

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110618\
 Data File : VN052177.D
 Acq On : 6 Nov 2018 8:20
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 5:58:42 PM

Quant Time: Nov 06 16:17:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 15:24:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	391442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	656048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	592123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	273648	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	234782	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
35) Dibromofluoromethane	7.59	113	207777	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	10.09	98	805220	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.40	95	277371	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	170063	49.822	ug/l	99
3) Chloromethane	2.06	50	224761	48.785	ug/l	100
4) Vinyl Chloride	2.19	62	224106	50.788	ug/l	94
5) Bromomethane	2.57	94	153305	46.472	ug/l	95
6) Chloroethane	2.71	64	141314	50.086	ug/l	93
7) Trichlorofluoromethane	3.02	101	329986	51.482	ug/l	100
8) Diethyl Ether	3.41	74	111214	49.664	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	201173	52.522	ug/l	94
10) Methyl Iodide	3.96	142	265810	49.153	ug/l	98
11) Tert butyl alcohol	4.78	59	52657	260.022	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	180460	50.043	ug/l	91
13) Acrolein	3.61	56	48663	241.321	ug/l	99
14) Allyl chloride	4.33	41	301178	50.042	ug/l	93
15) Acrylonitrile	4.99	53	333673	251.128	ug/l	100
16) Acetone	3.81	43	292601	278.237	ug/l	99
17) Carbon Disulfide	4.06	76	532769	51.773	ug/l	98
18) Methyl Acetate	4.32	43	154895	47.593	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	514099	51.753	ug/l	96
20) Methylene Chloride	4.55	84	209500	47.945	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	206182	54.980	ug/l	94
22) Diisopropyl ether	5.95	45	695451	52.415	ug/l	96
23) Vinyl Acetate	5.90	43	2395755	274.520	ug/l	99
24) 1,1-Dichloroethane	5.85	63	385313	51.336	ug/l	97
25) 2-Butanone	6.83	43	425298	260.809	ug/l	99
26) 2,2-Dichloropropane	6.82	77	316863	53.975	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	238221	52.365	ug/l	93
28) Bromochloromethane	7.19	49	192978	54.308	ug/l	88
29) Tetrahydrofuran	7.21	42	262186	259.860	ug/l	99
30) Chloroform	7.37	83	401266	53.683	ug/l	96
31) Cyclohexane	7.65	56	373651	54.188	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	336521	50.755	ug/l	96
36) 1,1-Dichloropropene	7.79	75	305588	52.655	ug/l	96
37) Ethyl Acetate	6.92	43	185591	50.786	ug/l	95
38) Carbon Tetrachloride	7.78	117	302965	52.252	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	382140	55.597	ug/l	96
40) Benzene	8.04	78	897840	52.626	ug/l	98
41) Methacrylonitrile	7.18	41	104297	55.524	ug/l #	92
42) 1,2-Dichloroethane	8.12	62	286625	52.261	ug/l	98
43) Isopropyl Acetate	8.16	43	336133	50.760	ug/l	99
44) Trichloroethene	8.84	130	238290	52.755	ug/l	84
45) 1,2-Dichloropropane	9.12	63	240153	53.152	ug/l	100
46) Dibromomethane	9.21	93	148612	51.719	ug/l #	90
47) Bromodichloromethane	9.40	83	303265	54.116	ug/l #	94
48) Methyl methacrylate	9.20	41	171995	53.966	ug/l	99
49) 1,4-Dioxane	9.20	88	30058	1112.430	ug/l	91
51) 4-Methyl-2-Pentanone	9.98	43	917742	262.332	ug/l	99
52) Toluene	10.16	92	558932	54.328	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	311285	56.623	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	352298	54.764	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	195243	53.827	ug/l	96
56) Ethyl methacrylate	10.43	69	257693	54.504	ug/l	97
57) 1,3-Dichloropropane	10.71	76	336430	52.649	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	708241	278.345	ug/l	93
59) 2-Hexanone	10.75	43	670317	275.249	ug/l	100
60) Dibromochloromethane	10.90	129	221783	53.766	ug/l	98
61) 1,2-Dibromoethane	11.00	107	197774	53.713	ug/l	98
64) Tetrachloroethene	10.63	164	210443	54.858	ug/l	94
65) Chlorobenzene	11.43	112	627869	52.023	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	219118	54.062	ug/l	98
67) Ethyl Benzene	11.51	91	1079108	53.833	ug/l	96
68) m/p-Xylenes	11.62	106	838789	108.444	ug/l	92
69) o-Xylene	11.95	106	404031	53.863	ug/l	92
70) Styrene	11.96	104	646065	54.407	ug/l	97
71) Bromoform	12.13	173	130774	48.479	ug/l #	98
73) Isopropylbenzene	12.25	105	1065807	51.512	ug/l	97
74) N-amyl acetate	12.07	43	313117	51.306	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	226864	50.092	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	199667m	55.203	ug/l	
77) Bromobenzene	12.53	156	249044	50.476	ug/l	77
78) n-propylbenzene	12.59	91	1252408	52.965	ug/l	96
79) 2-Chlorotoluene	12.67	91	694876	50.113	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	871500	52.037	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	66951	55.667	ug/l	96
82) 4-Chlorotoluene	12.77	91	723351	51.902	ug/l	93
83) tert-Butylbenzene	12.99	119	761646	51.503	ug/l	91
84) 1,2,4-Trimethylbenzene	13.04	105	875160	52.495	ug/l	95
85) sec-Butylbenzene	13.17	105	1055382	52.778	ug/l	96
86) p-Isopropyltoluene	13.29	119	899433	53.439	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	460693	52.838	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	460215	52.808	ug/l	95
89) n-Butylbenzene	13.62	91	788919	54.132	ug/l	96
90) Hexachloroethane	13.87	117	154017	54.297	ug/l	84
91) 1,2-Dichlorobenzene	13.65	146	423110	51.709	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32883	55.003	ug/l	73

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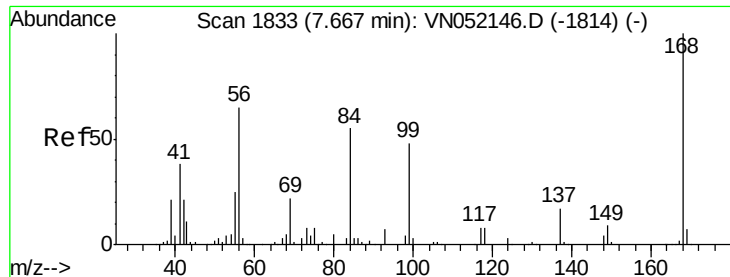
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	194756	50.446	ug/l	96
94) Hexachlorobutadiene	15.01	225	100224	52.136	ug/l	98
95) Naphthalene	15.13	128	431126	51.449	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	169433	50.948	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 391442

Ion Ratio Lower Upper

168 100

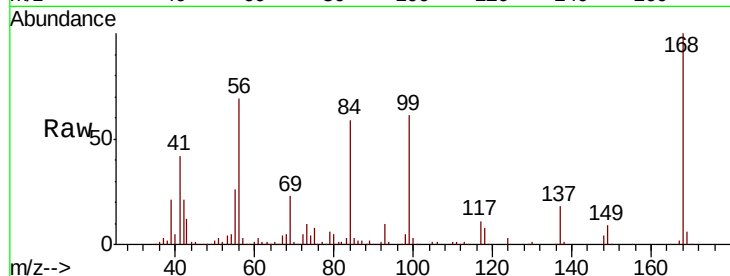
99 60.7 56.6 85.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

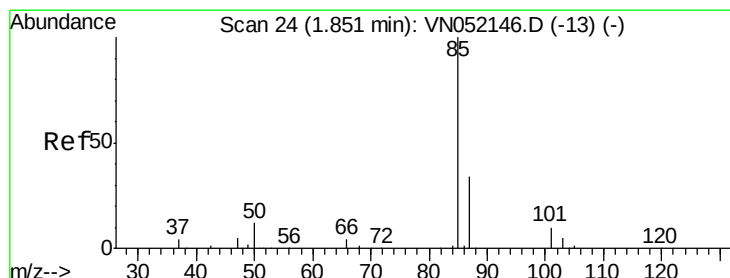
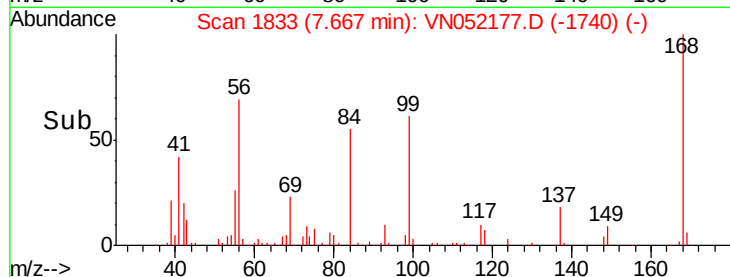
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.822 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052177.D

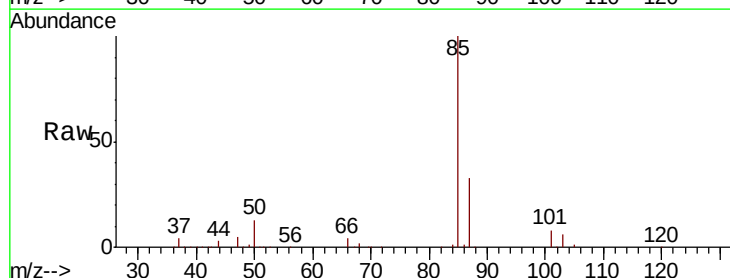
Acq: 6 Nov 2018 8:20

Tgt Ion: 85 Resp: 170063

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

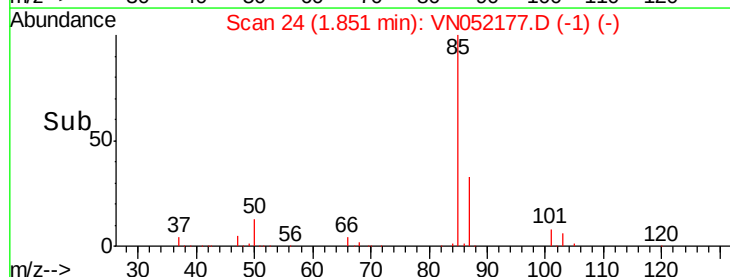
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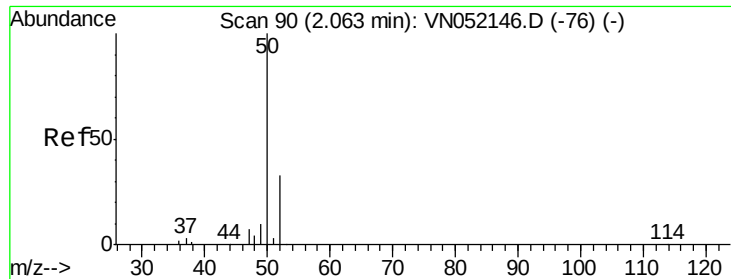
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 48.785 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 224761

Ion Ratio Lower Upper

50 100

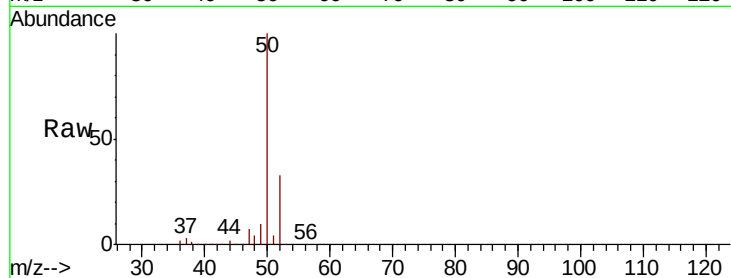
52 33.3 26.6 39.8

Manual Integrations

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11/6/2018 5:58:42 PM



Abundance Ion 49.90 (49.60 to 50.60): VN052177.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN052177.D (-1) (-)

2.06

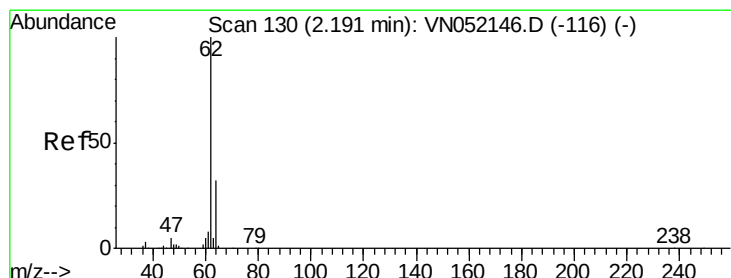
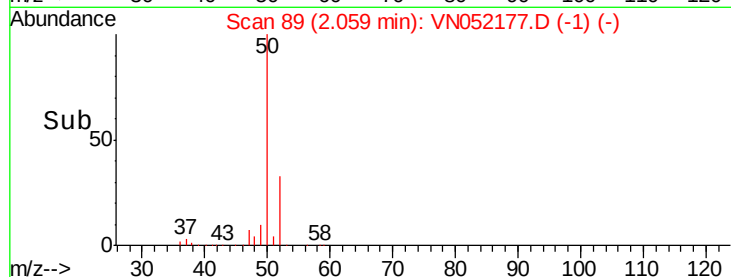
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 50.788 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052177.D

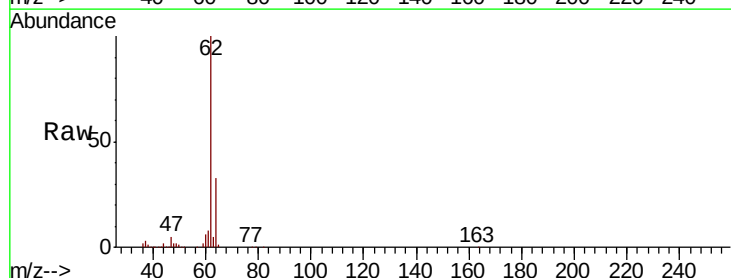
Acq: 6 Nov 2018 8:20

Tgt Ion: 62 Resp: 224106

Ion Ratio Lower Upper

62 100

64 32.8 23.7 35.5



Abundance Ion 61.90 (61.60 to 62.60): VN052177.D (-37) (-)

Ion 63.90 (63.60 to 64.60): VN052177.D (-37) (-)

2.19

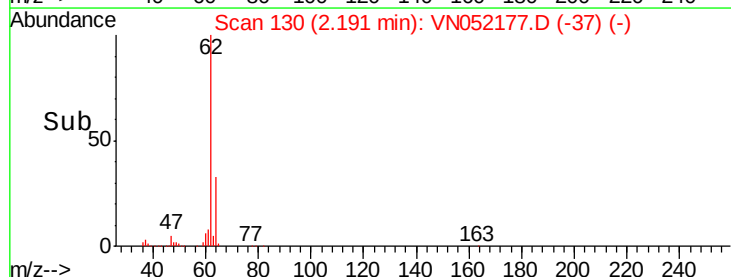
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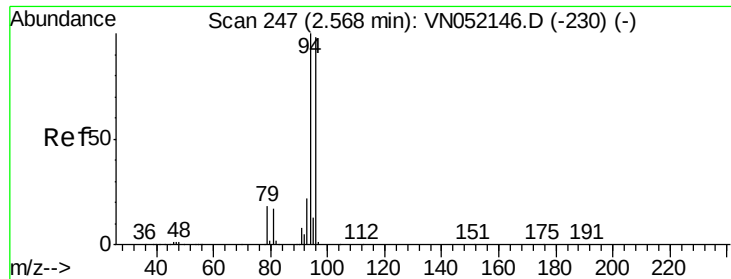
100000

50000

0

Time-->





#5

Bromomethane

Concen: 46.472 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 153305

Ion Ratio Lower Upper

94 100

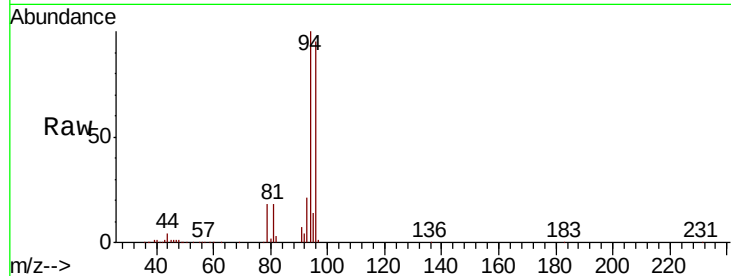
96 94.8 71.8 107.6

Manual Integrations

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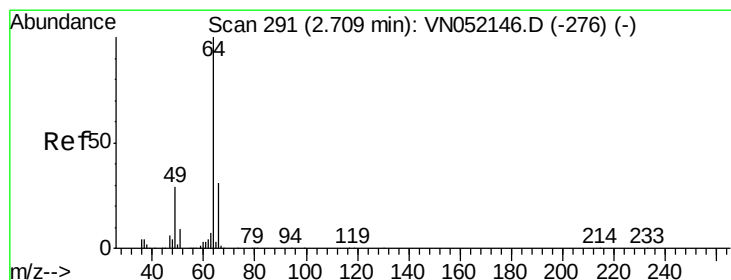
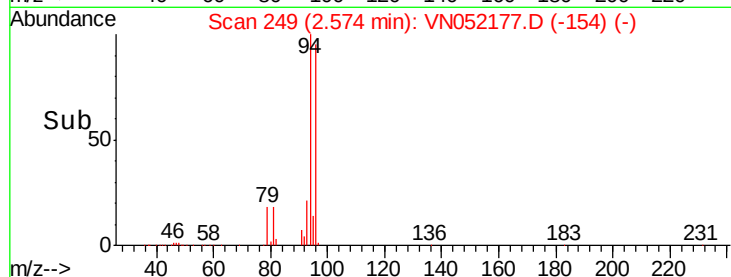
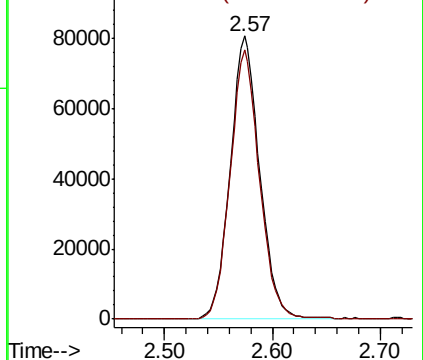
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 50.086 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052177.D

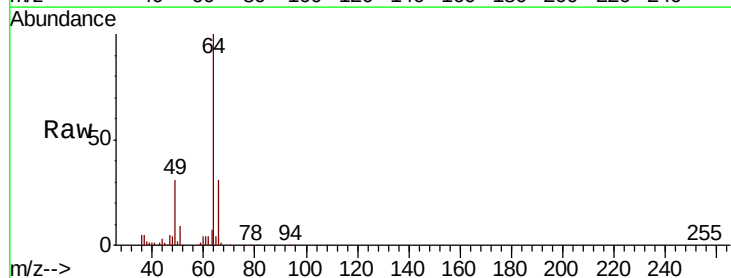
Acq: 6 Nov 2018 8:20

Tgt Ion: 64 Resp: 141314

Ion Ratio Lower Upper

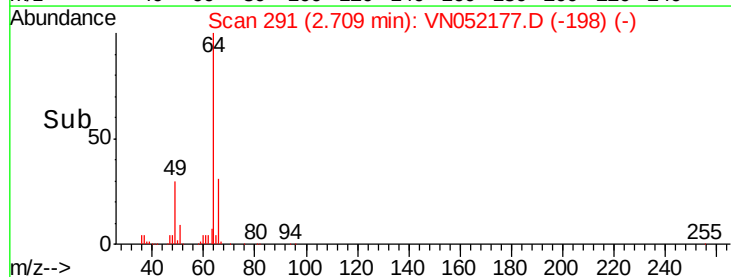
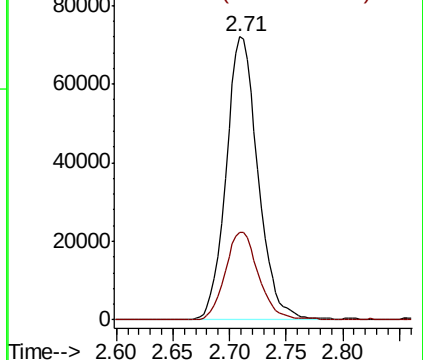
64 100

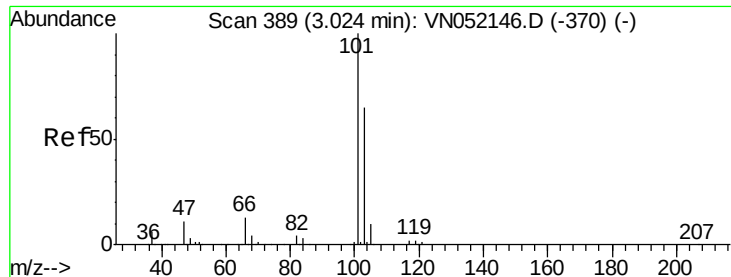
66 30.9 27.9 41.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

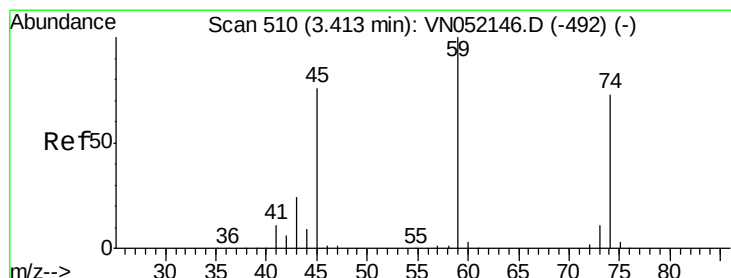
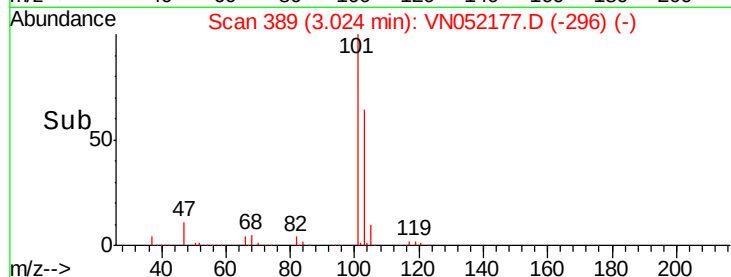
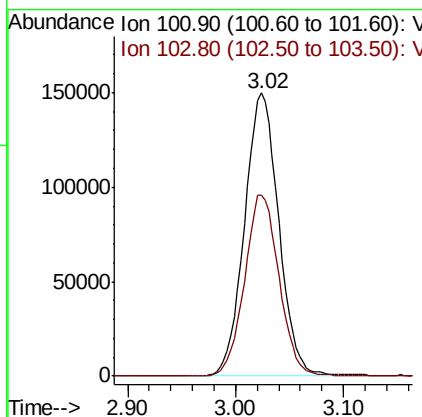
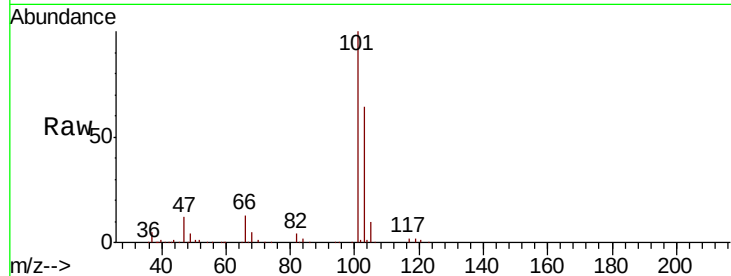
Trichlorofluoromethane
Concen: 51.482 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.0	76.4

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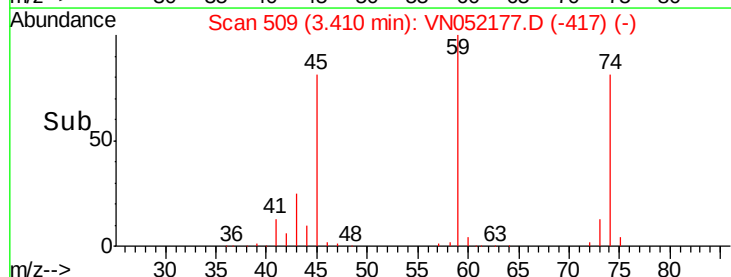
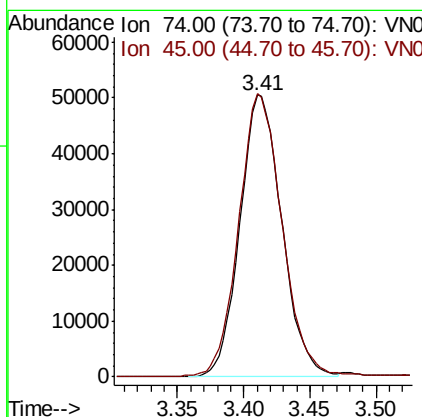
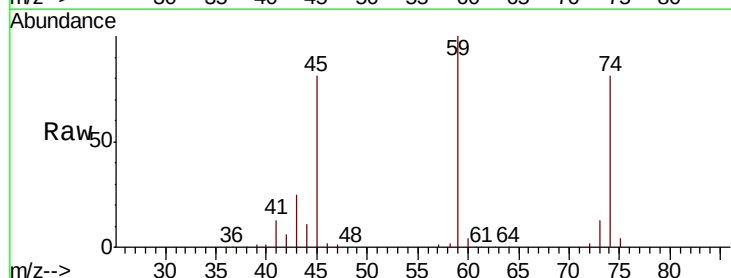
MMDadoda
11/6/2018 5:58:42 PM

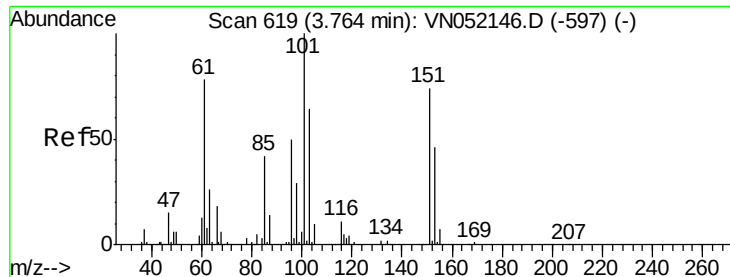


#8

Diethyl Ether
Concen: 49.664 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.5	55.6	166.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.522 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

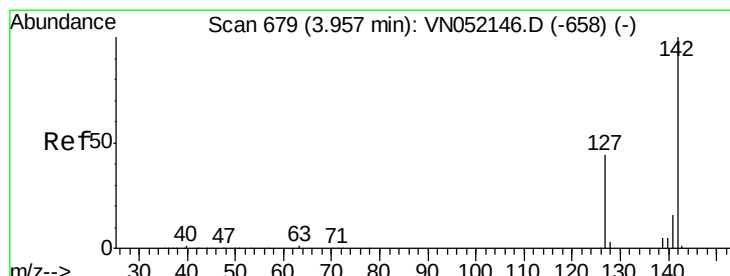
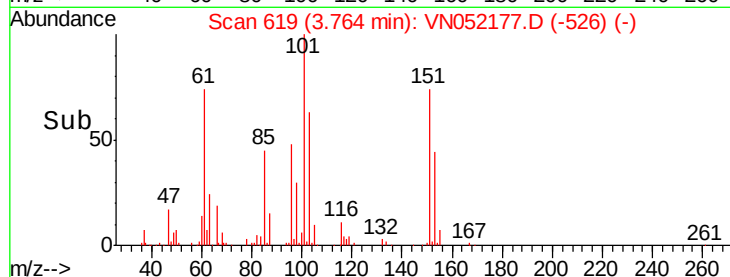
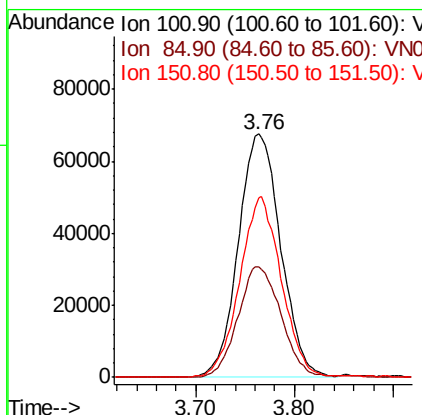
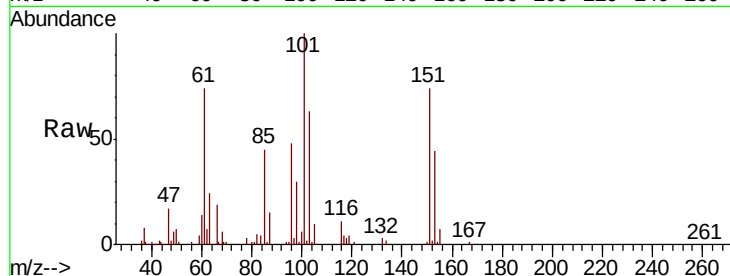
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	201173
Ion Ratio	Lower	Upper	
101	100		
85	46.0	38.6	58.0
151	72.6	52.6	78.8

Manual Integrations
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#10

Methyl Iodide

Concen: 49.153 ug/l

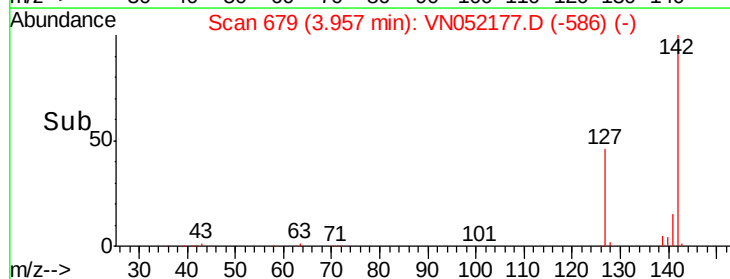
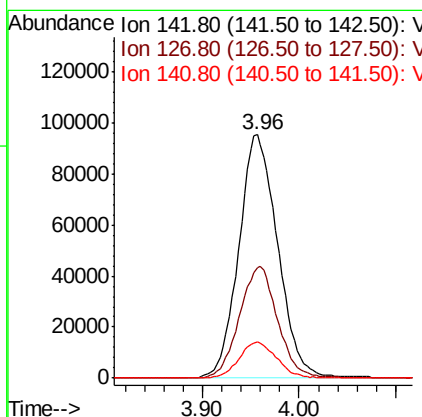
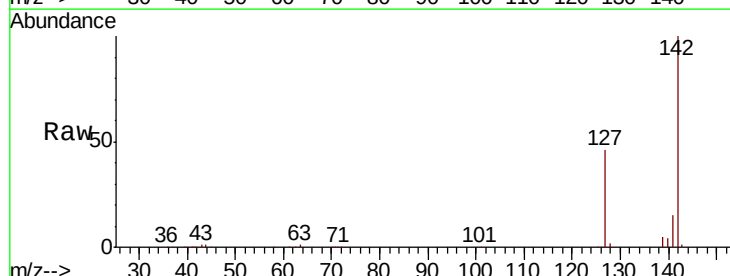
RT: 3.96 min Scan# 679

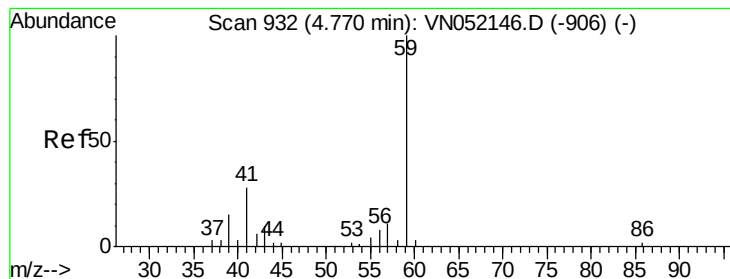
Delta R.T. 0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Tgt Ion:	142	Resp:	265810
Ion Ratio	Lower	Upper	
142	100		
127	45.2	37.3	55.9
141	14.5	11.4	17.2





