/l	100
43) Isopropyl Acetate	8.17	43	1019447	50.845	ug/l	99
44) Trichloroethene	8.84	130	887947	50.246	ug/l	98
45) 1,2-Dichloropropane	9.12	63	728737	51.589	ug/l	98
46) Dibromomethane	9.21	93	483695	50.679	ug/l	100
47) Bromodichloromethane	9.40	83	979655	51.201	ug/l	98
48) Methyl methacrylate	9.20	41	541708	53.239	ug/l	100
49) 1,4-Dioxane	9.20	88	153642	1067.522	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2868620	270.356	ug/l	100
52) Toluene	10.16	92	1833571	50.833	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	981273	45.044	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1119178	50.195	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	677647	51.451	ug/l	99
56) Ethyl methacrylate	10.43	69	847693	53.978	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1110978	51.587	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1616591	238.128	ug/l	100
59) 2-Hexanone	10.75	43	1844862	261.304	ug/l	100
60) Dibromochloromethane	10.90	129	755719	50.978	ug/l	100
61) 1,2-Dibromoethane	11.01	107	703282	52.545	ug/l	99
64) Tetrachloroethene	10.63	164	863989	46.151	ug/l	99
65) Chlorobenzene	11.43	112	2153335	50.648	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	774766	50.164	ug/l	99
67) Ethyl Benzene	11.51	91	3525292	50.021	ug/l	100
68) m/p-Xylenes	11.62	106	2778809	100.881	ug/l	99
69) o-Xylene	11.95	106	1359572	50.632	ug/l	98
70) Styrene	11.96	104	2169408	51.514	ug/l	99
71) Bromoform	12.13	173	515597	44.085	ug/l	100
73) Isopropylbenzene	12.25	105	3560374	45.746	ug/l	100
74) N-amyl acetate	12.07	43	856610	49.585	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	805833	48.597	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	619906m	43.334	ug/l	
77) Bromobenzene	12.53	156	994937	48.310	ug/l	97
78) n-propylbenzene	12.59	91	3966934	46.974	ug/l	99
79) 2-Chlorotoluene	12.68	91	2353092	46.342	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2978695	46.012	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	177293	42.367	ug/l	95
82) 4-Chlorotoluene	12.77	91	2407327	47.479	ug/l	99
83) tert-Butylbenzene	12.99	119	2723330	45.703	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	3029308	47.698	ug/l	100
85) sec-Butylbenzene	13.17	105	3538921	45.796	ug/l	100
86) p-Isopropyltoluene	13.29	119	3145274	46.394	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1690832	48.723	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1665761	48.862	ug/l	100
89) n-Butylbenzene	13.62	91	2521403	48.949	ug/l	100
90) Hexachloroethane	13.88	117	498319	44.391	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1664770	49.072	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	123158	47.997	ug/l	98

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ClientSampleId :
VSTDCCC050EC

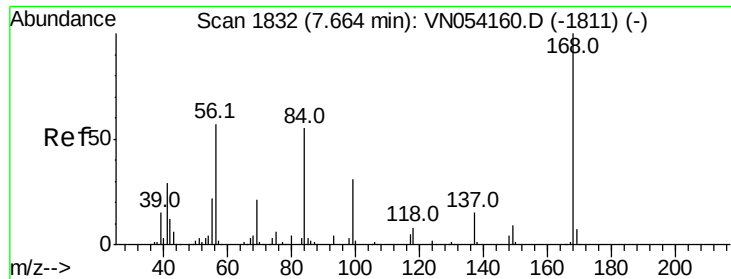
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	948537	46.497	ug/l	100
94) Hexachlorobutadiene	15.01	225	562269	43.512	ug/l	100
95) Naphthalene	15.13	128	1976277	46.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	943670	52.353	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 1367080

Ion Ratio Lower Upper

168 100

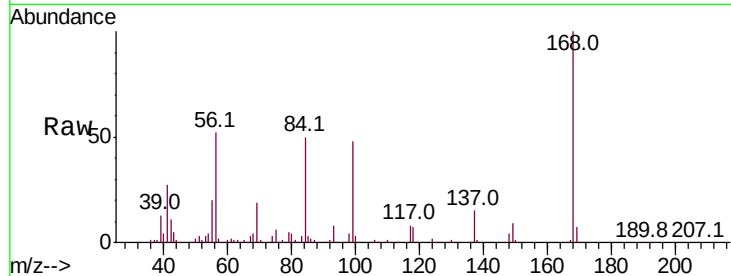
99 46.2 37.1 55.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

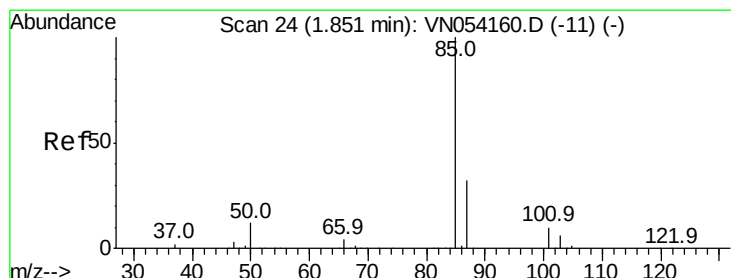
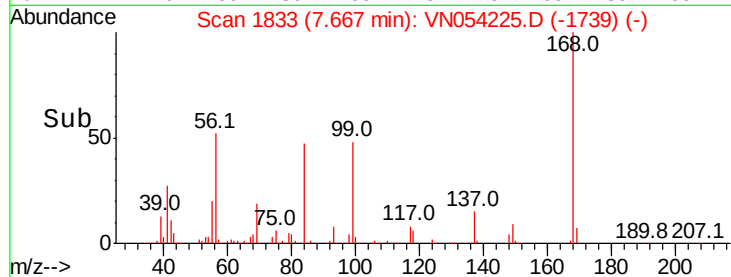
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.183 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054225.D

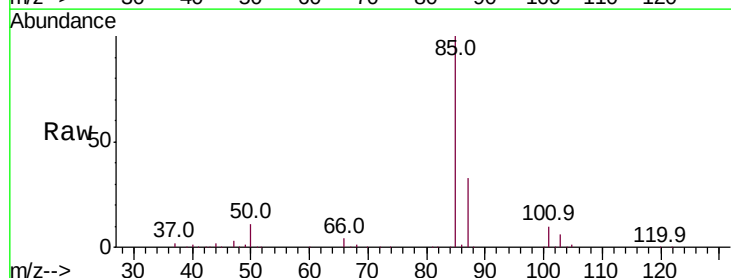
Acq: 13 Mar 2019 20:56

Tgt Ion: 85 Resp: 676105

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

500000

400000

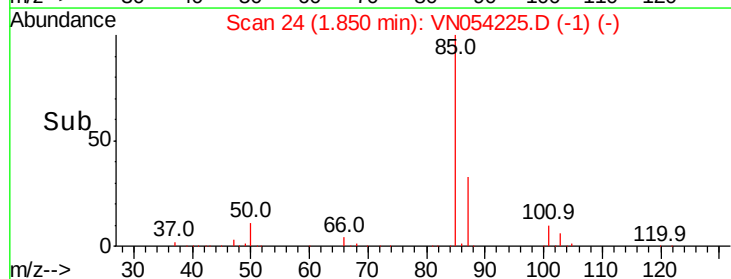
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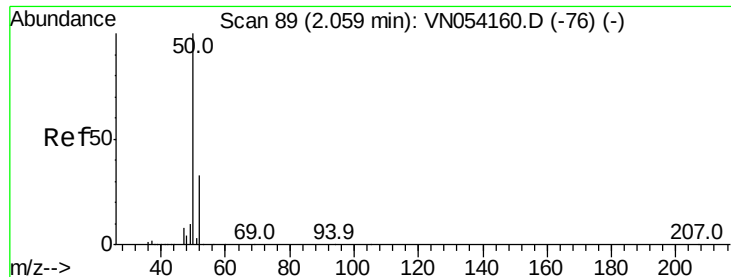
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100000

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Time-->





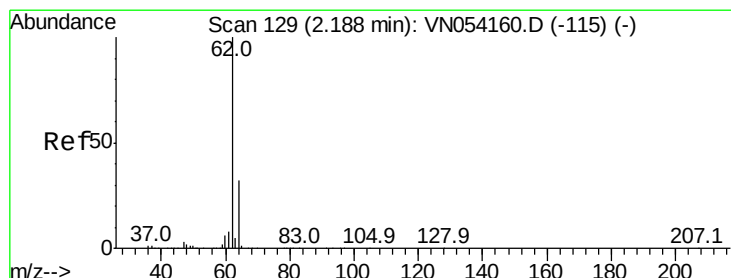
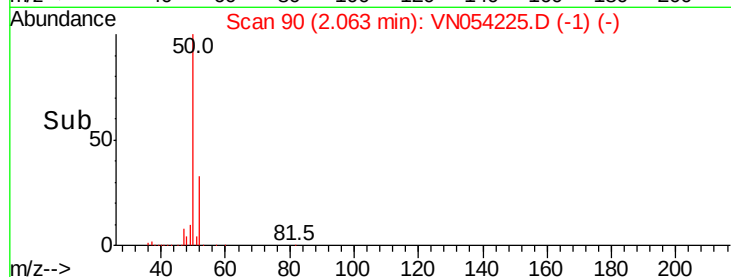
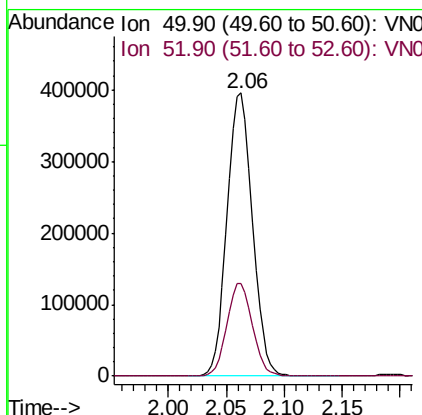
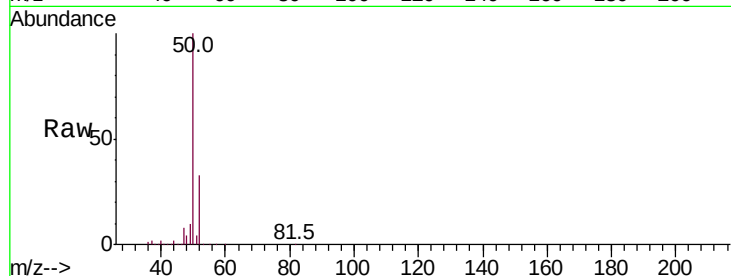
#3
Chloromethane
Concen: 47.482 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 50 Resp: 597584
Ion Ratio Lower Upper
50 100
52 32.8 26.4 39.6

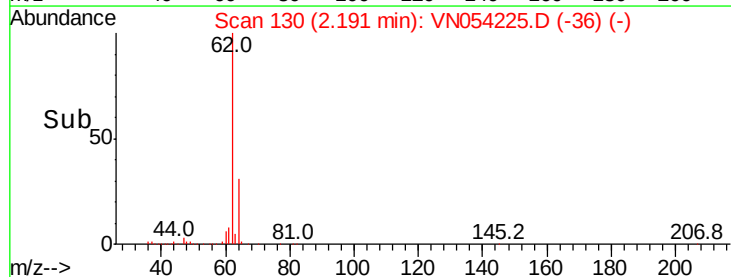
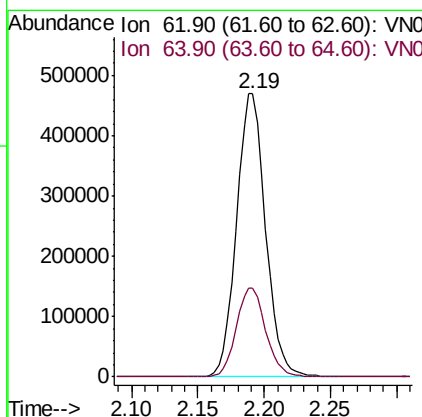
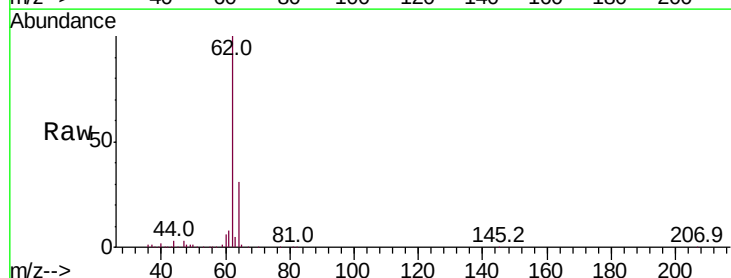
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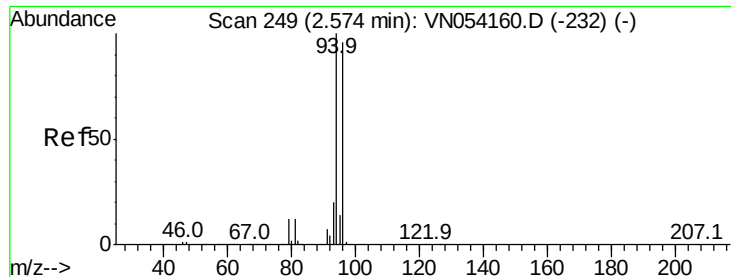
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#4
Vinyl Chloride
Concen: 49.553 ug/l
RT: 2.19 min Scan# 130
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Tgt Ion: 62 Resp: 712807
Ion Ratio Lower Upper
62 100
64 31.1 25.5 38.3





#5

Bromomethane

Concen: 36.411 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 362753

Ion Ratio Lower Upper

94 100

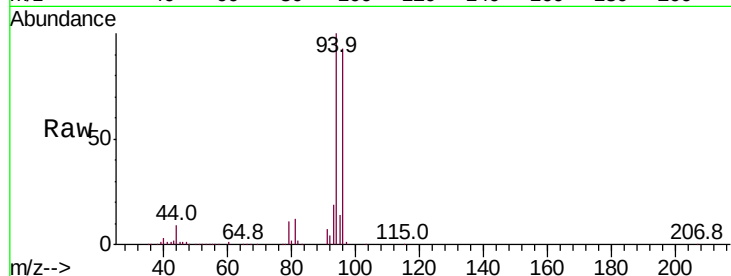
96 93.4 77.0 115.4

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

200000

150000

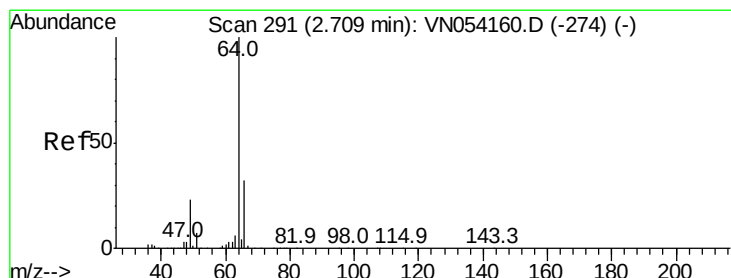
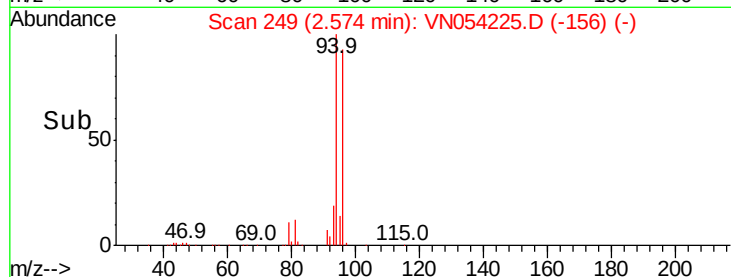
100000

50000

0

2.50 2.55 2.60 2.65 2.70

Time-->



#6

Chloroethane

Concen: 47.695 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054225.D

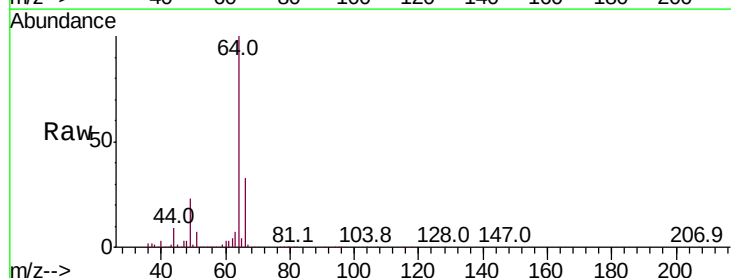
Acq: 13 Mar 2019 20:56

Tgt Ion: 64 Resp: 415117

Ion Ratio Lower Upper

64 100

66 32.9 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

150000

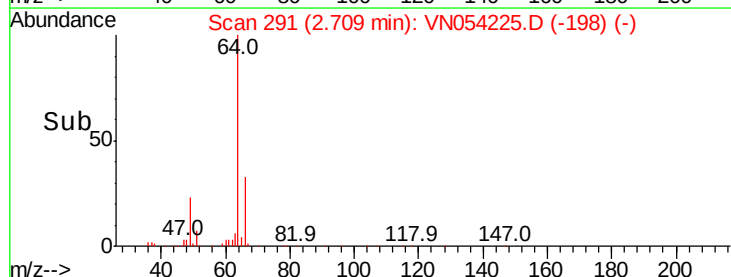
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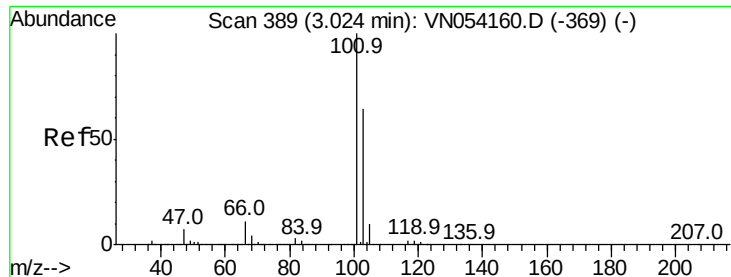
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0

2.60 2.70 2.80

Time-->





#7

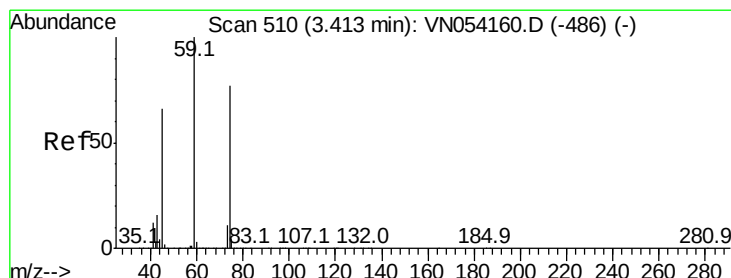
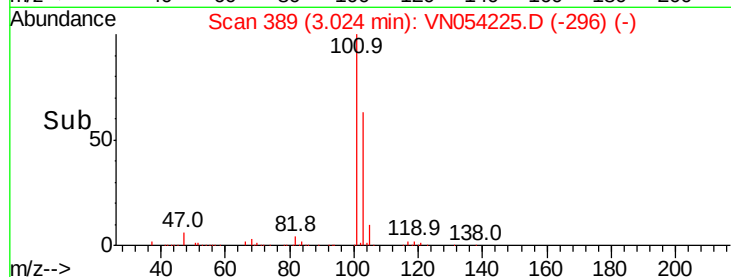
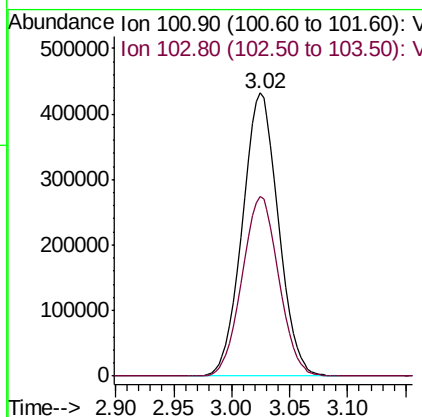
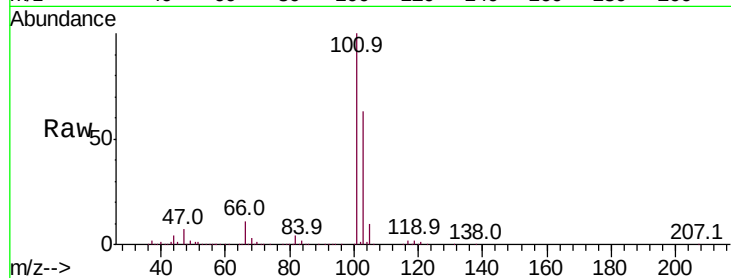
Trichlorofluoromethane
Concen: 48.772 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.4	77.2

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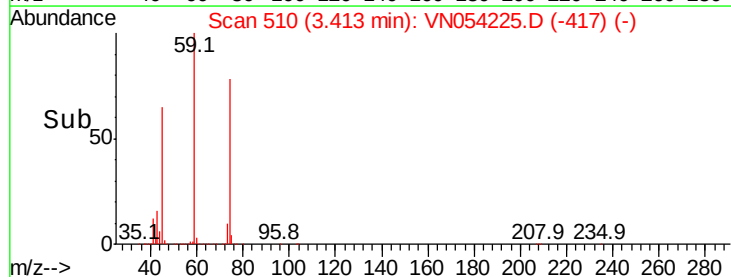
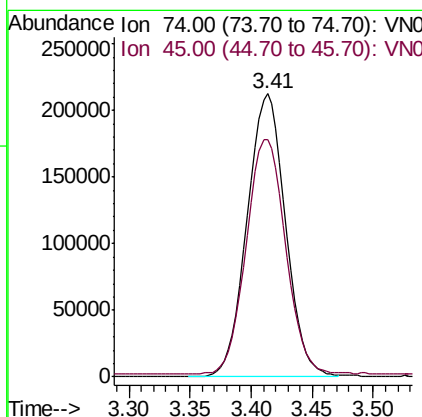
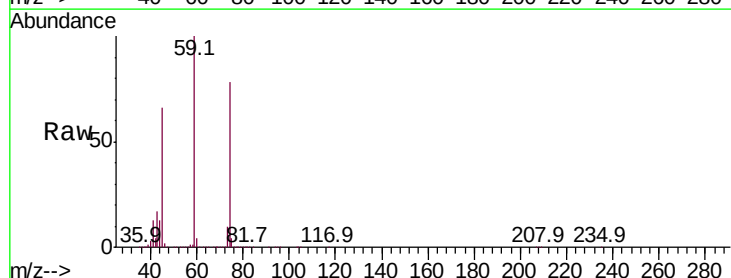
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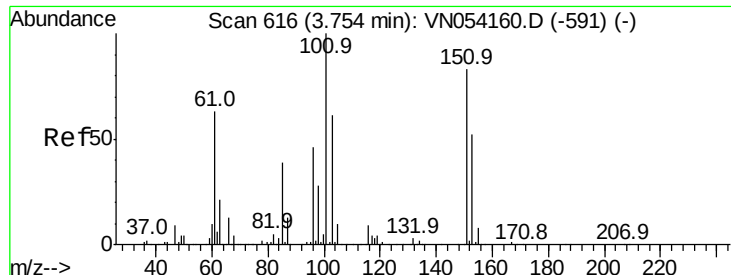


#8

Diethyl Ether
Concen: 53.041 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.6	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.863 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

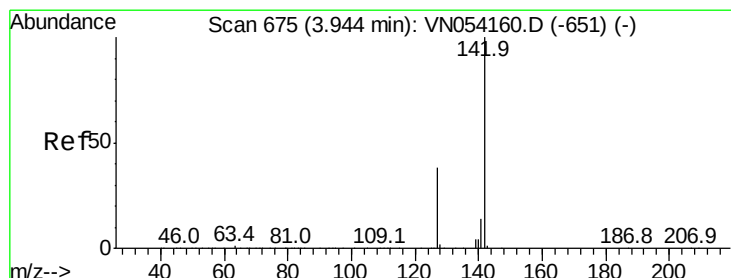
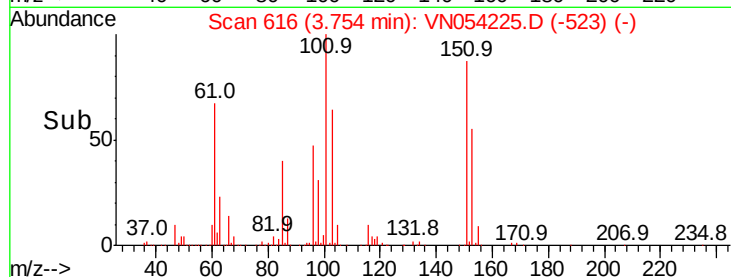
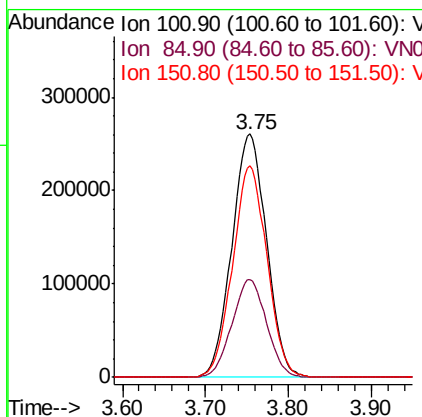
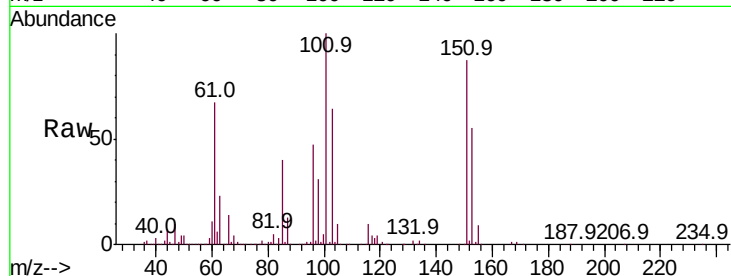
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	757615
Ion Ratio	Lower	Upper	
101	100		
85	40.3	32.4	48.6
151	86.2	68.2	102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 32.601 ug/l

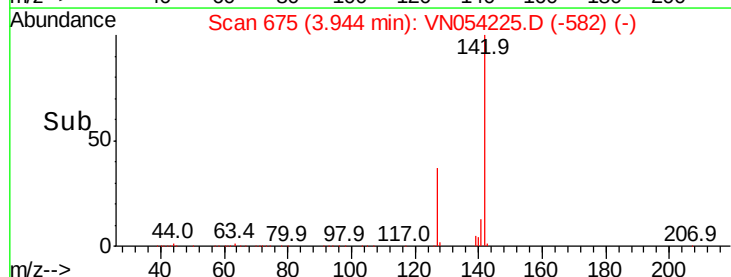
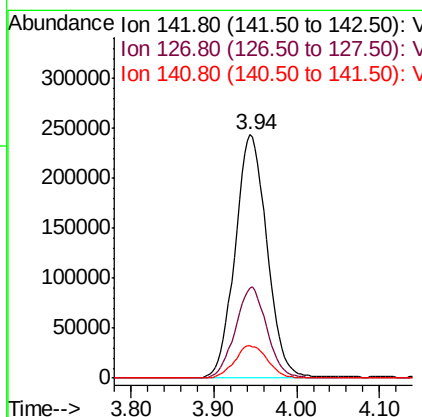
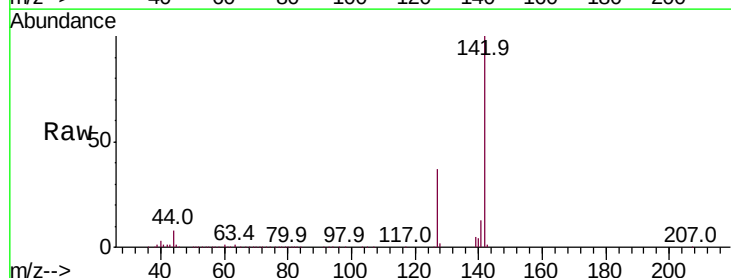
RT: 3.94 min Scan# 675

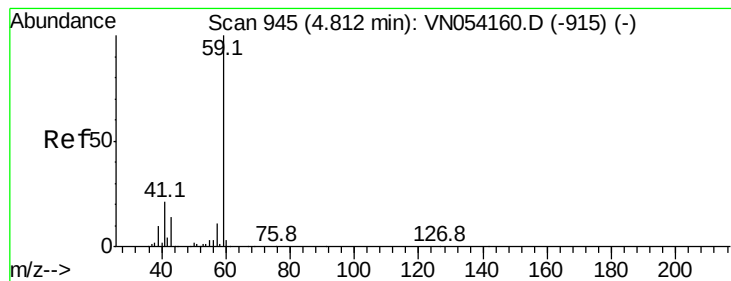
Delta R.T. -0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Tgt Ion:	142	Resp:	652589
Ion Ratio	Lower	Upper	
142	100		
127	37.1	30.3	45.5
141	13.9	11.2	16.8





#11

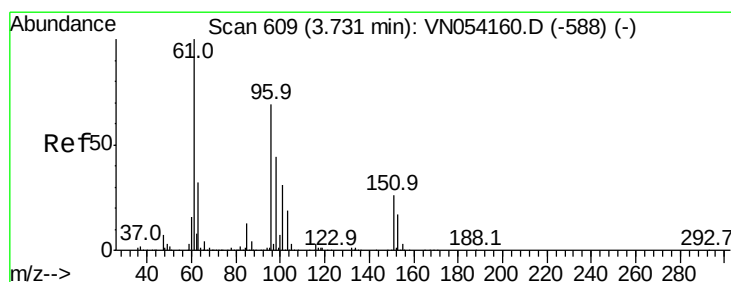
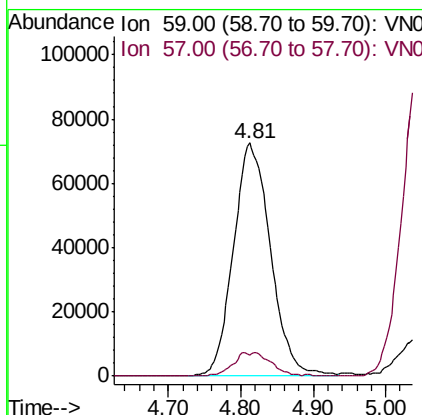
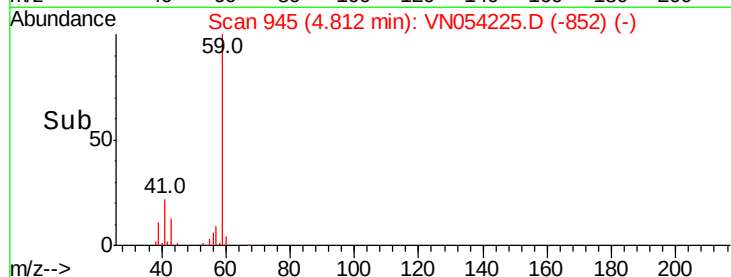
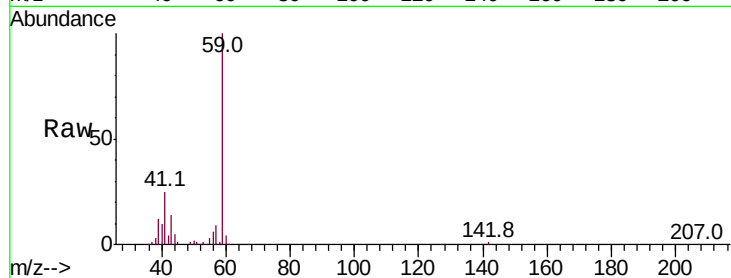
Tert butyl alcohol
 Concen: 260.279 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN054225.D
 Acq: 13 Mar 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 59 Resp: 259056
 Ion Ratio Lower Upper
 59 100
 57 4.7 9.0 13.6#

