

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055475.D
 Acq On : 8 May 2019 7:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:16:57 AM

Quant Time: May 08 08:49:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	337998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	570355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	483808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	204158	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	236825	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
35) Dibromofluoromethane	7.59	113	182089	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
50) Toluene-d8	10.09	98	642430	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
62) 4-Bromofluorobenzene	12.40	95	220706	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	192653	46.521	ug/l	98
3) Chloromethane	2.06	50	210651	41.080	ug/l	99
4) Vinyl Chloride	2.19	62	188786	45.672	ug/l	97
5) Bromomethane	2.57	94	124842	57.019	ug/l	98
6) Chloroethane	2.71	64	105760	47.231	ug/l	98
7) Trichlorofluoromethane	3.02	101	289102	49.187	ug/l	99
8) Diethyl Ether	3.41	74	115455	56.145	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	171763	49.074	ug/l	99
10) Methyl Iodide	3.96	142	235738	47.859	ug/l	98
11) Tert butyl alcohol	4.79	59	82535	326.020	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	161611	48.403	ug/l	98
13) Acrolein	3.61	56	54319	274.744	ug/l	100
14) Allyl chloride	4.33	41	344991	49.890	ug/l	99
15) Acrylonitrile	4.99	53	430470	302.513	ug/l	100
16) Acetone	3.82	43	329233	238.961	ug/l	100
17) Carbon Disulfide	4.06	76	339555	38.969	ug/l	98
18) Methyl Acetate	4.33	43	231310	69.319	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	561878	59.861	ug/l	98
20) Methylene Chloride	4.56	84	200957	47.785	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	168787	47.733	ug/l	99
22) Diisopropyl ether	5.96	45	798725	58.133	ug/l	98
23) Vinyl Acetate	5.90	43	2662453	295.666	ug/l	99
24) 1,1-Dichloroethane	5.86	63	393936	53.812	ug/l	98
25) 2-Butanone	6.84	43	516048	292.878	ug/l	99
26) 2,2-Dichloropropane	6.83	77	150489	29.769	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	210837	52.431	ug/l	98
28) Bromochloromethane	7.20	49	190102	51.517	ug/l	96
29) Tetrahydrofuran	7.21	42	350297	310.478	ug/l	99
30) Chloroform	7.37	83	375227	54.070	ug/l	98
31) Cyclohexane	7.66	56	324795	46.697	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	302183	53.653	ug/l	98
36) 1,1-Dichloropropene	7.79	75	254780	46.636	ug/l	100
37) Ethyl Acetate	6.93	43	229393	54.787	ug/l	99
38) Carbon Tetrachloride	7.78	117	246318	46.740	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	270513	46.572	ug/l	99
40) Benzene	8.04	78	795176	49.375	ug/l	100
41) Methacrylonitrile	7.17	41	146996	64.648	ug/l	92
42) 1,2-Dichloroethane	8.13	62	300606	52.701	ug/l	99
43) Isopropyl Acetate	8.17	43	401494	59.668	ug/l	98
44) Trichloroethene	8.84	130	199758	48.655	ug/l	99
45) 1,2-Dichloropropane	9.12	63	241085	51.903	ug/l	100
46) Dibromomethane	9.21	93	127183	50.093	ug/l	99
47) Bromodichloromethane	9.40	83	283983	52.138	ug/l	99
48) Methyl methacrylate	9.20	41	197078	59.578	ug/l	97
49) 1,4-Dioxane	9.21	88	38700	1131.753	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1139727	300.845	ug/l	98
52) Toluene	10.16	92	454773	49.215	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	243221	51.439	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	294651	49.980	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	184573	53.790	ug/l	99
56) Ethyl methacrylate	10.43	69	253301	59.974	ug/l	99
57) 1,3-Dichloropropane	10.71	76	324123	53.845	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	249923	193.615	ug/l	100
59) 2-Hexanone	10.75	43	712944	300.775	ug/l	98
60) Dibromochloromethane	10.90	129	191034	54.472	ug/l	100
61) 1,2-Dibromoethane	11.01	107	169309	53.383	ug/l	98
64) Tetrachloroethene	10.63	164	200730	50.735	ug/l	98
65) Chlorobenzene	11.43	112	472366	49.938	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	187160	50.531	ug/l	99
67) Ethyl Benzene	11.51	91	874529	51.198	ug/l	98
68) m/p-Xylenes	11.62	106	624771	102.471	ug/l	99
69) o-Xylene	11.95	106	312249	51.670	ug/l	99
70) Styrene	11.96	104	515038	55.507	ug/l	99
71) Bromoform	12.13	173	114355	55.641	ug/l #	98
73) Isopropylbenzene	12.25	105	849555	52.452	ug/l	99
74) N-amyl acetate	12.07	43	293320	55.983	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	222559	55.361	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	195937m	51.720	ug/l	
77) Bromobenzene	12.53	156	201152	51.726	ug/l	98
78) n-propylbenzene	12.59	91	947427	45.177	ug/l	100
79) 2-Chlorotoluene	12.67	91	580150	52.571	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	702660	43.902	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	41695	38.703	ug/l	92
82) 4-Chlorotoluene	12.77	91	560418	45.961	ug/l	98
83) tert-Butylbenzene	12.99	119	618337	54.864	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	683686	47.762	ug/l	100
85) sec-Butylbenzene	13.17	105	808208	46.459	ug/l	99
86) p-Isopropyltoluene	13.29	119	693146	48.478	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	329762	48.270	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	322081	50.063	ug/l	99
89) n-Butylbenzene	13.61	91	541516	53.298	ug/l	99
90) Hexachloroethane	13.87	117	114663	50.669	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	342604	50.598	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31714	59.046	ug/l	98

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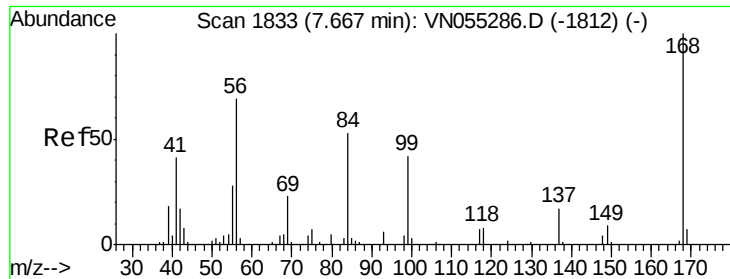
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APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	157444	58.387	ug/l	99
94) Hexachlorobutadiene	15.01	225	119306	59.064	ug/l	97
95) Naphthalene	15.13	128	315571	55.236	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	167883	63.138	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

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Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 337998

Ion Ratio Lower Upper

168 100

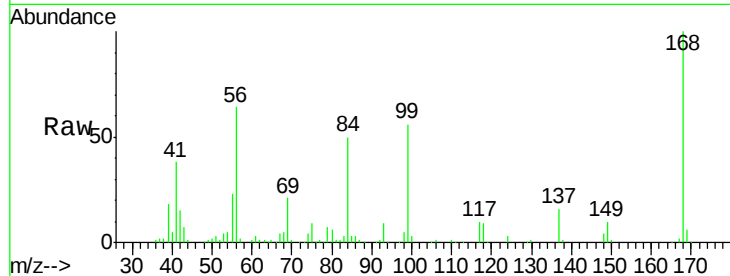
99 55.0 43.6 65.4

Manual Integrations

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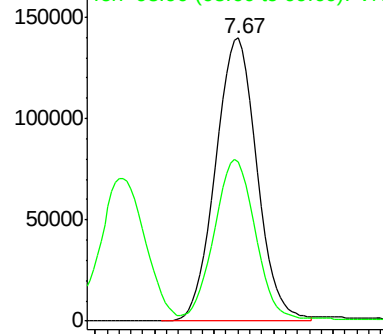
MMDadoda

5/8/2019 10:16:57 AM

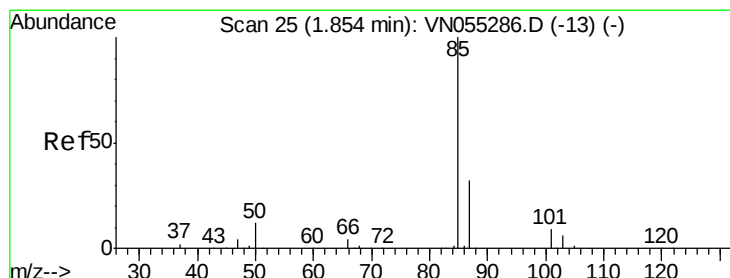
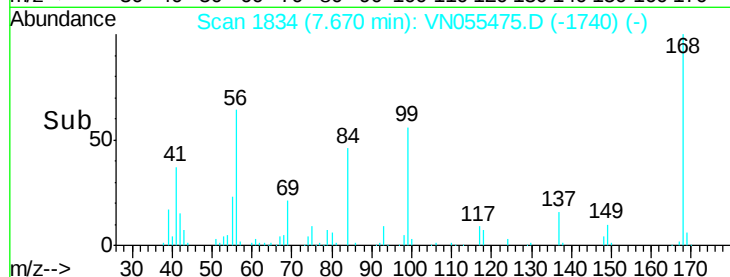


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



Time-->



#2

Dichlorodifluoromethane

Concen: 46.521 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055475.D

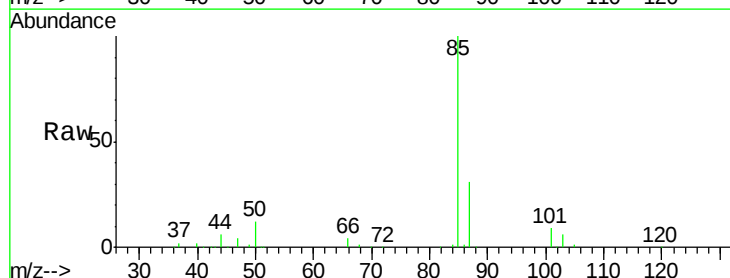
Acq: 8 May 2019 7:51

Tgt Ion: 85 Resp: 192653

Ion Ratio Lower Upper

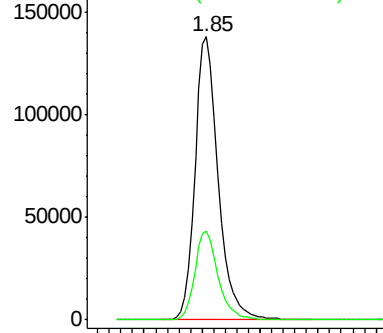
85 100

87 31.2 16.1 48.3

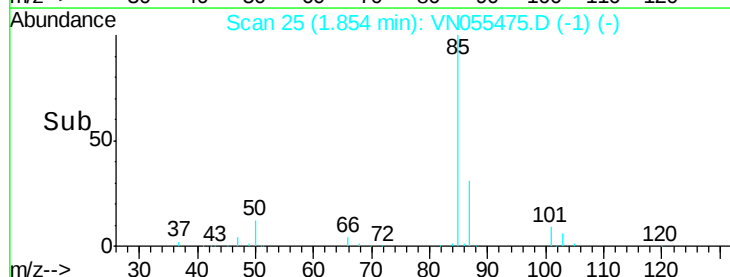


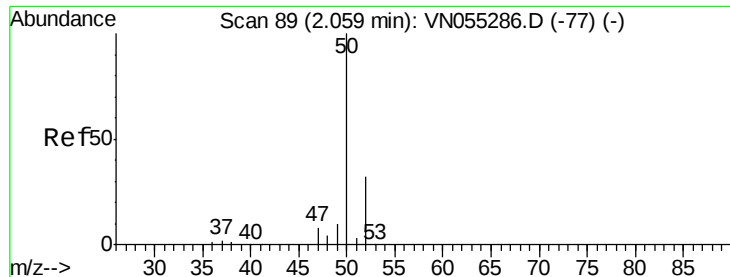
Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO



Time-->





#3

Chloromethane

Concen: 41.080 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 210651

Ion Ratio Lower Upper

50 100

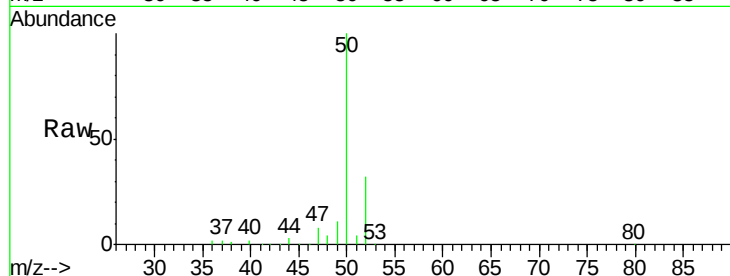
52 31.8 25.7 38.5

Manual Integrations

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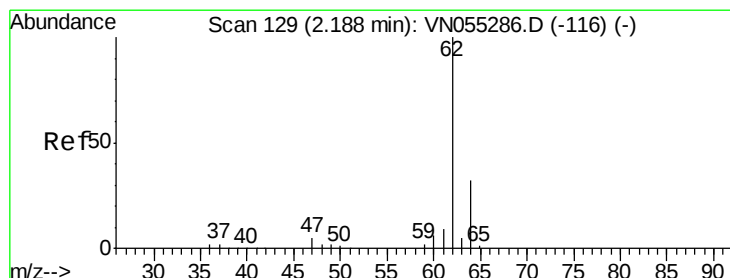
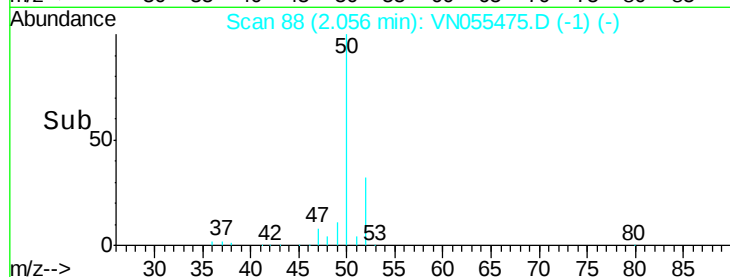
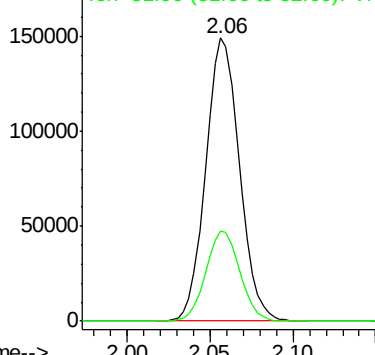
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.672 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055475.D

