

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054177.D
 Acq On : 12 Mar 2019 21:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:41:38 AM

Quant Time: Mar 13 08:11:53 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	1522442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2303494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2038443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	999184	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	817867	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
35) Dibromofluoromethane	7.59	113	749014	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.09	98	2740947	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.40	95	976844	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	744544	51.601	ug/l	99
3) Chloromethane	2.06	50	676413	48.261	ug/l	100
4) Vinyl Chloride	2.19	62	780473	48.720	ug/l	100
5) Bromomethane	2.57	94	527336	47.529	ug/l	97
6) Chloroethane	2.71	64	454452	46.886	ug/l	99
7) Trichlorofluoromethane	3.02	101	999675	46.936	ug/l	97
8) Diethyl Ether	3.41	74	507933	52.333	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	818931	51.310	ug/l	100
10) Methyl Iodide	3.94	142	1075066	47.508	ug/l	99
11) Tert butyl alcohol	4.82	59	295839	266.903	ug/l	100
12) 1,1-Dichloroethene	3.73	96	806002	50.960	ug/l	99
13) Acrolein	3.61	56	246060	234.272	ug/l	99
14) Allyl chloride	4.32	41	1044594	51.475	ug/l	100
15) Acrylonitrile	4.99	53	1229762	270.098	ug/l	100
16) Acetone	3.82	43	959734	207.314	ug/l	98
17) Carbon Disulfide	4.04	76	2007827	50.639	ug/l	99
18) Methyl Acetate	4.33	43	530717	56.664	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2087501	53.247	ug/l	99
20) Methylene Chloride	4.55	84	771078	50.726	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	769941	50.807	ug/l	98
22) Diisopropyl ether	5.96	45	2138037	52.789	ug/l	98
23) Vinyl Acetate	5.90	43	8068755	270.202	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1340581	51.550	ug/l	99
25) 2-Butanone	6.84	43	1435436	264.184	ug/l	100
26) 2,2-Dichloropropane	6.82	77	1081357	47.285	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	889769	52.629	ug/l	99
28) Bromochloromethane	7.19	49	538901	50.690	ug/l	98
29) Tetrahydrofuran	7.22	42	943178	269.979	ug/l	99
30) Chloroform	7.37	83	1411611	52.019	ug/l	99
31) Cyclohexane	7.65	56	1220322	50.198	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1265318	51.629	ug/l	100
36) 1,1-Dichloropropene	7.79	75	1084731	51.135	ug/l	99
37) Ethyl Acetate	6.94	43	655143	53.749	ug/l	99
38) Carbon Tetrachloride	7.77	117	1124426	50.545	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1303066	49.925	ug/l	100
40) Benzene	8.04	78	3126098	51.498	ug/l	99
41) Methacrylonitrile	7.17	41	340834	48.974	ug/l	94
42) 1,2-Dichloroethane	8.12	62	1059687	51.706	ug/l	100
43) Isopropyl Acetate	8.17	43	1142269	53.390	ug/l	99
44) Trichloroethene	8.83	130	956318	50.713	ug/l	99
45) 1,2-Dichloropropane	9.12	63	779080	51.686	ug/l	100
46) Dibromomethane	9.21	93	529973	52.038	ug/l	99
47) Bromodichloromethane	9.40	83	1079293	52.862	ug/l	98
48) Methyl methacrylate	9.20	41	576993	53.142	ug/l	96
49) 1,4-Dioxane	9.20	88	164091	1068.453	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	3167928	279.796	ug/l	100
52) Toluene	10.16	92	2000713	51.980	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1106994	47.507	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	1231759	51.771	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	743766	52.921	ug/l	99
56) Ethyl methacrylate	10.43	69	920001	54.900	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1206776	52.513	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1719508	237.419	ug/l	100
59) 2-Hexanone	10.75	43	2036167	270.271	ug/l	100
60) Dibromochloromethane	10.90	129	849480	53.700	ug/l	100
61) 1,2-Dibromoethane	11.01	107	757714	53.053	ug/l	99
64) Tetrachloroethene	10.63	164	984588	49.957	ug/l	99
65) Chlorobenzene	11.43	112	2305568	51.511	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	862246	53.030	ug/l	100
67) Ethyl Benzene	11.51	91	3791659	51.104	ug/l	99
68) m/p-Xylenes	11.62	106	3003647	103.578	ug/l	99
69) o-Xylene	11.95	106	1467745	51.920	ug/l	99
70) Styrene	11.96	104	2354071	53.097	ug/l	100
71) Bromoform	12.13	173	593607	47.992	ug/l #	100
73) Isopropylbenzene	12.25	105	3902333	48.815	ug/l	99
74) N-amyl acetate	12.07	43	946452	53.339	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	866233	50.860	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	794000m	54.038	ug/l	
77) Bromobenzene	12.53	156	1042004	49.259	ug/l	100
78) n-propylbenzene	12.59	91	4318621	49.787	ug/l	100
79) 2-Chlorotoluene	12.67	91	2564595	49.173	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3251494	48.899	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	220076	51.201	ug/l	98
82) 4-Chlorotoluene	12.77	91	2597798	49.883	ug/l	99
83) tert-Butylbenzene	12.99	119	2977445	48.648	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3291469	50.456	ug/l	100
85) sec-Butylbenzene	13.17	105	3917345	49.354	ug/l	100
86) p-Isopropyltoluene	13.29	119	3478516	49.954	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1832566	51.412	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1797446	51.332	ug/l	100
89) n-Butylbenzene	13.62	91	2806161	53.038	ug/l	100
90) Hexachloroethane	13.87	117	574489	49.824	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1784384	51.208	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	137218	52.064	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1034580	49.220	ug/l	99
94) Hexachlorobutadiene	15.01	225	632660	47.666	ug/l	99
95) Naphthalene	15.13	128	2074753	47.527	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1018365	55.004	ug/l	100

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

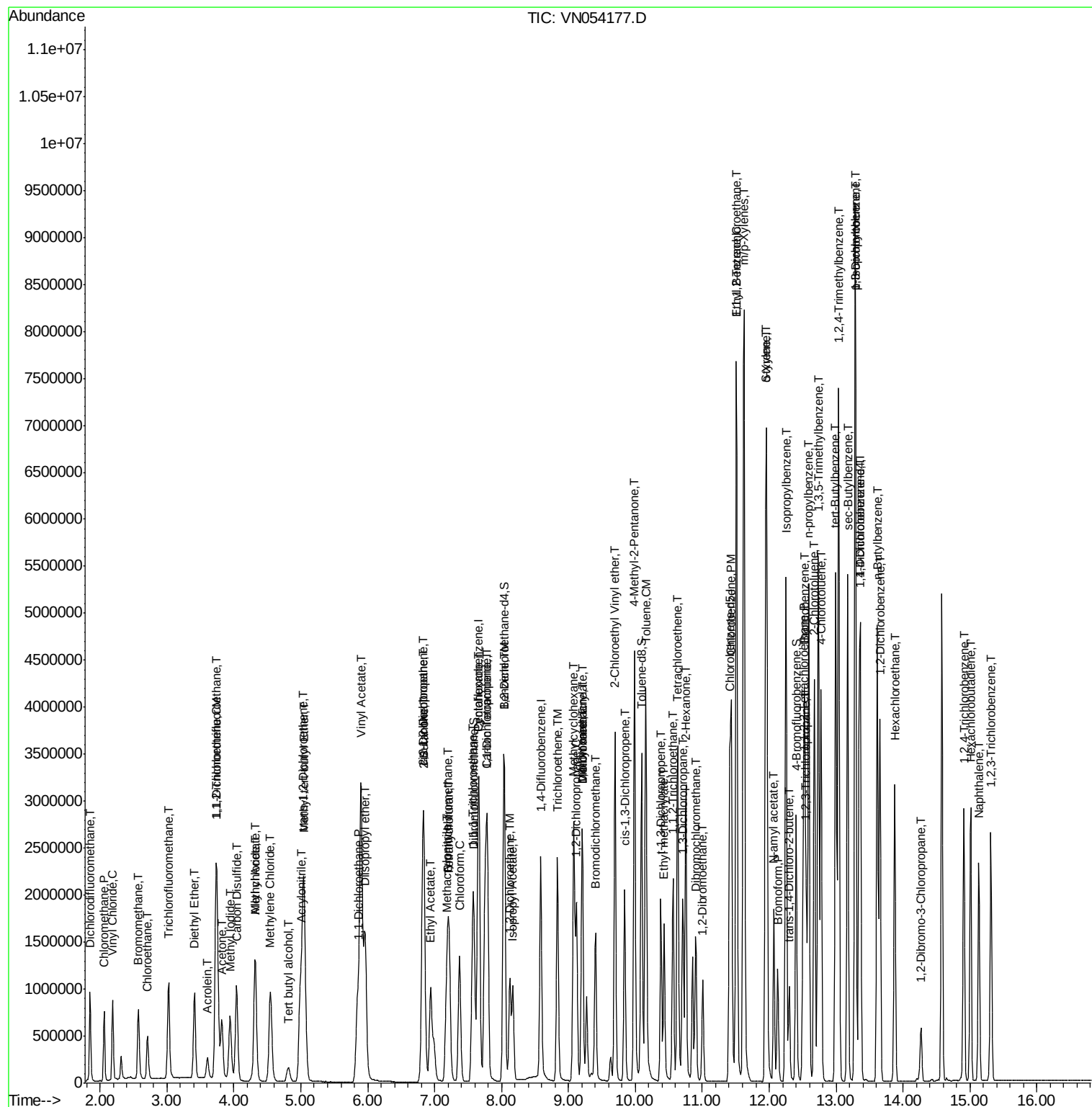
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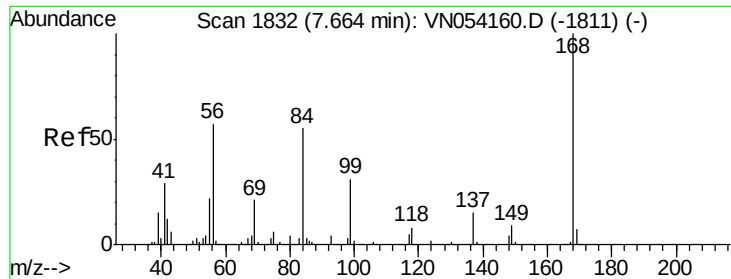
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054177.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 1522442

Ion Ratio Lower Upper

168 100

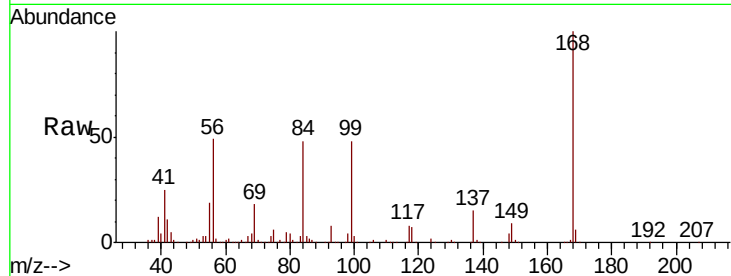
99 47.6 37.1 55.7

Manual Integrations

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3/13/2019 11:41:38 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

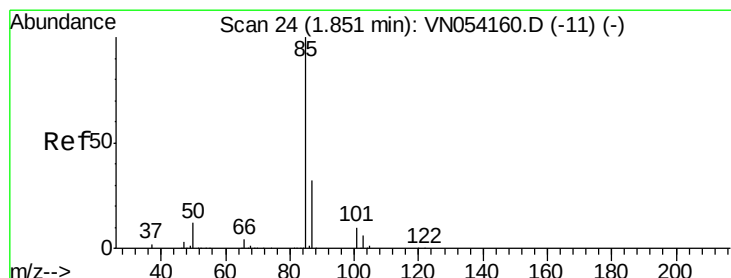
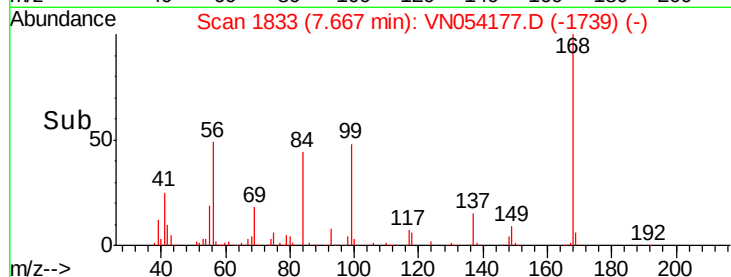
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 51.601 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054177.D

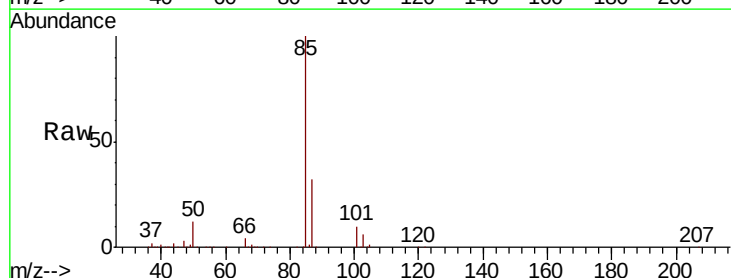
Acq: 12 Mar 2019 21:46

Tgt Ion: 85 Resp: 744544

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

600000

500000

400000

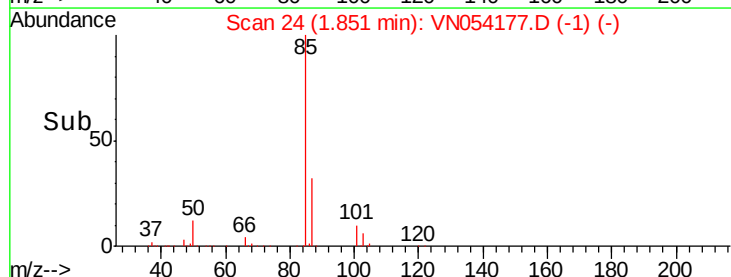
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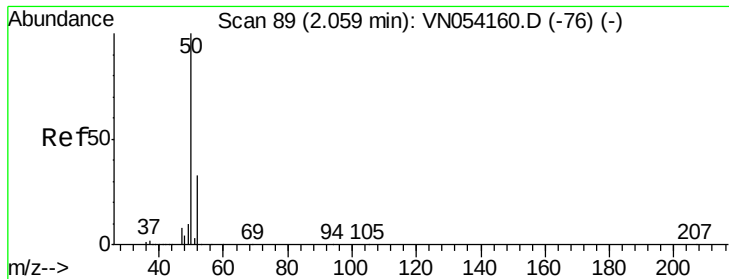
200000

100000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 48.261 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 676413

Ion Ratio Lower Upper

50 100

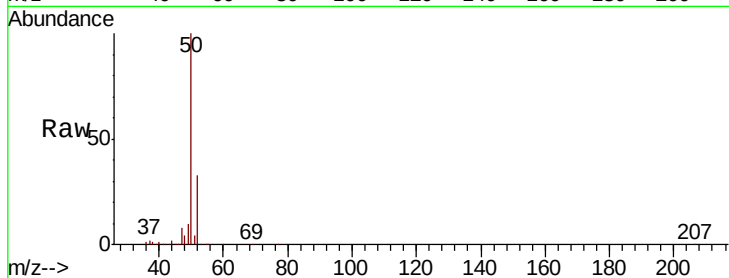
52 33.0 26.4 39.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN054177.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN054177.D (-1) (-)

2.06

500000

400000

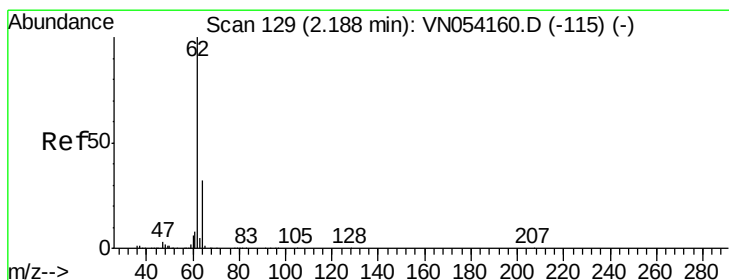
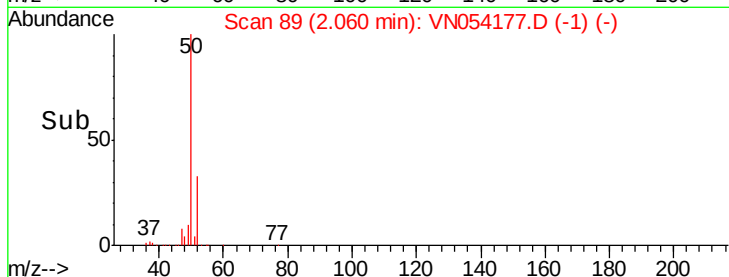
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 48.720 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054177.D

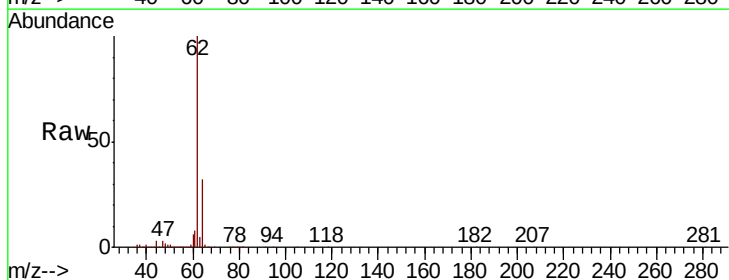
Acq: 12 Mar 2019 21:46

Tgt Ion: 62 Resp: 780473

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN054177.D (-36) (-)

Ion 63.90 (63.60 to 64.60): VN054177.D (-36) (-)

2.19

600000

500000

400000

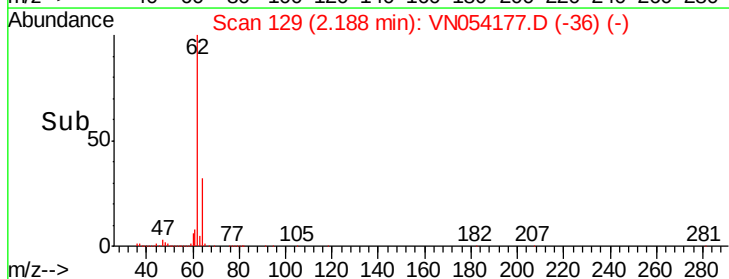
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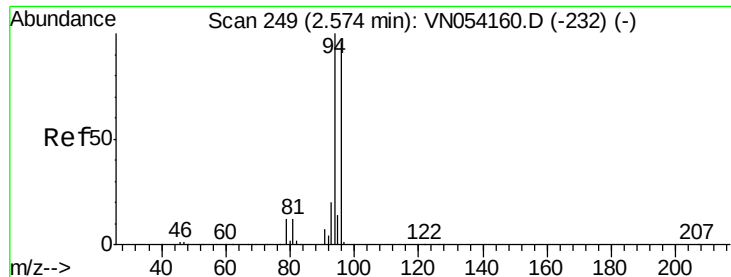
200000

100000

0

Time-->





#5

Bromomethane

Concen: 47.529 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 527336

Ion Ratio Lower Upper

94 100

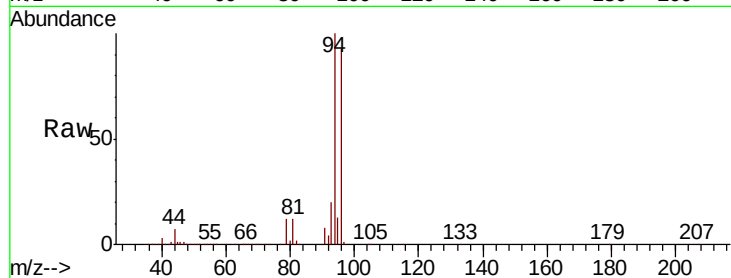
96 93.2 77.0 115.4

Manual Integrations

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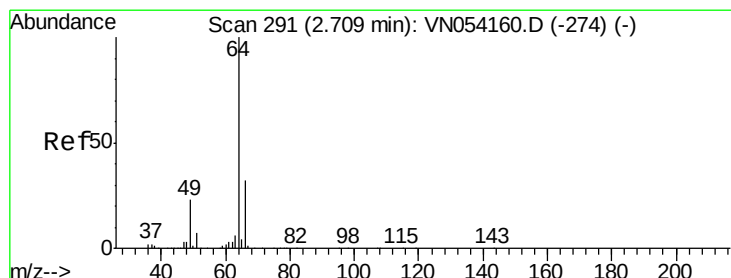
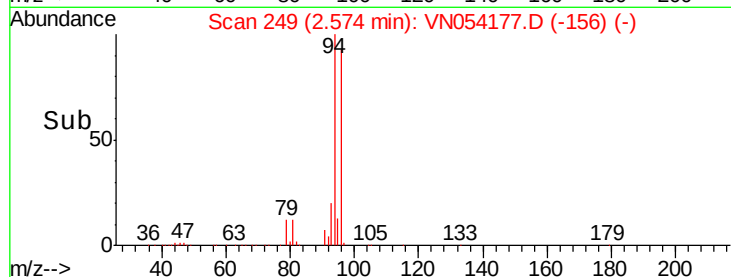
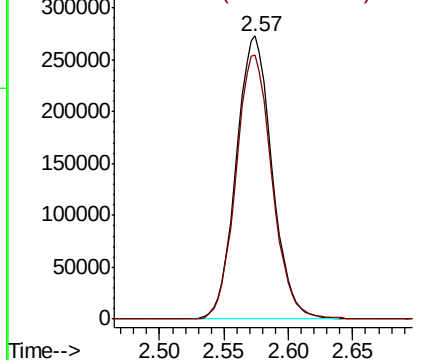
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3/13/2019 11:41:38 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.886 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054177.D

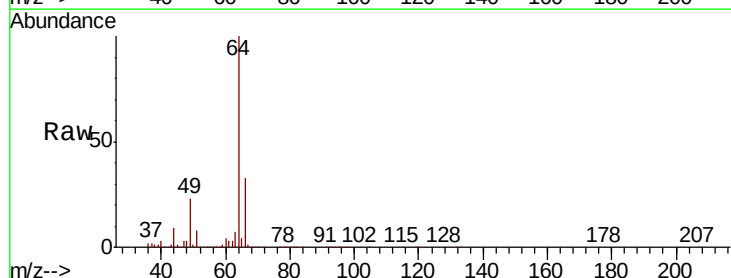
Acq: 12 Mar 2019 21:46

Tgt Ion: 64 Resp: 454452

Ion Ratio Lower Upper

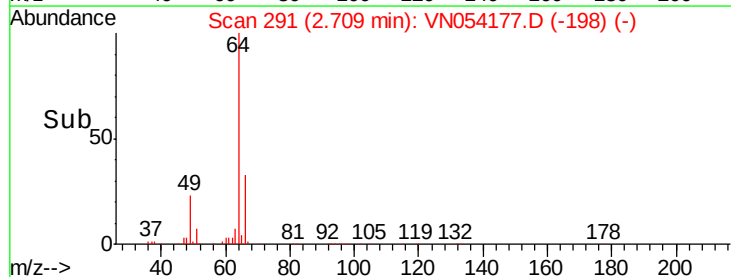
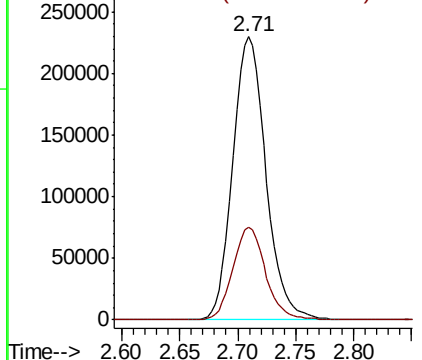
64 100

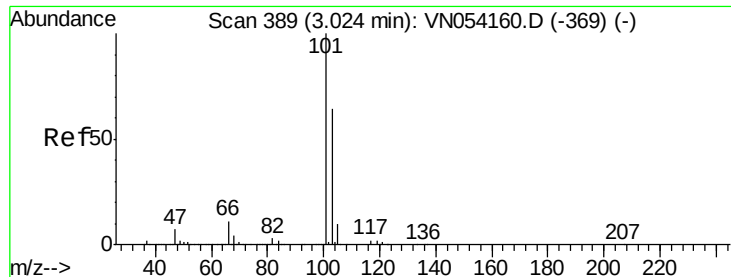
66 32.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

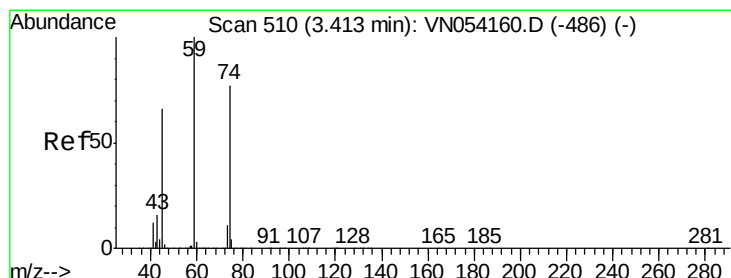
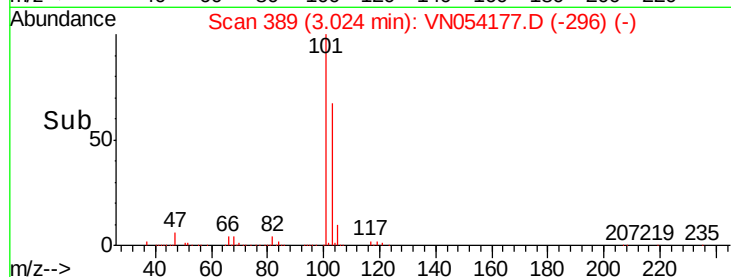
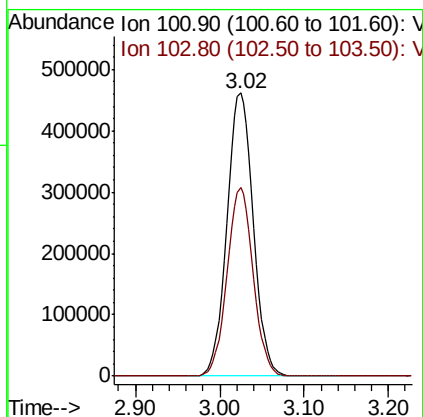
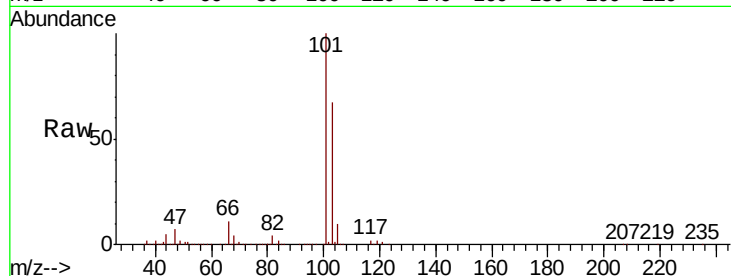
Trichlorofluoromethane
 Concen: 46.936 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054177.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.4	77.2

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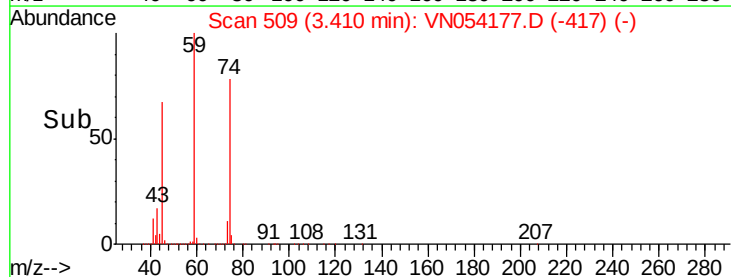
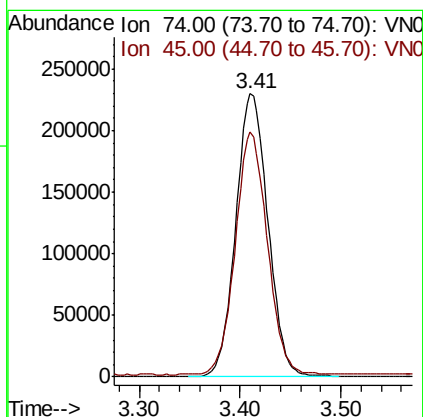
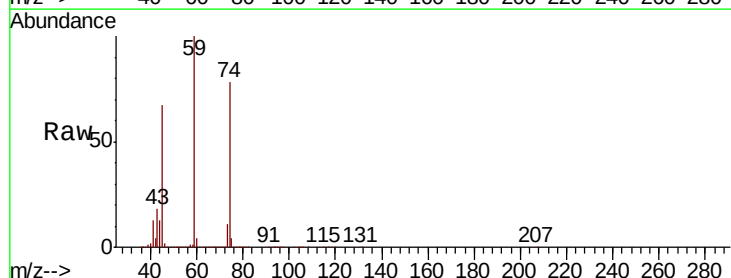
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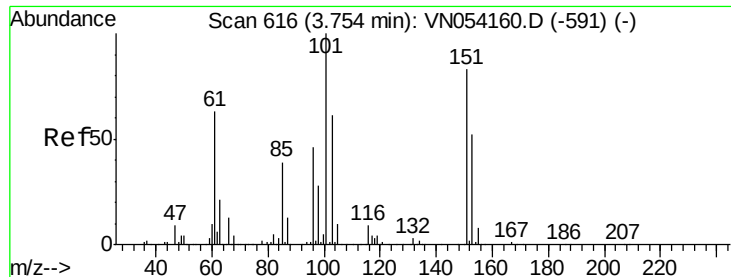


#8

Diethyl Ether
 Concen: 52.333 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054177.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.9	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.310 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

MSVOA_N

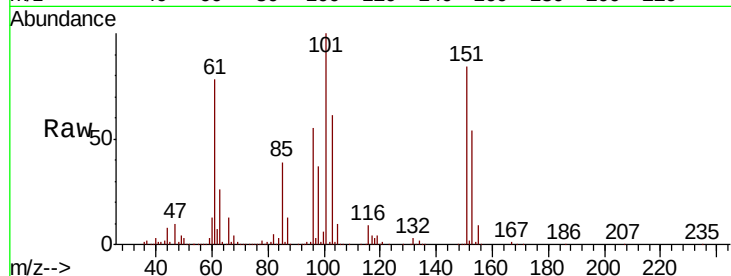
ClientSampleId :

VSTDCCC050EC

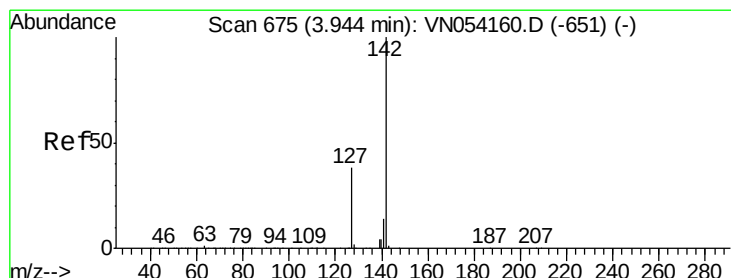
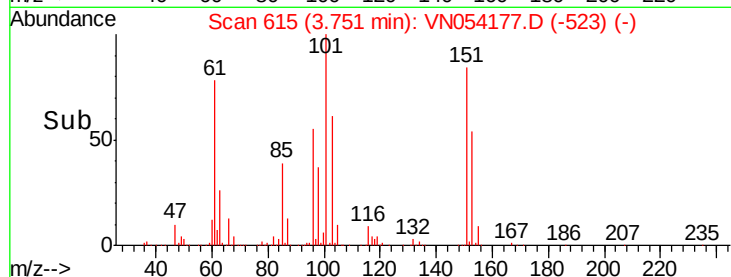
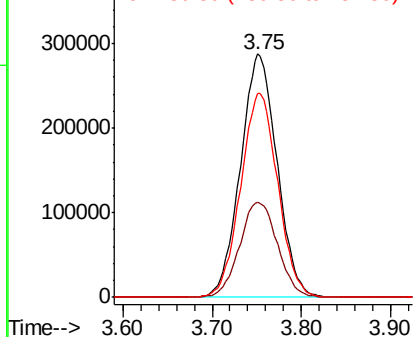
Tgt Ion:	101	Resp:	818931
Ion Ratio	Lower	Upper	
101	100		
85	40.4	32.4	48.6
151	85.1	68.2	102.2

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



#10

Methyl Iodide

Concen: 47.508 ug/l

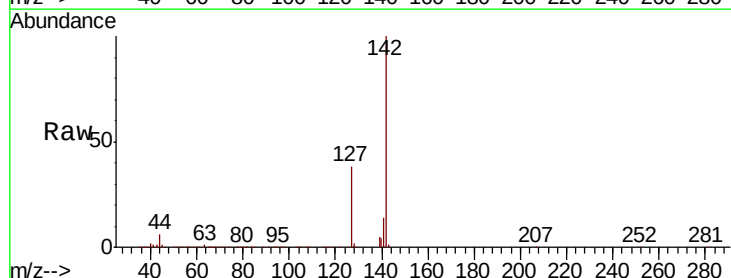
RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