Manual Integrations
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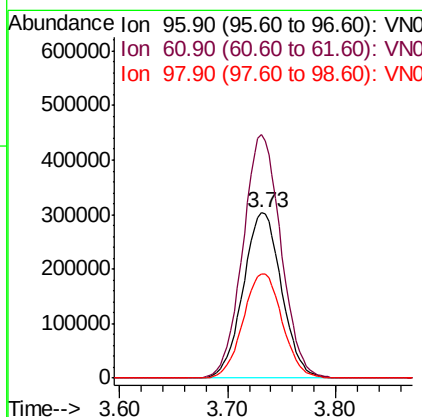
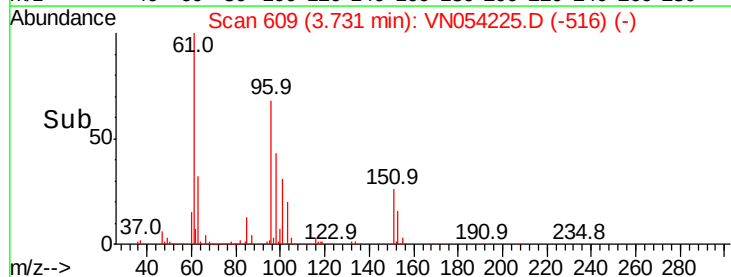
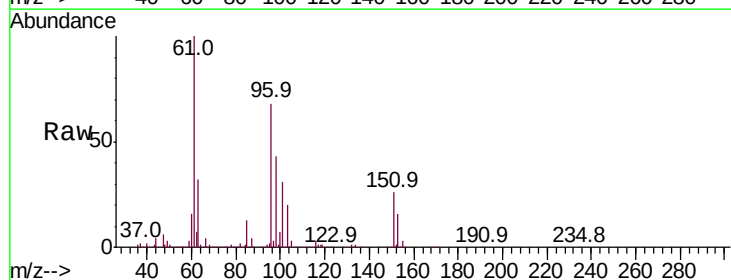
MMDadoda
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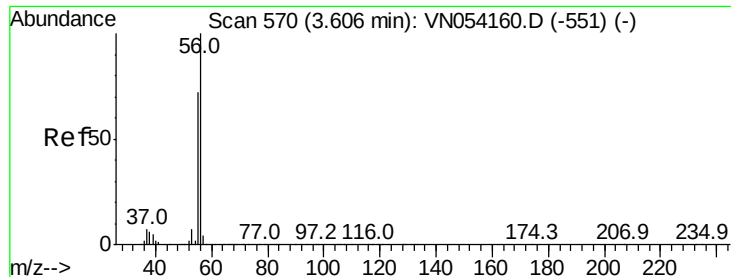


#12

1,1-Dichloroethene
 Concen: 52.673 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054225.D
 Acq: 13 Mar 2019 20:56

Tgt Ion: 96 Resp: 748090
 Ion Ratio Lower Upper
 96 100
 61 147.6 116.5 174.7
 98 63.5 51.0 76.4





#13

Acrolein

Concen: 229.118 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 216089

Ion Ratio Lower Upper

56 100

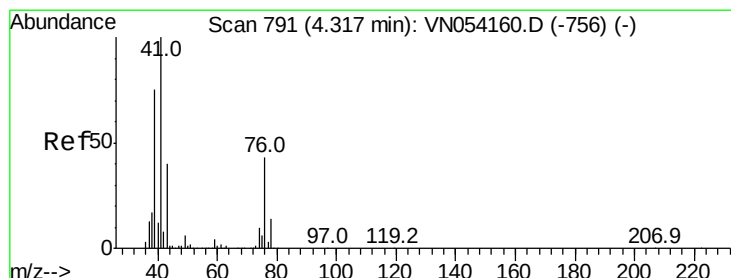
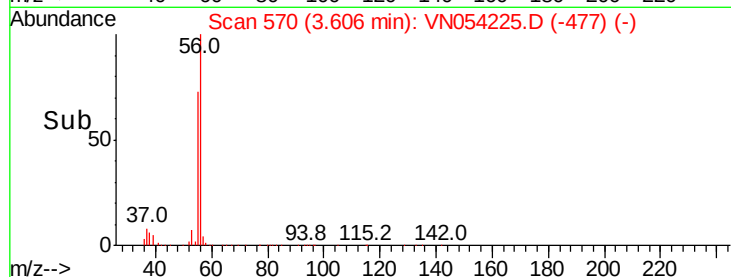
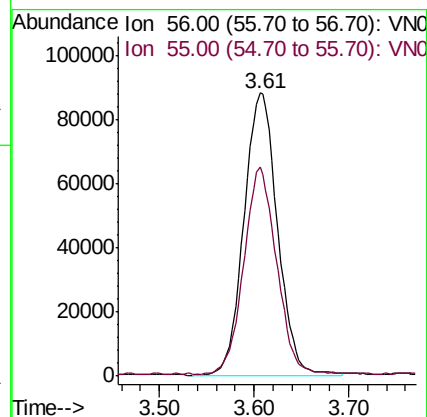
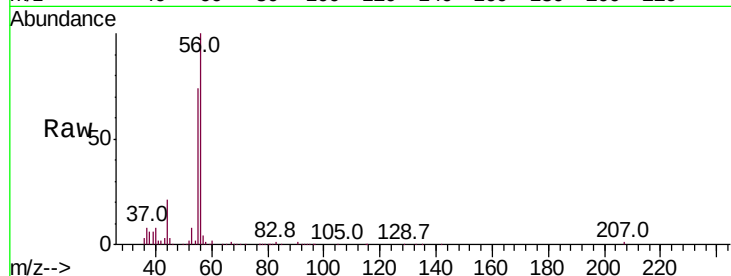
55 71.6 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 50.645 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

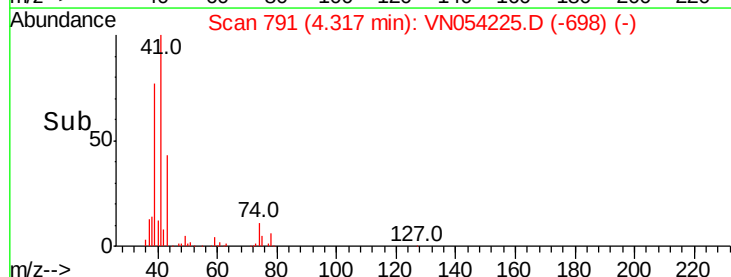
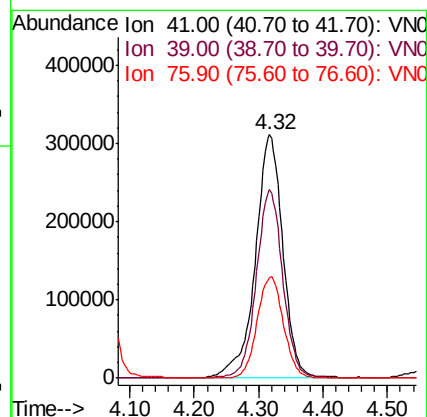
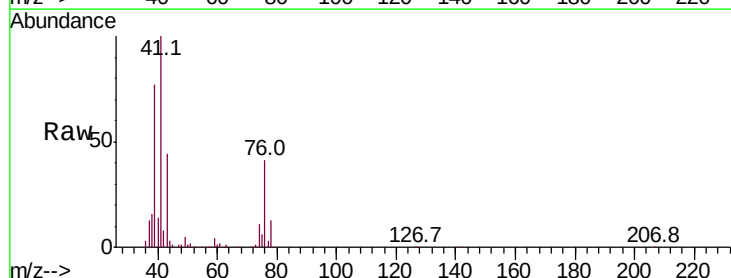
Tgt Ion: 41 Resp: 922874

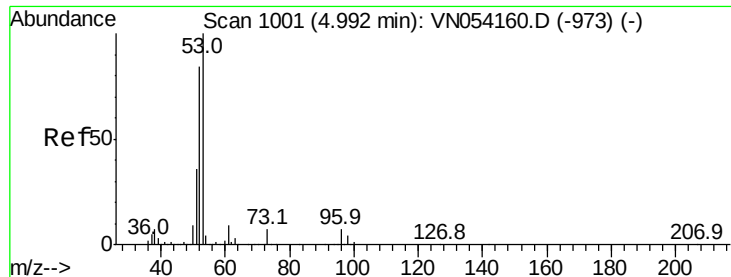
Ion Ratio Lower Upper

41 100

39 74.1 58.2 87.4

76 39.6 31.7 47.5





#15

Acrylonitrile

Concen: 271.179 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 1108690

Ion Ratio Lower Upper

53 100

52 82.6 66.4 99.6

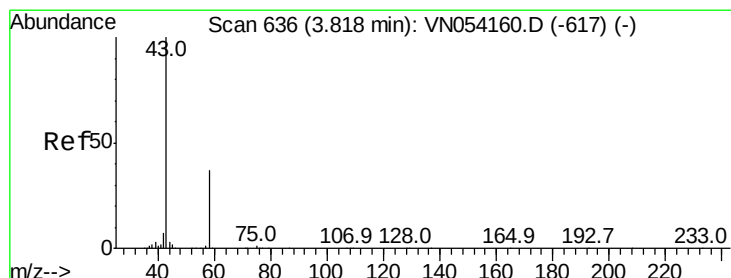
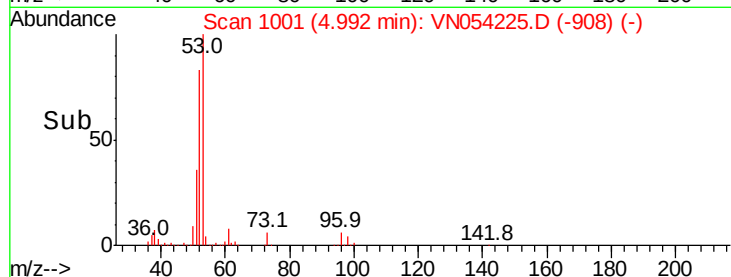
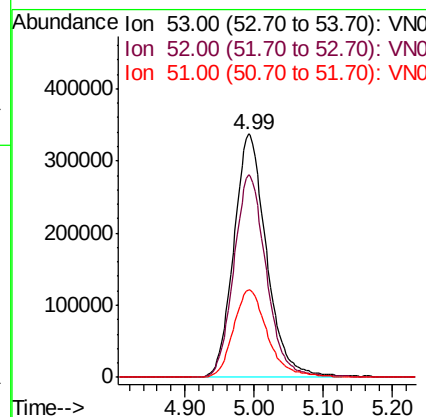
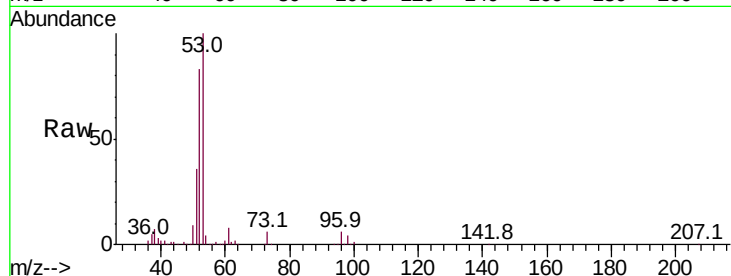
51 37.5 29.6 44.4

Manual Integrations

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#16

Acetone

Concen: 206.849 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054225.D

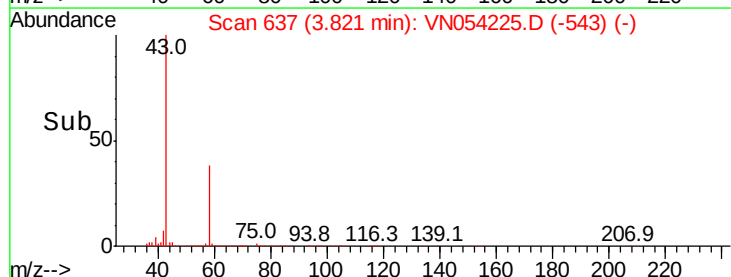
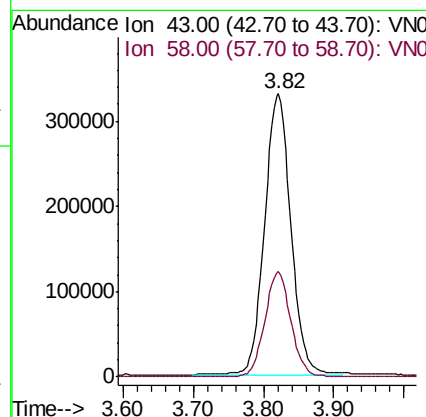
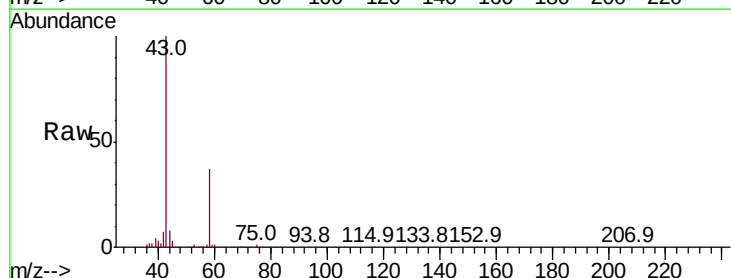
Acq: 13 Mar 2019 20:56

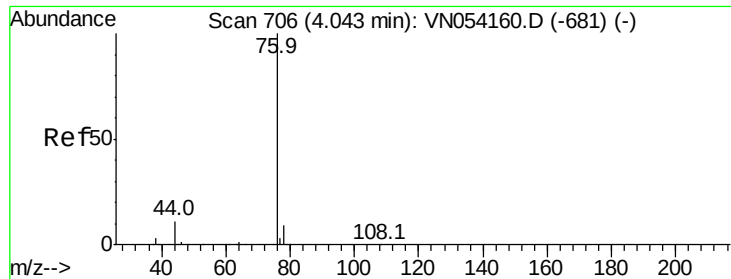
Tgt Ion: 43 Resp: 859862

Ion Ratio Lower Upper

43 100

58 37.5 29.9 44.9





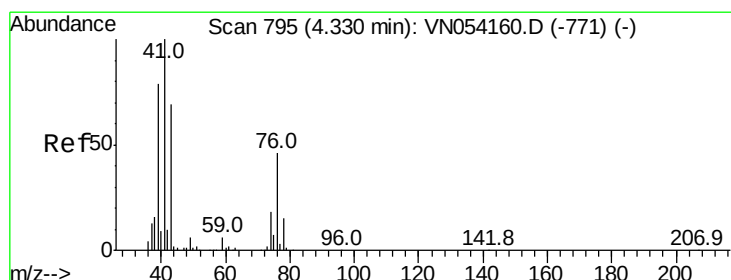
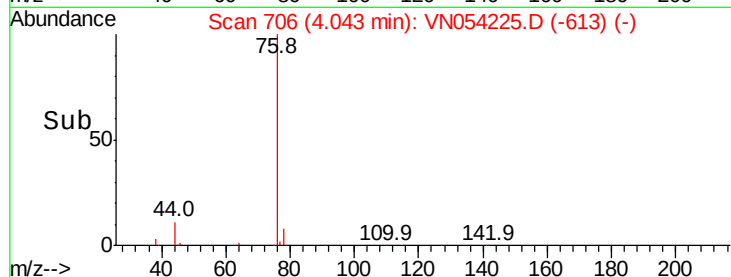
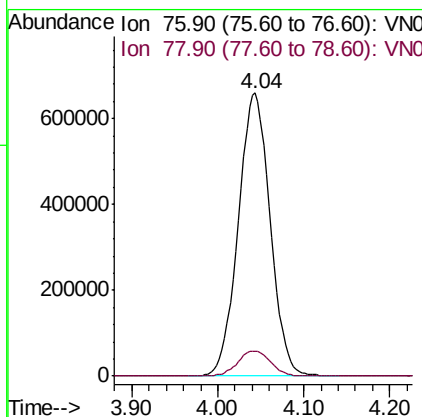
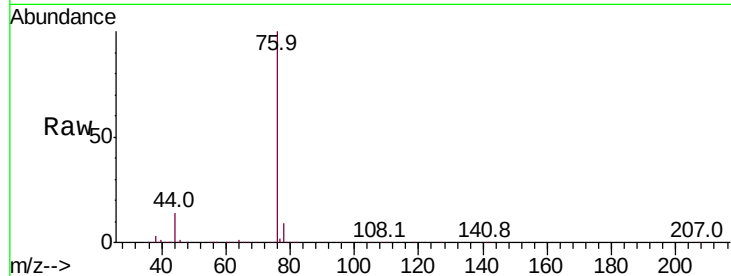
#17
Carbon Disulfide
Concen: 47.698 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1698194
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3

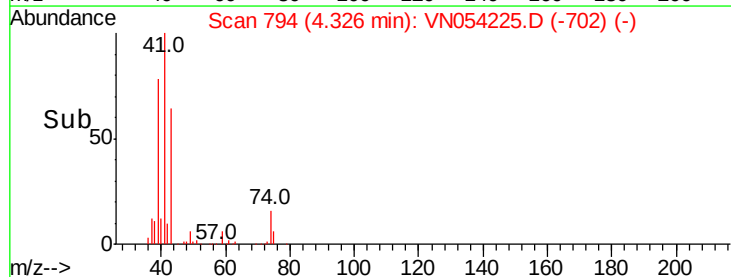
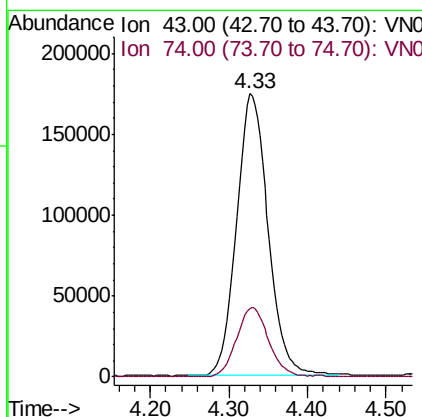
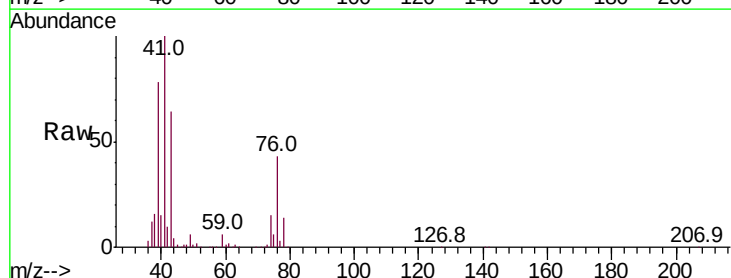
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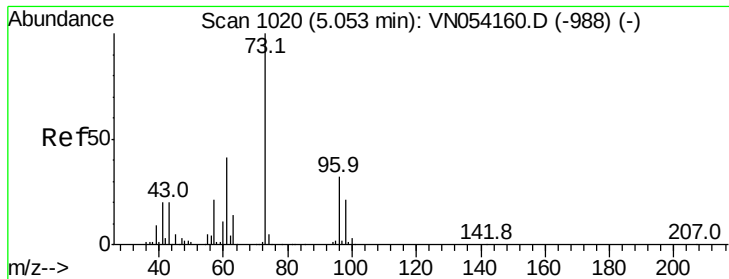
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#18
Methyl Acetate
Concen: 58.363 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Tgt Ion: 43 Resp: 490851
Ion Ratio Lower Upper
43 100
74 25.1 20.8 31.2





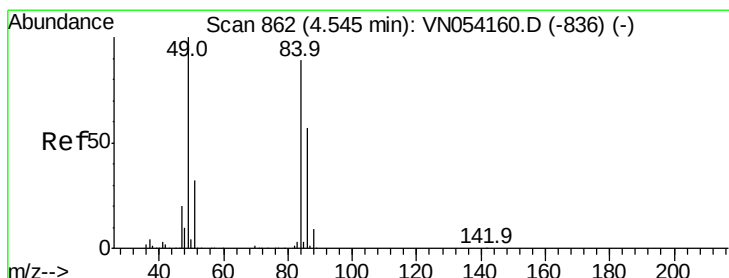
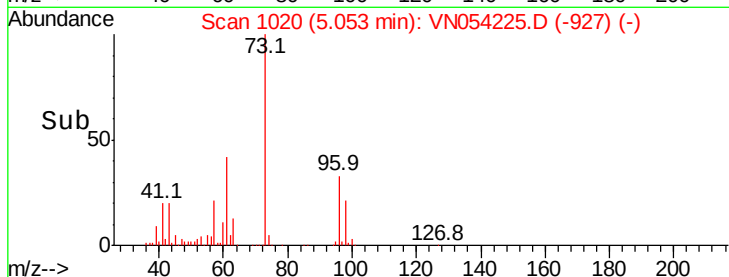
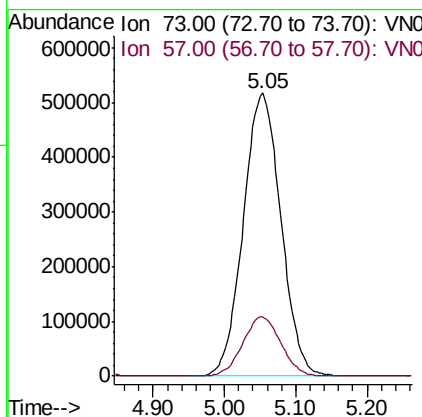
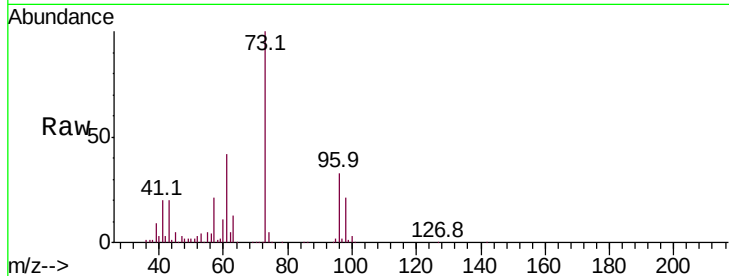
#19
Methvl tert-butvl Ether
Concen: 53.807 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1894213
Ion Ratio Lower Upper
73 100
57 21.0 16.8 25.2

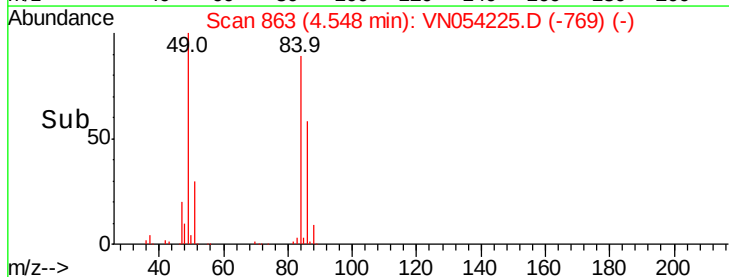
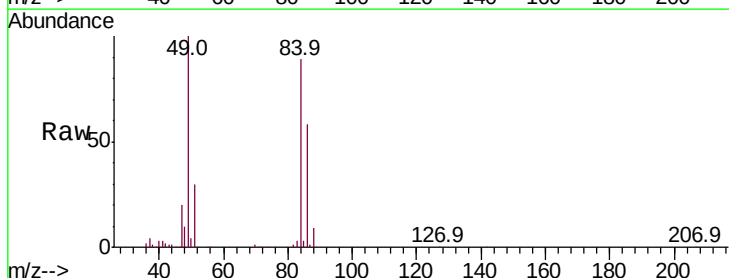
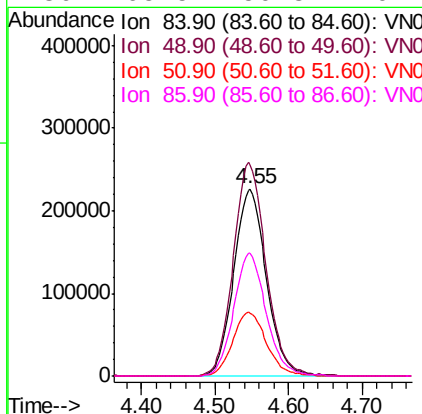
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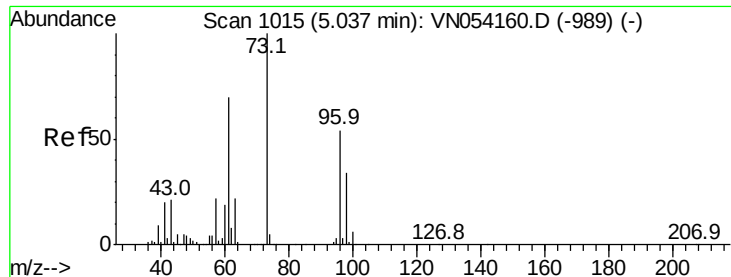
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#20
Methylene Chloride
Concen: 51.284 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Tgt Ion: 84 Resp: 699999
Ion Ratio Lower Upper
84 100
49 113.0 89.7 134.5
51 33.7 28.2 42.4
86 65.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 52.870 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 719442

Ion Ratio Lower Upper

96 100

61 127.3 102.8 154.2

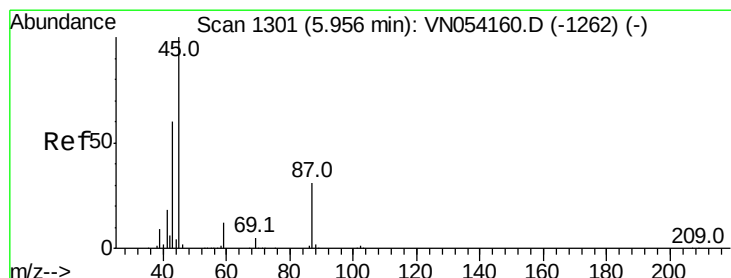
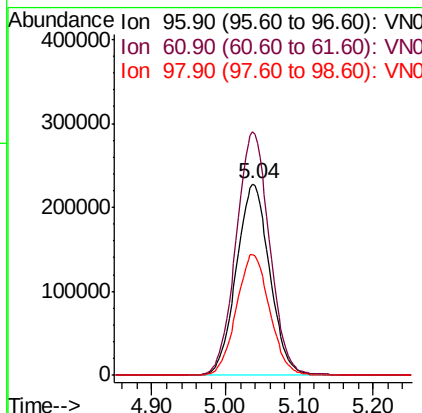
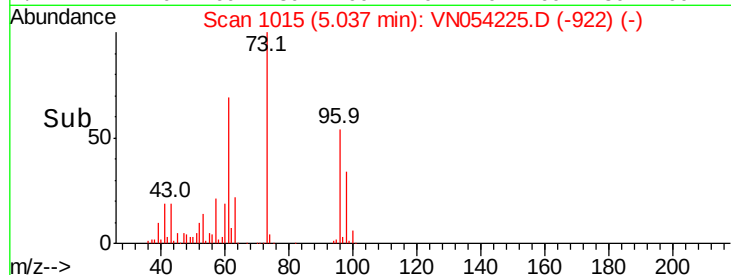
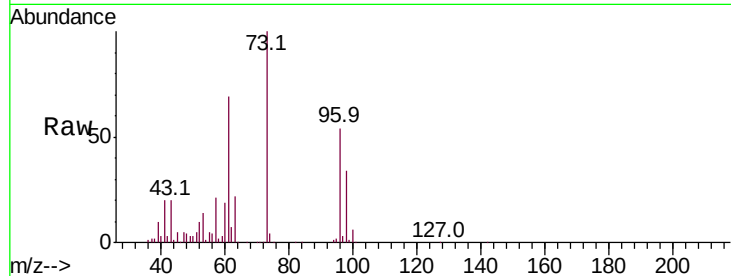
98 63.2 50.0 75.0

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#22

Diisopropyl ether

Concen: 53.431 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Tgt Ion: 45 Resp: 1943210

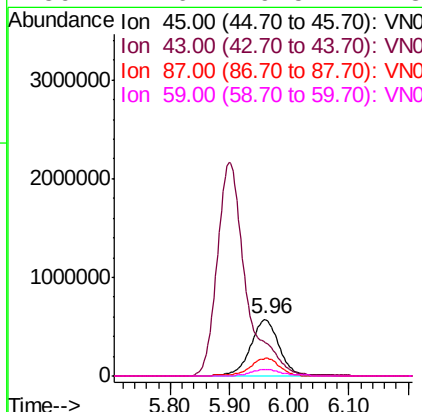
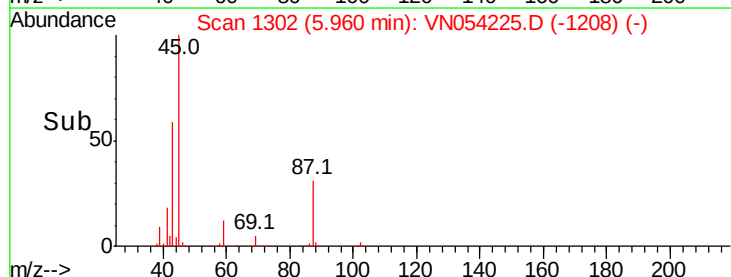
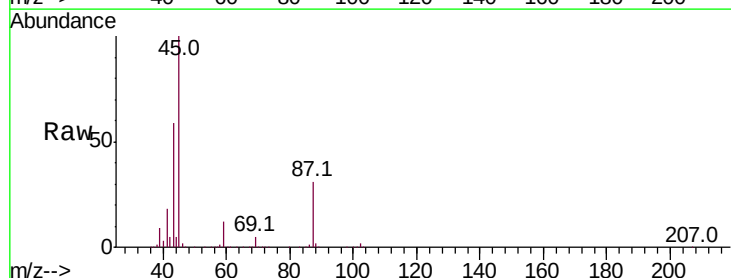
Ion Ratio Lower Upper

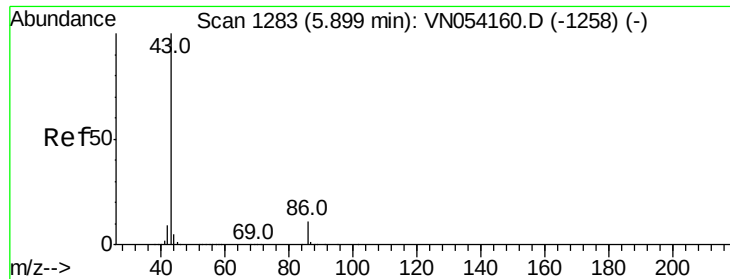
45 100

43 58.4 48.2 72.2

87 30.4 24.9 37.3

59 11.6 9.5 14.3





#23

Vinyl Acetate

Concen: 272.018 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 7294071

Ion Ratio Lower Upper

43 100

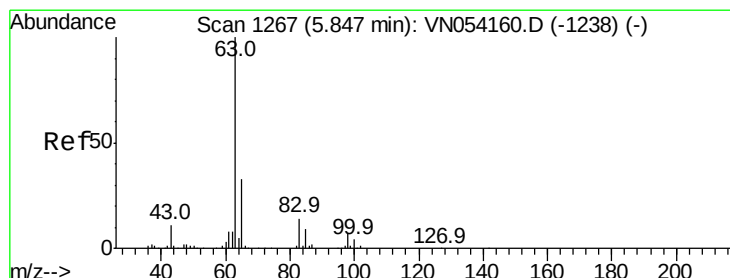
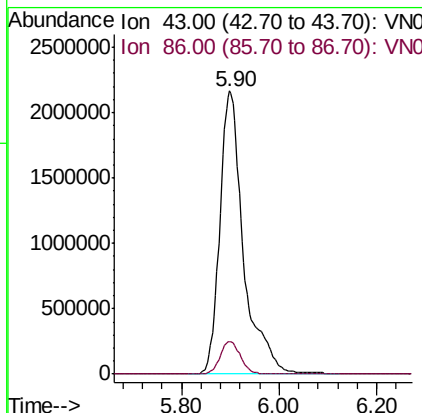
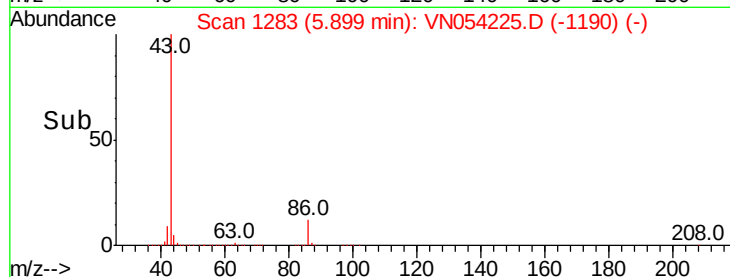
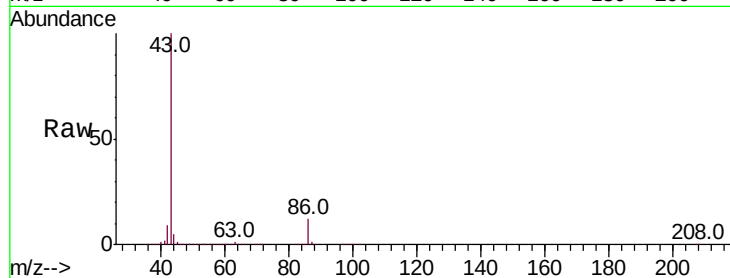
86 11.5 9.1 13.7