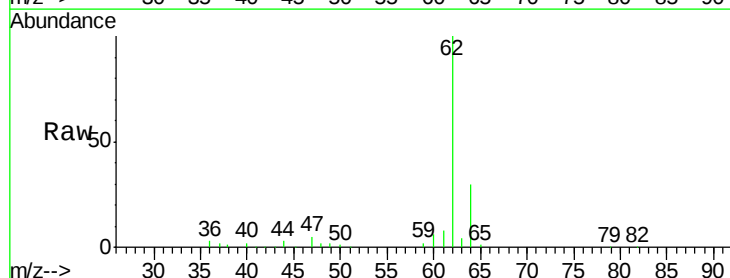
Acq: 8 May 2019 7:51

Tgt Ion: 62 Resp: 188786

Ion Ratio Lower Upper

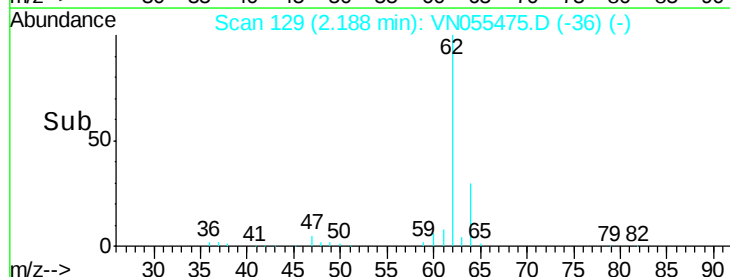
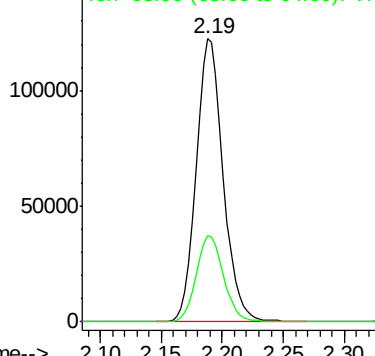
62 100

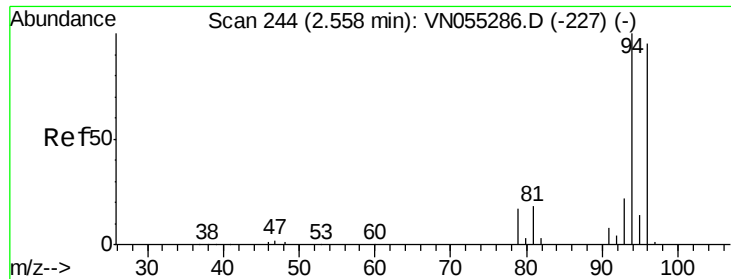
64 30.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 57.019 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 124842

Ion Ratio Lower Upper

94 100

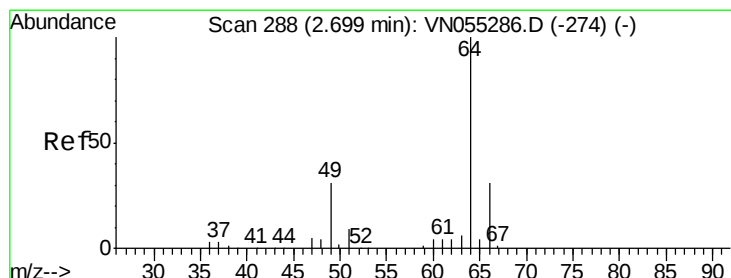
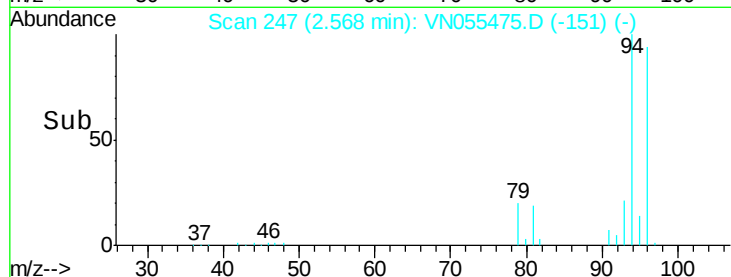
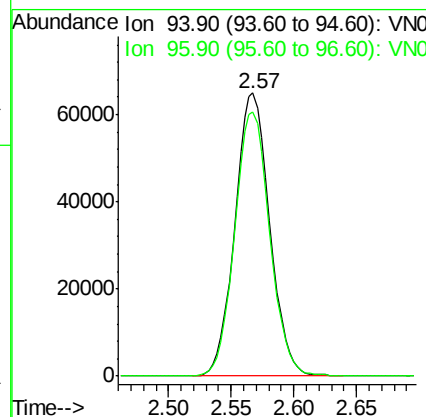
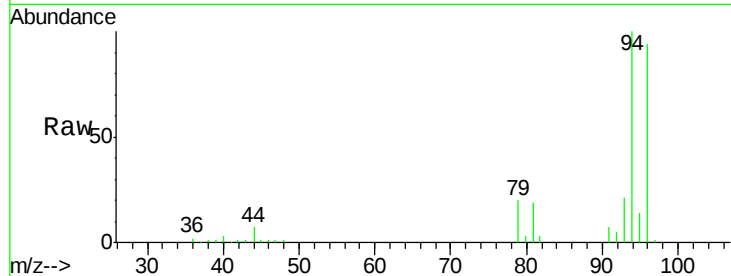
96 93.5 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 47.231 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055475.D

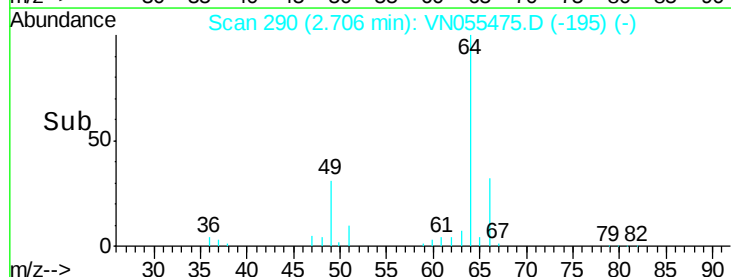
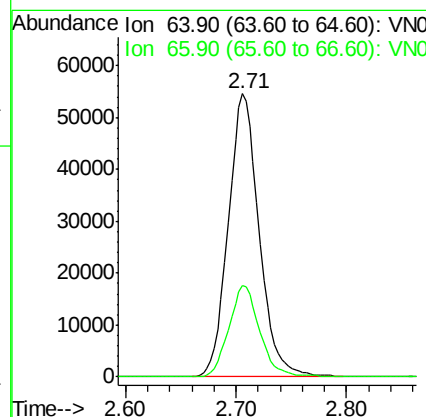
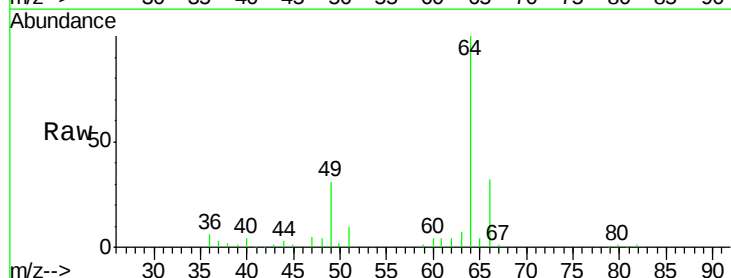
Acq: 8 May 2019 7:51

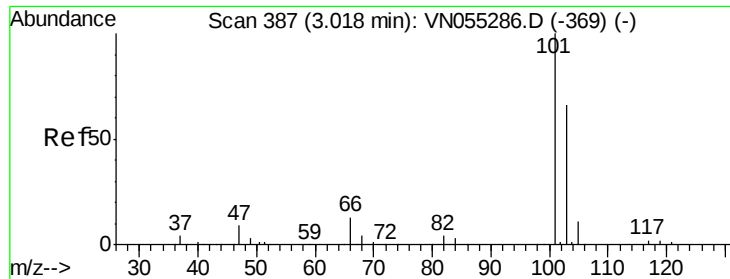
Tgt Ion: 64 Resp: 105760

Ion Ratio Lower Upper

64 100

66 32.2 25.0 37.4





#7

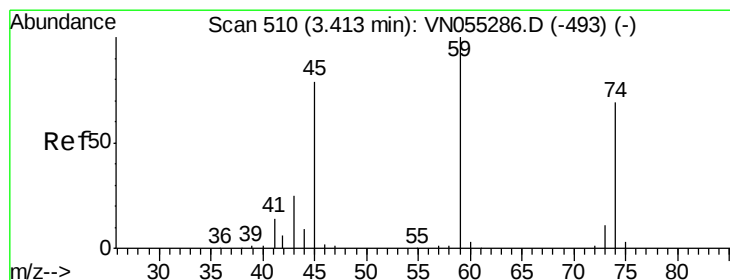
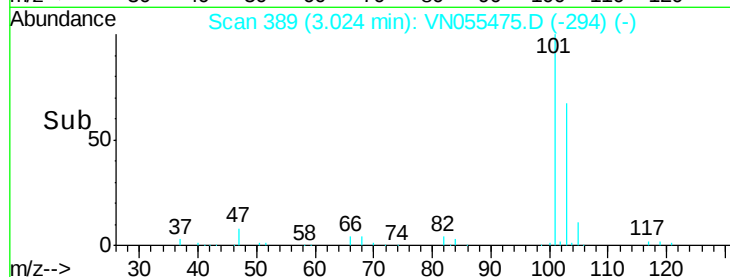
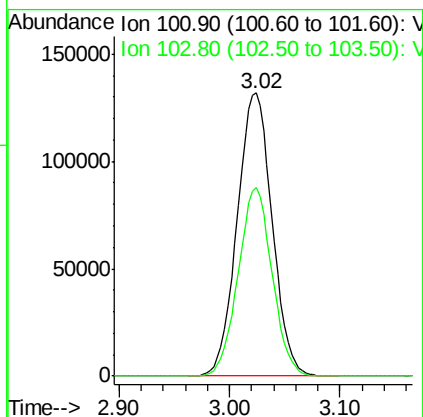
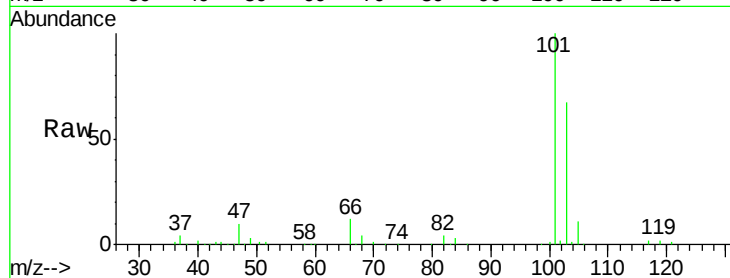
Trichlorofluoromethane
 Concen: 49.187 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	52.6	79.0

Manual Integrations
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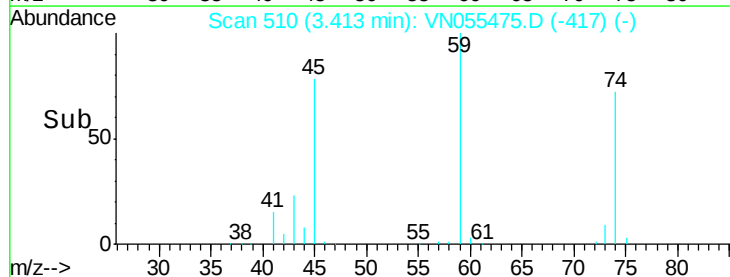
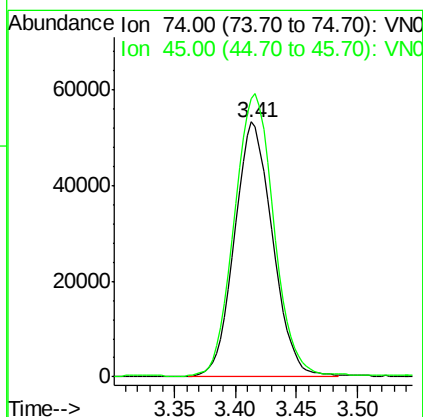
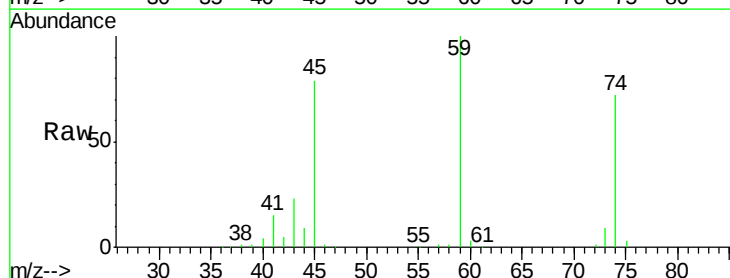
MMDadoda
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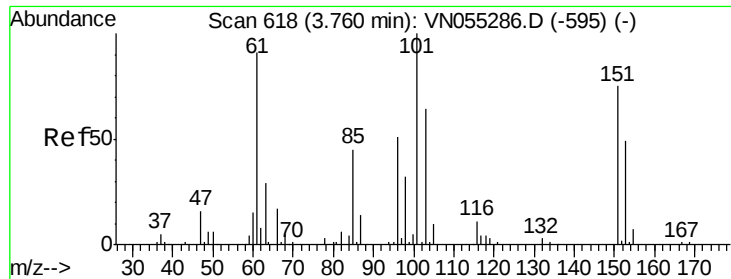


#8

Diethyl Ether
 Concen: 56.145 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.3	58.9	176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.074 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.01 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