#11

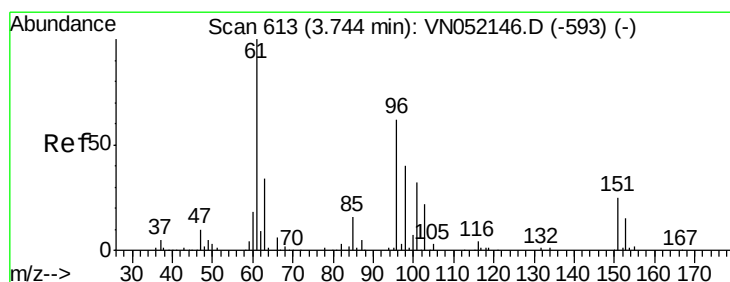
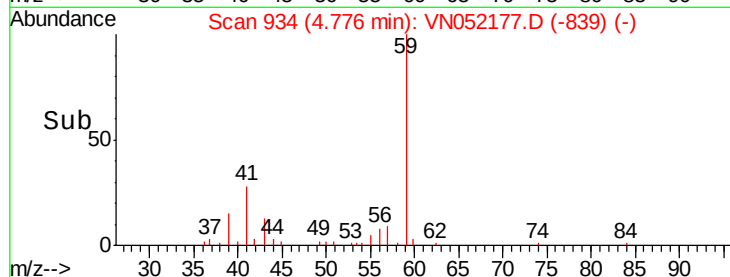
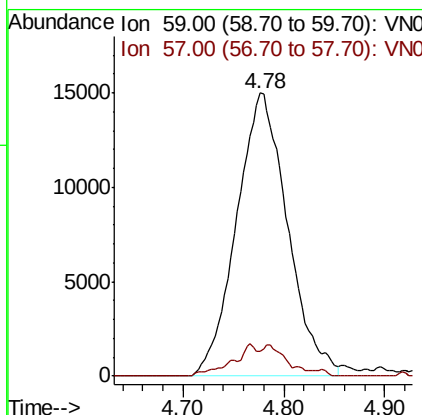
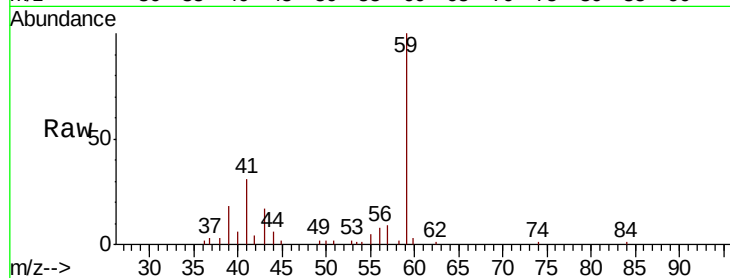
Tert butyl alcohol
 Concen: 260.022 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.01 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.8	7.0	10.6#

Manual Integrations
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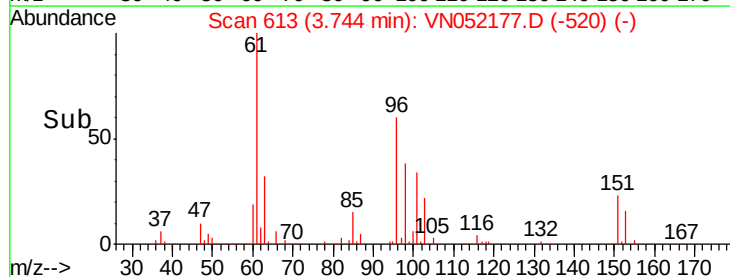
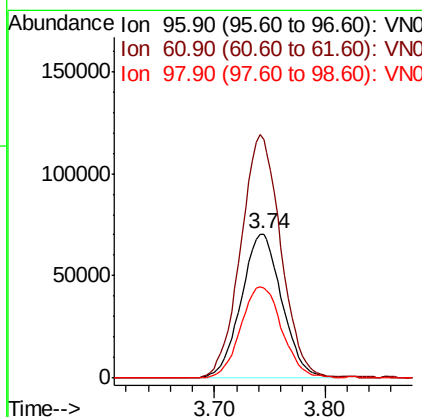
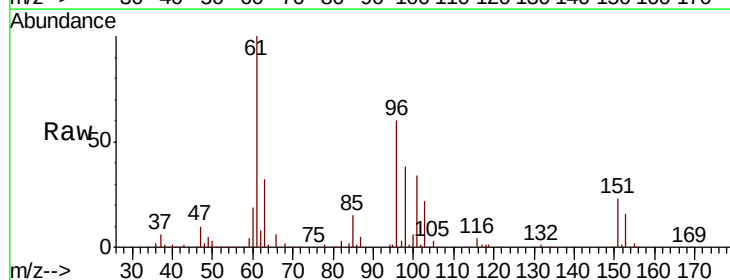
MMDadoda
 11/6/2018 5:58:42 PM

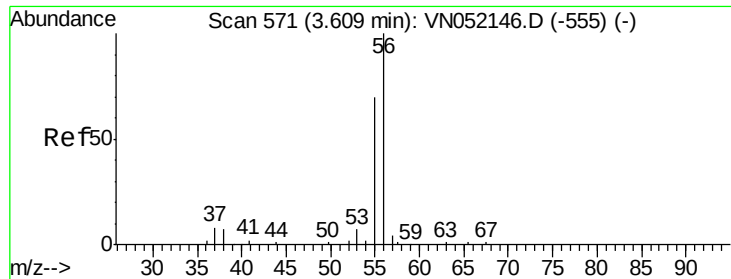


#12

1,1-Dichloroethene
 Concen: 50.043 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.4	145.7	218.5
98	62.6	49.8	74.8





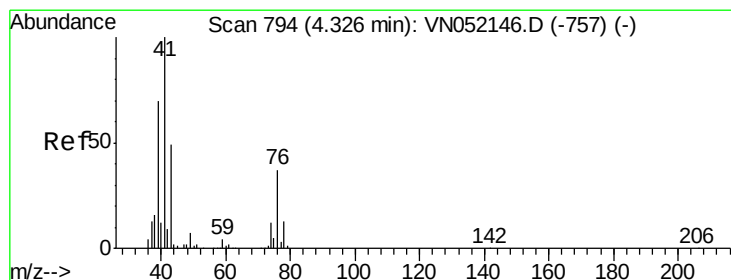
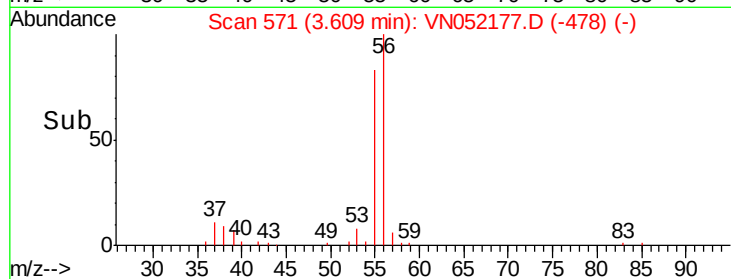
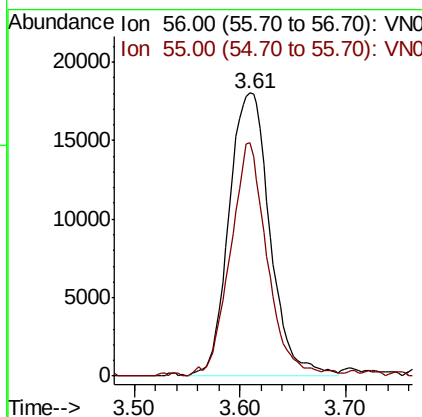
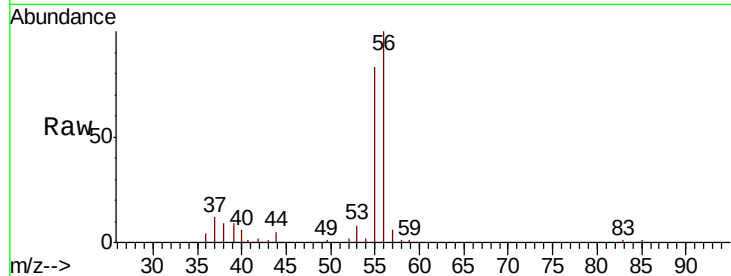
#13
Acrolein
Concen: 241.321 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Resp	Ratio	Lower	Upper
56	100					
55	73.8		59.9		89.9	

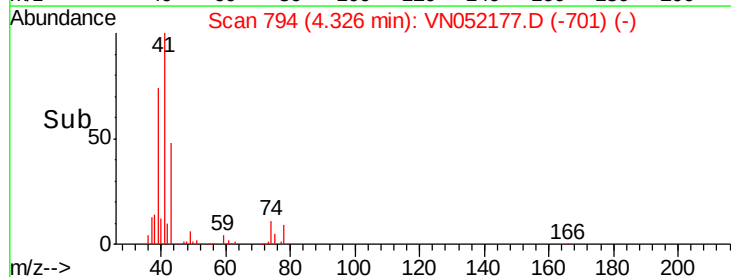
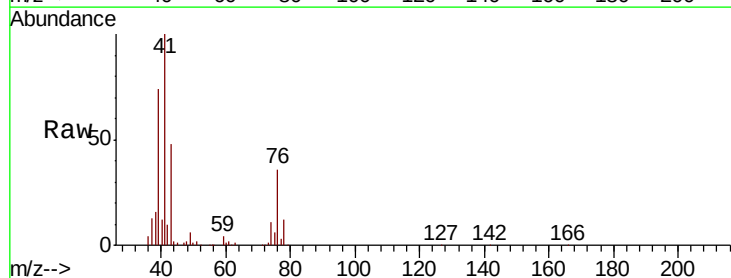
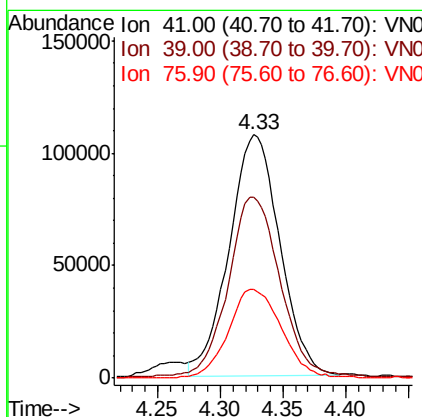
Manual Integrations
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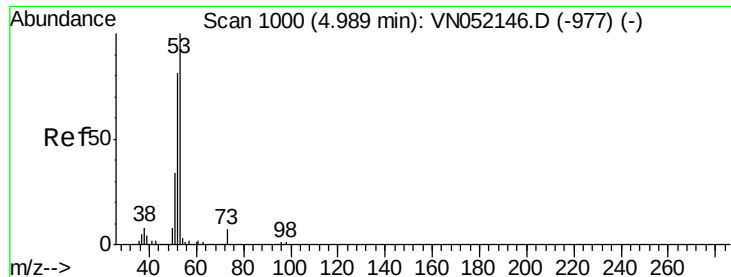
MMDadoda
11/6/2018 5:58:42 PM



#14
Allyl chloride
Concen: 50.042 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Tgt Ion	41	39	76	Resp	Ratio	Lower	Upper
41	100						
39	77.9			58.1		87.1	
76	38.0			26.0		39.0	





#15

Acrylonitrile

Concen: 251.128 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

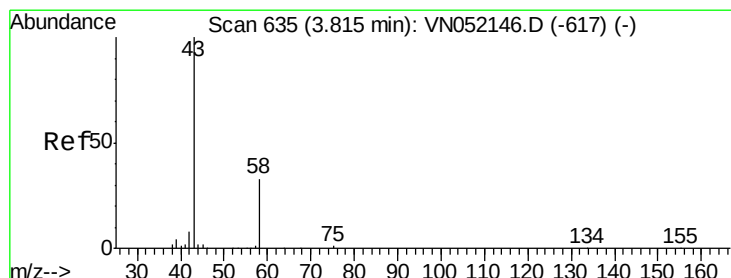
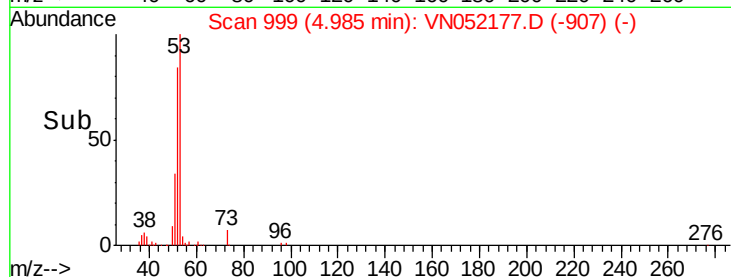
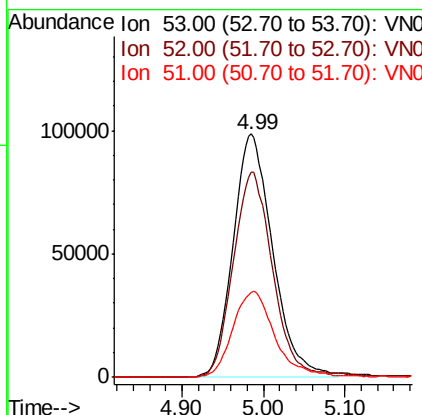
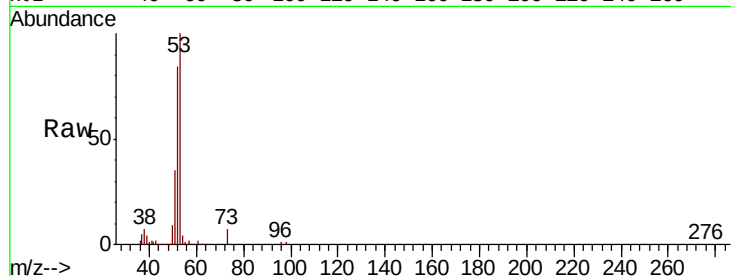
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	333673
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.6	100.0
51	37.2	29.0	43.6

Manual Integrations
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11/6/2018 5:58:42 PM



#16

Acetone

Concen: 278.237 ug/l

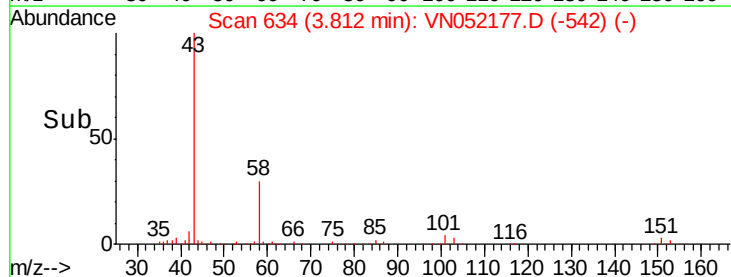
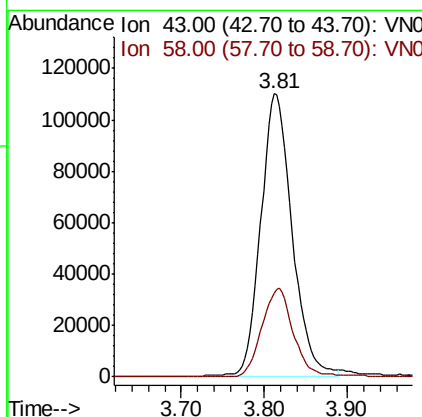
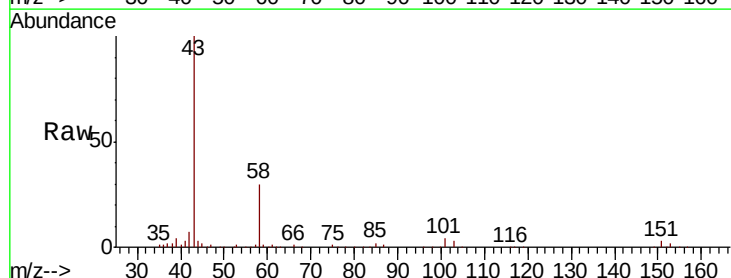
RT: 3.81 min Scan# 634

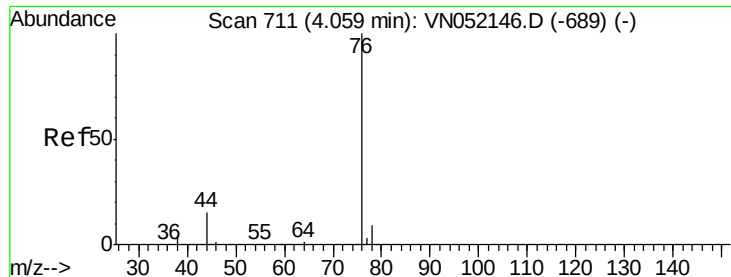
Delta R.T. -0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Tgt Ion:	43	Resp:	292601
Ion Ratio	Lower	Upper	
43	100		
58	29.6	24.2	36.2





#17

Carbon Disulfide

Concen: 51.773 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 532769

Ion Ratio Lower Upper

76 100

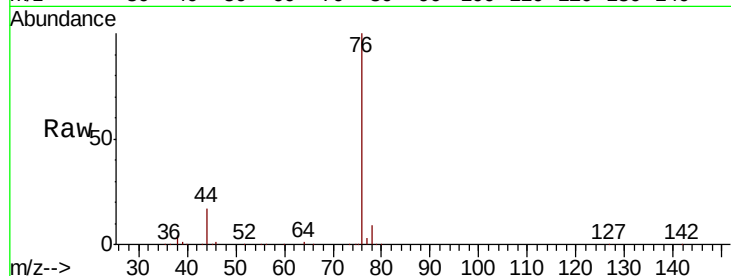
78 9.2 6.8 10.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

200000

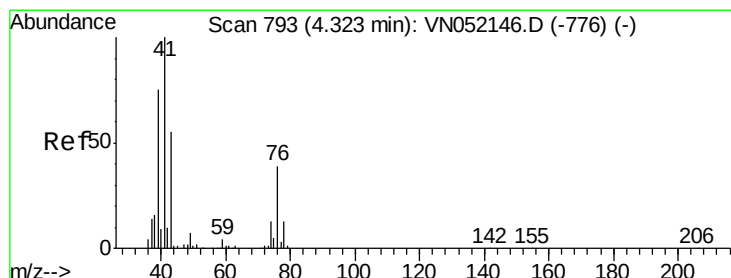
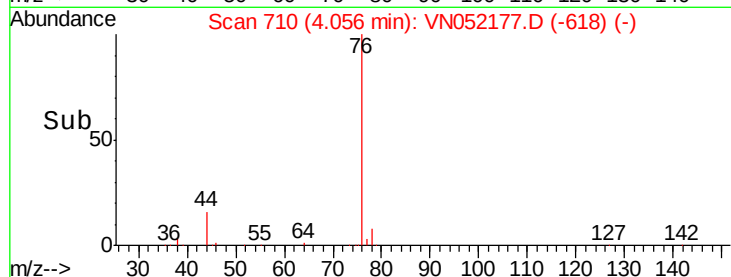
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.593 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN052177.D

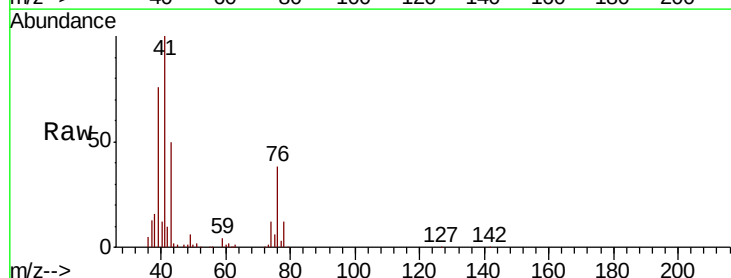
Acq: 6 Nov 2018 8:20

Tgt Ion: 43 Resp: 154895

Ion Ratio Lower Upper

43 100

74 22.7 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

60000

50000

40000

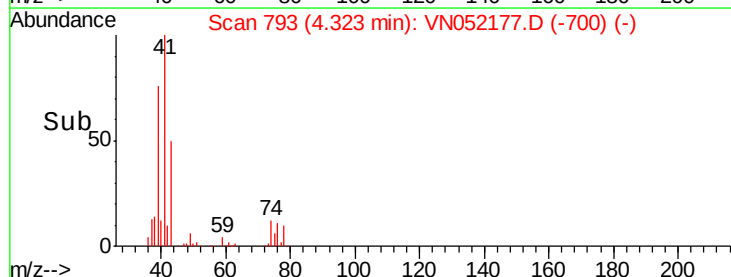
30000

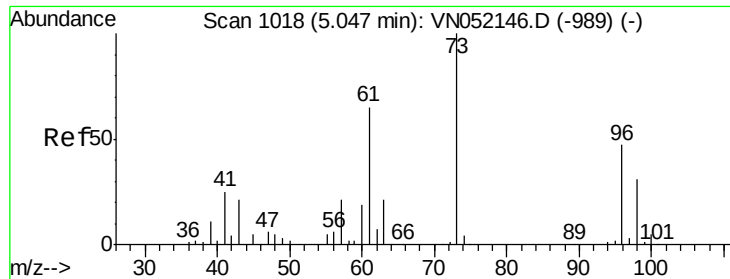
20000

10000

0

Time-->





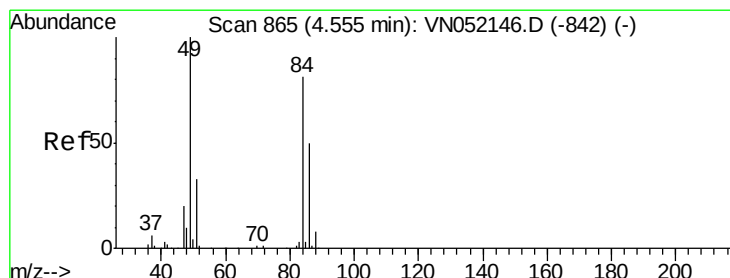
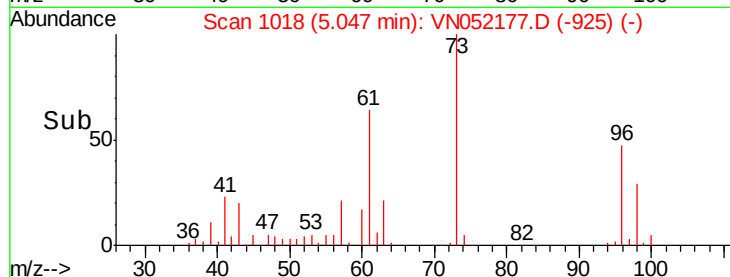
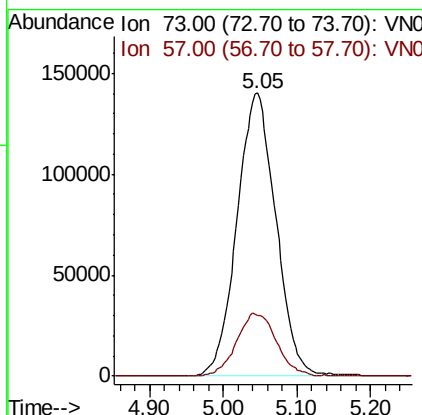
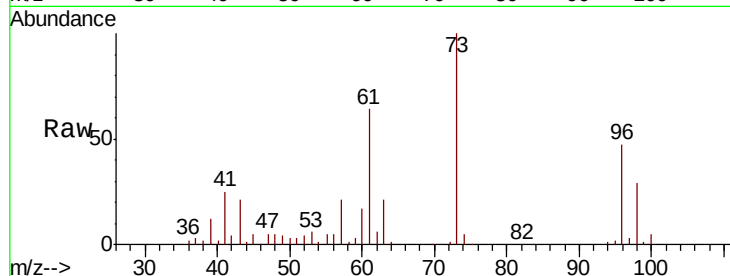
#19
Methvl tert-butvl Ether
Concen: 51.753 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 514099
Ion Ratio Lower Upper
73 100
57 21.5 18.7 28.1

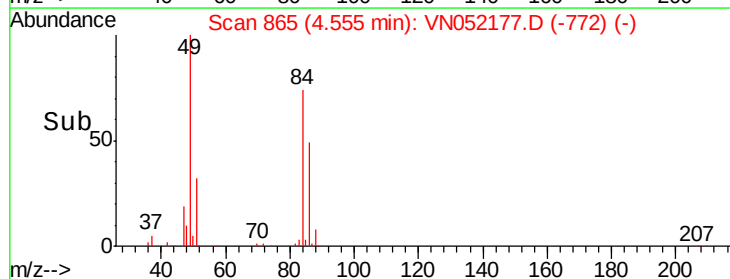
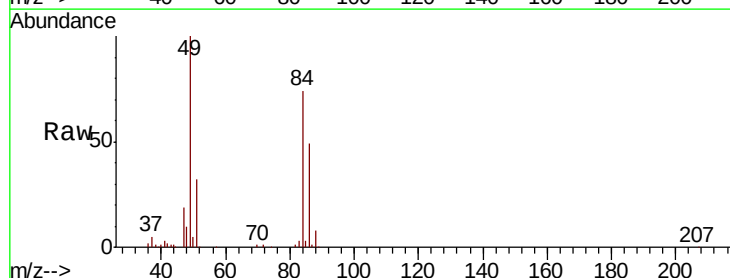
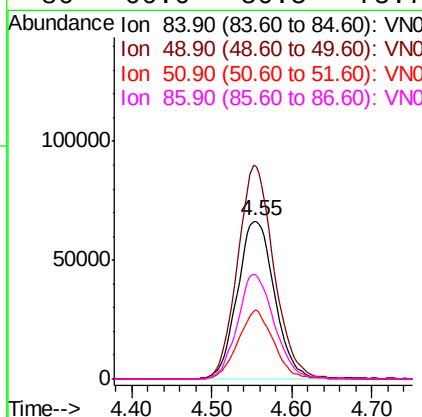
Manual Integrations
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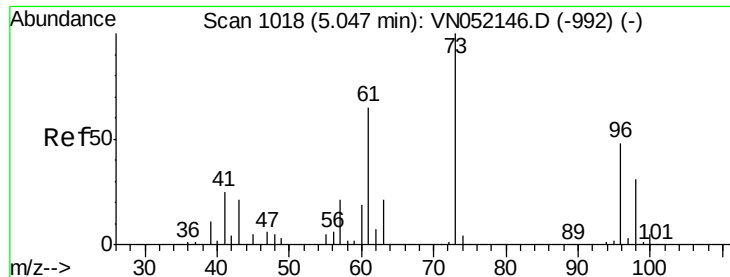
MMDadoda
11/6/2018 5:58:42 PM



#20
Methylene Chloride
Concen: 47.945 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Tgt Ion: 84 Resp: 209500
Ion Ratio Lower Upper
84 100
49 135.0 110.6 165.8
51 43.9 33.7 50.5
86 66.0 50.5 75.7





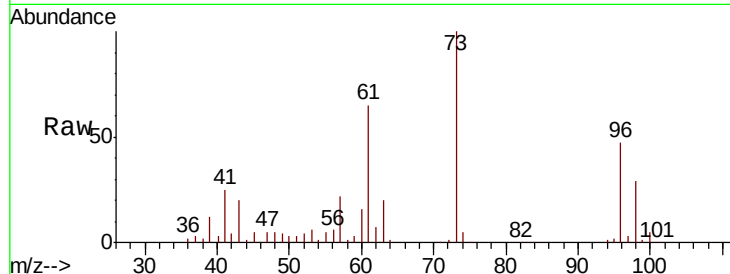
#21
trans-1,2-Dichloroethene
Concen: 54.980 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.0	118.6	178.0
98	61.0	49.7	74.5

Manual Integrations
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MMDadoda
11/6/2018 5:58:42 PM

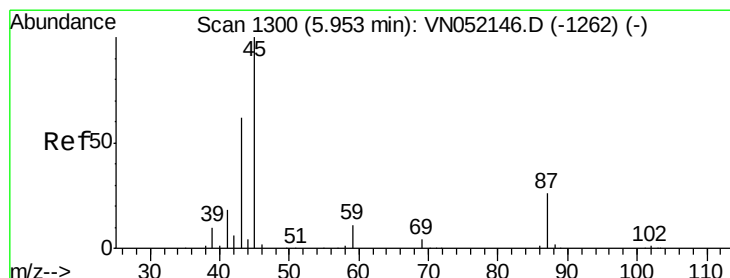
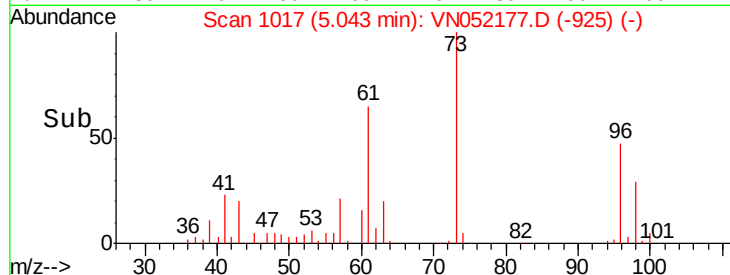
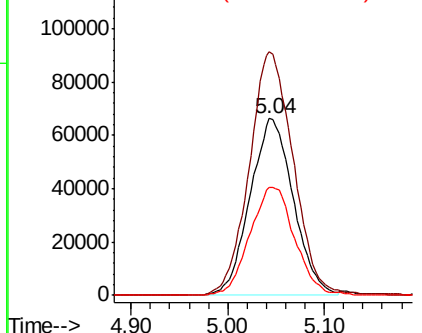


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 52.415 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.8	50.5	75.7
87	26.4	21.5	32.3
59	11.4	8.6	13.0

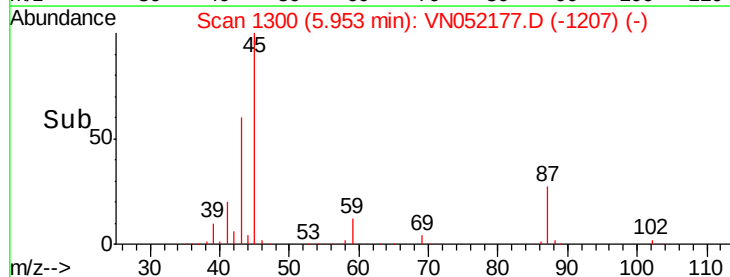
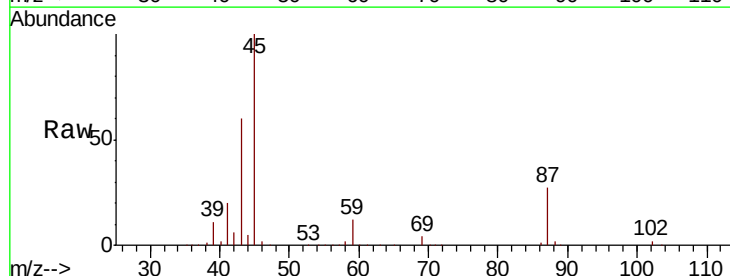
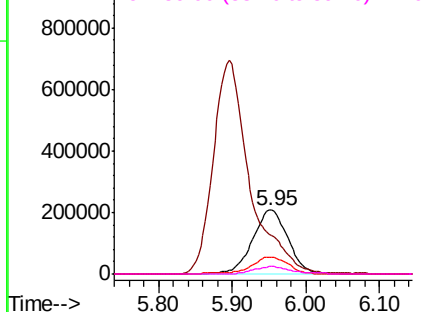
Abundance

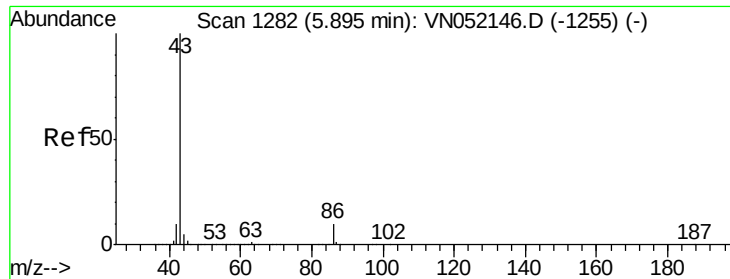
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 274.520 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2395755

Ion Ratio Lower Upper

43 100

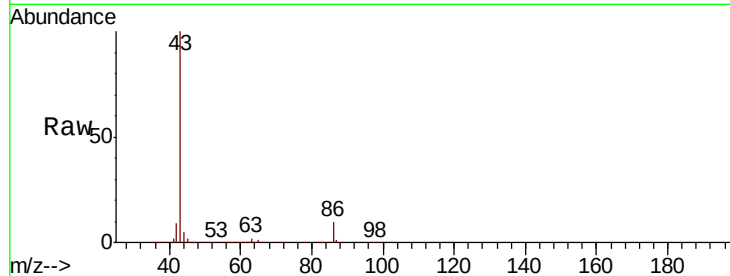
86 9.6 7.3 10.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN052146.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN052146.D (-1255) (-)

5.90

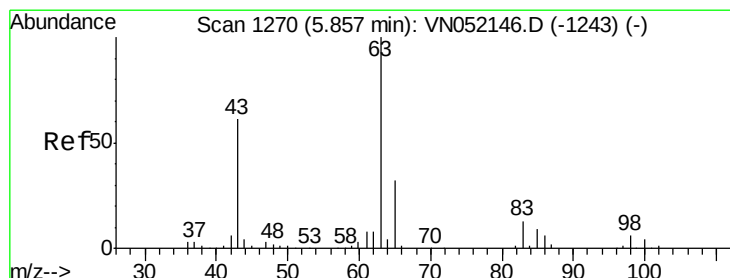
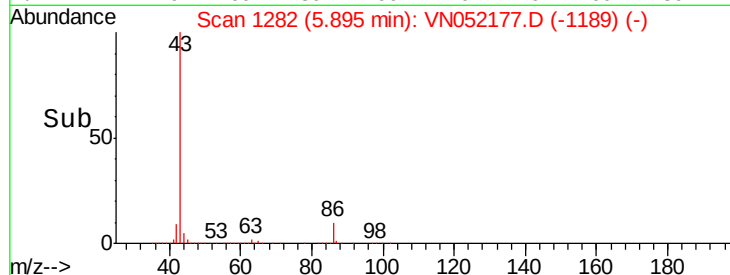
600000