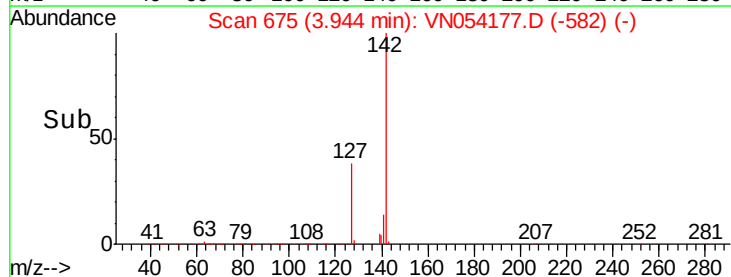
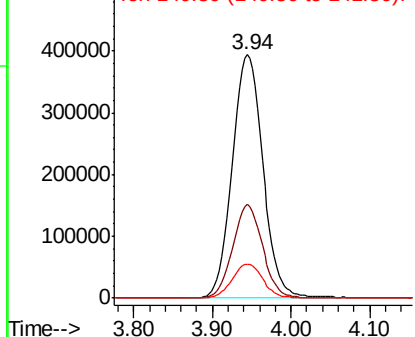
Lab File: VN054177.D

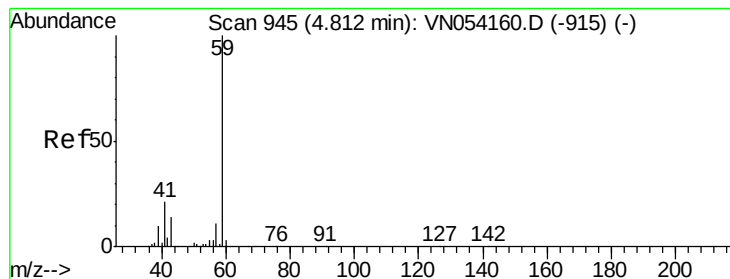
Acq: 12 Mar 2019 21:46

Tgt Ion:	142	Resp:	1075066
Ion Ratio	Lower	Upper	
142	100		
127	37.4	30.3	45.5
141	14.0	11.2	16.8



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





#11

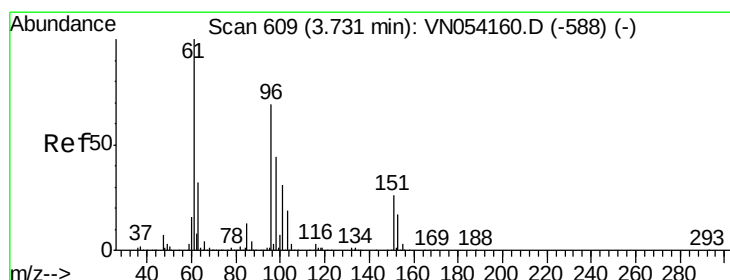
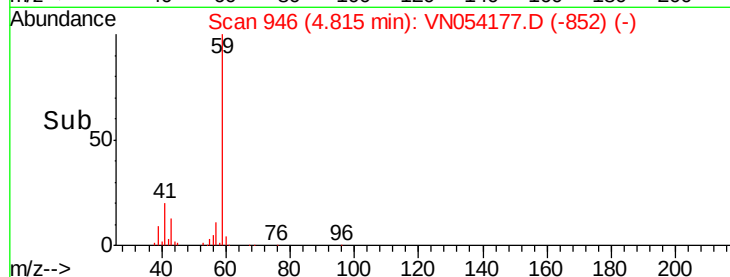
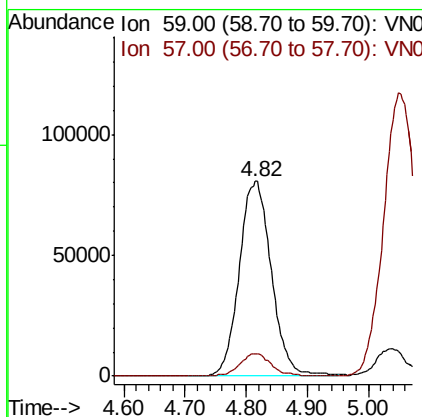
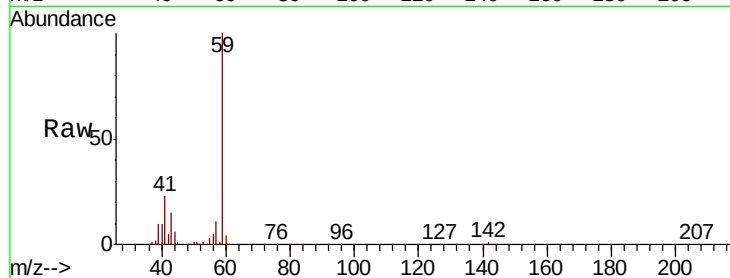
Tert butyl alcohol
 Concen: 266.903 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN054177.D
 Acq: 12 Mar 2019 21:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.0	13.6

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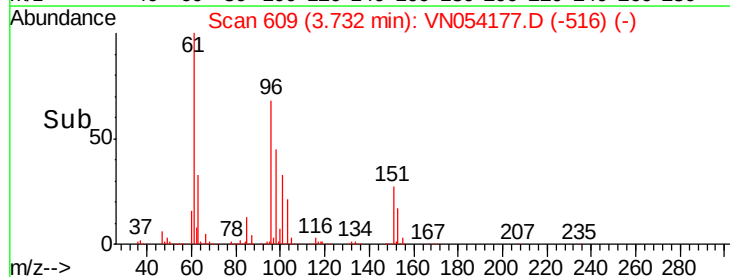
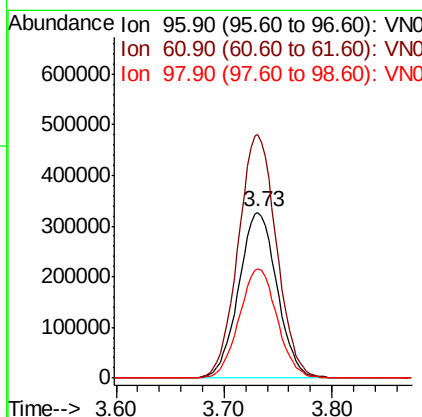
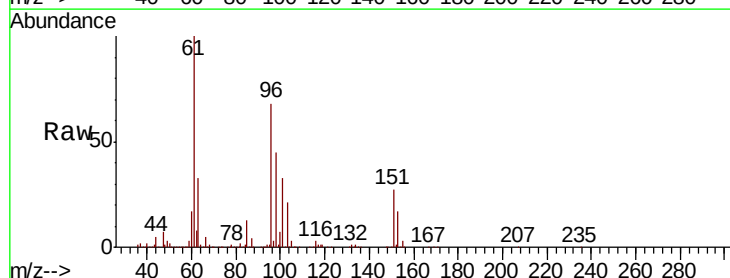
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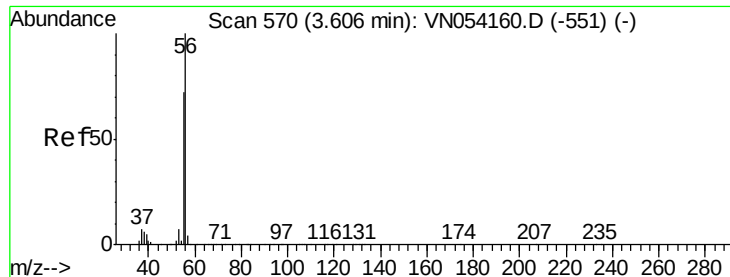


#12

1,1-Dichloroethene
 Concen: 50.960 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054177.D
 Acq: 12 Mar 2019 21:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.8	116.5	174.7
98	65.7	51.0	76.4





#13

Acrolein

Concen: 234.272 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 246060

Ion Ratio Lower Upper

56 100

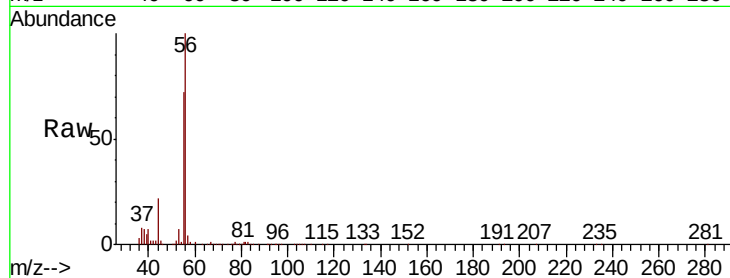
55 71.6 56.7 85.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

120000

100000

80000

60000

40000

20000

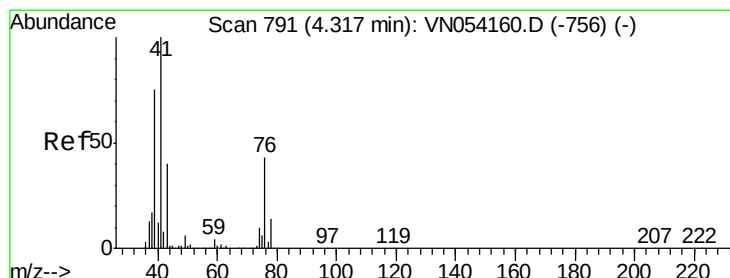
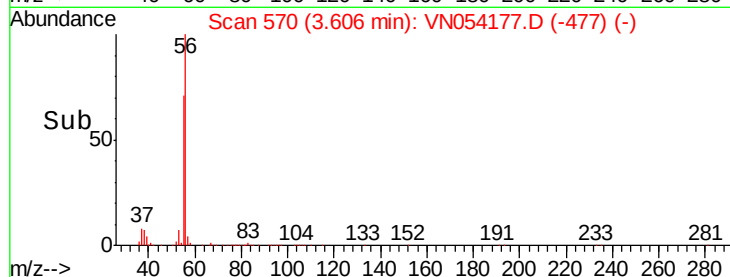
0

3.50

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 51.475 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

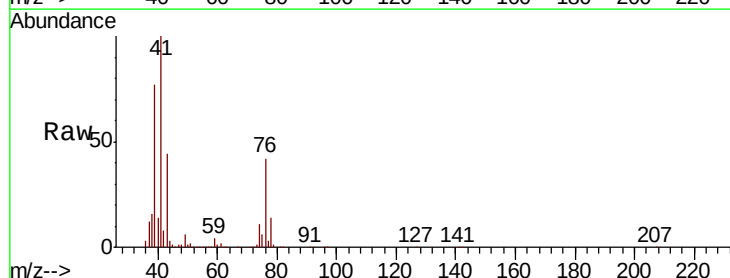
Tgt Ion: 41 Resp: 1044594

Ion Ratio Lower Upper

41 100

39 72.5 58.2 87.4

76 39.4 31.7 47.5



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

400000

300000

200000

100000

0

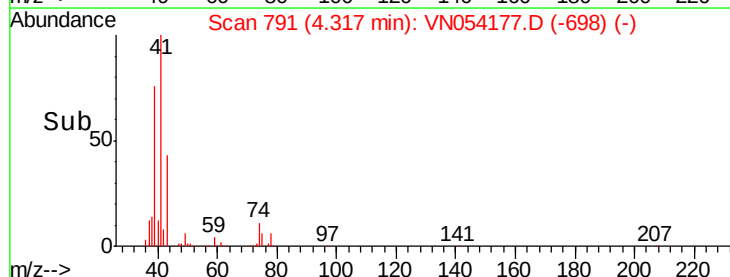
4.10

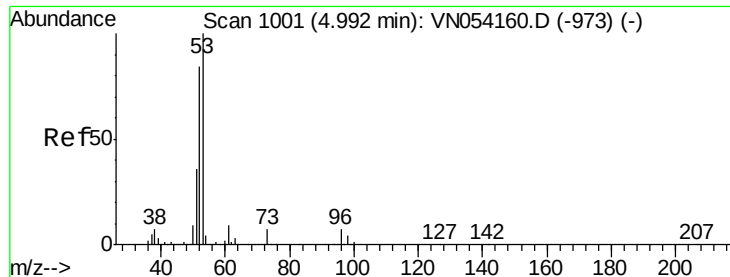
4.20

4.30

4.40

Time-->





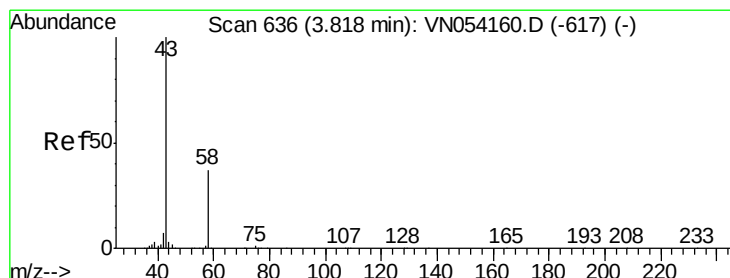
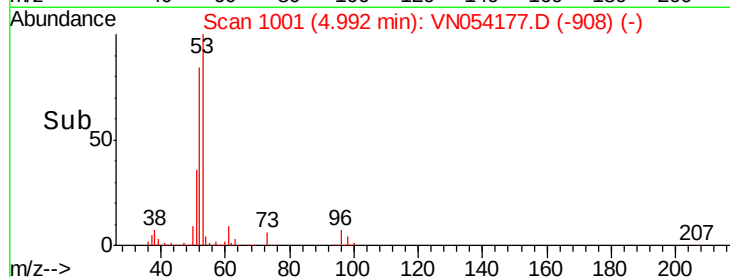
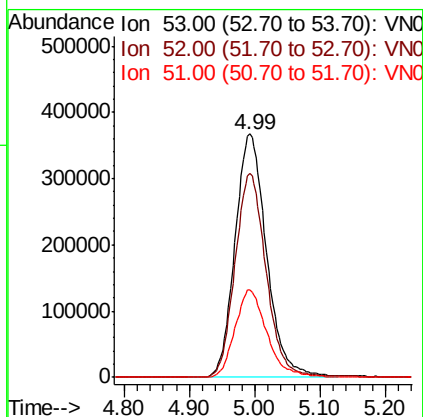
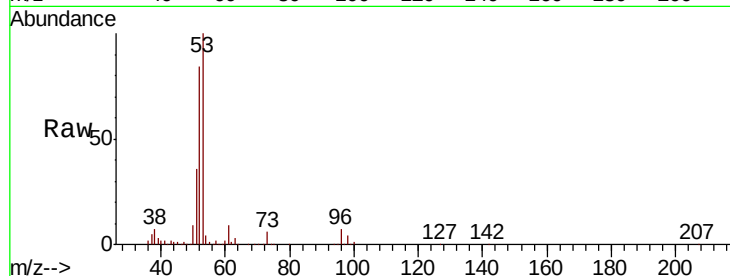
#15
 Acrylonitrile
 Concen: 270.098 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN054177.D
 Acq: 12 Mar 2019 21:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 53 Resp: 1229762
 Ion Ratio Lower Upper
 53 100
 52 82.7 66.4 99.6
 51 36.6 29.6 44.4

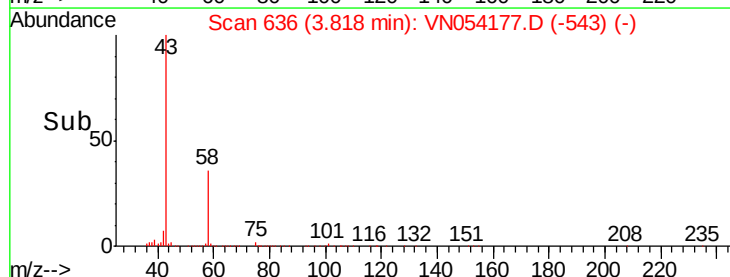
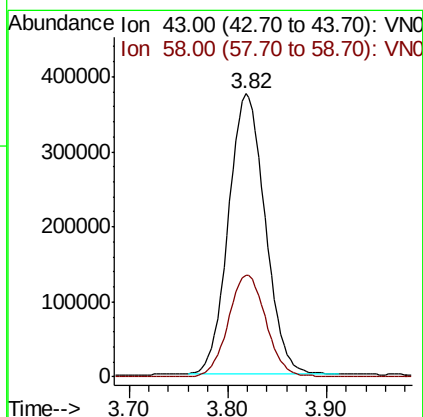
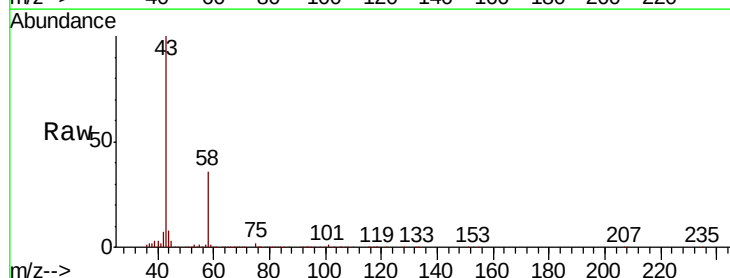
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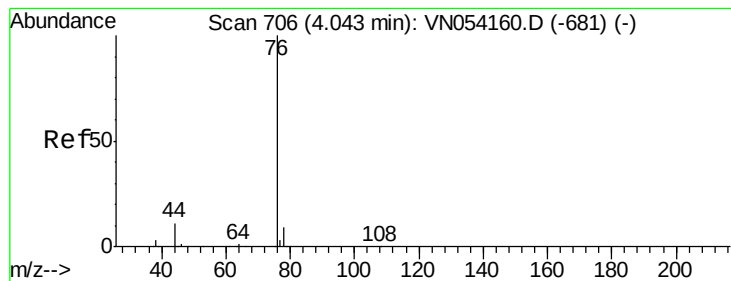
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#16
 Acetone
 Concen: 207.314 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN054177.D
 Acq: 12 Mar 2019 21:46

Tgt Ion: 43 Resp: 959734
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.9 44.9





#17

Carbon Disulfide

Concen: 50.639 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 2007827

Ion Ratio Lower Upper

76 100

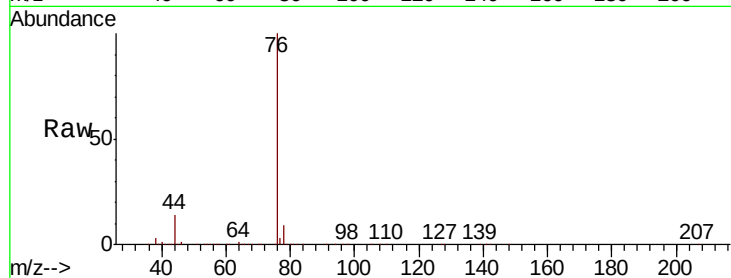
78 9.2 7.5 11.3

Manual Integrations

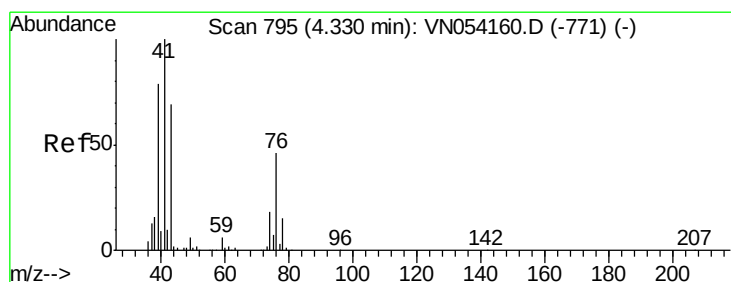
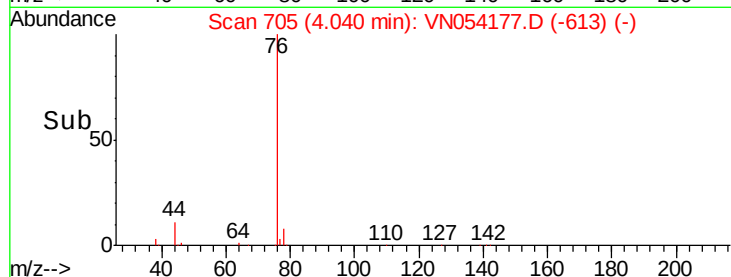
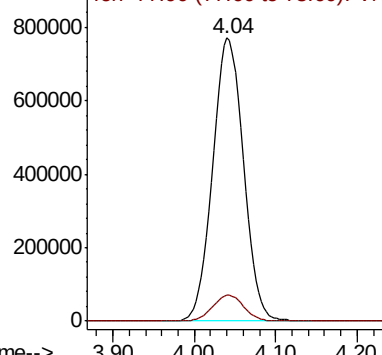
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Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 56.664 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054177.D

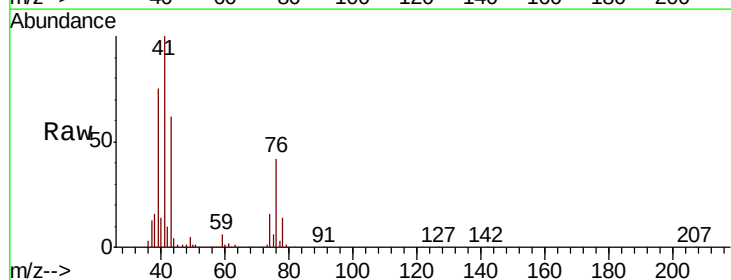
Acq: 12 Mar 2019 21:46

Tgt Ion: 43 Resp: 530717

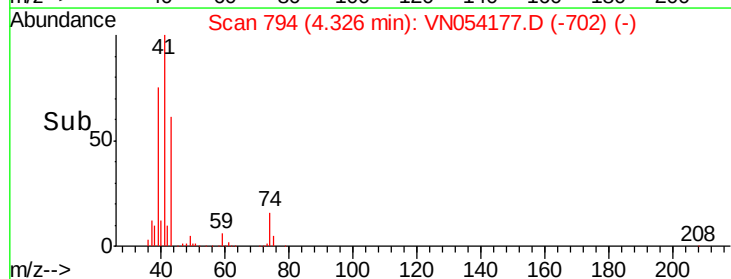
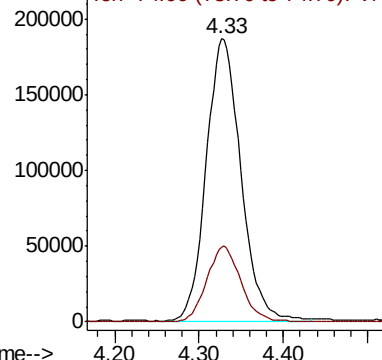
Ion Ratio Lower Upper

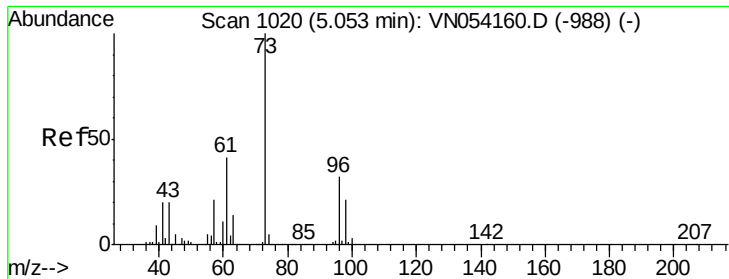
43 100

74 26.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





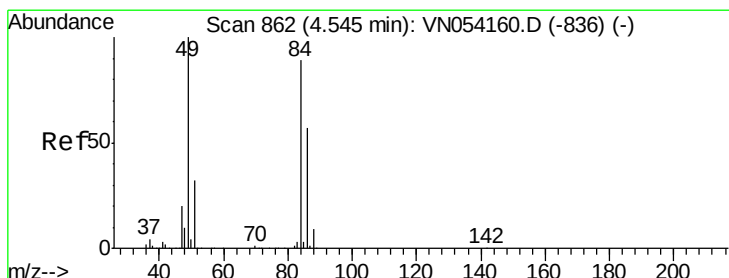
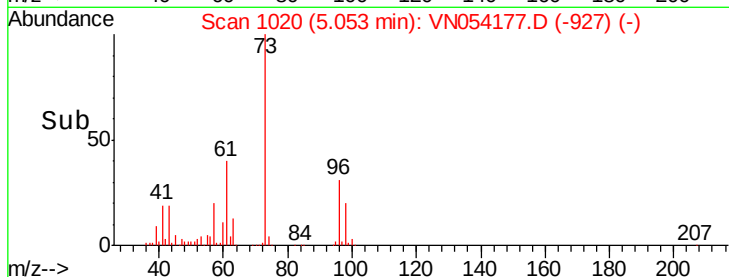
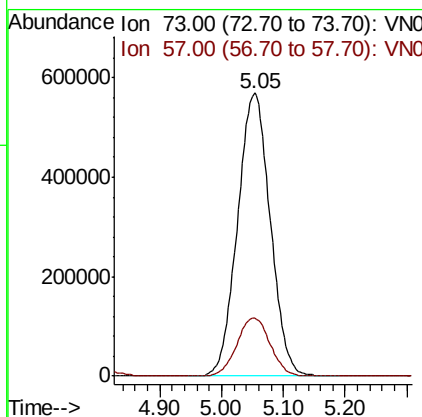
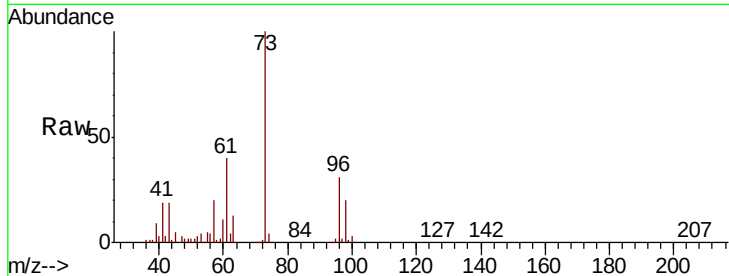
#19
Methyl tert-butyl Ether
Concen: 53.247 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 2087501
Ion Ratio Lower Upper
73 100
57 20.5 16.8 25.2

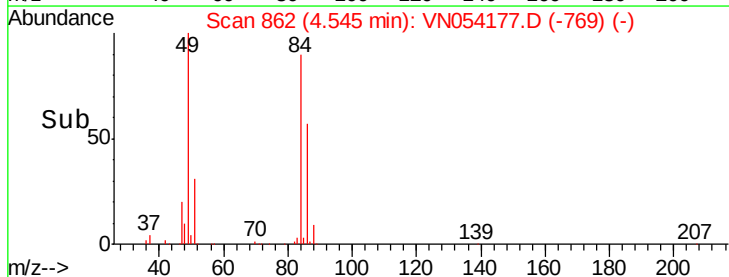
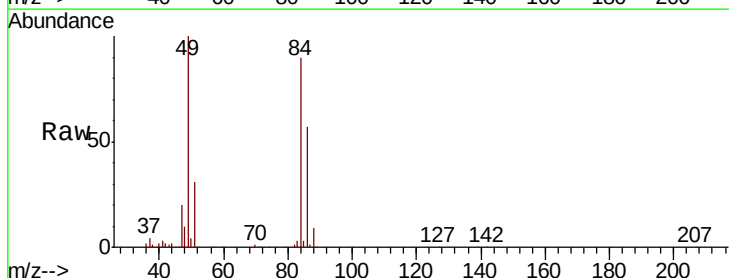
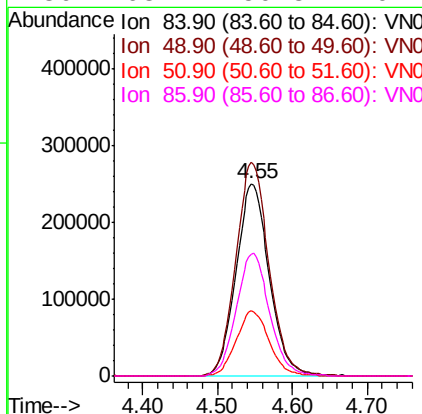
Manual Integrations
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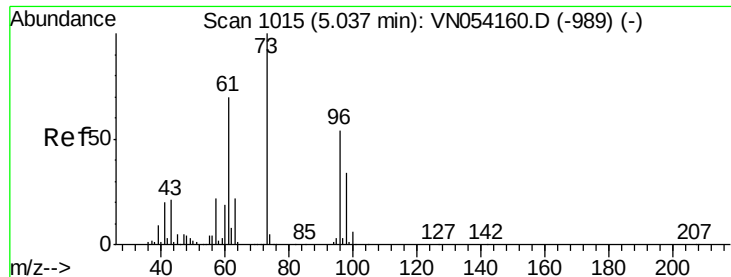
MMDadoda
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#20
Methylene Chloride
Concen: 50.726 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Tgt Ion: 84 Resp: 771078
Ion Ratio Lower Upper
84 100
49 111.2 89.7 134.5
51 34.0 28.2 42.4
86 63.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 50.807 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

MSVOA_N

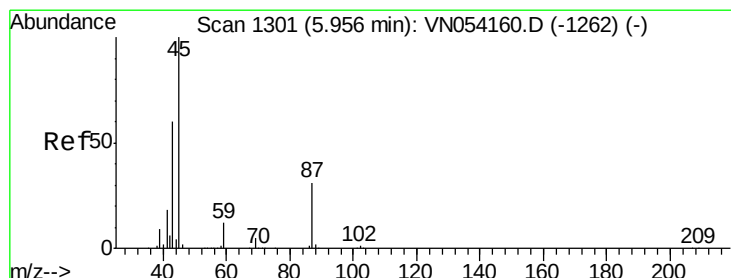
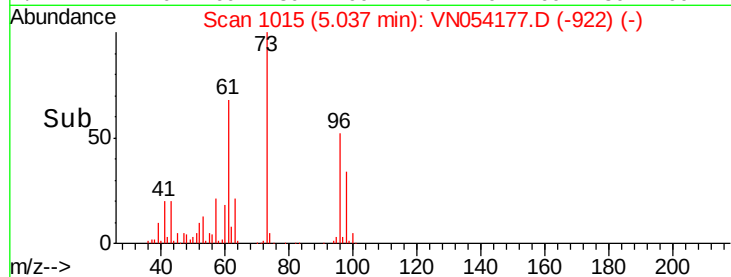
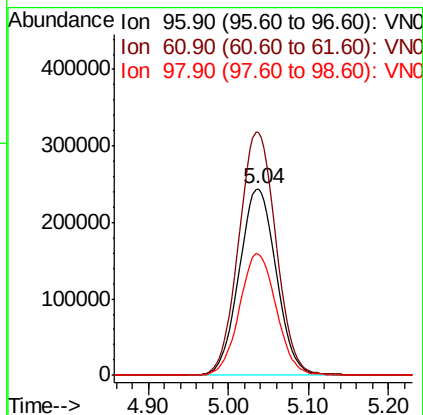
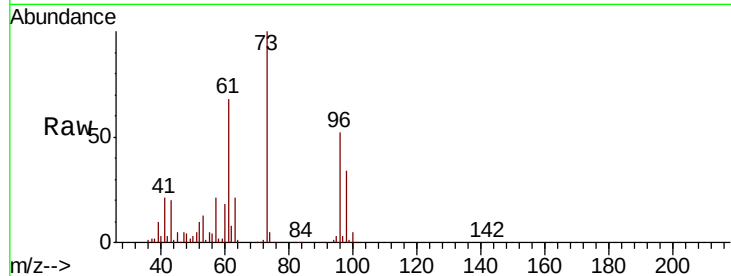
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	769941
Ion	Ratio	Lower	Upper
96	100		
61	130.4	102.8	154.2
98	65.1	50.0	75.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.789 ug/l

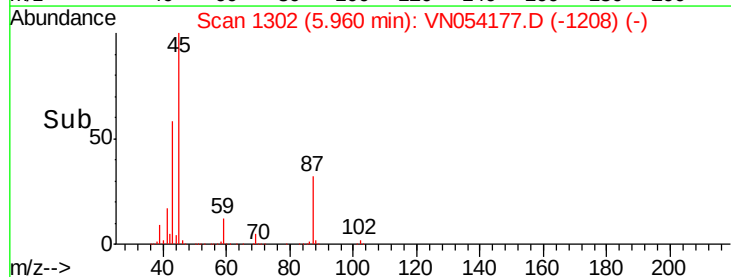
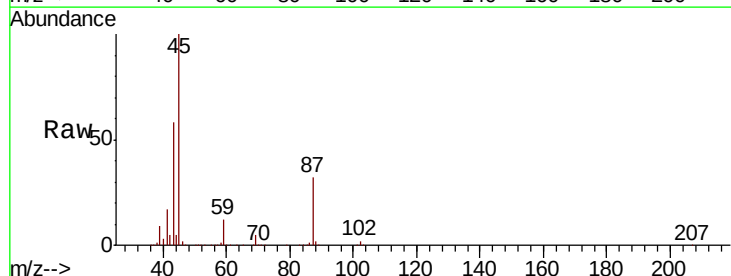
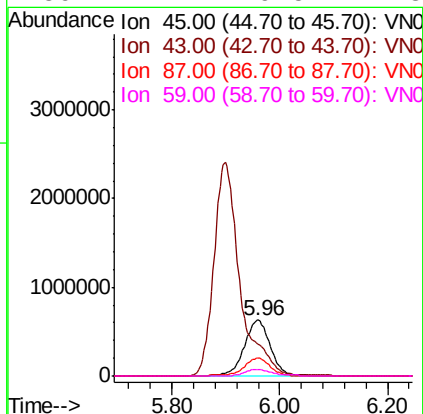
RT: 5.96 min Scan# 1302