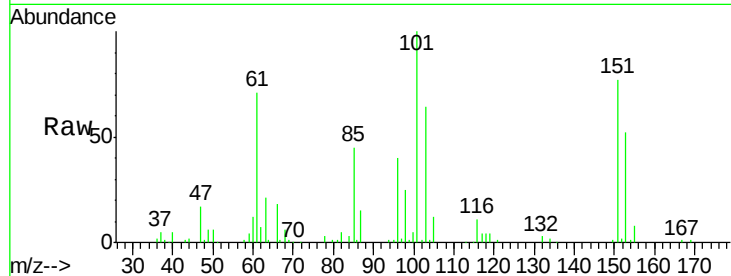
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VSTDCCC050EC

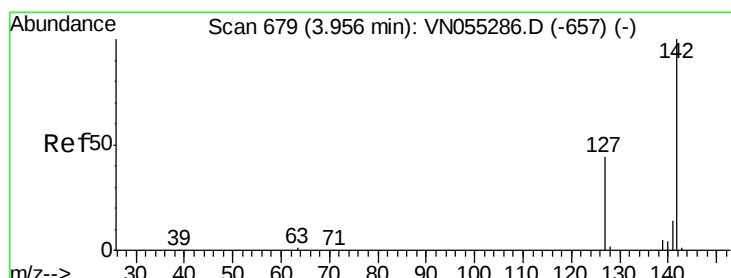
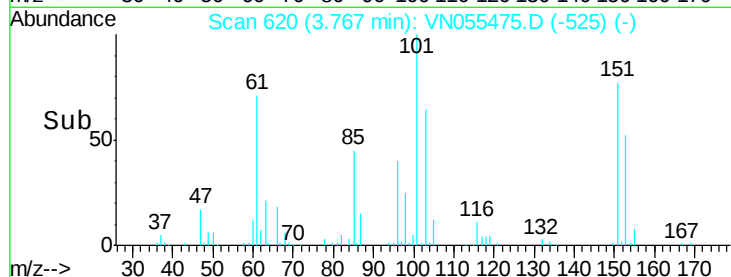
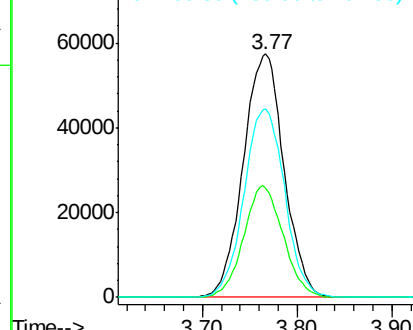
Tot Ion:	101	Resp:	171763
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.7	53.5
151	77.5	63.3	94.9

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



#10

Methyl Iodide

Concen: 47.859 ug/l

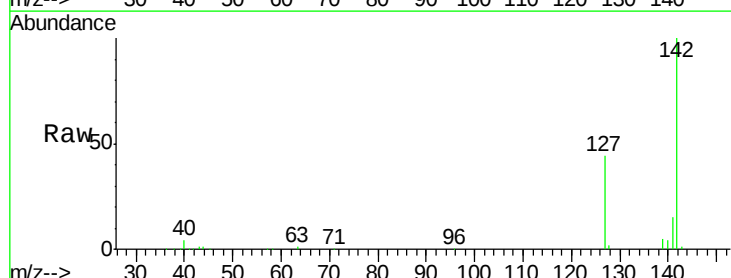
RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

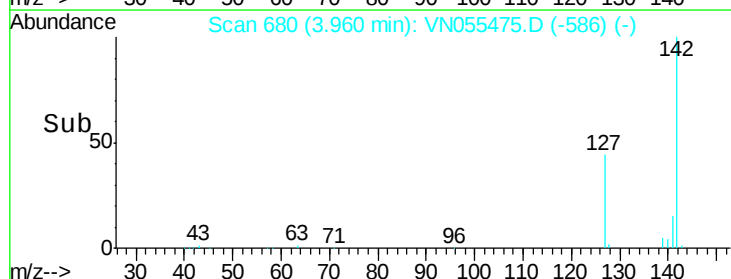
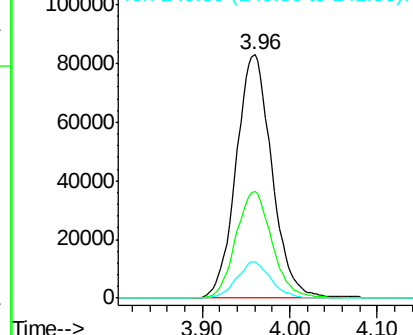
Lab File: VN055475.D

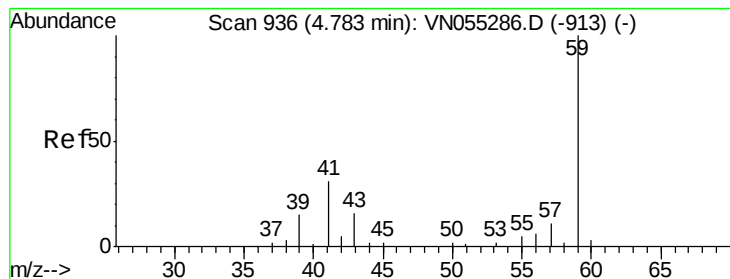
Acq: 8 May 2019 7:51

Tgt Ion:	142	Resp:	235738
Ion Ratio	Lower	Upper	
142	100		
127	44.2	34.4	51.6
141	14.2	11.5	17.3



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





#11

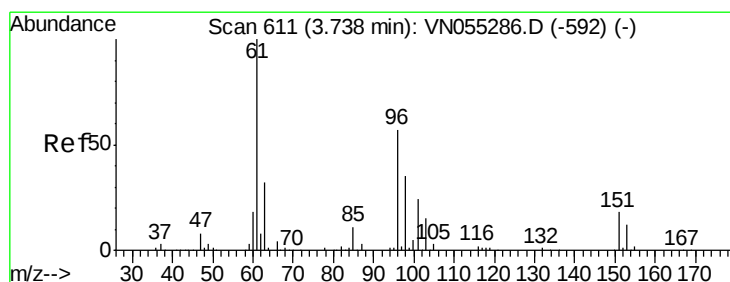
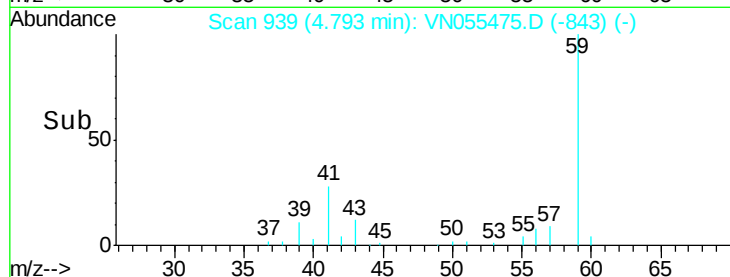
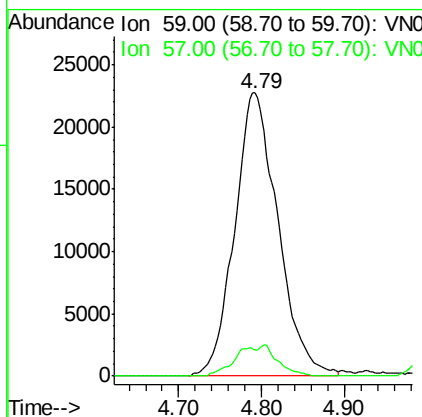
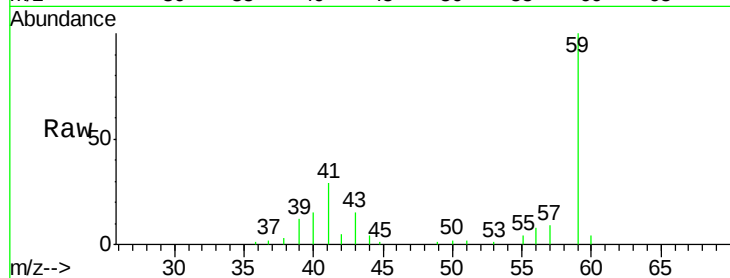
Tert butyl alcohol
 Concen: 326.020 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	82535		
57	5.4		8.2	12.2#

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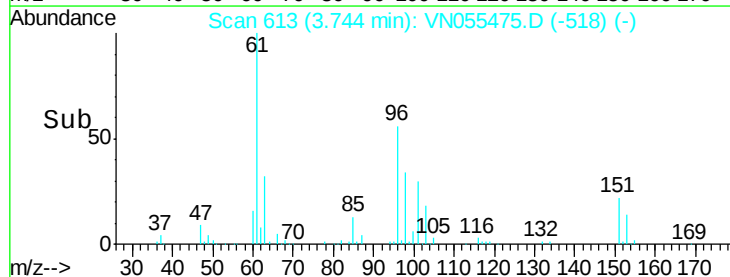
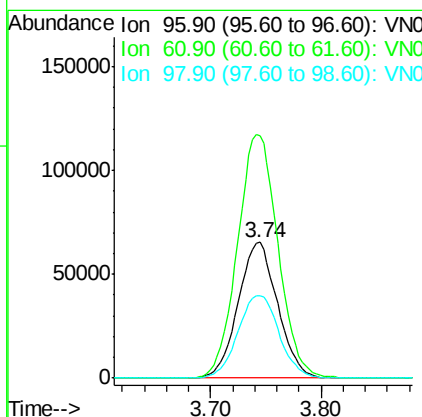
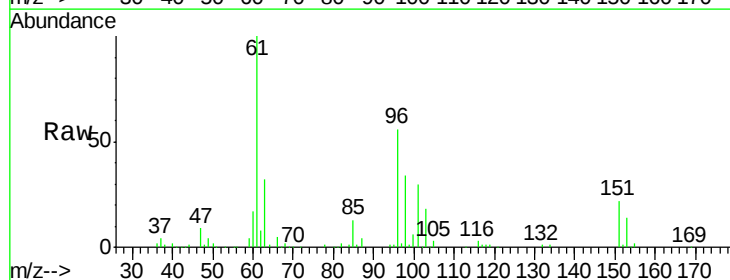
MMDadoda
 5/8/2019 10:16:57 AM

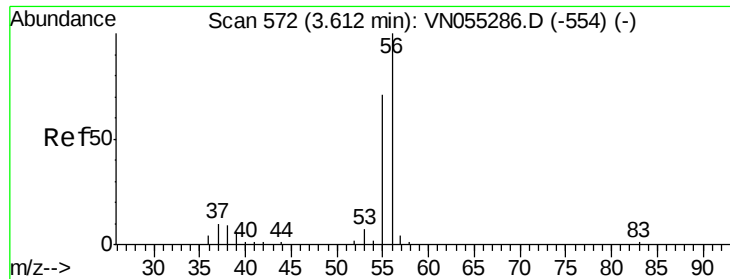


#12

1,1-Dichloroethene
 Concen: 48.403 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	161611		
61	178.5		140.9	211.3
98	60.9		50.0	75.0





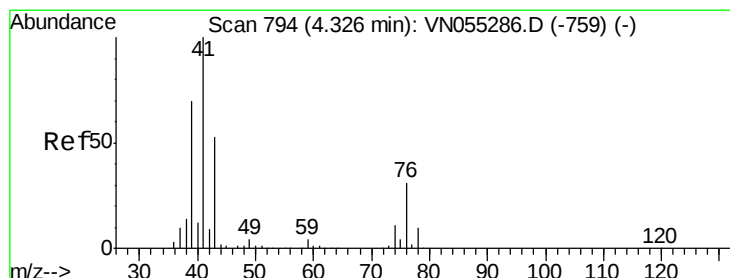
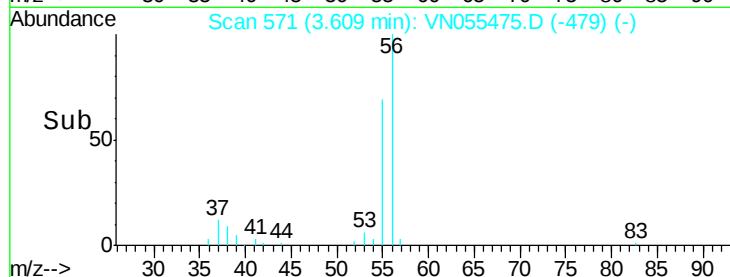
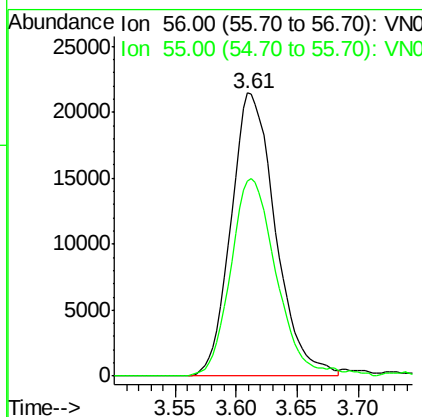
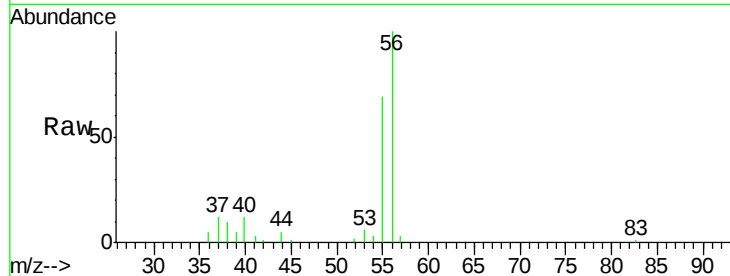
#13
Acrolein
Concen: 274.744 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	54319
Ion Ratio	100	Lower	Upper
55	71.9	57.4	86.2