400000

200000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 51.336 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

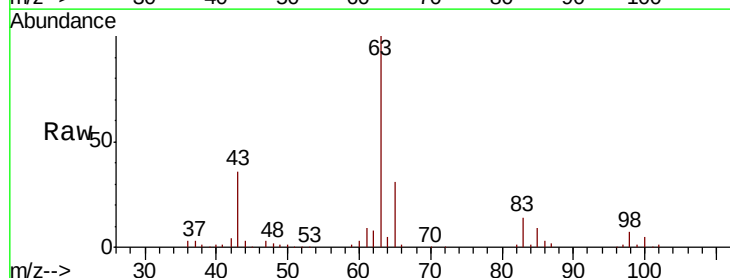
Tgt Ion: 63 Resp: 385313

Ion Ratio Lower Upper

63 100

98 7.1 2.8 8.4

100 4.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN052146.D (-1243) (-)

Ion 97.90 (97.60 to 98.60): VN052146.D (-1243) (-)

Ion 99.90 (99.60 to 100.60): VN052146.D (-1243) (-)

5.85

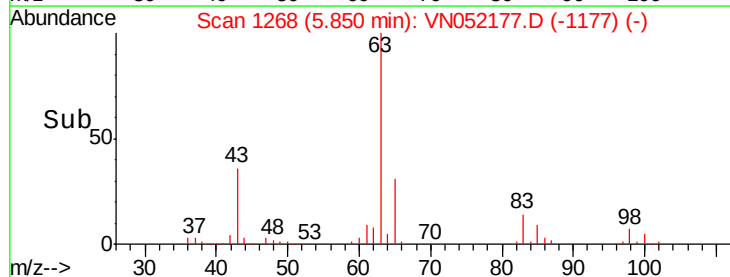
150000

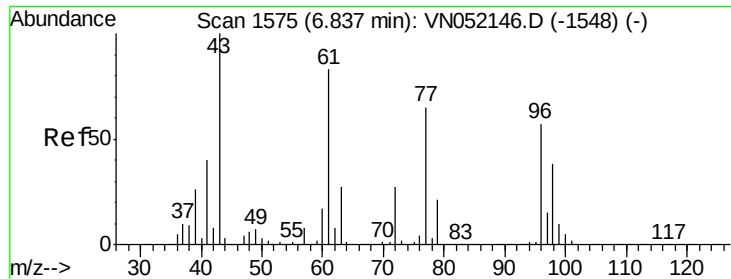
100000

50000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 260.809 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 425298

Ion Ratio Lower Upper

43 100

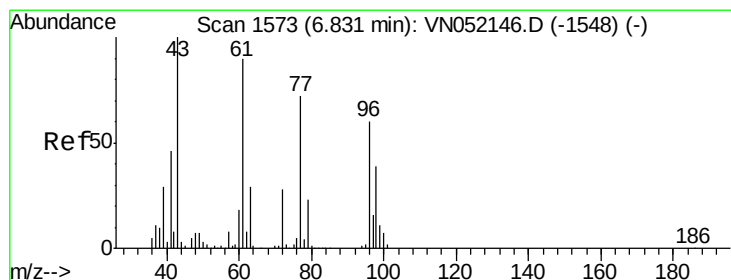
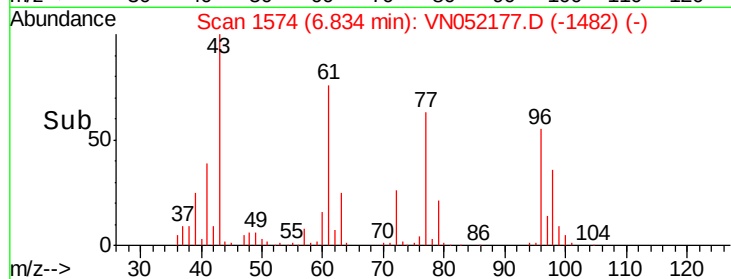
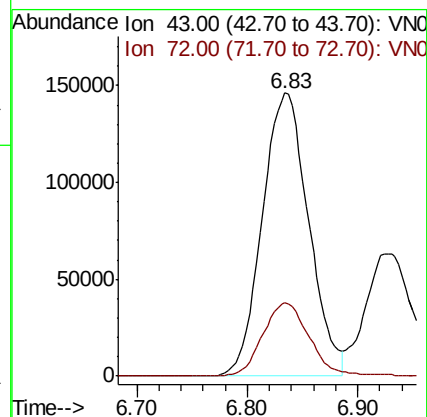
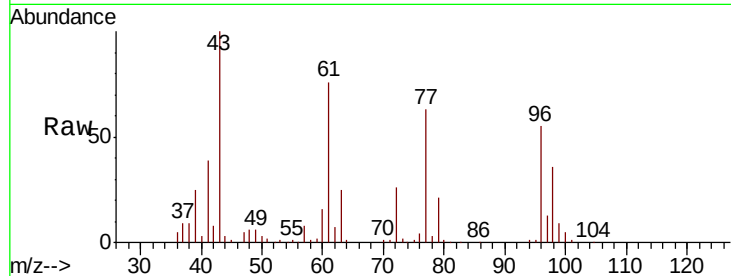
72 25.9 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

11/6/2018 5:58:42 PM



#26

2,2-Dichloropropane

Concen: 53.975 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VN052177.D

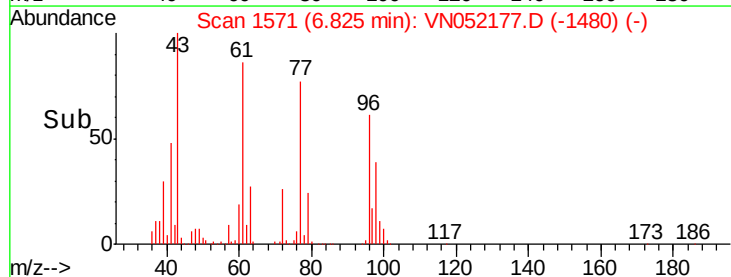
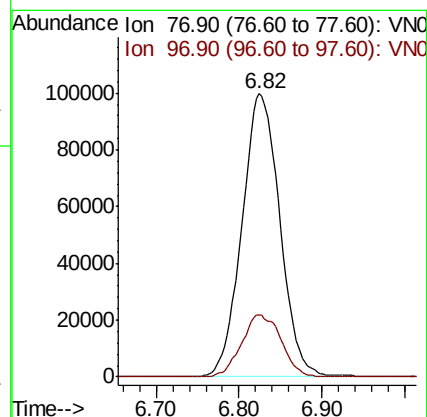
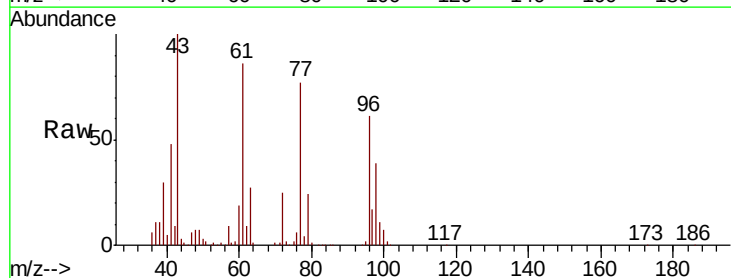
Acq: 6 Nov 2018 8:20

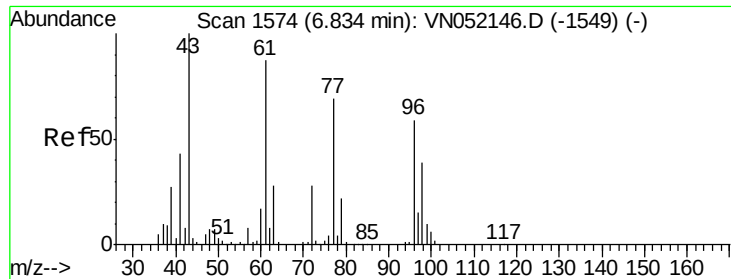
Tgt Ion: 77 Resp: 316863

Ion Ratio Lower Upper

77 100

97 22.9 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 52.365 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

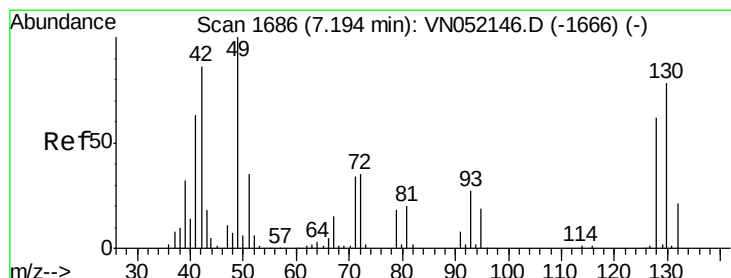
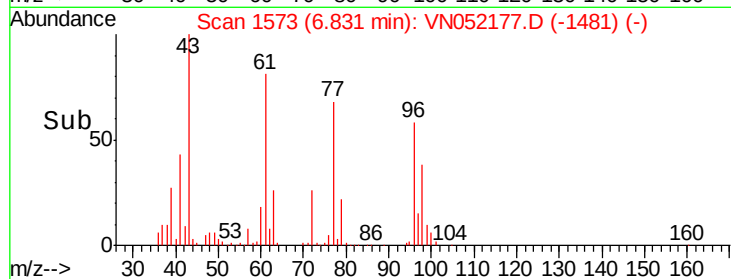
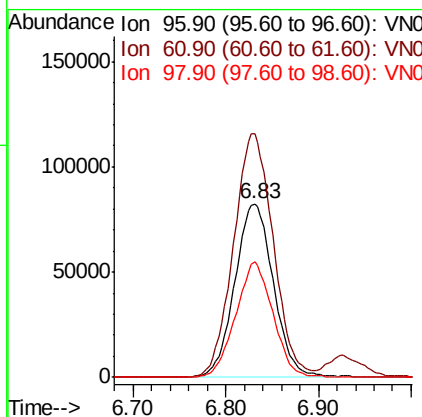
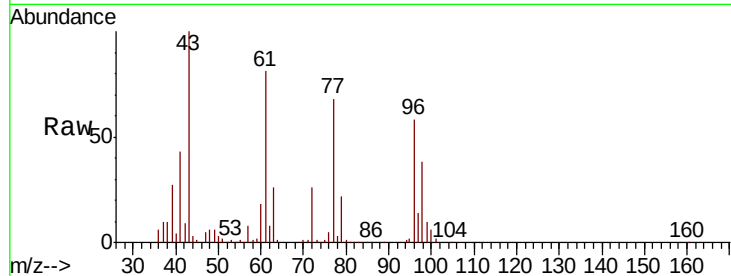
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	238221
Ion Ratio	Lower	Upper	
96	100		
61	144.5	0.0	312.8
98	64.0	0.0	127.0

Manual Integrations
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11/6/2018 5:58:42 PM



#28

Bromochloromethane

Concen: 54.308 ug/l

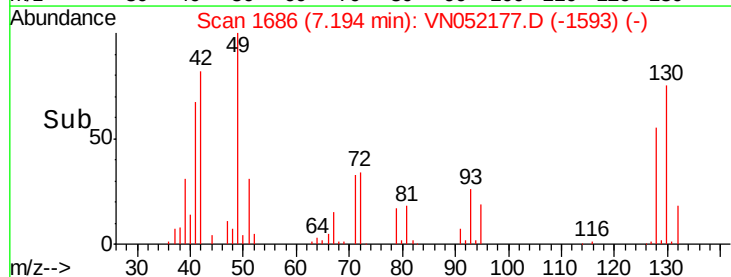
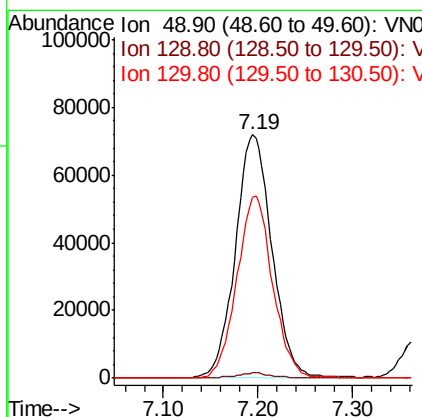
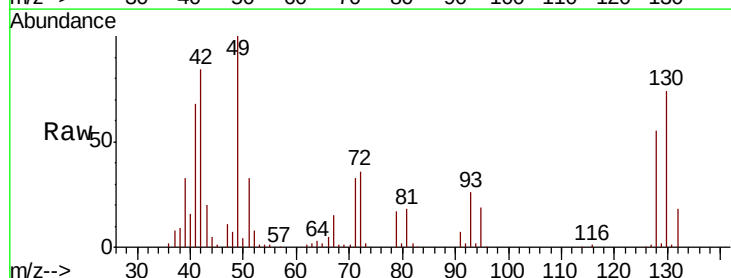
RT: 7.19 min Scan# 1686

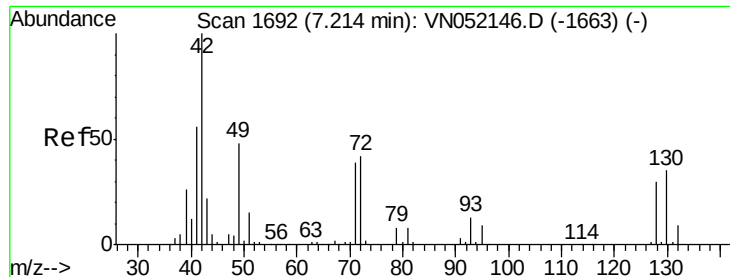
Delta R.T. 0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Tgt Ion:	49	Resp:	192978
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	2.4
130	73.0	50.8	76.2





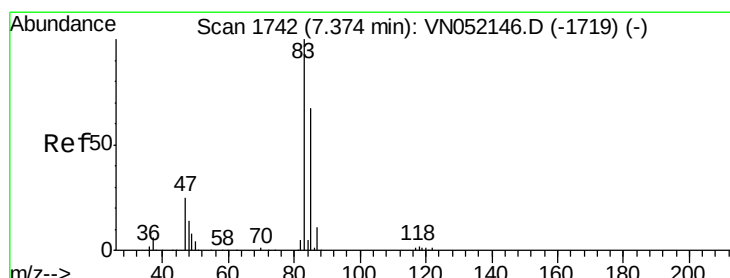
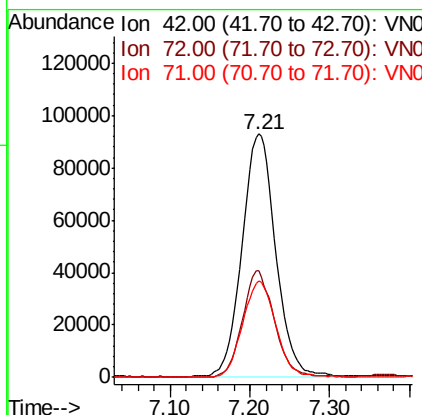
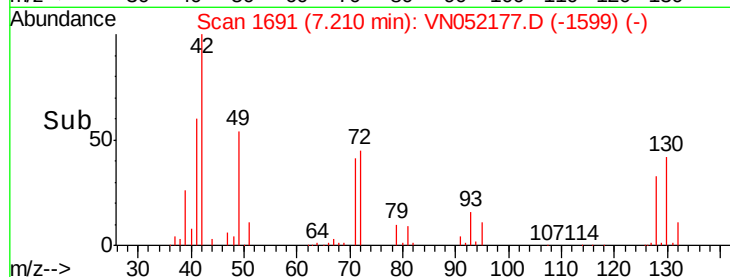
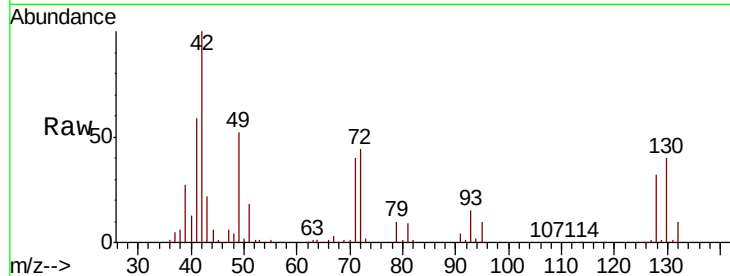
#29
Tetrahydrofuran
Concen: 259.860 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	32.5	48.7
71	39.3	30.6	46.0

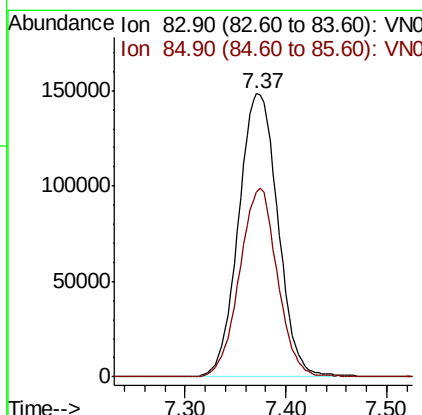
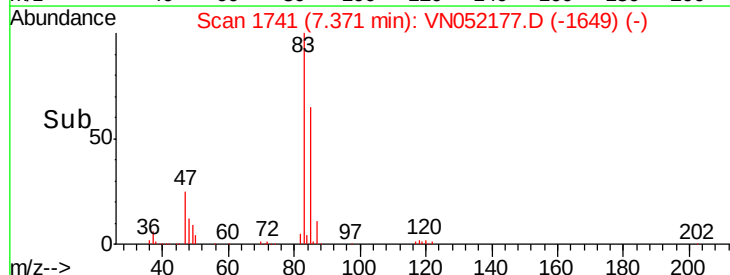
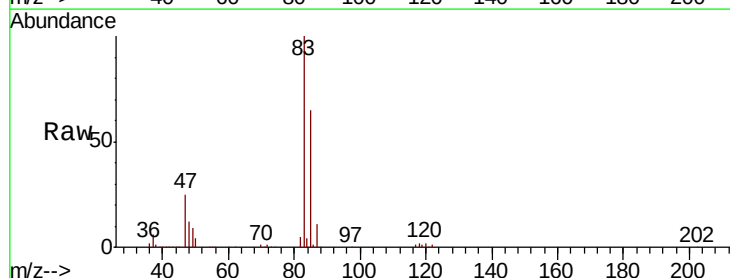
Manual Integrations
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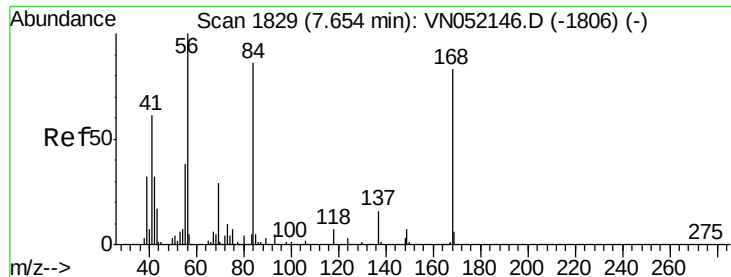
MMDadoda
11/6/2018 5:58:42 PM



#30
Chloroform
Concen: 53.683 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	49.6	74.4





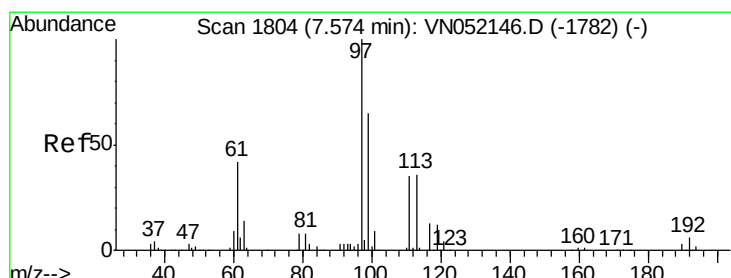
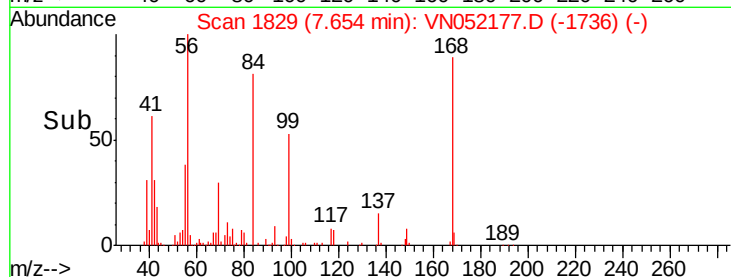
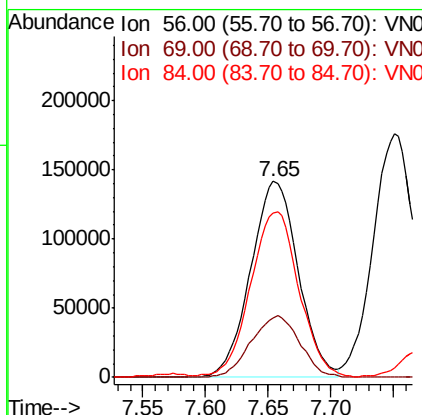
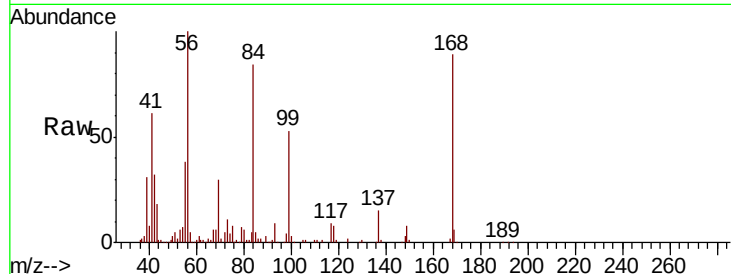
#31
Cyclohexane
Concen: 54.188 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	25.8	38.6
84	83.1	63.5	95.3

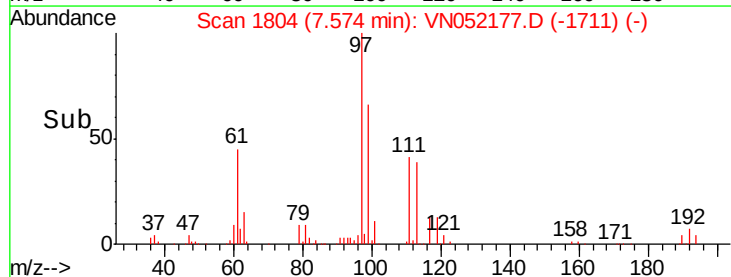
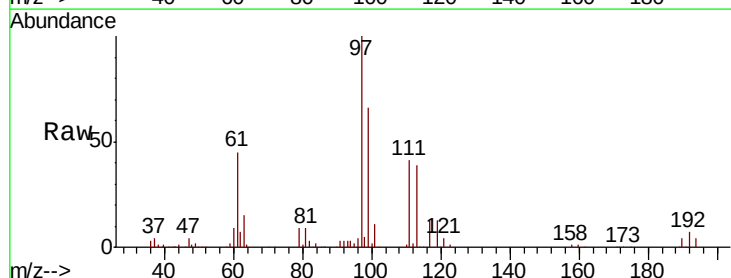
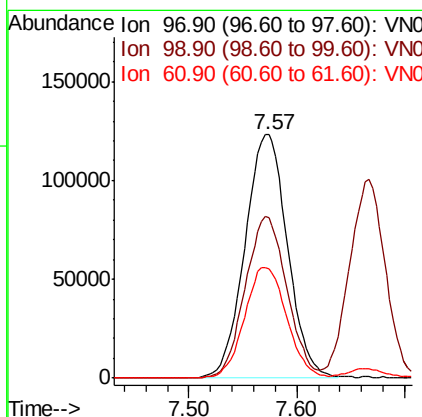
Manual Integrations
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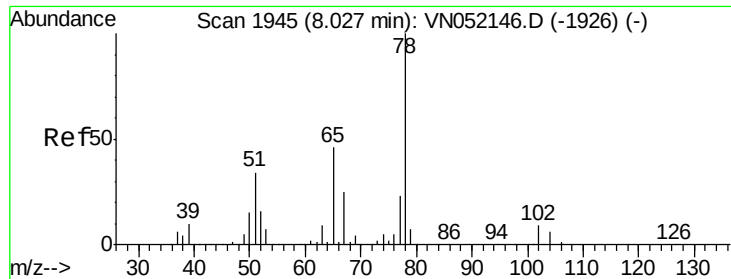
MMDadoda
11/6/2018 5:58:42 PM



#32
1,1,1-Trichloroethane
Concen: 50.755 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.4	77.2
61	45.4	40.3	60.5





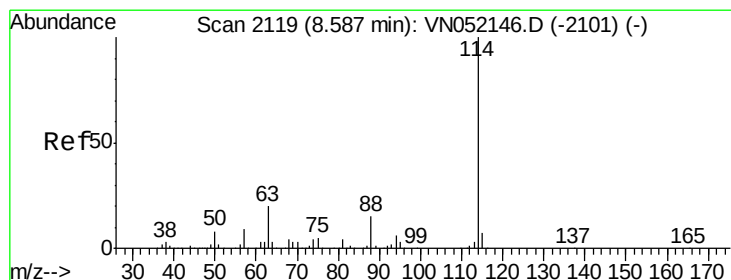
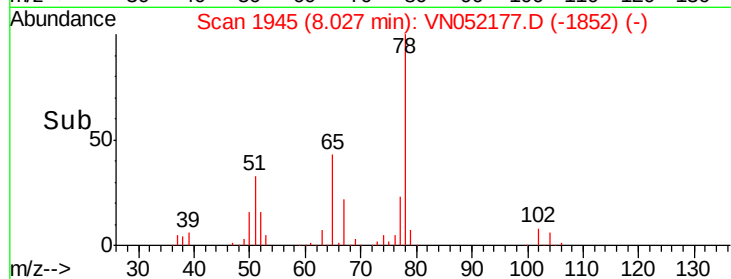
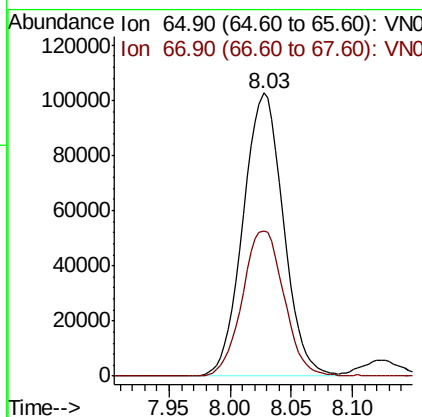
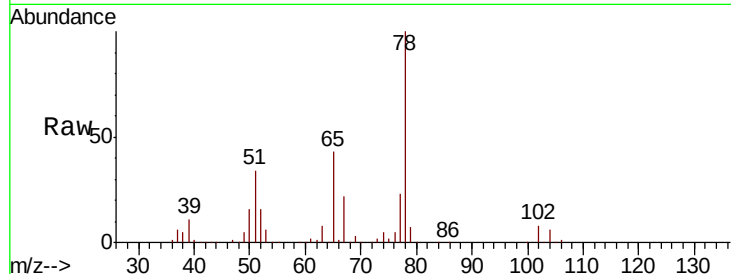
#33
 1,2-Dichloroethane-d4
 Concen: 50.755 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	234782		
67	52.8	0.0	105.2	

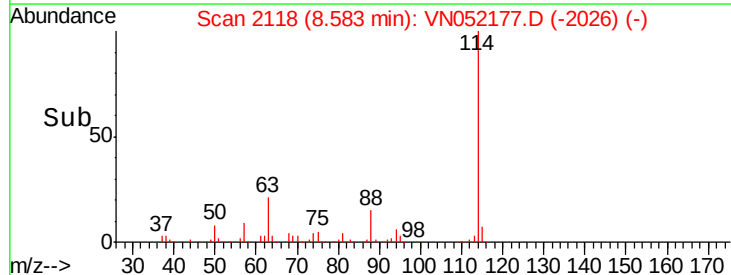
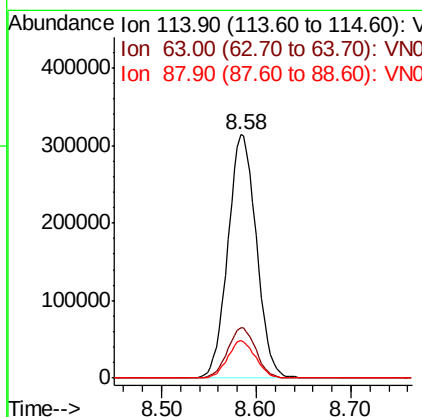
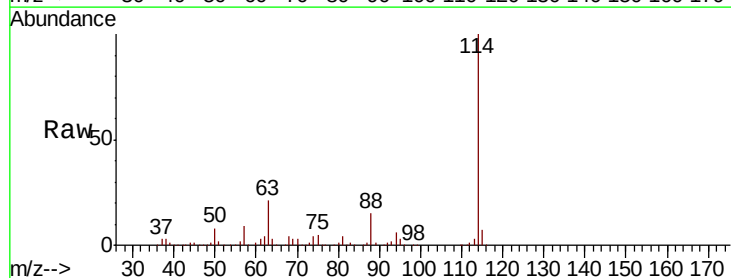
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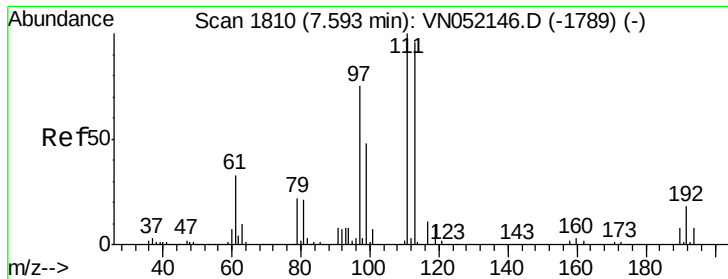
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 11/6/2018 5:58:42 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	656048		
63	20.6	0.0	46.0	
88	15.3	0.0	35.4	





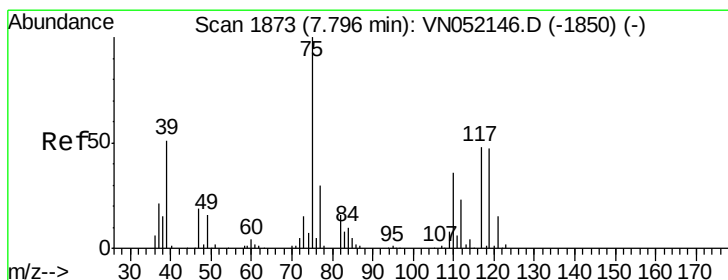
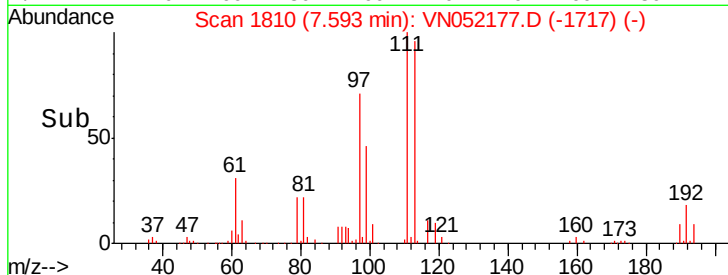
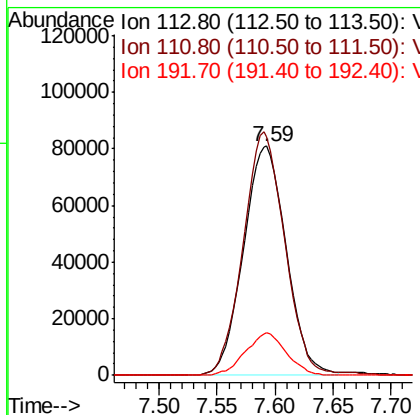
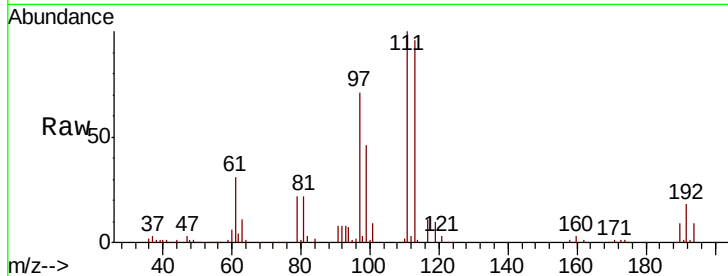
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	207777		
111	102.8	83.1	124.7	
192	17.8	12.7	19.1	