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#24

1,1-Dichloroethane

Concen: 52.283 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

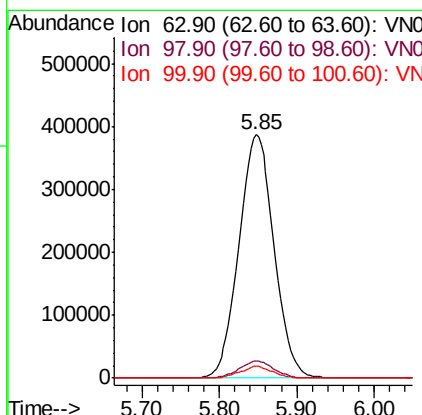
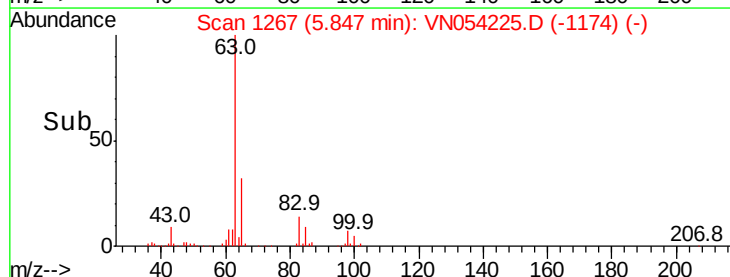
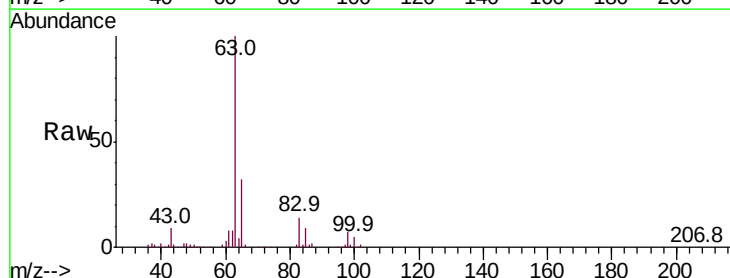
Tgt Ion: 63 Resp: 1220892

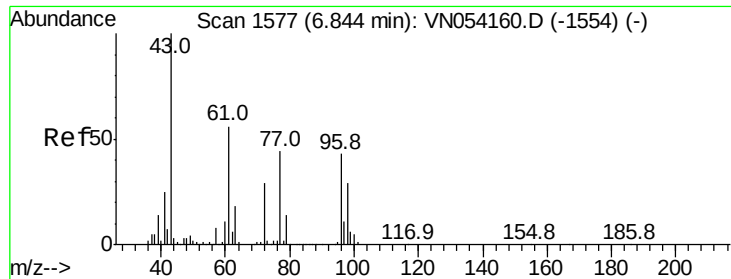
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.9 2.0 6.0





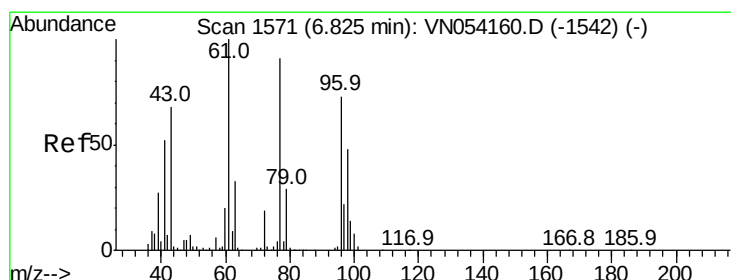
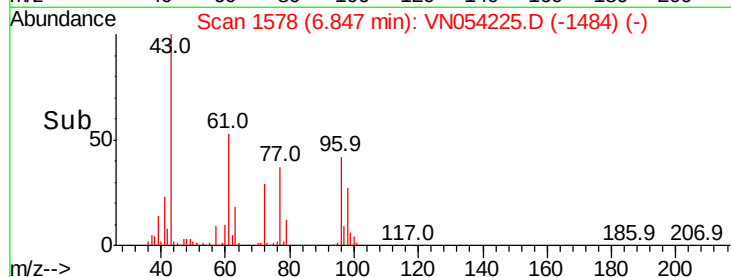
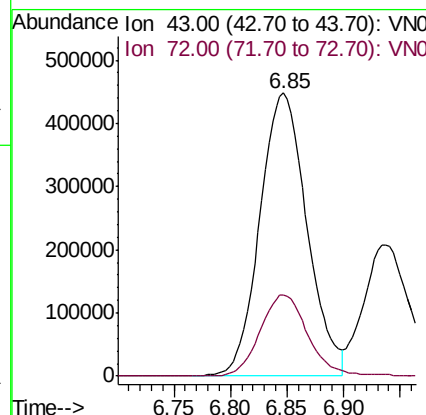
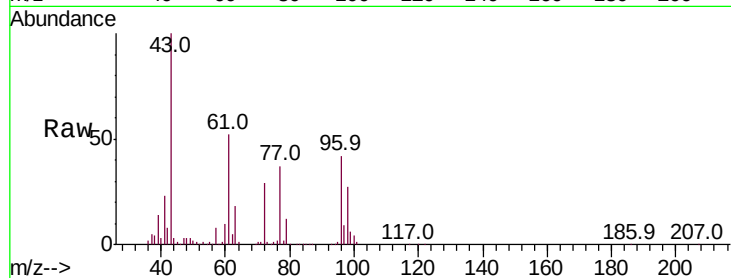
#25
2-Butanone
Concen: 263.859 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1287369
Ion Ratio Lower Upper
43 100
72 28.9 23.0 34.6

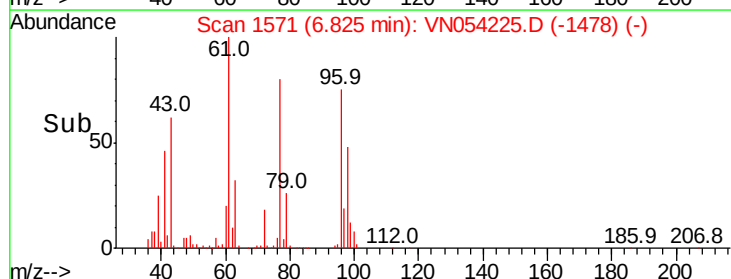
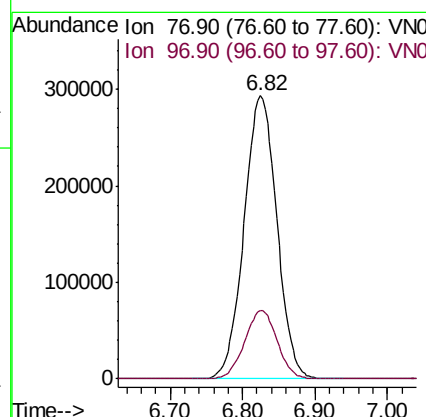
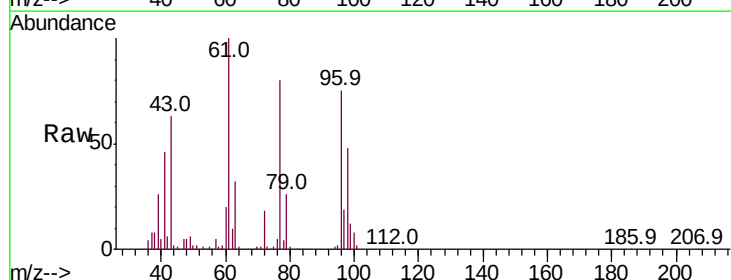
Manual Integrations
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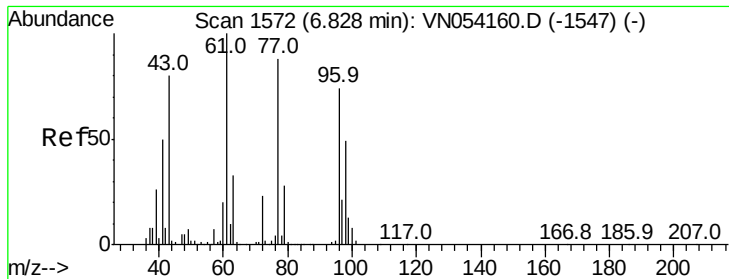
MMDadoda
3/14/2019 10:27:56 AM



#26
2,2-Dichloropropane
Concen: 44.925 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Tgt Ion: 77 Resp: 922548
Ion Ratio Lower Upper
77 100
97 24.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 54.229 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054225.D

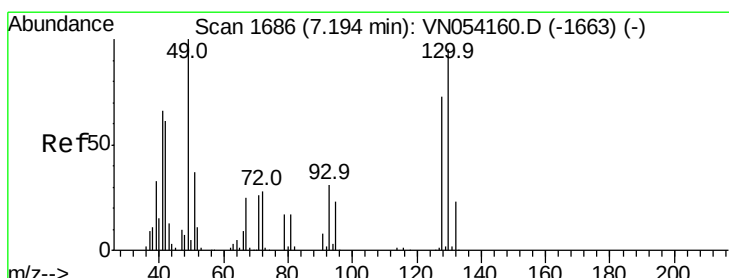
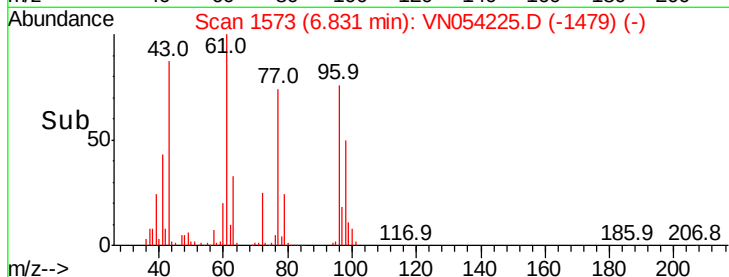
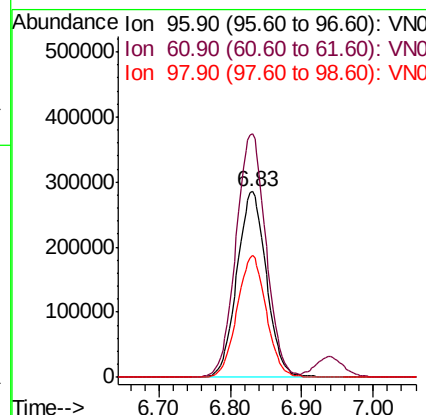
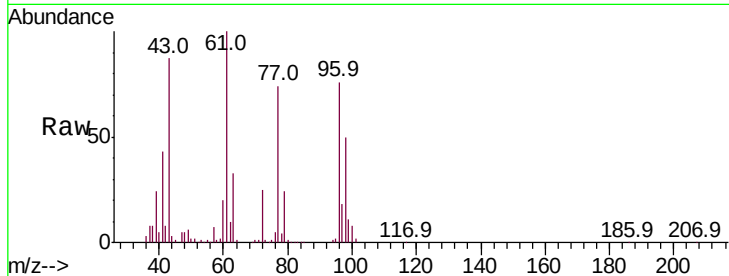
Acq: 13 Mar 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.9	0.0	273.0	
98	64.7	0.0	130.6	

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#28

Bromochloromethane

Concen: 53.100 ug/l

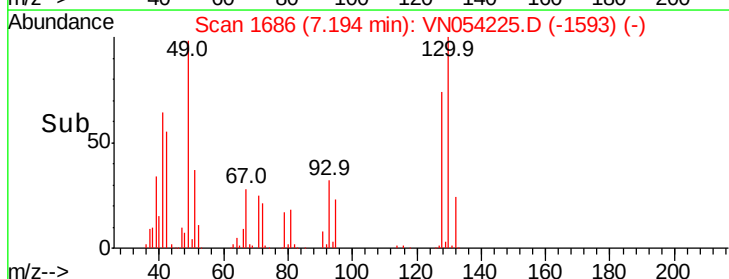
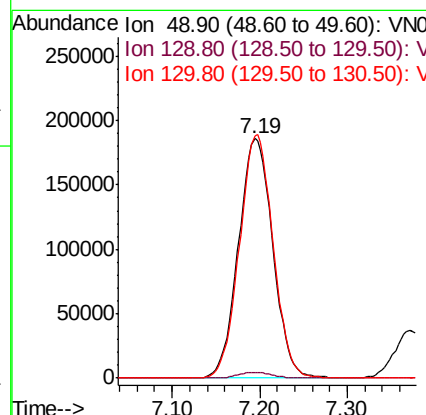
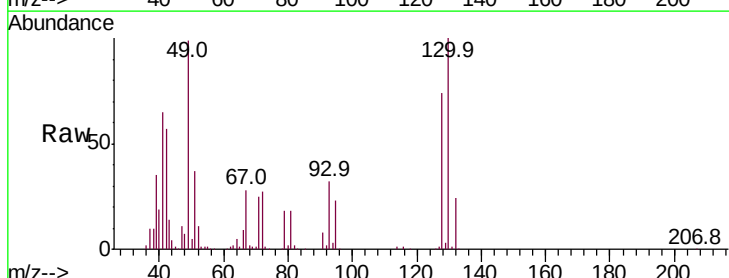
RT: 7.19 min Scan# 1686

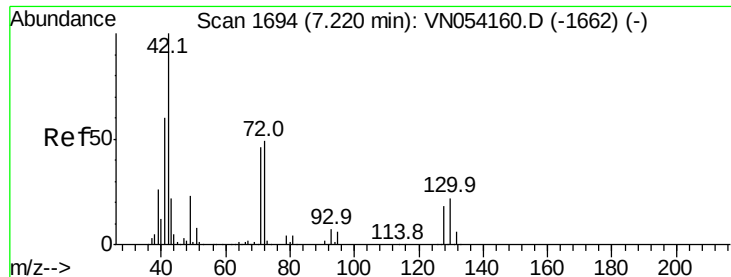
Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	4.6	
130	99.5	76.7	115.1	





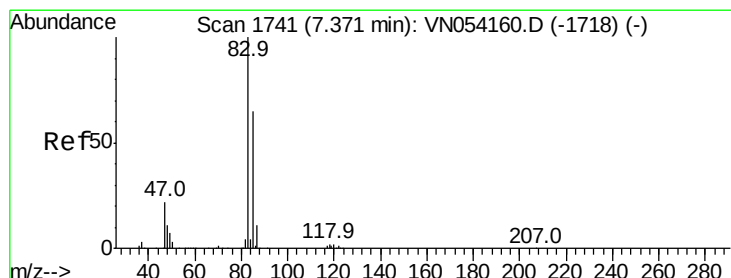
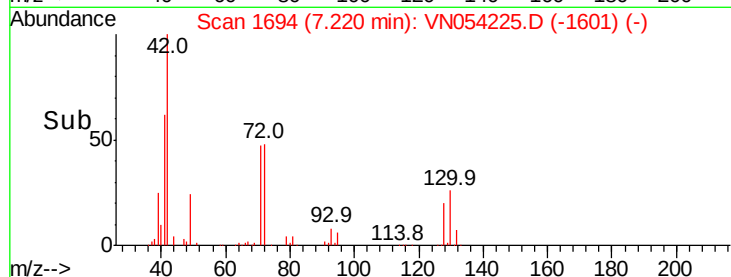
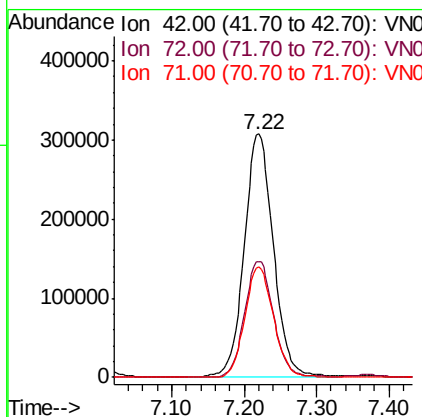
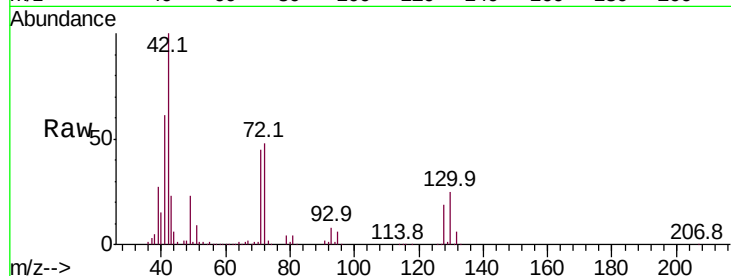
#29
Tetrahydrofuran
Concen: 272.611 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.4	37.8	56.6
71	45.1	36.2	54.2

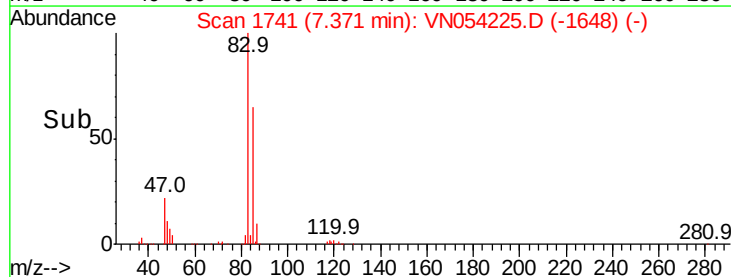
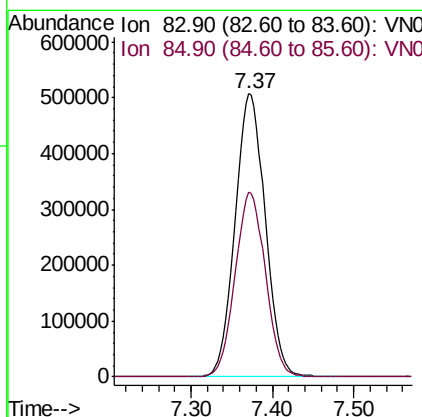
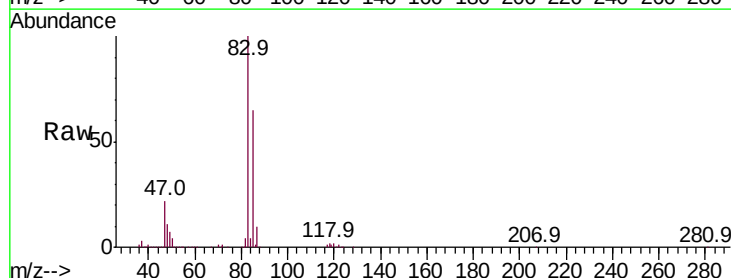
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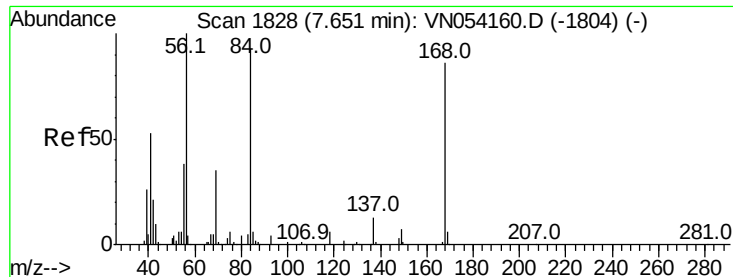
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#30
Chloroform
Concen: 53.547 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.4





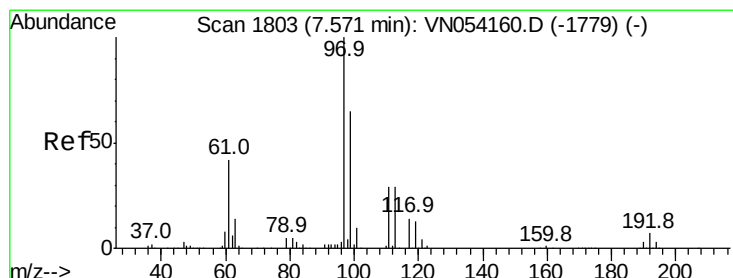
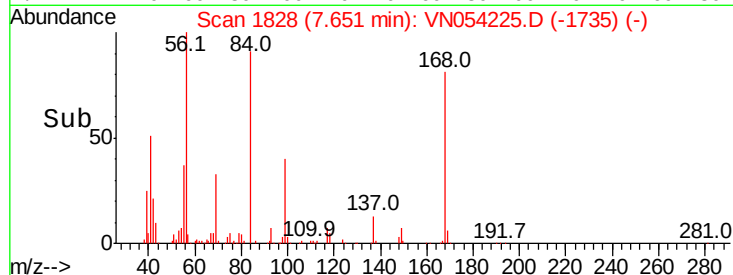
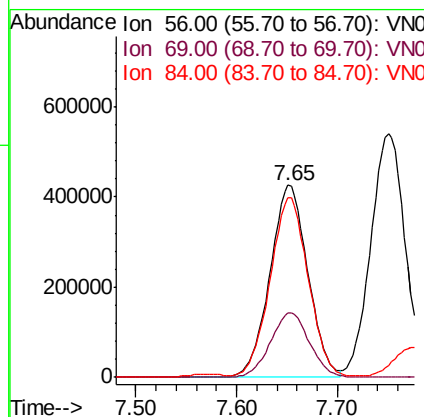
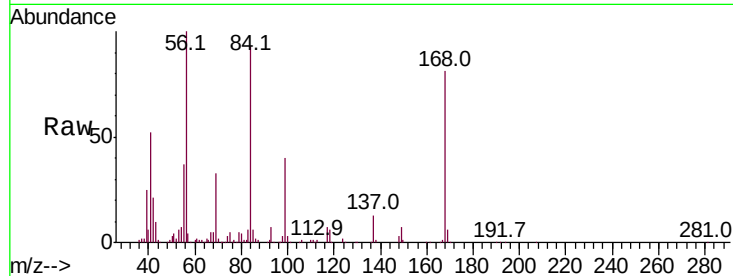
#31
Cyclohexane
Concen: 50.924 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 1111269
Ion Ratio Lower Upper
56 100
69 33.3 27.8 41.6
84 92.2 74.6 111.8

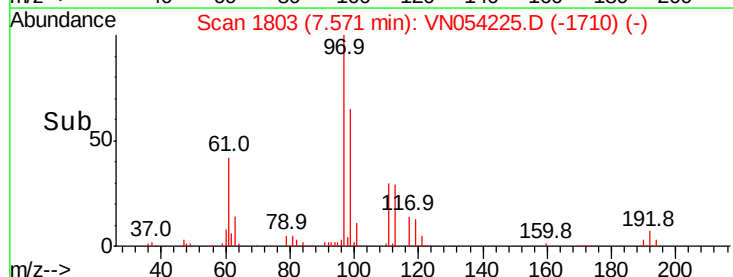
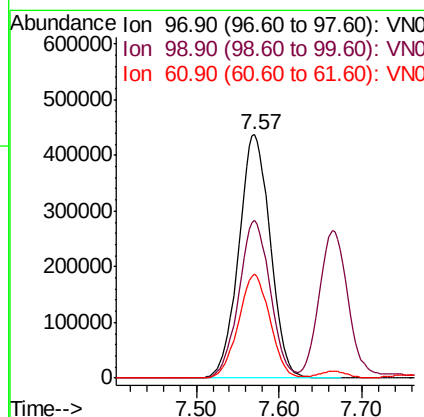
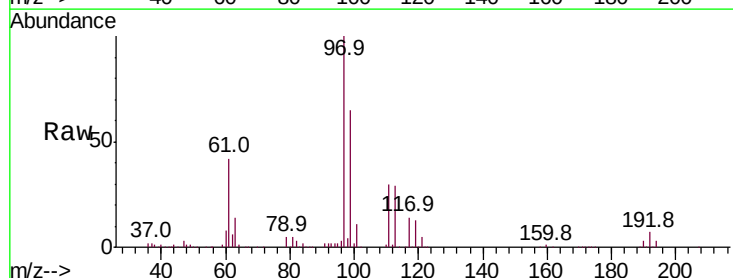
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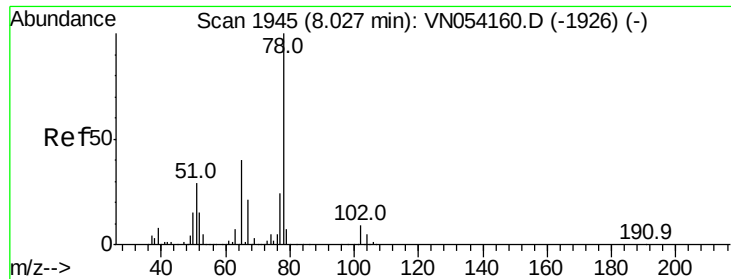
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#32
1,1,1-Trichloroethane
Concen: 52.405 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Tgt Ion: 97 Resp: 1153269
Ion Ratio Lower Upper
97 100
99 64.6 51.5 77.3
61 42.7 33.6 50.4





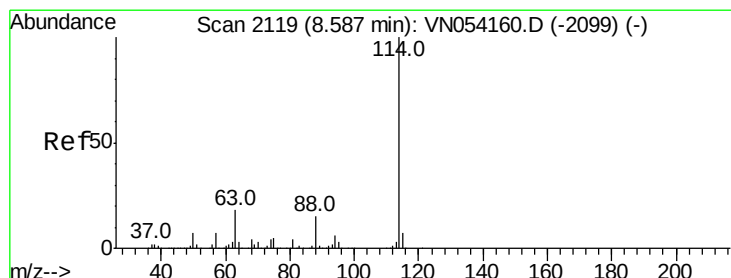
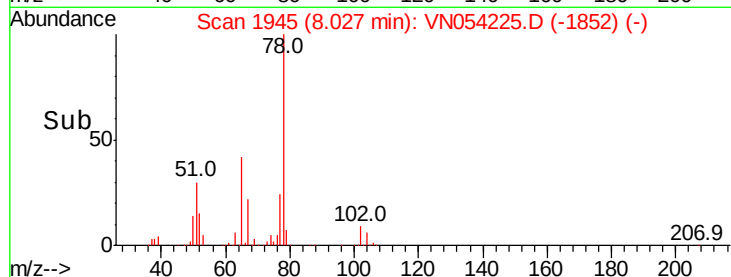
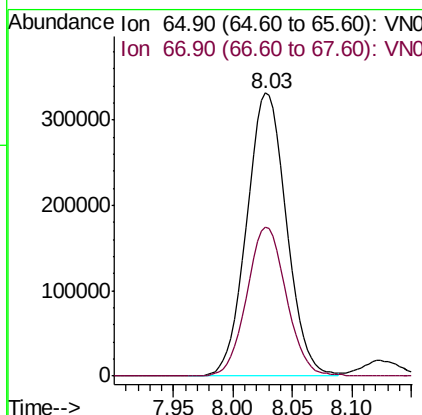
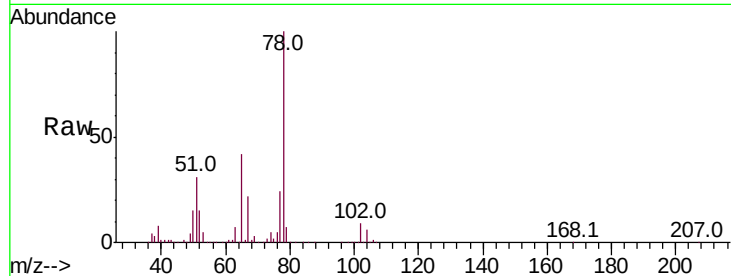
#33
 1,2-Dichloroethane-d4
 Concen: 52.914 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054225.D
 Acq: 13 Mar 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.6

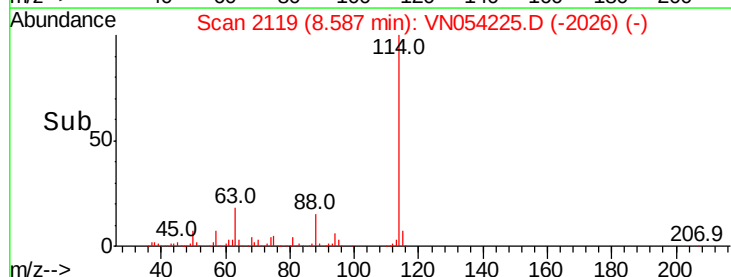
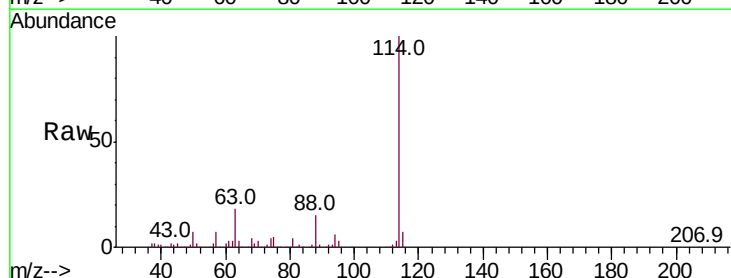
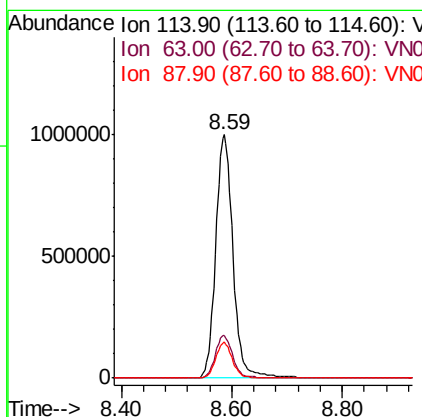
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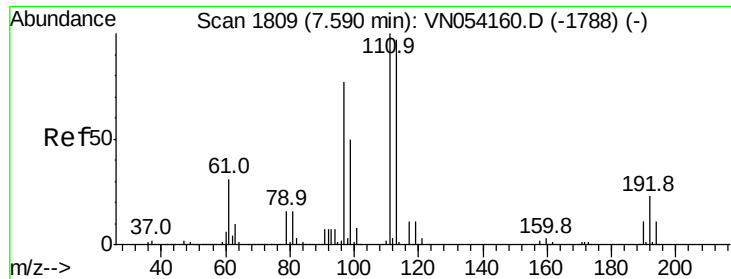
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054225.D
 Acq: 13 Mar 2019 20:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	35.2
88	14.8	0.0	30.2





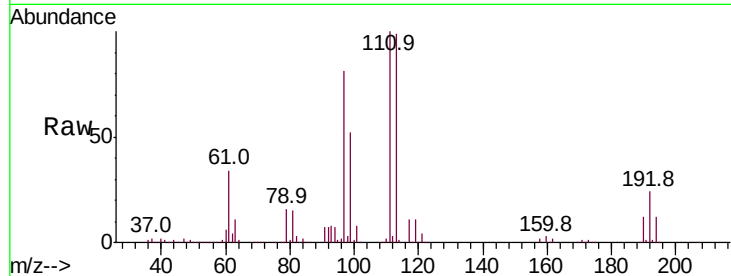
#35
Dibromofluoromethane
Concen: 51.122 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	711761		
111	101.1	82.2	123.4	
192	24.1	19.2	28.8	

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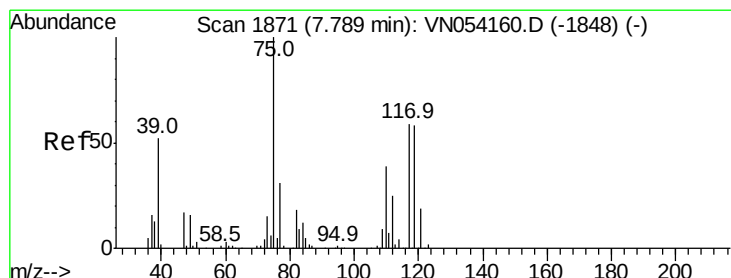
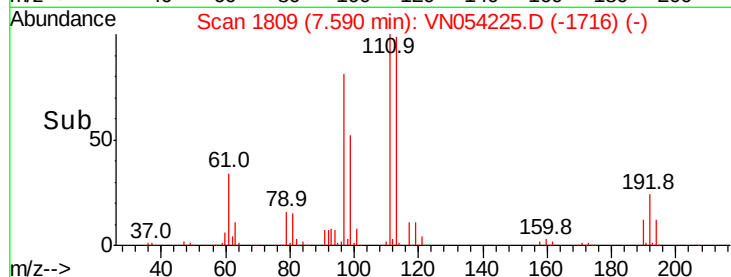
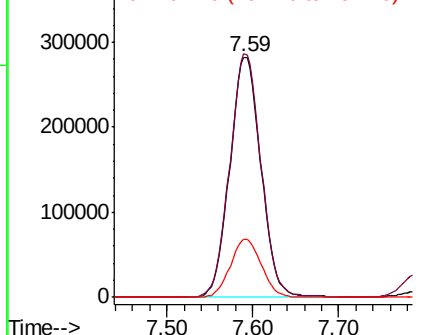