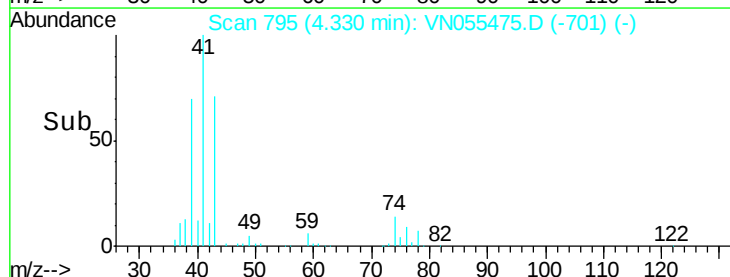
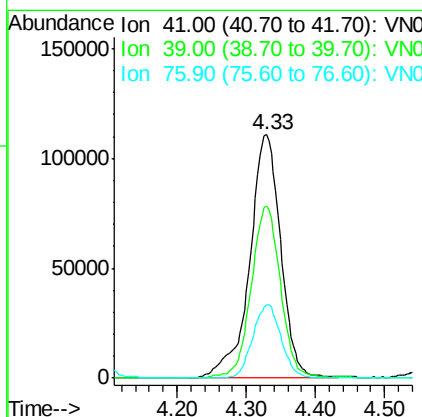
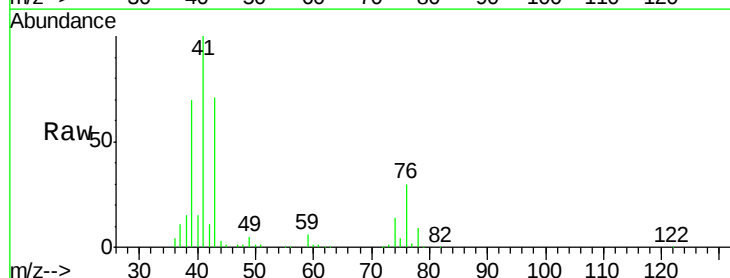
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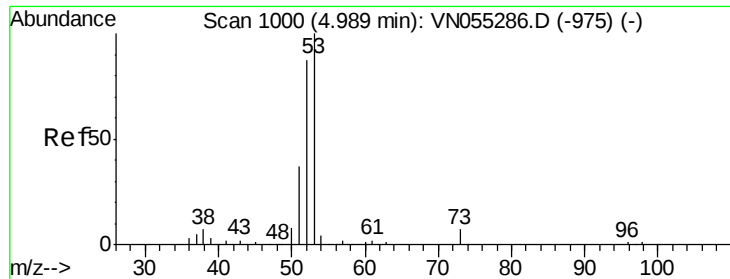
MMDadoda
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#14
Allyl chloride
Concen: 49.890 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion	41	Resp	344991
Ion Ratio	100	Lower	Upper
39	66.7	53.0	79.6
76	27.6	22.7	34.1





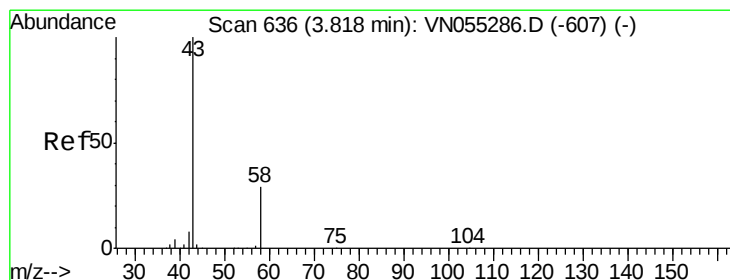
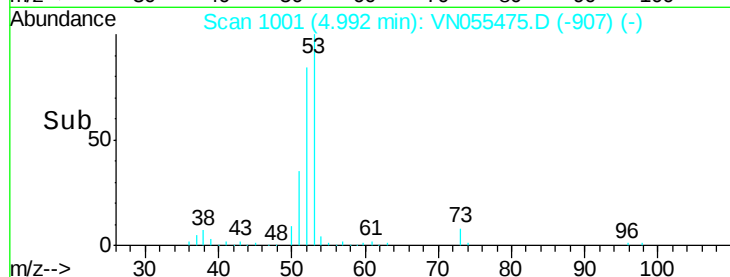
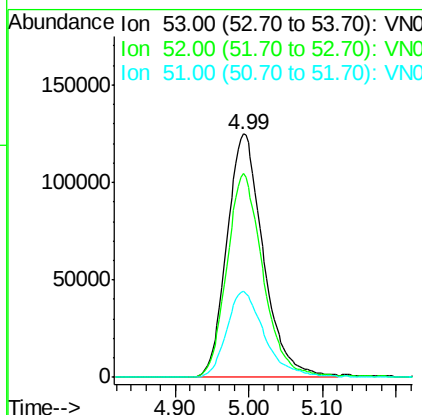
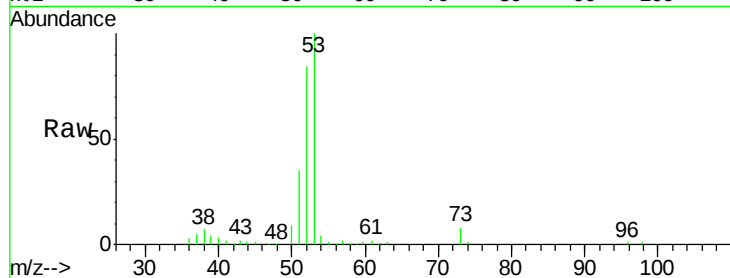
#15
 Acrylonitrile
 Concen: 302.513 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.5	99.7
51	36.7	29.6	44.4

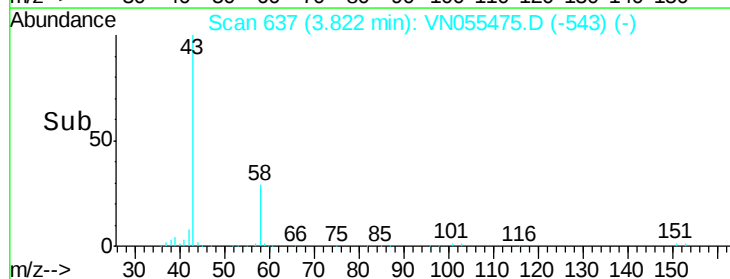
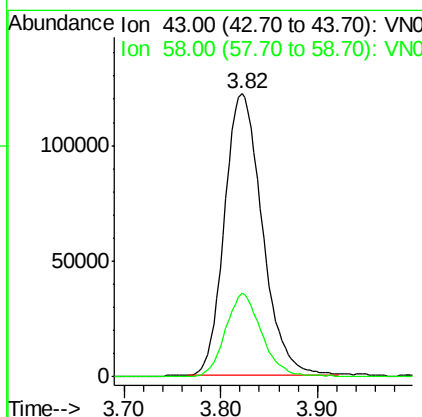
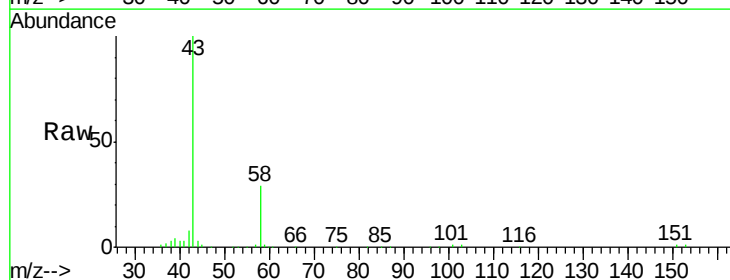
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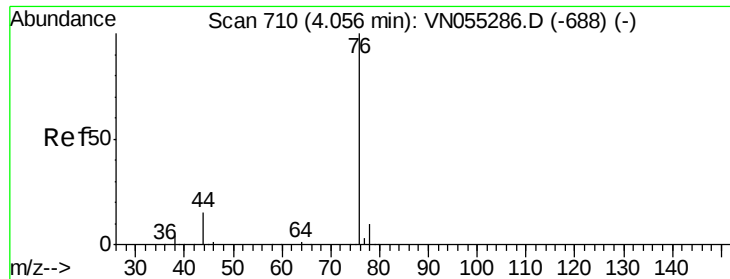
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#16
 Acetone
 Concen: 238.961 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.6	35.4





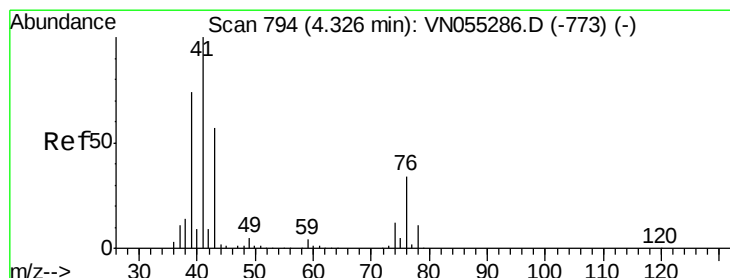
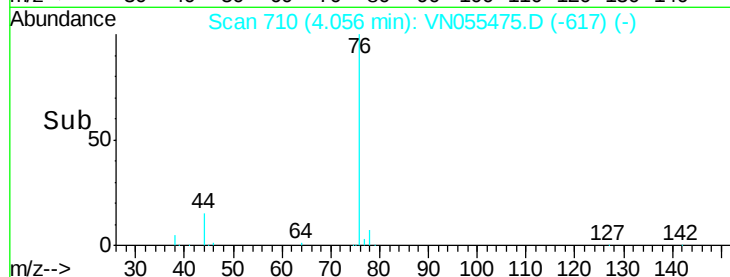
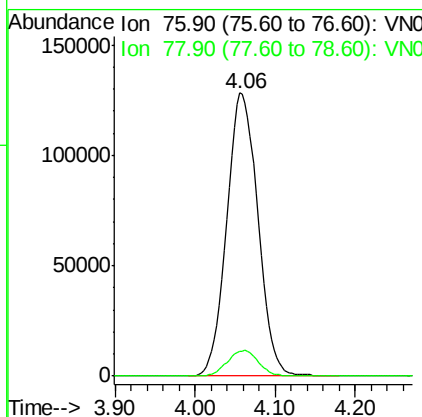
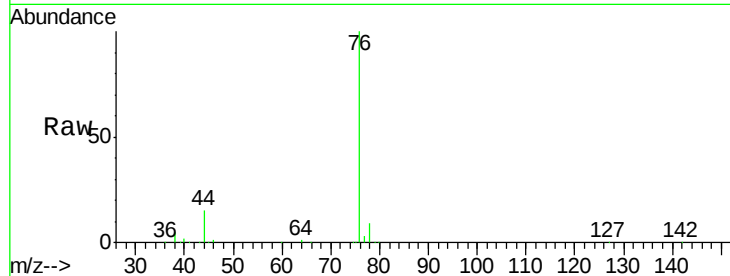
#17
Carbon Disulfide
Concen: 38.969 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.6	11.4

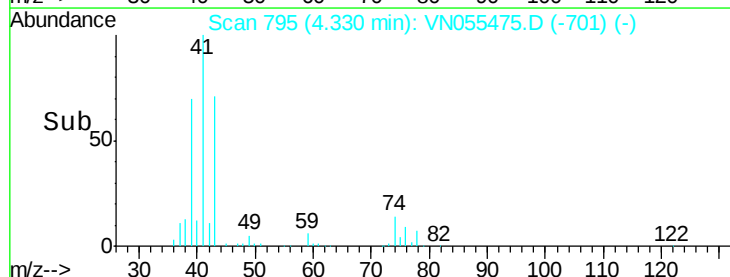
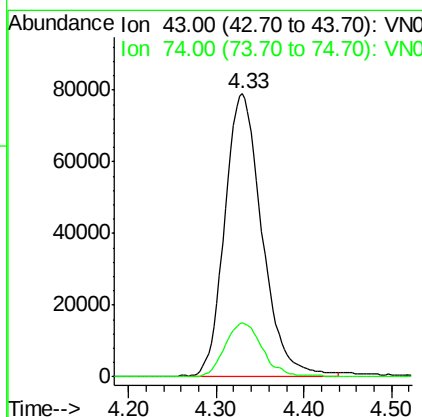
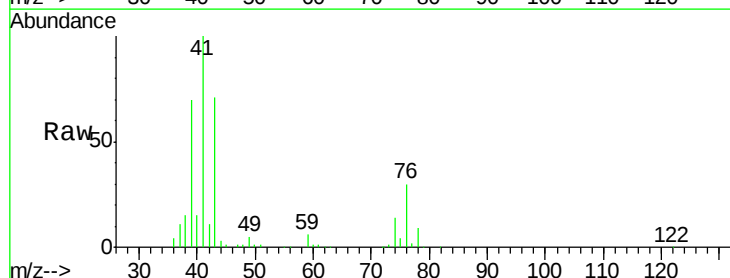
Manual Integrations
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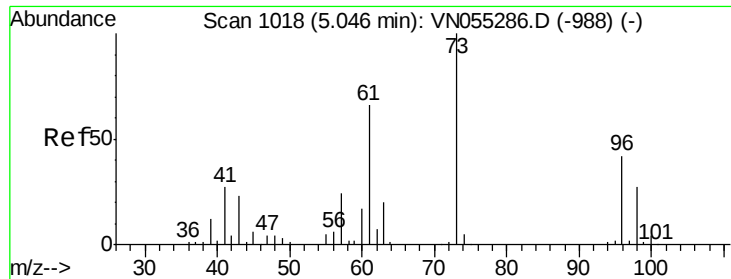
MMDadoda
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#18
Methyl Acetate
Concen: 69.319 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.3	15.8	23.8