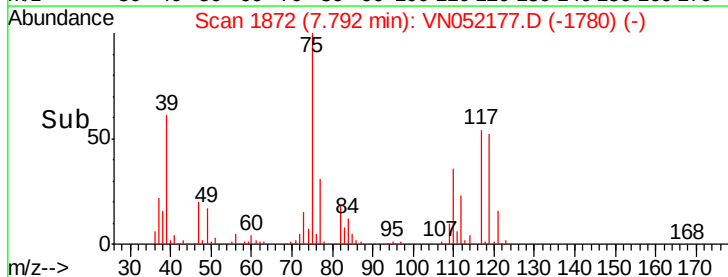
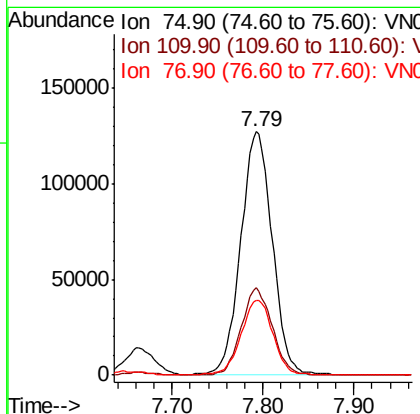
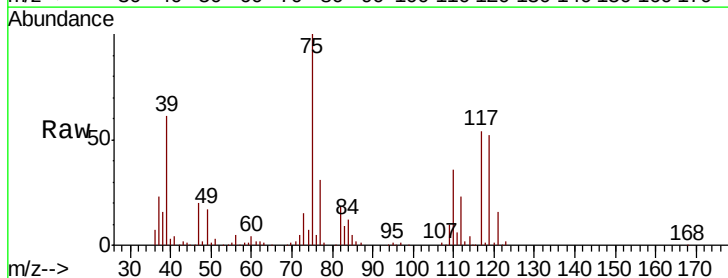
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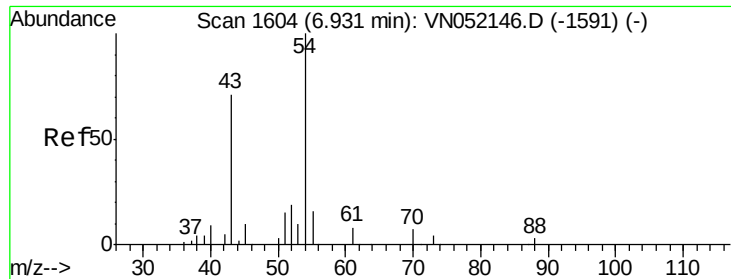
MMDadoda
 11/6/2018 5:58:42 PM



#36
 1,1-Dichloropropene
 Concen: 52.655 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	305588		
110	35.2	16.0	48.0	
77	31.5	24.5	36.7	





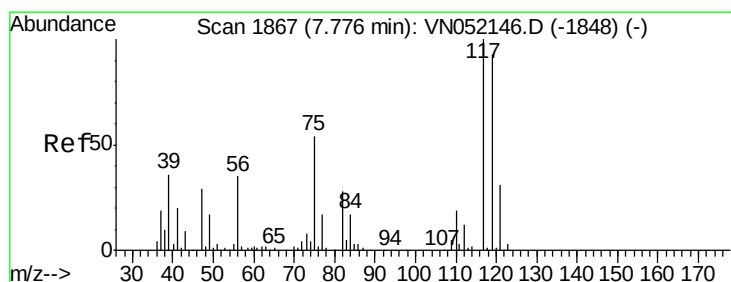
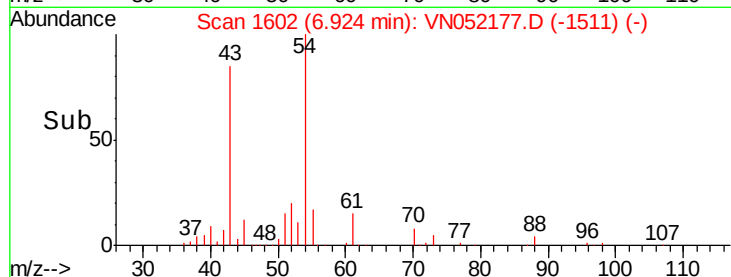
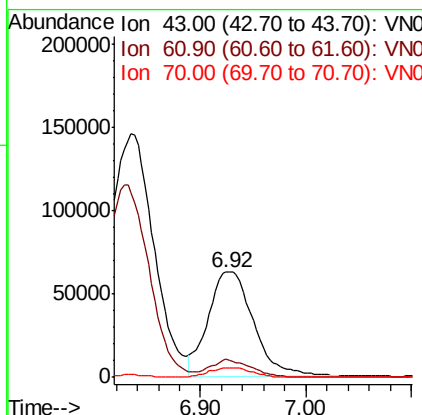
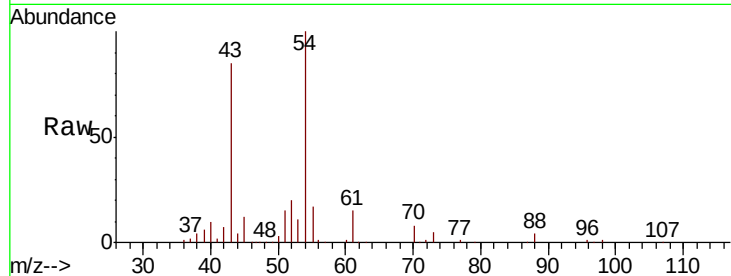
#37
Ethyl Acetate
Concen: 50.786 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	10.9	16.3
70	8.7	8.6	12.8

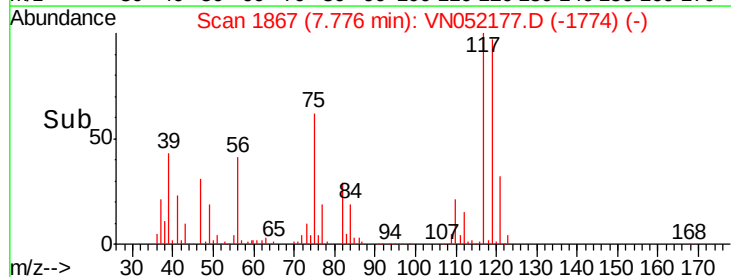
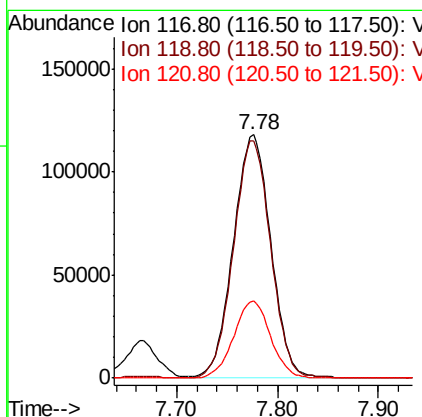
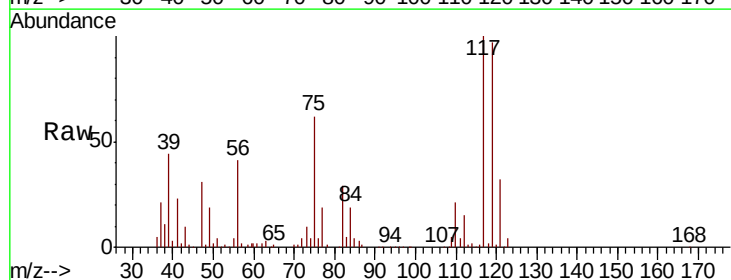
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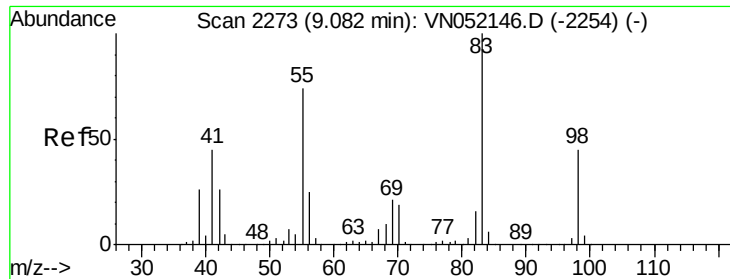
MMDadoda
11/6/2018 5:58:42 PM



#38
Carbon Tetrachloride
Concen: 52.252 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	74.8	112.2
121	31.6	25.1	37.7





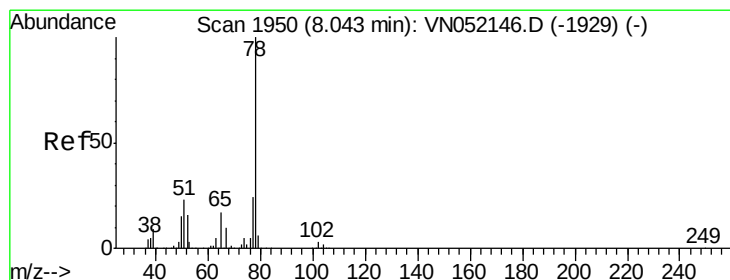
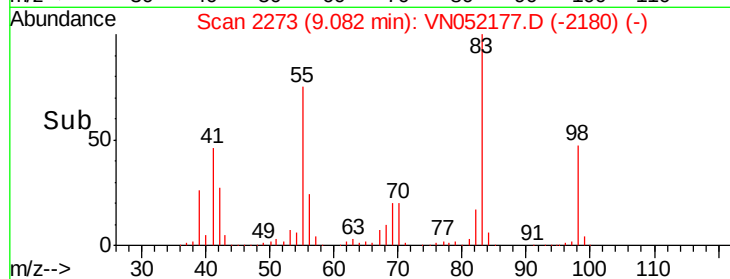
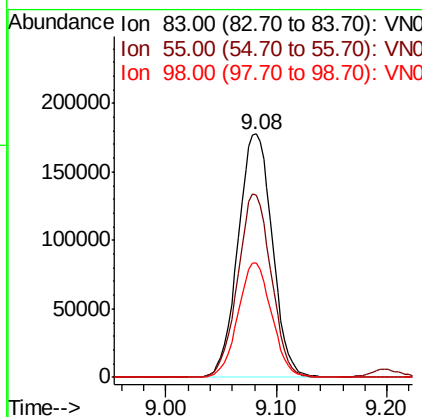
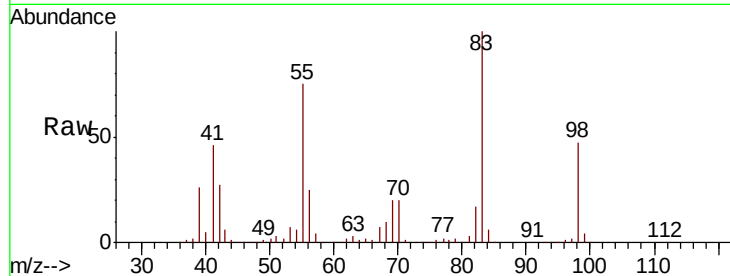
#39
Methylvlcyclohexane
Concen: 55.597 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	62.0	93.0
98	47.2	34.7	52.1

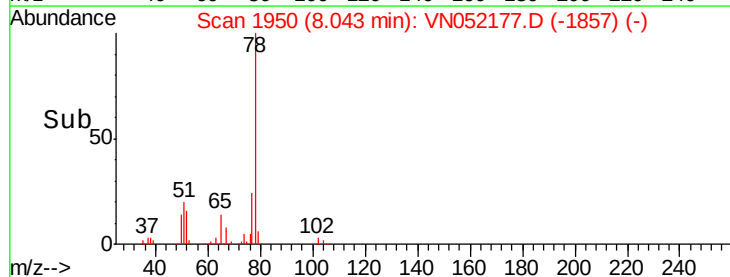
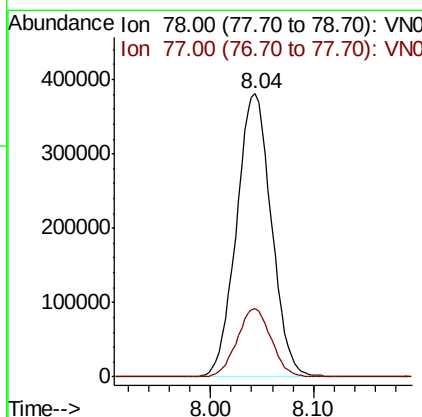
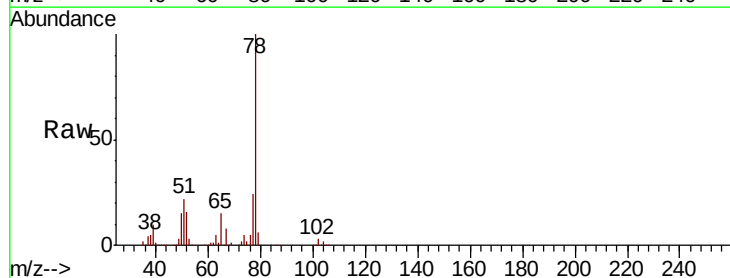
Manual Integrations
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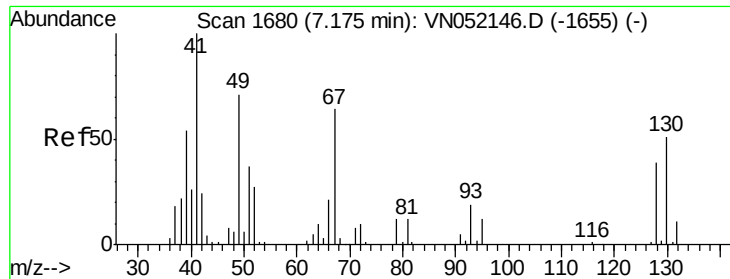
MMDadoda
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#40
Benzene
Concen: 52.626 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.8	29.6





#41

Methacrylonitrile

Concen: 55.524 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 104297
Ion Ratio Lower Upper

41 100

39 53.8 33.2 49.8#

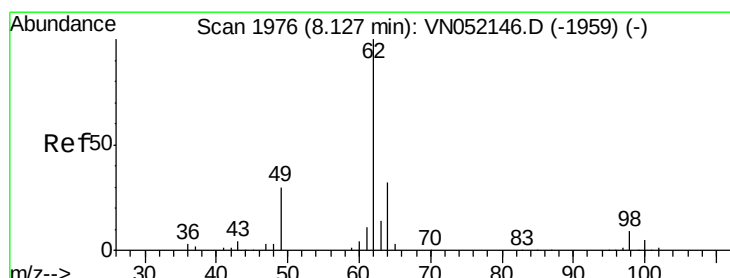
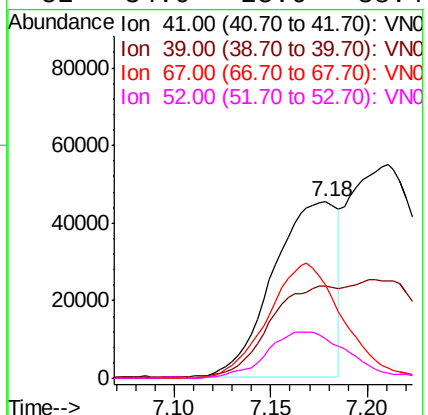
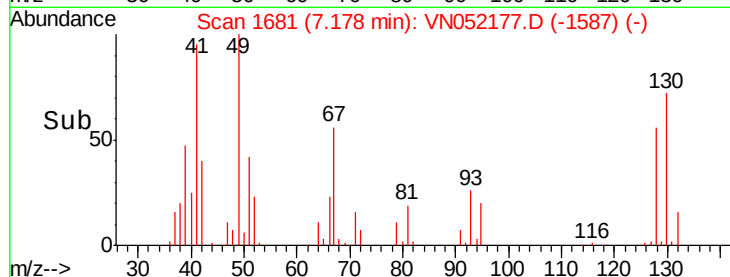
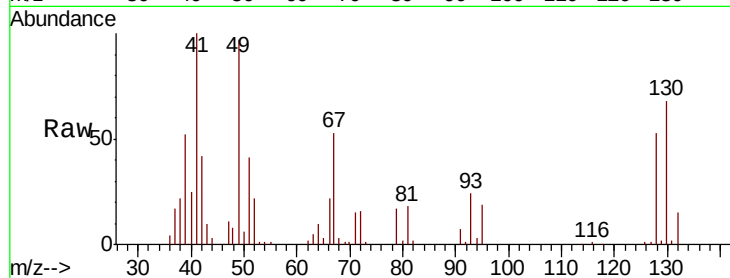
67 76.8 63.5 95.3

52 34.0 25.6 38.4

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 52.261 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

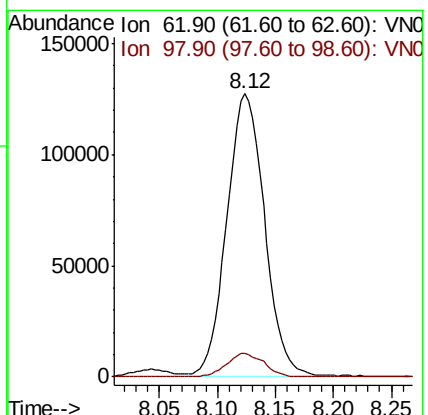
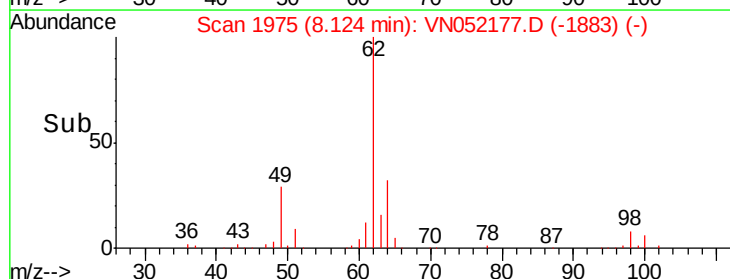
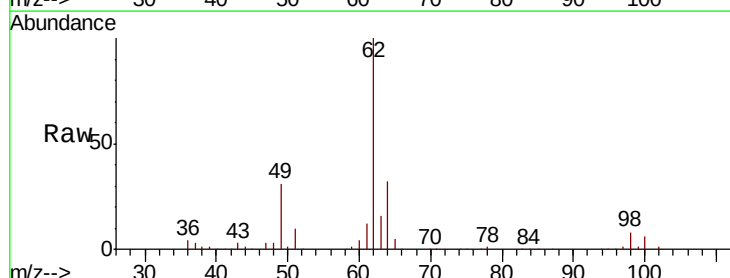
Lab File: VN052177.D

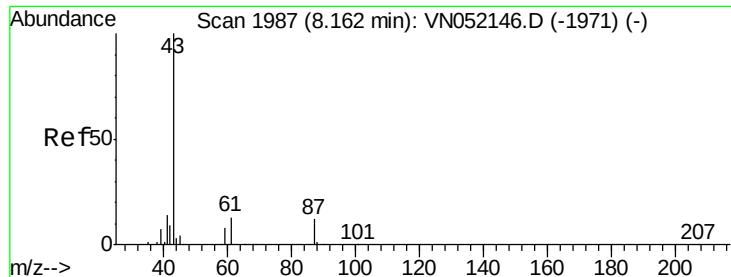
Acq: 6 Nov 2018 8:20

Tgt Ion: 62 Resp: 286625
Ion Ratio Lower Upper

62 100

98 8.4 0.0 15.2





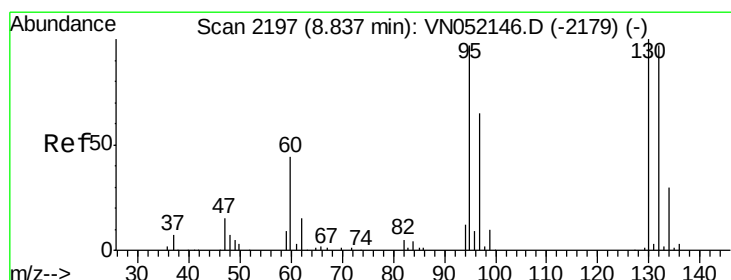
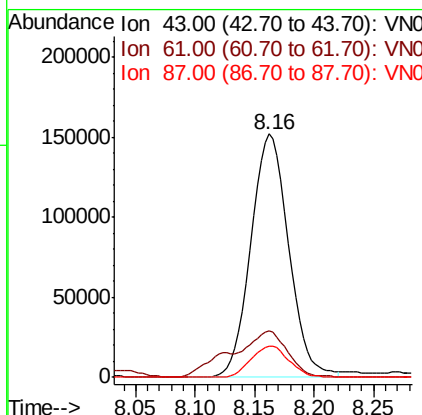
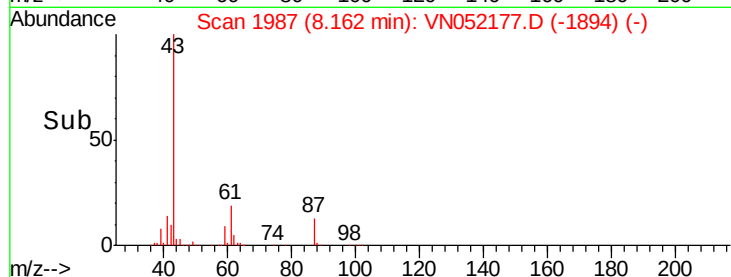
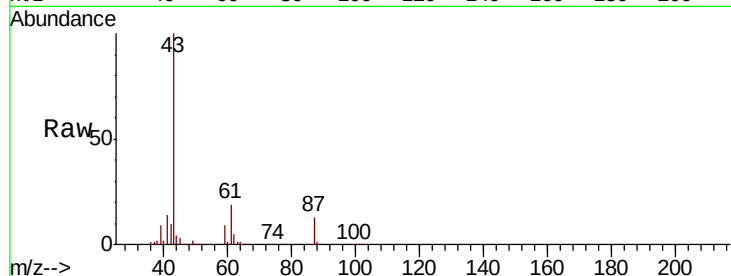
#43
Isopropyl Acetate
Concen: 50.760 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	13.0	9.8	14.8

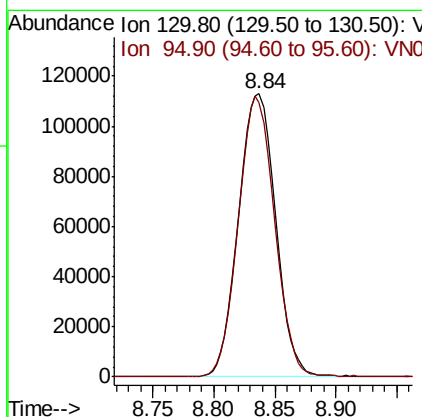
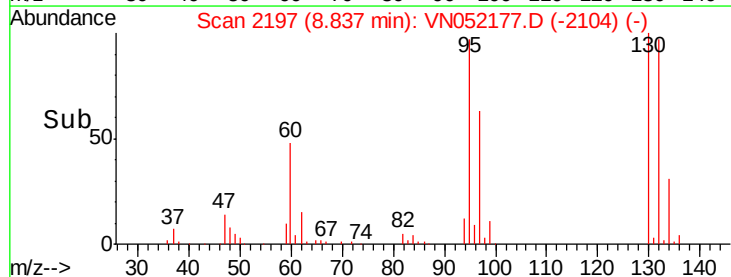
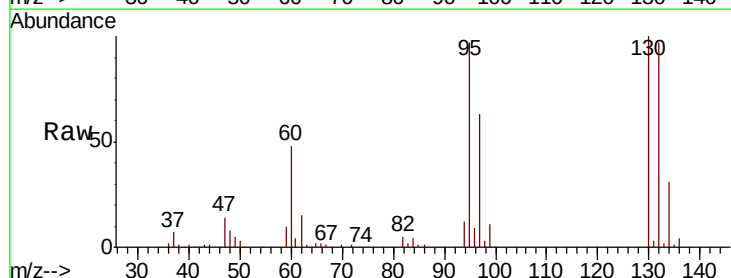
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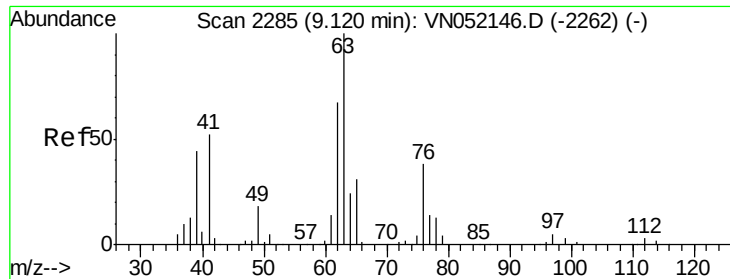
MMDadoda
11/6/2018 5:58:42 PM



#44
Trichloroethene
Concen: 52.755 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	228.4





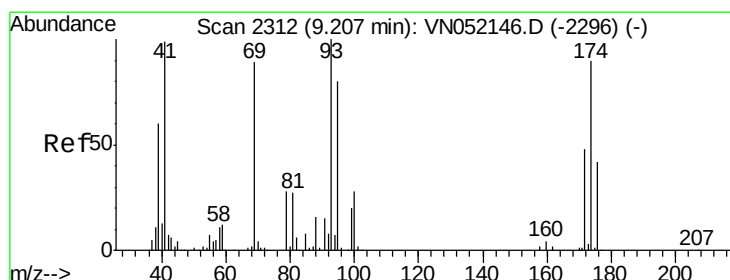
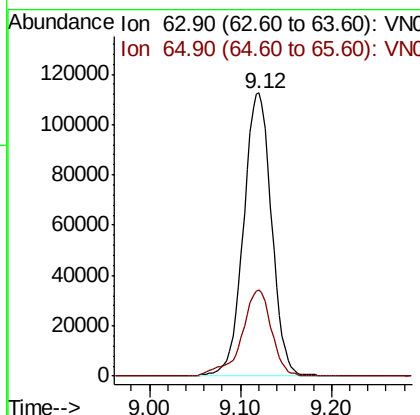
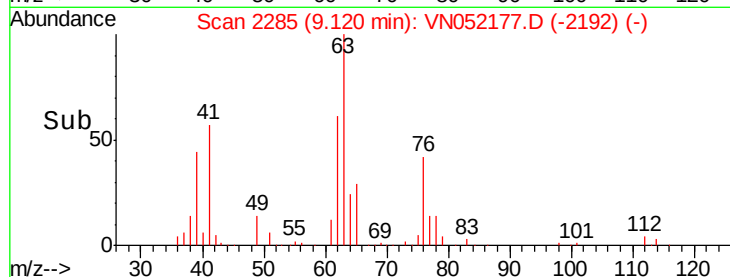
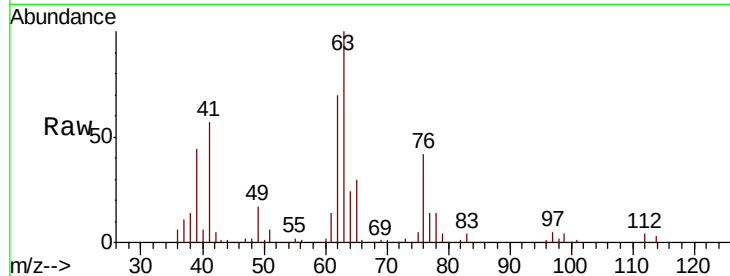
#45
 1,2-Dichloropropane
 Concen: 53.152 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.5	36.7

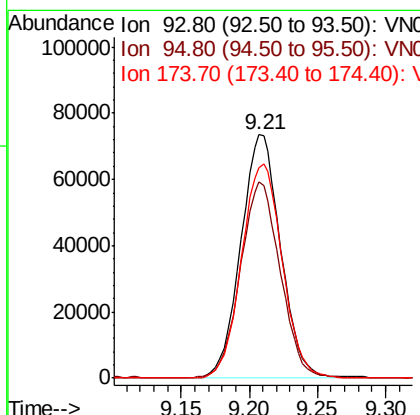
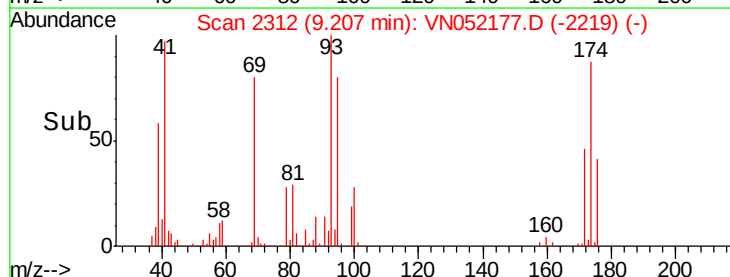
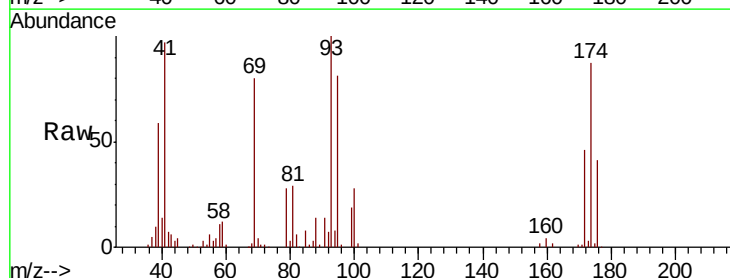
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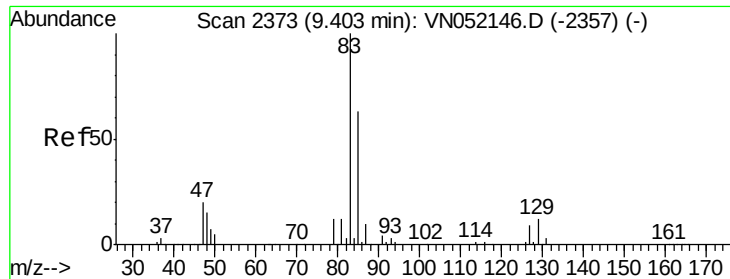
MMDadoda
 11/6/2018 5:58:42 PM



#46
 Dibromomethane
 Concen: 51.719 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.7	67.2	100.8
174	90.0	59.7	89.5#





#47

Bromodichloromethane

Concen: 54.116 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

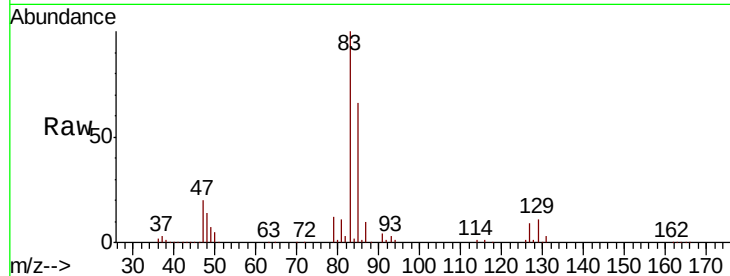
ClientSampleId :

VSTDCCC050

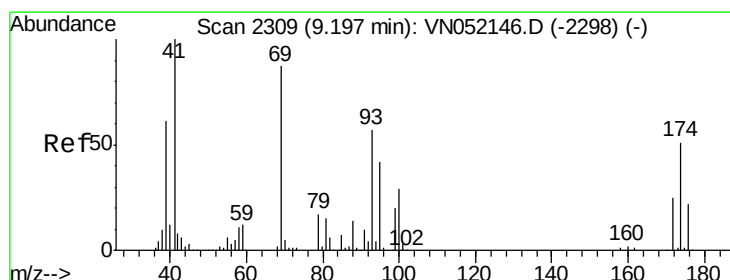
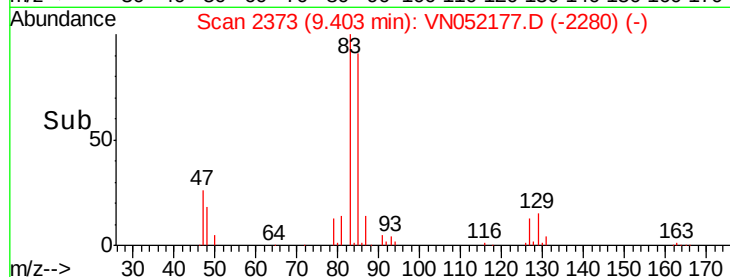
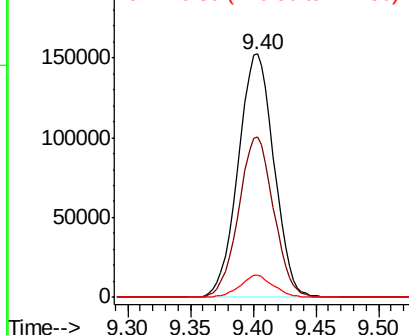
Tot Ion:	83	Resp:	303265
Ion Ratio	Lower	Upper	
83	100		
85	66.1	49.4	74.2
127	9.4	5.8	8.8#