Abundance

Ion 112.80 (112.50 to 113.50): V

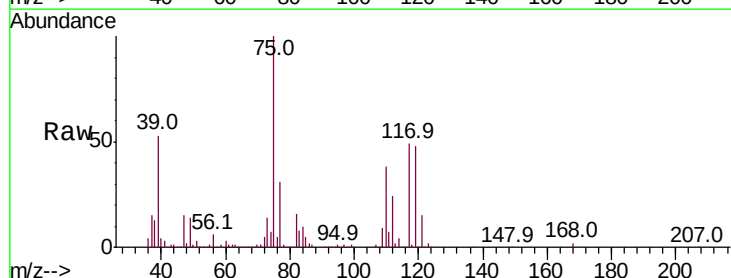
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 49.753 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	989082		
110	38.6	19.1	57.5	
77	30.7	25.0	37.4	

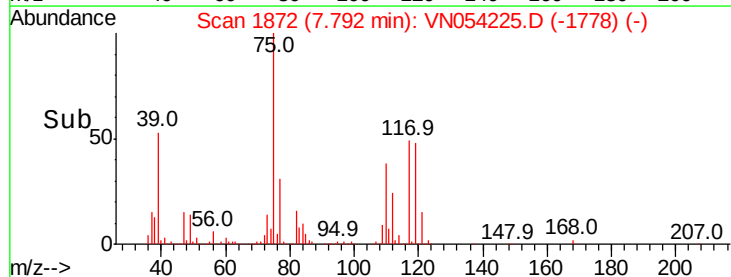
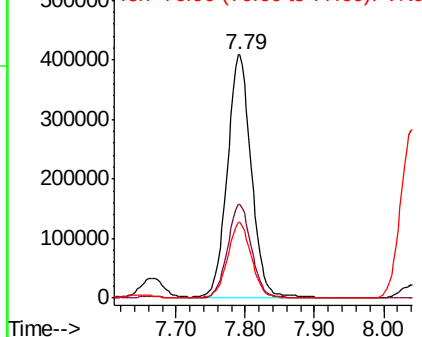


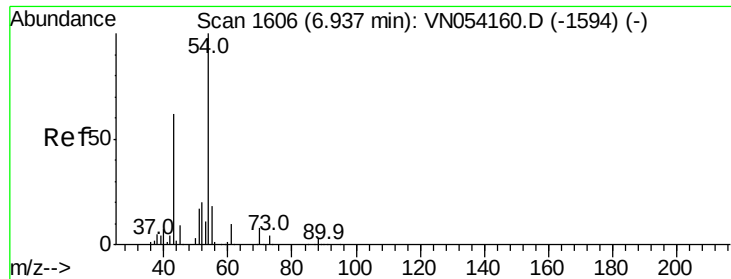
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





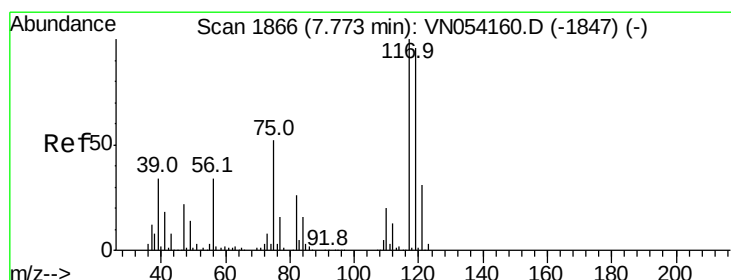
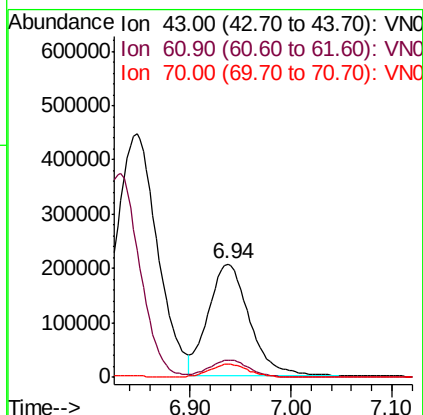
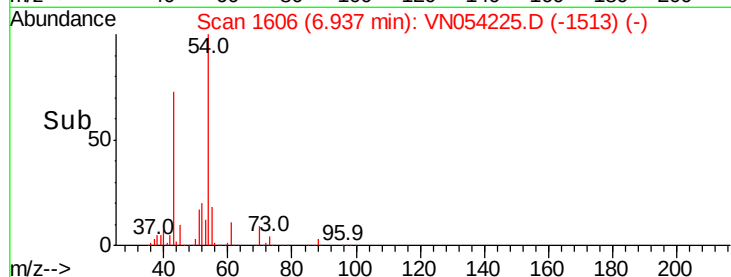
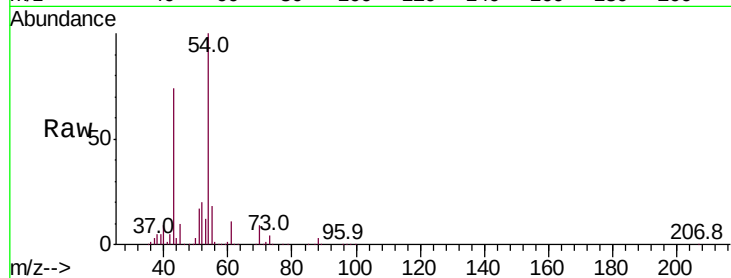
#37
Ethyl Acetate
Concen: 51.419 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.6
70	10.8	8.4	12.6

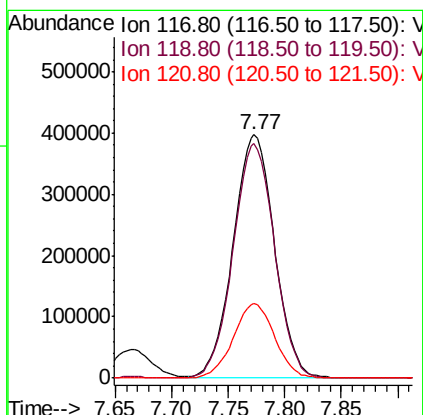
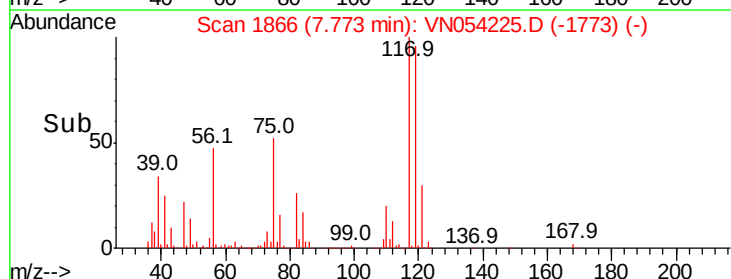
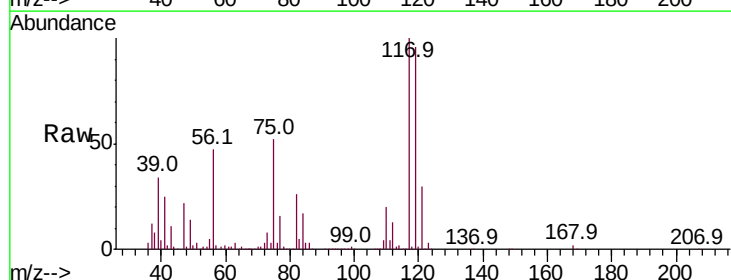
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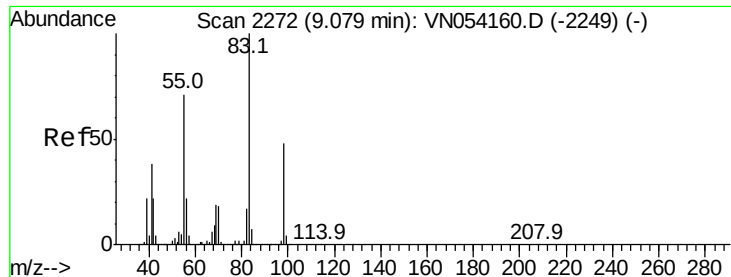
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#38
Carbon Tetrachloride
Concen: 48.263 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.3	114.5
121	30.4	24.6	36.8





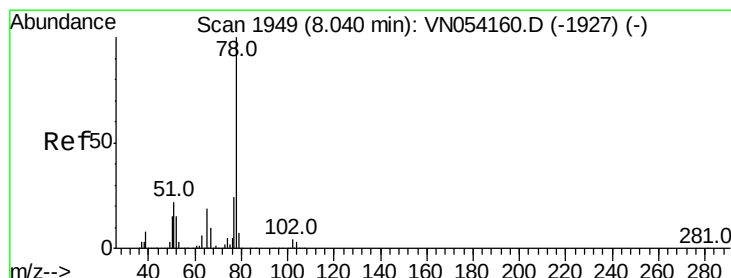
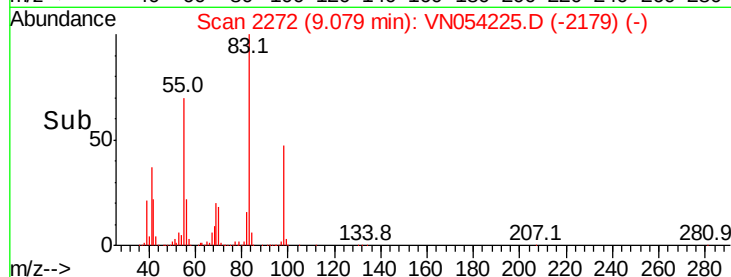
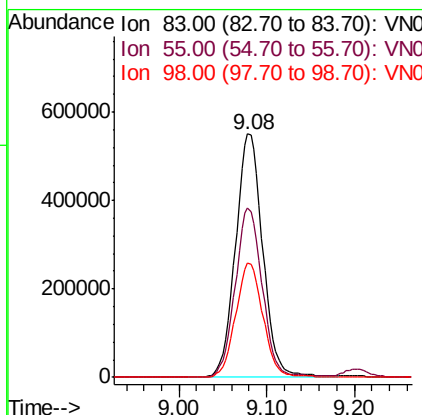
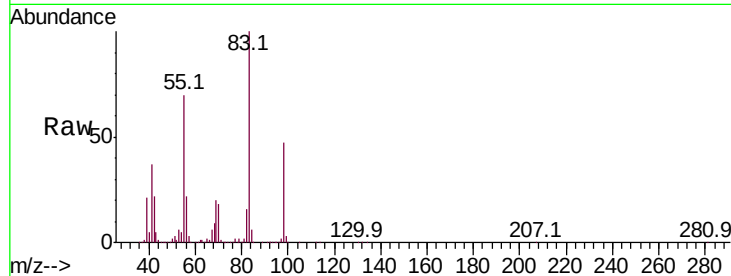
#39
Methylvlcyclohexane
Concen: 48.703 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	1191244
Ion	Ratio	Lower	Upper
83	100		
55	69.8	56.6	84.8
98	47.0	38.4	57.6

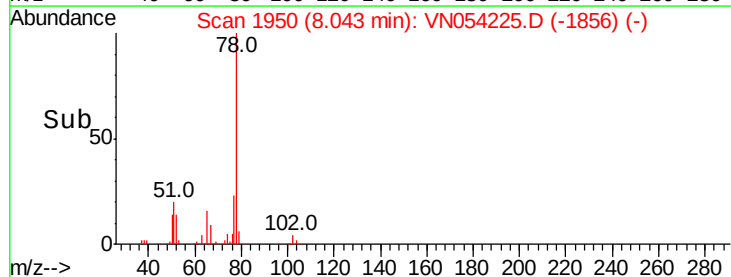
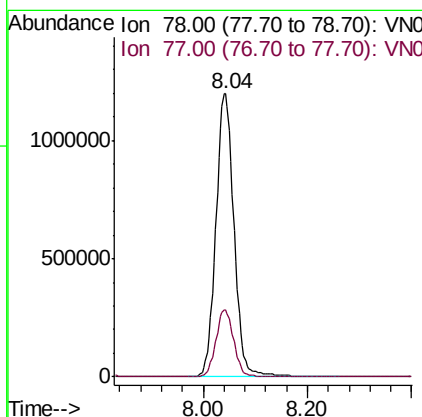
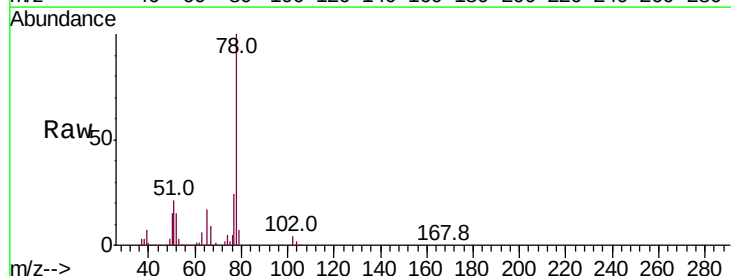
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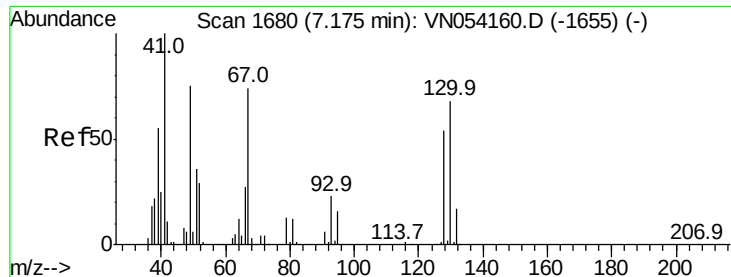
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#40
Benzene
Concen: 50.818 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Tgt Ion	78	Resp	2890915
Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





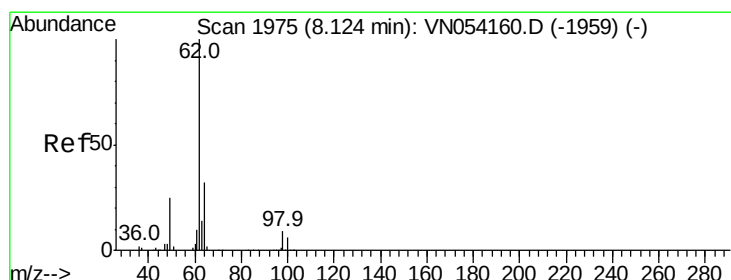
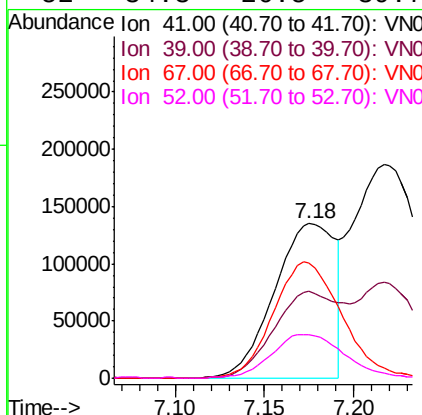
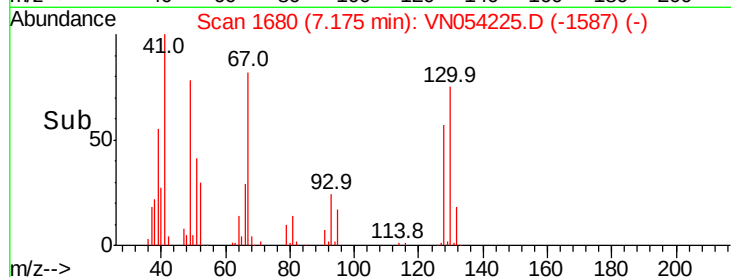
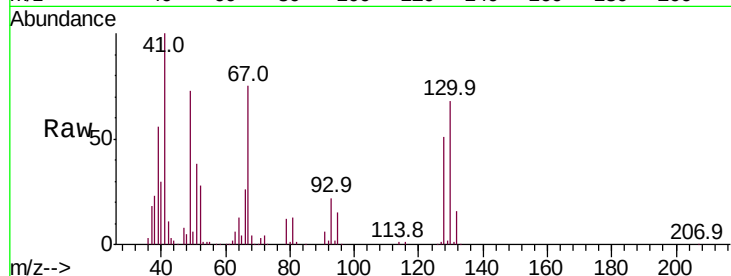
#41
Methacrylonitrile
Concen: 48.776 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.8	46.8	70.2
67	85.9	67.0	100.4
52	34.3	26.5	39.7

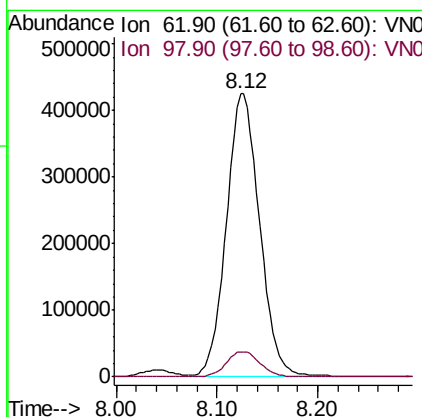
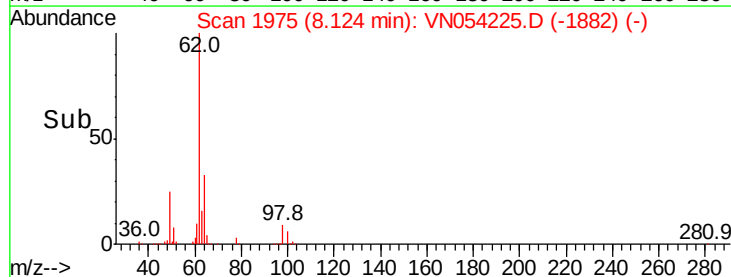
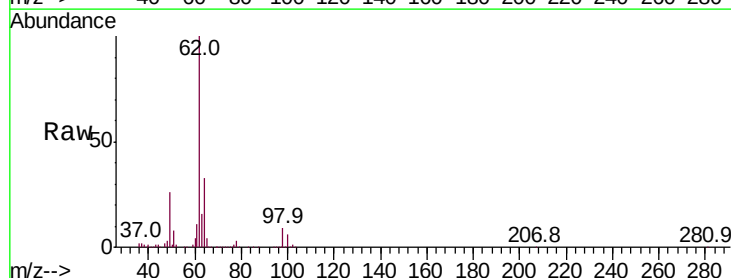
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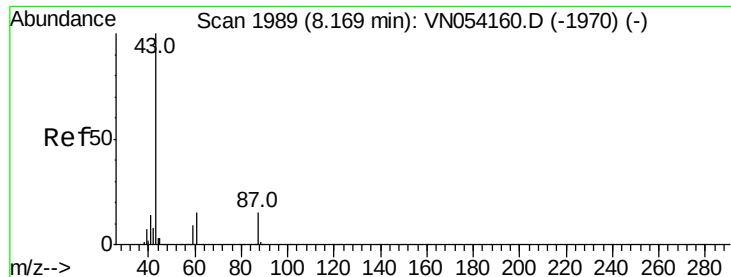
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#42
1,2-Dichloroethane
Concen: 50.433 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4





#43

Isopropyl Acetate

Concen: 50.845 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1019447

Ion Ratio Lower Upper

43 100

61 20.3 15.8 23.8

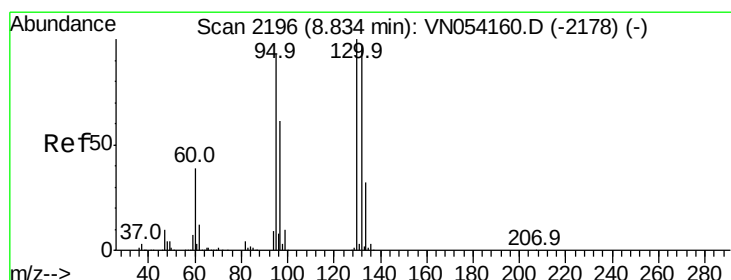
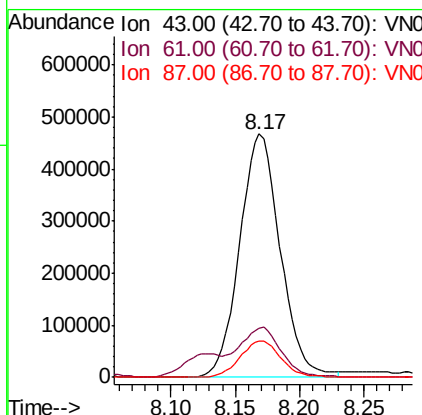
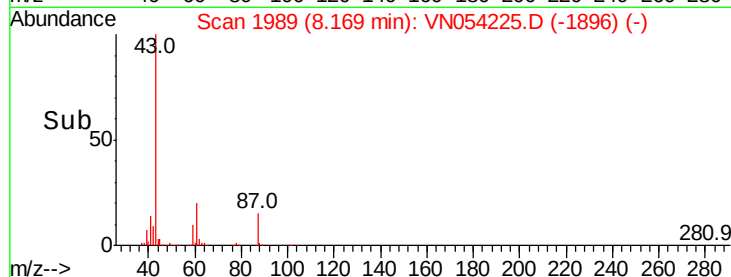
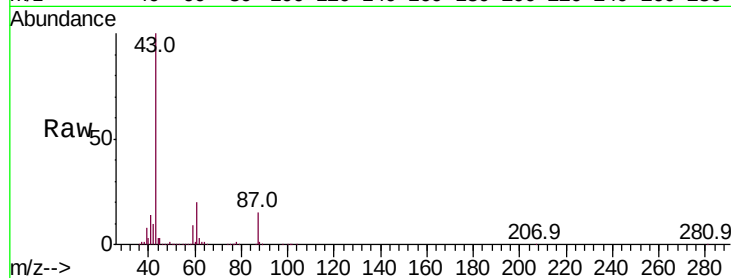
87 15.1 12.0 18.0

Manual Integrations

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#44

Trichloroethene

Concen: 50.246 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054225.D

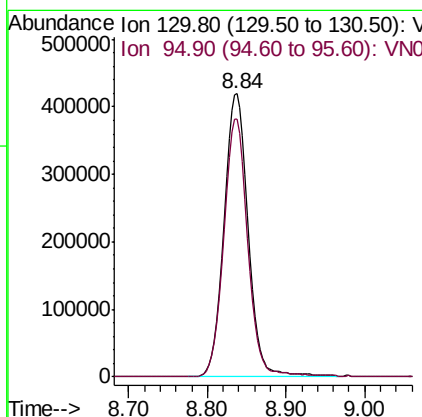
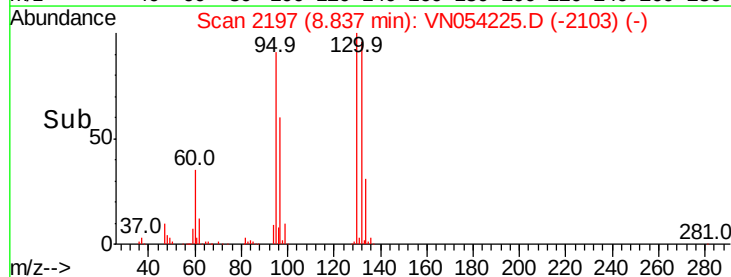
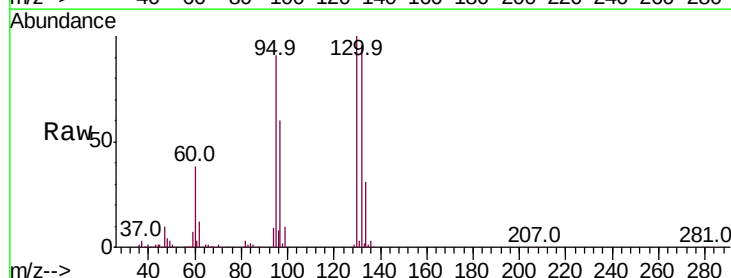
Acq: 13 Mar 2019 20:56

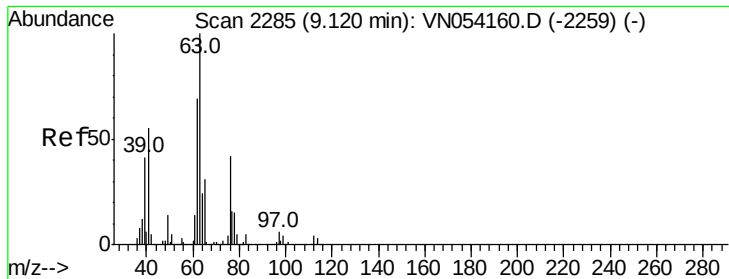
Tgt Ion:130 Resp: 887947

Ion Ratio Lower Upper

130 100

95 91.0 0.0 185.2





#45

1,2-Dichloropropane

Concen: 51.589 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 728737

Ion Ratio Lower Upper

63 100

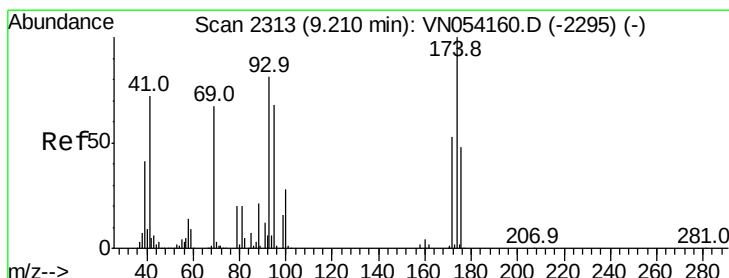
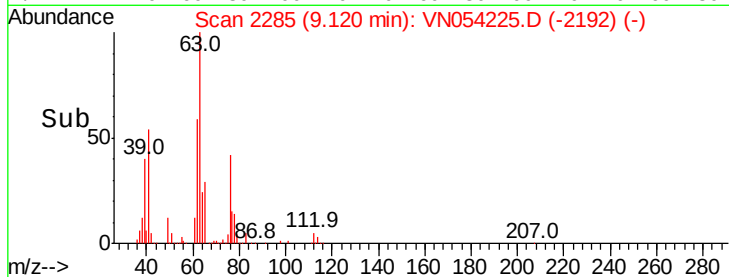
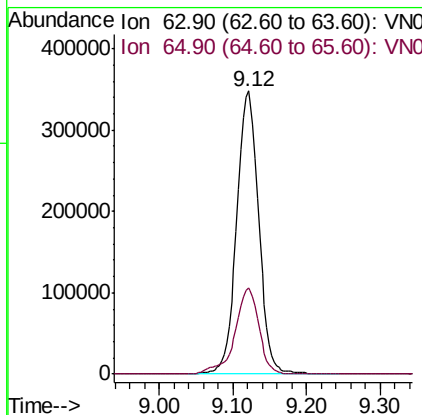
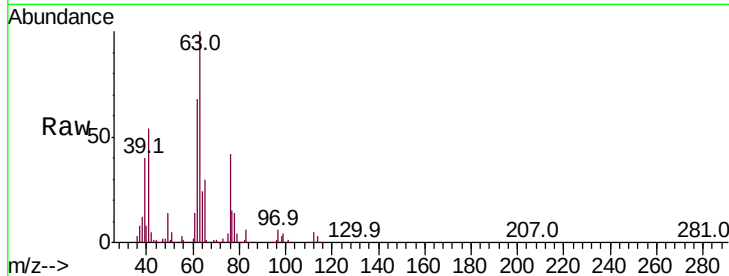
65 30.2 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 50.679 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

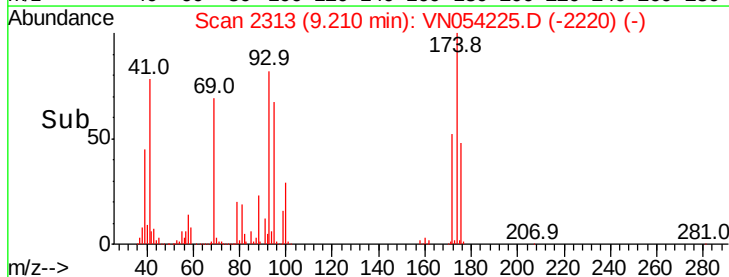
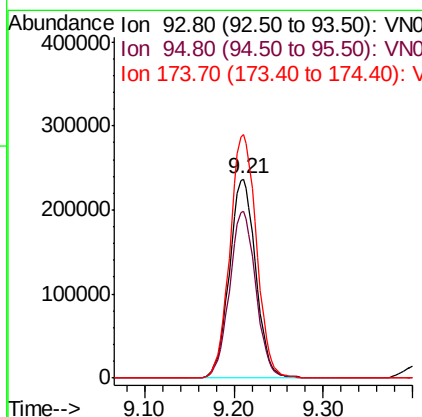
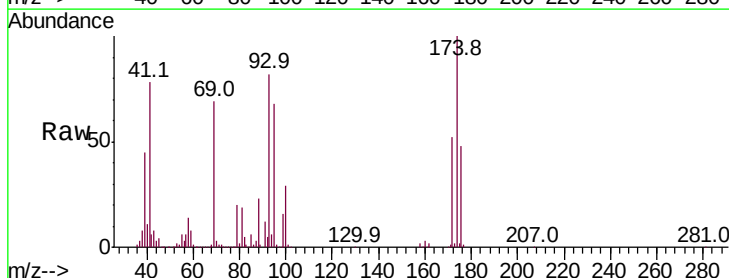
Tgt Ion: 93 Resp: 483695

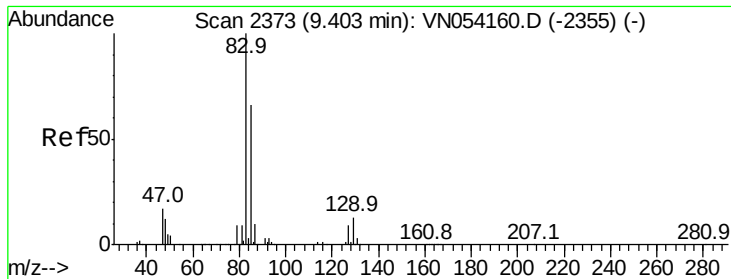
Ion Ratio Lower Upper

93 100

95 83.6 66.7 100.1

174 123.3 98.5 147.7





#47

Bromodichloromethane

Concen: 51.201 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

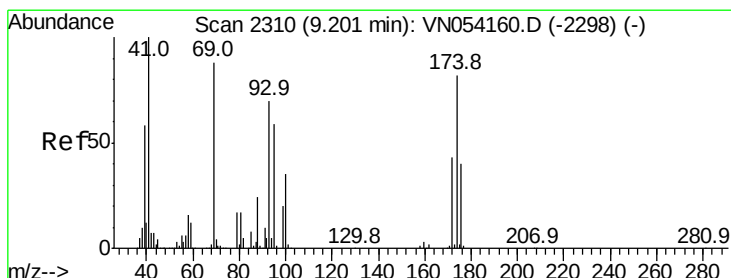
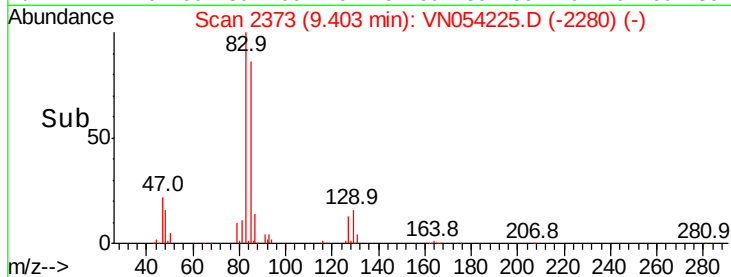
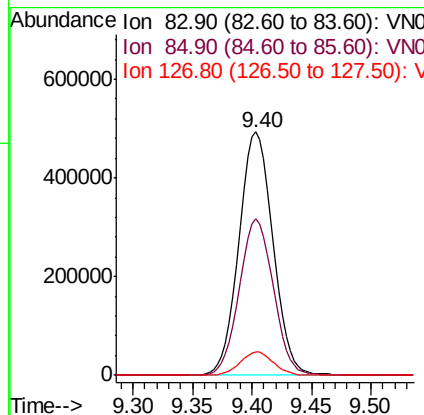
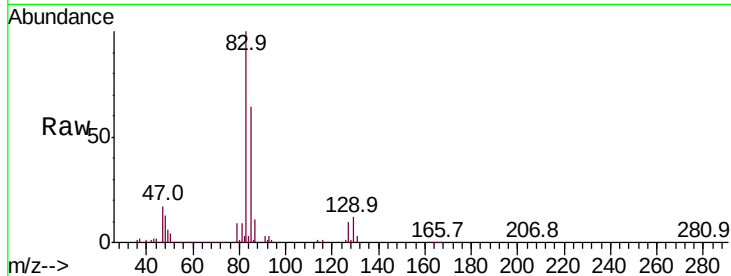
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	979655
Ion Ratio	Lower	Upper	
83	100		
85	64.5	52.8	79.2
127	9.6	7.4	11.2