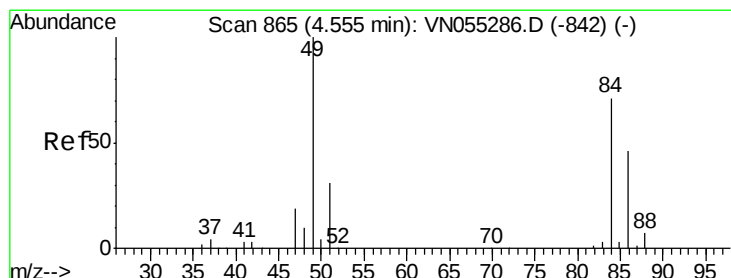
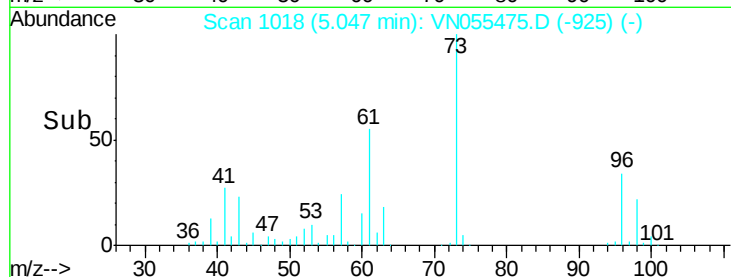
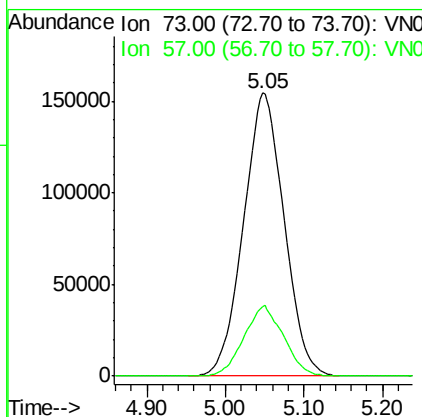
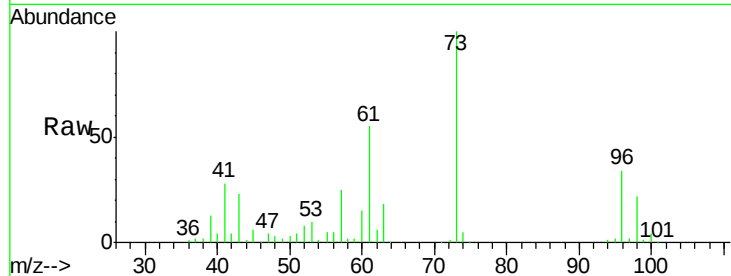
#19
Methvl tert-butvl Ether
Concen: 59.861 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 561878
Ion Ratio Lower Upper
73 100
57 24.7 19.1 28.7

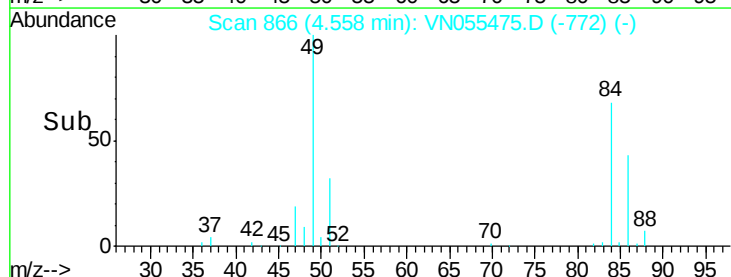
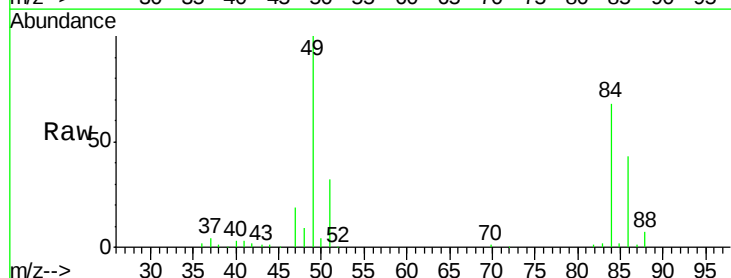
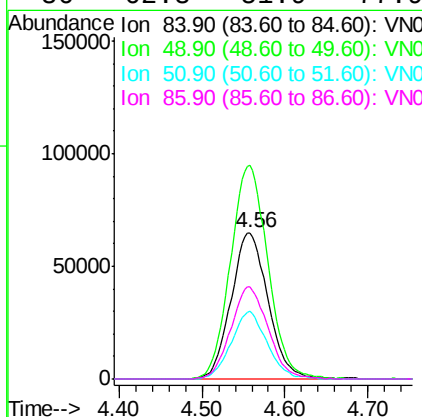
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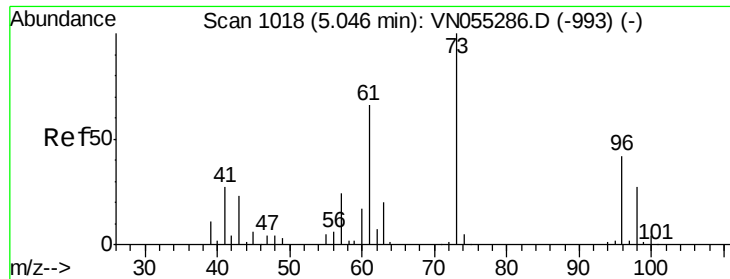
MMDadoda
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#20
Methylene Chloride
Concen: 47.785 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion: 84 Resp: 200957
Ion Ratio Lower Upper
84 100
49 146.0 112.4 168.6
51 46.1 34.6 51.8
86 62.8 51.9 77.9





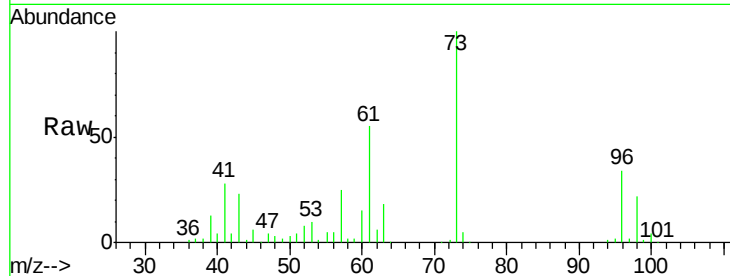
#21
trans-1,2-Dichloroethene
Concen: 47.733 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.4	126.2	189.4
98	63.8	52.2	78.2

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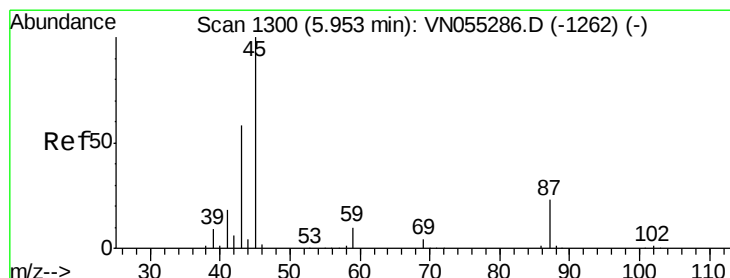
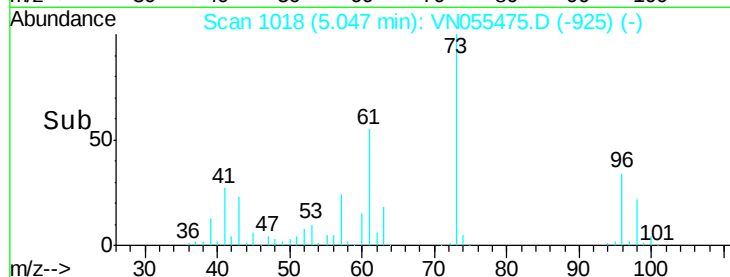
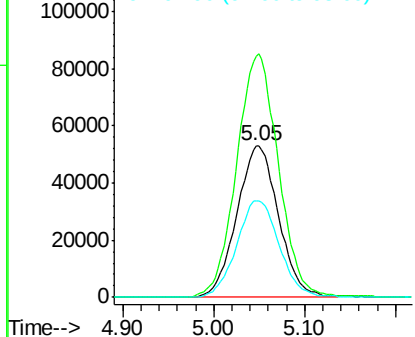


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 58.133 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.7	46.6	70.0
87	22.3	18.1	27.1
59	10.3	8.2	12.2

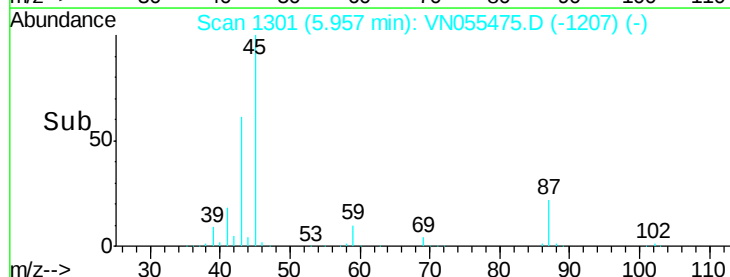
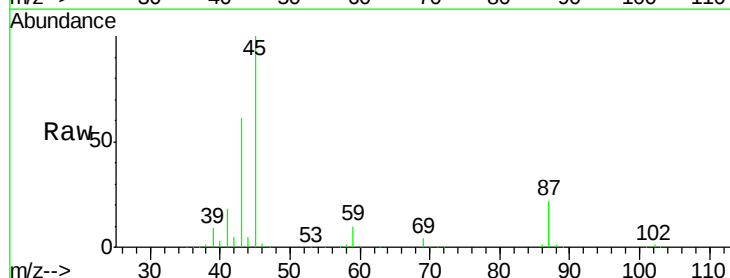
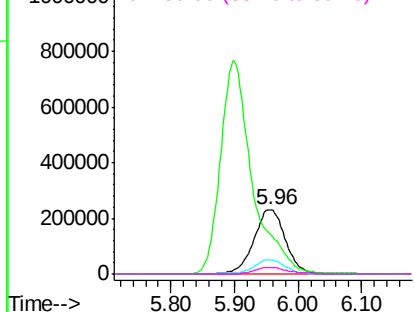
Abundance

Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





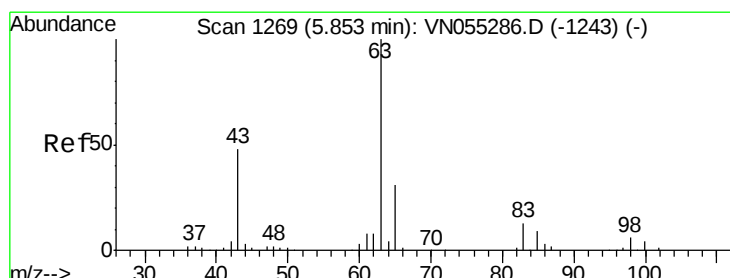
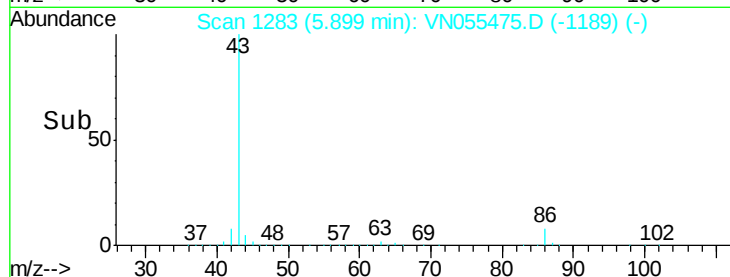
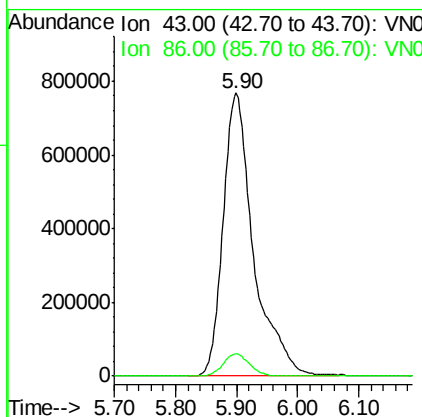
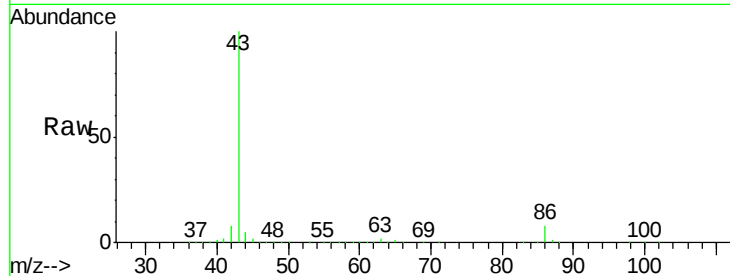
#23
 Vinyl Acetate
 Concen: 295.666 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2662453
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.6 10.0

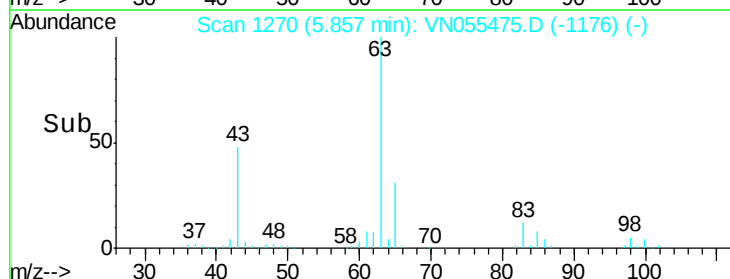
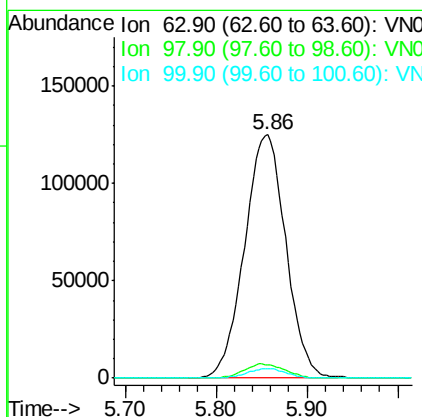
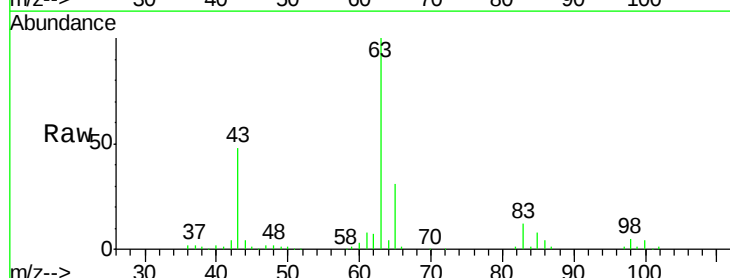
Manual Integrations
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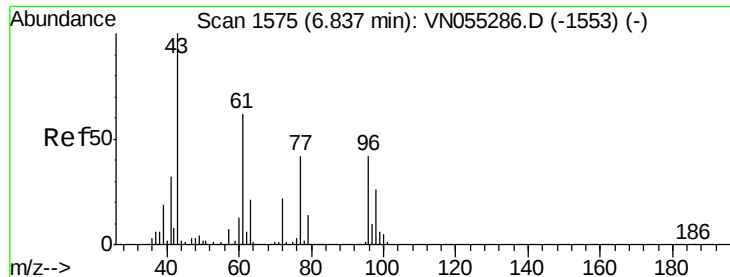
MMDadoda
 5/8/2019 10:16:57 AM