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11/6/2018 5:58:42 PM



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): V



#48

Methyl methacrylate

Concen: 53.966 ug/l

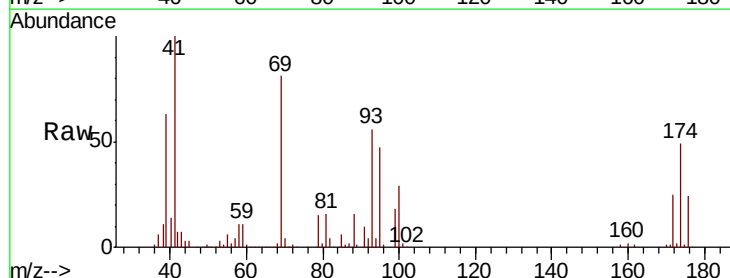
RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

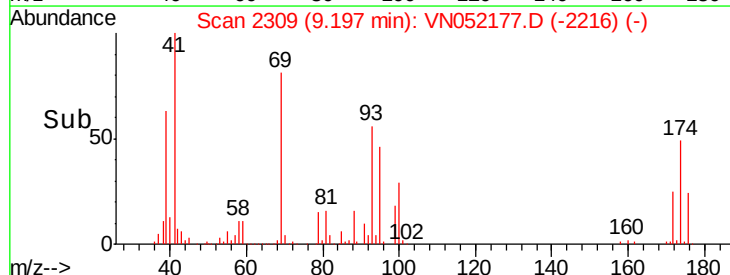
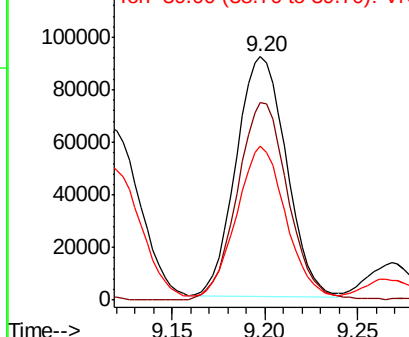
Lab File: VN052177.D

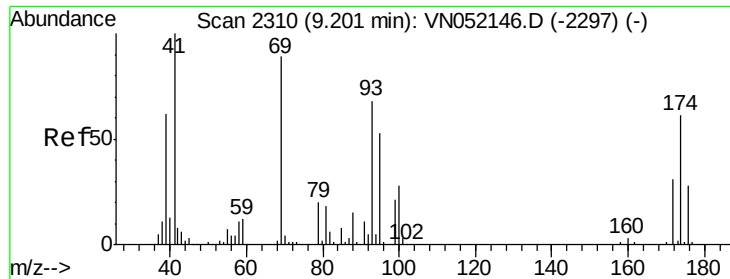
Acq: 6 Nov 2018 8:20

Tgt Ion:	41	Resp:	171995
Ion Ratio	Lower	Upper	
41	100		
69	83.2	67.1	100.7
39	63.4	50.5	75.7



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





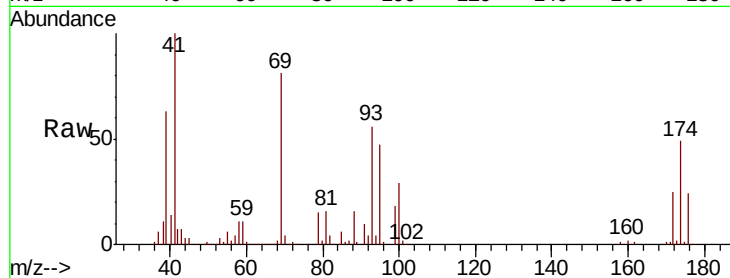
#49
1,4-Dioxane
Concen: 1112.430 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.3	34.1	51.1
58	69.4	62.8	94.2

Manual Integrations
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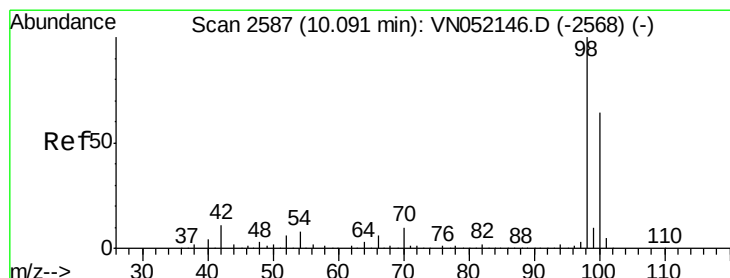
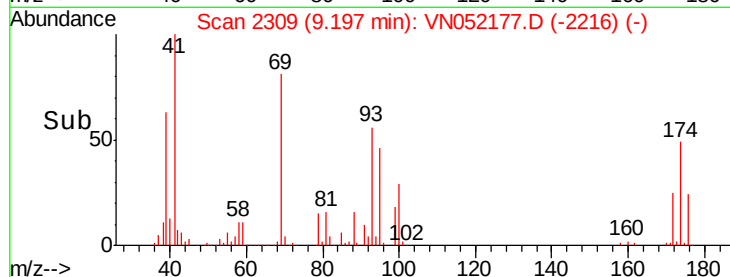
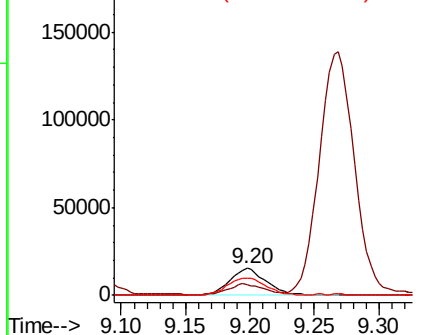


Abundance

Ion 88.00 (87.70 to 88.70): VN052146.D (-2297) (-)

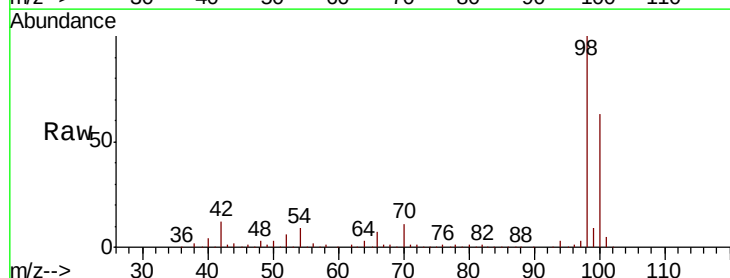
Ion 43.00 (42.70 to 43.70): VN052146.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN052146.D (-2297) (-)



#50
Toluene-d8
Concen: 1112.430 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

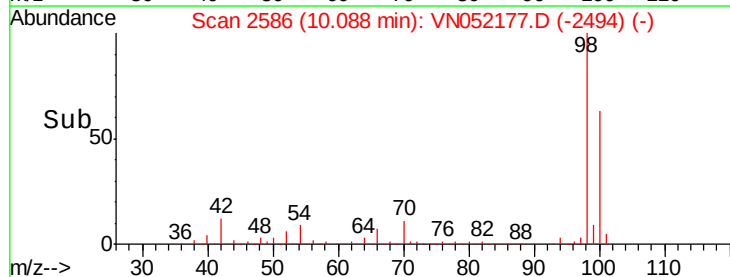
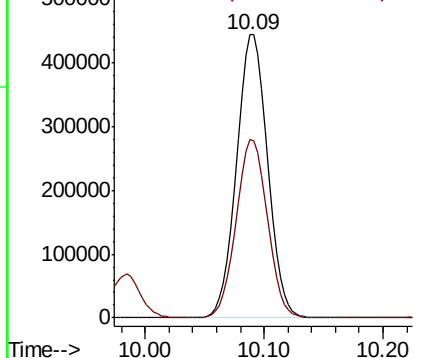
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.4	77.2

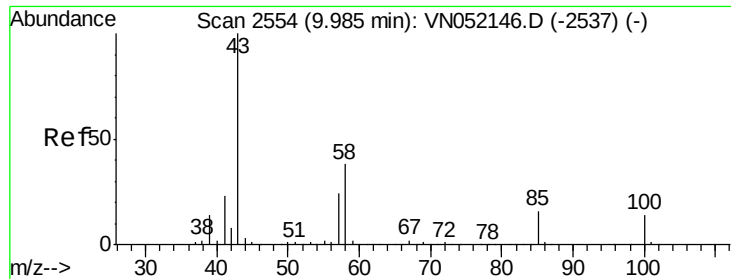


Abundance

Ion 98.00 (97.70 to 98.70): VN052146.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN052146.D (-2568) (-)





#51

4-Methyl-2-Pentanone

Concen: 262.332 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 917742

Ion Ratio Lower Upper

43 100

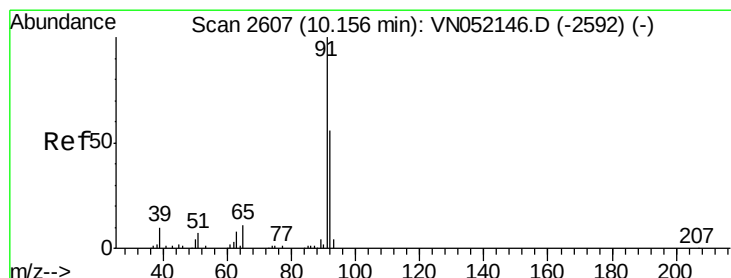
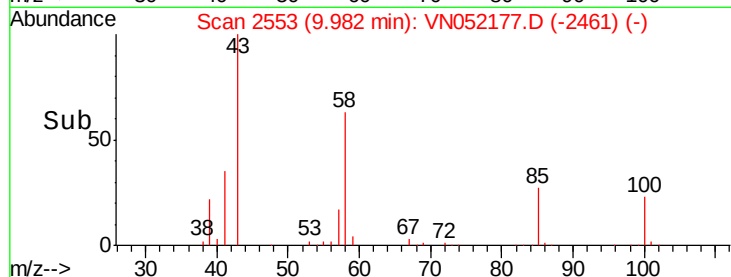
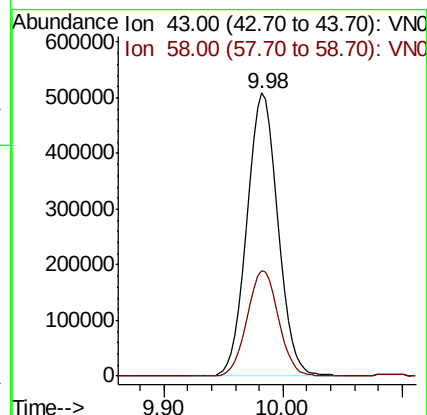
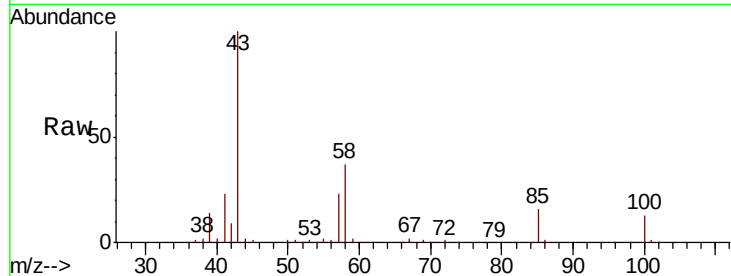
58 37.7 29.7 44.5

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11/6/2018 5:58:42 PM



#52

Toluene

Concen: 54.328 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052177.D

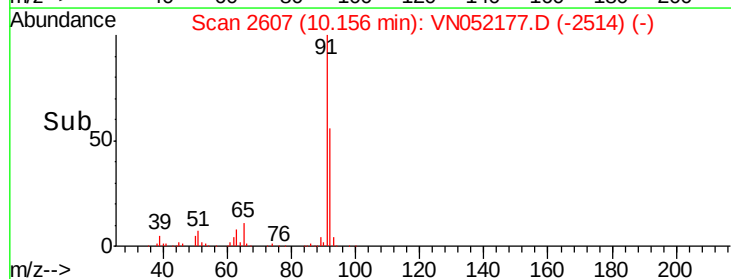
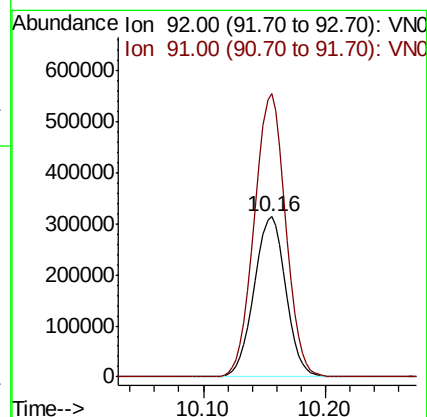
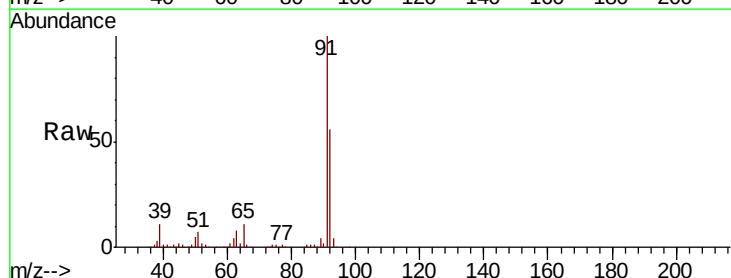
Acq: 6 Nov 2018 8:20

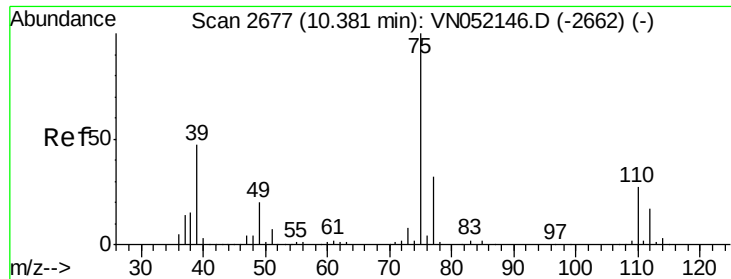
Tgt Ion: 92 Resp: 558932

Ion Ratio Lower Upper

92 100

91 175.7 143.9 215.9





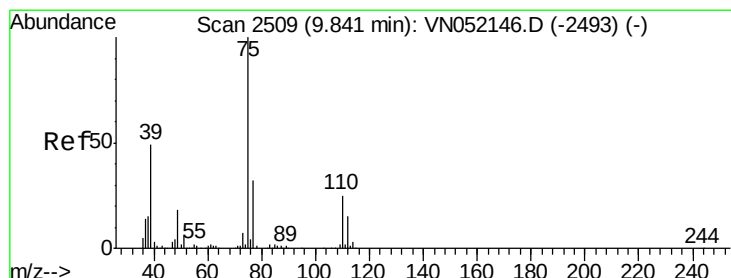
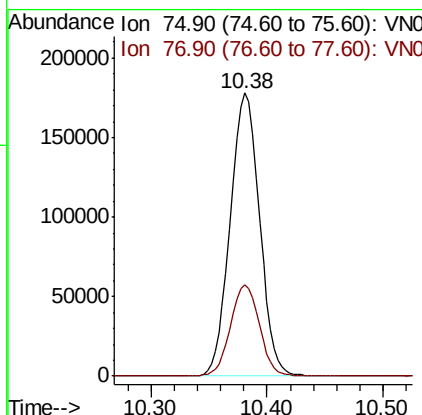
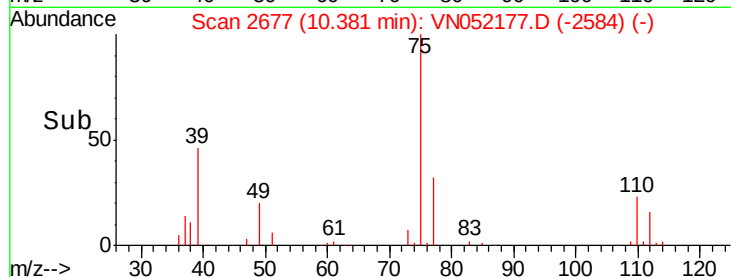
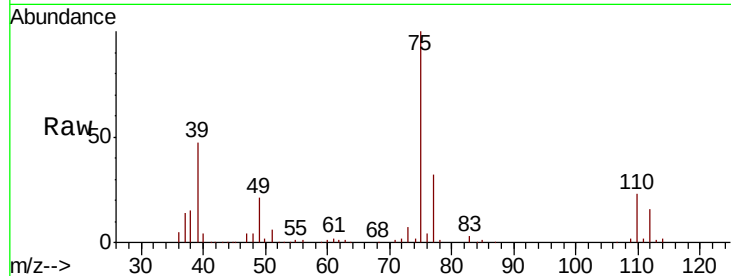
#53
t-1,3-Dichloropropene
Concen: 56.623 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 311285
Ion Ratio Lower Upper
75 100
77 32.2 25.6 38.4

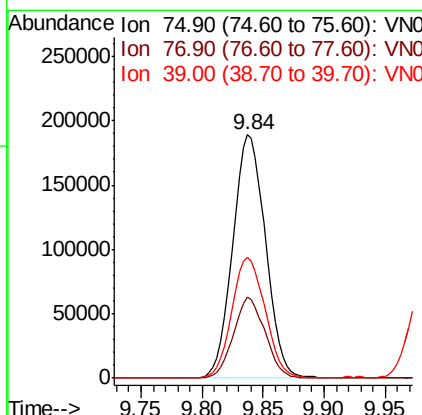
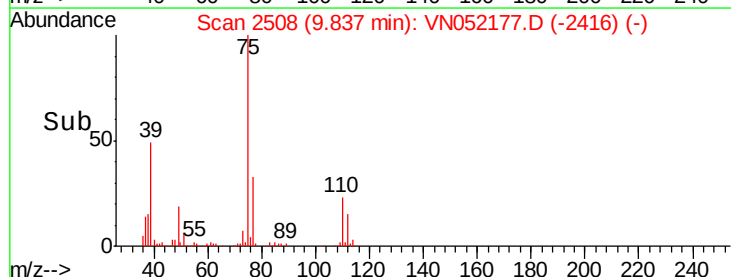
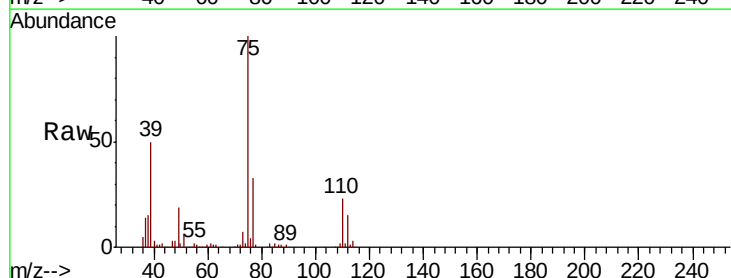
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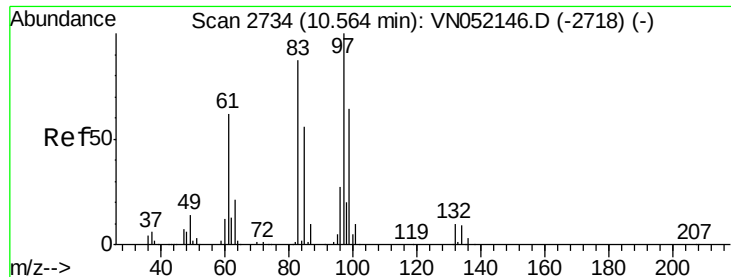
MMDadoda
11/6/2018 5:58:42 PM



#54
cis-1,3-Dichloropropene
Concen: 54.764 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Tgt Ion: 75 Resp: 352298
Ion Ratio Lower Upper
75 100
77 33.1 25.0 37.4
39 49.3 42.3 63.5





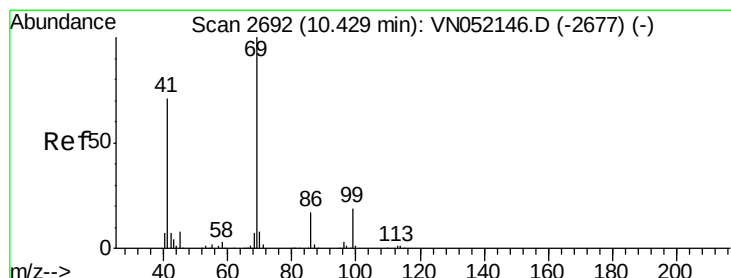
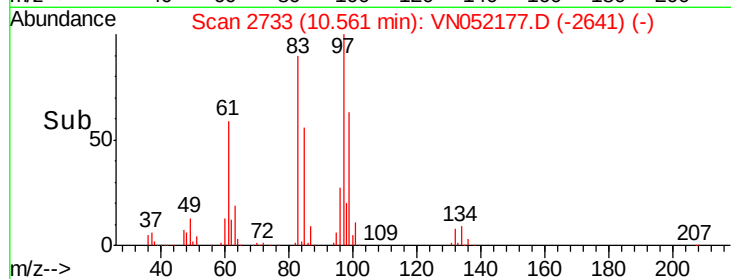
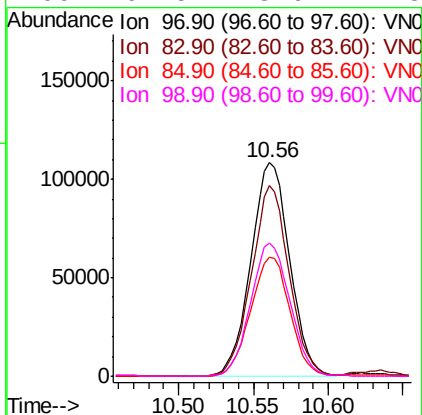
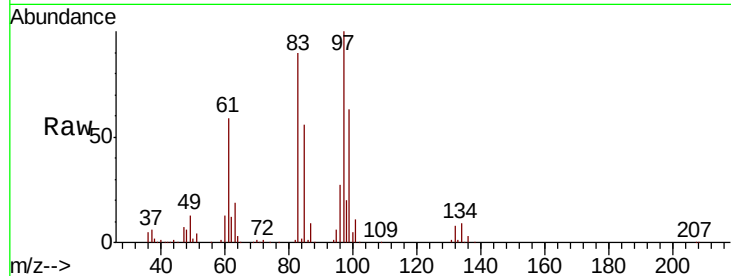
#55
 1,1,2-Trichloroethane
 Concen: 53.827 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	195243
Ion	Ratio	Lower	Upper
97	100		
83	89.6	73.8	110.8
85	55.9	48.4	72.6
99	62.5	48.6	72.8

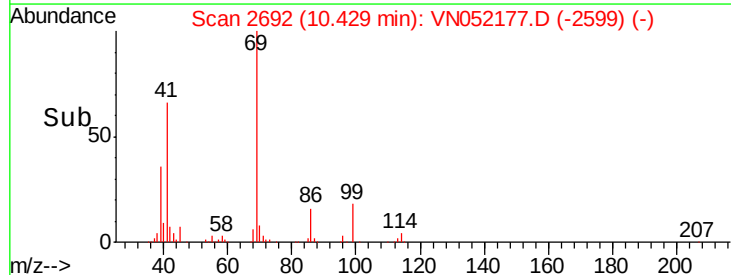
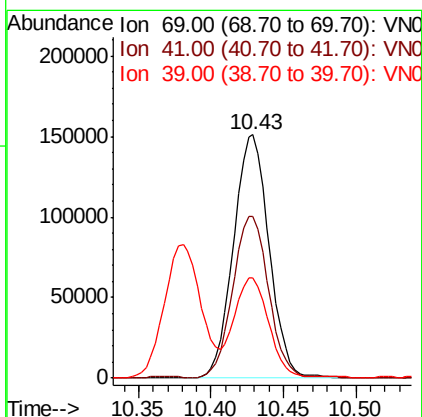
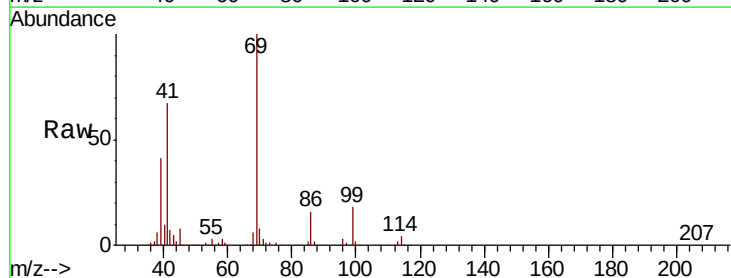
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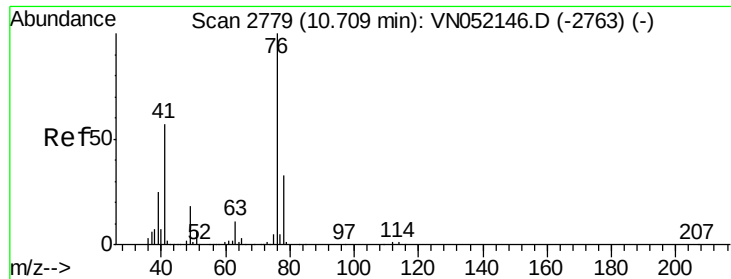
MMDadoda
 11/6/2018 5:58:42 PM



#56
 Ethyl methacrylate
 Concen: 54.504 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Tgt Ion:	69	Resp:	257693
Ion	Ratio	Lower	Upper
69	100		
41	66.7	55.5	83.3
39	39.2	33.0	49.4





#57

1,3-Dichloropropane

Concen: 52.649 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 336430

Ion Ratio Lower Upper

76 100

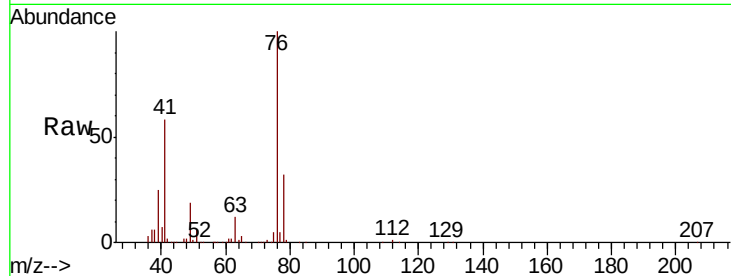
78 32.1 25.4 38.0

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

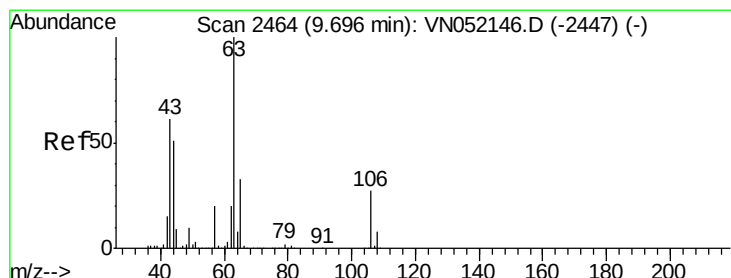
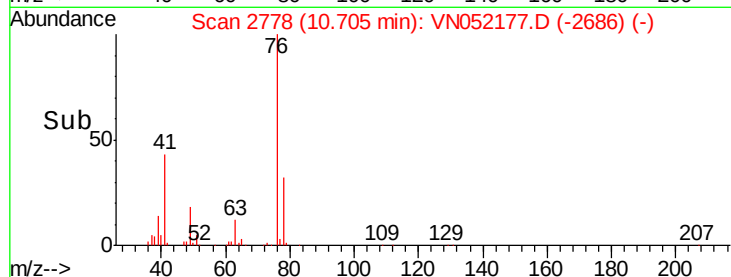
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 278.345 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052177.D

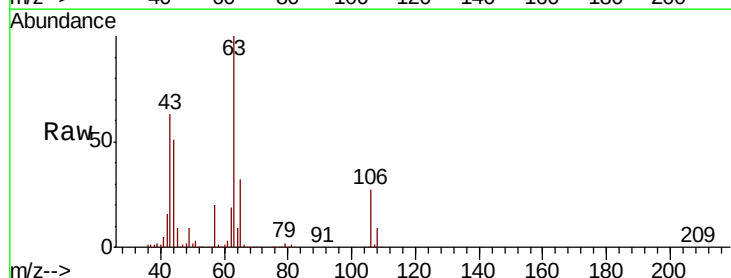
Acq: 6 Nov 2018 8:20

Tgt Ion: 63 Resp: 708241

Ion Ratio Lower Upper

63 100

106 27.5 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

400000

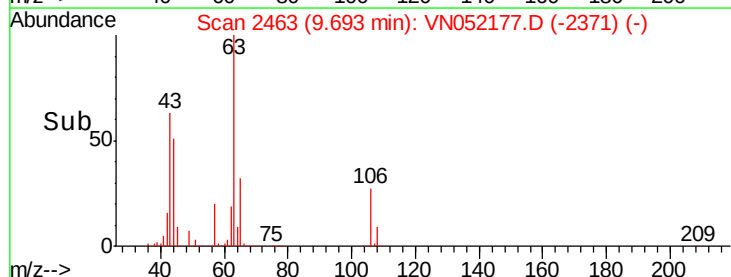
300000

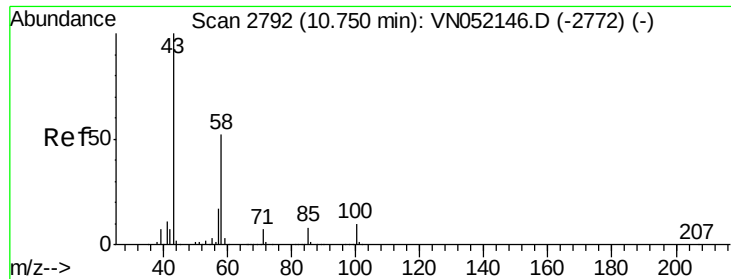
200000

100000

0

Time--> 9.60 9.65 9.70 9.75





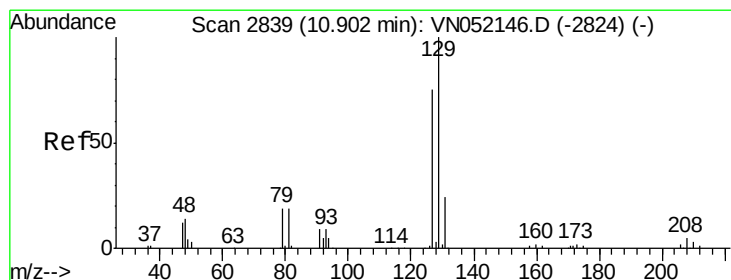
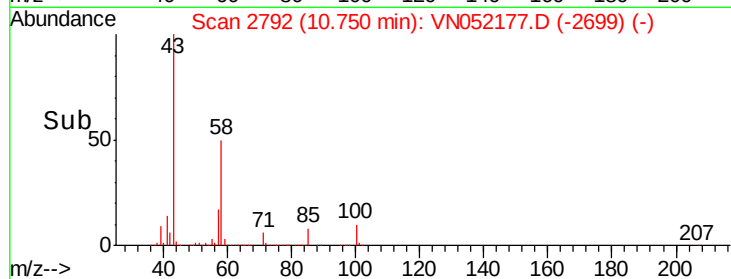
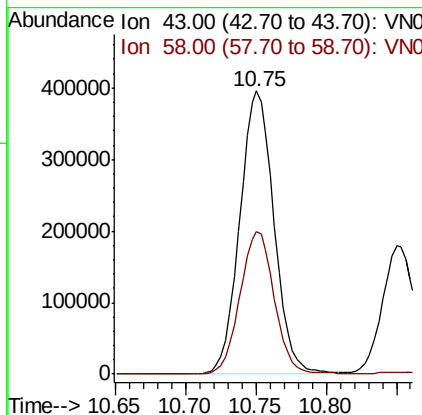
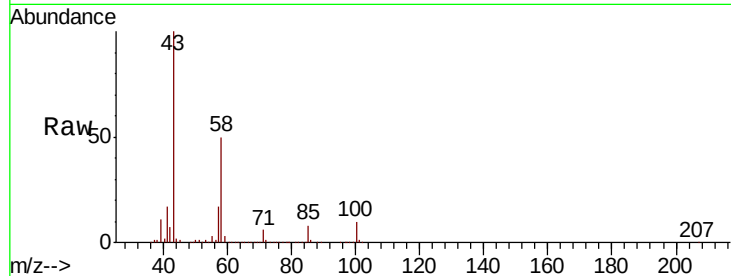
#59
2-Hexanone
Concen: 275.249 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	670317
Ion Ratio	100	Lower	Upper
43	100		
58	50.7	25.2	75.6