Manual Integrations
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3/14/2019 10:27:56 AM



#48

Methyl methacrylate

Concen: 53.239 ug/l

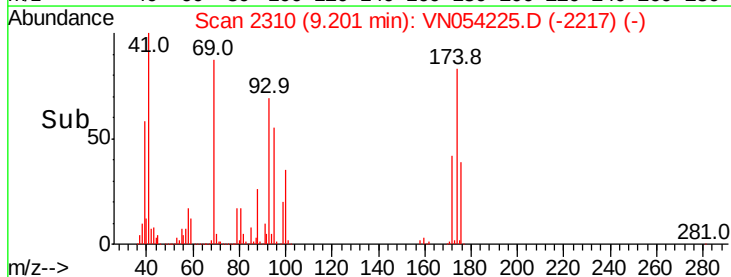
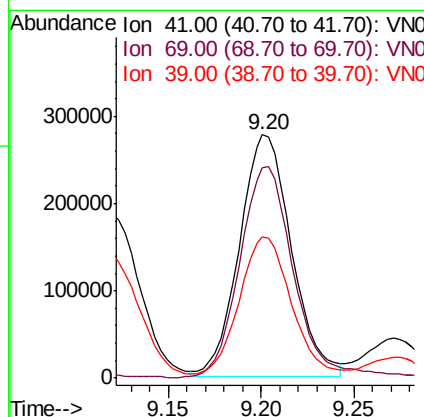
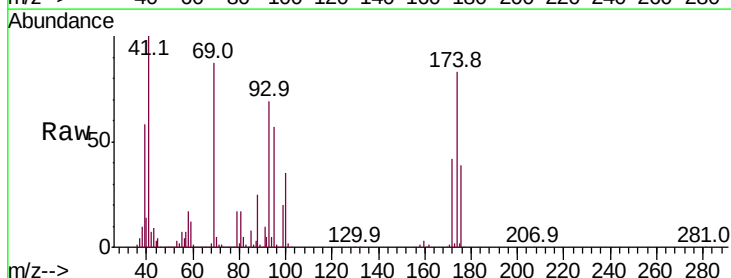
RT: 9.20 min Scan# 2310

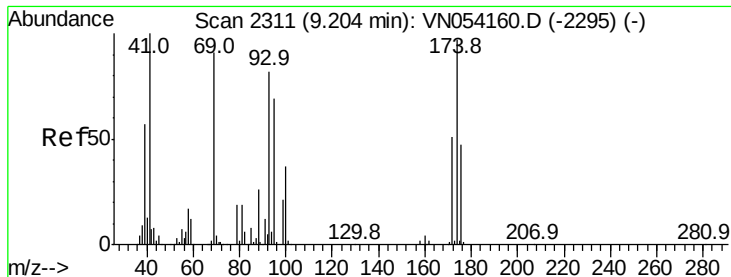
Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Tgt Ion:	41	Resp:	541708
Ion Ratio	Lower	Upper	
41	100		
69	90.6	72.6	108.8
39	59.7	47.5	71.3





#49

1,4-Dioxane

Concen: 1067.522 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

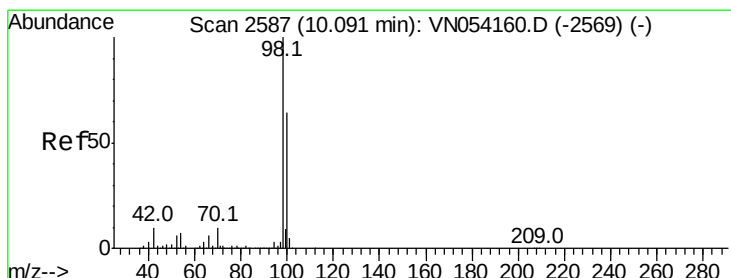
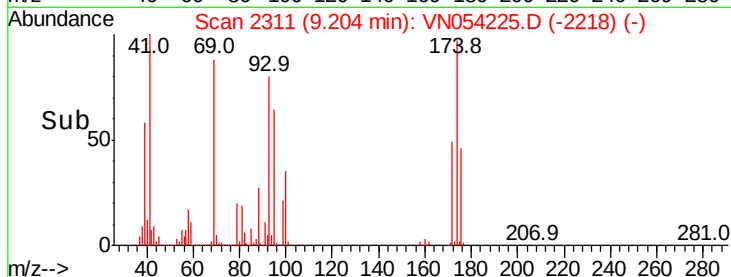
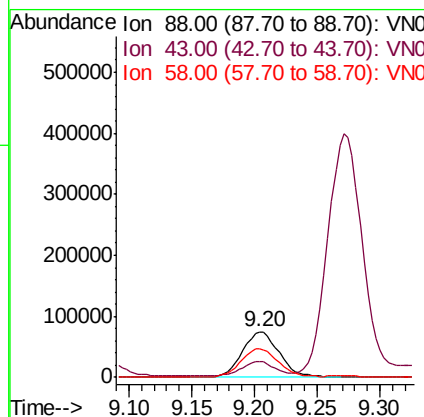
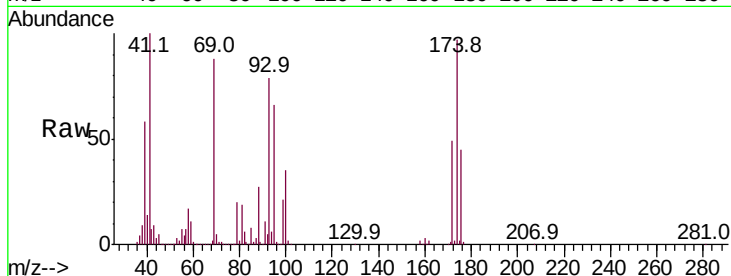
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	153642
Ion	Ratio	Lower	Upper
88	100		
43	28.8	24.1	36.1
58	63.3	50.8	76.2

Manual Integrations
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#50

Toluene-d8

Concen: 50.247 ug/l

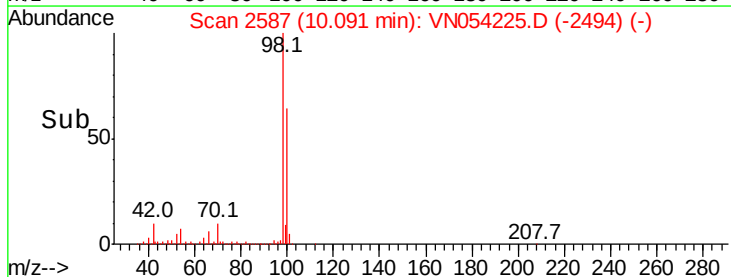
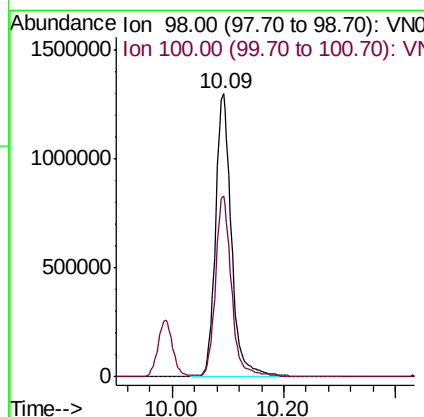
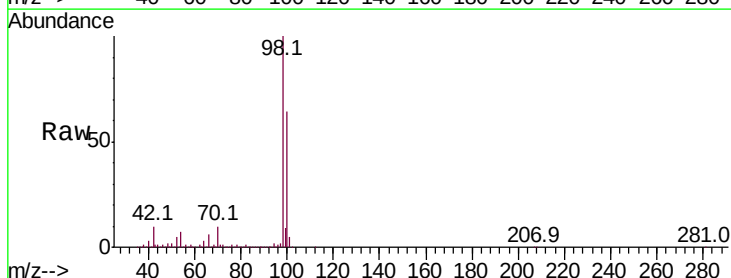
RT: 10.09 min Scan# 2587

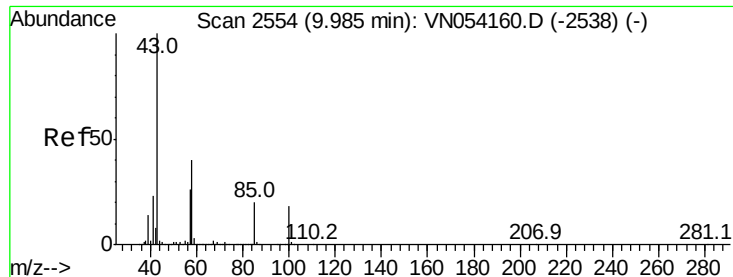
Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Tgt Ion:	98	Resp:	2583630
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 270.356 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2868620

Ion Ratio Lower Upper

43 100

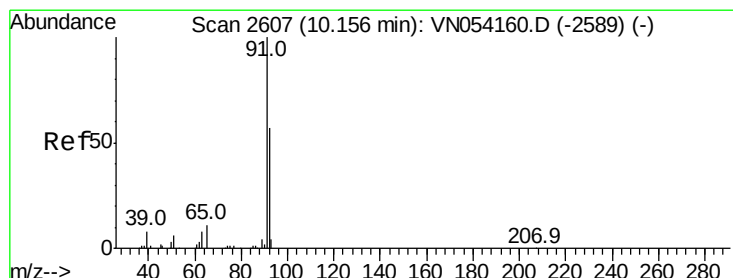
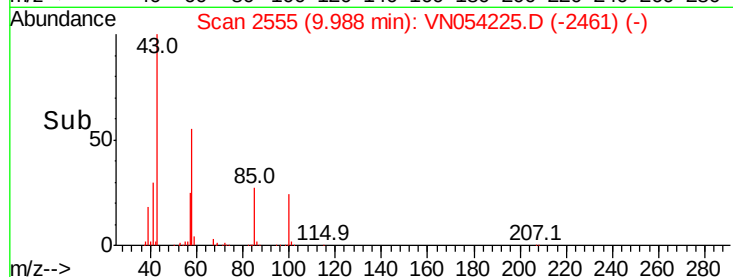
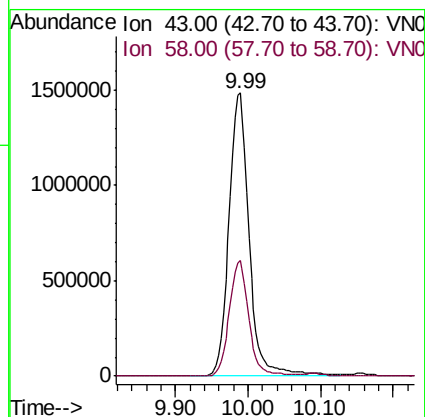
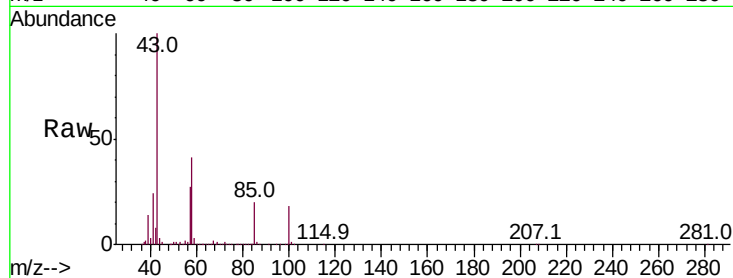
58 39.7 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 50.833 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054225.D

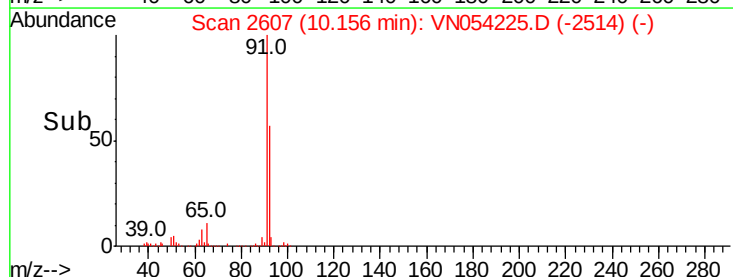
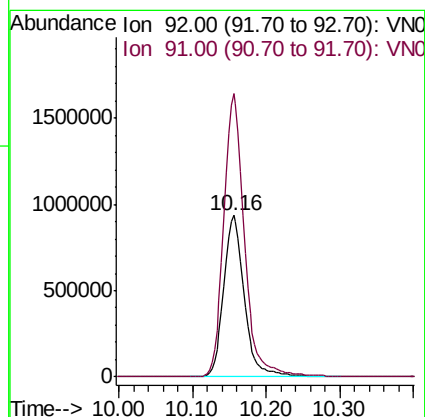
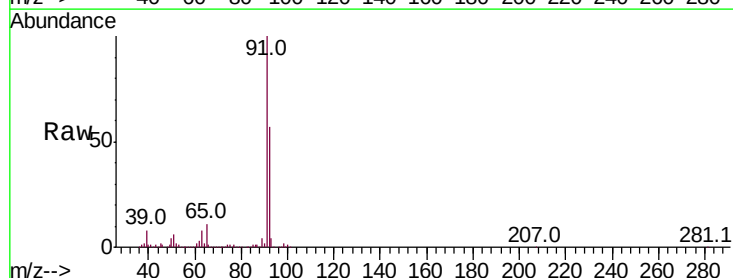
Acq: 13 Mar 2019 20:56

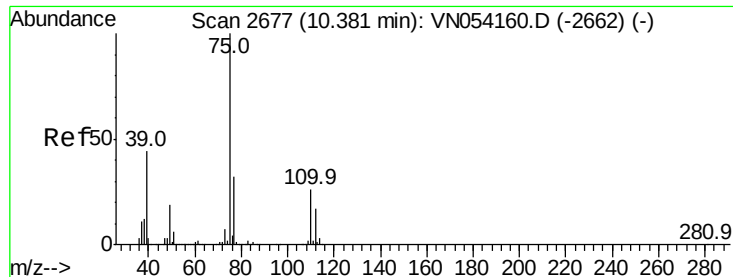
Tgt Ion: 92 Resp: 1833571

Ion Ratio Lower Upper

92 100

91 176.2 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 45.044 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

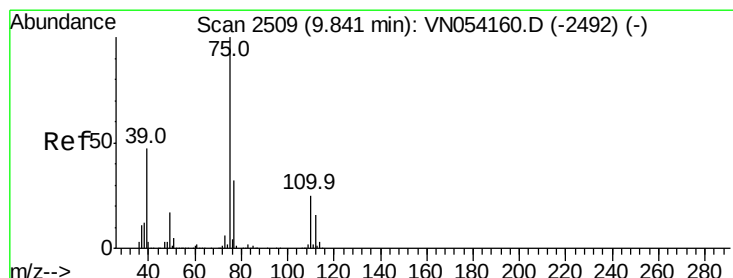
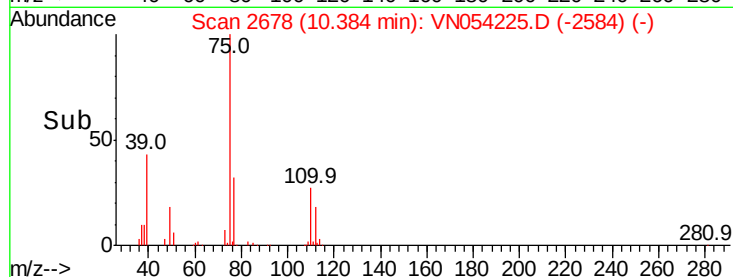
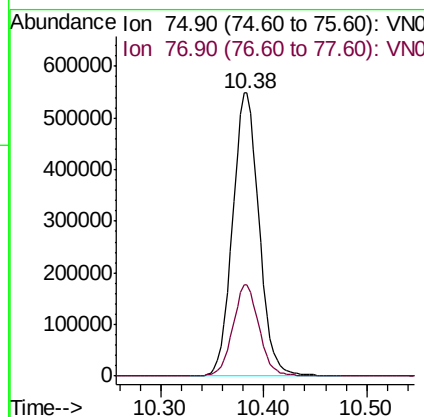
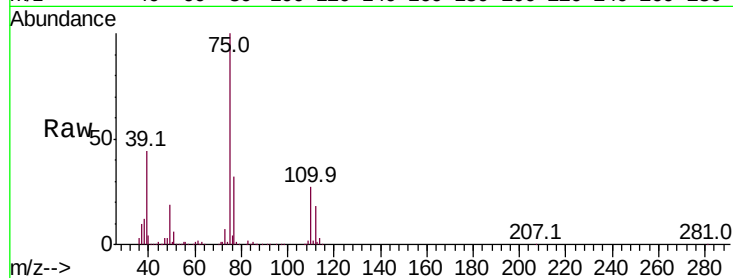
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 981273

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 50.195 ug/l

RT: 9.84 min Scan# 2509

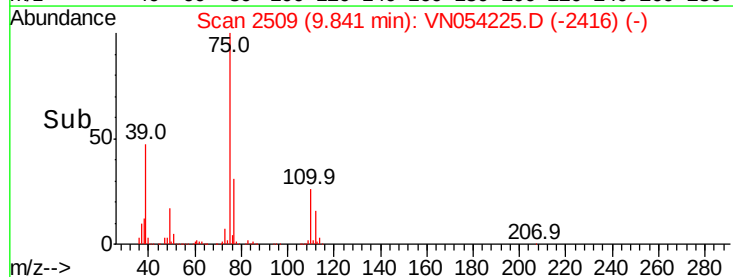
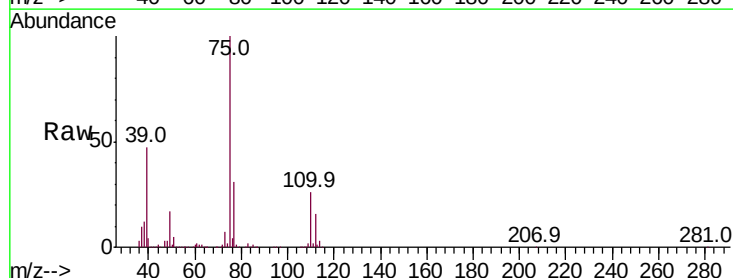
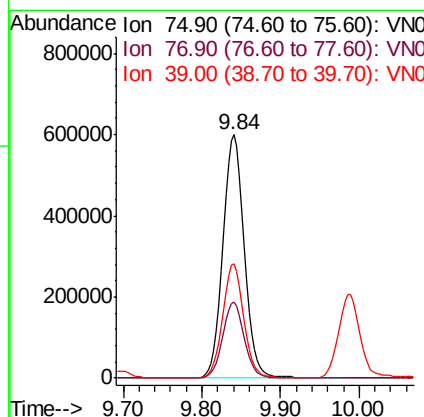
Delta R.T. -0.00 min

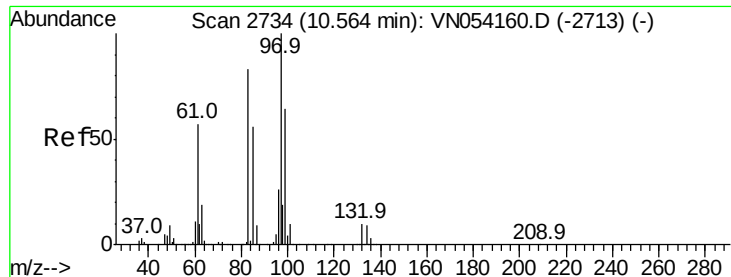
Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Tgt Ion: 75 Resp: 1119178

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0
39	46.6	37.2	55.8





#55

1,1,2-Trichloroethane

Concen: 51.451 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

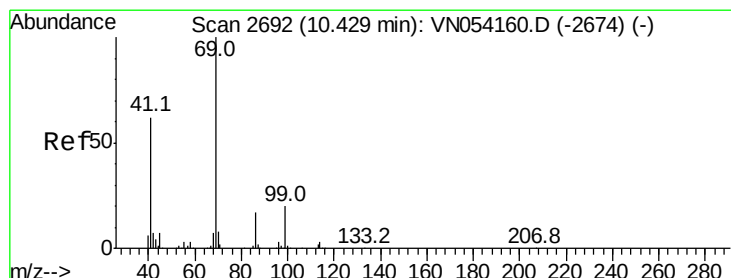
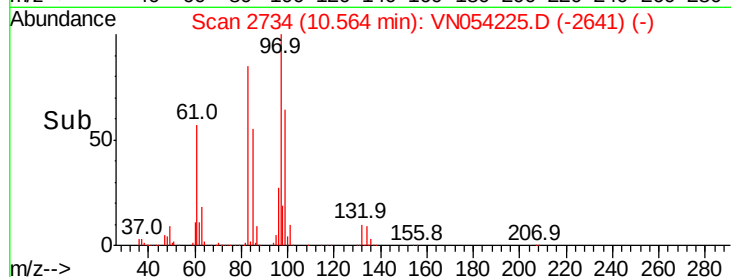
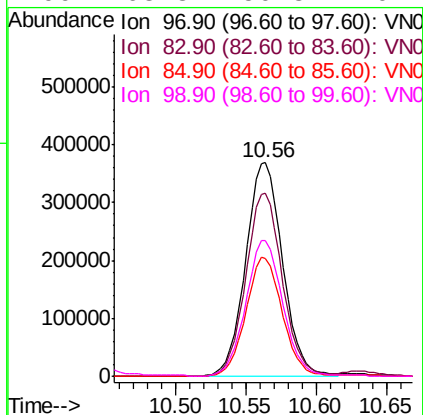
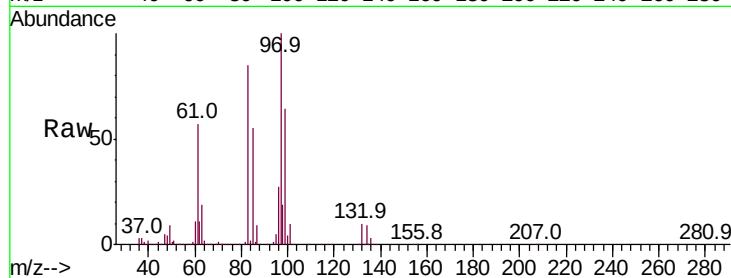
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	677647
Ion	Ratio	Lower	Upper
97	100		
83	85.4	66.6	100.0
85	55.4	44.4	66.6
99	63.3	50.8	76.2

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#56

Ethyl methacrylate

Concen: 53.978 ug/l

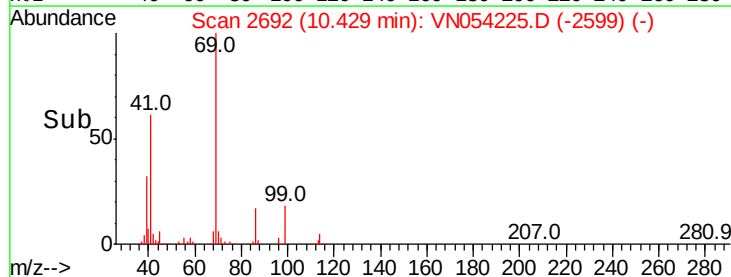
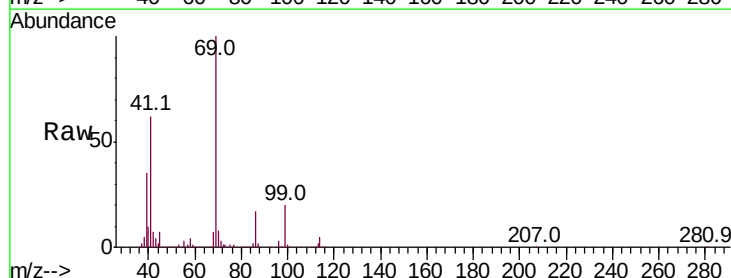
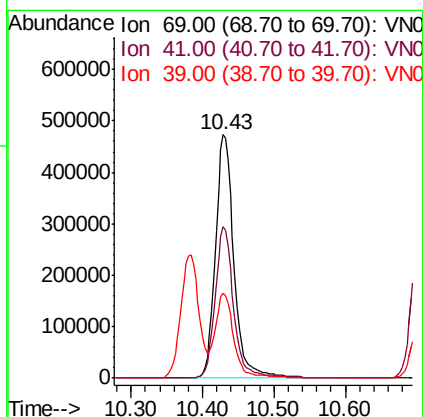
RT: 10.43 min Scan# 2692

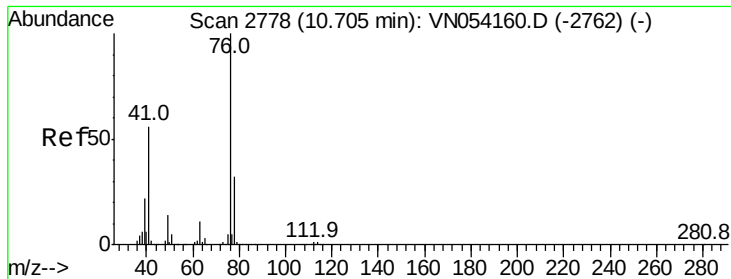
Delta R.T. -0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Tgt Ion:	69	Resp:	847693
Ion	Ratio	Lower	Upper
69	100		
41	60.9	49.4	74.2
39	35.0	28.3	42.5





#57

1,3-Dichloropropane

Concen: 51.587 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 76 Resp: 1110978

Ion Ratio Lower Upper

76 100

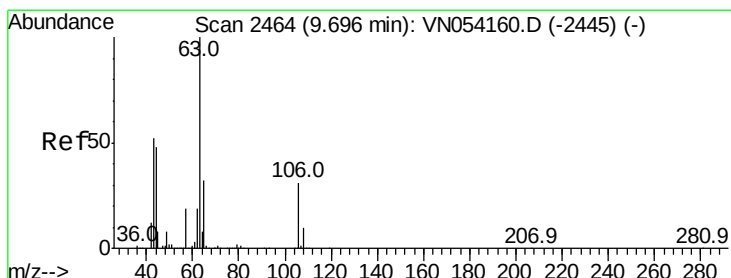
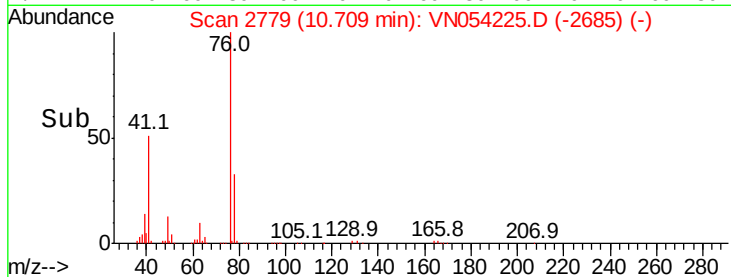
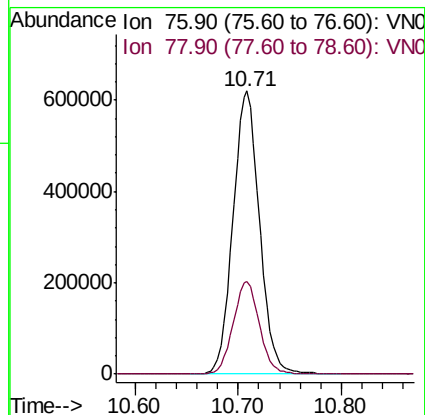
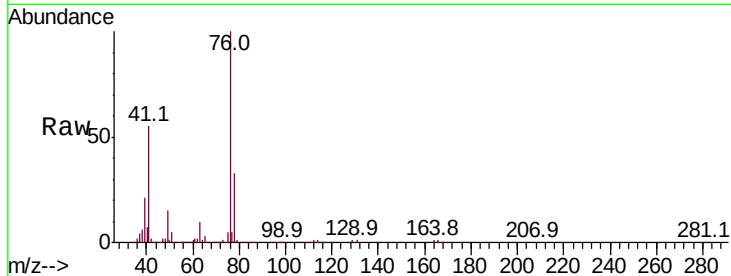
78 32.6 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 238.128 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054225.D

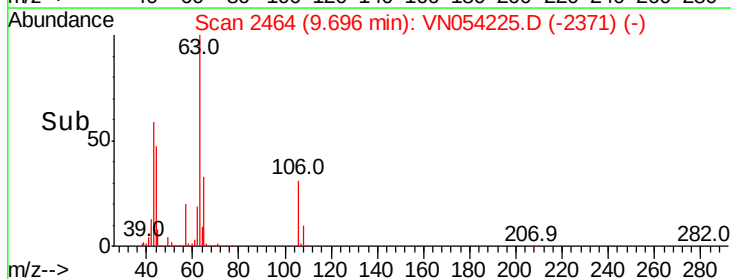
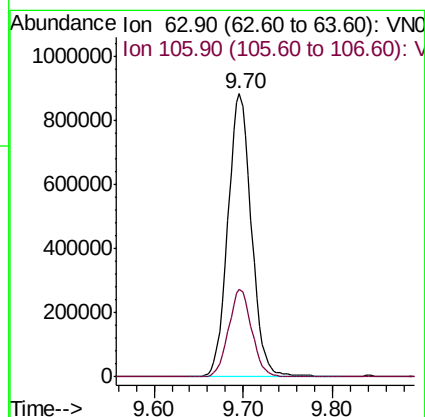
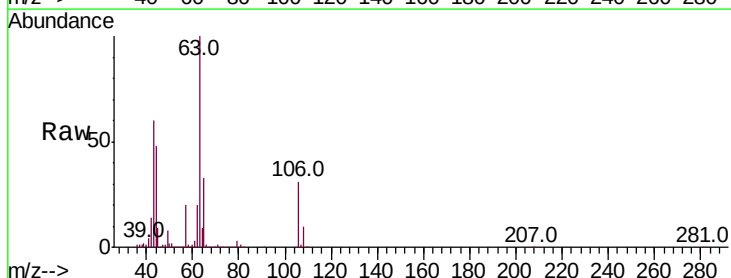
Acq: 13 Mar 2019 20:56

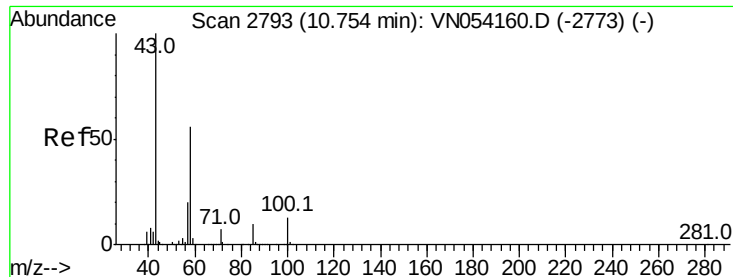
Tgt Ion: 63 Resp: 1616591

Ion Ratio Lower Upper

63 100

106 30.4 24.4 36.6





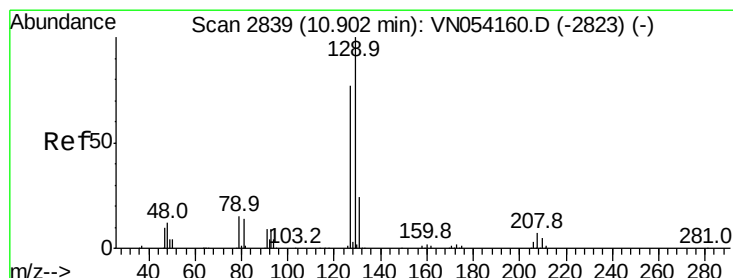
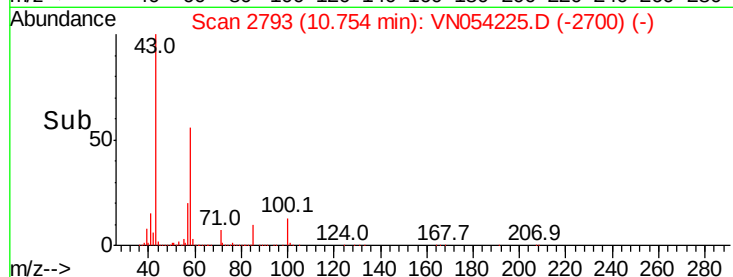
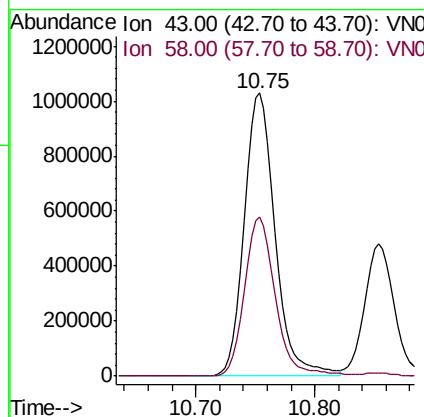
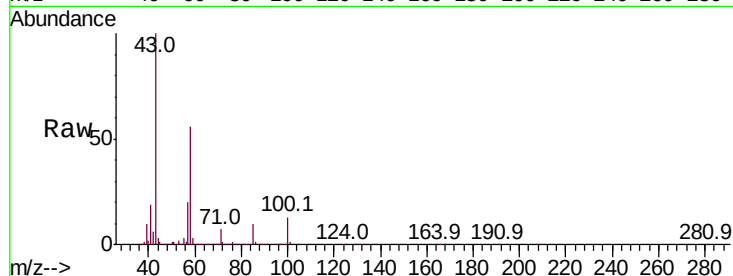
#59
2-Hexanone
Concen: 261.304 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1844862
Ion Ratio Lower Upper
43 100
58 56.2 28.0 83.9