#24
 1,1-Dichloroethane
 Concen: 53.812 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion: 63 Resp: 393936
 Ion Ratio Lower Upper
 63 100
 98 5.4 3.0 9.0
 100 4.0 1.8 5.4





#25

2-Butanone

Concen: 292.878 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 516048

Ion Ratio Lower Upper

43 100

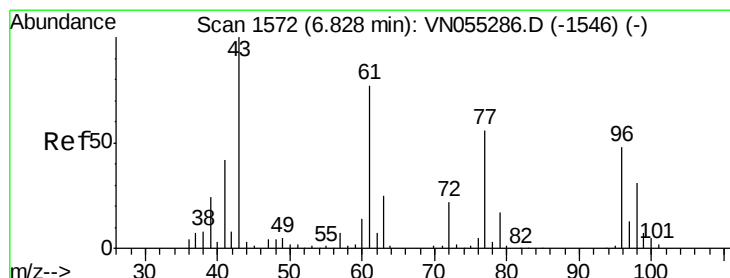
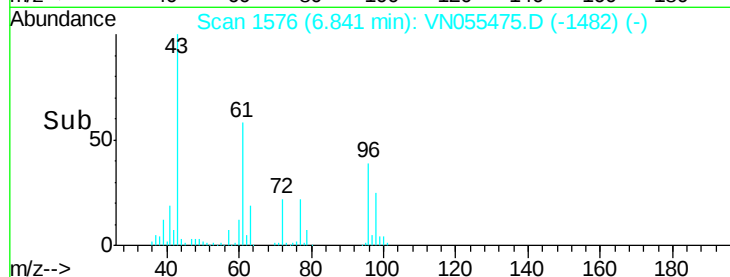
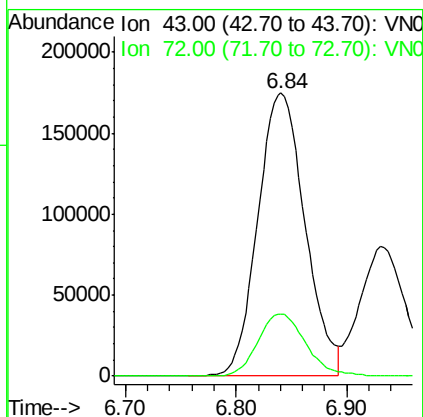
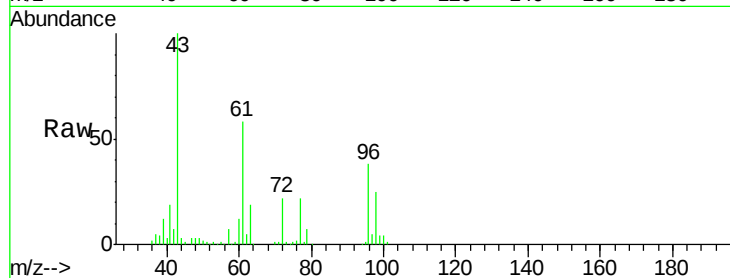
72 22.2 18.0 27.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 29.769 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055475.D

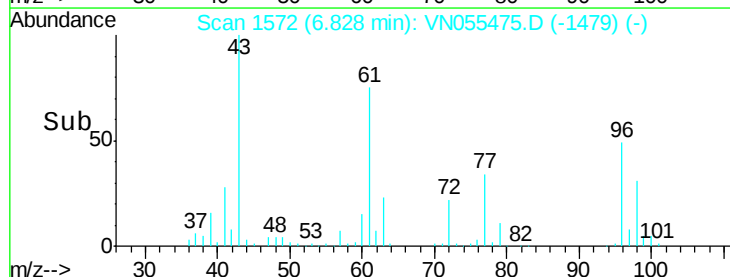
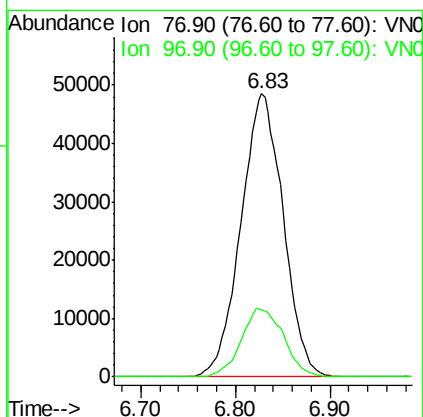
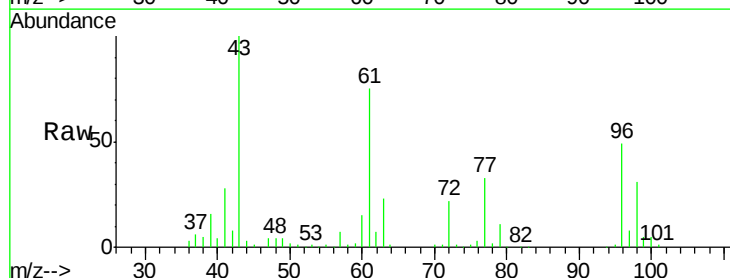
Acq: 8 May 2019 7:51

Tgt Ion: 77 Resp: 150489

Ion Ratio Lower Upper

77 100

97 24.1 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 52.431 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

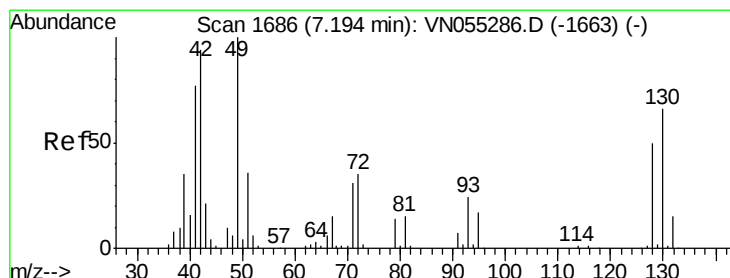
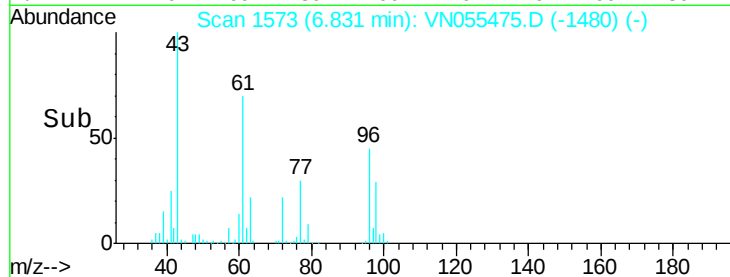
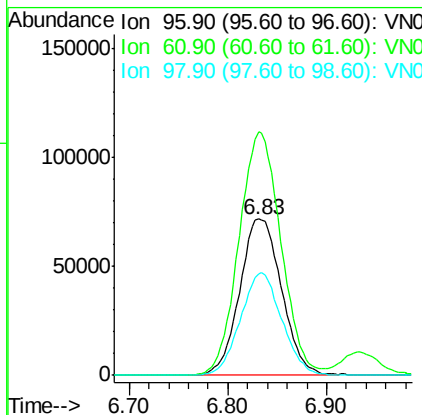
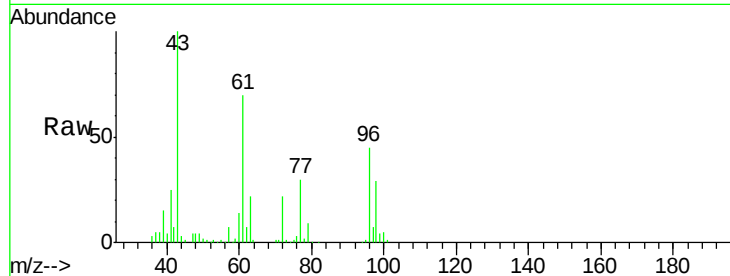
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	210837
Ion Ratio	Lower	Upper	
96	100		
61	155.9	0.0	316.2
98	64.7	0.0	126.6

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#28

Bromochloromethane

Concen: 51.517 ug/l

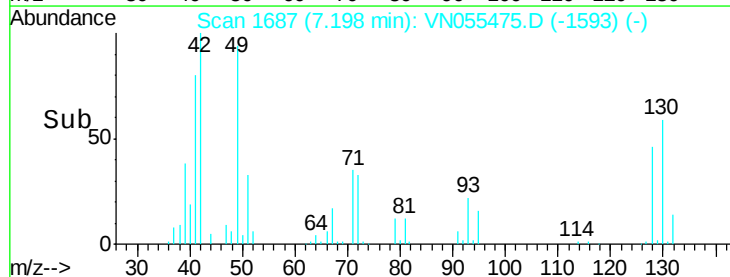
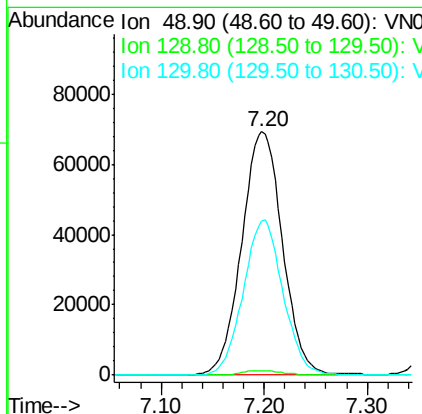
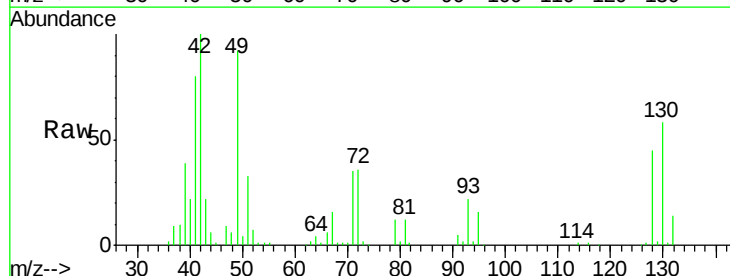
RT: 7.20 min Scan# 1687

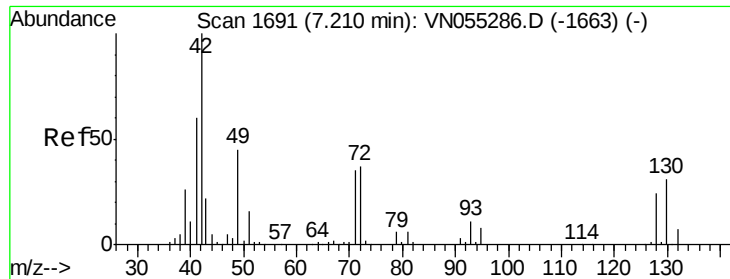
Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Tgt Ion:	49	Resp:	190102
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	2.4
130	62.0	52.0	78.0





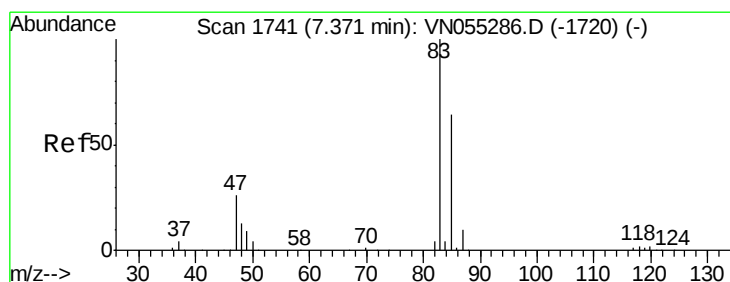
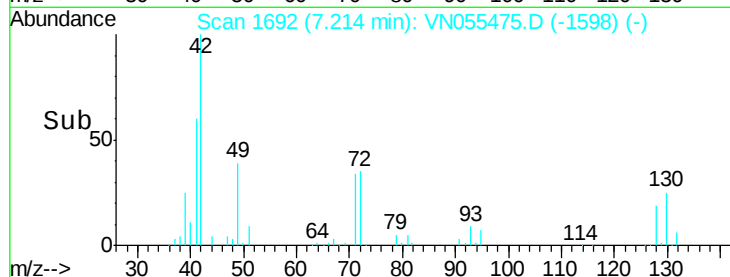
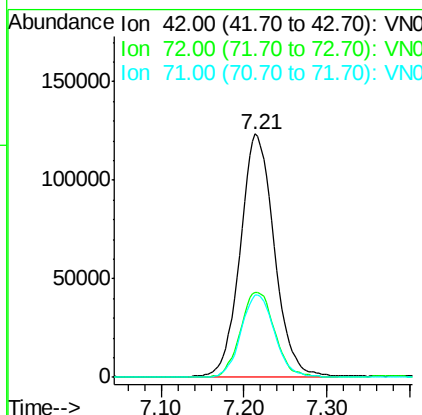
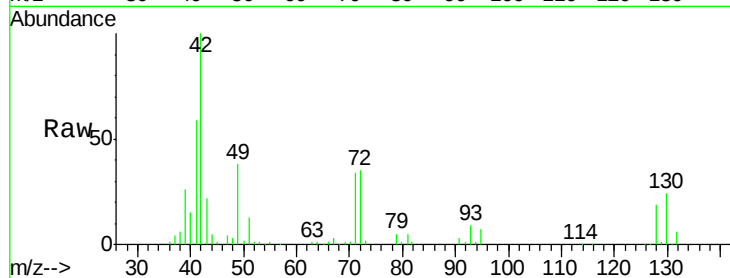
#29
Tetrahydrofuran
Concen: 310.478 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.7	29.0	43.6
71	33.5	27.1	40.7