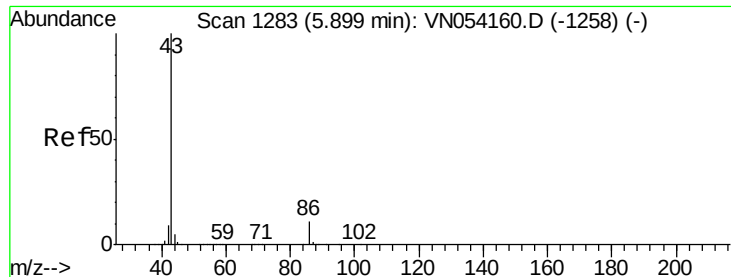
Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Tgt Ion:	45	Resp:	2138037
Ion	Ratio	Lower	Upper
45	100		
43	57.5	48.2	72.2
87	31.3	24.9	37.3
59	11.7	9.5	14.3





#23

Vinyl Acetate

Concen: 270.202 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 8068755

Ion Ratio Lower Upper

43 100

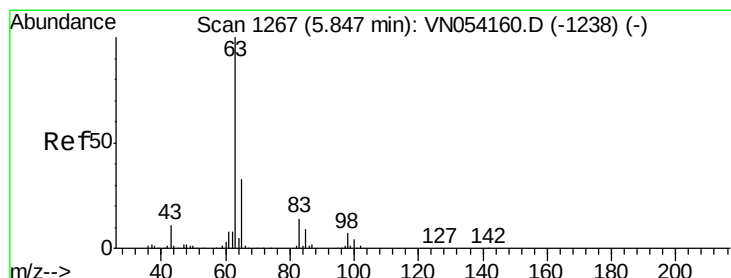
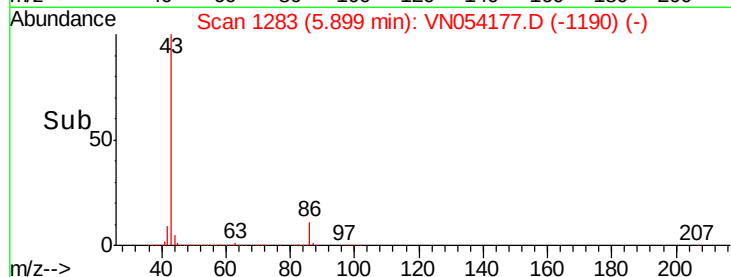
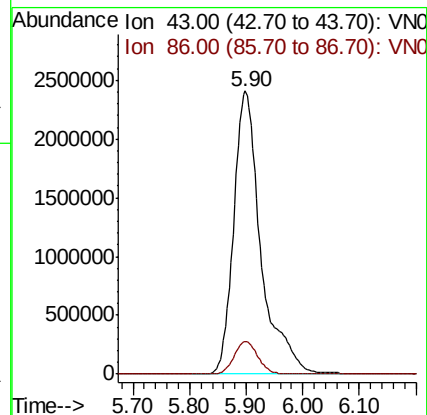
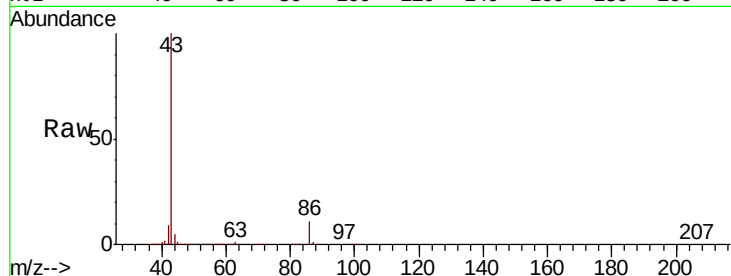
86 11.5 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.550 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

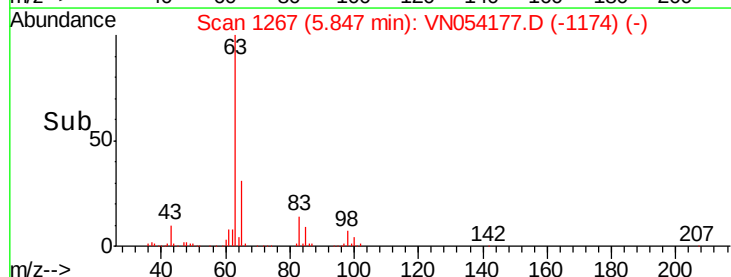
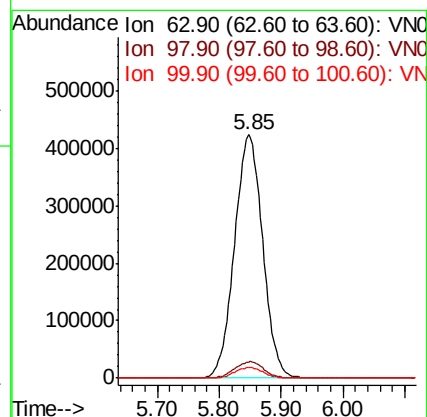
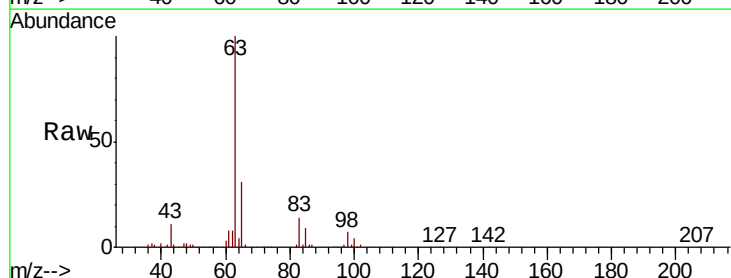
Tgt Ion: 63 Resp: 1340581

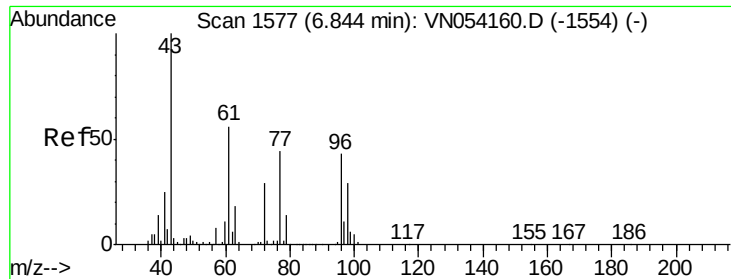
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 264.184 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1435436

Ion Ratio Lower Upper

43 100

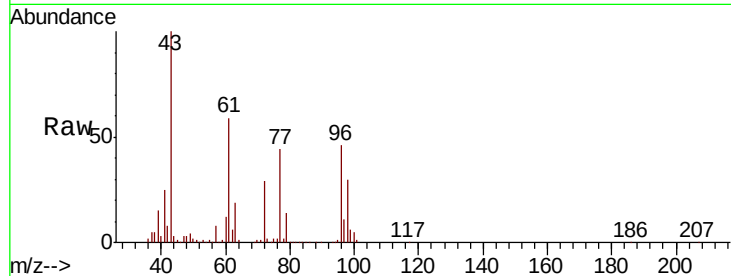
72 28.6 23.0 34.6

Manual Integrations

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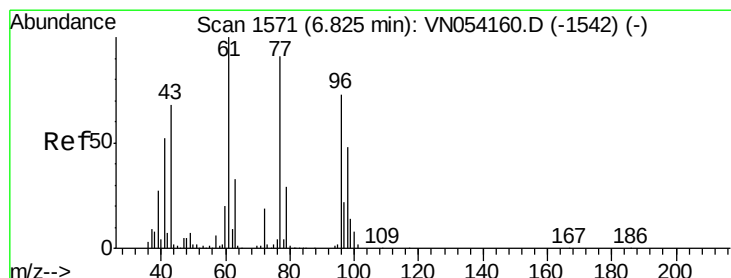
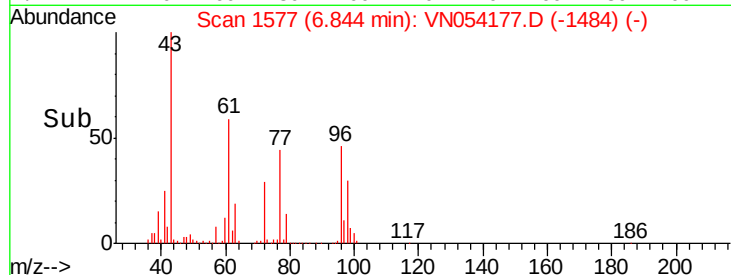
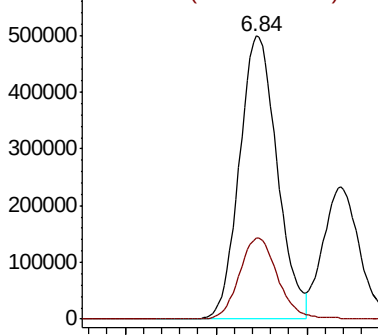
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 47.285 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054177.D

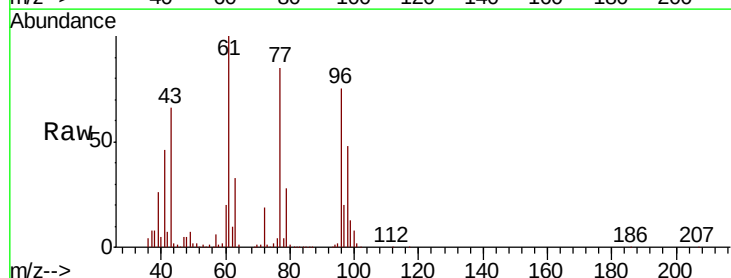
Acq: 12 Mar 2019 21:46

Tgt Ion: 77 Resp: 1081357

Ion Ratio Lower Upper

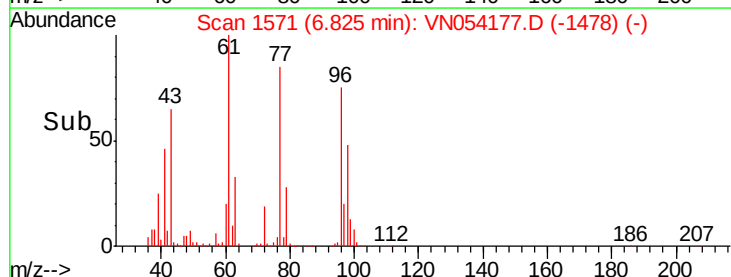
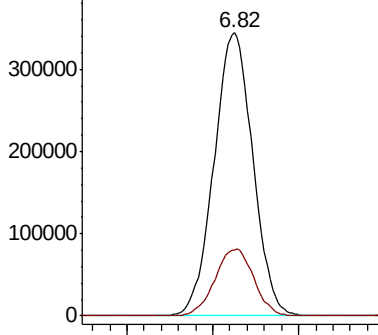
77 100

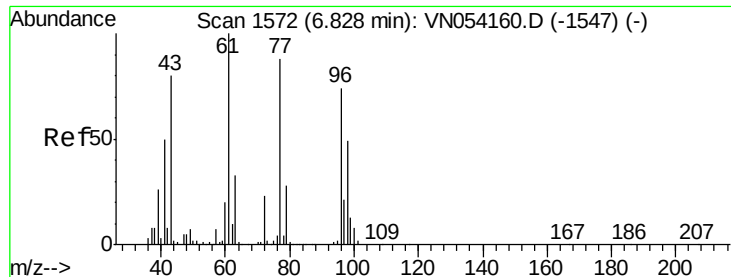
97 23.7 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 52.629 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

MSVOA_N

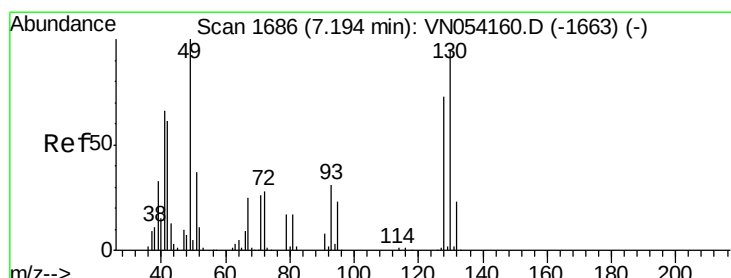
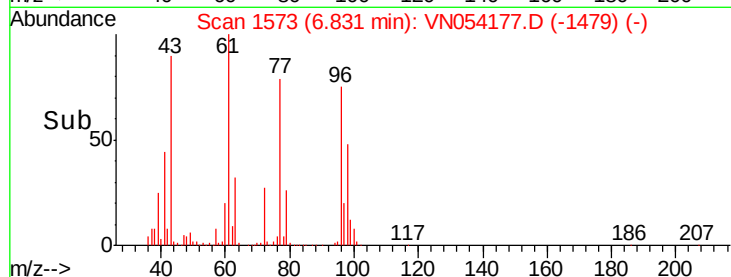
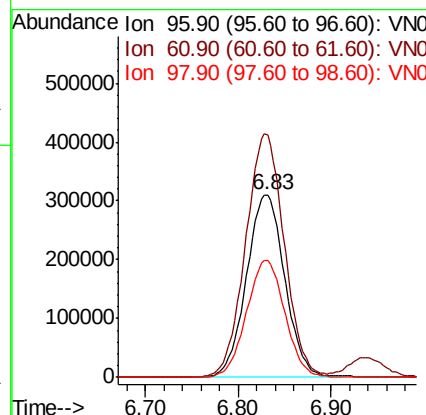
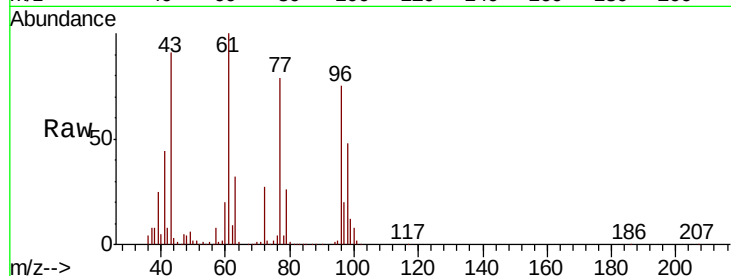
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	889769
Ion	Ratio	Lower	Upper
96	100		
61	134.7	0.0	273.0
98	64.5	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 50.690 ug/l

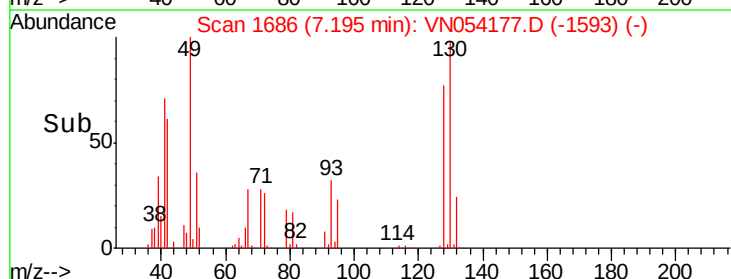
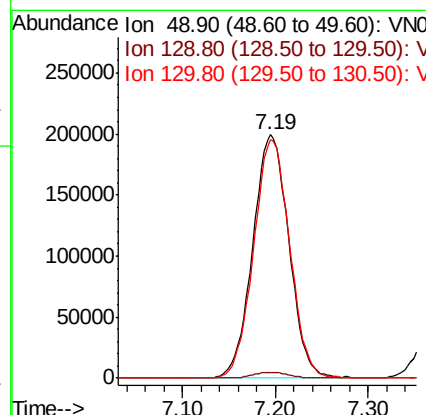
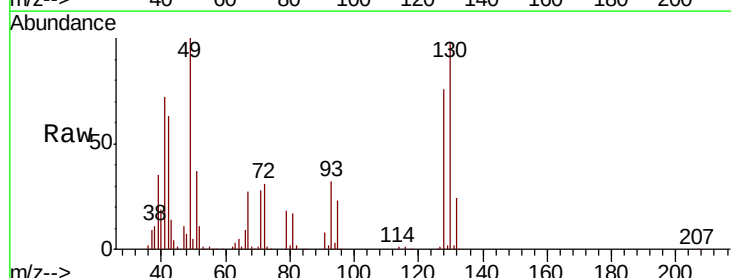
RT: 7.19 min Scan# 1686

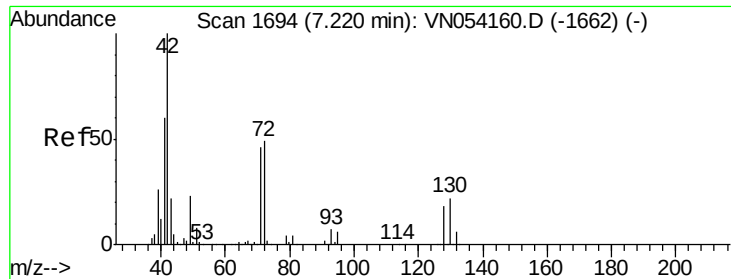
Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Tgt Ion:	49	Resp:	538901
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.6
130	97.7	76.7	115.1





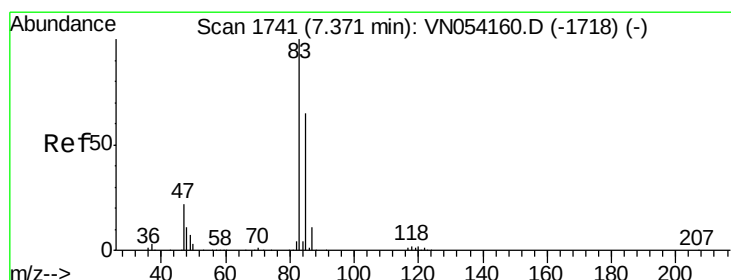
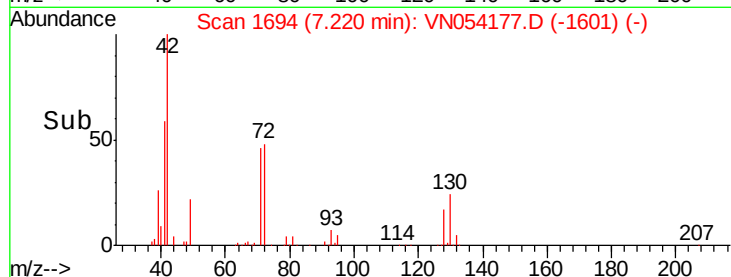
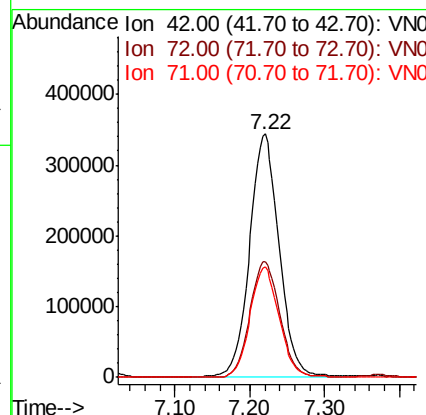
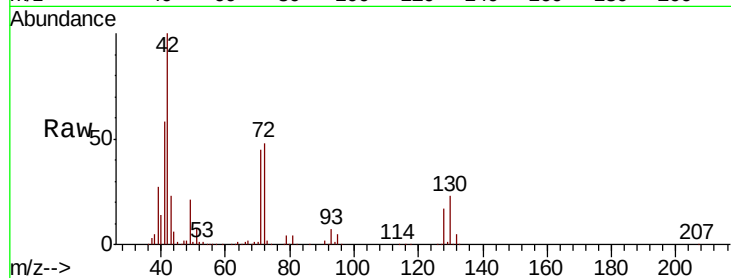
#29
Tetrahydrofuran
Concen: 269.979 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	48.1	37.8	56.6
71	44.9	36.2	54.2

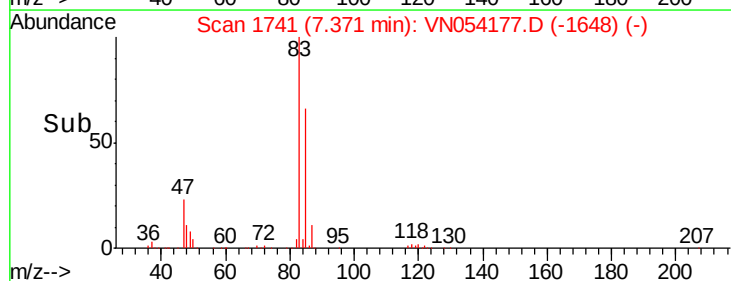
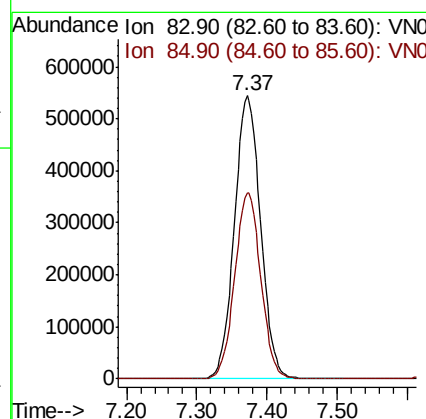
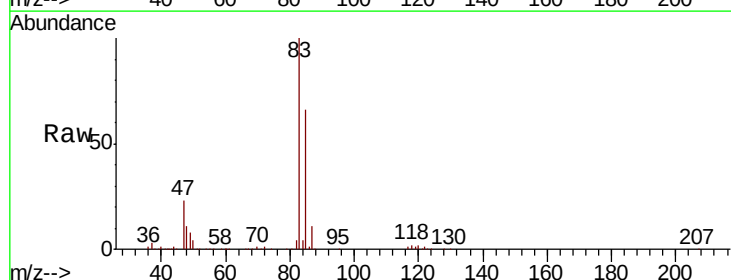
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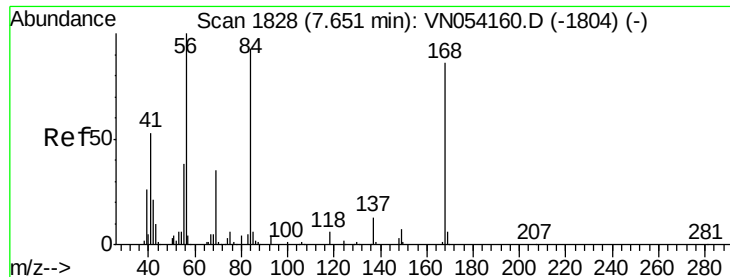
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#30
Chloroform
Concen: 52.019 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.2	78.4





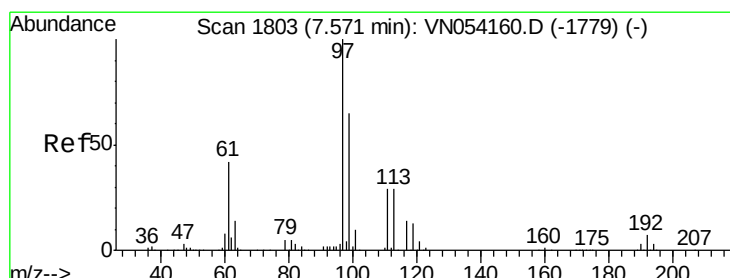
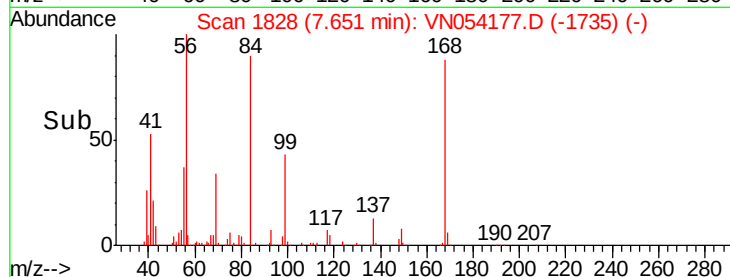
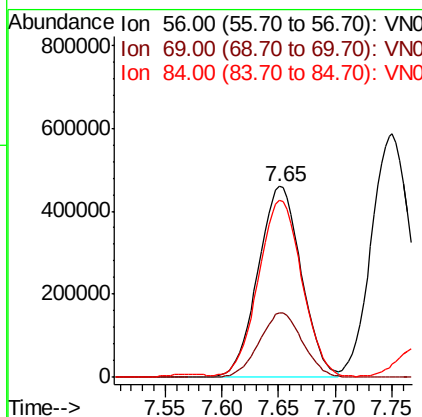
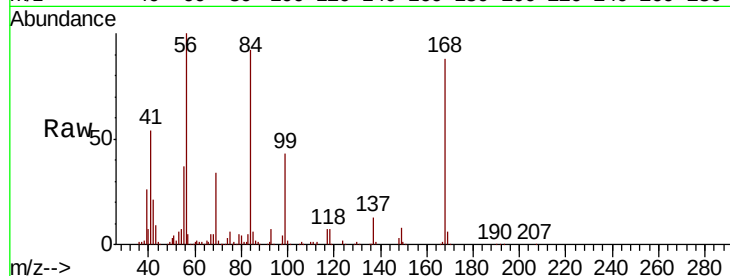
#31
Cyclohexane
Concen: 50.198 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tgt Ion: 56 Resp: 1220322
Ion Ratio Lower Upper
56 100
69 34.0 27.8 41.6
84 90.6 74.6 111.8

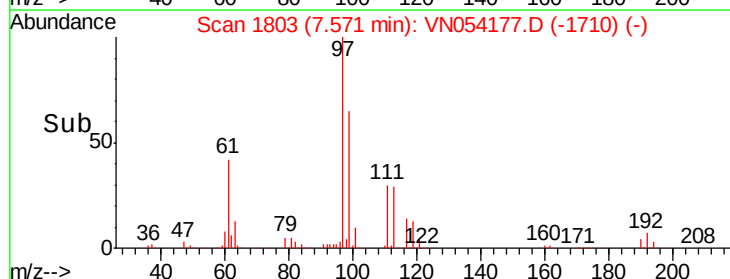
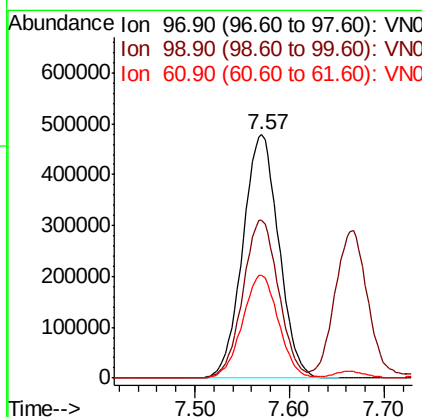
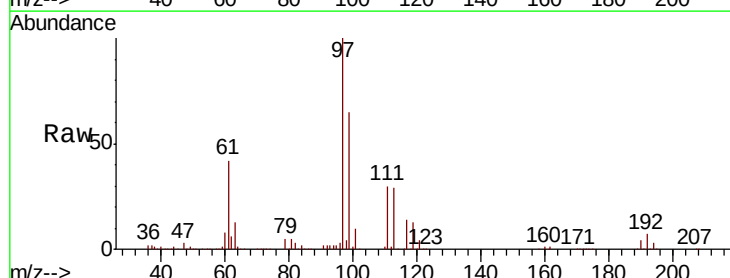
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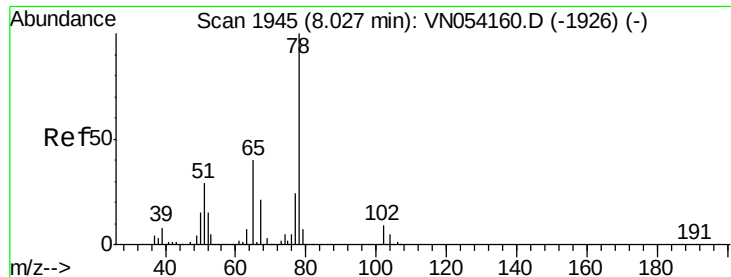
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#32
1,1,1-Trichloroethane
Concen: 51.629 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Tgt Ion: 97 Resp: 1265318
Ion Ratio Lower Upper
97 100
99 64.5 51.5 77.3
61 42.3 33.6 50.4





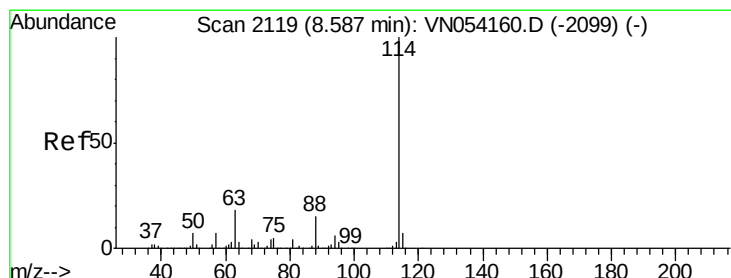
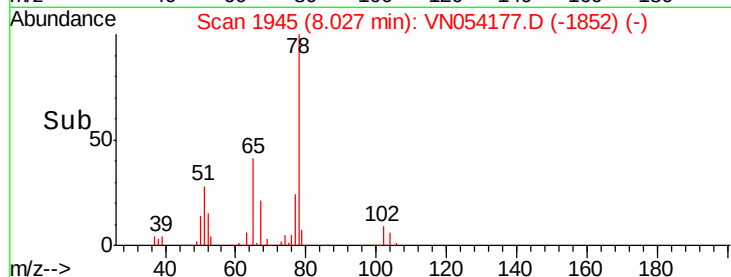
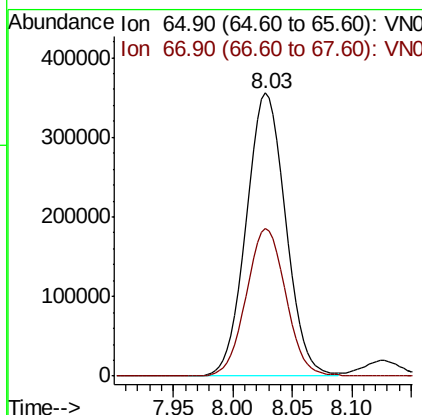
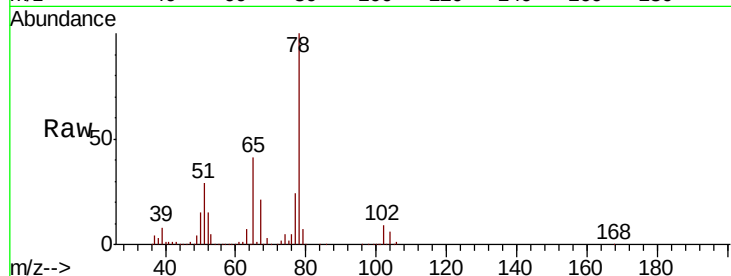
#33
 1,2-Dichloroethane-d4
 Concen: 50.584 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054177.D
 Acq: 12 Mar 2019 21:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	817867		
67	52.5	0.0	104.6	

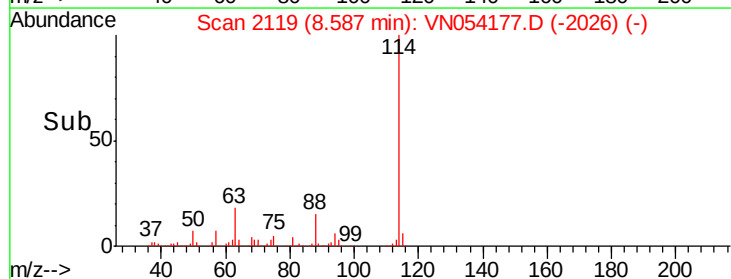
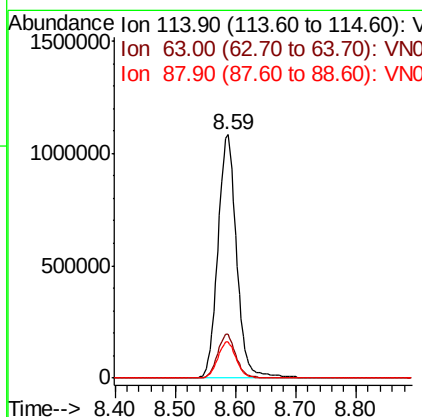
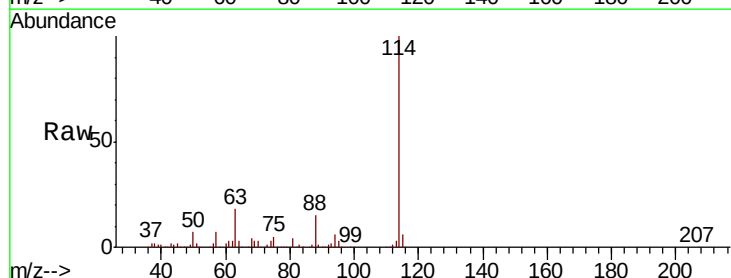
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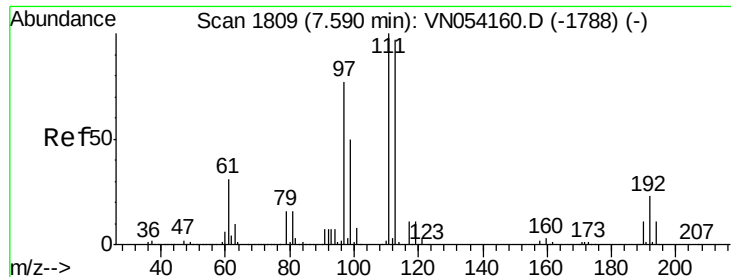
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054177.D
 Acq: 12 Mar 2019 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2303494		
63	17.8	0.0	35.2	
88	14.8	0.0	30.2	