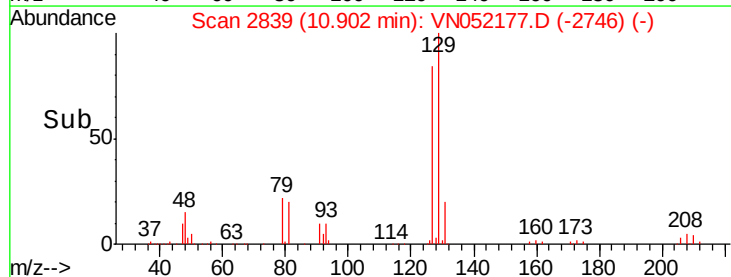
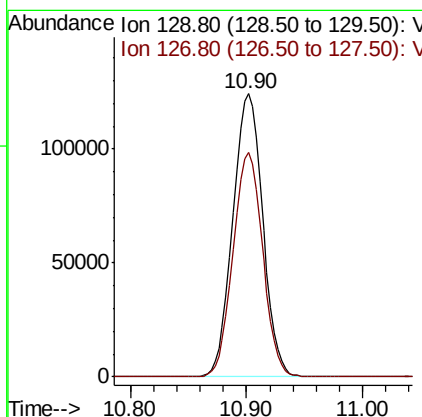
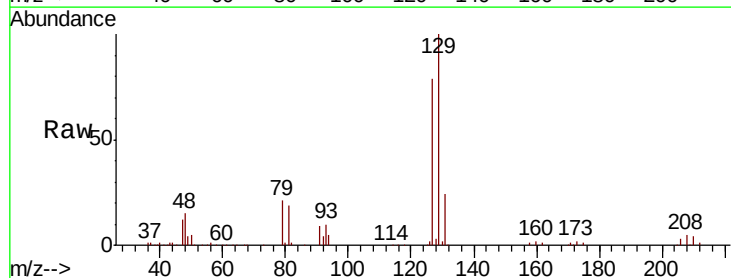
Manual Integrations
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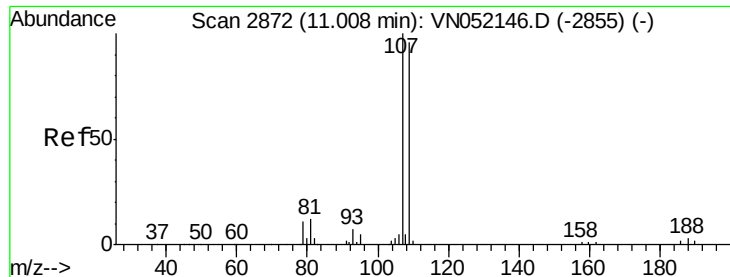
MMDadoda
11/6/2018 5:58:42 PM



#60
Dibromochloromethane
Concen: 53.766 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Tgt Ion	129	Resp	221783	
Ion Ratio <th>129</th> <th>100</th> <th>Lower</th> <th>Upper</th>	129	100	Lower	Upper
129	100			
127	78.5	38.5	115.5	





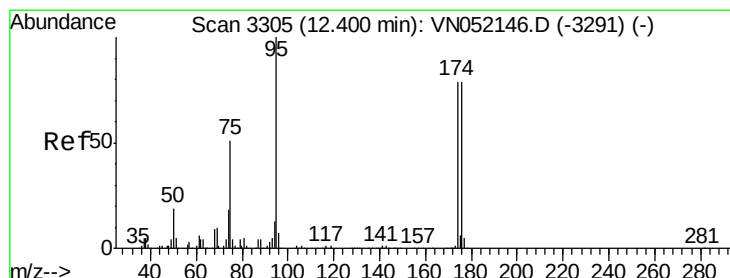
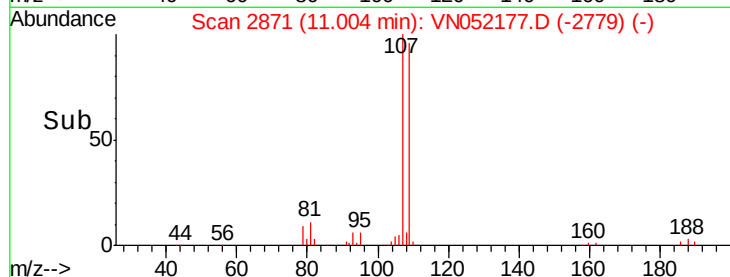
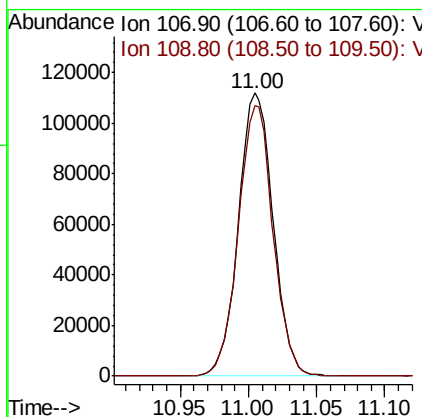
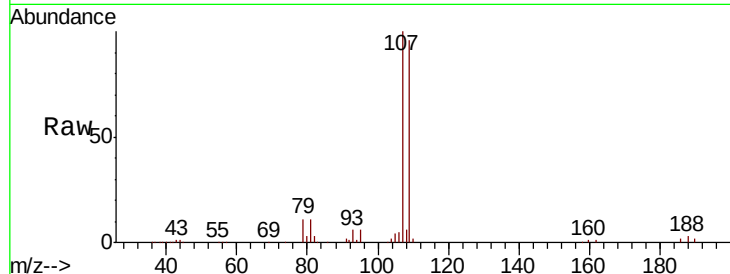
#61
 1,2-Dibromoethane
 Concen: 53.713 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.1	112.7

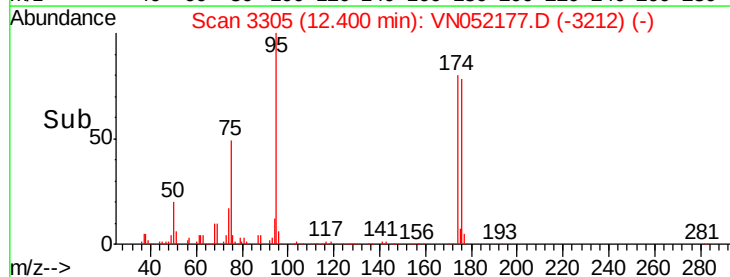
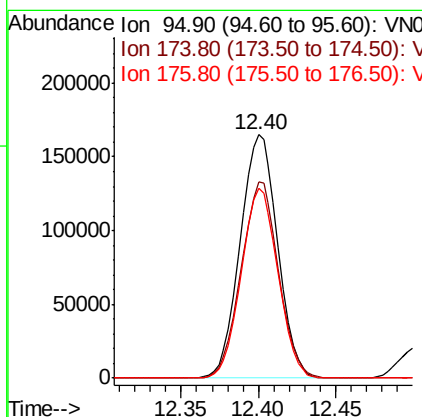
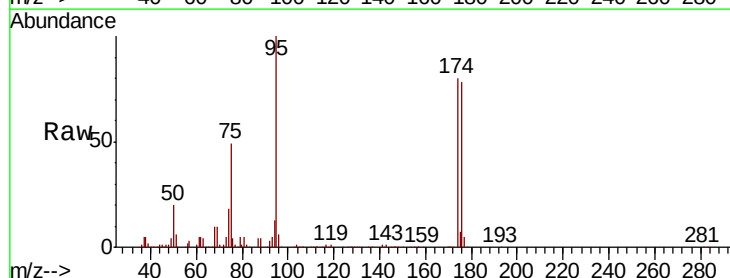
Manual Integrations
 APPROVED

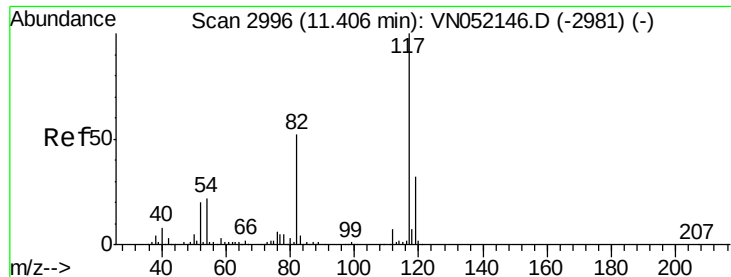
MMDadoda
 11/6/2018 5:58:42 PM



#62
 4-Bromofluorobenzene
 Concen: 53.713 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.3	0.0	131.8
176	76.5	0.0	126.0





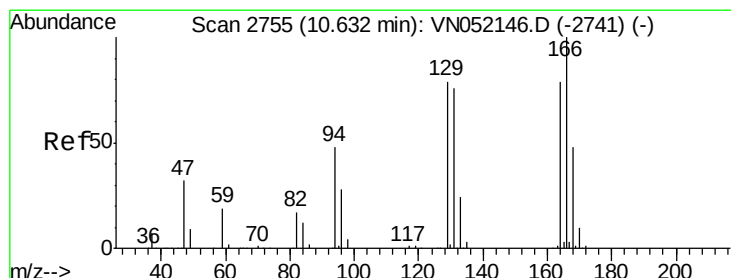
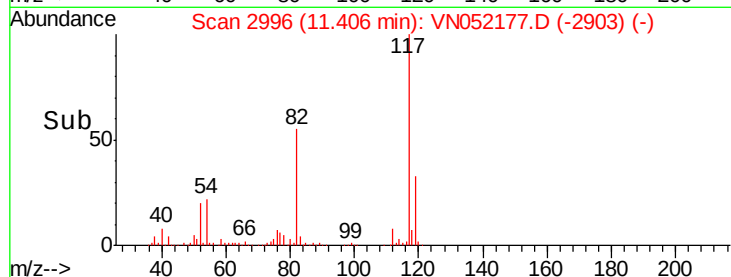
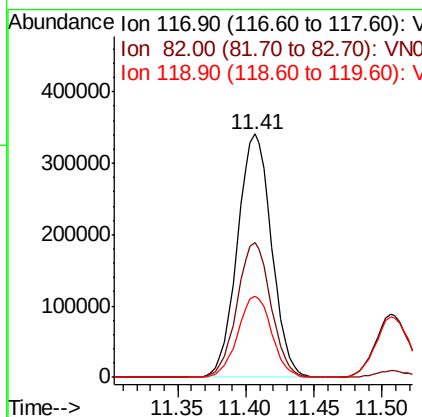
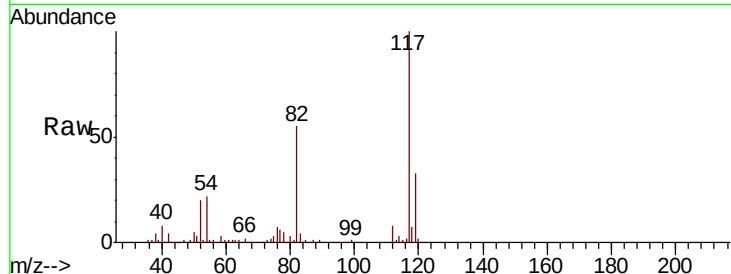
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	592123		
82	55.2	49.9	74.9	
119	33.3	25.7	38.5	

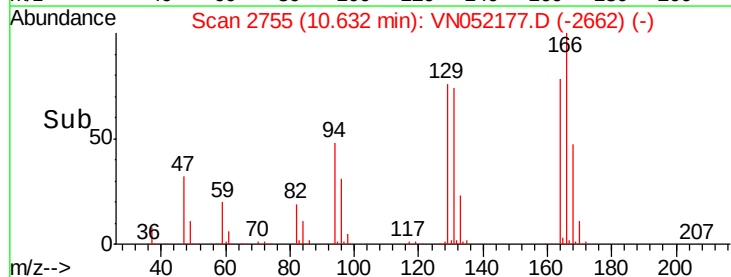
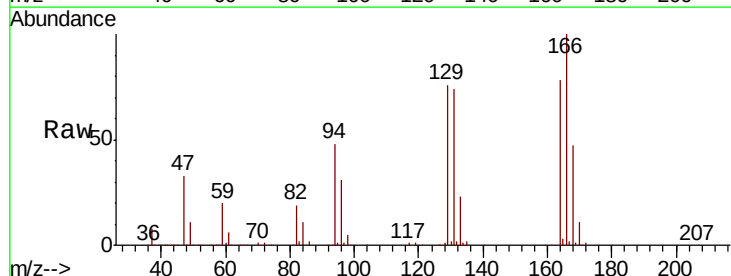
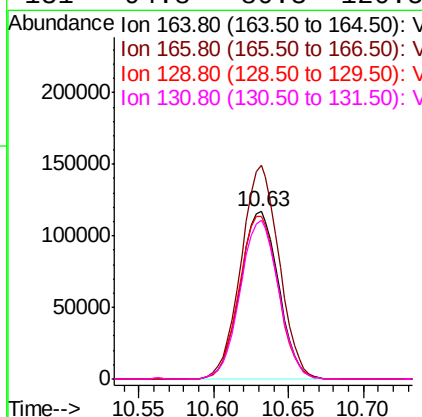
Manual Integrations
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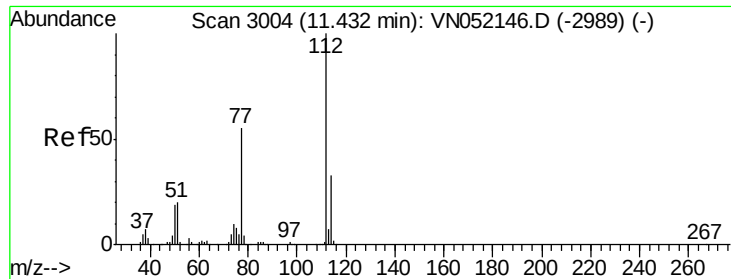
MMDadoda
11/6/2018 5:58:42 PM



#64
Tetrachloroethene
Concen: 54.858 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	210443		
166	127.7	105.4	158.0	
129	97.3	86.1	129.1	
131	94.8	80.3	120.5	





#65

Chlorobenzene

Concen: 52.023 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 627869

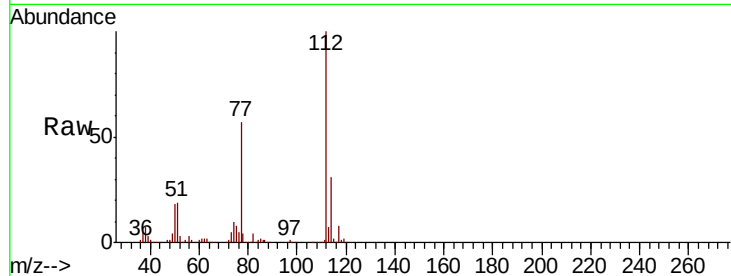
Ion Ratio Lower Upper

112 100

114 31.4 25.1 37.7

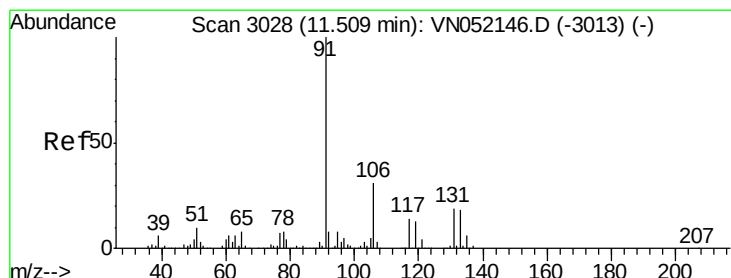
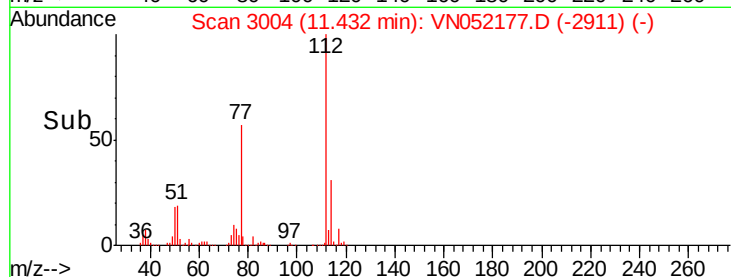
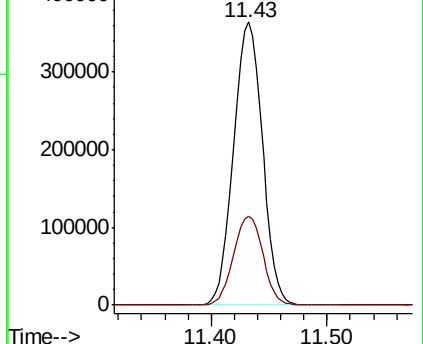
Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:58:42 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.062 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

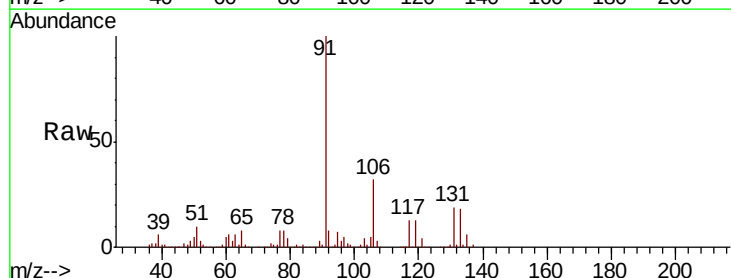
Tgt Ion:131 Resp: 219118

Ion Ratio Lower Upper

131 100

133 96.7 47.6 142.9

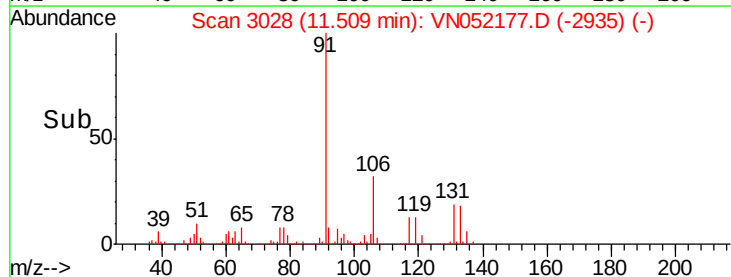
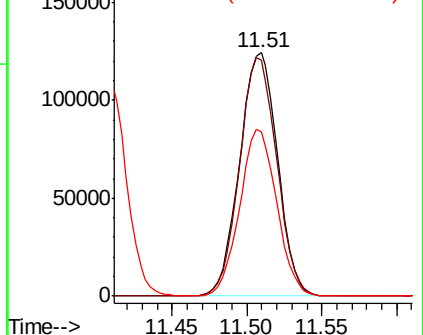
119 66.9 34.4 103.2

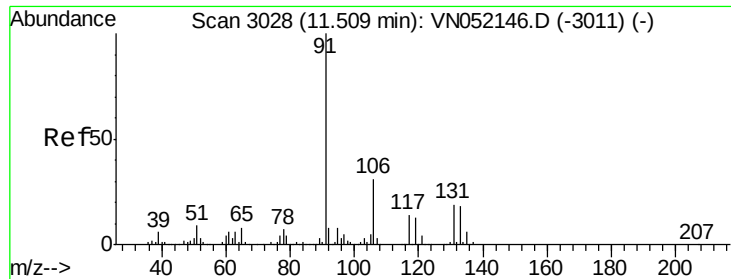


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





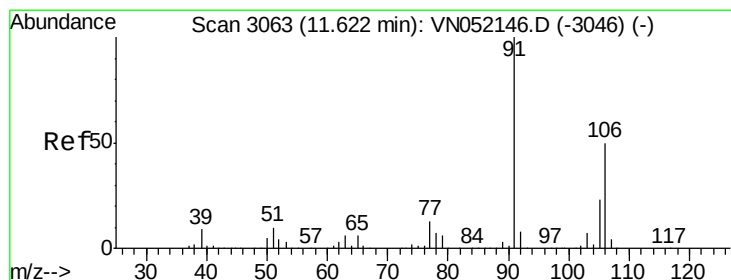
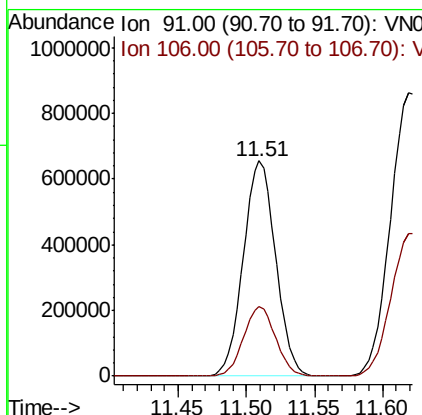
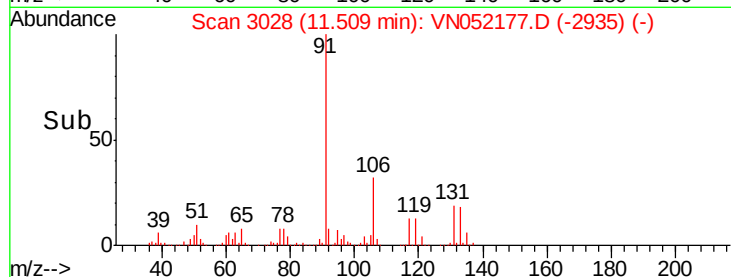
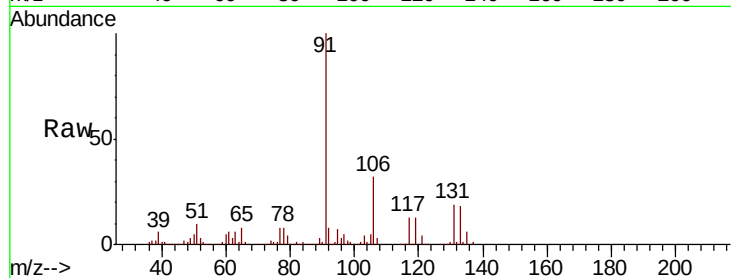
#67
Ethyl Benzene
Concen: 53.833 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1079108
Ion Ratio Lower Upper
91 100
106 32.1 24.1 36.1

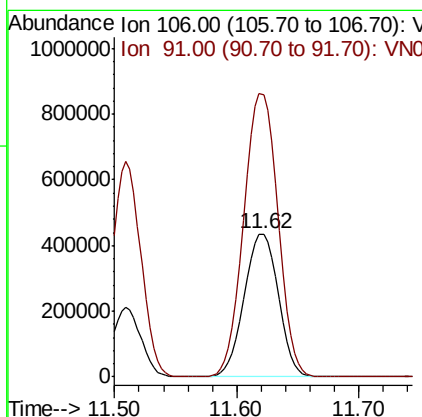
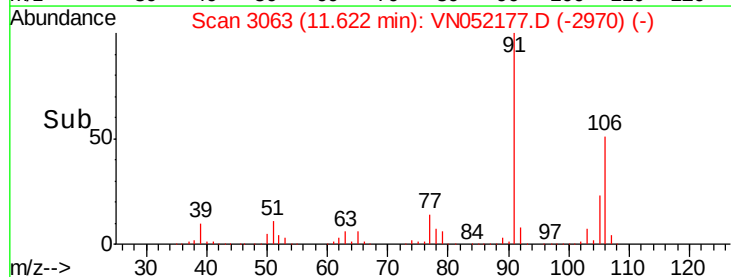
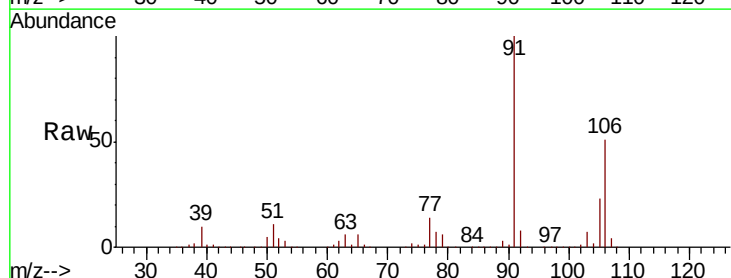
Manual Integrations
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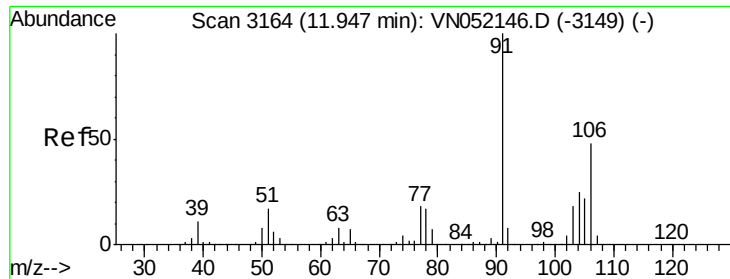
MMDadoda
11/6/2018 5:58:42 PM



#68
m/p-Xylenes
Concen: 108.444 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Tgt Ion: 106 Resp: 838789
Ion Ratio Lower Upper
106 100
91 198.8 168.7 253.1





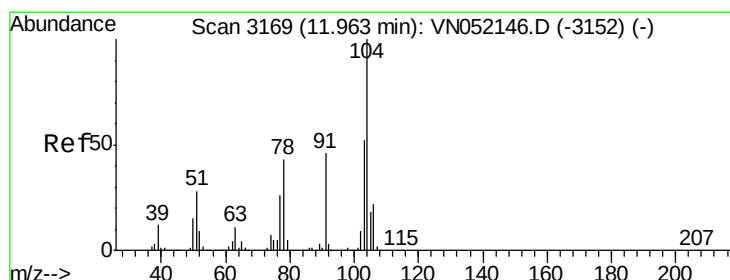
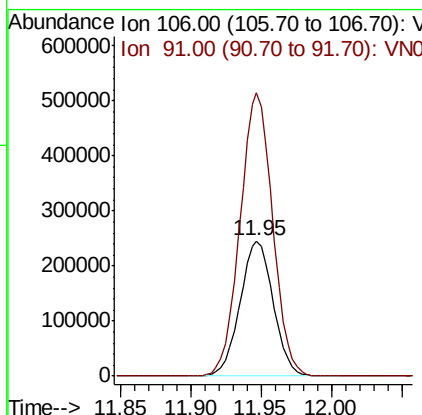
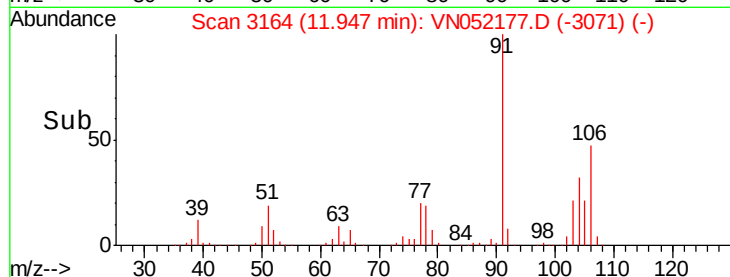
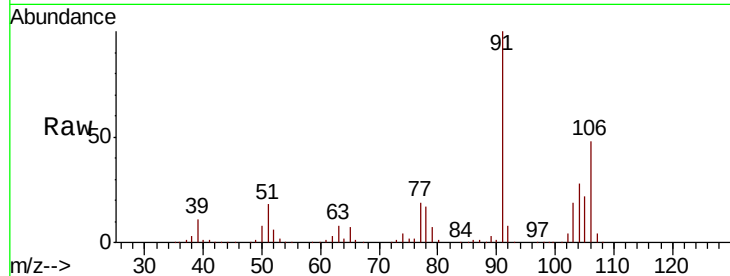
#69
o-Xylene
Concen: 53.863 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.8	109.6	328.6

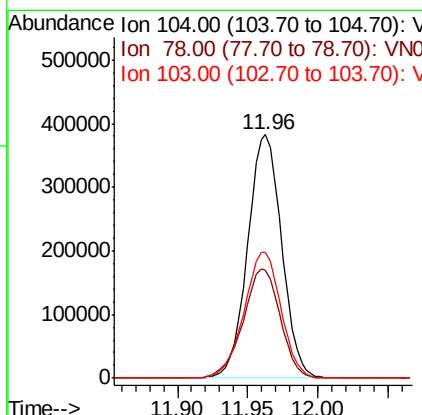
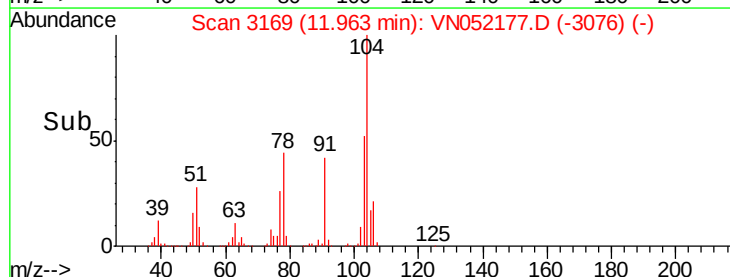
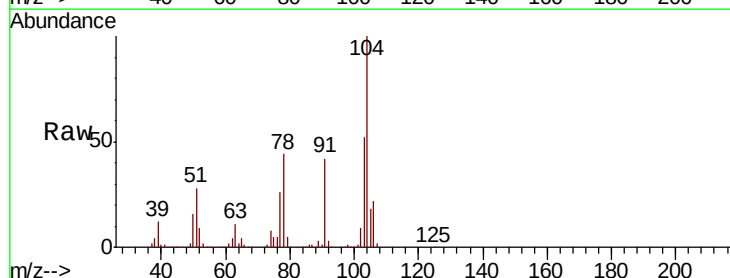
Manual Integrations
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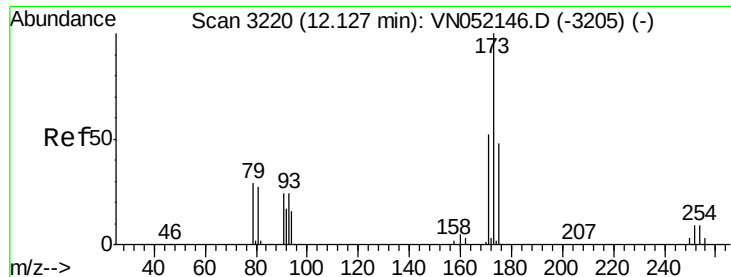
MMDadoda
11/6/2018 5:58:42 PM



#70
Styrene
Concen: 54.407 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.9	43.0	64.6
103	56.2	45.1	67.7





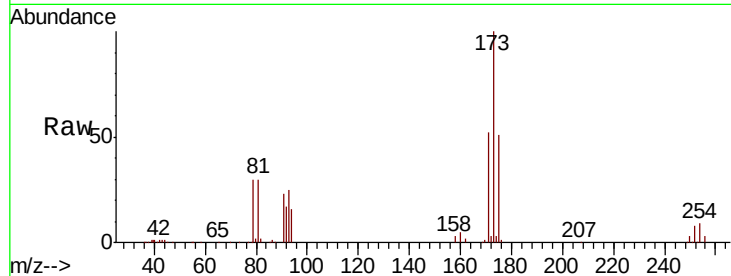
#71
Bromoform
Concen: 48.479 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.9	71.7
254	0.0	0.0	0.0

Manual Integrations
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MMDadoda
11/6/2018 5:58:42 PM

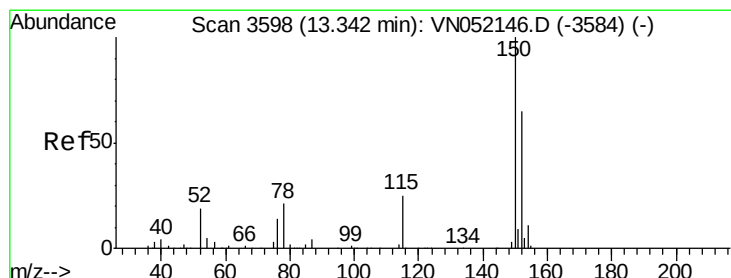
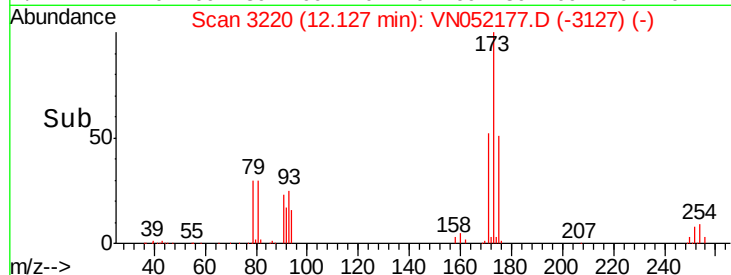
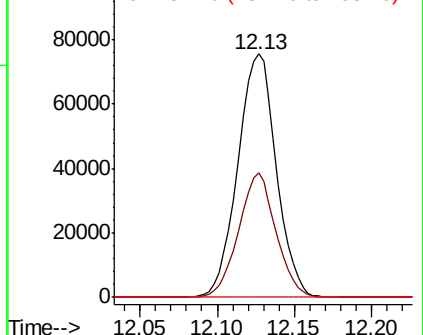