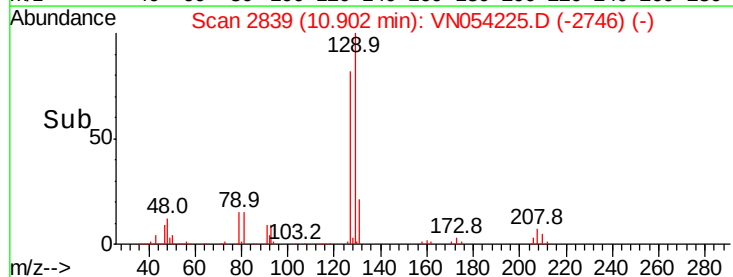
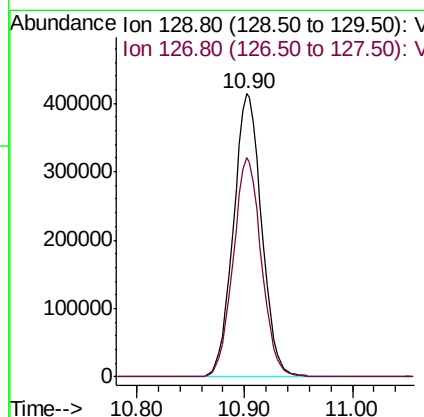
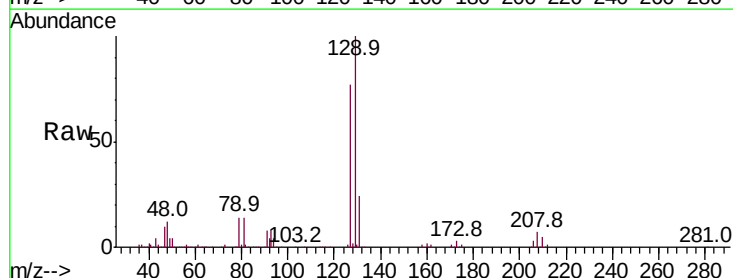
Manual Integrations
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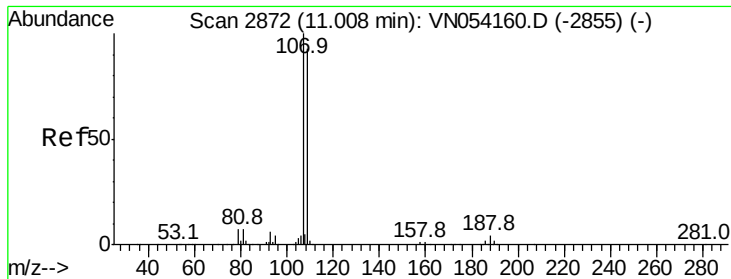
MMDadoda
3/14/2019 10:27:56 AM



#60
Dibromochloromethane
Concen: 50.978 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Tgt Ion: 129 Resp: 755719
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





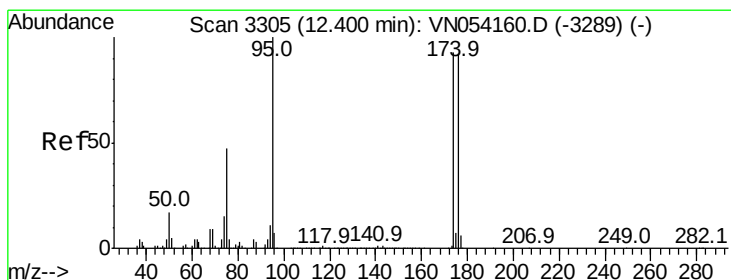
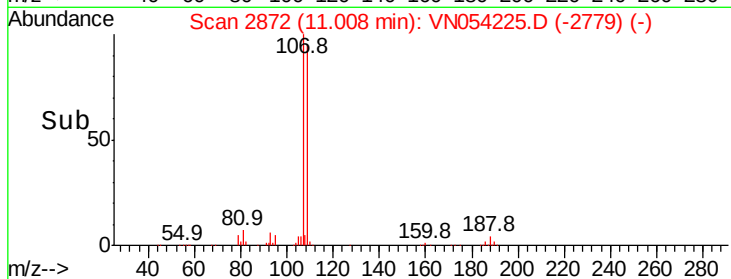
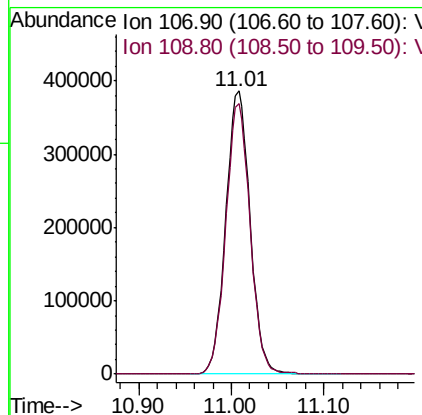
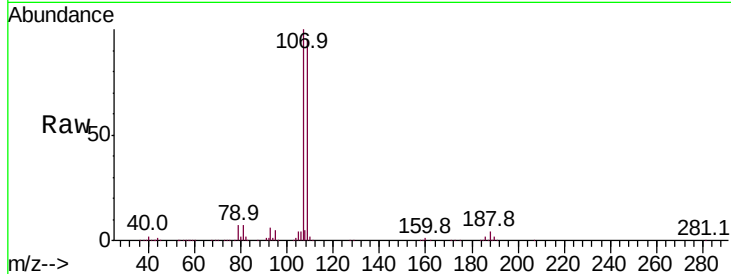
#61
 1,2-Dibromoethane
 Concen: 52.545 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054225.D
 Acq: 13 Mar 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.9	113.9

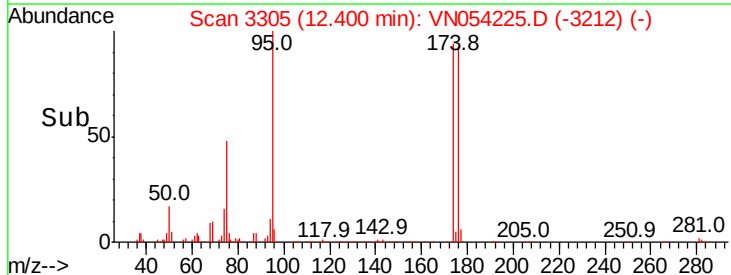
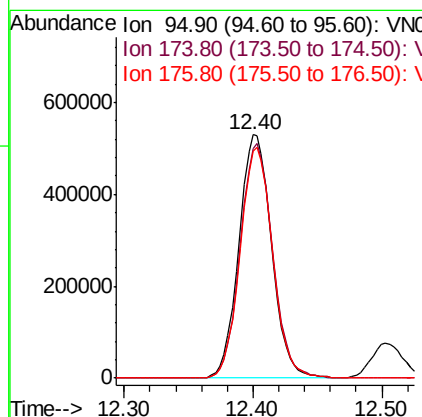
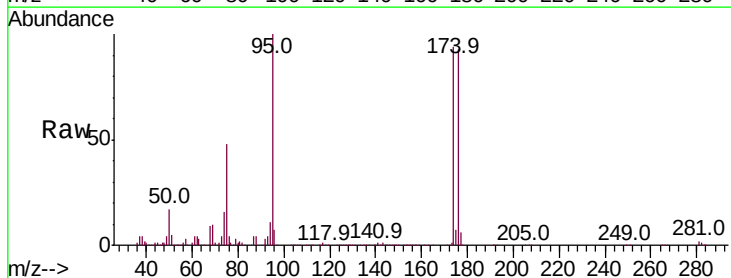
Manual Integrations
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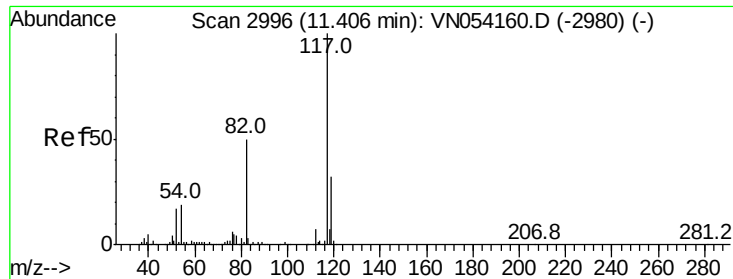
MMDadoda
 3/14/2019 10:27:56 AM



#62
 4-Bromofluorobenzene
 Concen: 51.914 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054225.D
 Acq: 13 Mar 2019 20:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.0	0.0	191.0
176	94.1	0.0	187.4





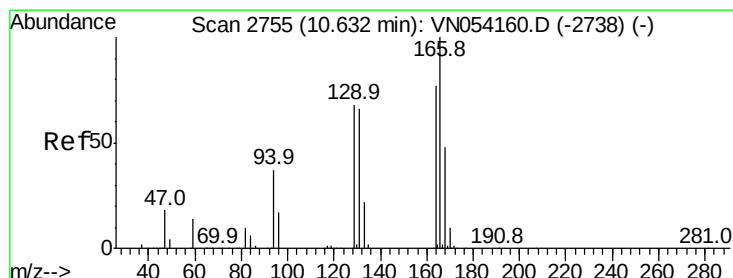
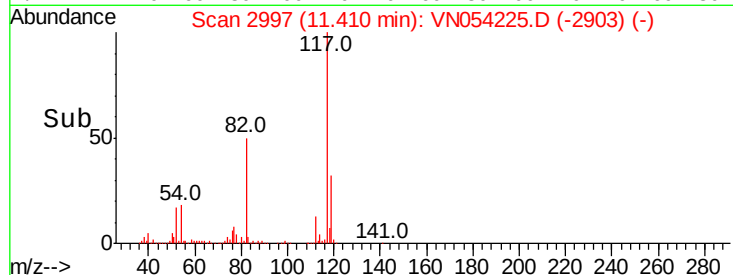
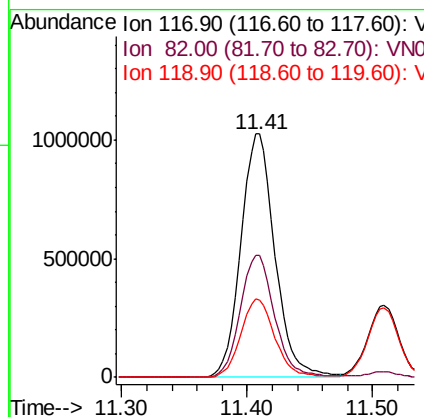
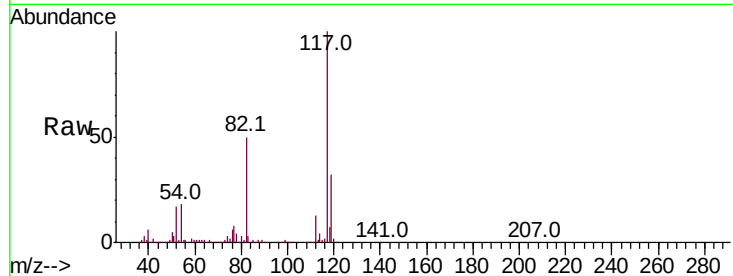
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	40.0	60.0
119	32.0	25.8	38.6

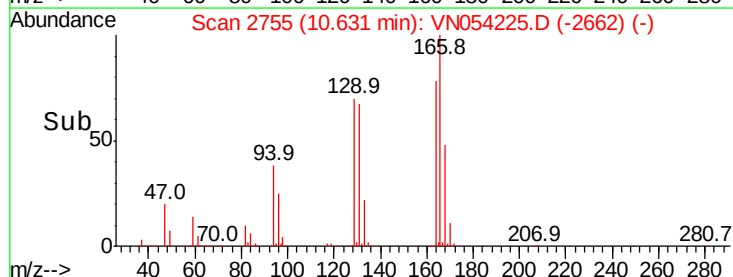
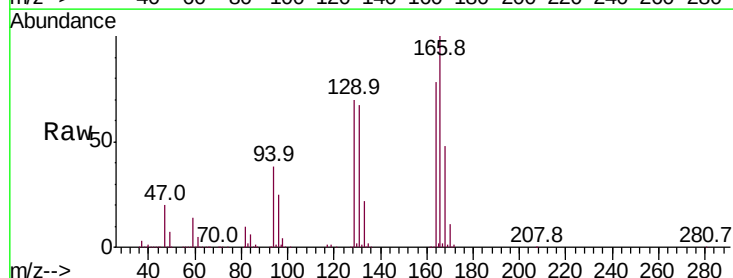
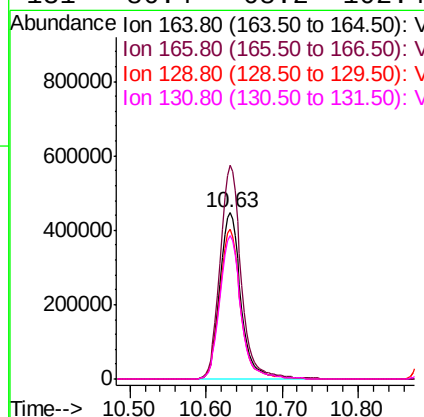
Manual Integrations
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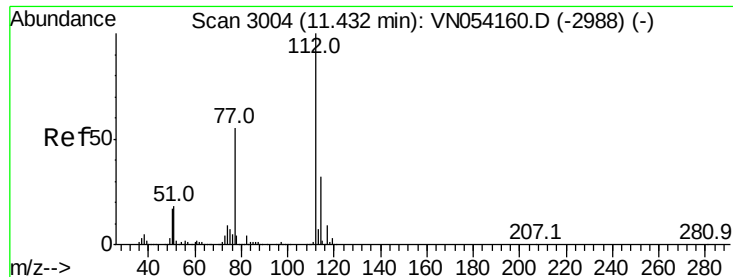
MMDadoda
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#64
Tetrachloroethene
Concen: 46.151 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	103.9	155.9
129	90.0	71.1	106.7
131	86.4	68.2	102.4





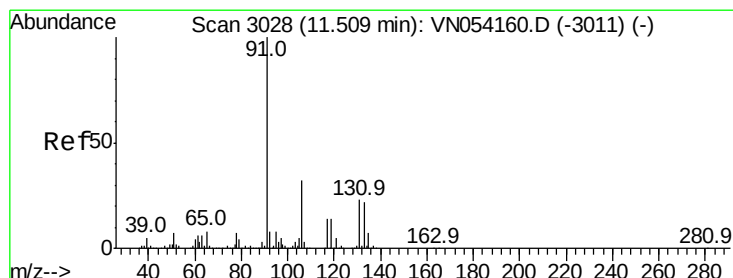
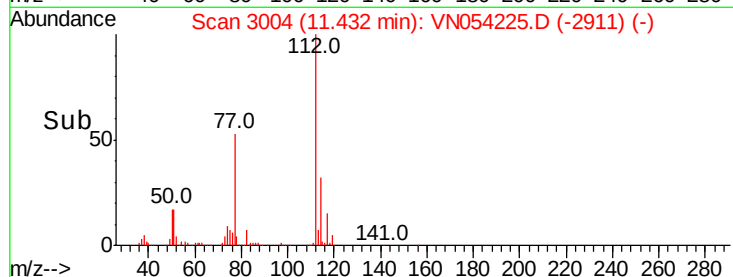
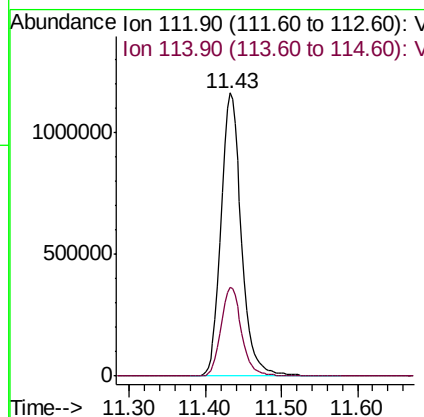
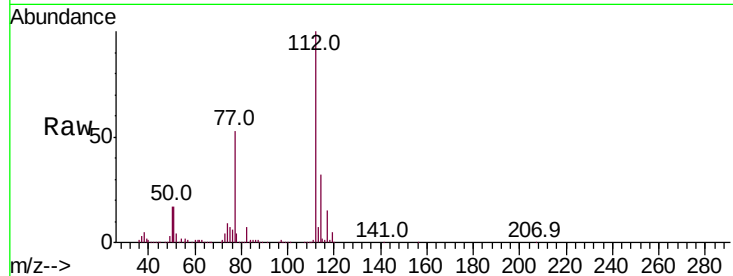
#65
Chlorobenzene
Concen: 50.648 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 2153335
Ion Ratio Lower Upper
112 100
114 31.5 25.9 38.9

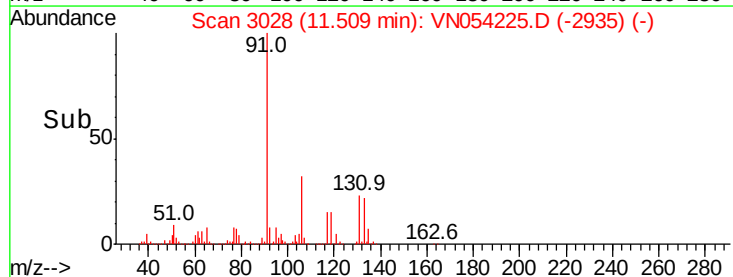
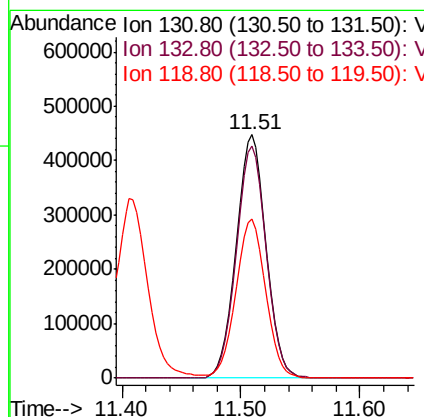
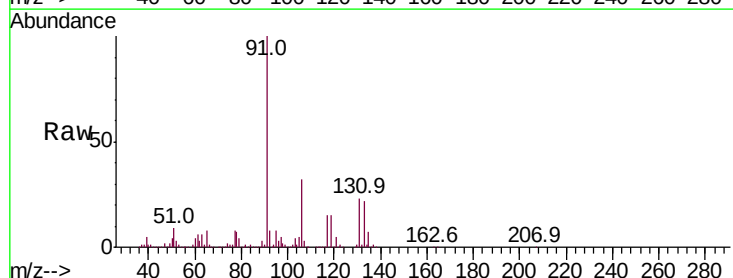
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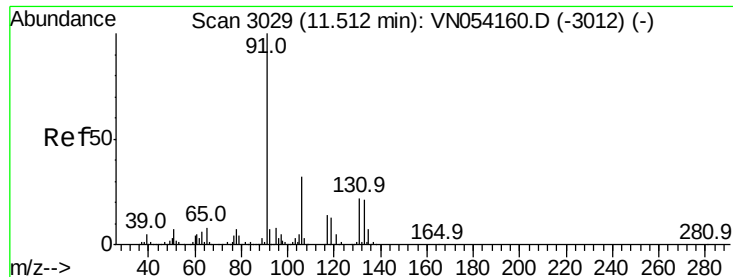
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.164 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Tgt Ion:131 Resp: 774766
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.9
119 65.8 32.4 97.0





#67

Ethyl Benzene

Concen: 50.021 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 3525292

Ion Ratio Lower Upper

91 100

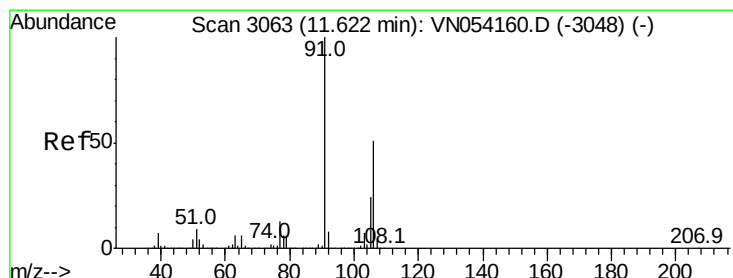
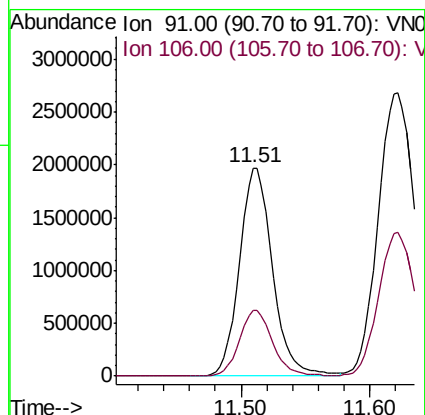
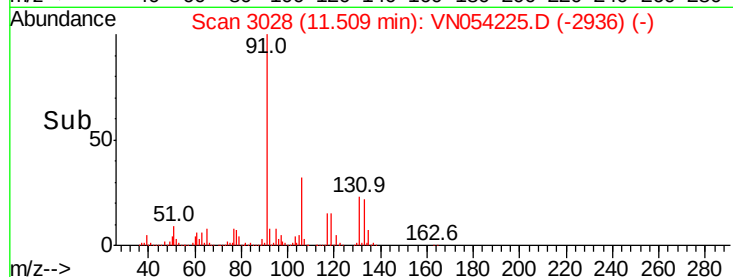
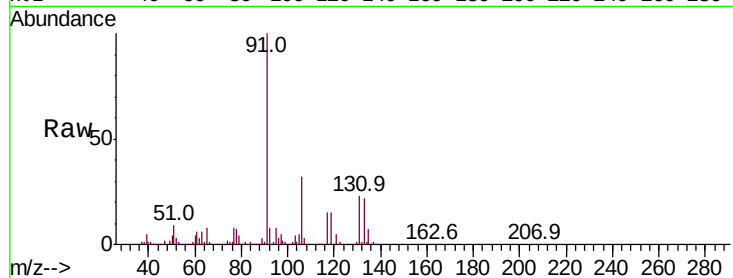
106 31.9 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 100.881 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054225.D

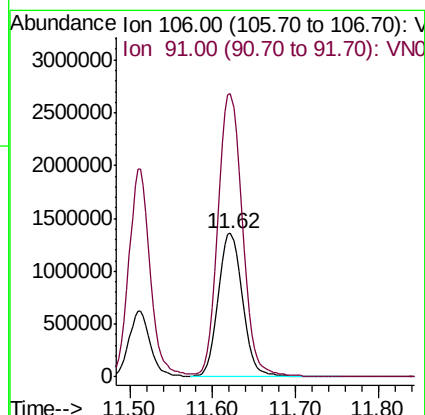
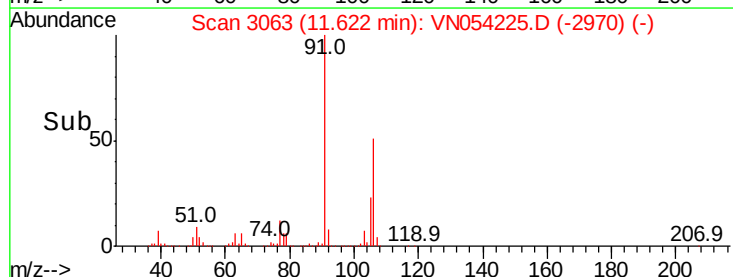
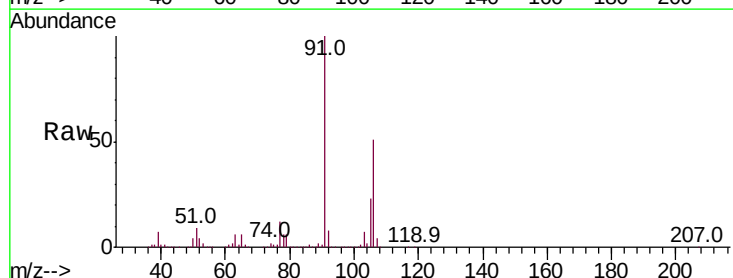
Acq: 13 Mar 2019 20:56

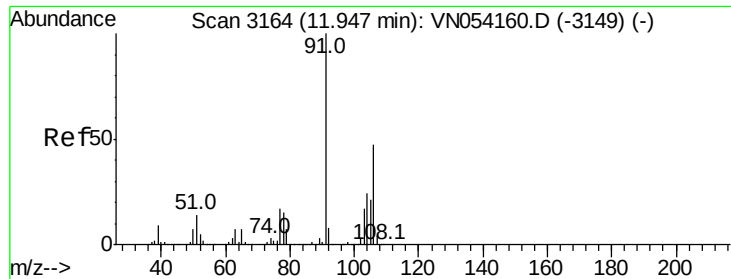
Tgt Ion: 106 Resp: 2778809

Ion Ratio Lower Upper

106 100

91 198.2 159.4 239.2





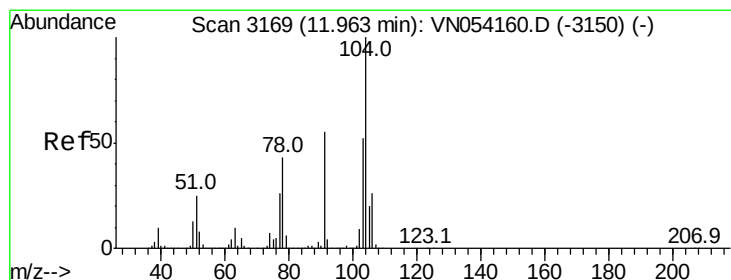
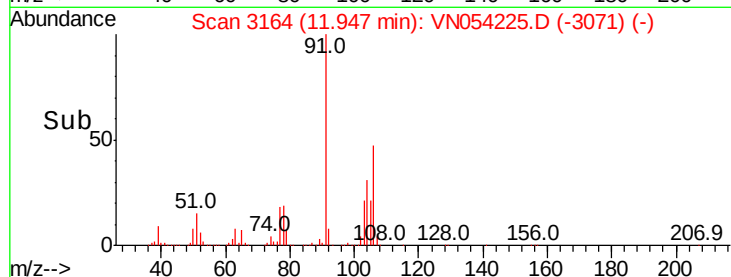
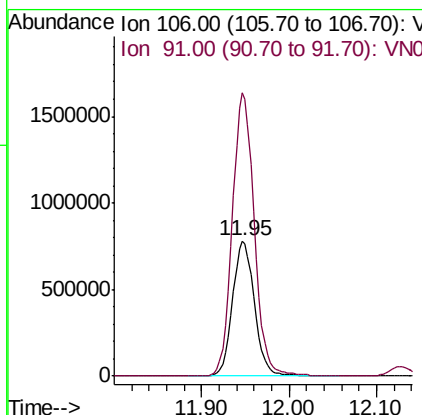
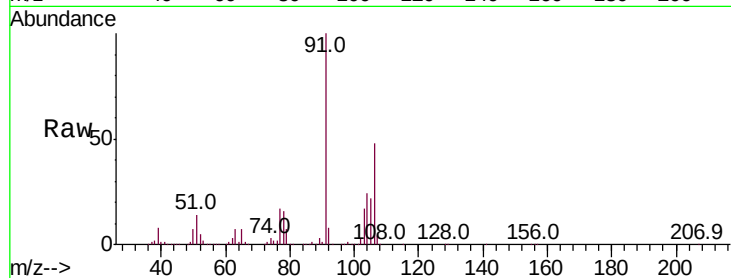
#69
o-Xylene
Concen: 50.632 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 1359572
Ion Ratio Lower Upper
106 100
91 208.6 105.7 317.1

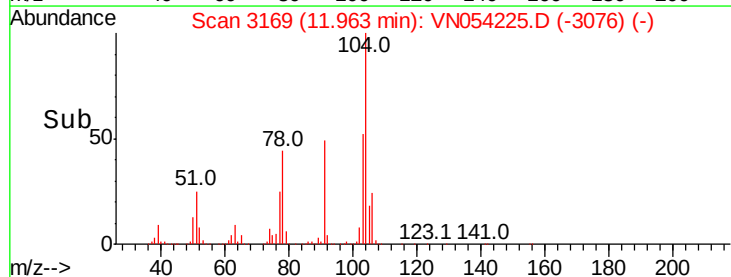
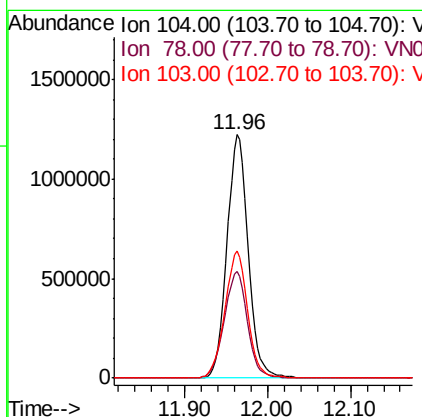
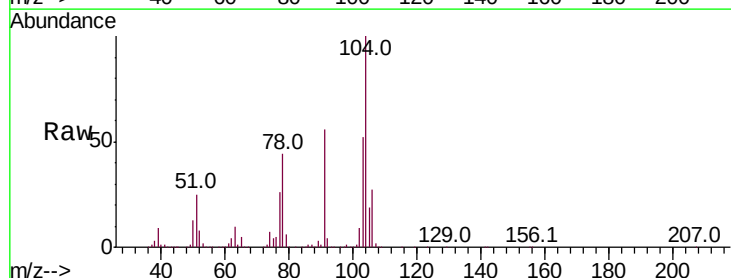
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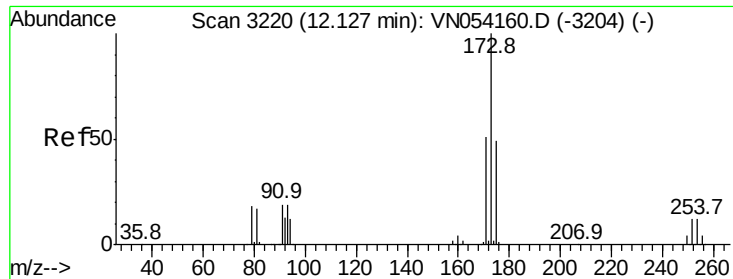
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#70
Styrene
Concen: 51.514 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Tgt Ion:104 Resp: 2169408
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 56.0 44.4 66.6





#71

Bromoform

Concen: 44.085 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

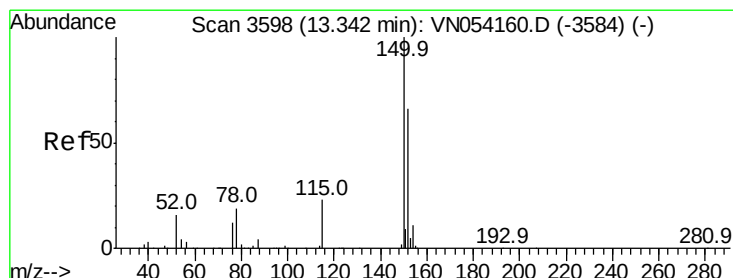
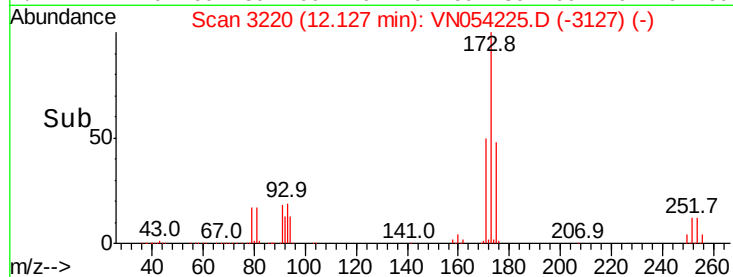
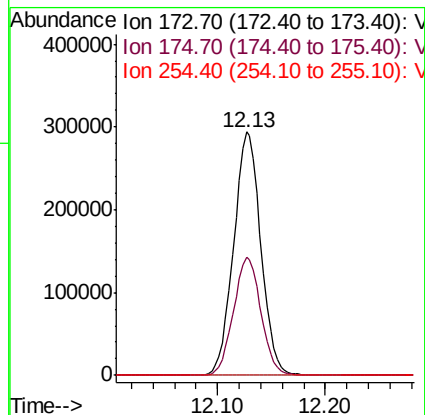
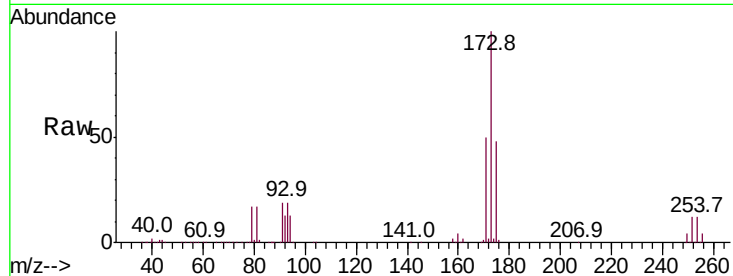
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	515597
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.4	73.2
254	0.1	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