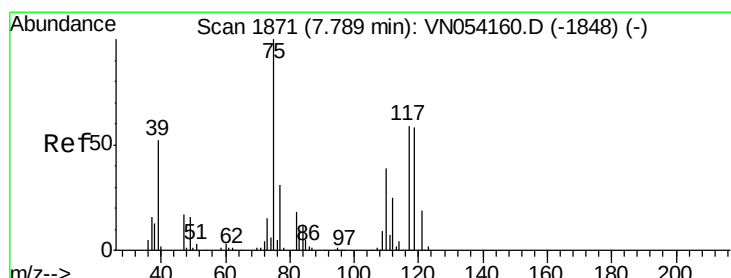
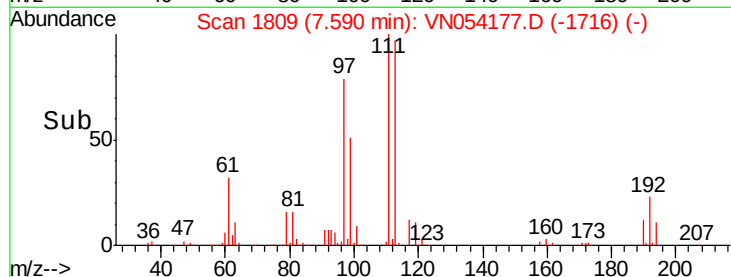
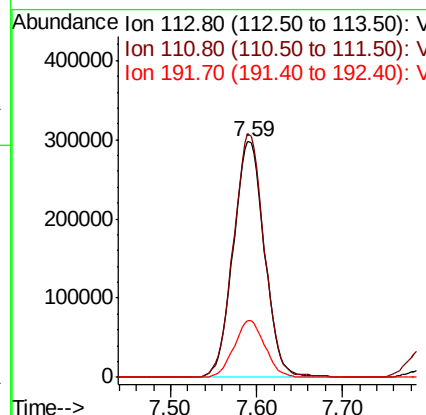
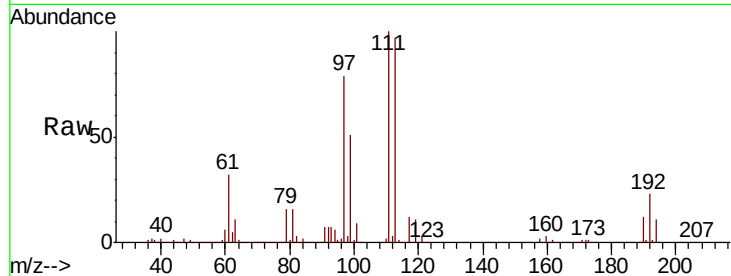
#35
Dibromofluoromethane
Concen: 50.416 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.4
192	23.8	19.2	28.8

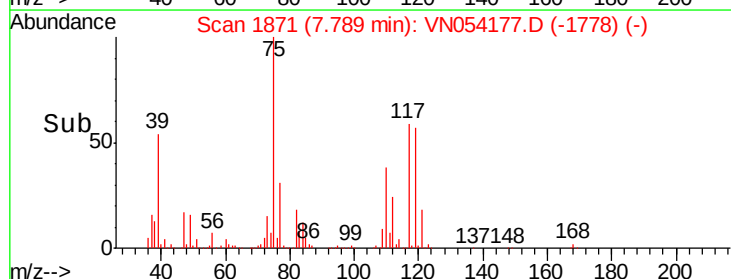
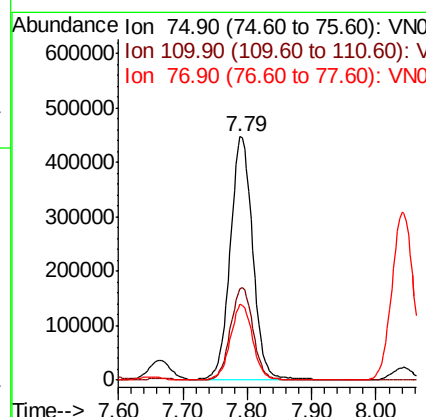
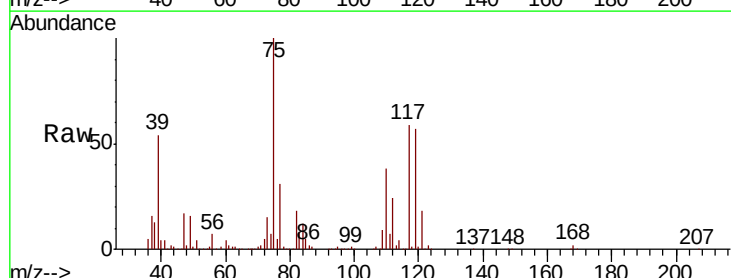
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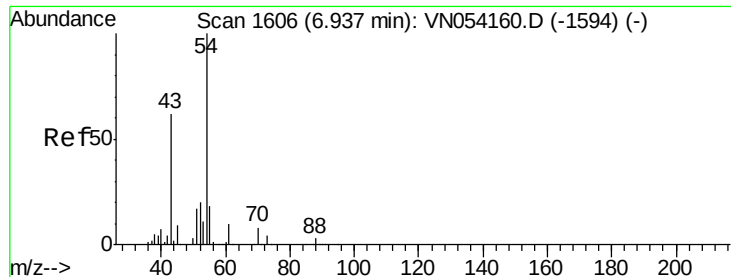
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#36
1,1-Dichloropropene
Concen: 51.135 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.9	19.1	57.5
77	31.0	25.0	37.4





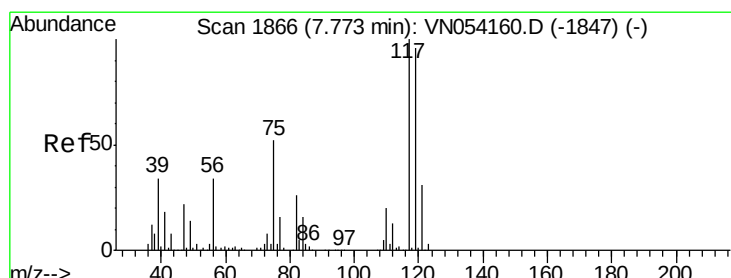
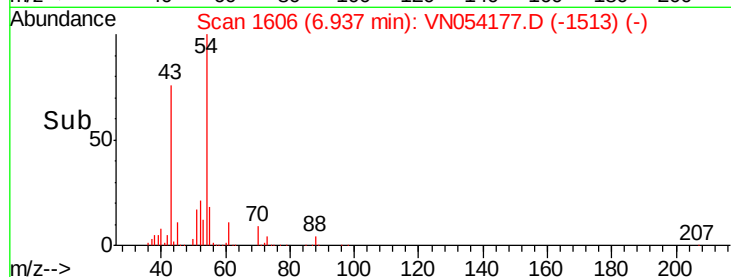
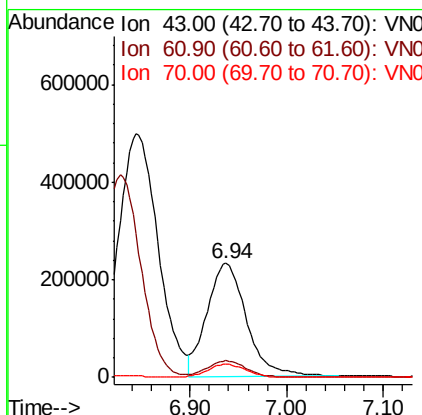
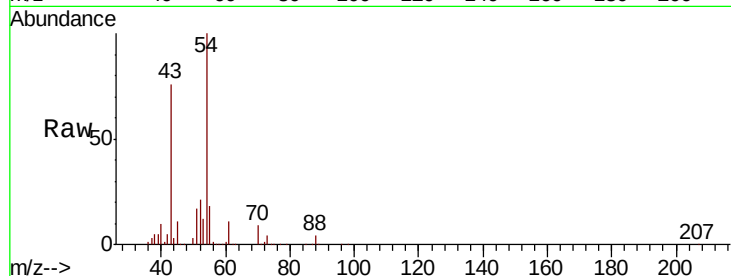
#37
Ethyl Acetate
Concen: 53.749 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.6
70	11.2	8.4	12.6

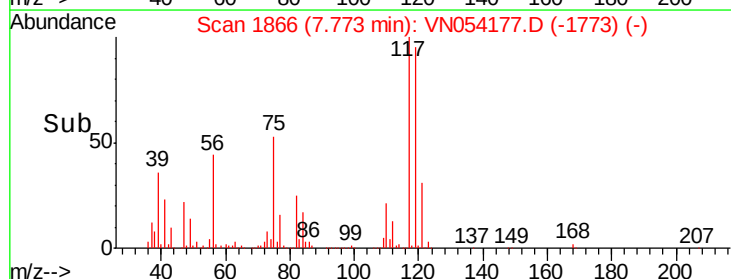
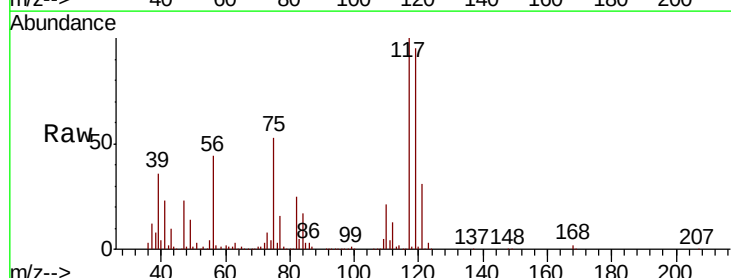
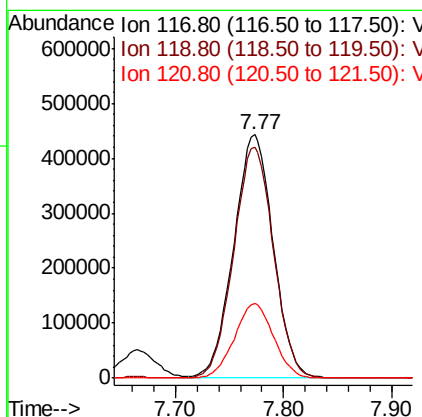
Manual Integrations
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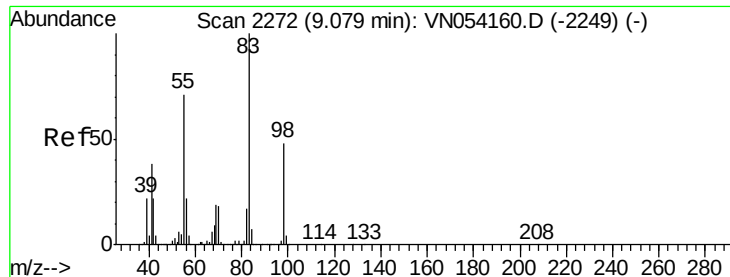
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#38
Carbon Tetrachloride
Concen: 50.545 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.3	114.5
121	30.9	24.6	36.8





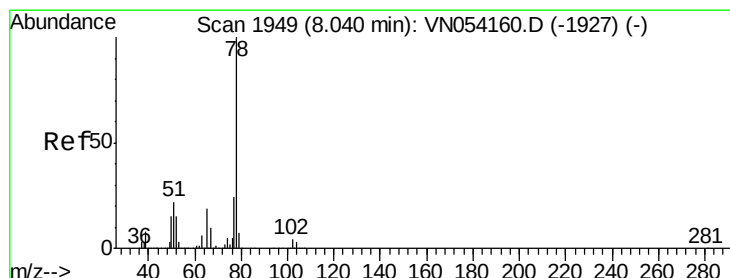
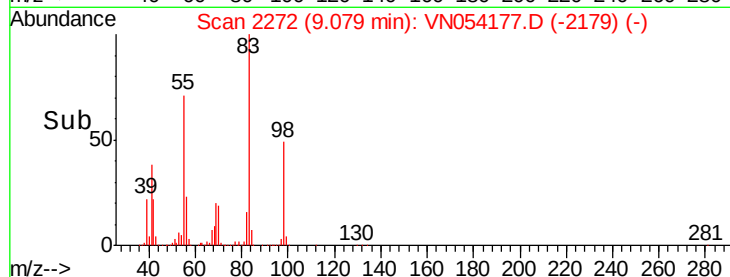
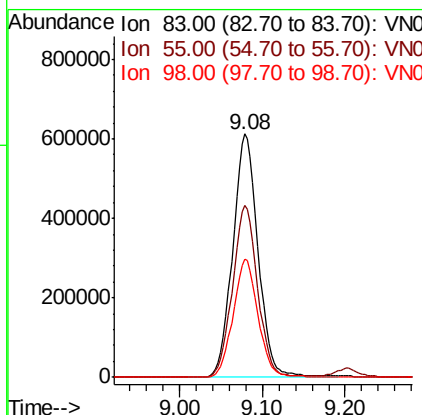
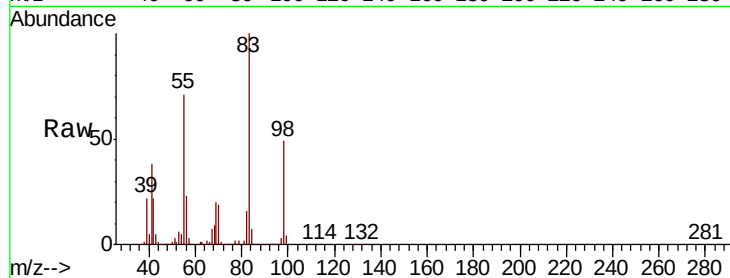
#39
Methylcyclohexane
Concen: 49.925 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 1303066
Ion Ratio Lower Upper
83 100
55 70.7 56.6 84.8
98 48.6 38.4 57.6

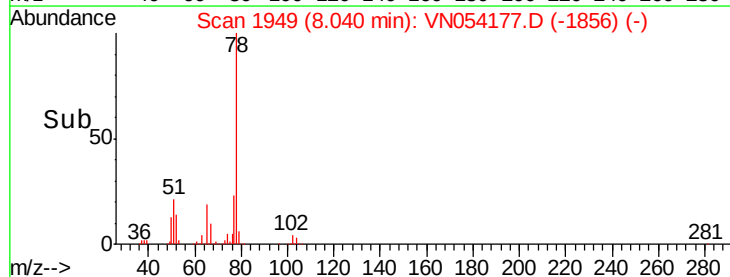
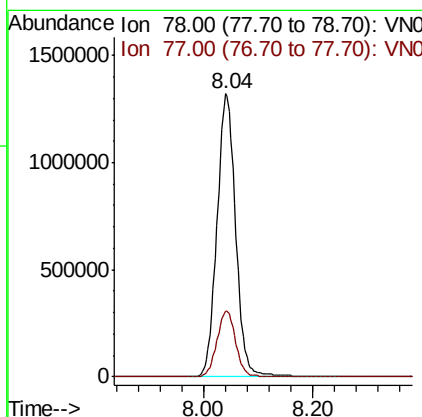
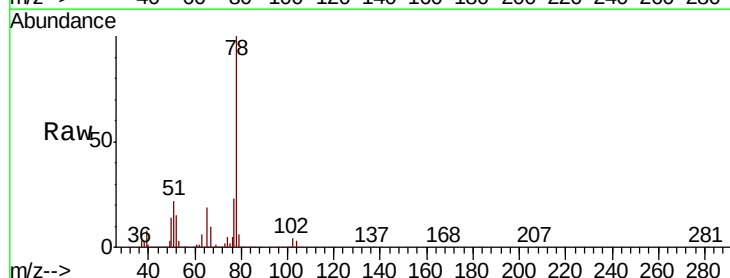
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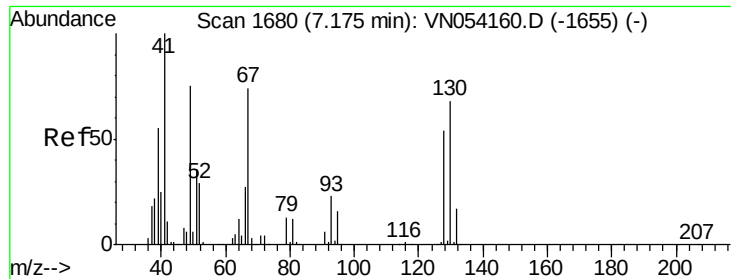
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#40
Benzene
Concen: 51.498 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Tgt Ion: 78 Resp: 3126098
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7





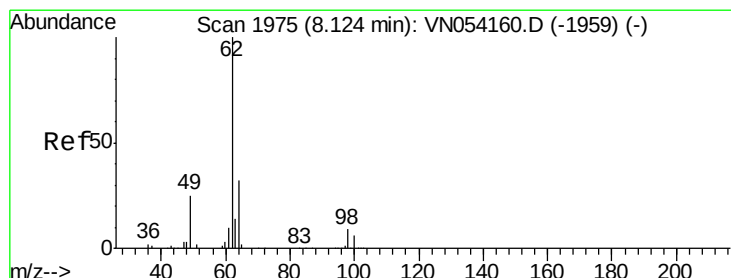
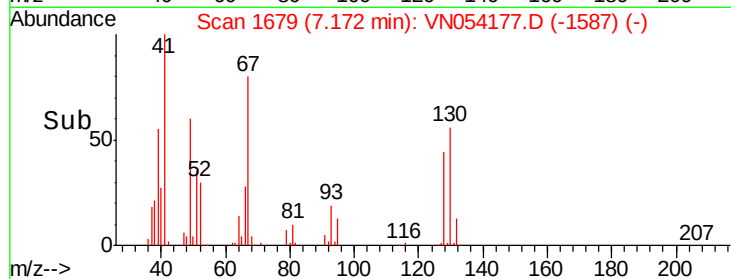
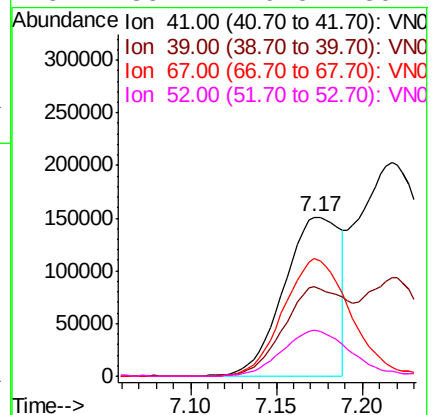
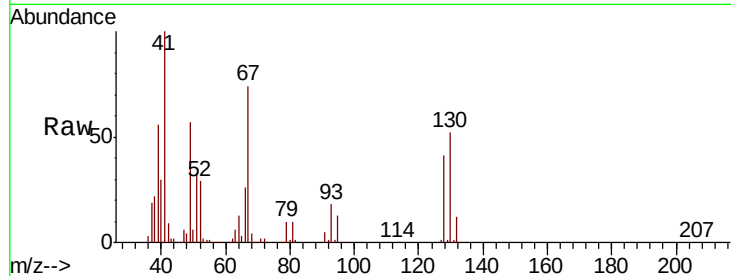
#41
Methacrylonitrile
Concen: 48.974 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.2	46.8	70.2
67	89.8	67.0	100.4
52	35.2	26.5	39.7

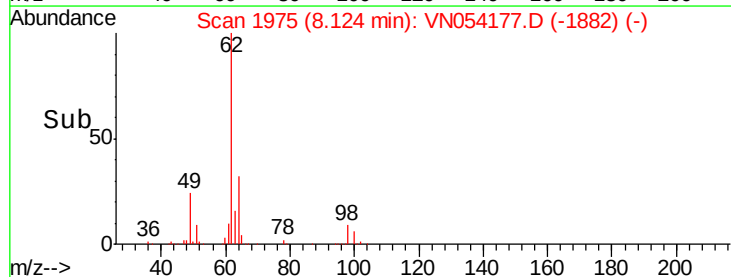
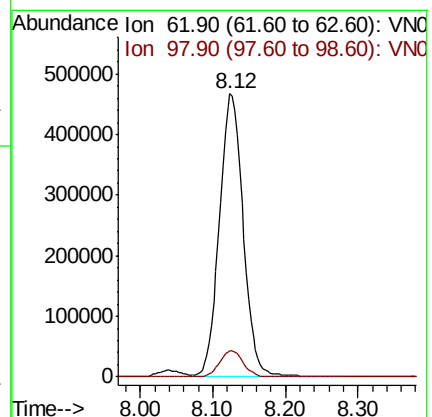
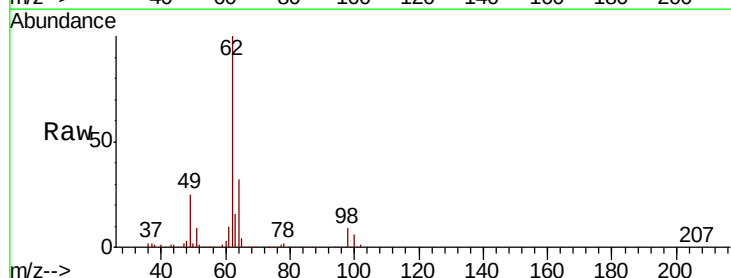
Manual Integrations
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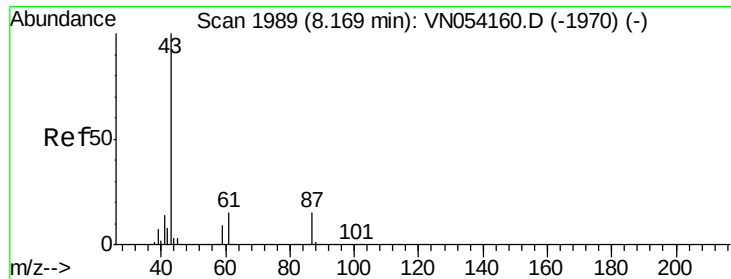
MMDadoda
3/13/2019 11:41:38 AM



#42
1,2-Dichloroethane
Concen: 51.706 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4





#43

Isopropyl Acetate

Concen: 53.390 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1142269

Ion Ratio Lower Upper

43 100

61 20.6 15.8 23.8

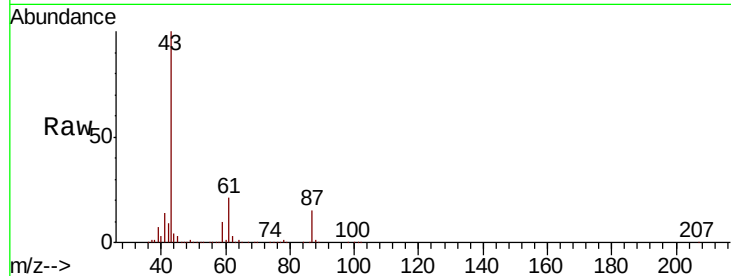
87 15.1 12.0 18.0

Manual Integrations

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MMDadoda

3/13/2019 11:41:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN054160.D (-1970) (-)

8.17

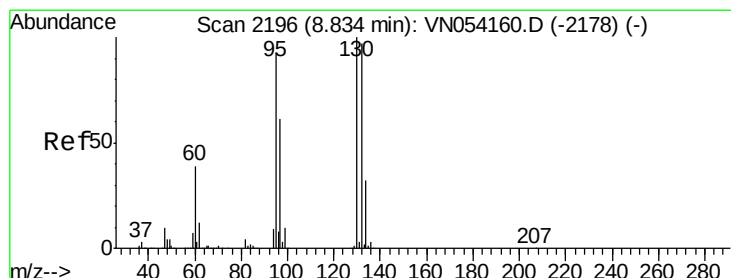
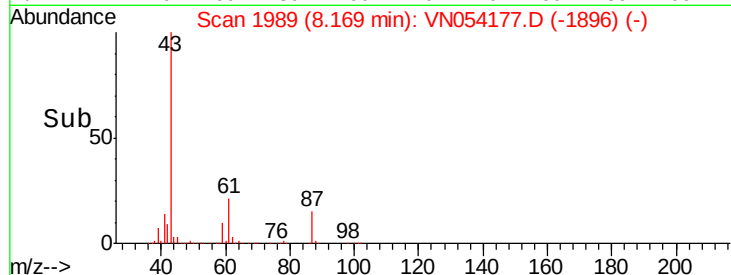
400000

200000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 50.713 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054177.D

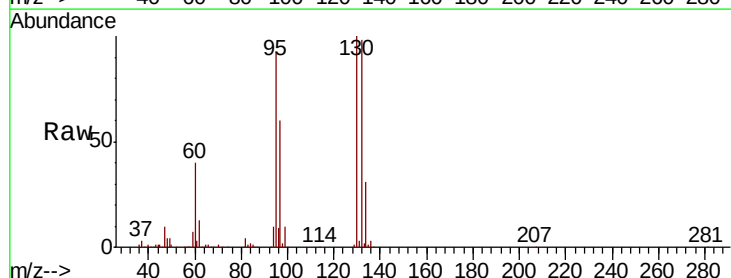
Acq: 12 Mar 2019 21:46

Tgt Ion: 130 Resp: 956318

Ion Ratio Lower Upper

130 100

95 93.5 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054160.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN054160.D (-2178) (-)

8.83

500000

400000

300000

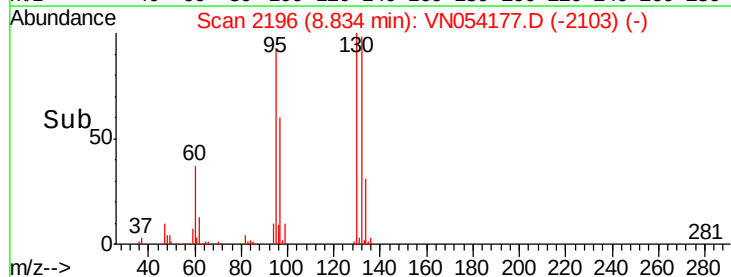
200000

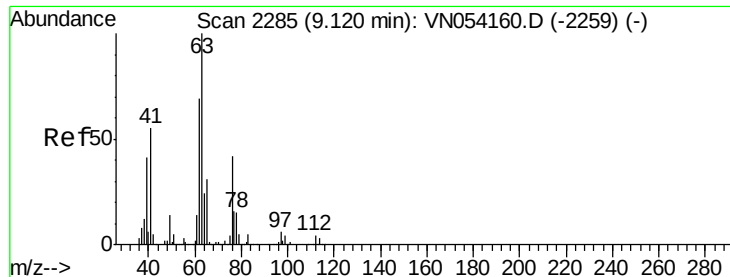
100000

0

8.80 8.90

Time-->





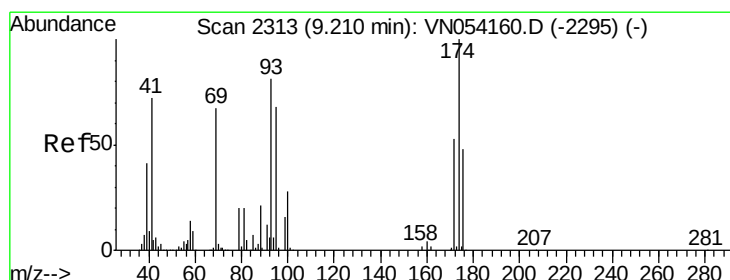
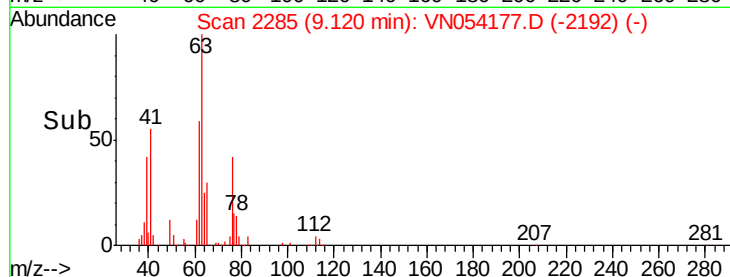
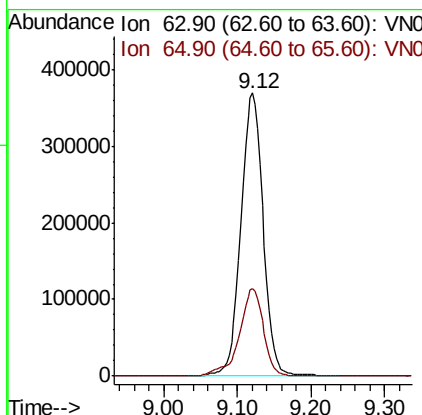
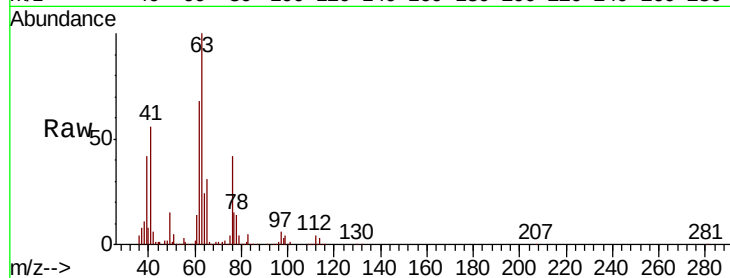
#45
 1,2-Dichloropropane
 Concen: 51.686 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054177.D
 Acq: 12 Mar 2019 21:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 779080
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.6

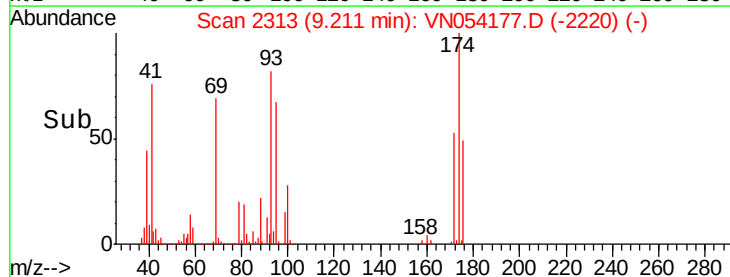
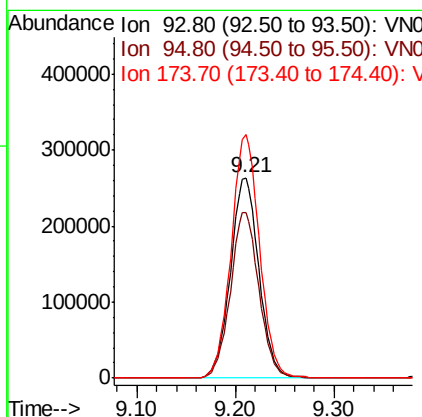
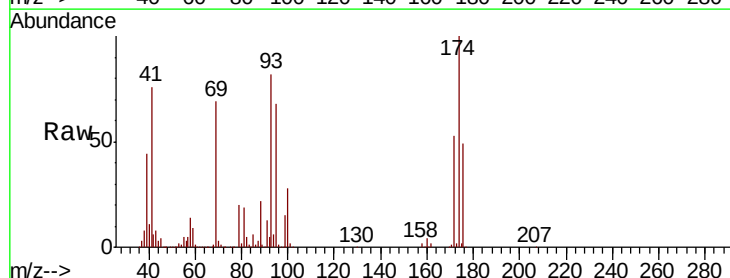
Manual Integrations
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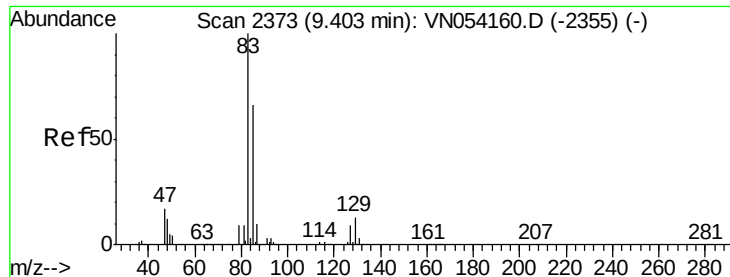
MMDadoda
 3/13/2019 11:41:38 AM