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

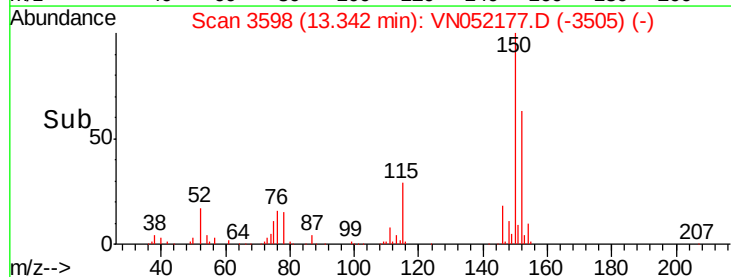
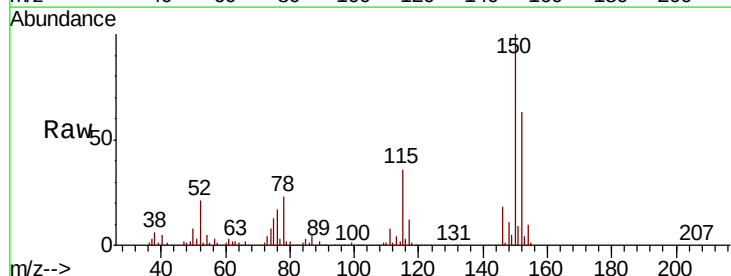
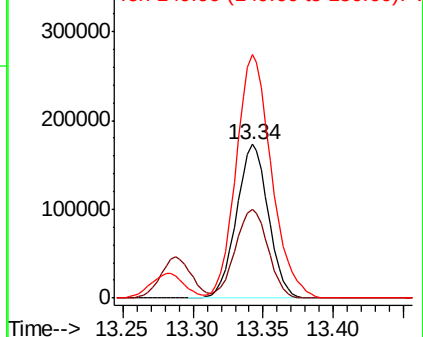
Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	31.6	95.0
150	175.7	0.0	345.0

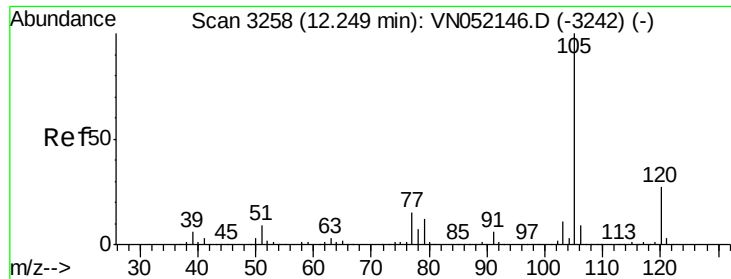
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.512 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1065807

Ion Ratio Lower Upper

105 100

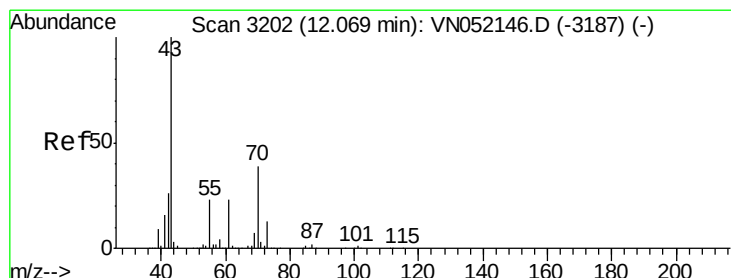
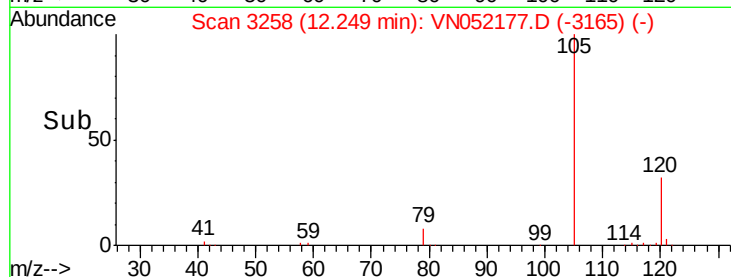
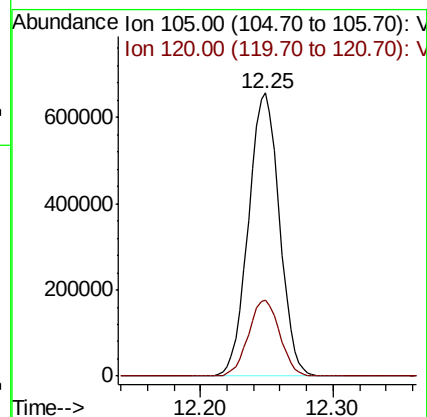
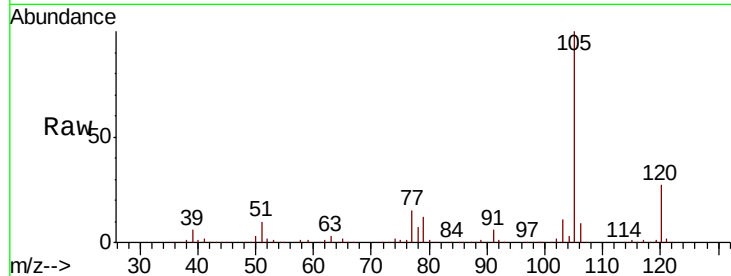
120 27.1 12.8 38.4

Manual Integrations

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11/6/2018 5:58:42 PM



#74

N-ethyl acetate

Concen: 51.306 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Tgt Ion: 43 Resp: 313117

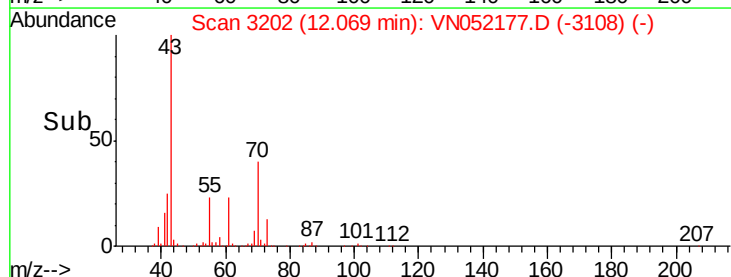
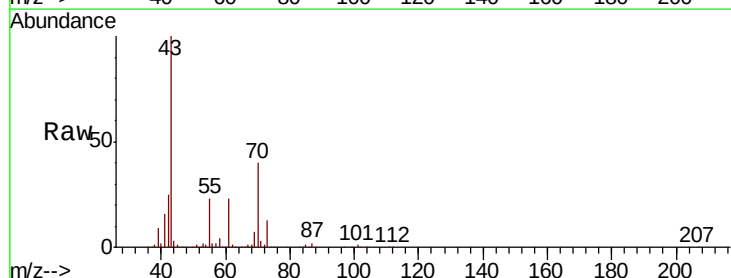
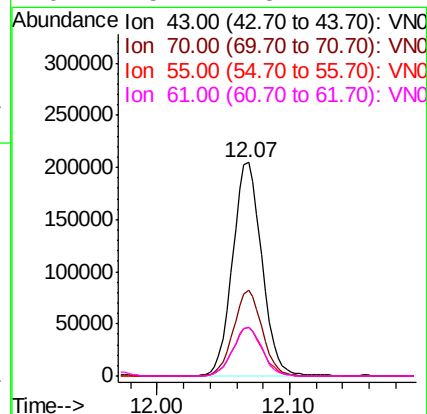
Ion Ratio Lower Upper

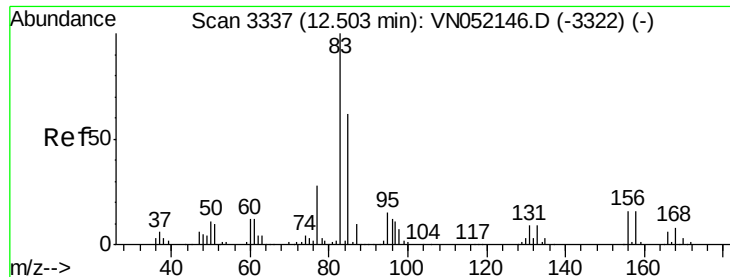
43 100

70 39.3 31.9 47.9

55 23.2 18.4 27.6

61 23.1 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.092 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

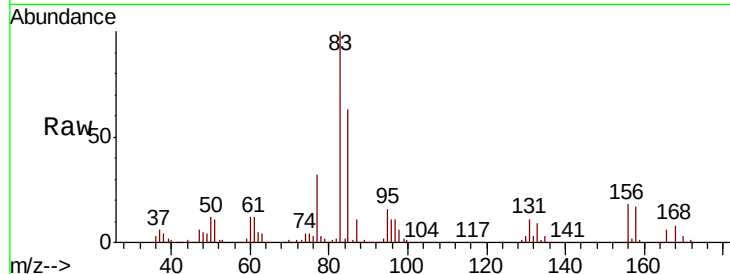
ClientSampleId :

VSTDCCC050

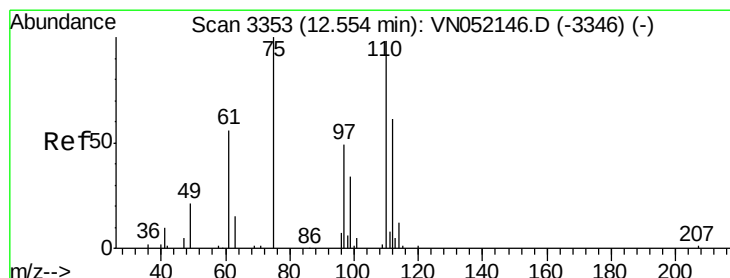
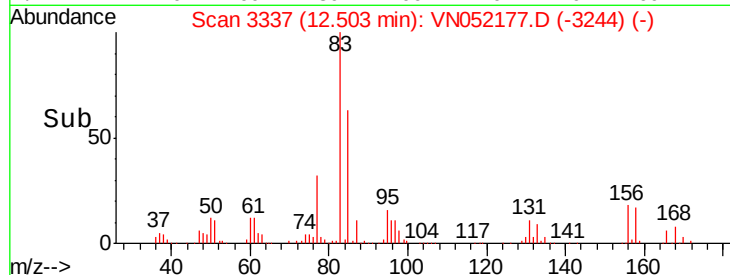
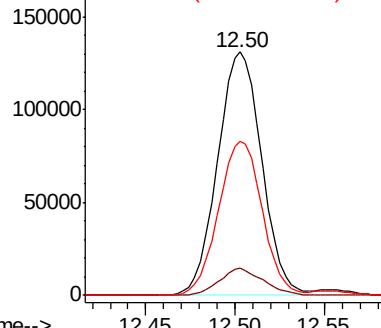
Tot Ion:	83	Resp:	226864
Ion Ratio	Lower	Upper	
83	100		
131	10.9	4.5	13.4
85	62.7	31.3	93.9

Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:58:42 PM



Abundance Ion 82.90 (82.60 to 83.60): VN052177.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 55.203 ug/l m

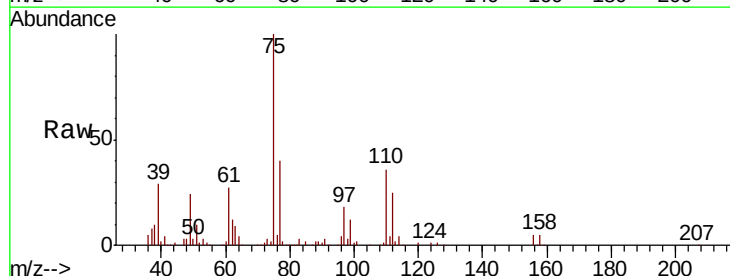
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

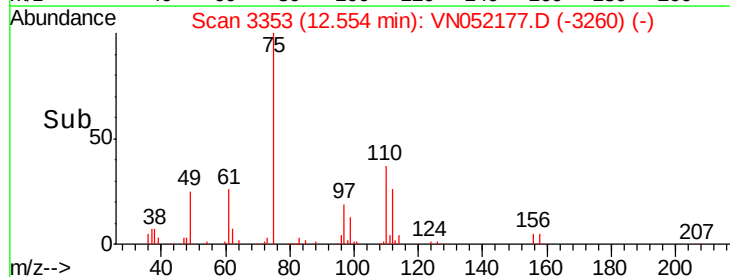
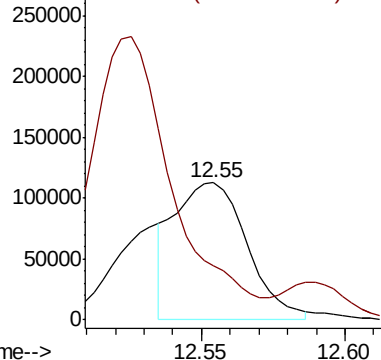
Lab File: VN052177.D

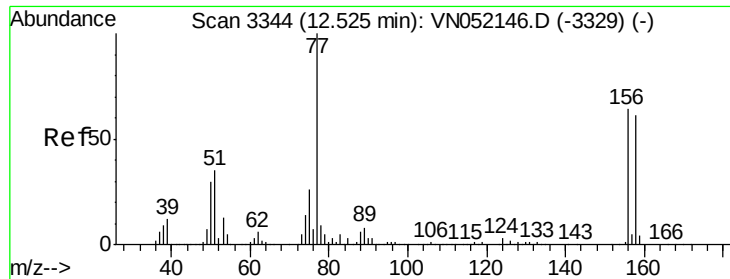
Acq: 6 Nov 2018 8:20

Tgt Ion:	75	Resp:	199667
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052177.D (-3260) (-)





#77

Bromobenzene

Concen: 50.476 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

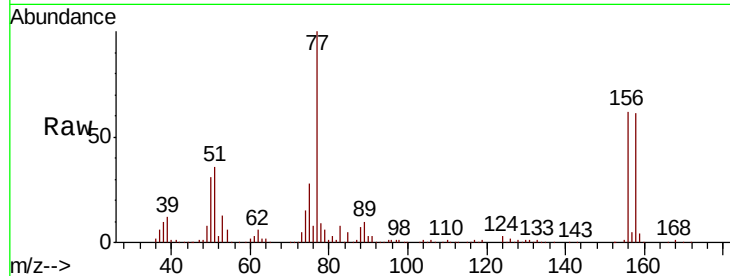
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
249044	156	100		
	77	187.0	119.6	358.6
	158	97.7	47.8	143.4

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11/6/2018 5:58:42 PM

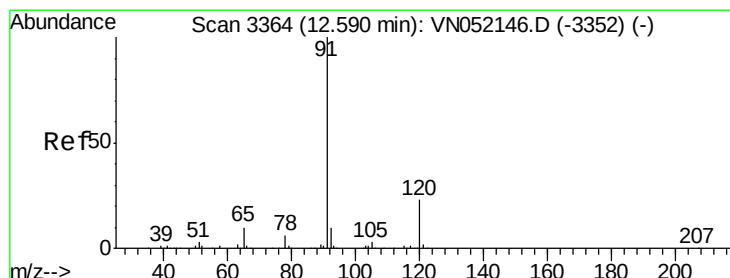
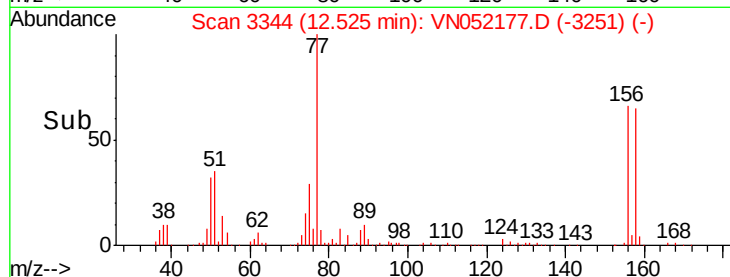
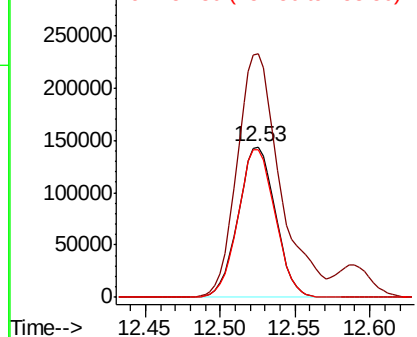


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.965 ug/l

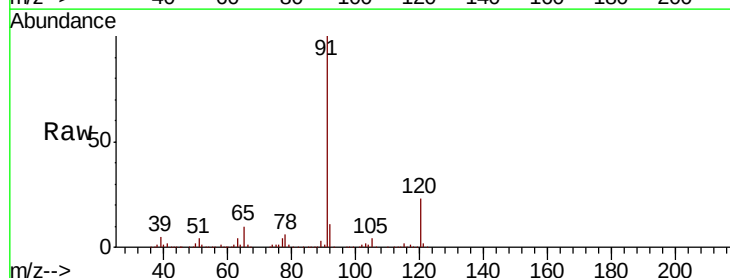
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

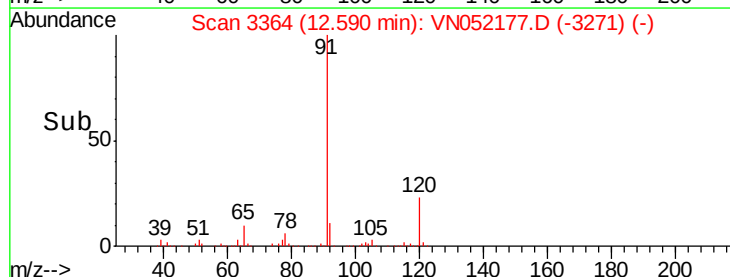
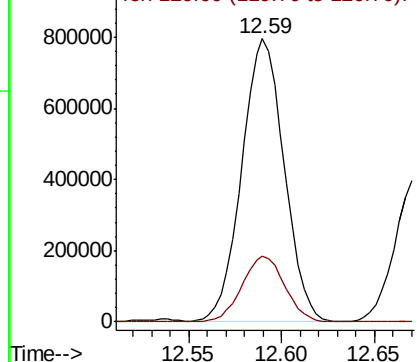
Tgt Ion	Ion	Ratio	Lower	Upper
1252408	91	100		
	120	23.5	10.8	32.4

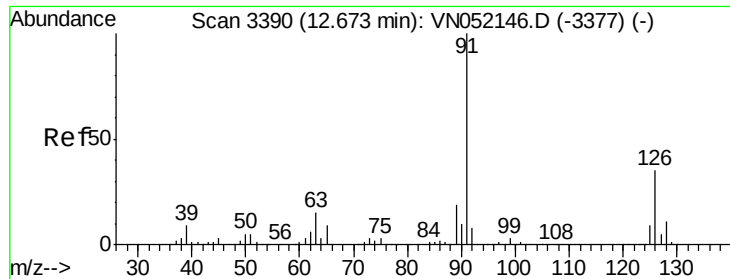


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





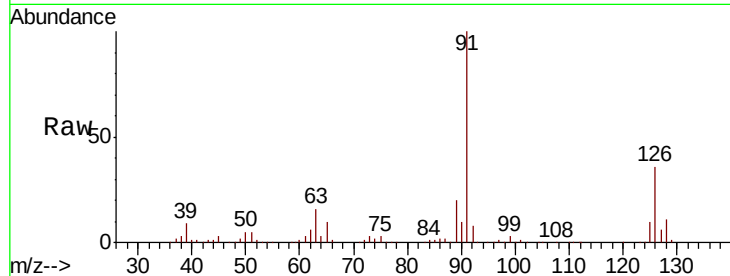
#79
2-Chlorotoluene
Concen: 50.113 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

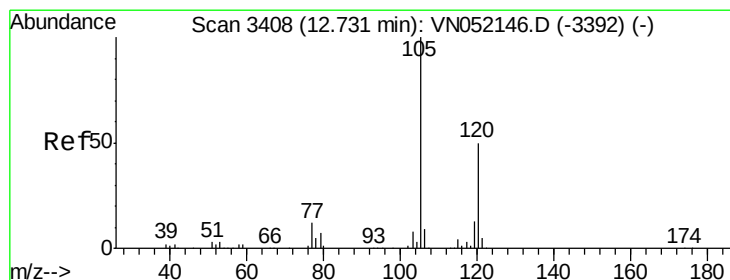
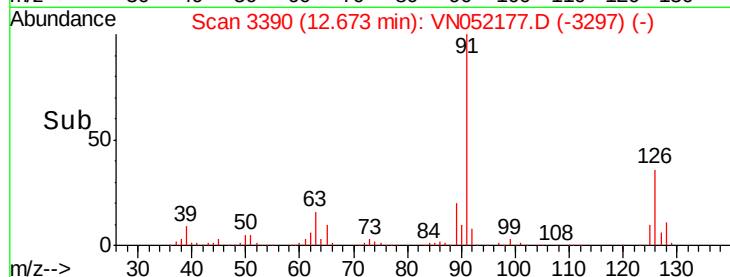
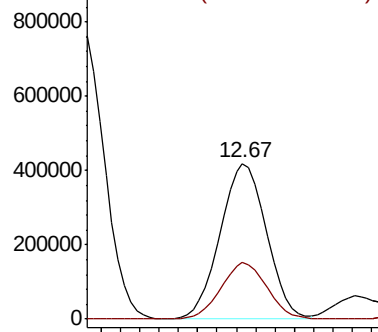
Tot Ion: 91 Resp: 694876
Ion Ratio Lower Upper
91 100
126 36.2 15.9 47.6

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11/6/2018 5:58:42 PM

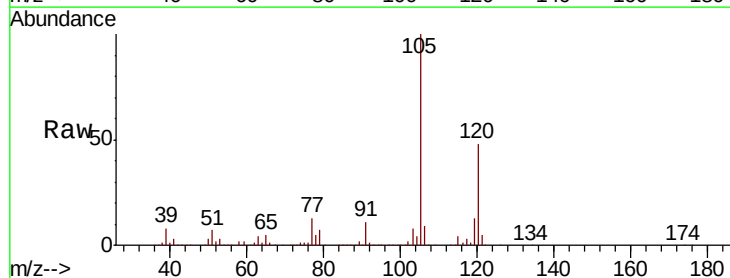


Abundance Ion 91.00 (90.70 to 91.70): VN052146.D (-3377) (-)
Ion 125.90 (125.60 to 126.60): VN052146.D (-3377) (-)

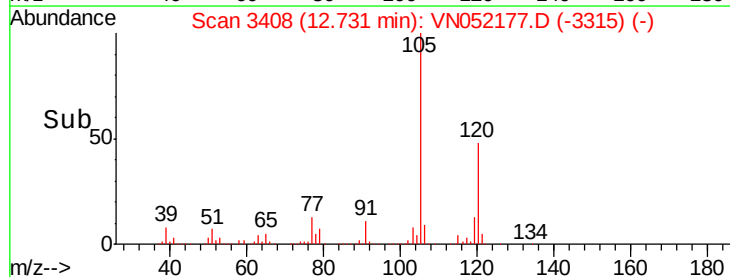
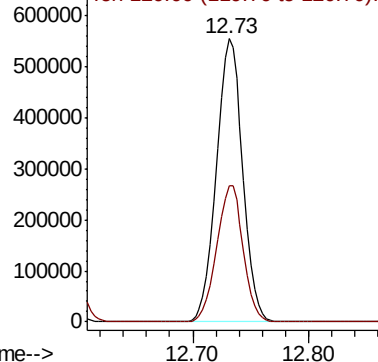


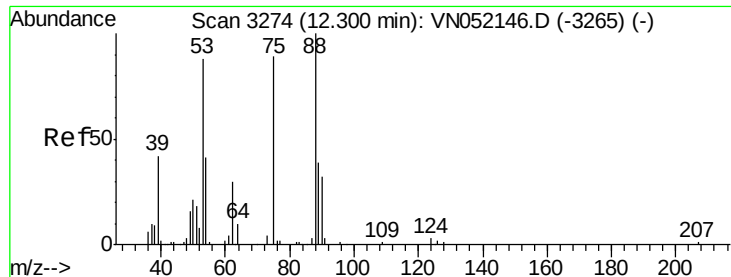
#80
1,3,5-Trimethylbenzene
Concen: 52.037 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Tgt Ion: 105 Resp: 871500
Ion Ratio Lower Upper
105 100
120 48.5 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN052146.D (-3392) (-)
Ion 120.00 (119.70 to 120.70): VN052146.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 55.667 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

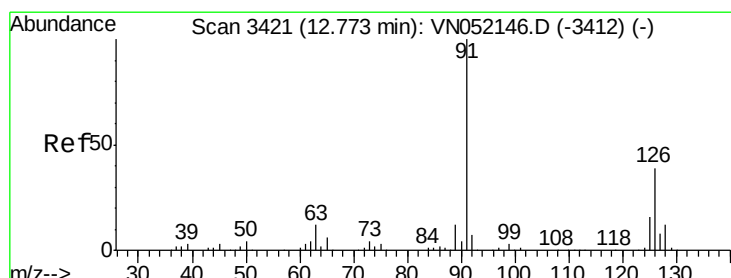
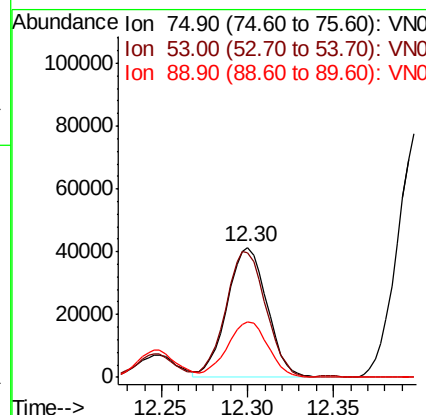
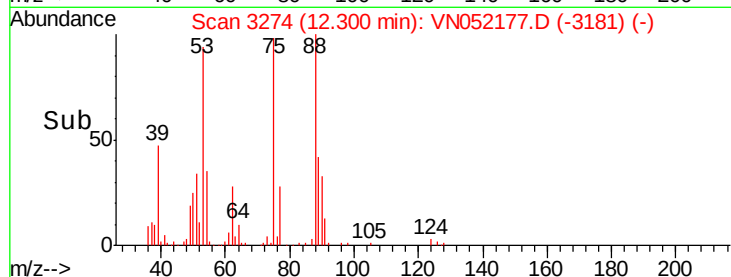
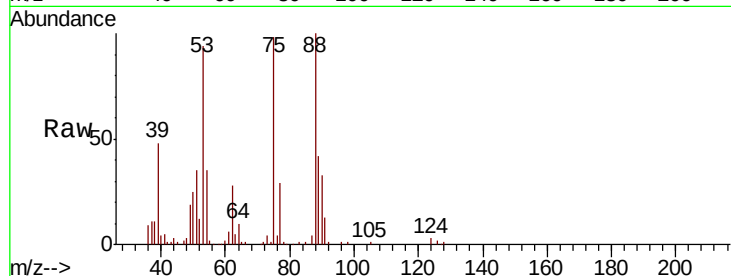
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	66951
Ion	Ratio	Lower	Upper
75	100		
53	96.8	81.8	122.6
89	44.1	36.6	54.8

Manual Integrations
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11/6/2018 5:58:42 PM



#82

4-Chlorotoluene

Concen: 51.902 ug/l

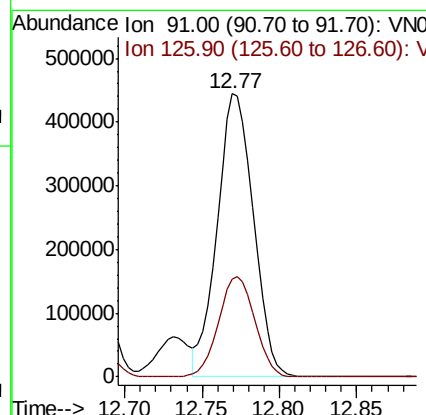
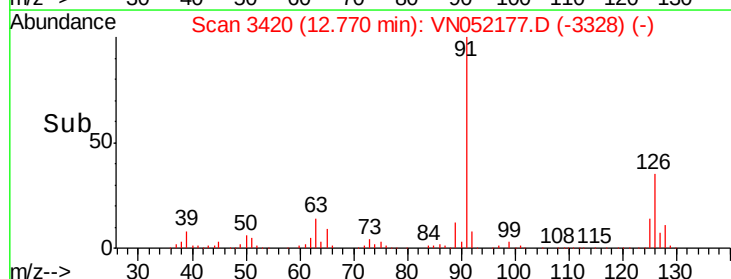
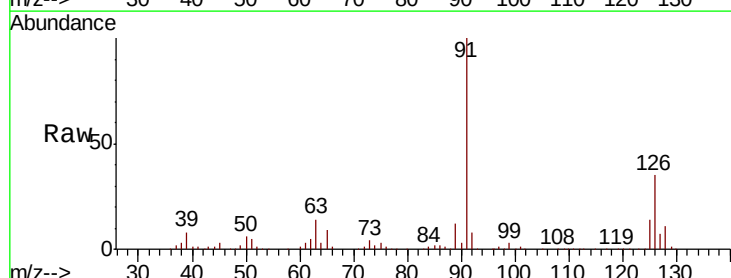
RT: 12.77 min Scan# 3420

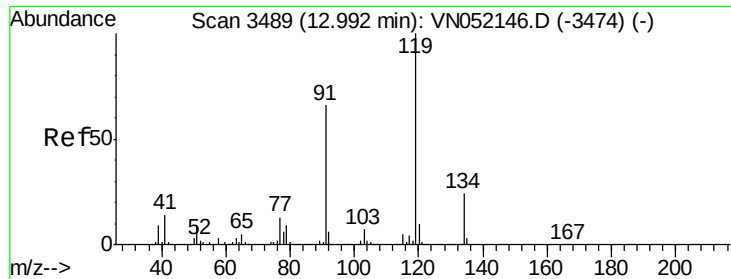
Delta R.T. -0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Tgt Ion:	91	Resp:	723351
Ion	Ratio	Lower	Upper
91	100		
126	35.5	15.7	47.1





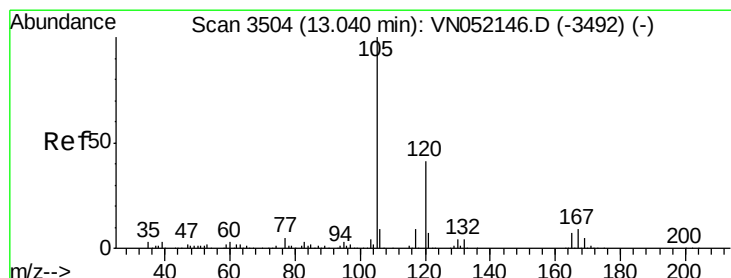
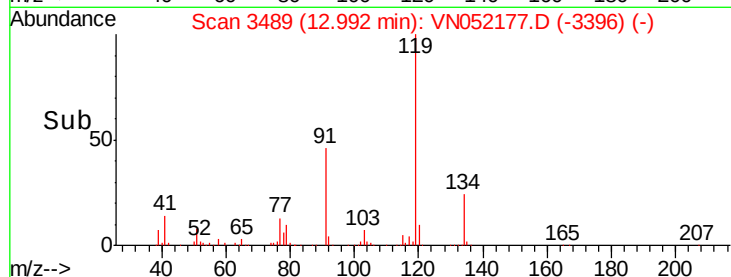
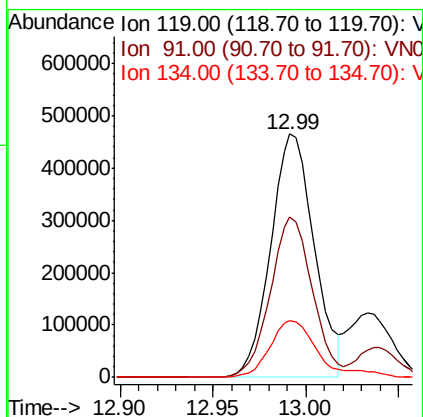
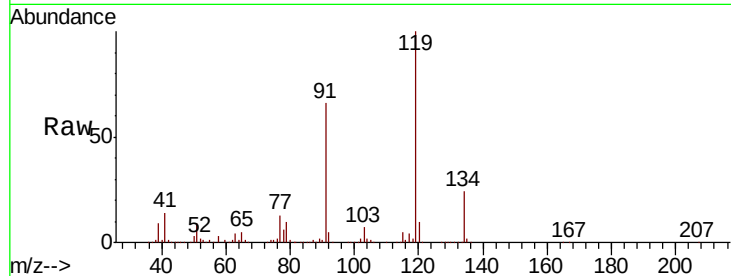
#83
 tert-Butylbenzene
 Concen: 51.503 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	761646		
91	63.8	36.6	109.9	
134	25.9	12.5	37.5	