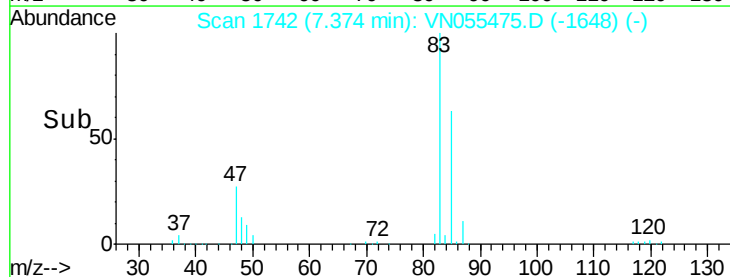
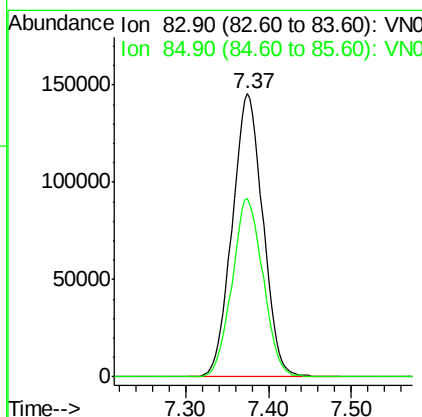
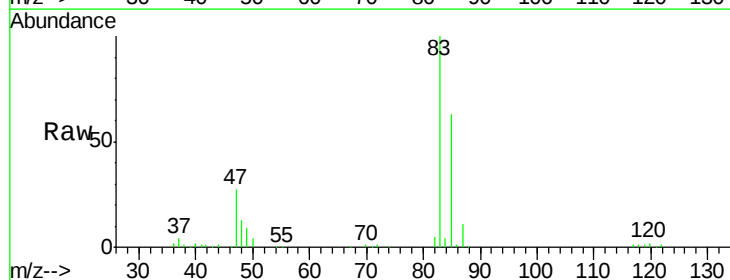
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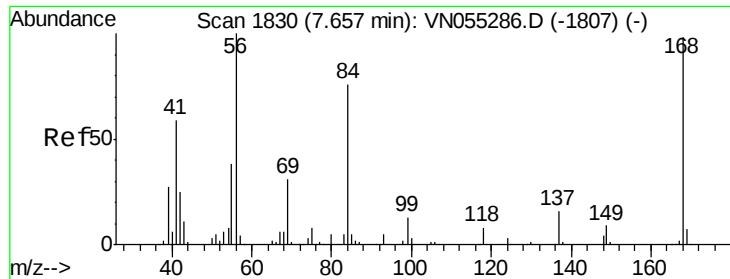
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#30
Chloroform
Concen: 54.070 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.4	77.2





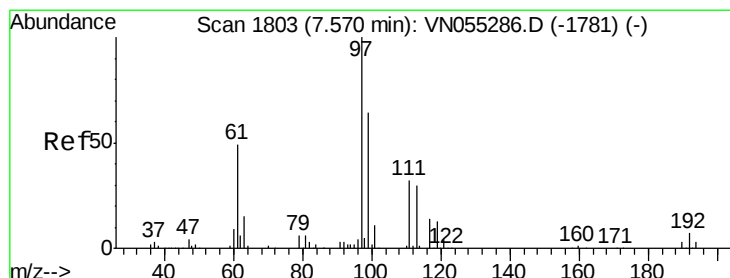
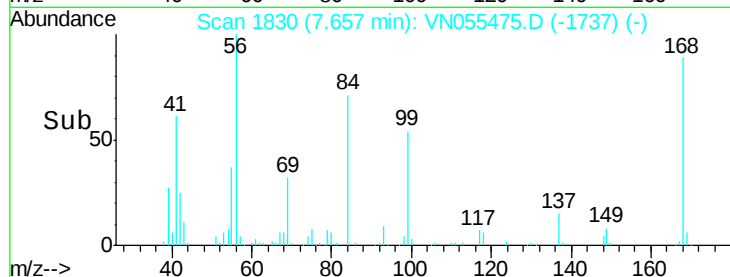
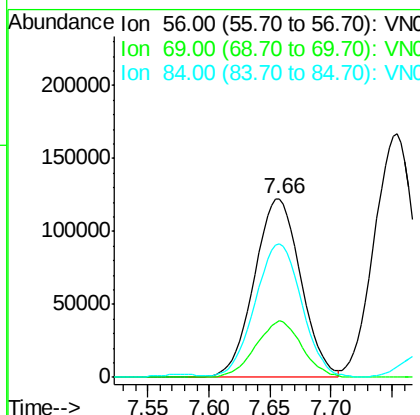
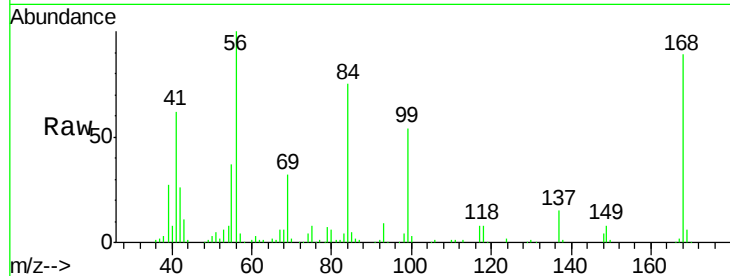
#31
Cyclohexane
Concen: 46.697 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.2	37.8
84	73.1	61.1	91.7

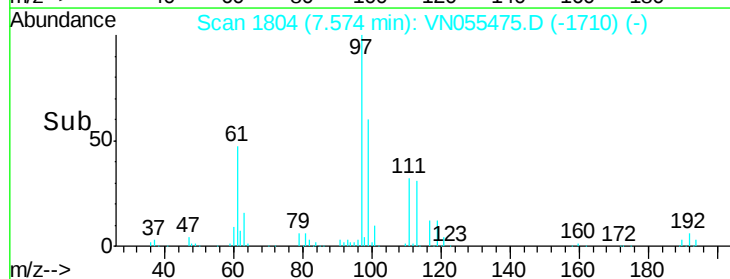
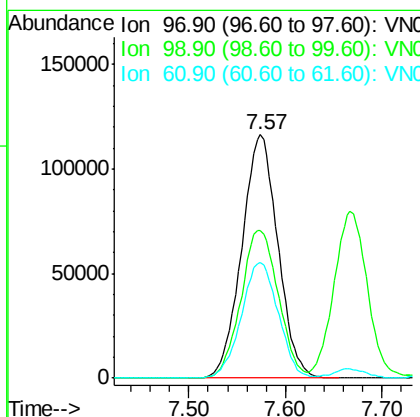
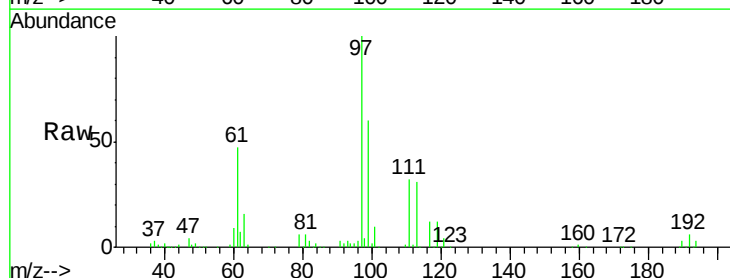
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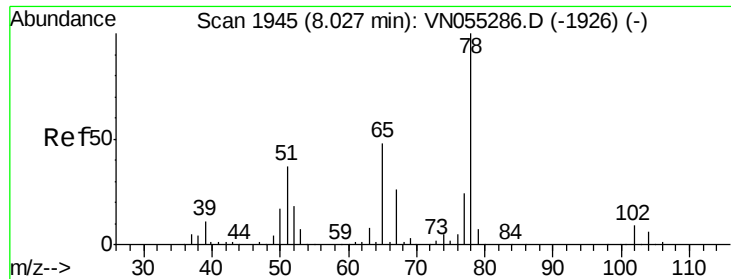
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#32
1,1,1-Trichloroethane
Concen: 53.653 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.8	77.8
61	48.6	39.0	58.6





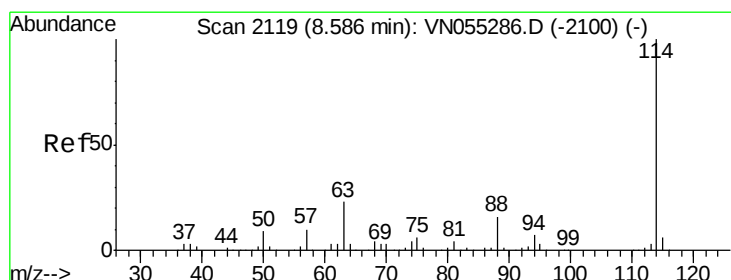
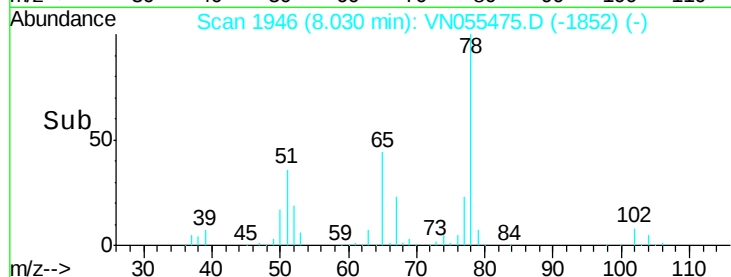
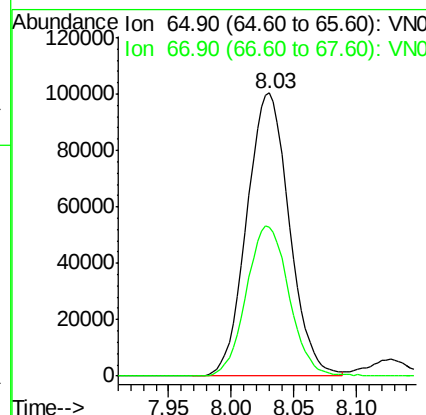
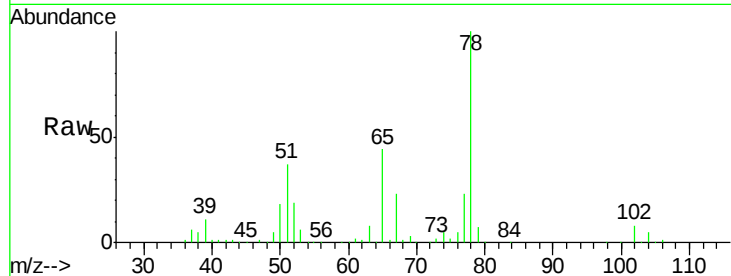
#33
 1,2-Dichloroethane-d4
 Concen: 53.559 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	236825		
67	53.3	0.0	106.8	

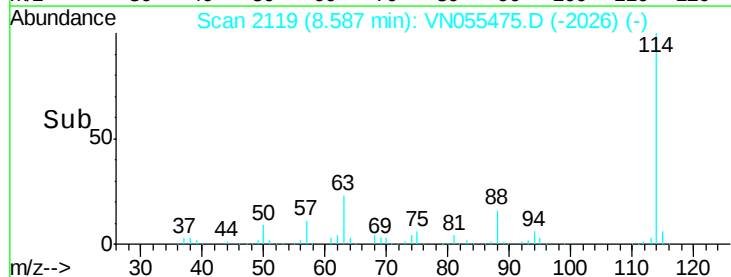
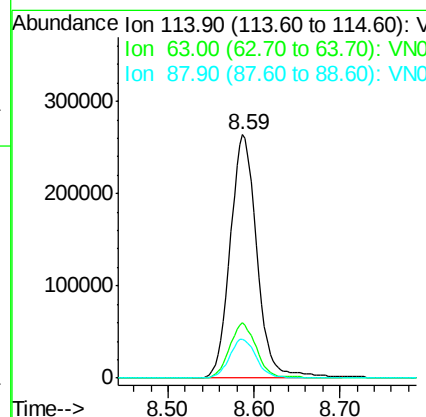
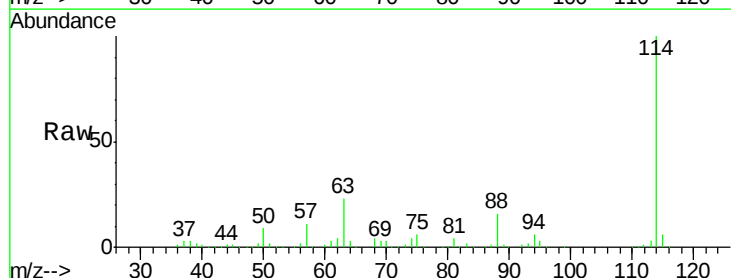
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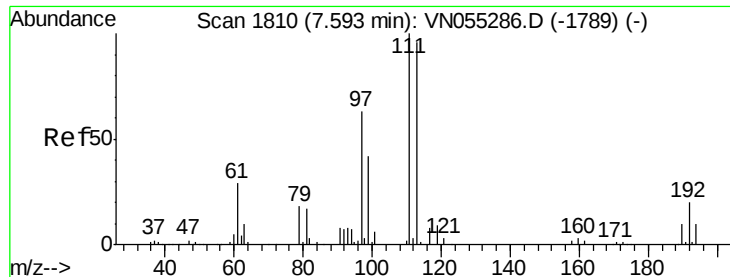
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	570355		
63	22.5	0.0	45.2	
88	16.0	0.0	31.6	