#46
 Dibromomethane
 Concen: 52.038 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054177.D
 Acq: 12 Mar 2019 21:46

Tgt Ion: 93 Resp: 529973
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.7 100.1
 174 121.3 98.5 147.7





#47

Bromodichloromethane

Concen: 52.862 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 1079293

Ion Ratio Lower Upper

83 100

85 64.3 52.8 79.2

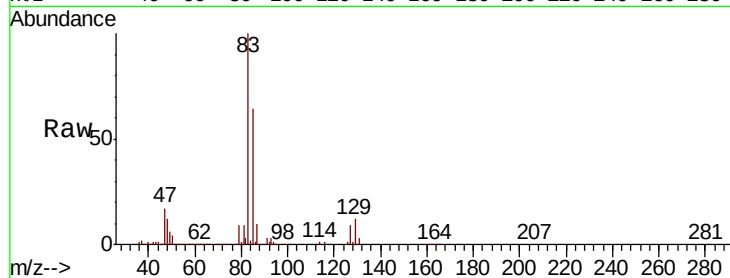
127 9.4 7.4 11.2

Manual Integrations

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MMDadoda

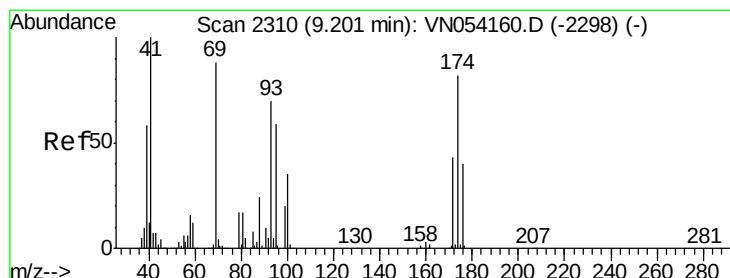
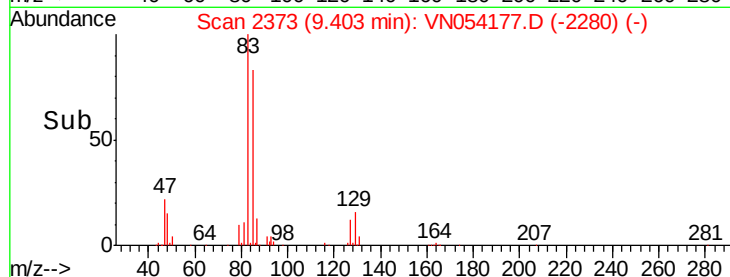
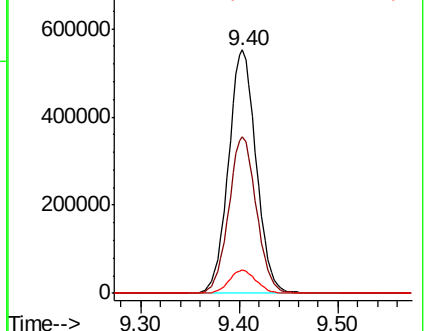
3/13/2019 11:41:38 AM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 53.142 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

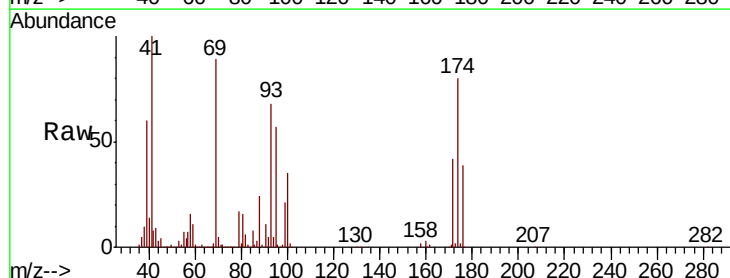
Tgt Ion: 41 Resp: 576993

Ion Ratio Lower Upper

41 100

69 95.2 72.6 108.8

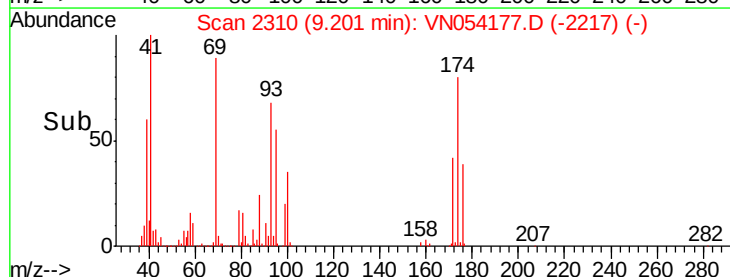
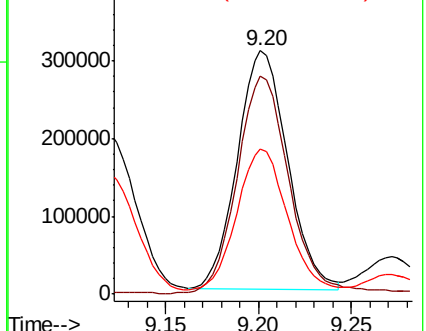
39 62.4 47.5 71.3

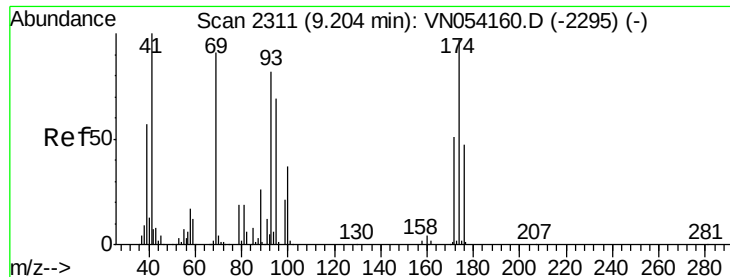


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





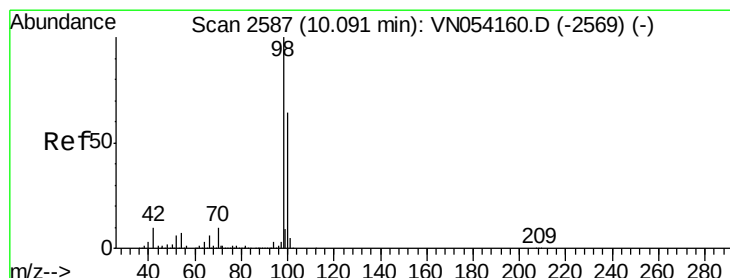
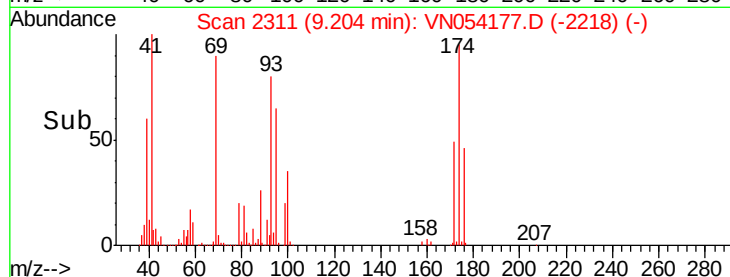
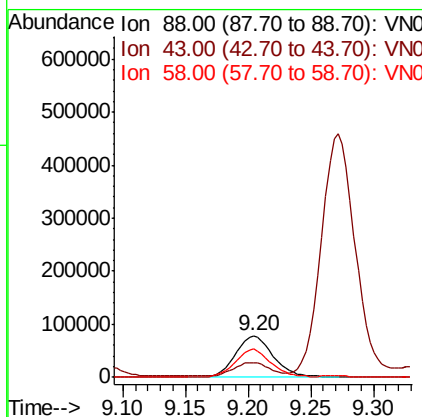
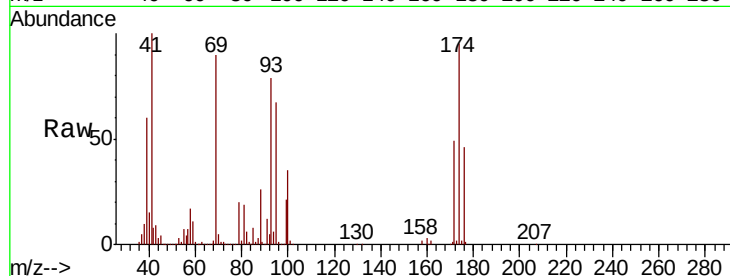
#49
1,4-Dioxane
Concen: 1068.453 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.8	24.1	36.1
58	63.9	50.8	76.2

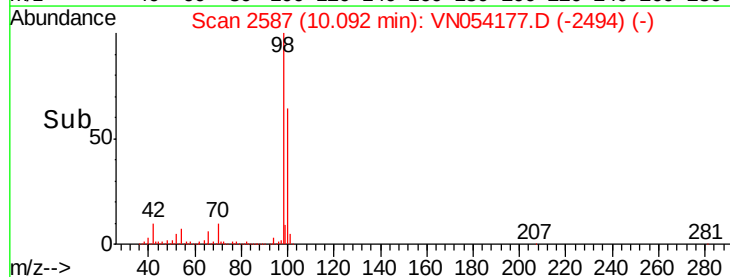
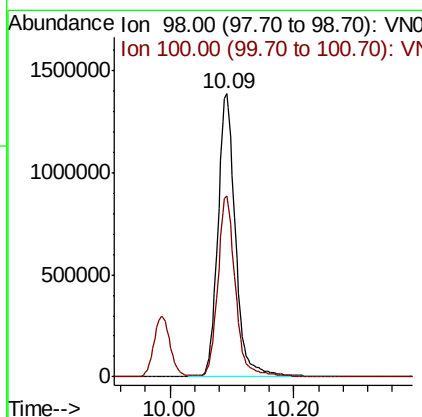
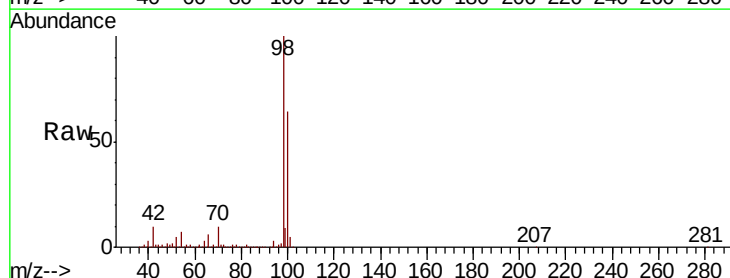
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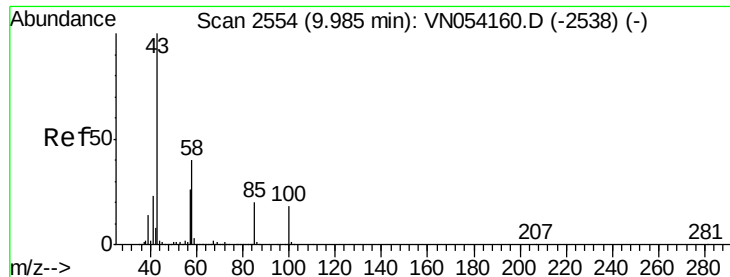
MMDadoda
3/13/2019 11:41:38 AM



#50
Toluene-d8
Concen: 49.956 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 279.796 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 3167928

Ion Ratio Lower Upper

43 100

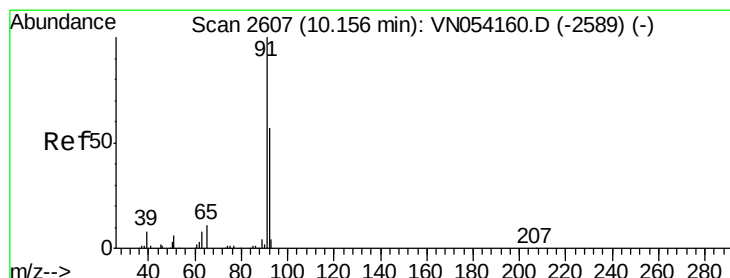
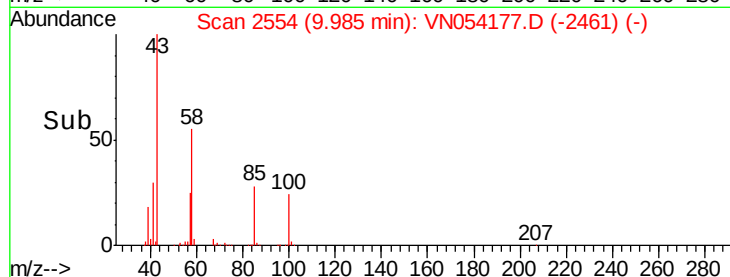
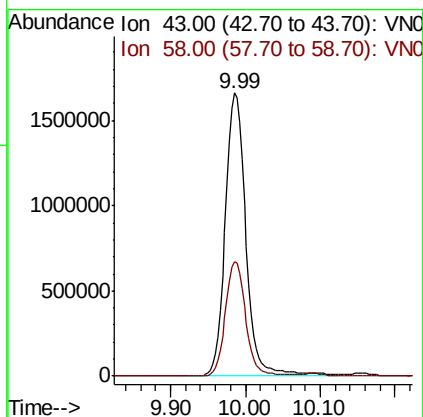
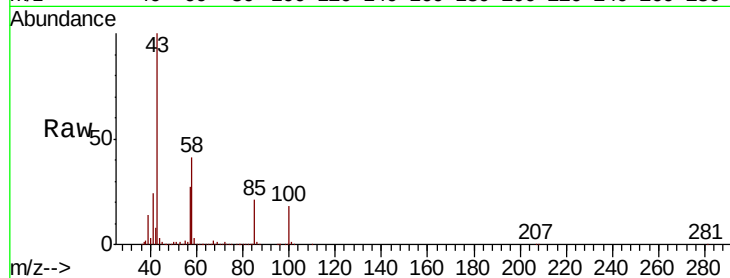
58 40.0 31.8 47.6

Manual Integrations

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MMDadoda

3/13/2019 11:41:38 AM



#52

Toluene

Concen: 51.980 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054177.D

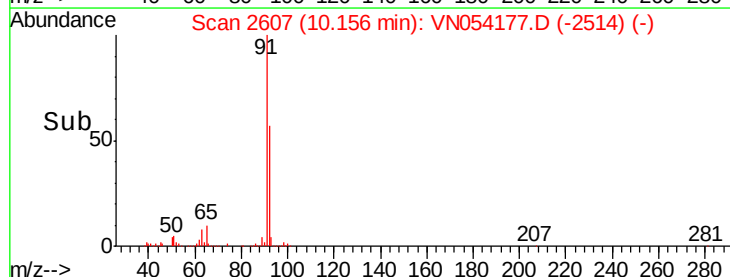
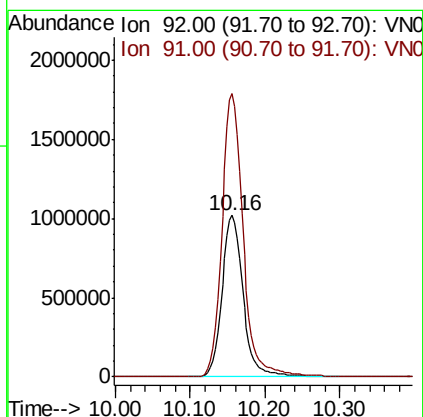
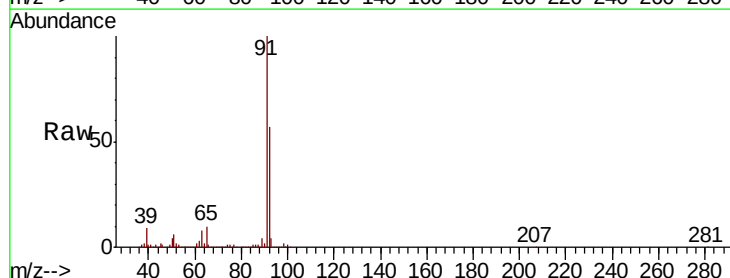
Acq: 12 Mar 2019 21:46

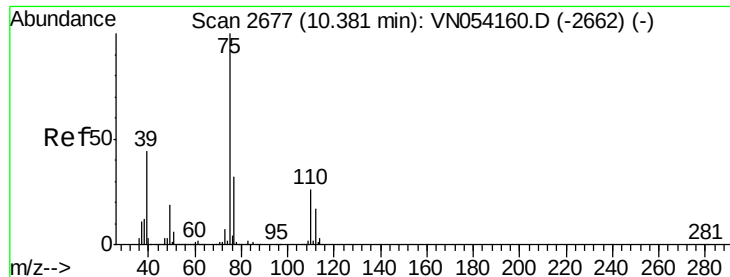
Tgt Ion: 92 Resp: 2000713

Ion Ratio Lower Upper

92 100

91 175.4 140.7 211.1





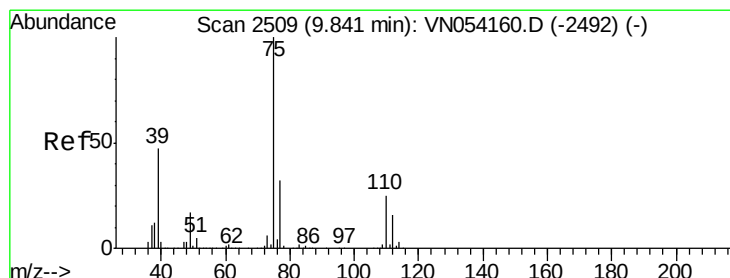
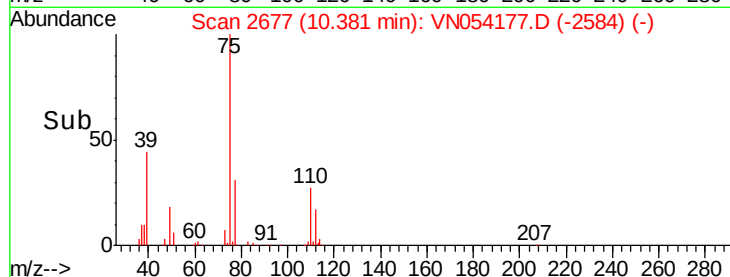
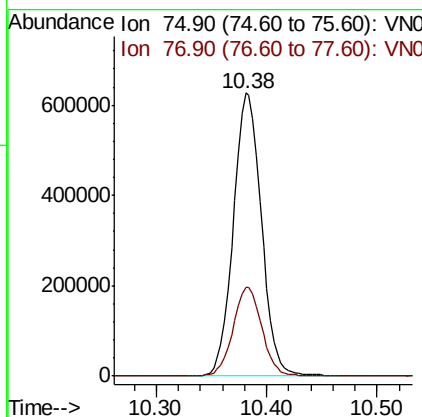
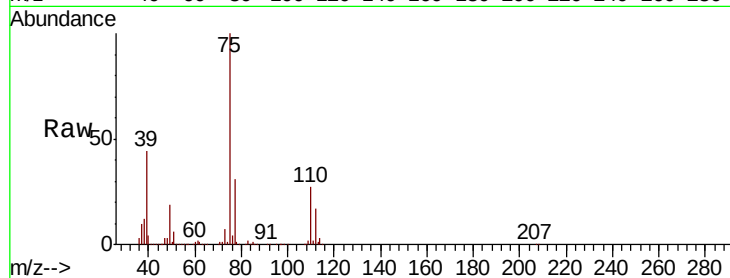
#53
t-1,3-Dichloroprene
Concen: 47.507 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tgt Ion: 75 Resp: 1106994
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.8

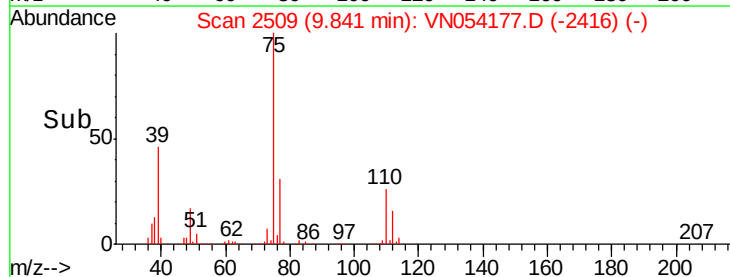
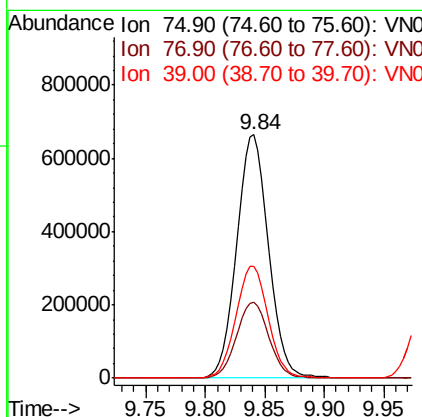
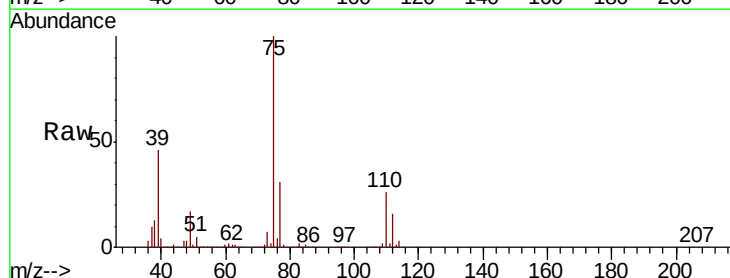
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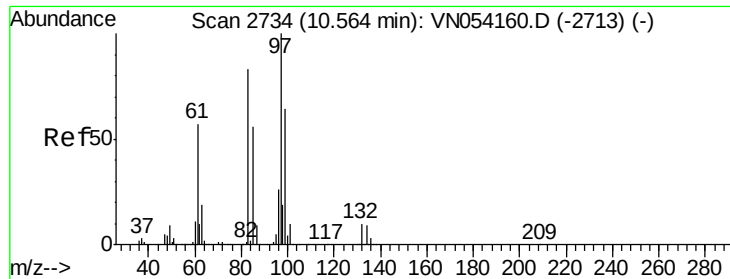
MMDadoda
3/13/2019 11:41:38 AM



#54
cis-1,3-Dichloroprene
Concen: 51.771 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Tgt Ion: 75 Resp: 1231759
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.0
39 46.0 37.2 55.8





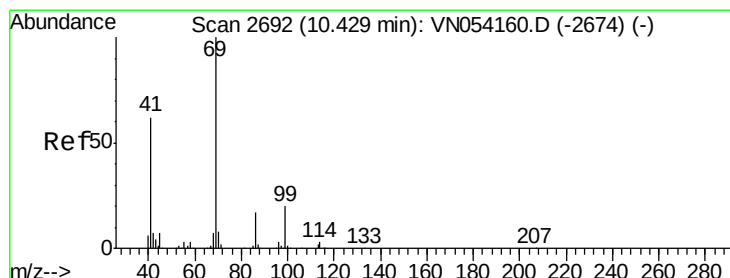
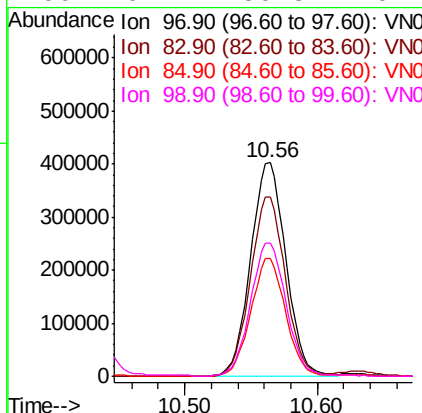
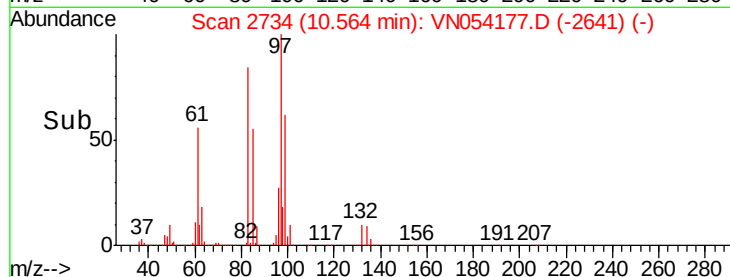
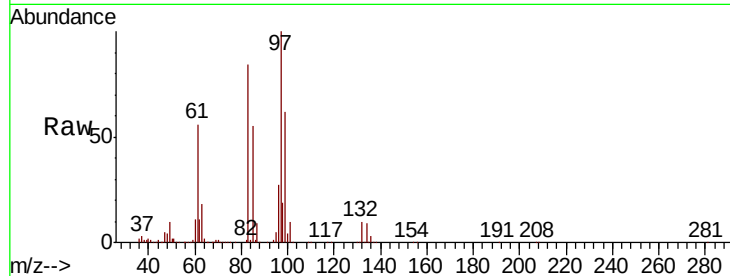
#55
 1,1,2-Trichloroethane
 Concen: 52.921 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054177.D
 Acq: 12 Mar 2019 21:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.0	66.6	100.0
85	54.8	44.4	66.6
99	62.1	50.8	76.2

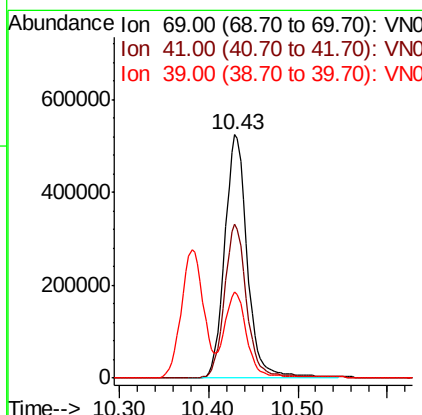
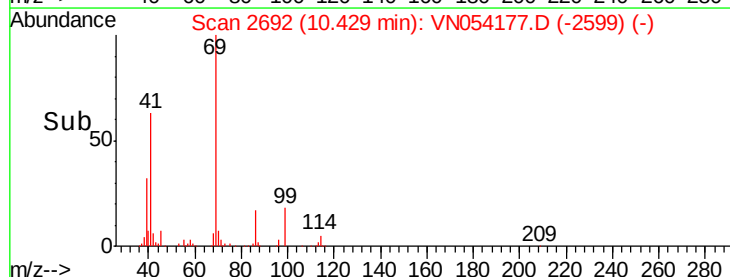
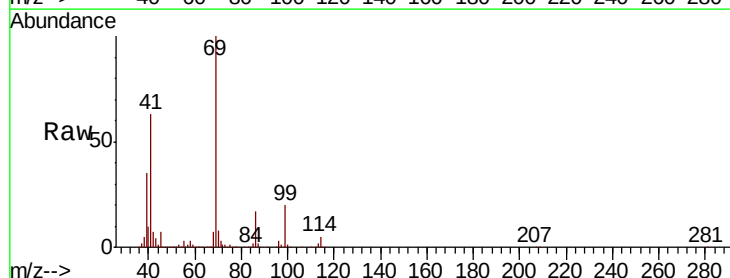
Manual Integrations
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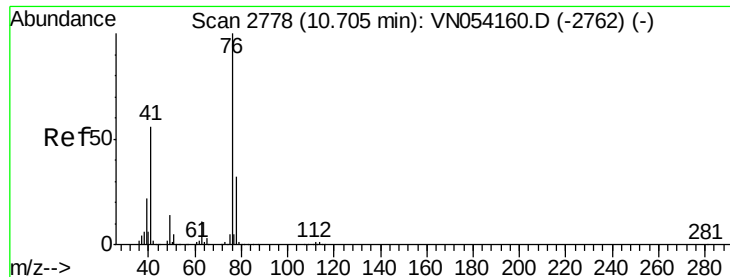
MMDadoda
 3/13/2019 11:41:38 AM



#56
 Ethyl methacrylate
 Concen: 54.900 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054177.D
 Acq: 12 Mar 2019 21:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.3	49.4	74.2
39	34.6	28.3	42.5





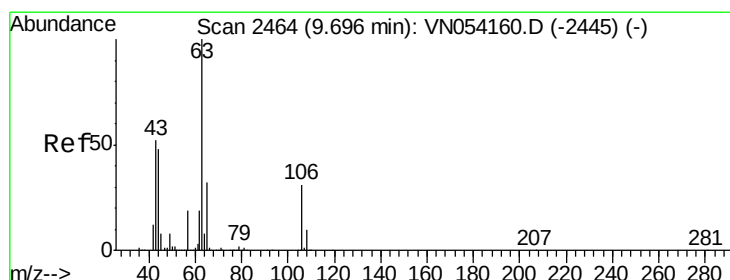
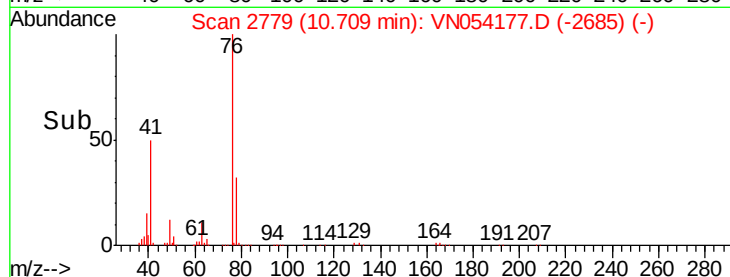
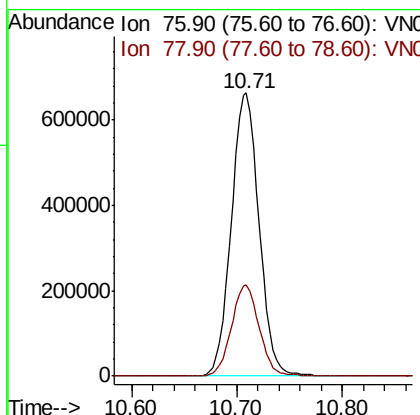
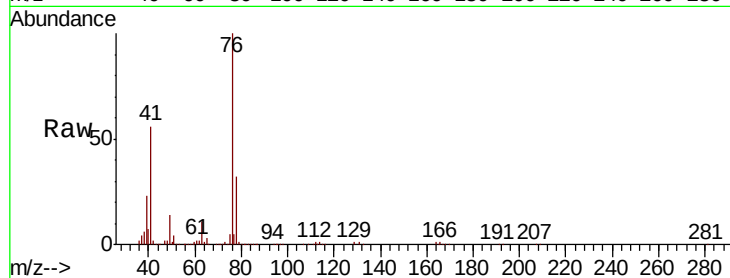
#57
 1,3-Dichloropropane
 Concen: 52.513 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054177.D
 Acq: 12 Mar 2019 21:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 1206776
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

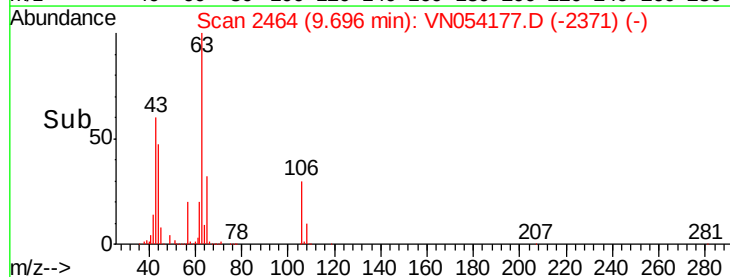
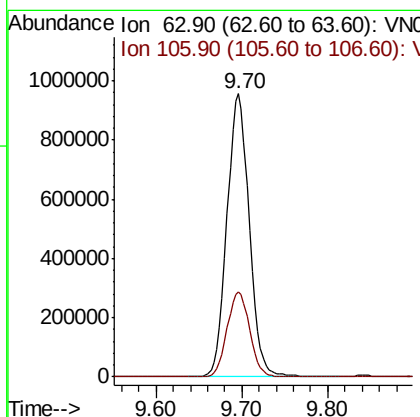
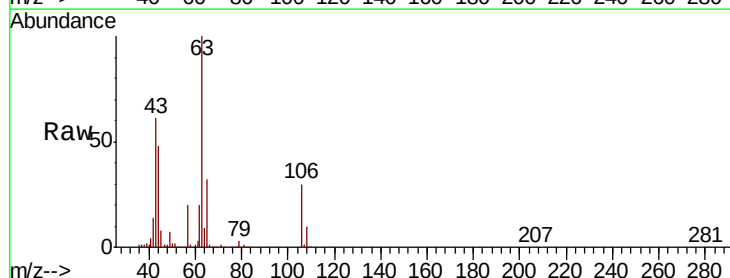
Manual Integrations
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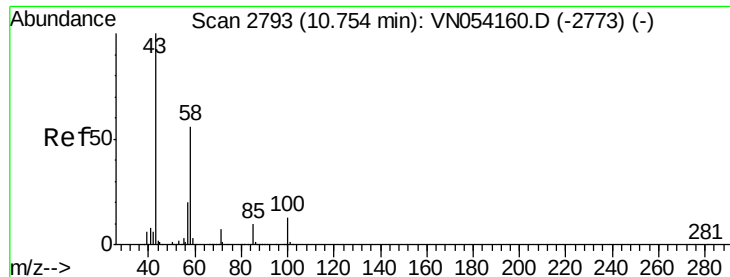
MMDadoda
 3/13/2019 11:41:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.419 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054177.D
 Acq: 12 Mar 2019 21:46