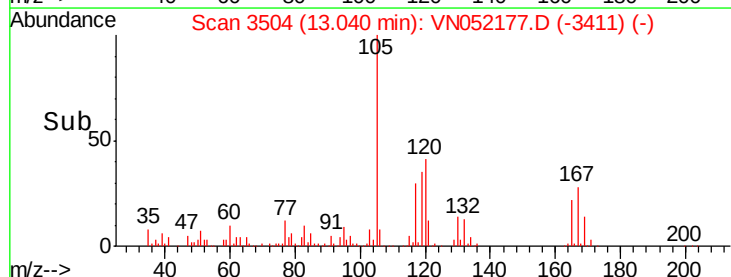
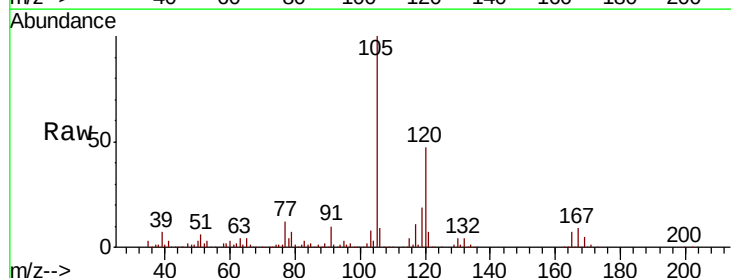
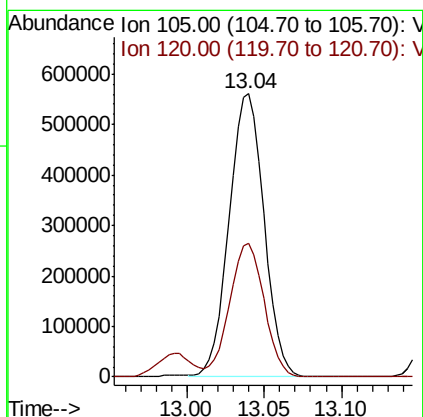
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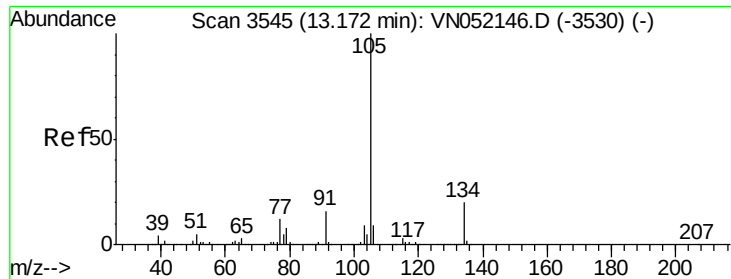
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 11/6/2018 5:58:42 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.495 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	875160		
120	46.8	21.9	65.5	





#85

sec-Butylbenzene

Concen: 52.778 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1055382

Ion Ratio Lower Upper

105 100

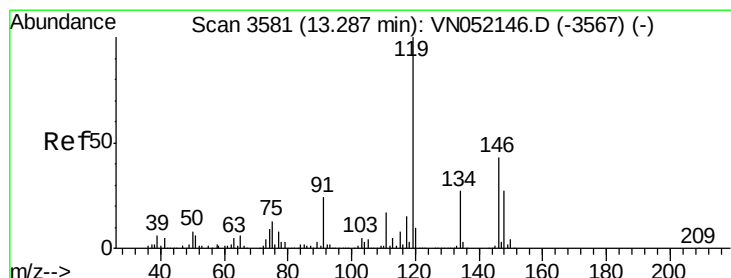
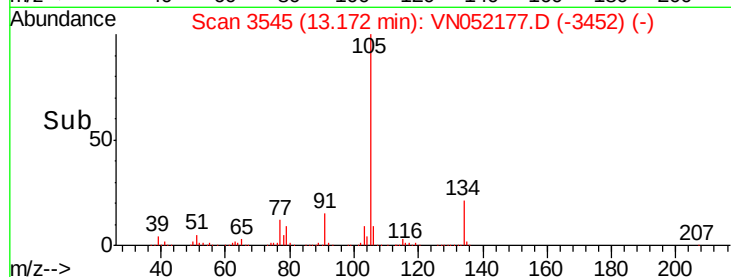
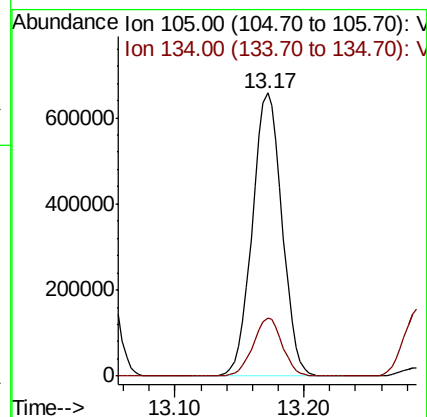
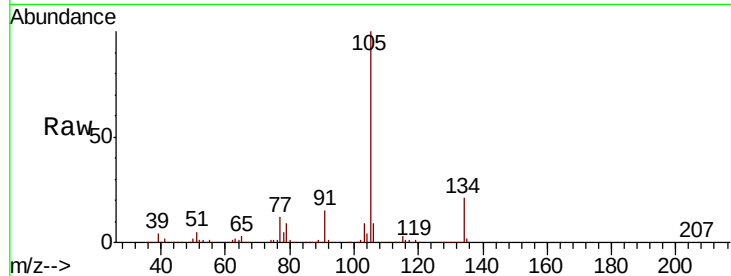
134 20.1 9.1 27.3

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11/6/2018 5:58:42 PM



#86

p-Isopropyltoluene

Concen: 53.439 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

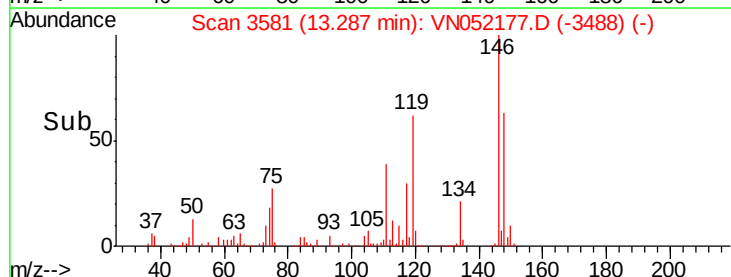
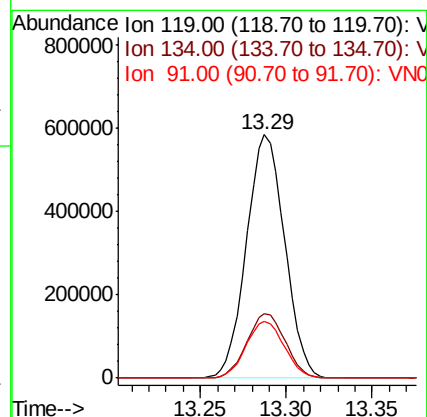
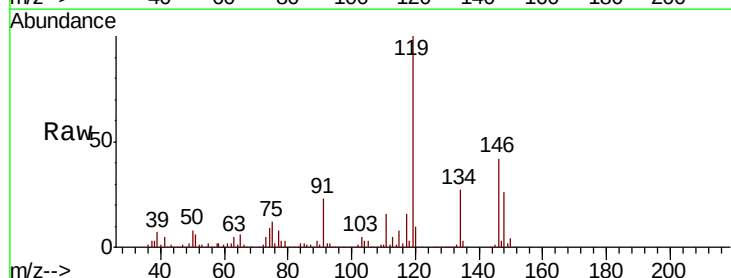
Tgt Ion:119 Resp: 899433

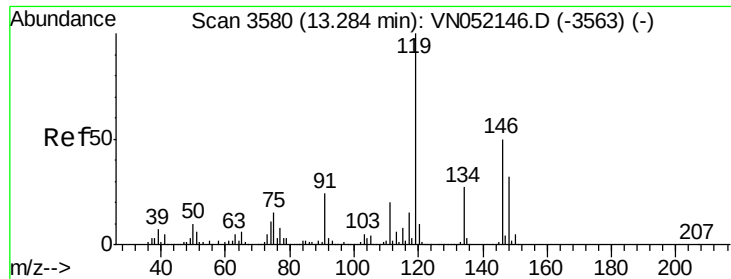
Ion Ratio Lower Upper

119 100

134 26.7 12.8 38.3

91 23.4 13.4 40.2





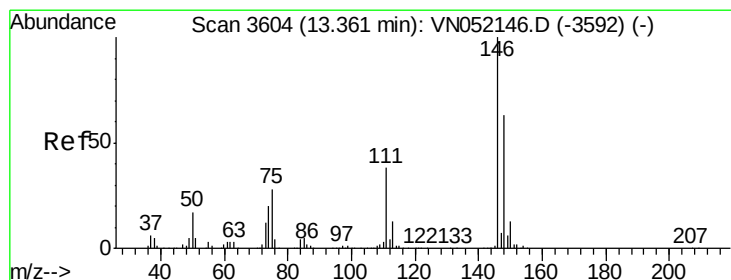
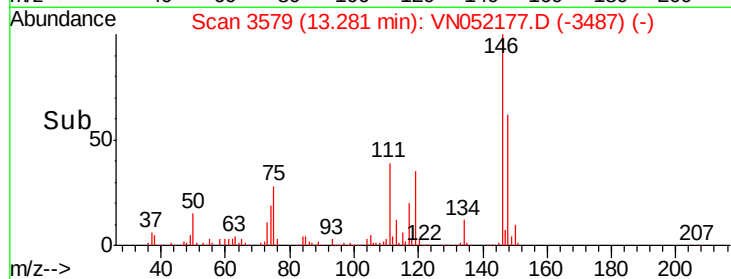
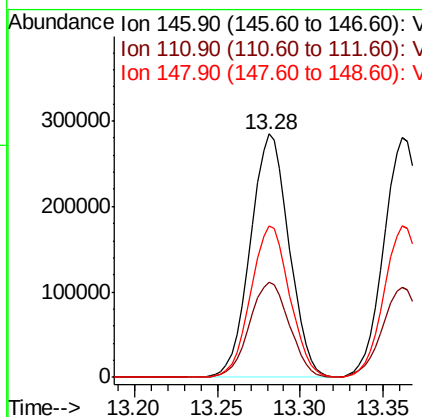
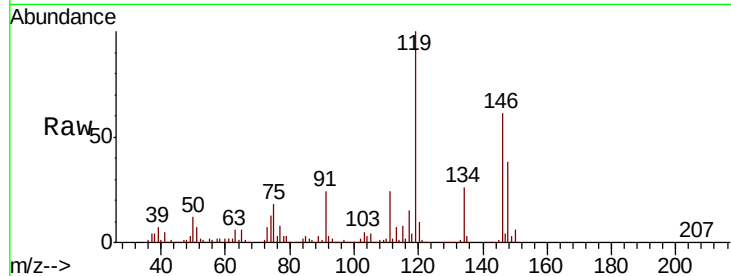
#87
 1,3-Dichlorobenzene
 Concen: 52.838 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	460693		
111	40.1	22.9	68.8	
148	62.8	31.8	95.4	

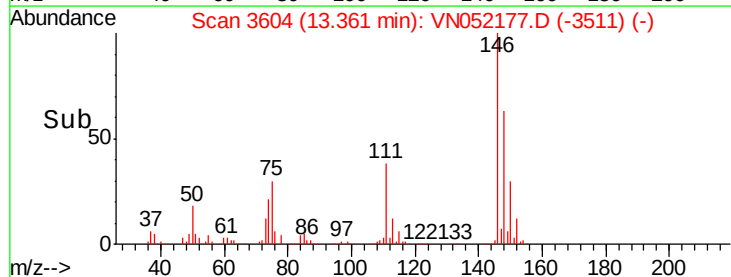
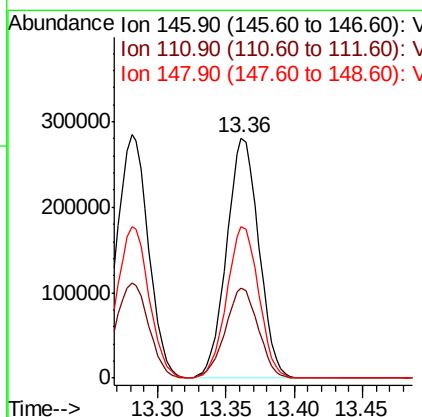
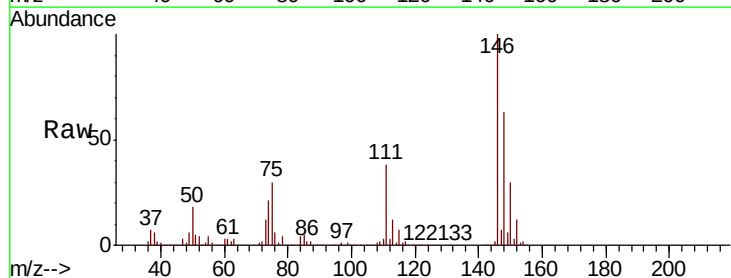
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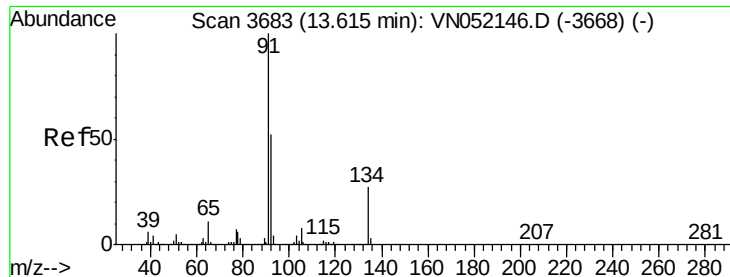
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 11/6/2018 5:58:42 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.808 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	460215		
111	38.2	21.9	65.8	
148	62.8	32.6	98.0	





#89

n-Butylbenzene

Concen: 54.132 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Instrument :

MSVOA_N

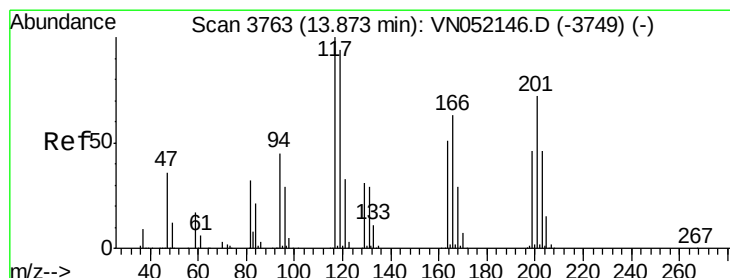
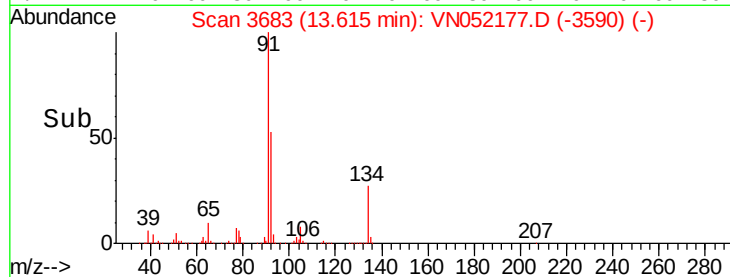
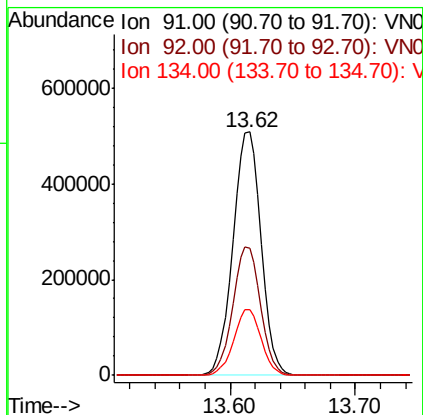
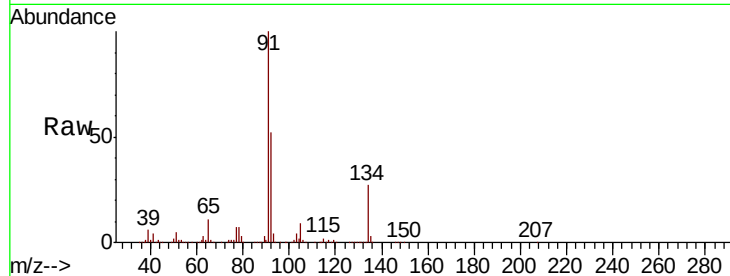
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	788919
Ion Ratio	Lower	Upper	
91	100		
92	52.0	25.3	75.8
134	26.4	11.2	33.5

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#90

Hexachloroethane

Concen: 54.297 ug/l

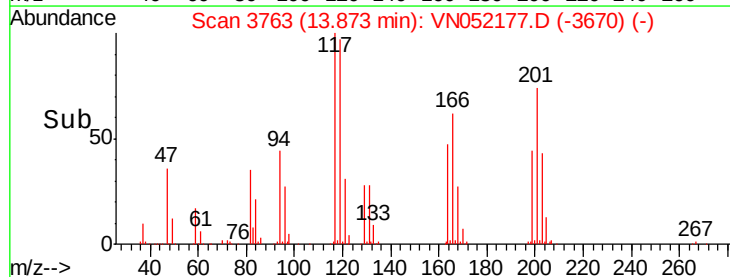
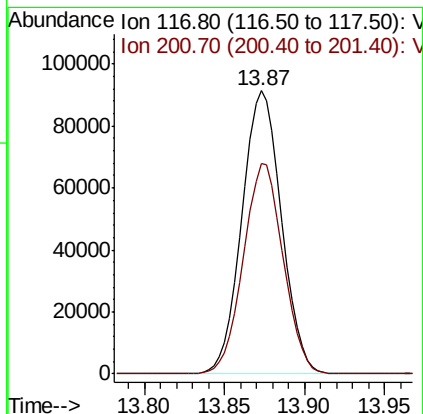
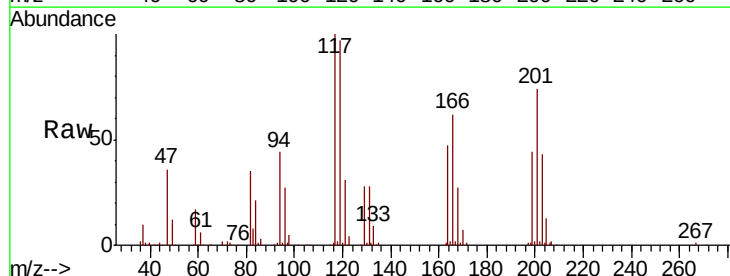
RT: 13.87 min Scan# 3763

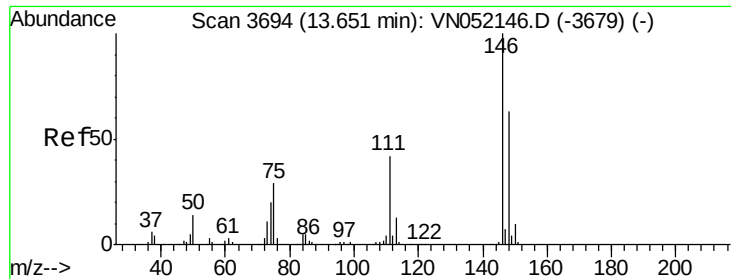
Delta R.T. 0.00 min

Lab File: VN052177.D

Acq: 6 Nov 2018 8:20

Tgt Ion:	117	Resp:	154017
Ion Ratio	Lower	Upper	
117	100		
201	74.7	31.1	93.5





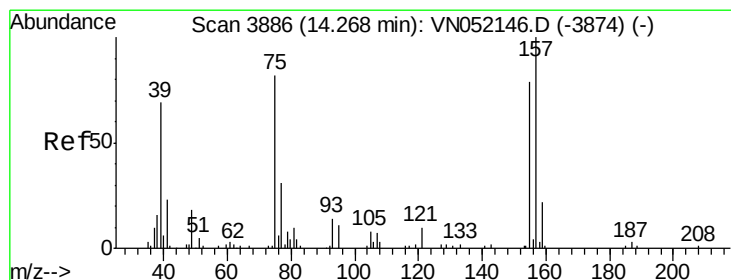
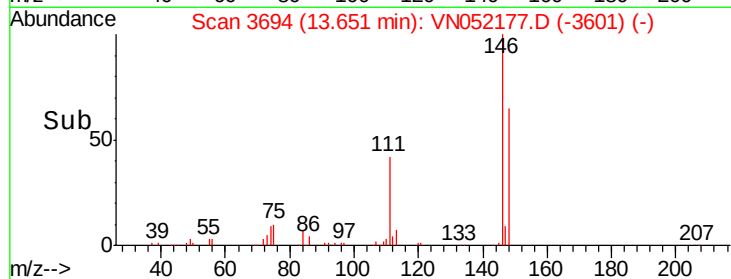
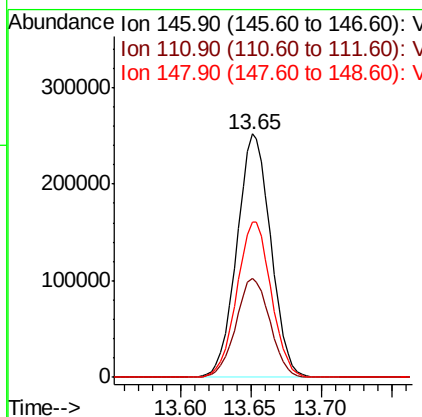
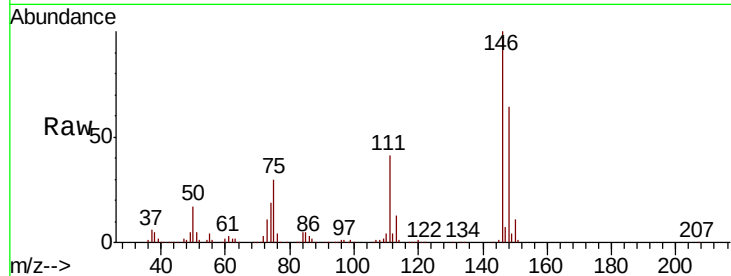
#91
 1,2-Dichlorobenzene
 Concen: 51.709 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	22.5	67.5
148	64.9	30.9	92.8

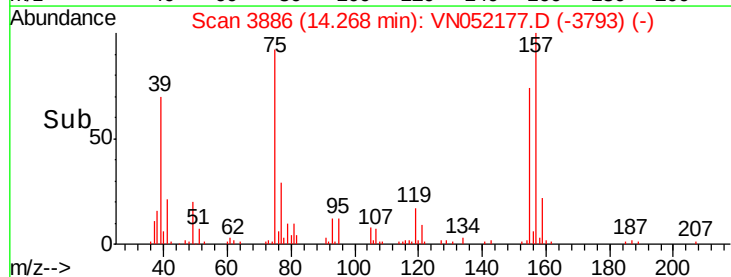
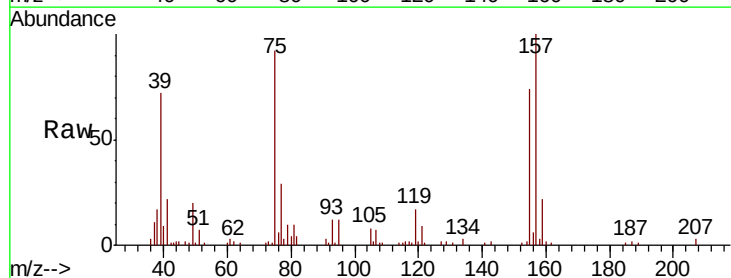
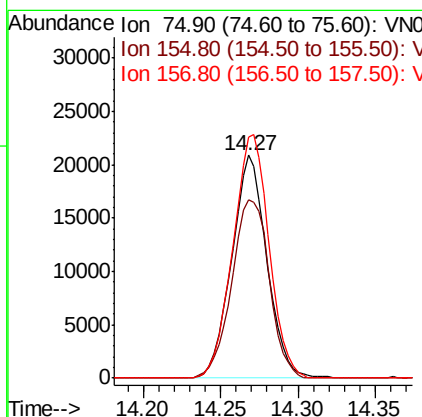
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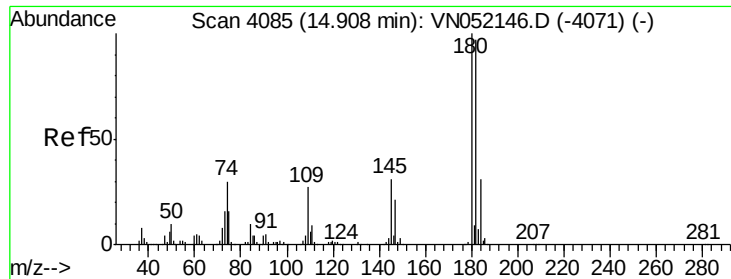
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.003 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.5	34.0	102.0
157	112.2	42.1	126.4





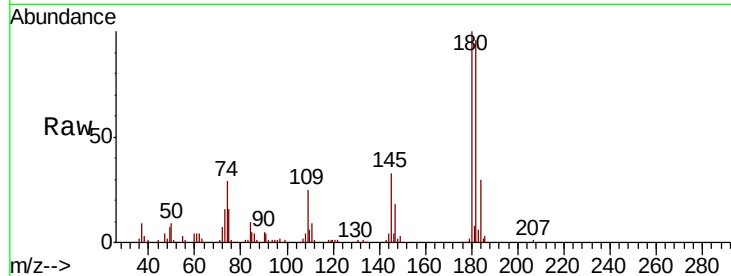
#93
 1,2,4-Trichlorobenzene
 Concen: 50.446 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	194756		
182	94.0	49.1	147.4	
145	31.1	16.4	49.2	

Manual Integrations
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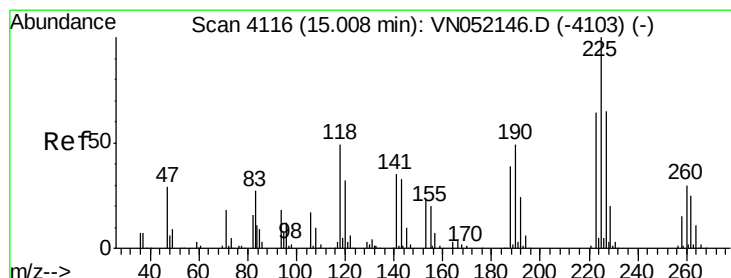
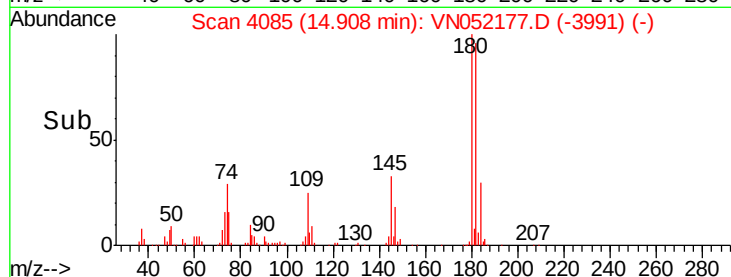
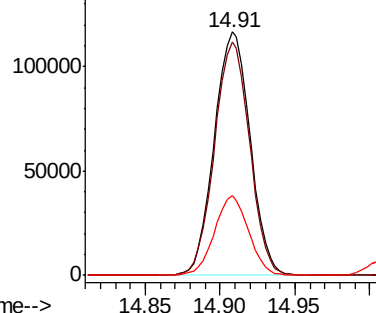


Abundance

Ion 179.80 (179.50 to 180.50): V

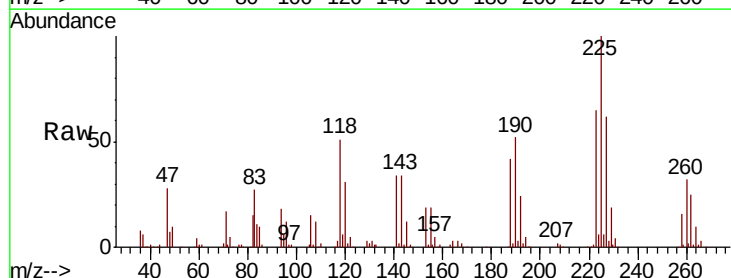
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.136 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052177.D
 Acq: 6 Nov 2018 8:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	100224		
223	64.7	33.1	99.3	
227	63.0	32.6	97.8	

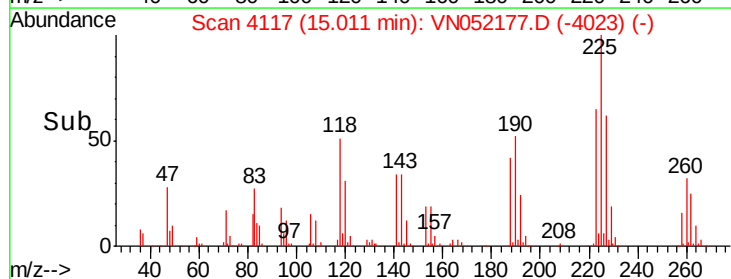
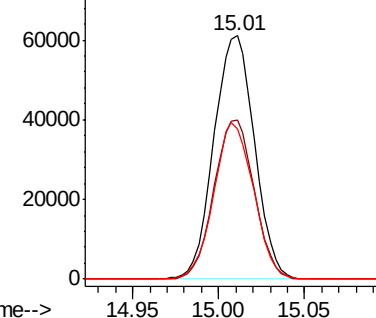


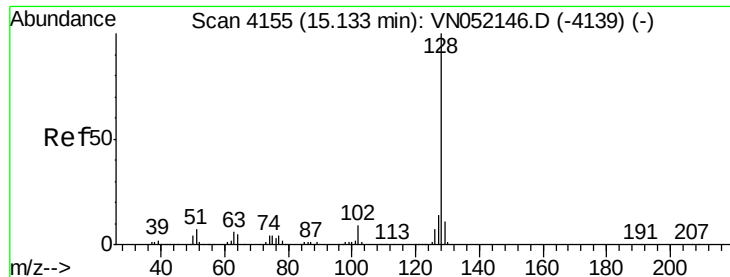
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





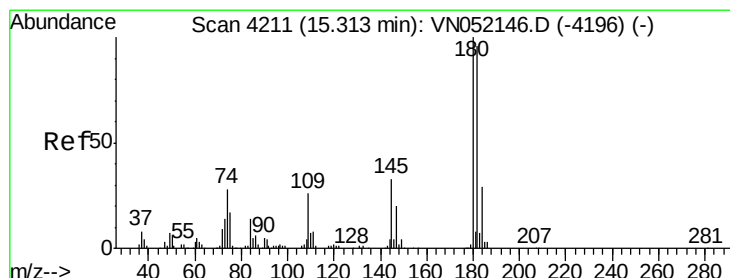
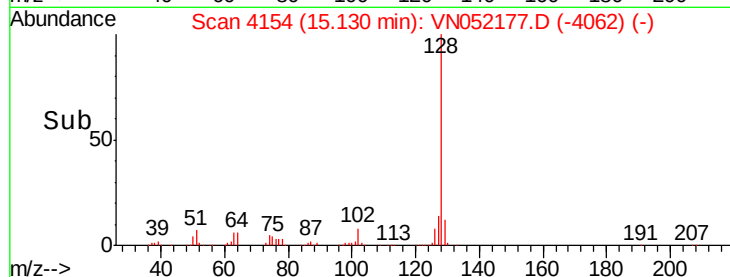
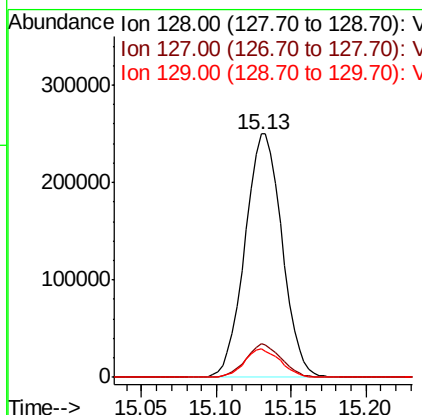
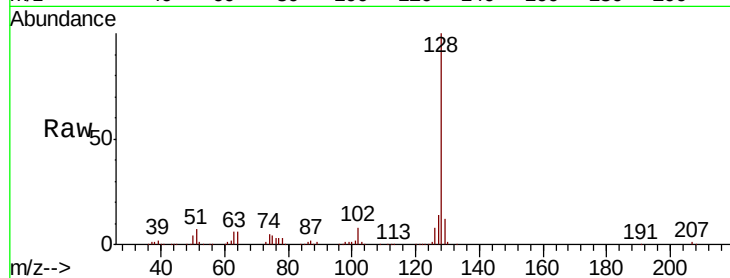
#95
Naphthalene
Concen: 51.449 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:58:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.948 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052177.D
Acq: 6 Nov 2018 8:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.2	141.6
145	31.6	16.6	49.7