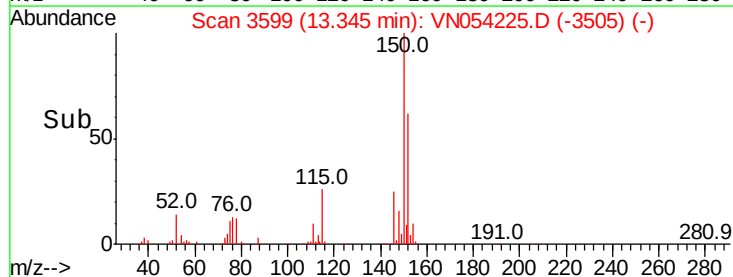
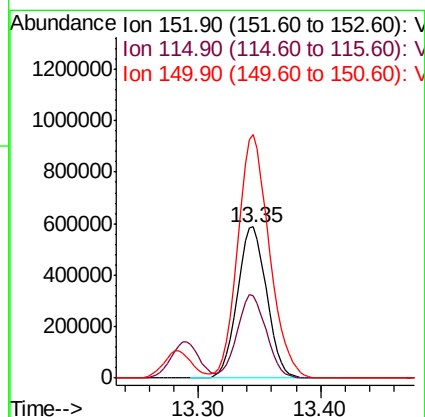
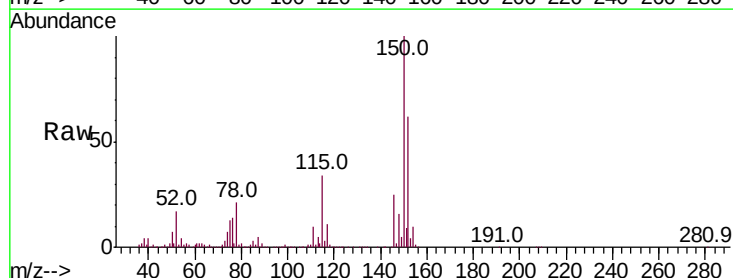
RT: 13.35 min Scan# 3599

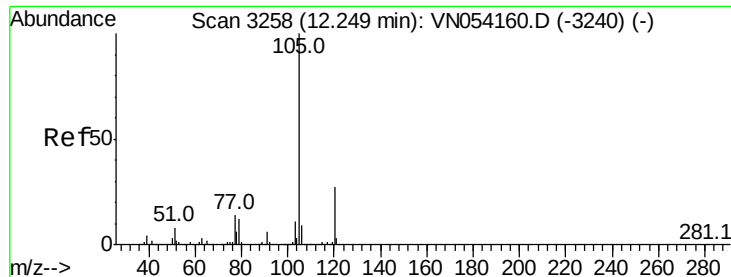
Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Tgt Ion:	152	Resp:	972789
Ion Ratio	Lower	Upper	
152	100		
115	54.8	27.2	81.6
150	174.2	0.0	349.2





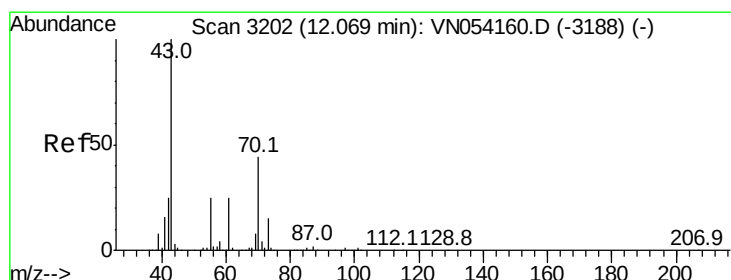
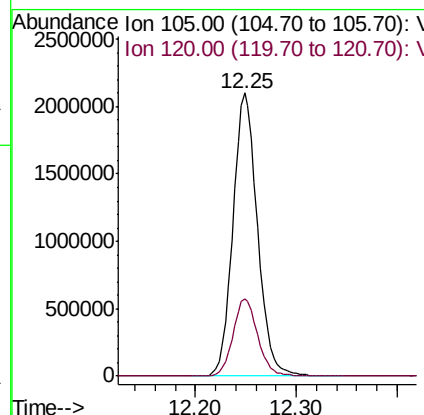
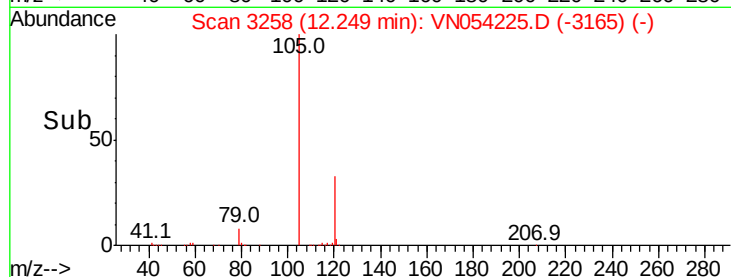
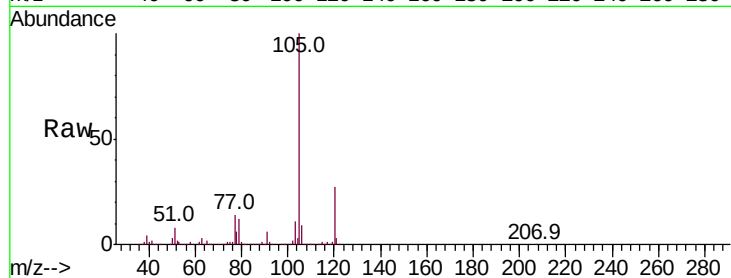
#73
Isopropylbenzene
Concen: 45.746 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 3560374
Ion Ratio Lower Upper
105 100
120 27.5 13.8 41.3

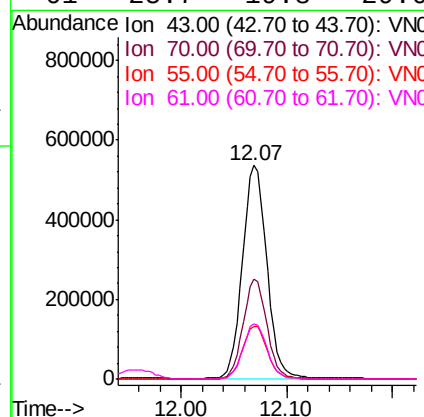
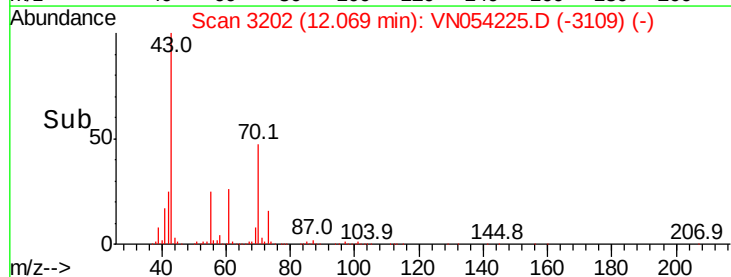
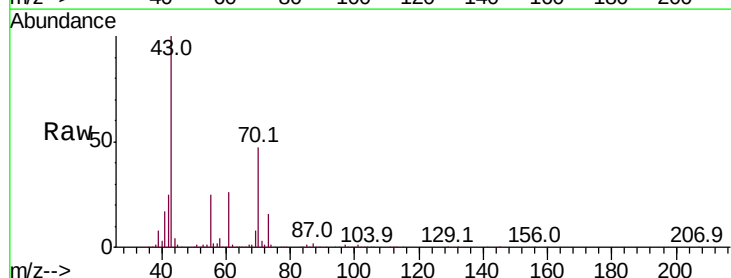
Manual Integrations
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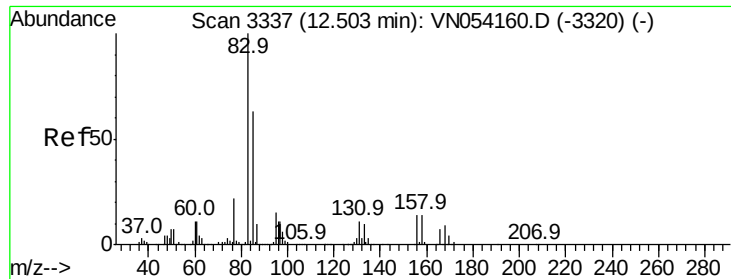
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#74
N-ethyl acetate
Concen: 49.585 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054225.D
Acq: 13 Mar 2019 20:56

Tgt Ion: 43 Resp: 856610
Ion Ratio Lower Upper
43 100
70 45.9 35.4 53.0
55 25.3 19.8 29.6
61 25.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.597 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 805833
Ion Ratio Lower Upper

83 100

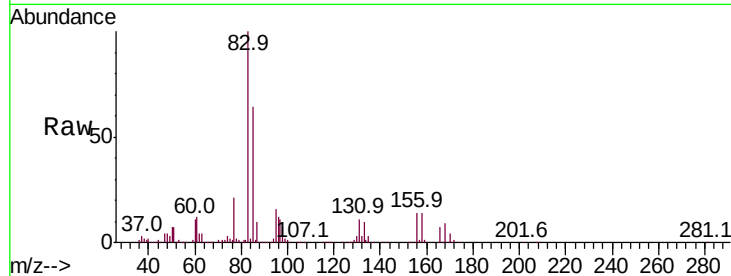
131 11.6 5.8 17.4

85 64.9 32.2 96.6

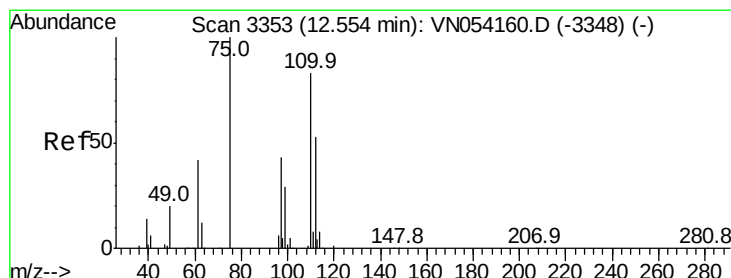
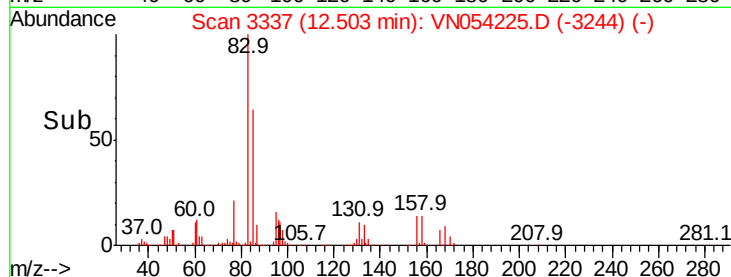
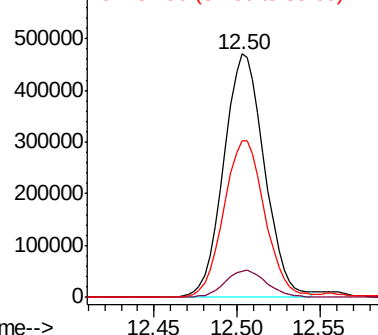
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 43.334 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

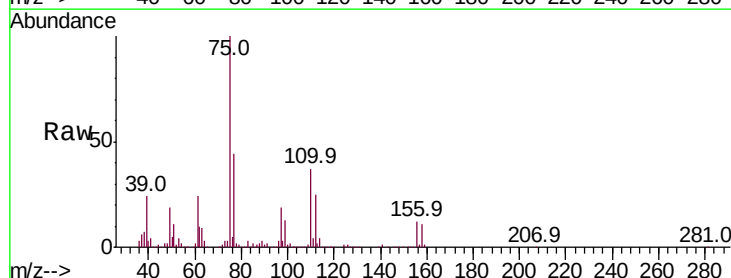
Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

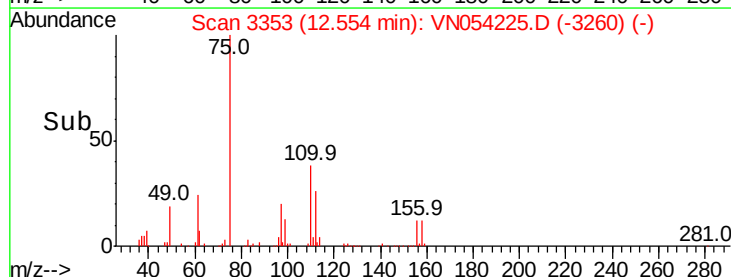
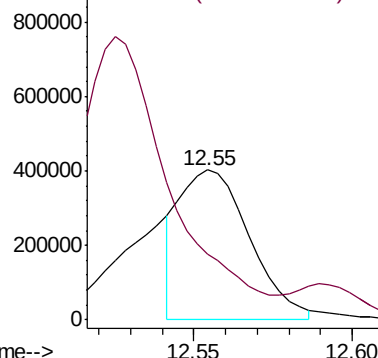
Tgt Ion: 75 Resp: 619906
Ion Ratio Lower Upper

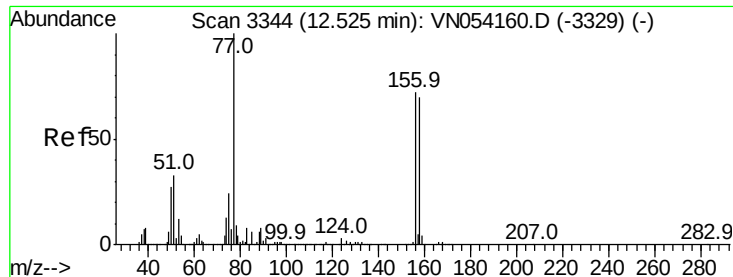
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 48.310 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

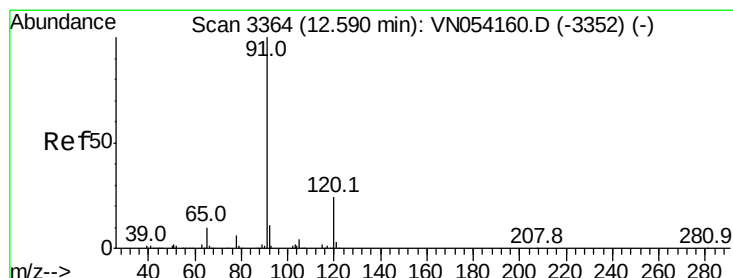
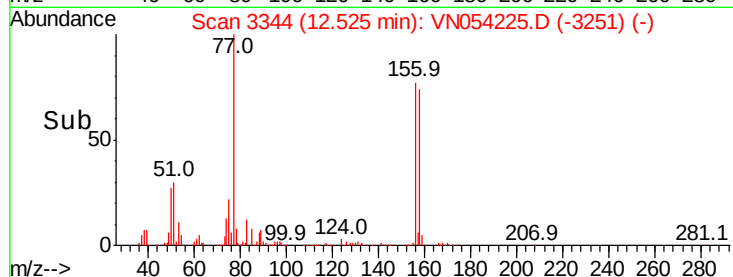
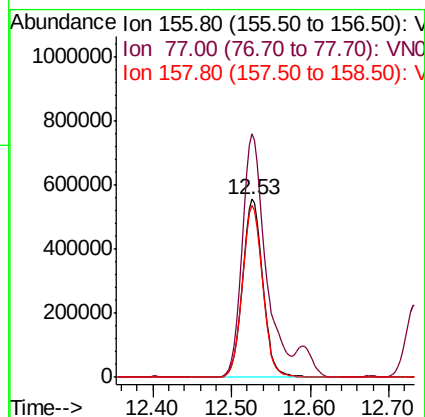
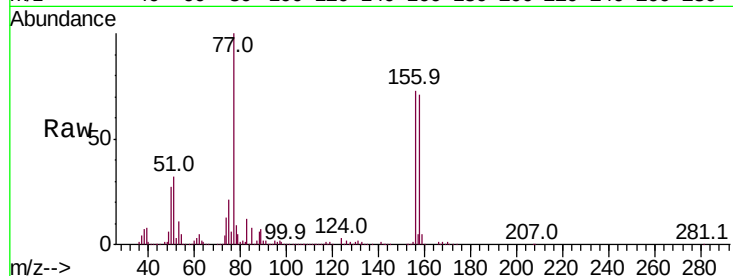
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	994937
Ion Ratio	Lower	Upper	
156	100		
77	157.5	81.5	244.4
158	96.1	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 46.974 ug/l

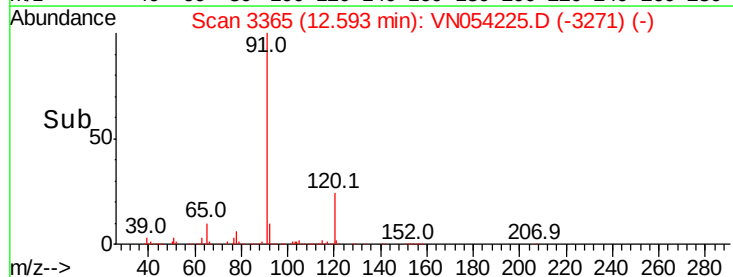
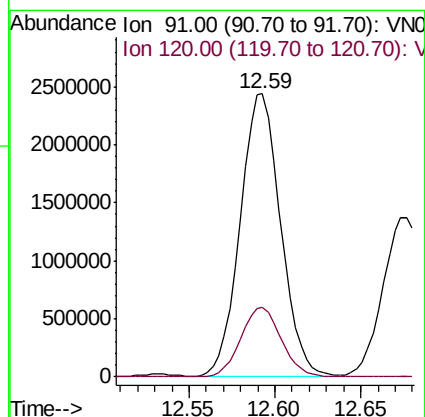
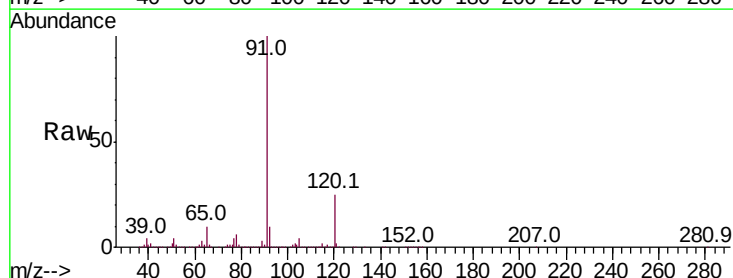
RT: 12.59 min Scan# 3365

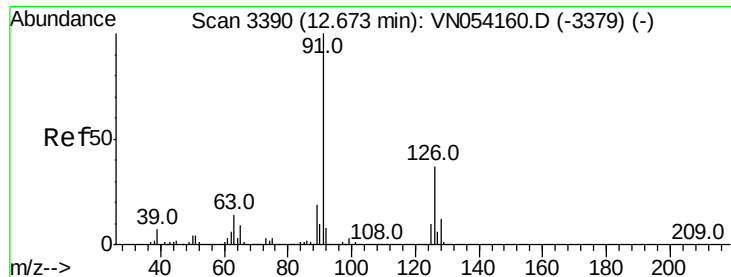
Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Tgt Ion:	91	Resp:	3966934
Ion Ratio	Lower	Upper	
91	100		
120	24.9	12.3	36.9





#79

2-Chlorotoluene

Concen: 46.342 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 2353092

Ion Ratio Lower Upper

91 100

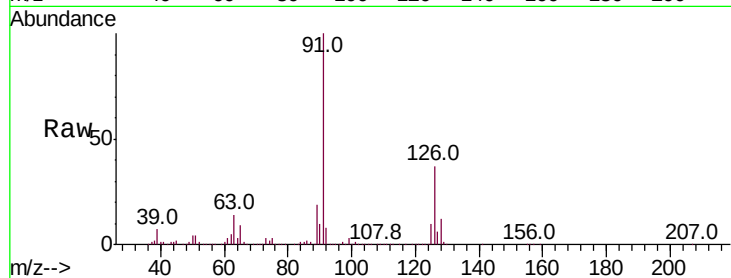
126 37.7 18.7 56.1

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

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

1500000

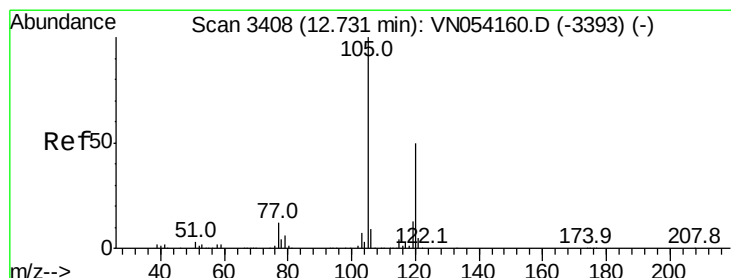
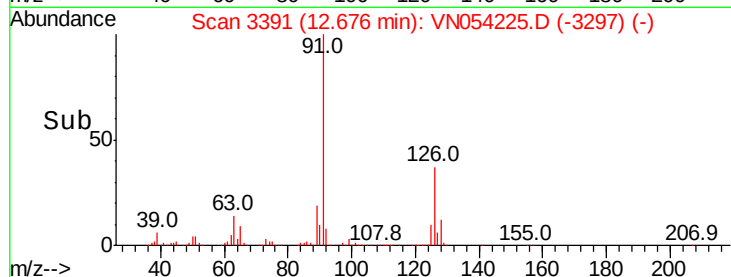
1000000

500000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.012 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054225.D

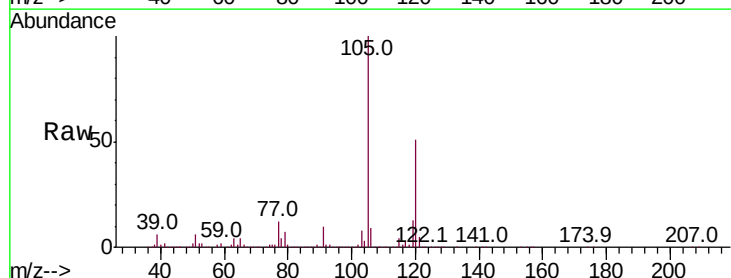
Acq: 13 Mar 2019 20:56

Tgt Ion:105 Resp: 2978695

Ion Ratio Lower Upper

105 100

120 50.7 25.0 75.0



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

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

2000000

1500000

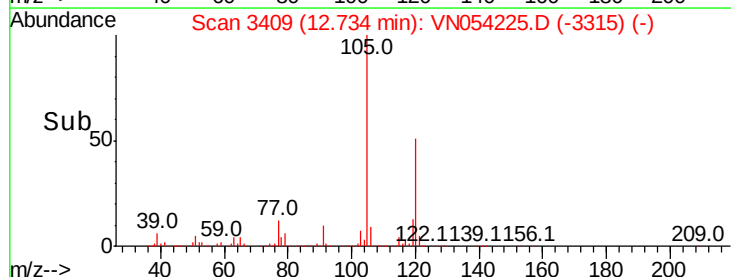
1000000

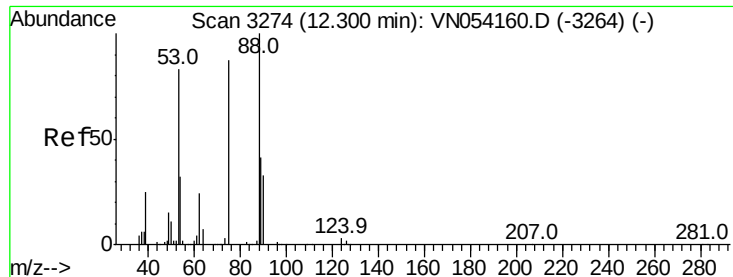
500000

0

12.70 12.73 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 42.367 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

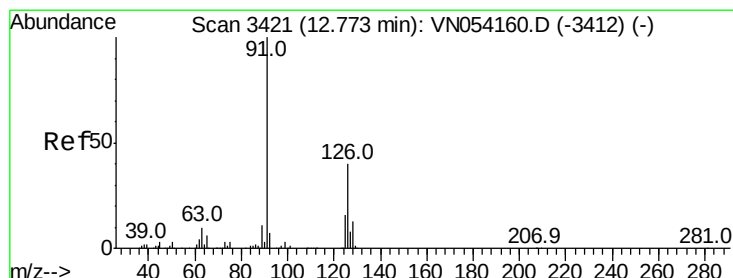
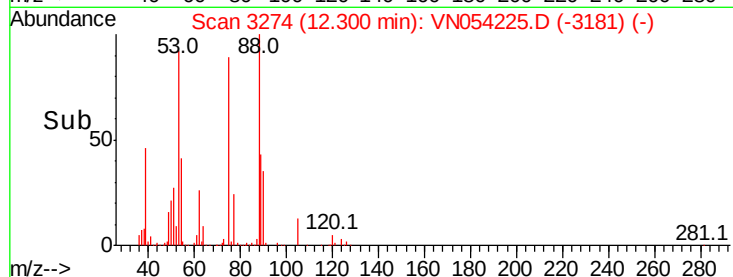
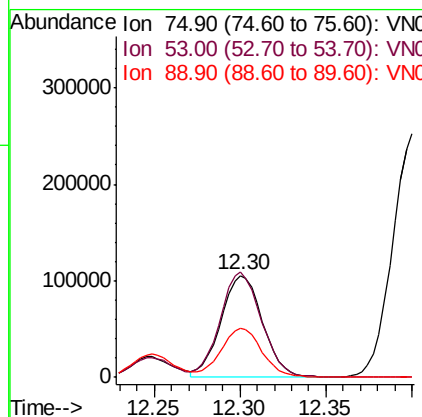
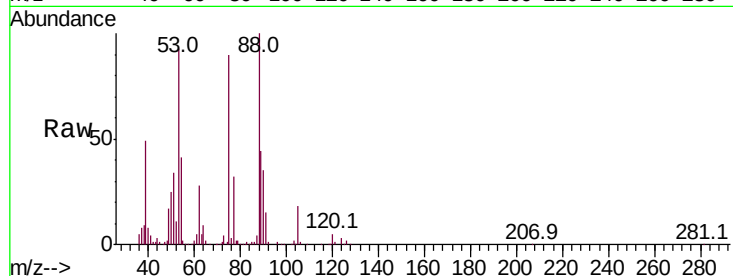
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	177293
Ion Ratio	Lower	Upper	
75	100		
53	102.7	76.2	114.2
89	48.5	39.2	58.8

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#82

4-Chlorotoluene

Concen: 47.479 ug/l

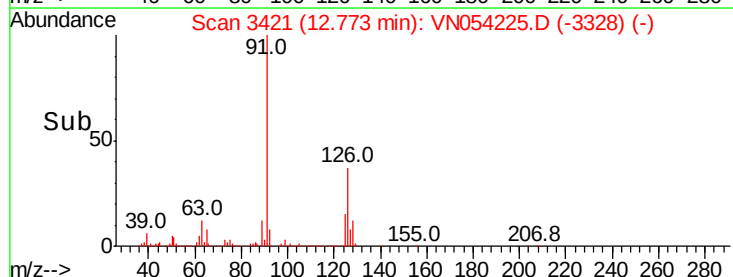
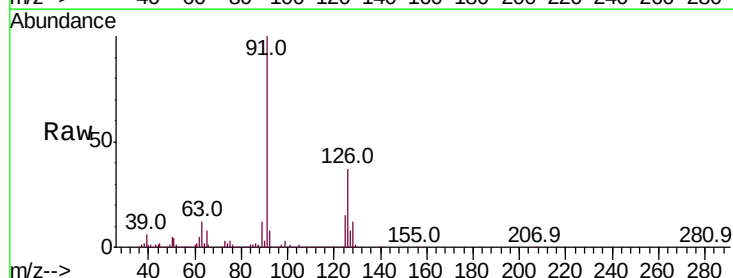
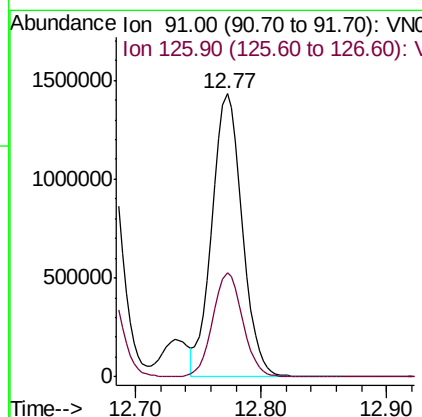
RT: 12.77 min Scan# 3421

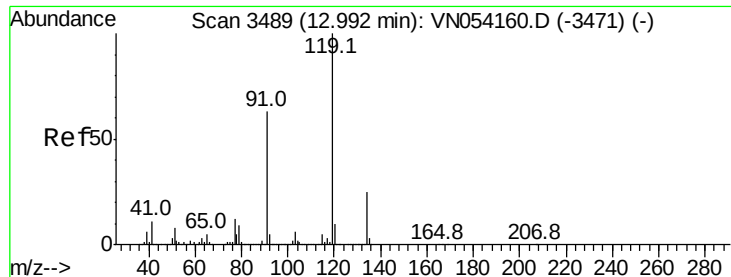
Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Tgt Ion:	91	Resp:	2407327
Ion Ratio	Lower	Upper	
91	100		
126	36.5	18.1	54.1





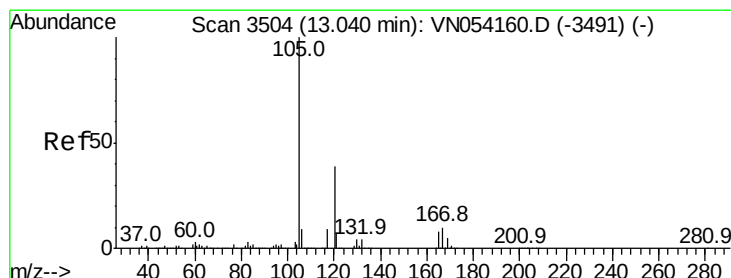
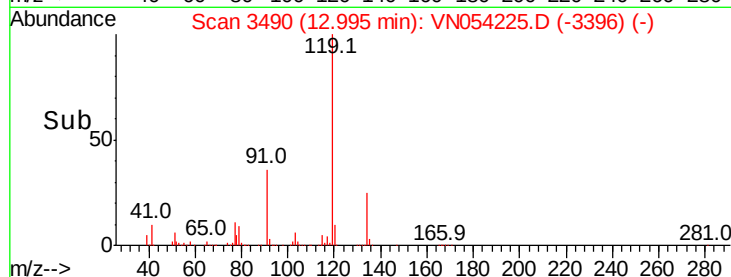
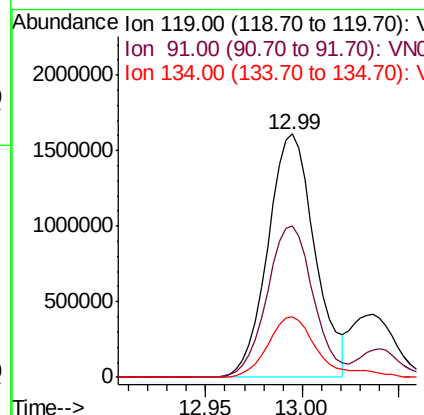
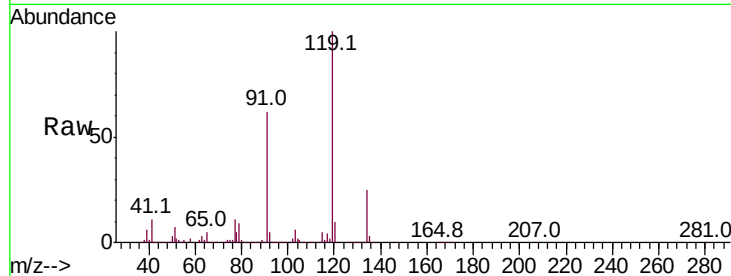
#83
 tert-Butylbenzene
 Concen: 45.703 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054225.D
 Acq: 13 Mar 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 2723330
 Ion Ratio Lower Upper
 119 100
 91 61.8 30.9 92.8
 134 26.6 13.2 39.6