Tgt Ion: 63 Resp: 1719508
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.4 36.6





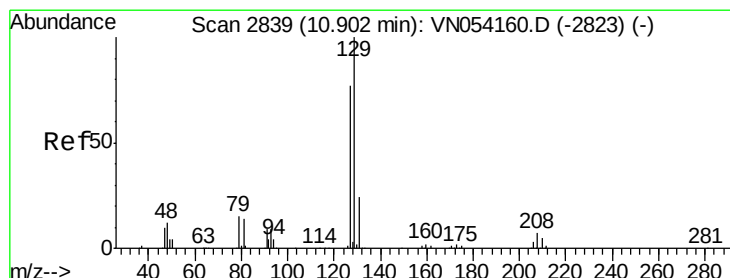
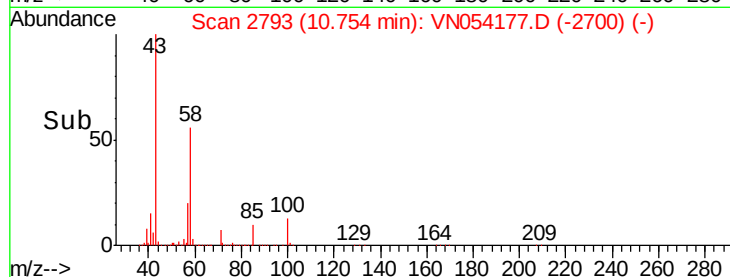
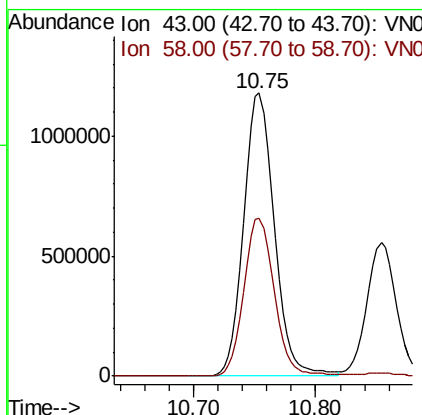
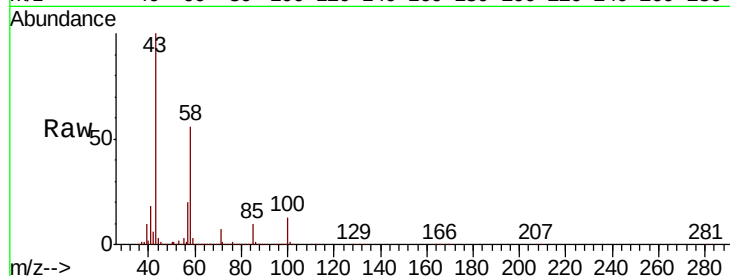
#59
2-Hexanone
Concen: 270.271 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 2036167
Ion Ratio Lower Upper
43 100
58 55.9 28.0 83.9

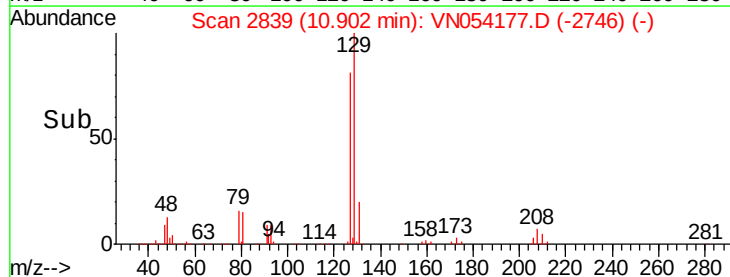
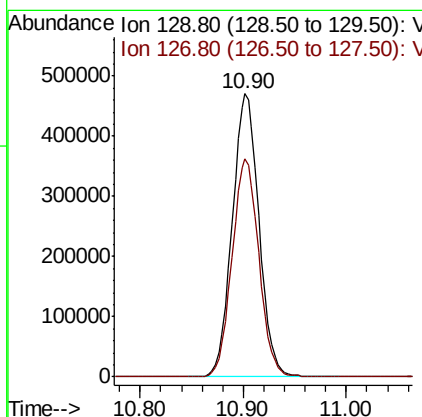
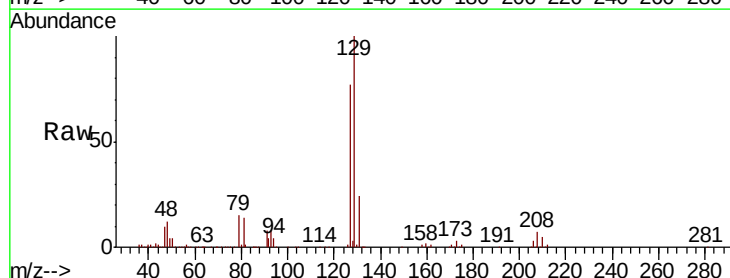
Manual Integrations
APPROVED

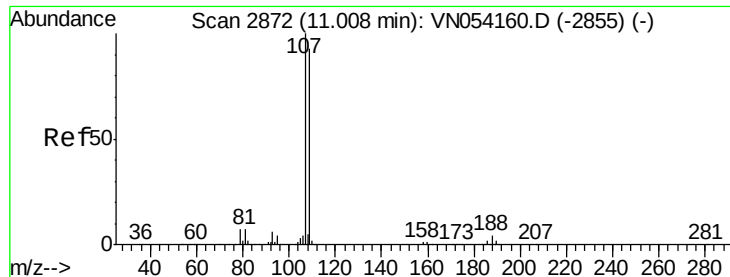
MMDadoda
3/13/2019 11:41:38 AM



#60
Dibromochloromethane
Concen: 53.700 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Tgt Ion: 129 Resp: 849480
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





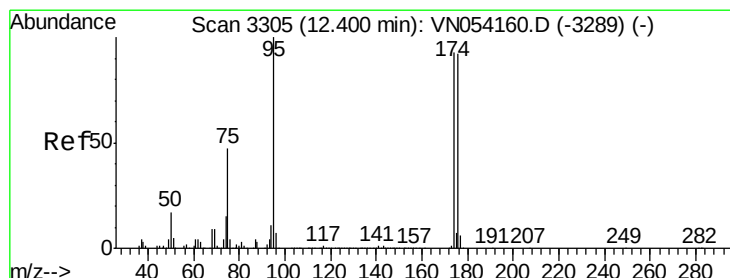
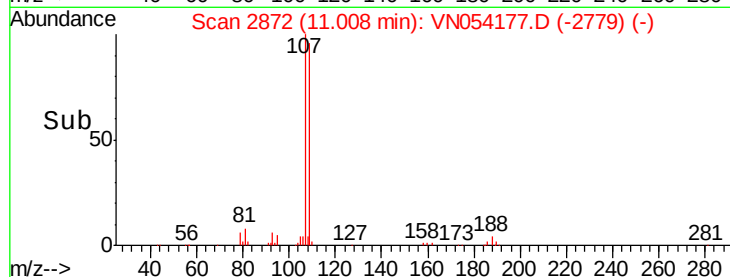
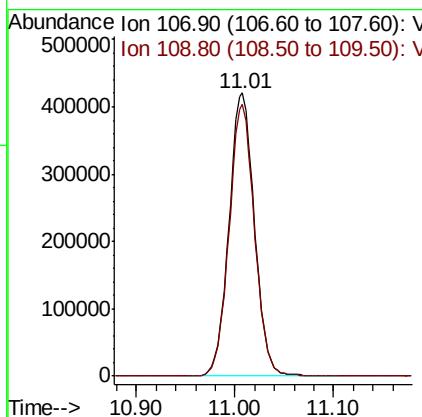
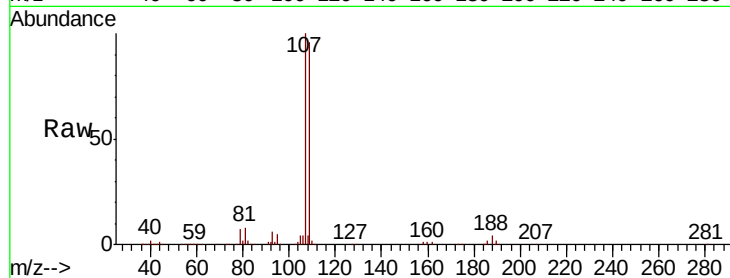
#61
1,2-Dibromoethane
Concen: 53.053 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.9	113.9

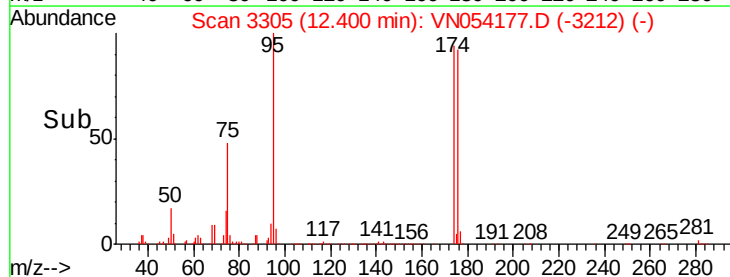
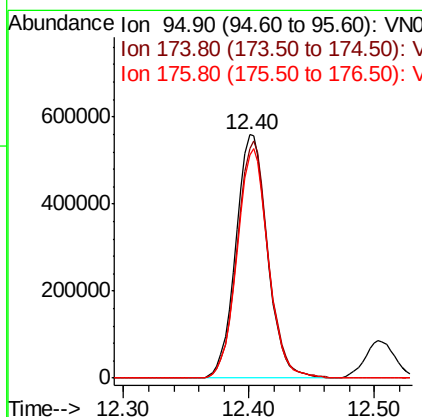
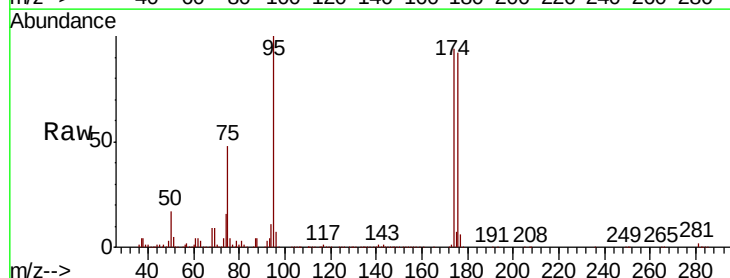
Manual Integrations
APPROVED

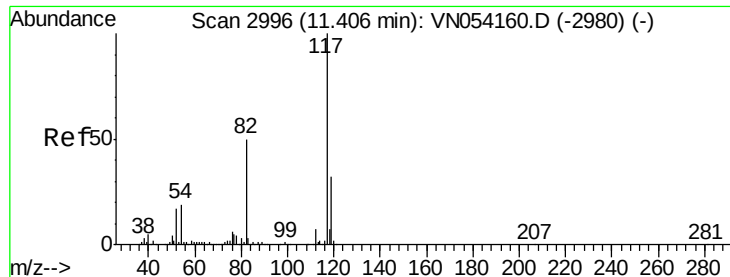
MMDadoda
3/13/2019 11:41:38 AM



#62
4-Bromofluorobenzene
Concen: 50.882 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.2	0.0	191.0
176	93.1	0.0	187.4





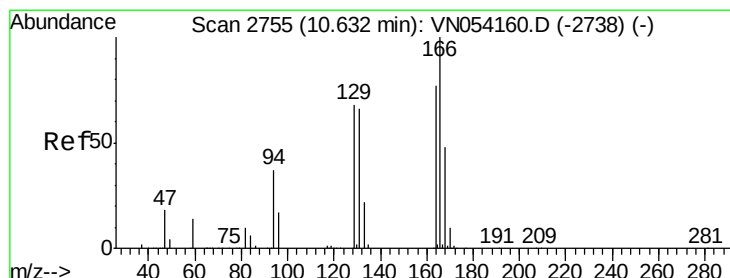
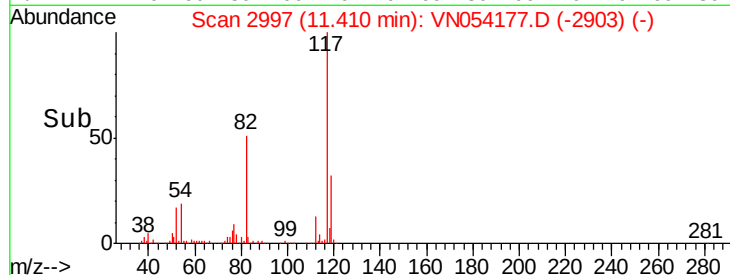
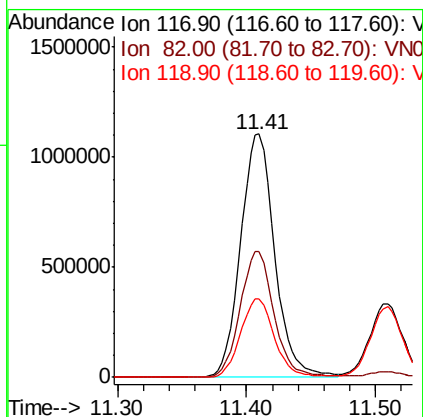
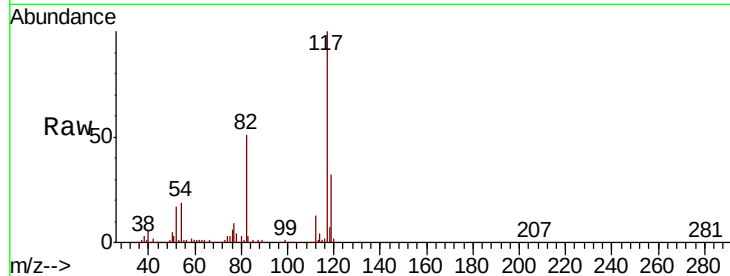
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 2038443
Ion Ratio Lower Upper
117 100
82 51.5 40.0 60.0
119 32.2 25.8 38.6

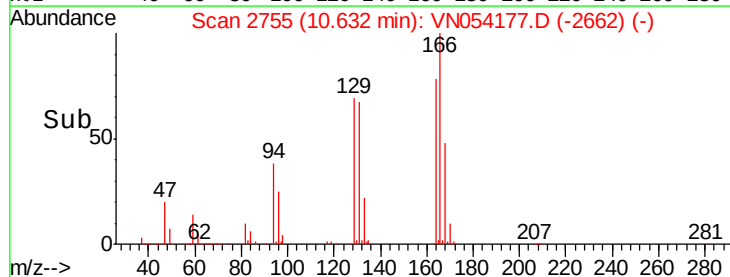
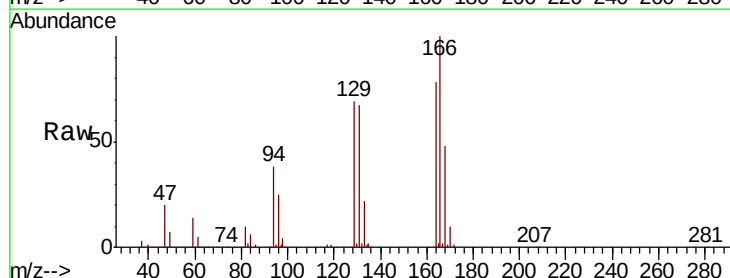
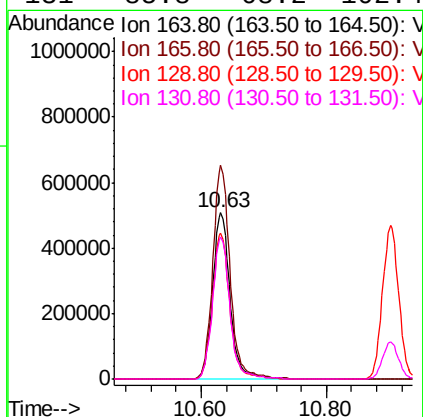
Manual Integrations
APPROVED

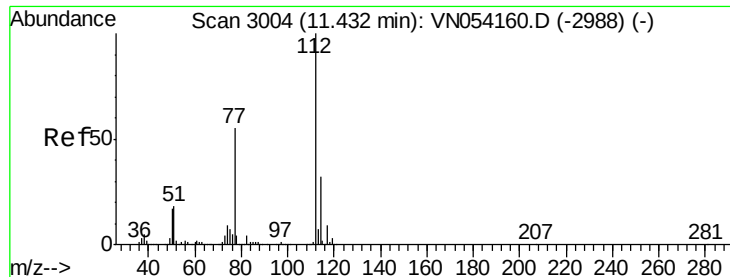
MMDadoda
3/13/2019 11:41:38 AM



#64
Tetrachloroethene
Concen: 49.957 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Tgt Ion:164 Resp: 984588
Ion Ratio Lower Upper
164 100
166 128.8 103.9 155.9
129 88.4 71.1 106.7
131 85.8 68.2 102.4





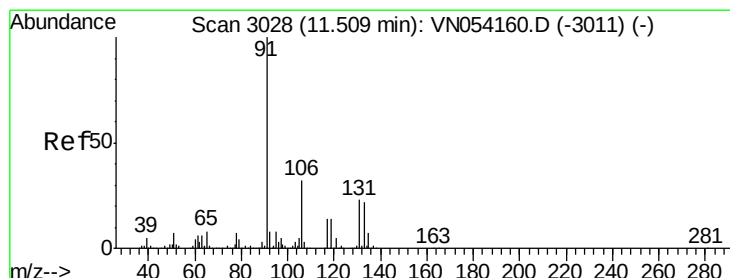
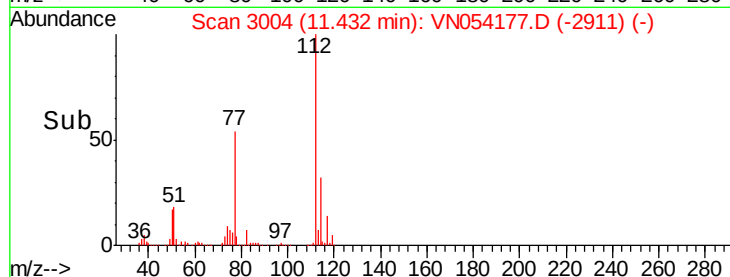
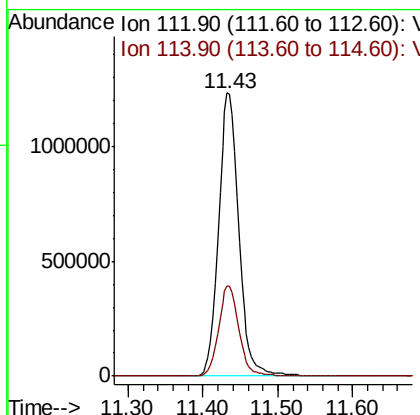
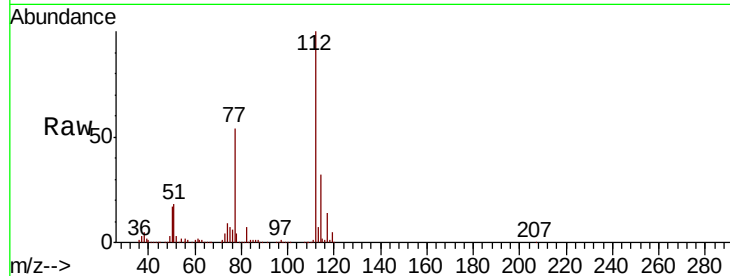
#65
Chlorobenzene
Concen: 51.511 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tgt Ion:112 Resp: 2305568
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9

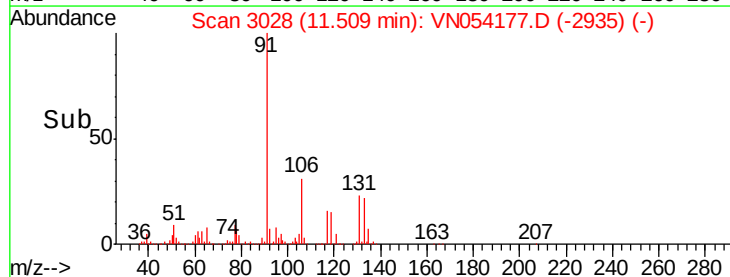
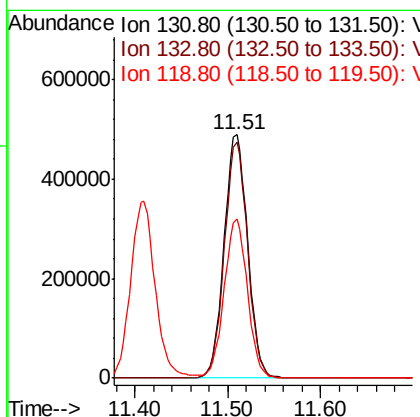
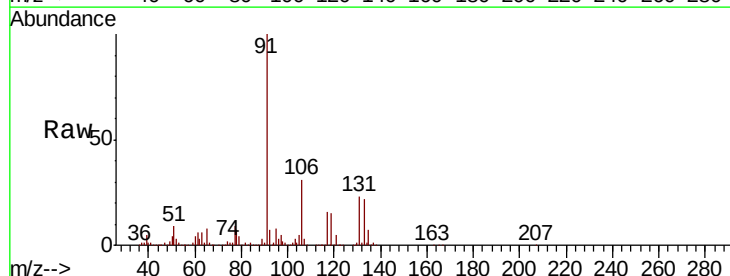
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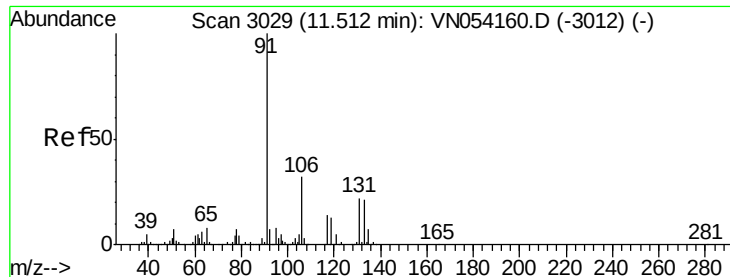
MMDadoda
3/13/2019 11:41:38 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.030 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Tgt Ion:131 Resp: 862246
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.9
119 64.9 32.4 97.0





#67

Ethyl Benzene

Concen: 51.104 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 3791659

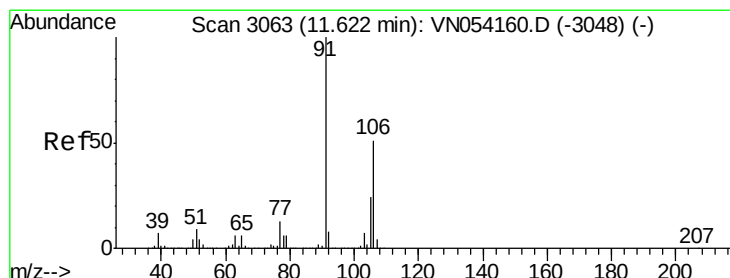
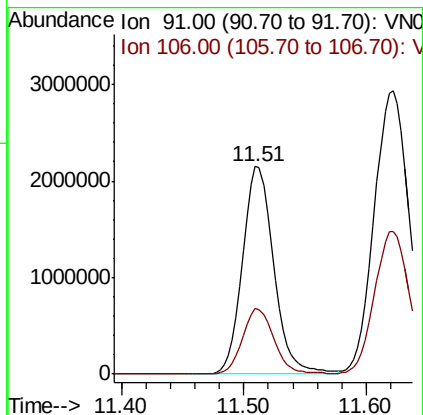
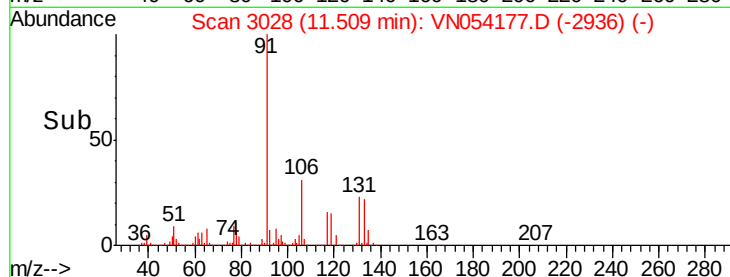
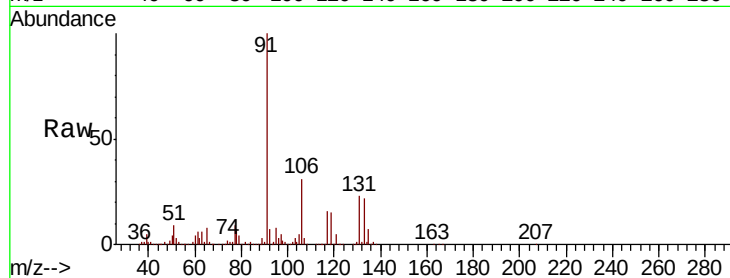
Ion Ratio Lower Upper

91 100

106 31.4 25.5 38.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 103.578 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054177.D

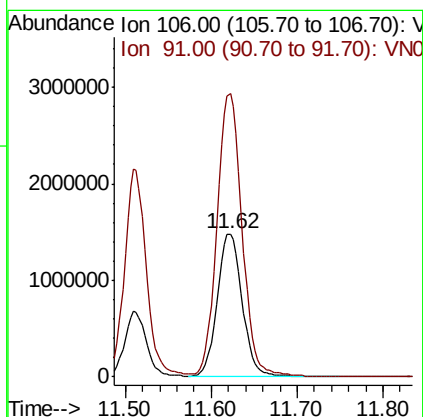
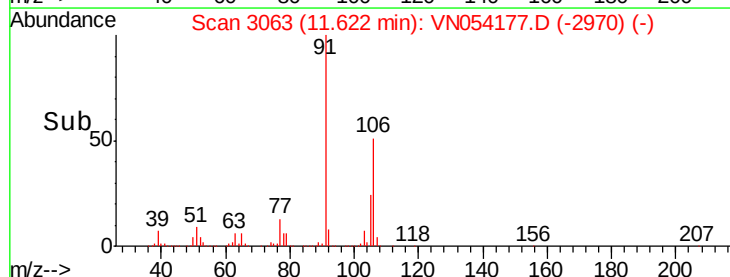
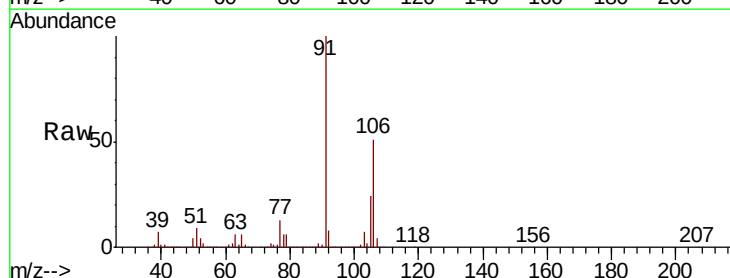
Acq: 12 Mar 2019 21:46

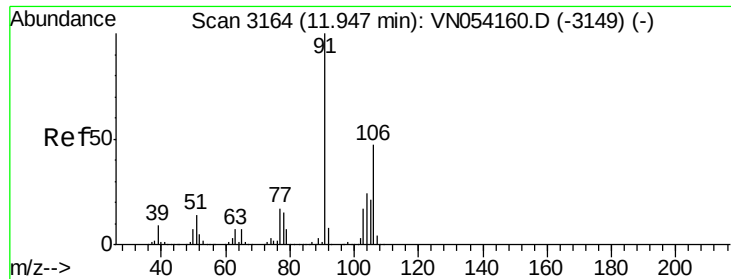
Tgt Ion: 106 Resp: 3003647

Ion Ratio Lower Upper

106 100

91 198.4 159.4 239.2





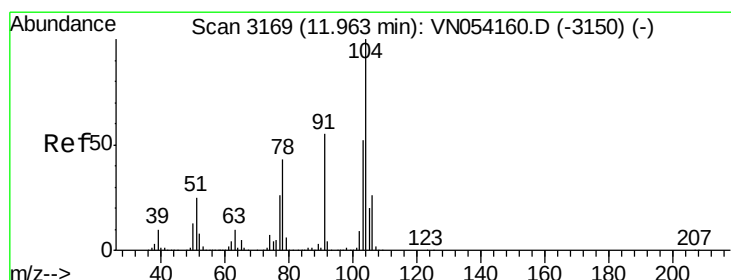
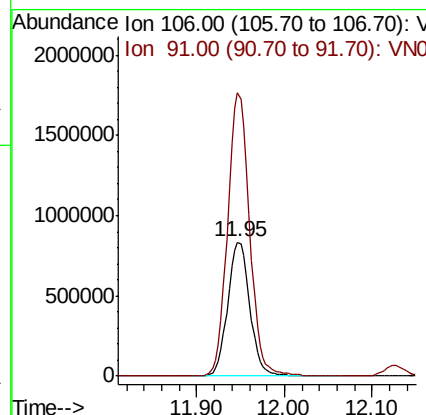
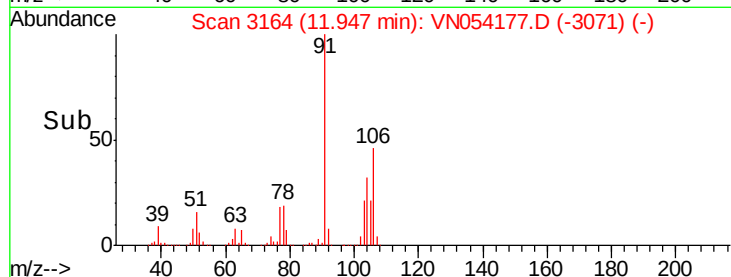
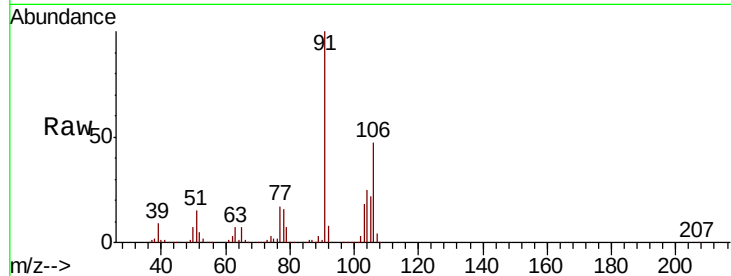
#69
o-Xylene
Concen: 51.920 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 1467745
Ion Ratio Lower Upper
106 100
91 210.0 105.7 317.1

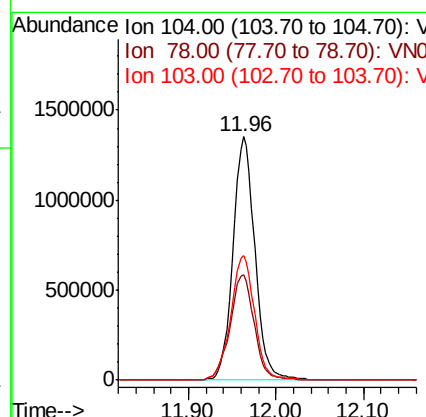
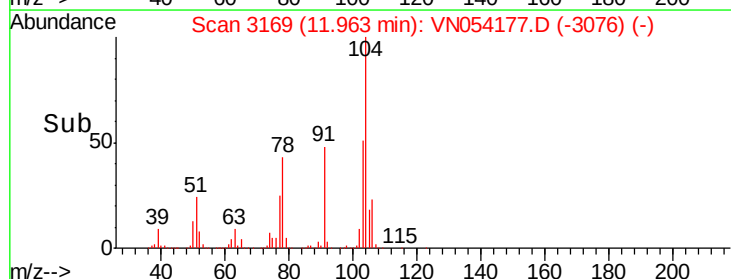
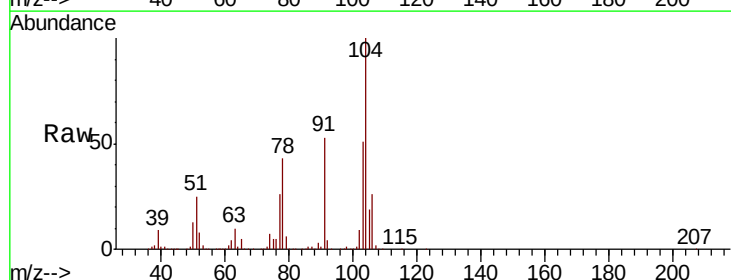
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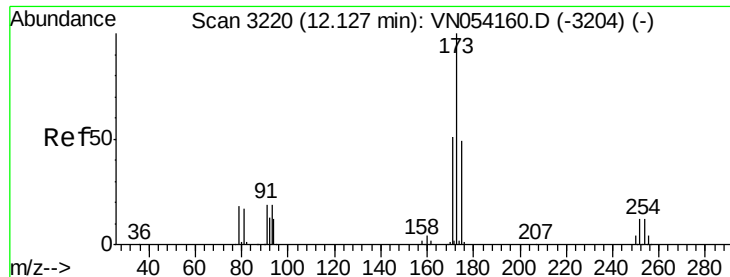
MMDadoda
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#70
Styrene
Concen: 53.097 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Tgt Ion:104 Resp: 2354071
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.2
103 55.7 44.4 66.6





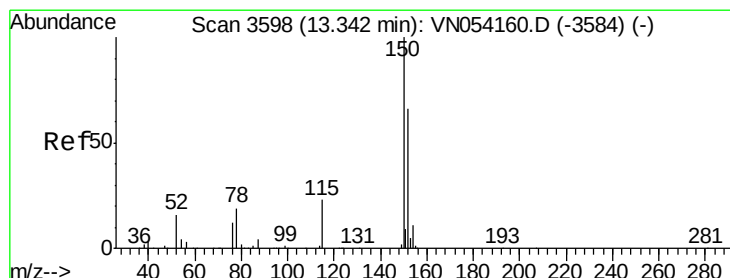
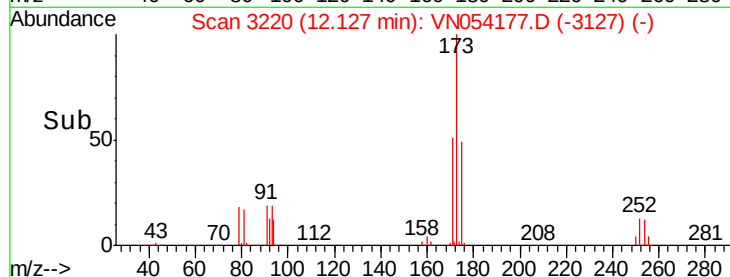
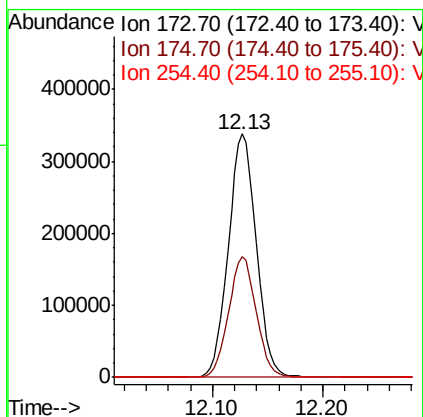
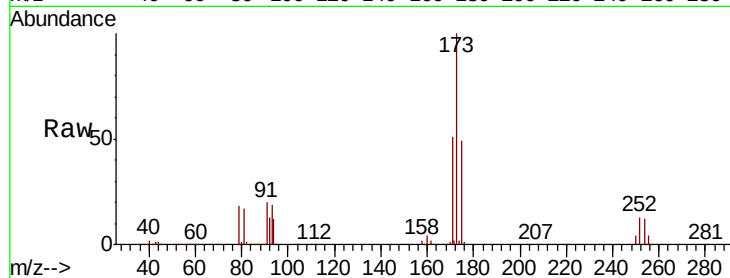
#71
Bromoform
Concen: 47.992 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.2
254	0.1	0.1	0.1#

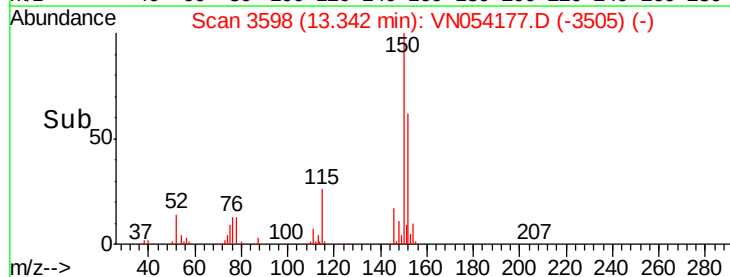
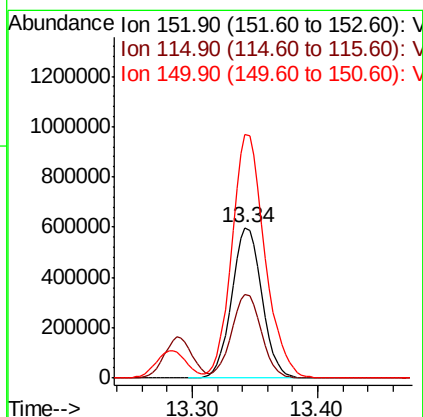
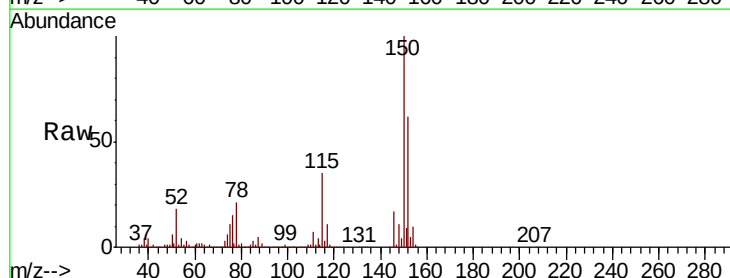
Manual Integrations
APPROVED

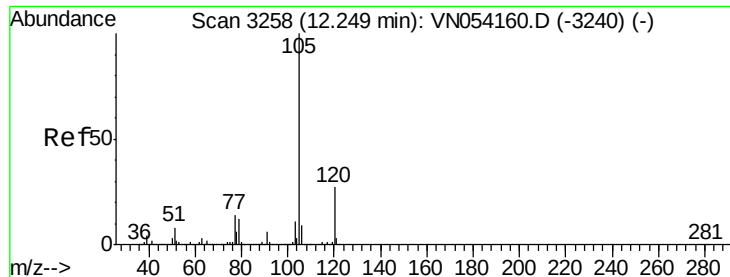
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.2	81.6
150	175.8	0.0	349.2





#73

Isopropylbenzene

Concen: 48.815 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 3902333

Ion Ratio Lower Upper

105 100

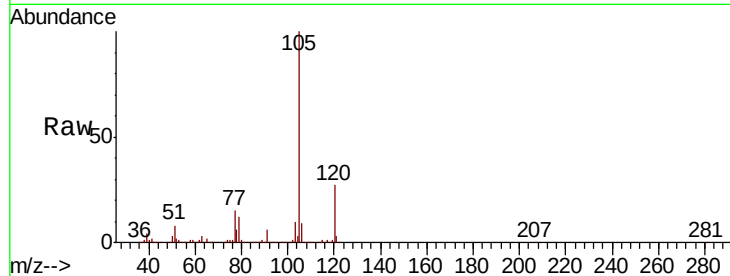
120 27.1 13.8 41.3

Manual Integrations

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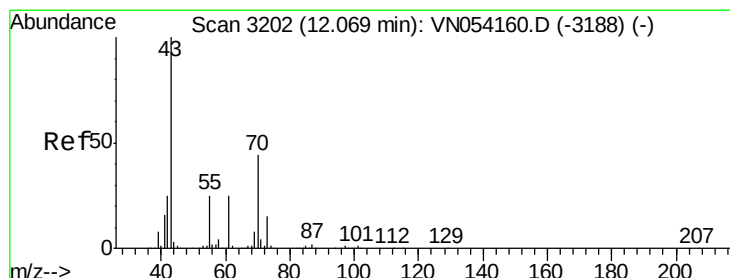
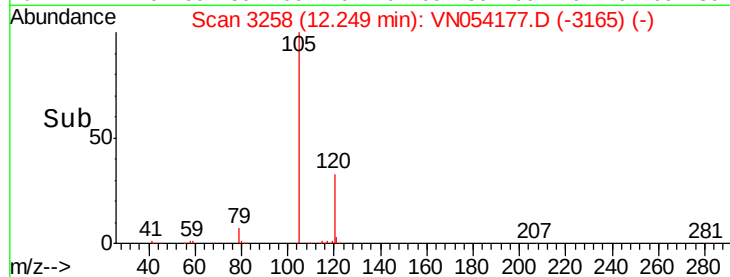
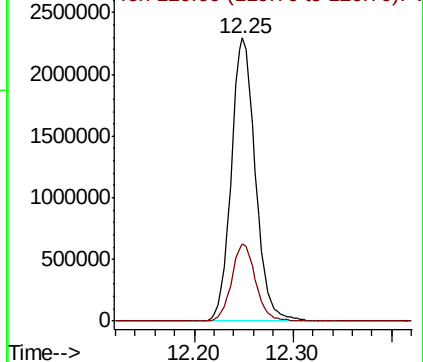
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.339 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Tgt Ion: 43 Resp: 946452

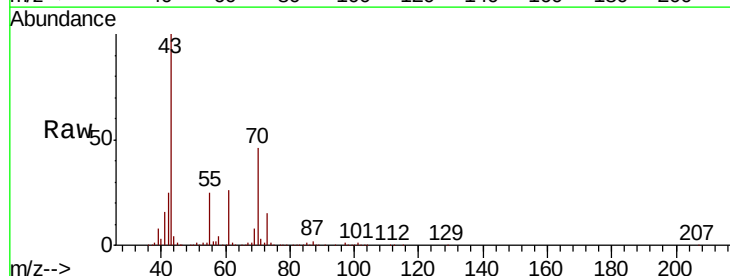
Ion Ratio Lower Upper

43 100

70 45.6 35.4 53.0

55 25.1 19.8 29.6

61 25.5 19.8 29.6

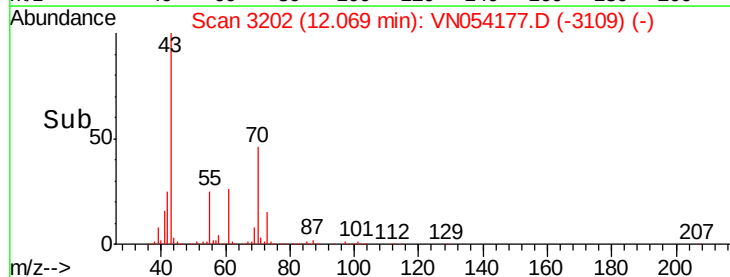
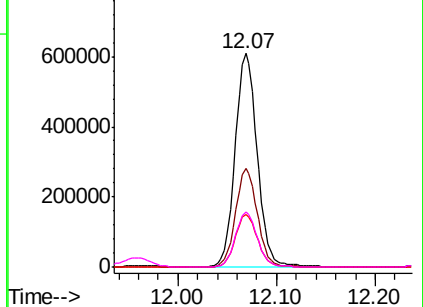


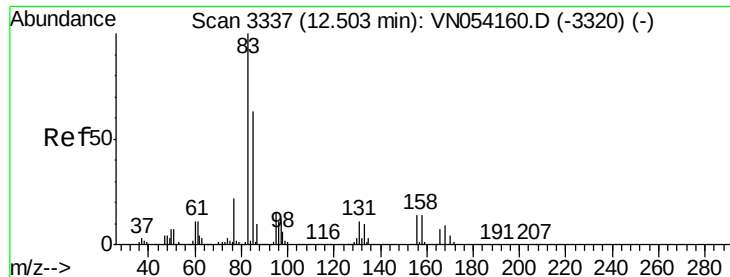
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.860 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 866233
Ion Ratio Lower Upper

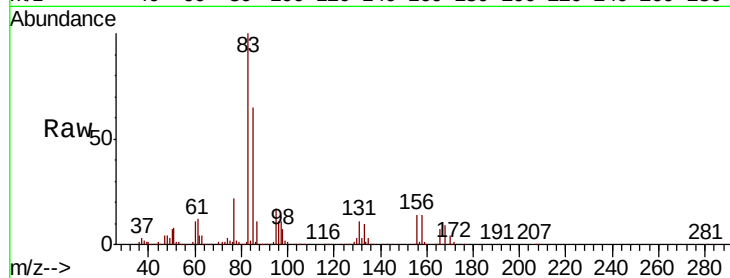
83 100

131 11.8 5.8 17.4

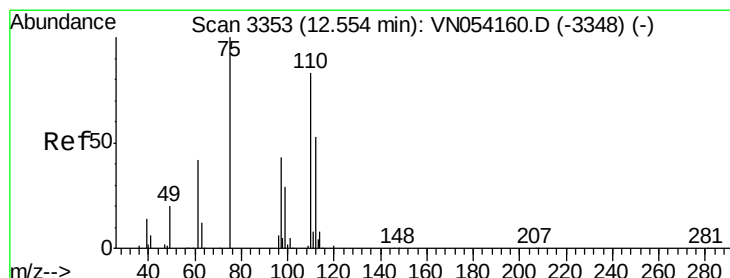
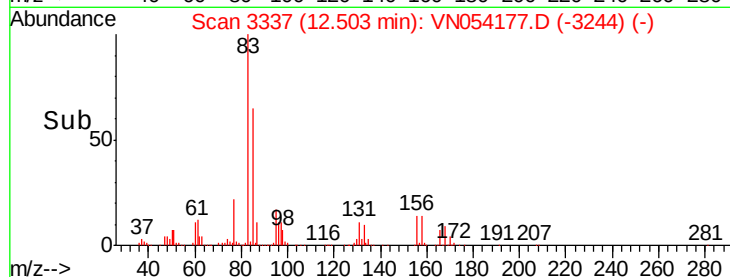
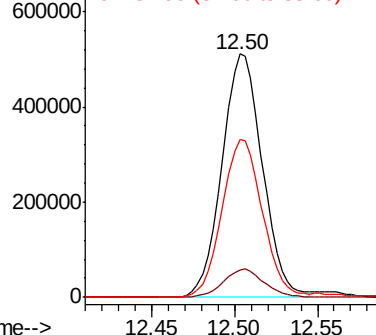
85 64.7 32.2 96.6

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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: 54.038 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

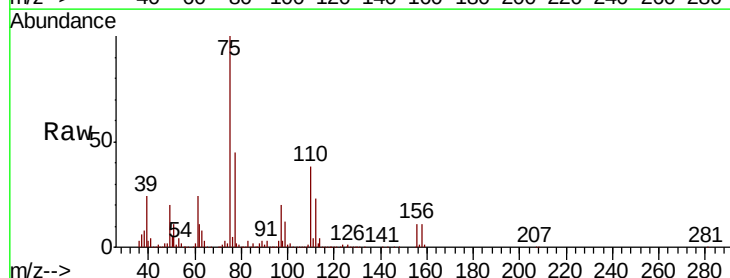
Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

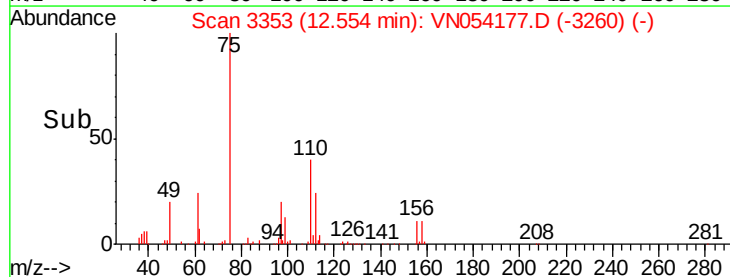
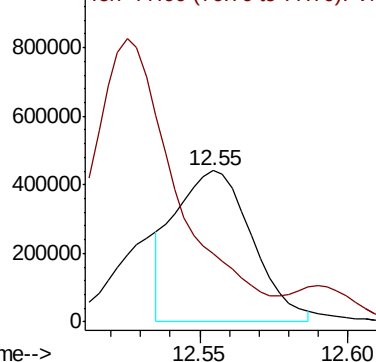
Tgt Ion: 75 Resp: 794000
Ion Ratio Lower Upper

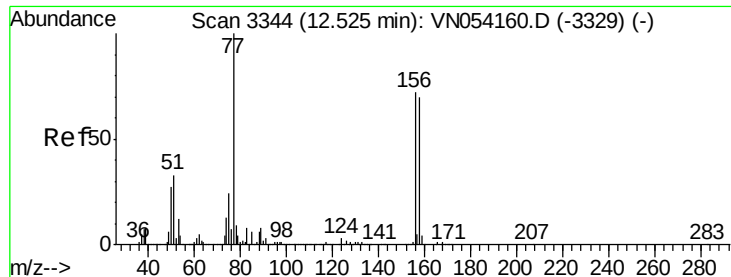
75 100

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: 49.259 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 156 Resp: 1042004

Ion Ratio Lower Upper

156 100

77 162.4 81.5 244.4

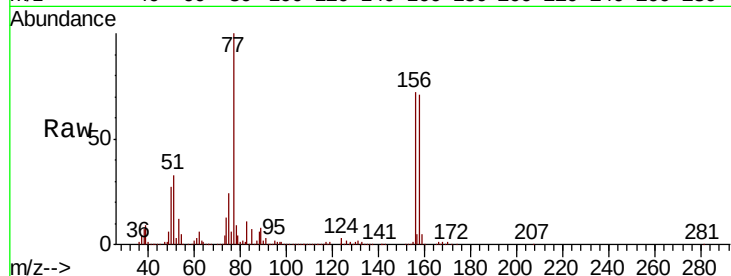
158 98.7 49.0 147.2

Manual Integrations

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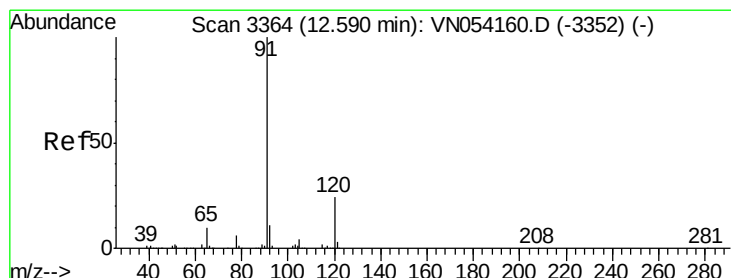
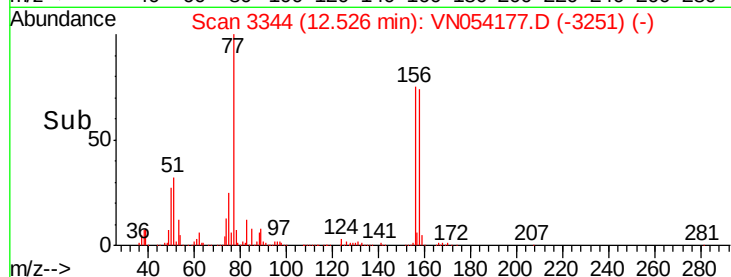
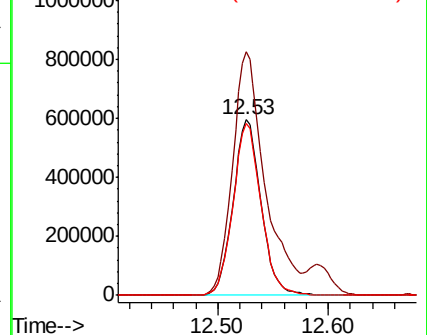
3/13/2019 11:41:38 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.787 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054177.D

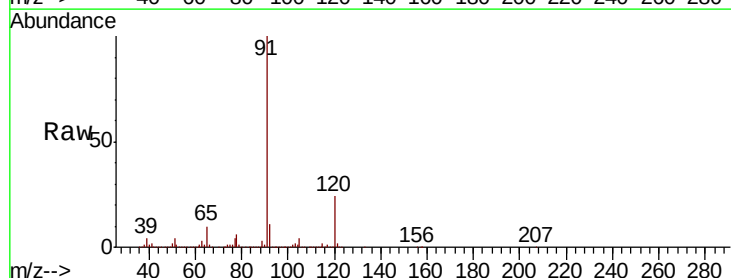
Acq: 12 Mar 2019 21:46

Tgt Ion: 91 Resp: 4318621

Ion Ratio Lower Upper

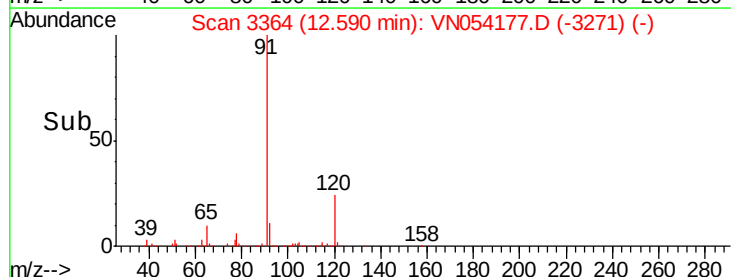
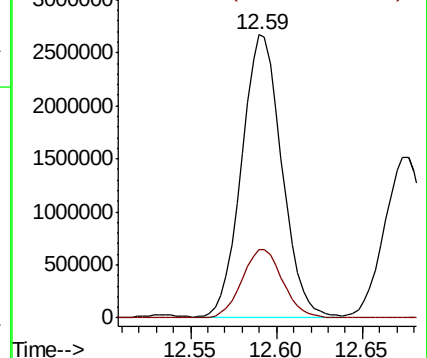
91 100

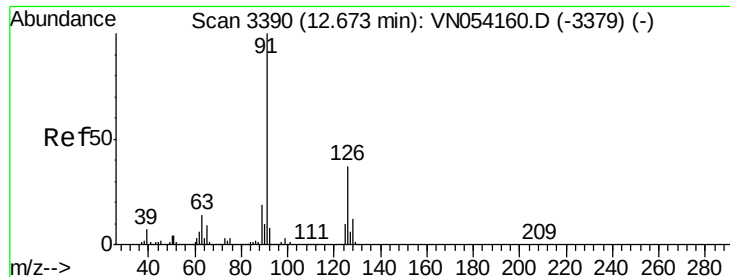
120 24.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.173 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 2564595

Ion Ratio Lower Upper

91 100

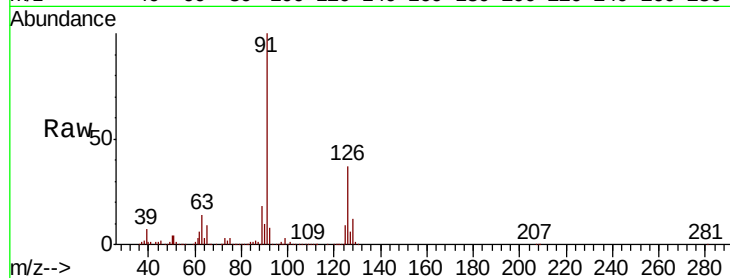
126 37.6 18.7 56.1

Manual Integrations

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

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

1500000

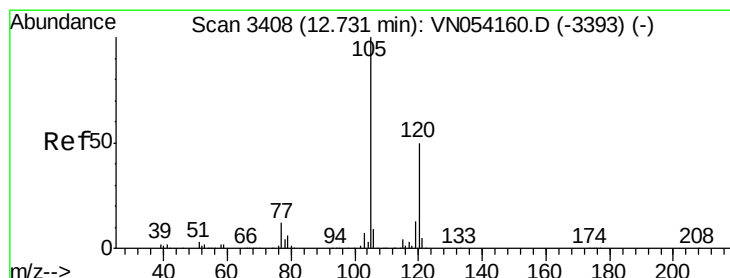
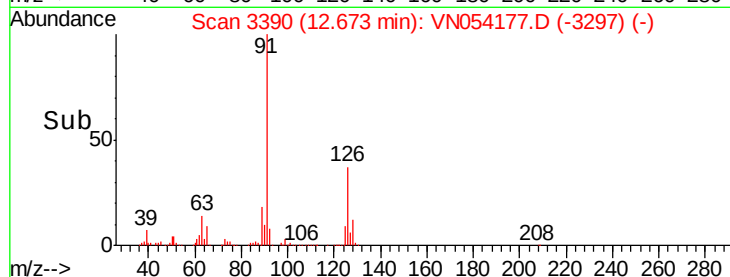
1000000

500000

0

12.65 12.67 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.899 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054177.D

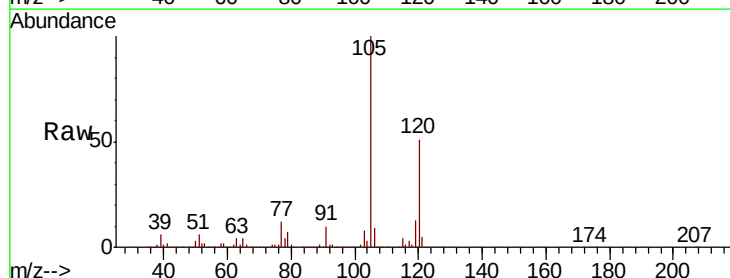
Acq: 12 Mar 2019 21:46

Tgt Ion: 105 Resp: 3251494

Ion Ratio Lower Upper

105 100

120 50.4 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

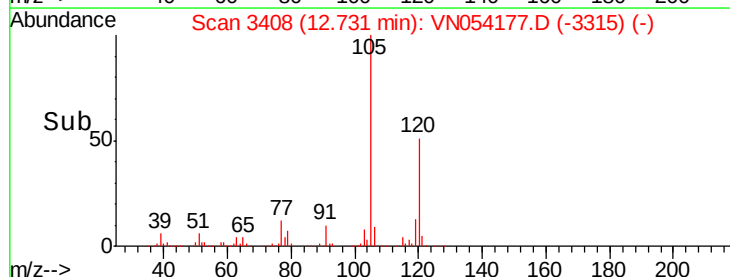
1000000

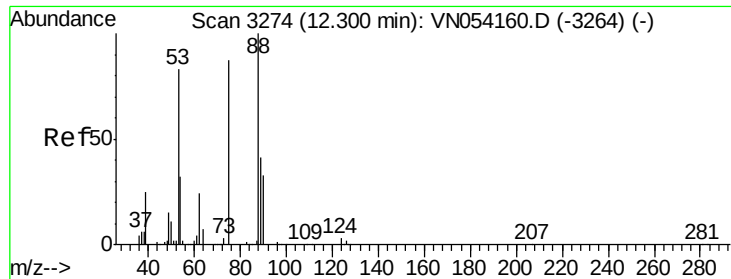
500000

0

12.70 12.73 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 51.201 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

MSVOA_N

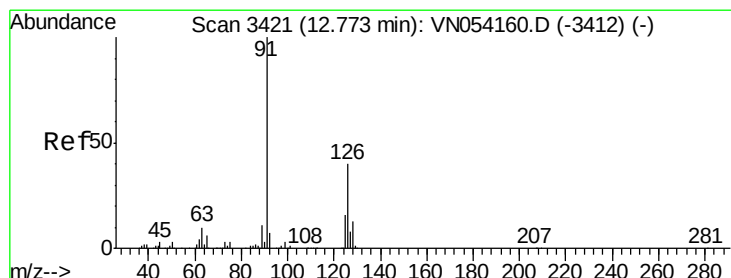
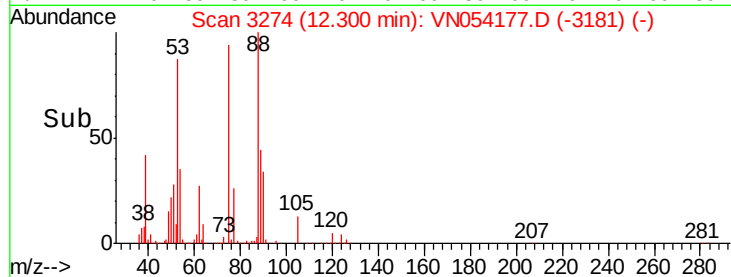
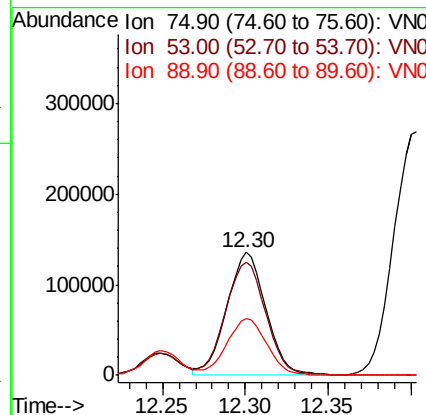
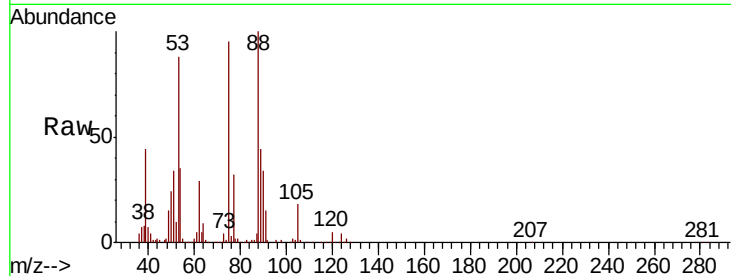
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	220076
Ion	Ratio	Lower	Upper
75	100		
53	96.9	76.2	114.2
89	47.8	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.883 ug/l

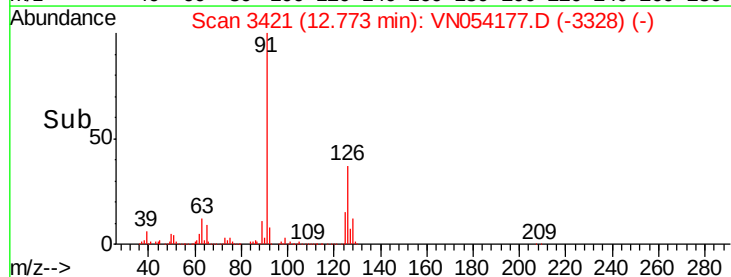
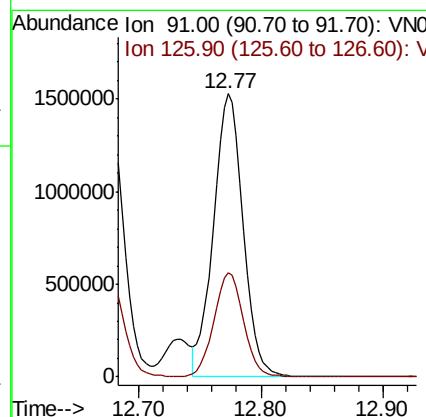
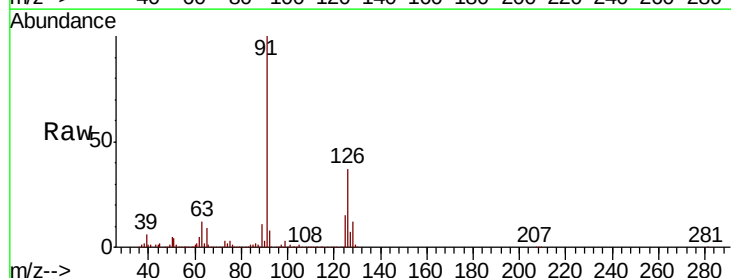
RT: 12.77 min Scan# 3421

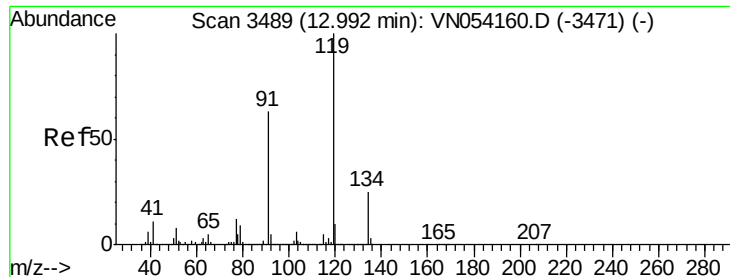
Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Tgt Ion:	91	Resp:	2597798
Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.1	54.1





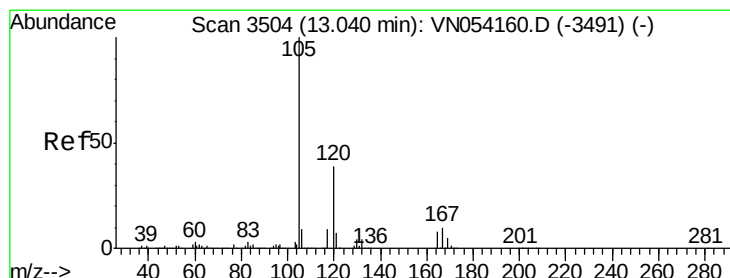
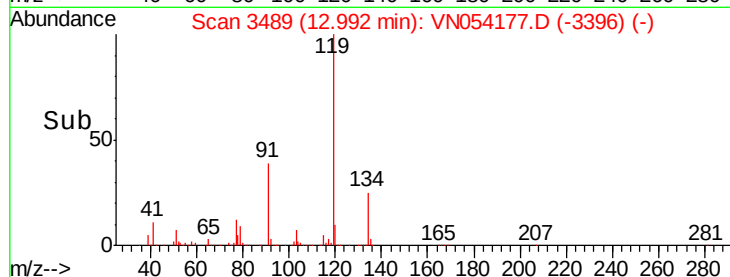
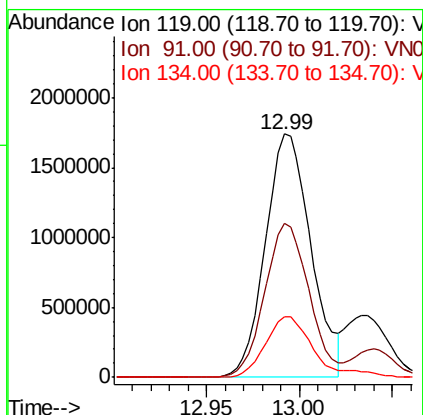
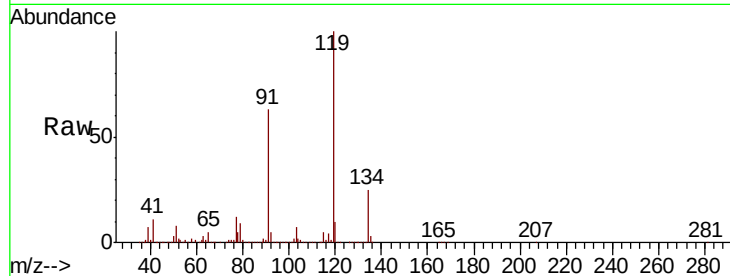
#83
 tert-Butylbenzene
 Concen: 48.648 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054177.D
 Acq: 12 Mar 2019 21:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:119 Resp: 2977445
 Ion Ratio Lower Upper
 119 100
 91 61.2 30.9 92.8
 134 26.3 13.2 39.6