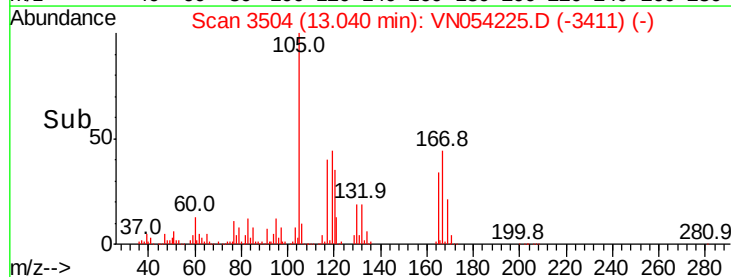
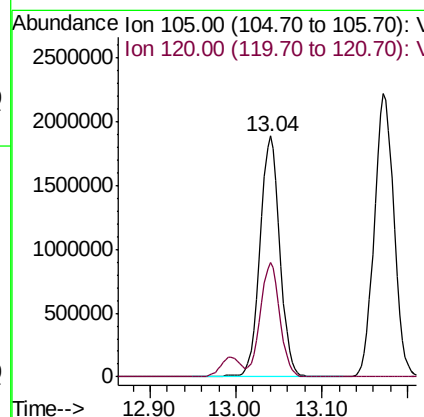
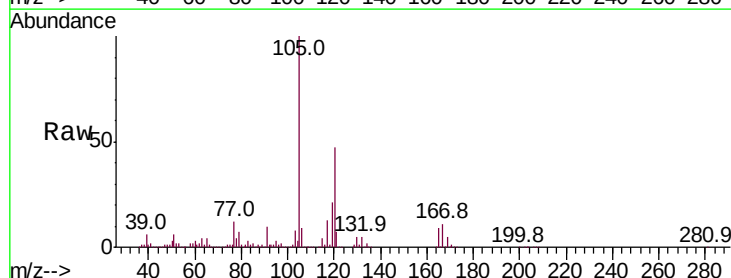
Manual Integrations
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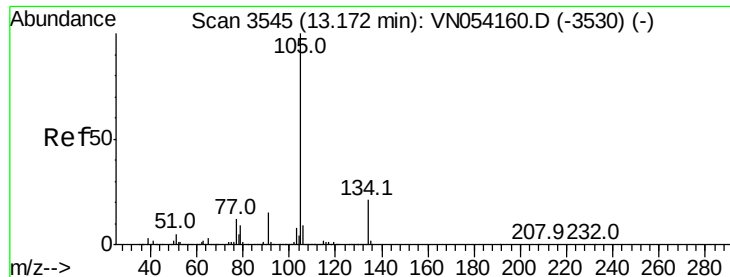
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.698 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054225.D
 Acq: 13 Mar 2019 20:56

Tgt Ion:105 Resp: 3029308
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.3





#85

sec-Butylbenzene

Concen: 45.796 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 3538921

Ion Ratio Lower Upper

105 100

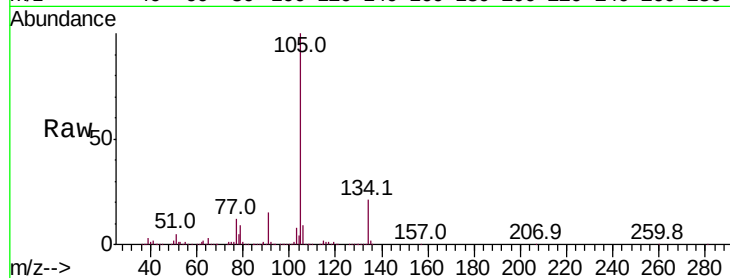
134 21.4 10.7 32.1

Manual Integrations

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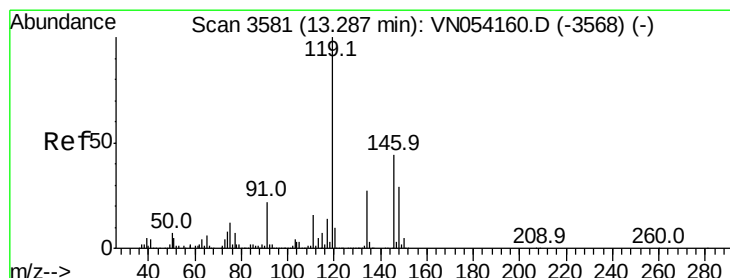
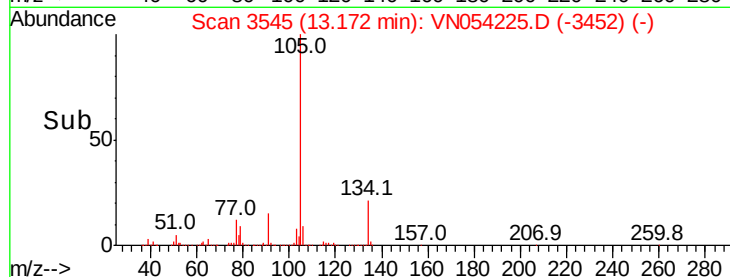
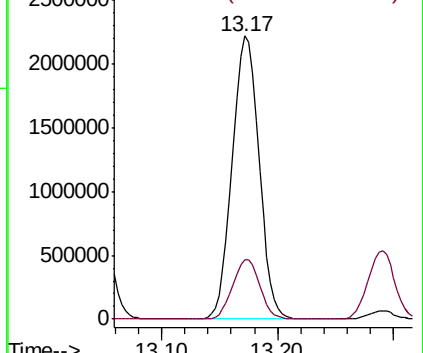
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.394 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

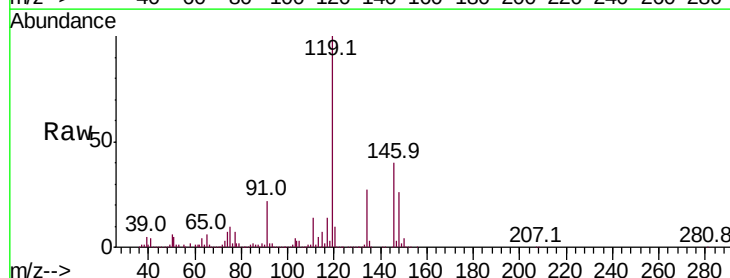
Tgt Ion:119 Resp: 3145274

Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.8

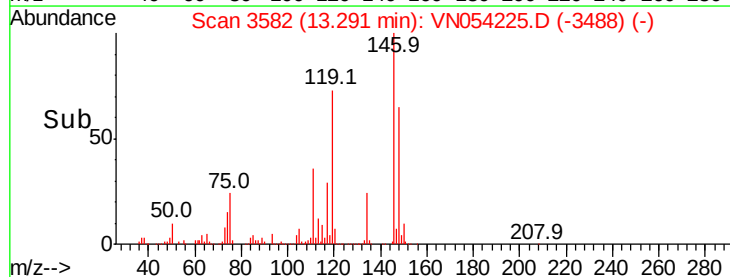
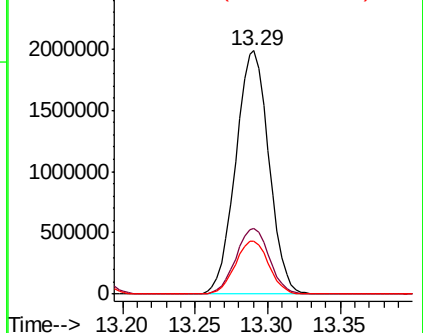
91 22.0 11.1 33.3

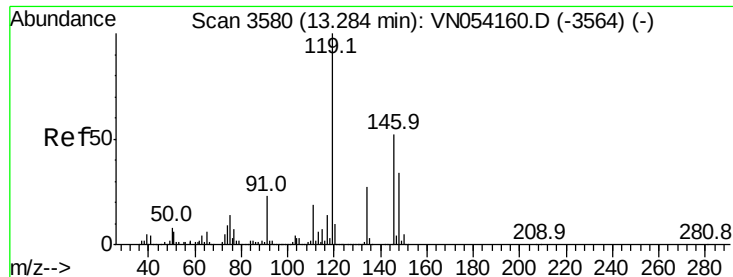


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.723 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 1690832

Ion Ratio Lower Upper

146 100

111 37.1 18.8 56.3

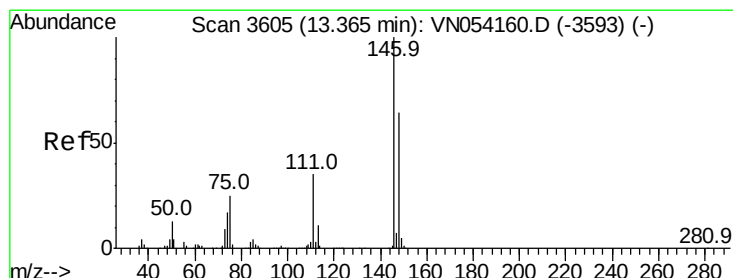
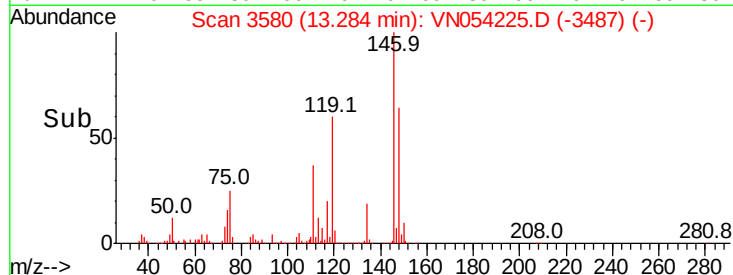
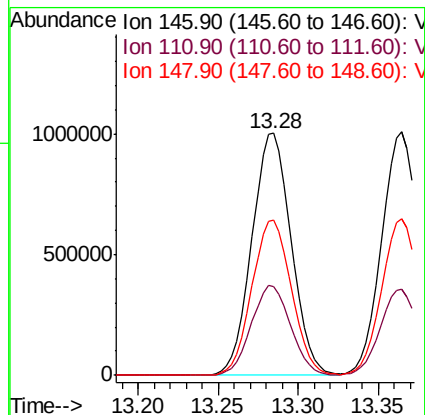
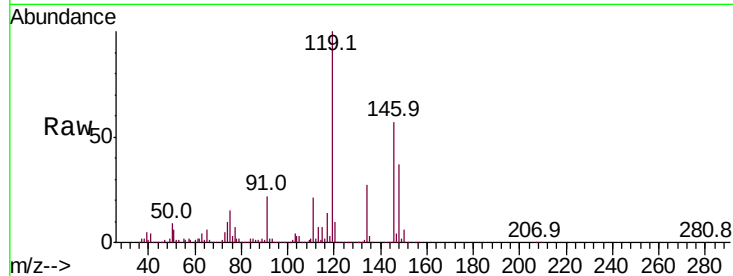
148 64.4 32.2 96.6

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#88

1,4-Dichlorobenzene

Concen: 48.862 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

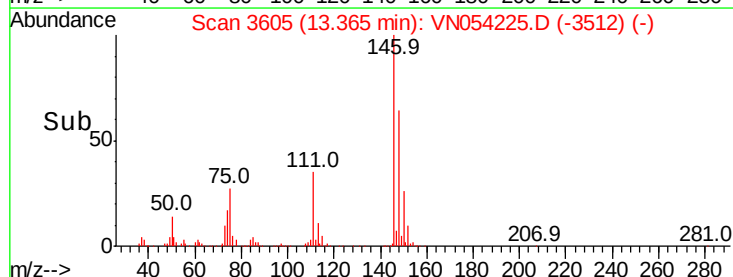
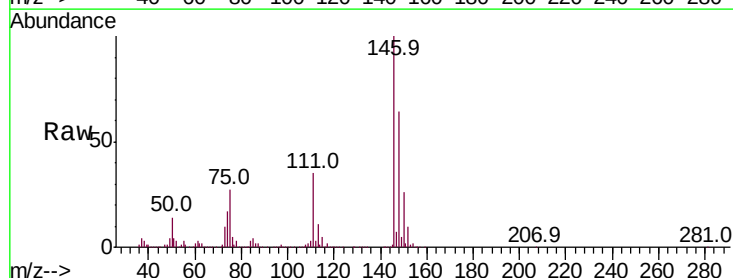
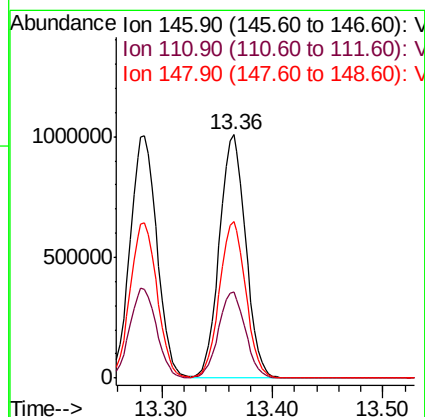
Tgt Ion:146 Resp: 1665761

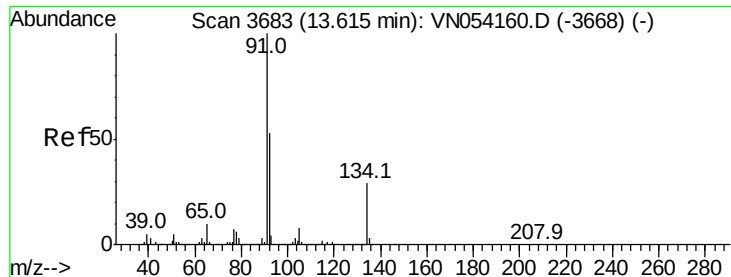
Ion Ratio Lower Upper

146 100

111 36.0 18.1 54.1

148 64.3 32.0 96.0





#89

n-Butylbenzene

Concen: 48.949 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 2521403

Ion Ratio Lower Upper

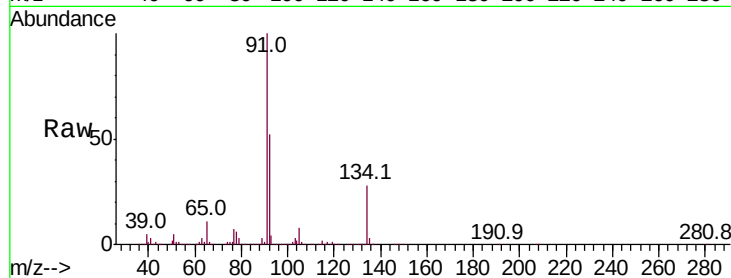
91 100

92 52.0 26.2 78.6

134 28.6 14.3 42.9

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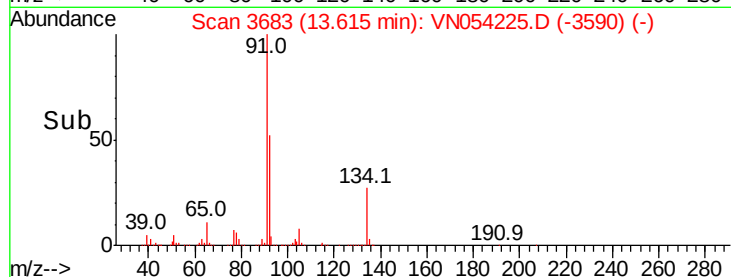


Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054160.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3668) (-)

Time-->

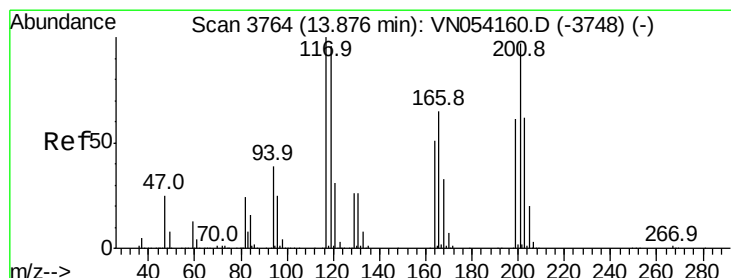


Abundance Ion 91.00 (90.70 to 91.70): VN054225.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN054225.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN054225.D (-3590) (-)

Time-->



#90

Hexachloroethane

Concen: 44.391 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054225.D

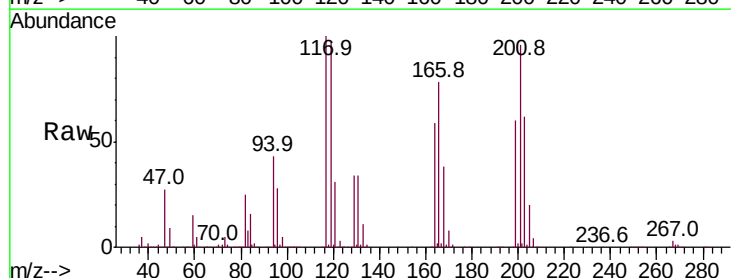
Acq: 13 Mar 2019 20:56

Tgt Ion: 117 Resp: 498319

Ion Ratio Lower Upper

117 100

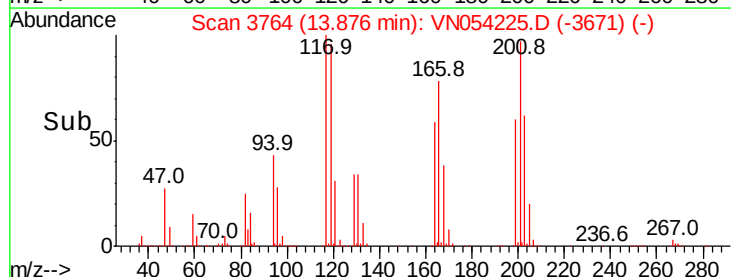
201 96.6 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054160.D (-3748) (-)

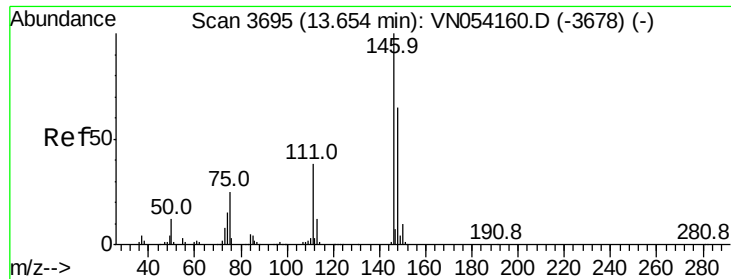
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN054225.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN054225.D (-3671) (-)

Time-->



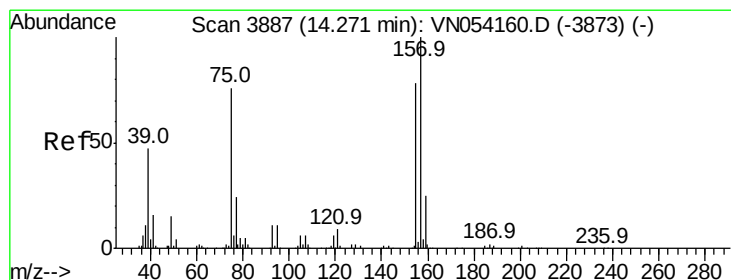
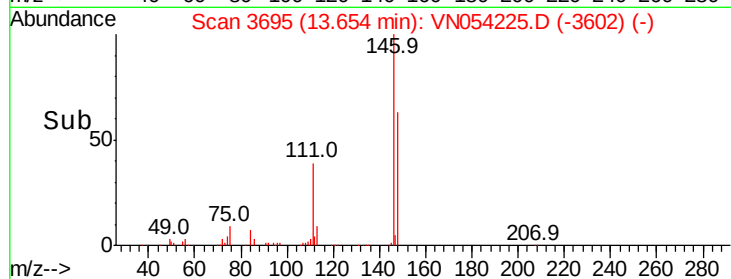
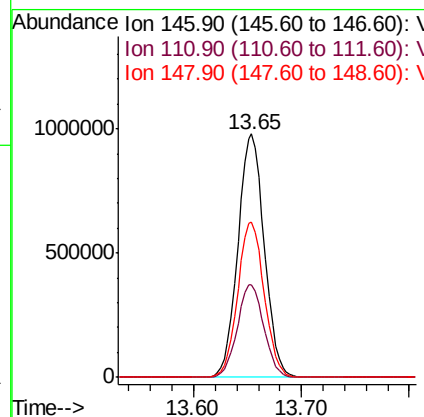
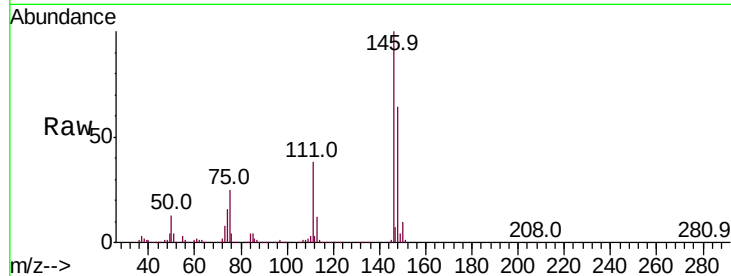
#91
 1,2-Dichlorobenzene
 Concen: 49.072 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054225.D
 Acq: 13 Mar 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.3
148	64.1	32.4	97.0

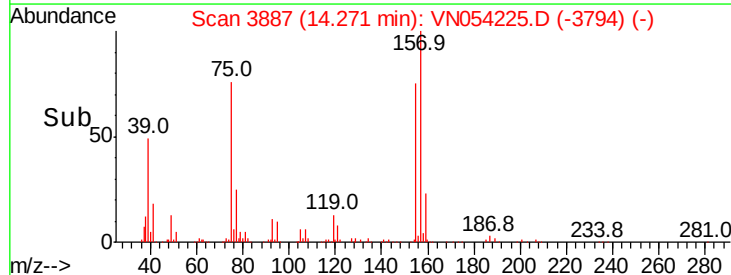
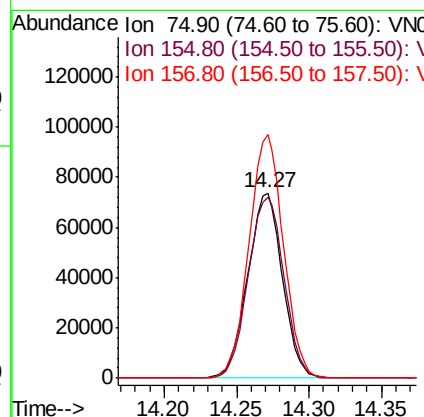
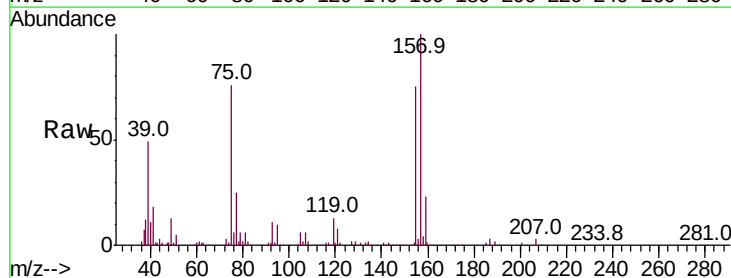
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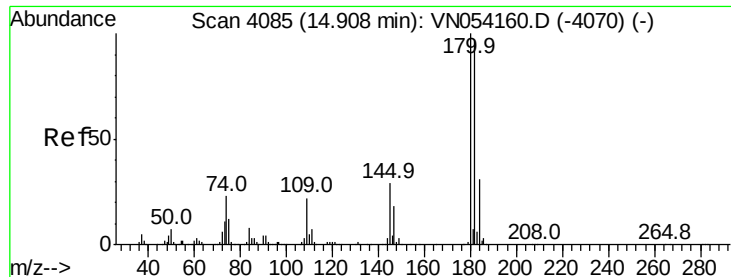
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.997 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054225.D
 Acq: 13 Mar 2019 20:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.6	50.1	150.3
157	130.3	63.1	189.3





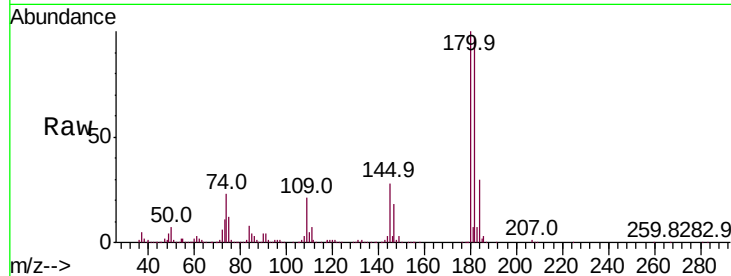
#93
 1,2,4-Trichlorobenzene
 Concen: 46.497 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054225.D
 Acq: 13 Mar 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	48.0	144.2	
145	28.3	14.2	42.8	

Manual Integrations
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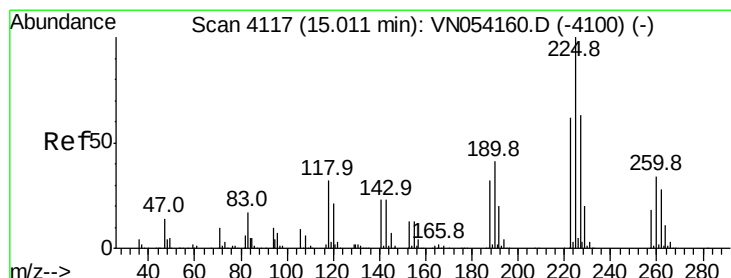
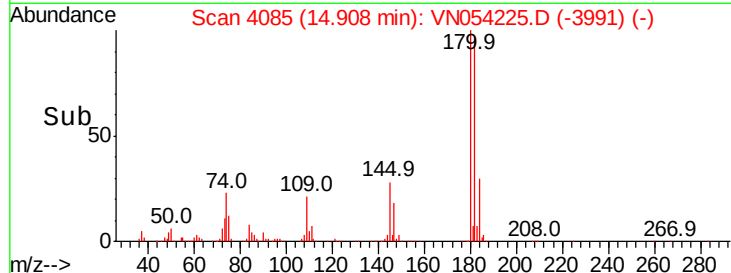
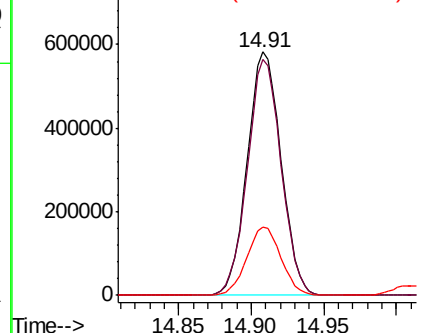


Abundance

Ion 179.80 (179.50 to 180.50): V

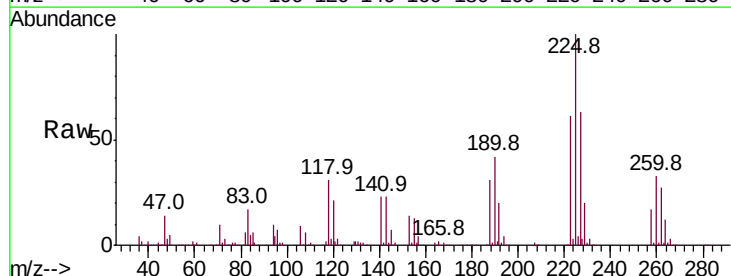
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 43.512 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054225.D
 Acq: 13 Mar 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.2	31.1	93.5	
227	63.5	31.9	95.9	

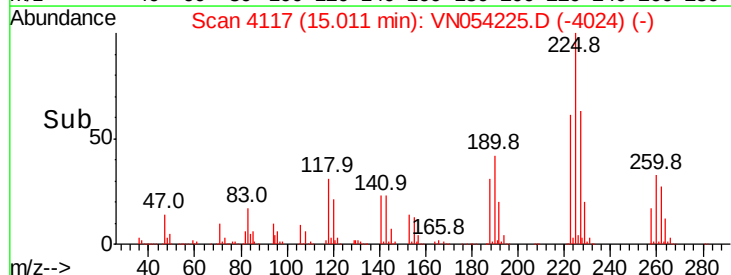
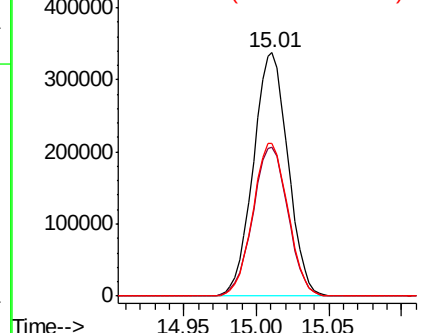


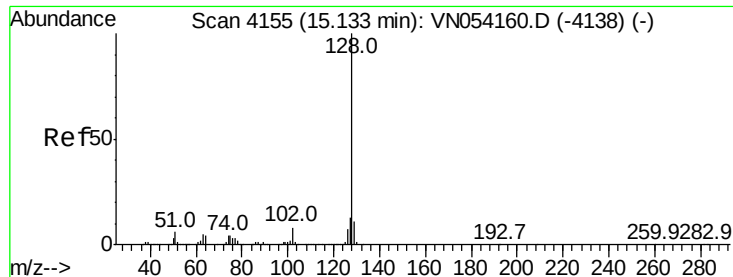
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 46.574 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1976277

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

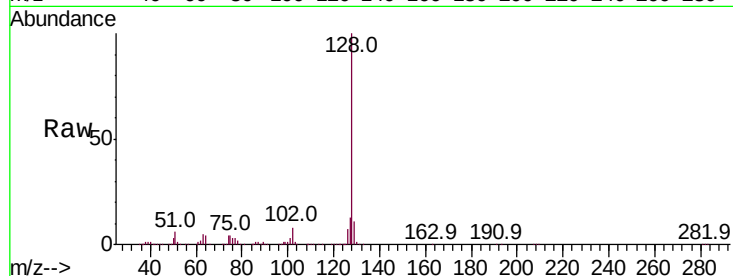
129 10.9 8.7 13.1

Manual Integrations

APPROVED

MMDadoda

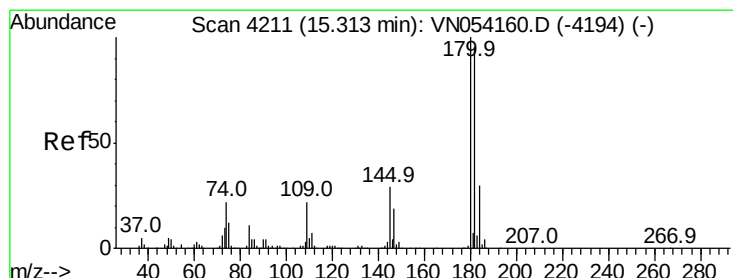
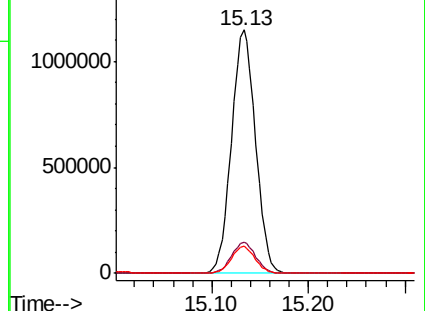
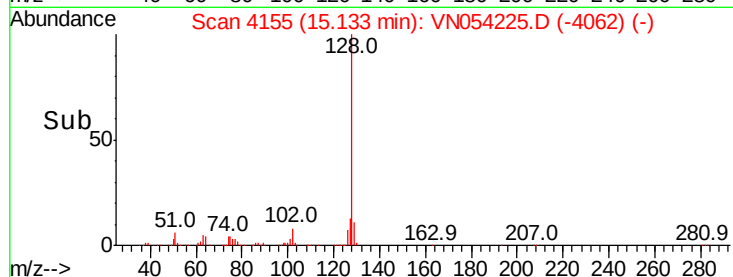
3/14/2019 10:27:56 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.353 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054225.D

Acq: 13 Mar 2019 20:56

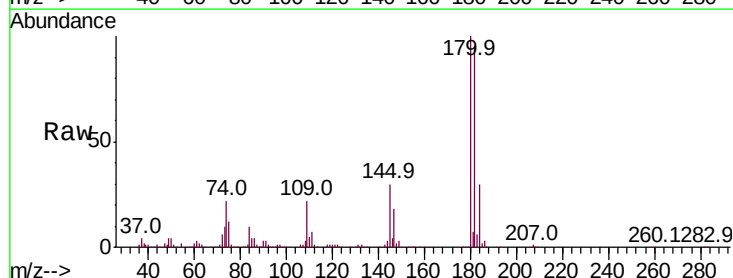
Tgt Ion:180 Resp: 943670

Ion Ratio Lower Upper

180 100

182 95.9 47.5 142.6

145 29.6 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