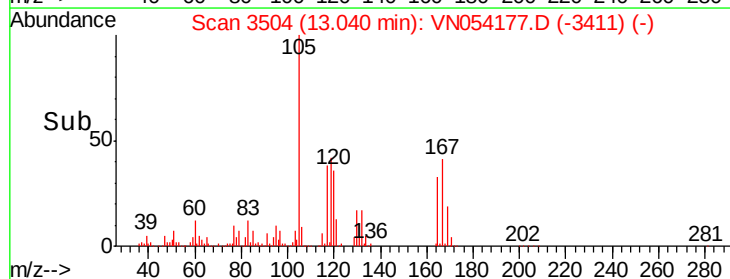
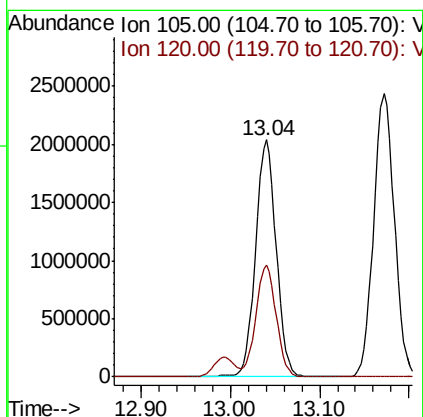
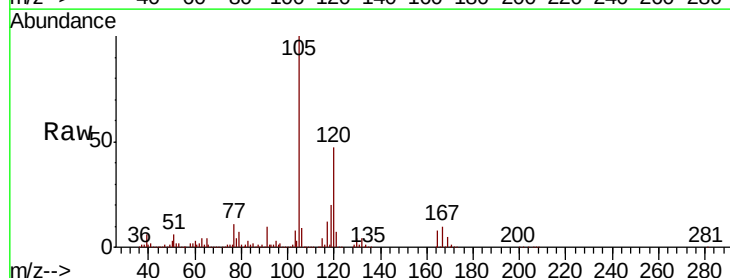
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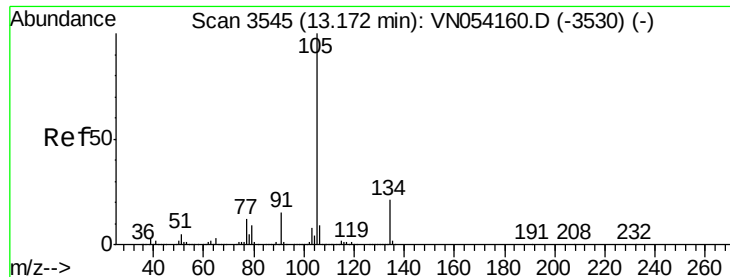
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.456 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054177.D
 Acq: 12 Mar 2019 21:46

Tgt Ion:105 Resp: 3291469
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.3





#85

sec-Butylbenzene

Concen: 49.354 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 3917345

Ion Ratio Lower Upper

105 100

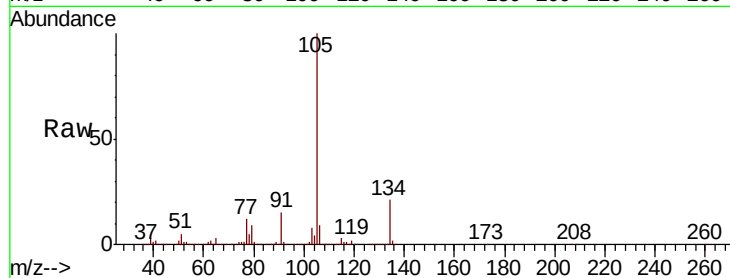
134 21.3 10.7 32.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

2500000

2000000

1500000

1000000

500000

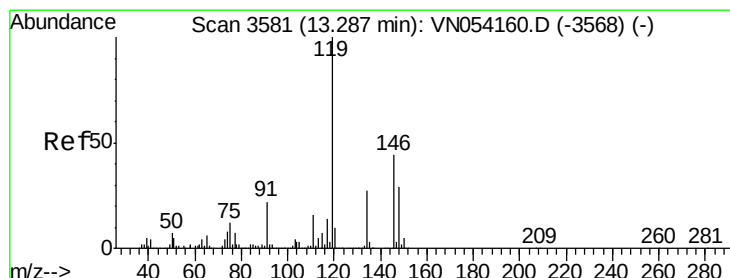
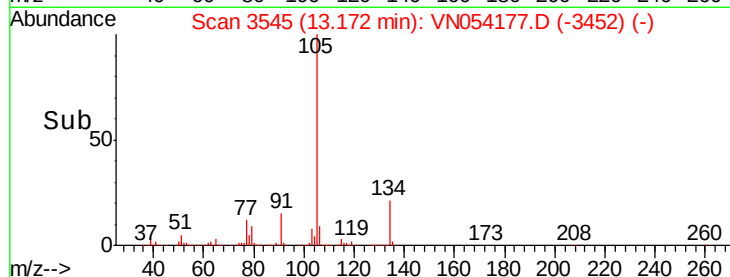
0

13.10

13.17

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 49.954 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

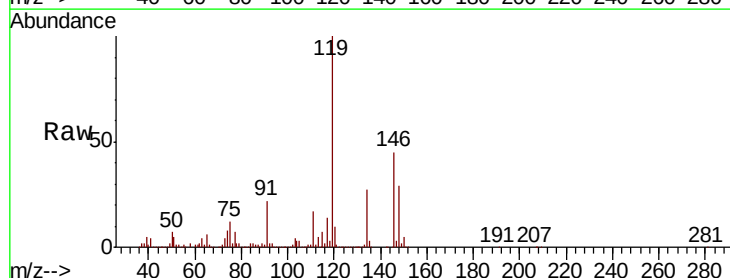
Tgt Ion:119 Resp: 3478516

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 22.1 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): VNO

3000000

2500000

2000000

1500000

1000000

500000

0

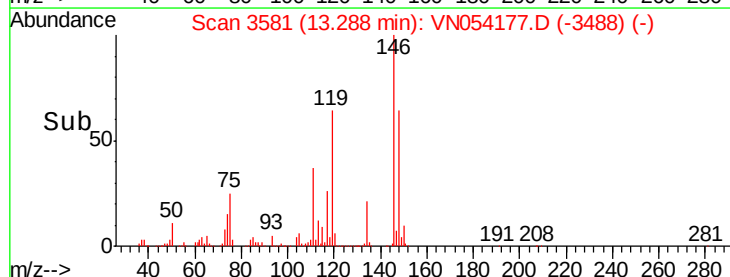
13.20

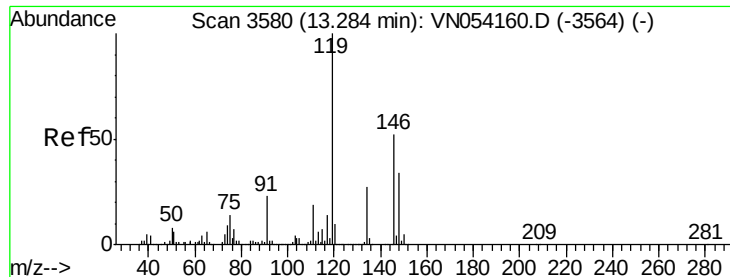
13.25

13.29

13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 51.412 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

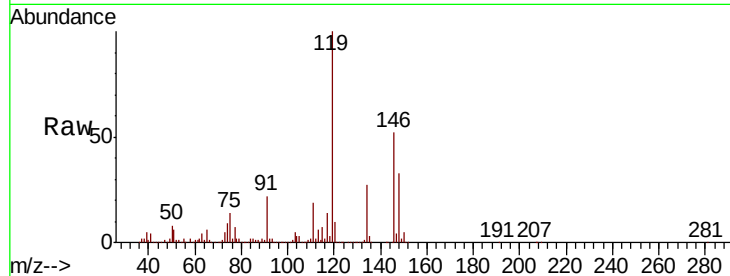
Instrument :
MSVOA_N

ClientSampled :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	64.0	32.2	96.6

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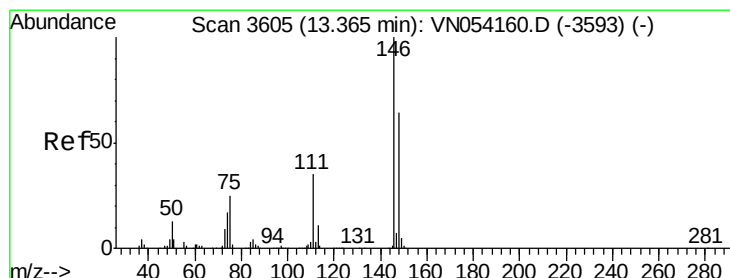
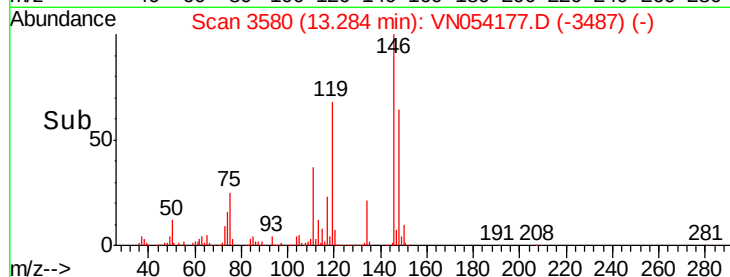
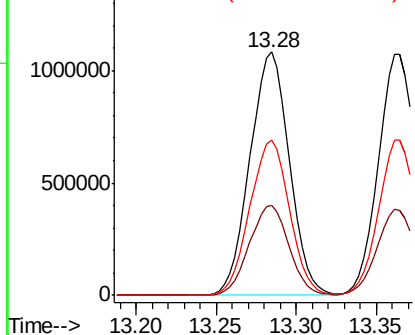


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.332 ug/l

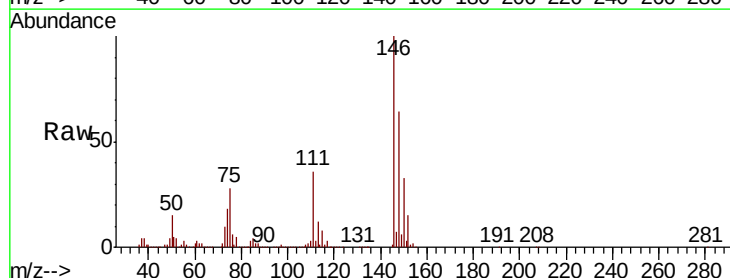
RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.1	54.1
148	64.3	32.0	96.0

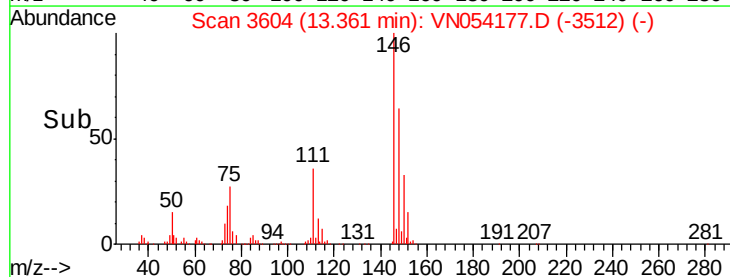
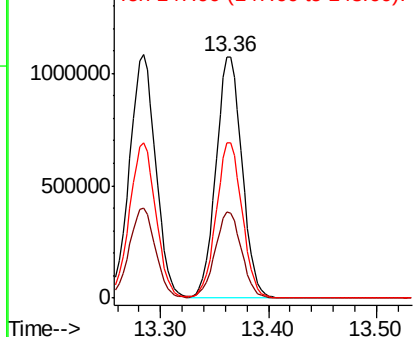


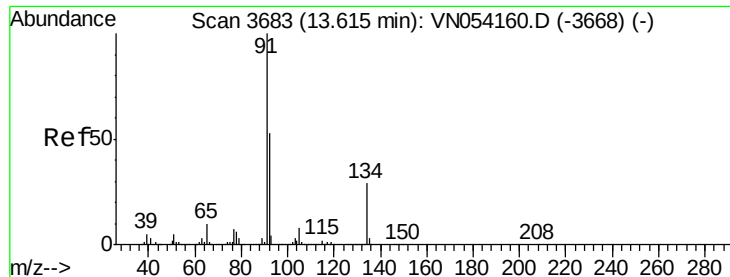
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





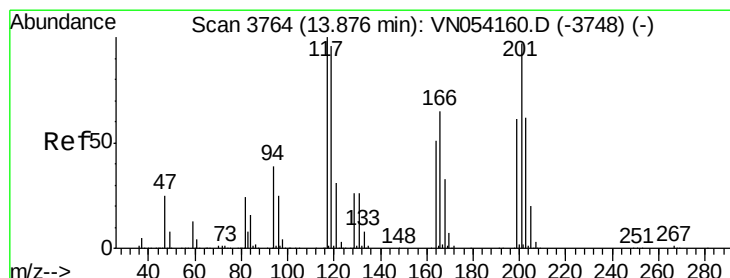
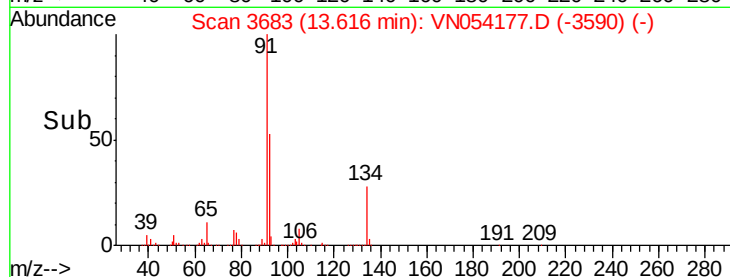
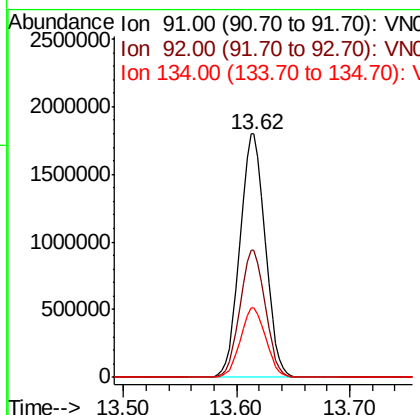
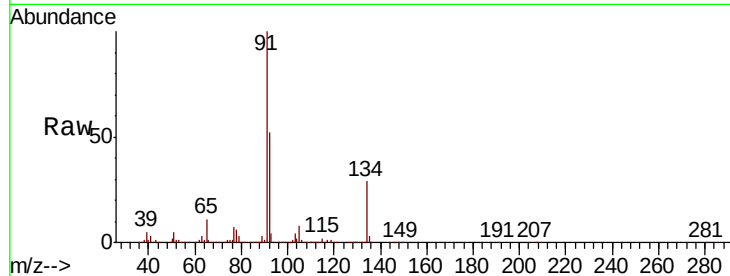
#89
n-Butylbenzene
Concen: 53.038 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 2806161
Ion Ratio Lower Upper
91 100
92 52.4 26.2 78.6
134 28.4 14.3 42.9

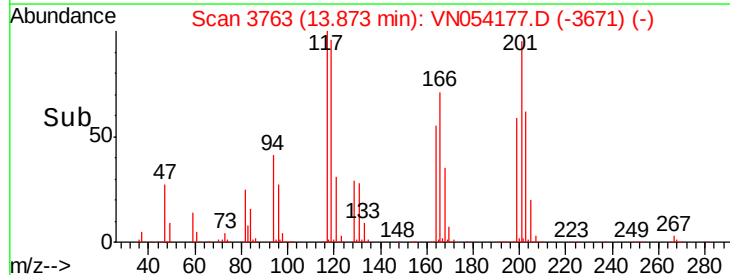
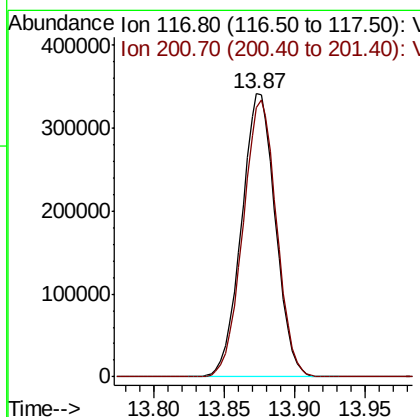
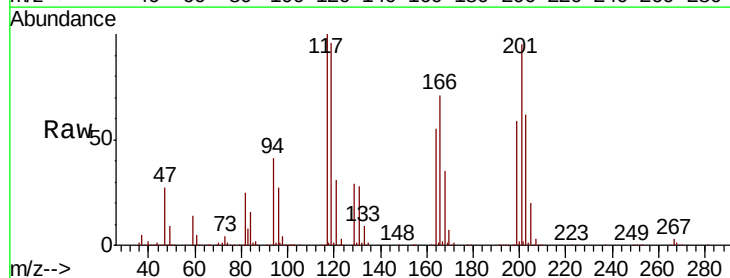
Manual Integrations
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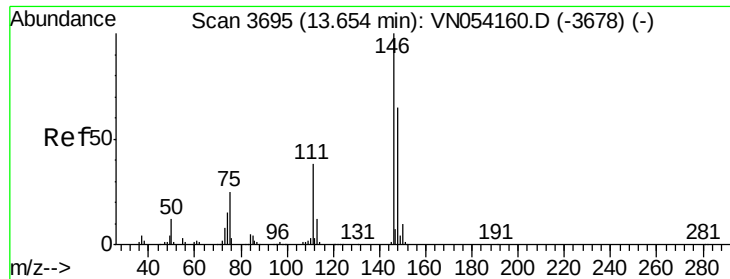
MMDadoda
3/13/2019 11:41:38 AM



#90
Hexachloroethane
Concen: 49.824 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Tgt Ion: 117 Resp: 574489
Ion Ratio Lower Upper
117 100
201 96.8 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 51.208 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 146 Resp: 1784384

Ion Ratio Lower Upper

146 100

111 38.7 19.1 57.3

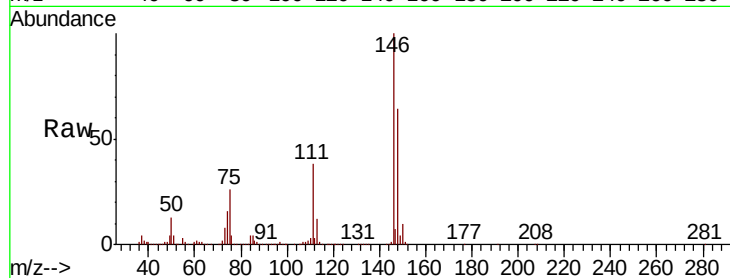
148 63.7 32.4 97.0

Manual Integrations

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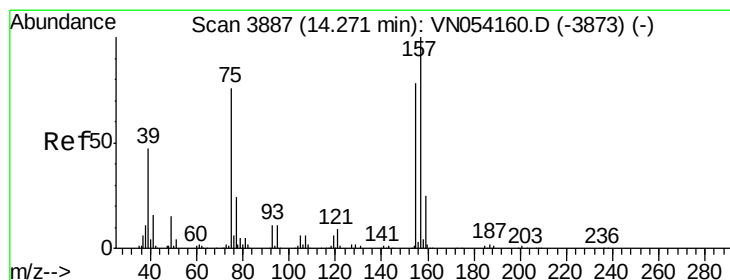
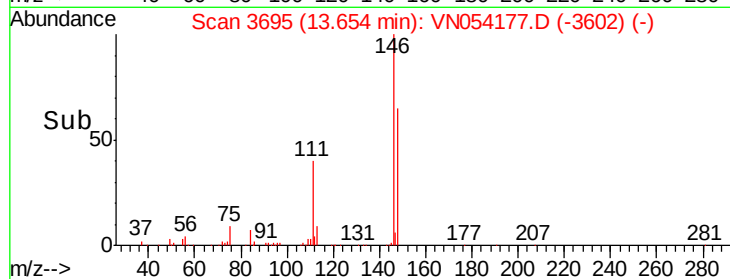
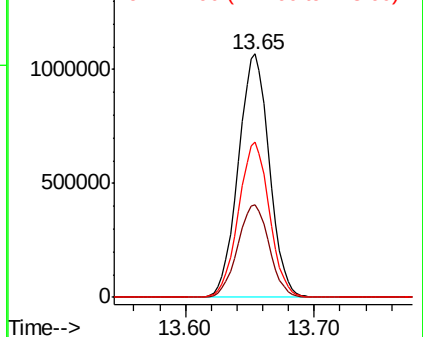
3/13/2019 11:41:38 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.064 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054177.D

Acq: 12 Mar 2019 21:46

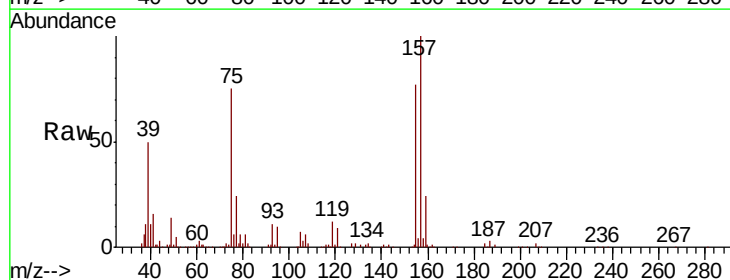
Tgt Ion: 75 Resp: 137218

Ion Ratio Lower Upper

75 100

155 100.7 50.1 150.3

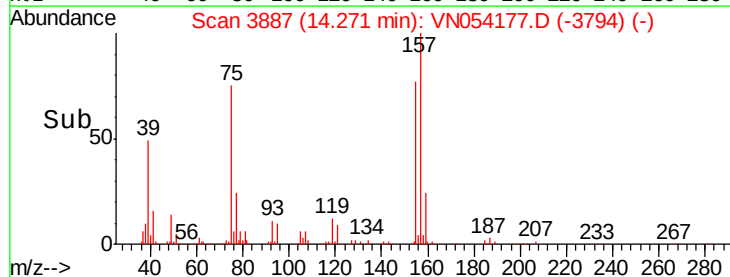
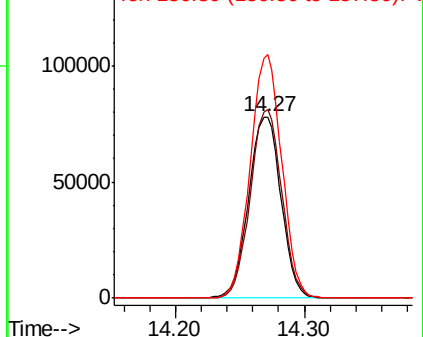
157 130.3 63.1 189.3

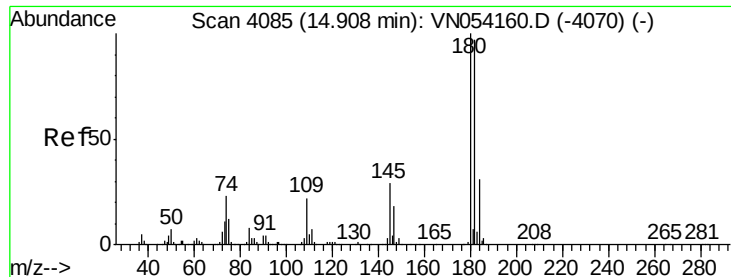


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





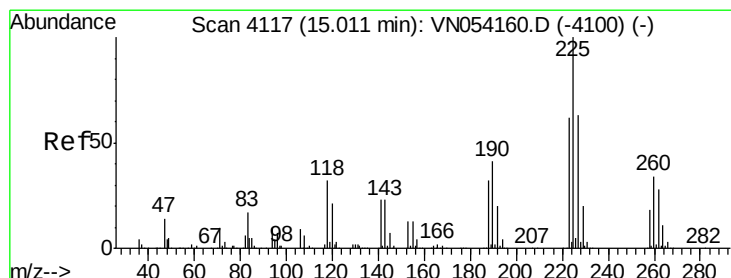
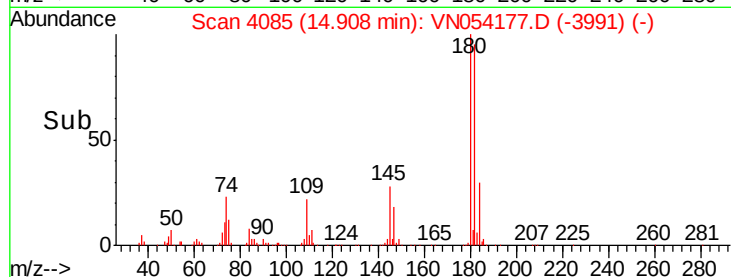
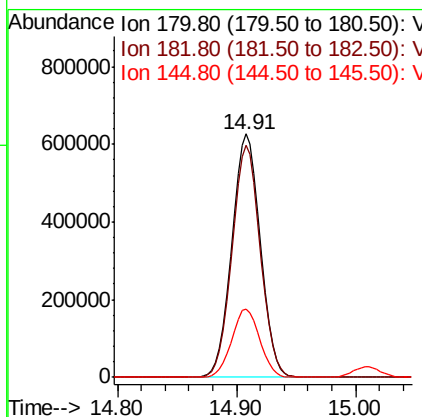
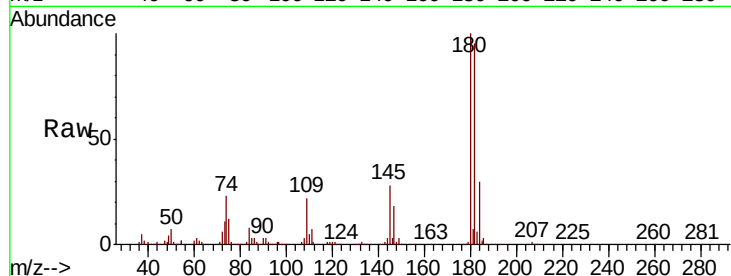
#93
 1,2,4-Trichlorobenzene
 Concen: 49.220 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054177.D
 Acq: 12 Mar 2019 21:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.0	144.2
145	28.0	14.2	42.8

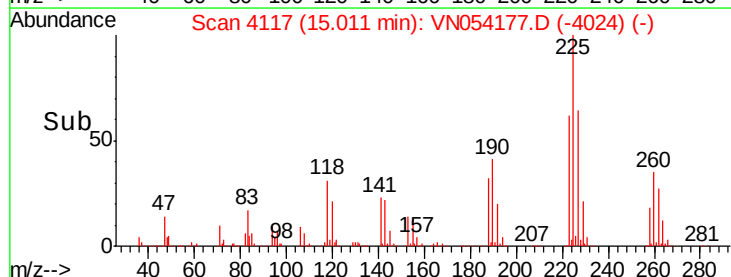
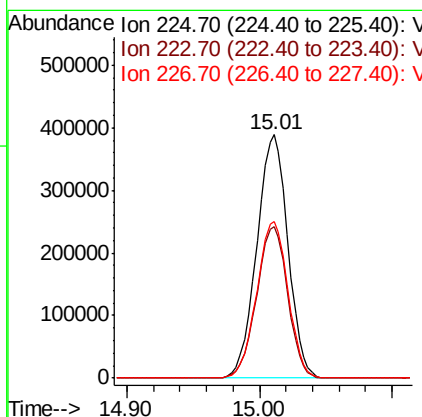
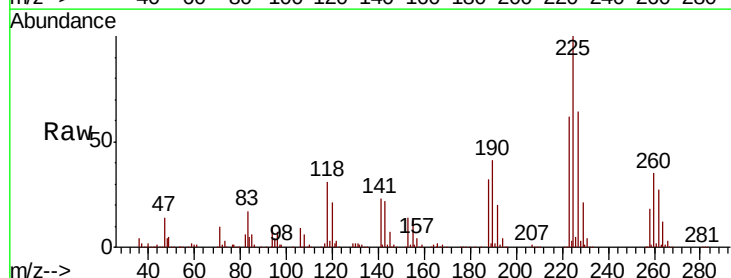
Manual Integrations
 APPROVED

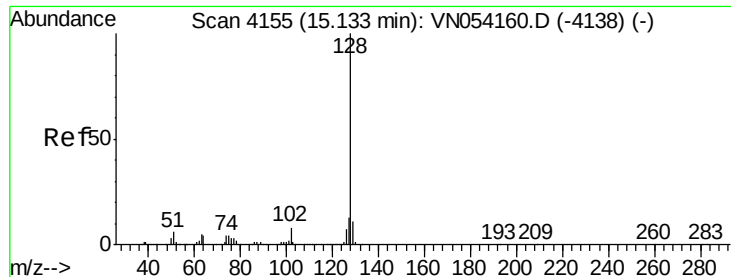
MMDadoda
 3/13/2019 11:41:38 AM



#94
 Hexachlorobutadiene
 Concen: 47.666 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054177.D
 Acq: 12 Mar 2019 21:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.1	93.5
227	64.8	31.9	95.9





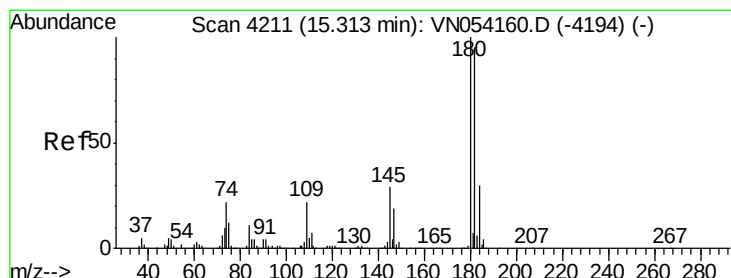
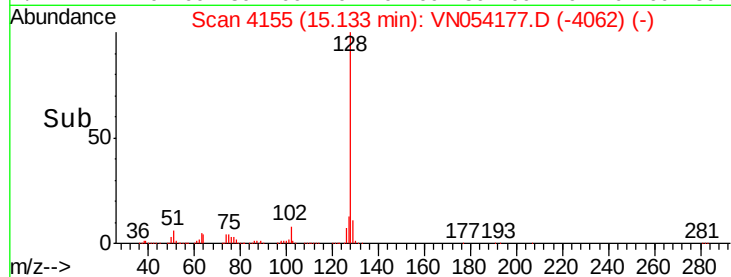
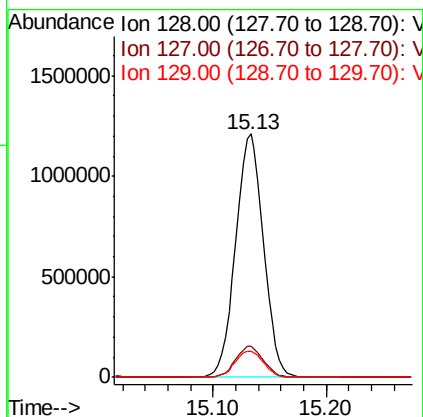
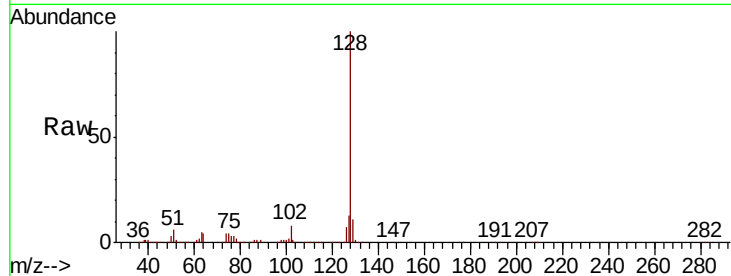
#95
Naphthalene
Concen: 47.527 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:41:38 AM



#96
1,2,3-Trichlorobenzene
Concen: 55.004 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054177.D
Acq: 12 Mar 2019 21:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.5	142.6
145	29.8	14.8	44.3