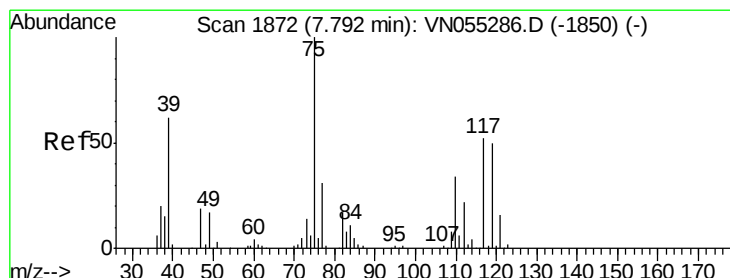
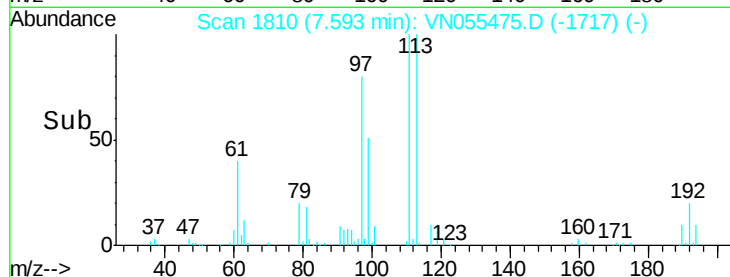
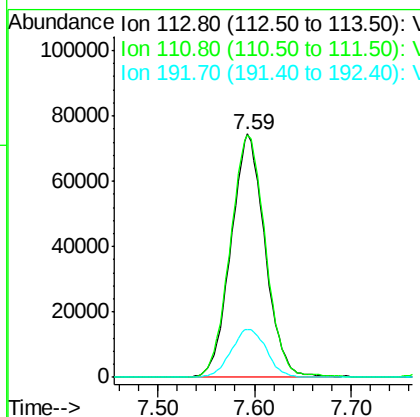
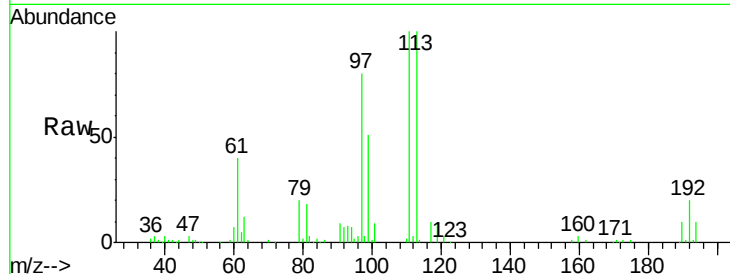
#35
Dibromofluoromethane
Concen: 48.640 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	182089		
111	103.3	82.3	123.5	
192	20.5	17.0	25.6	

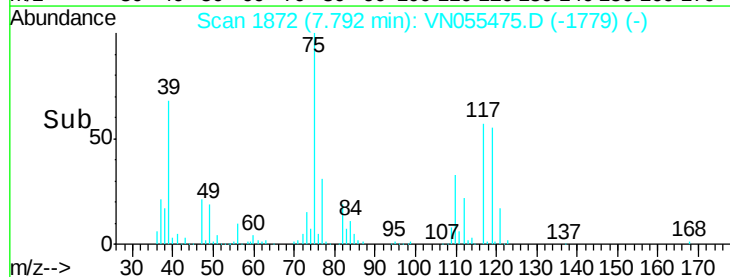
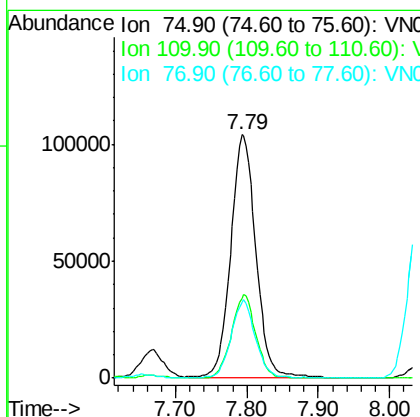
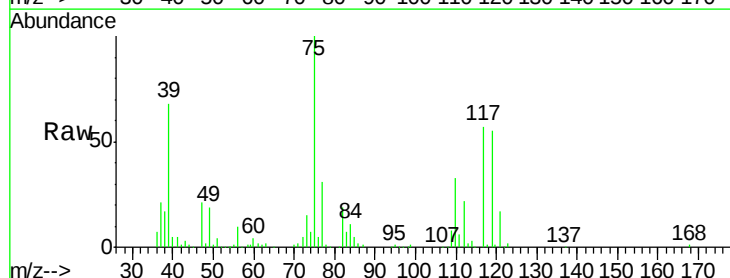
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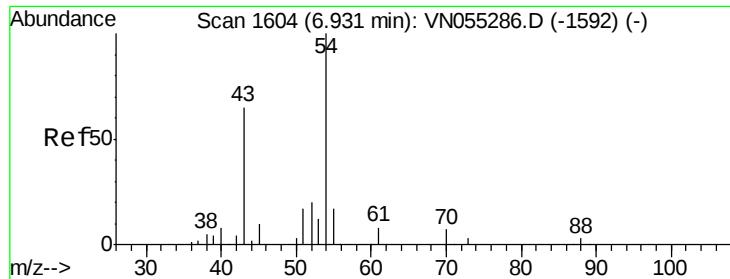
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#36
1,1-Dichloropropene
Concen: 46.636 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	254780		
110	33.2	16.8	50.4	
77	31.2	25.0	37.6	





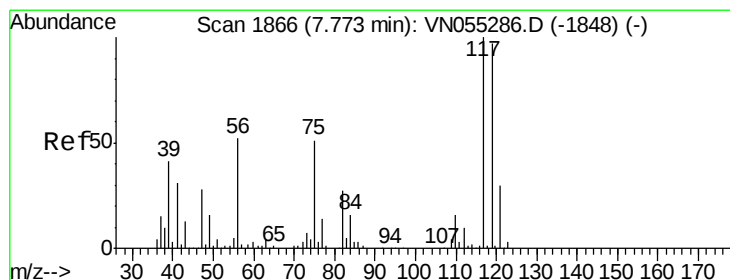
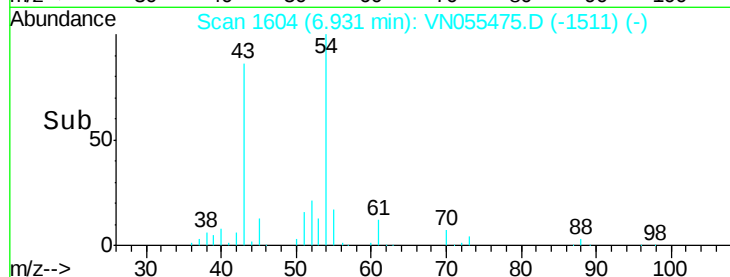
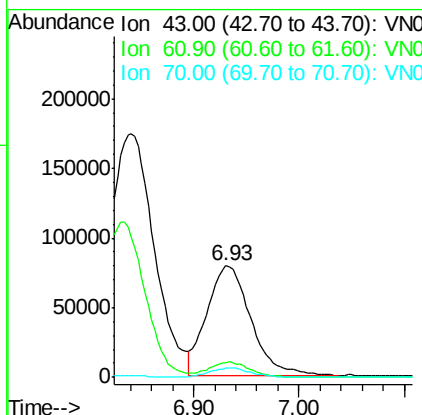
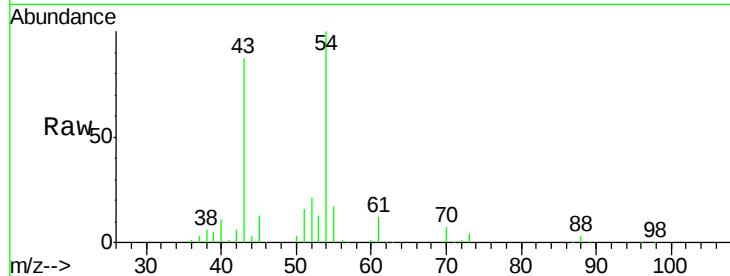
#37
Ethyl Acetate
Concen: 54.787 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.4	15.6
70	8.3	6.6	10.0

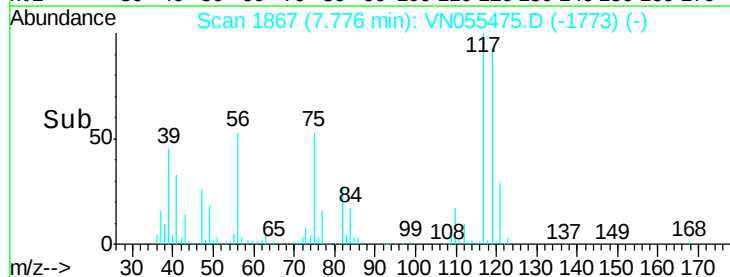
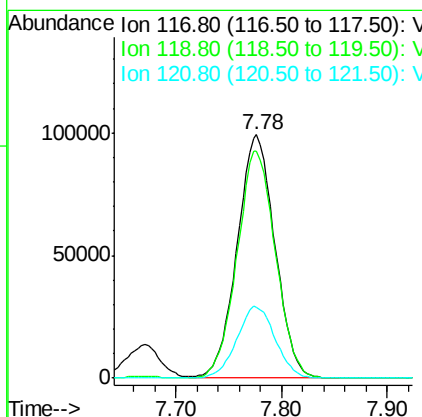
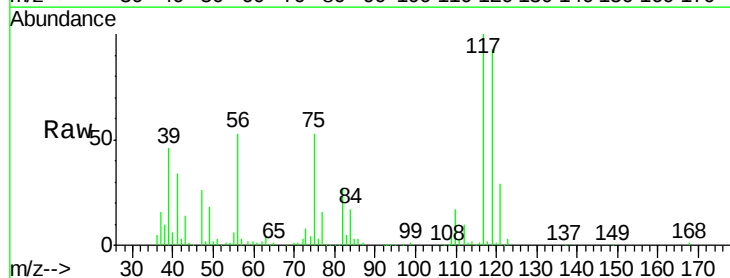
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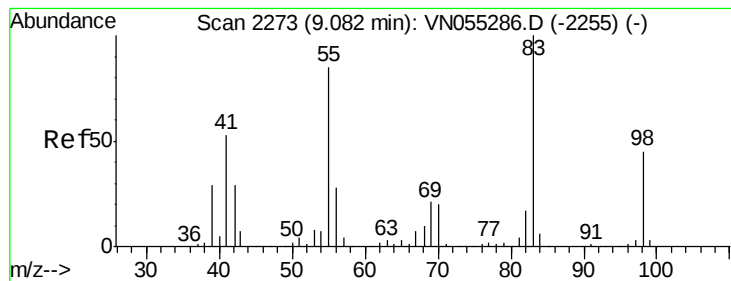
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#38
Carbon Tetrachloride
Concen: 46.740 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.0	115.6
121	29.2	23.8	35.8





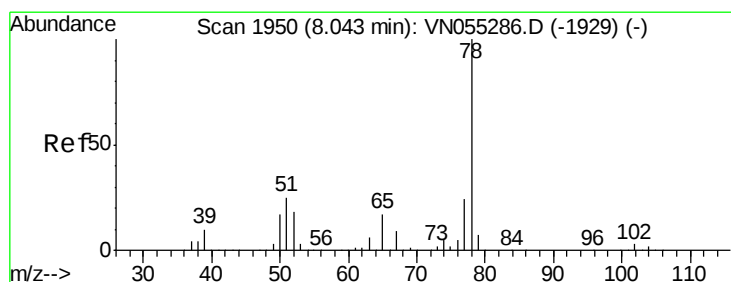
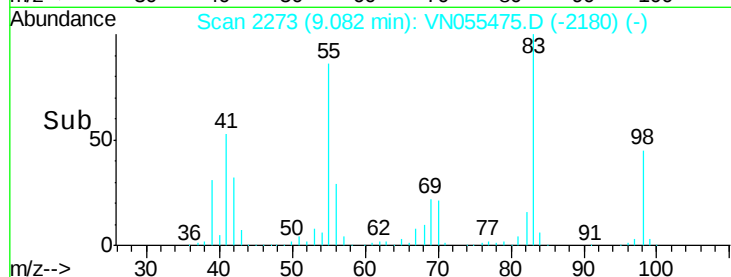
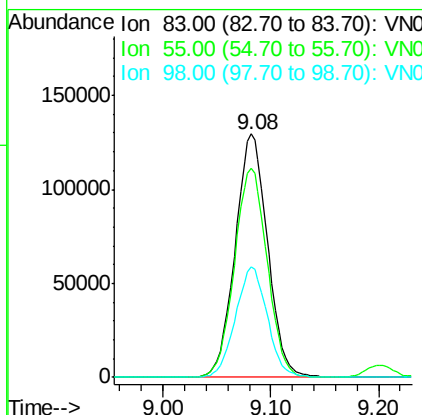
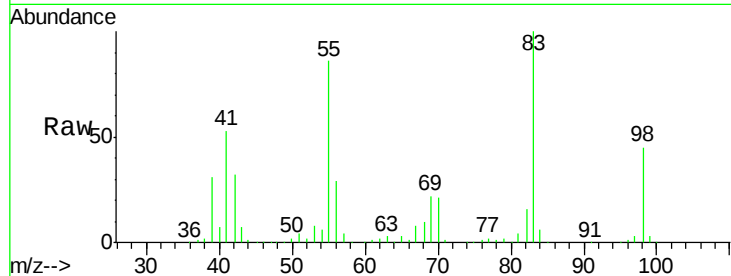
#39
Methvlcvclohexane
Concen: 46.572 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.9	67.8	101.6
98	45.2	36.2	54.4

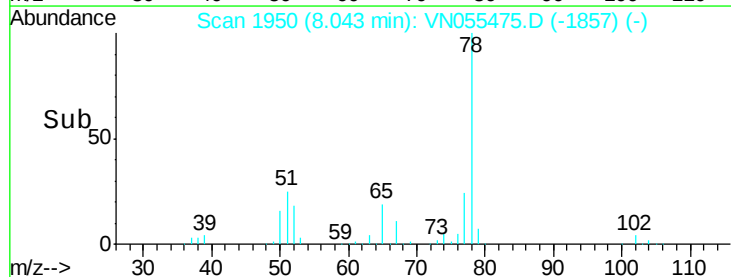
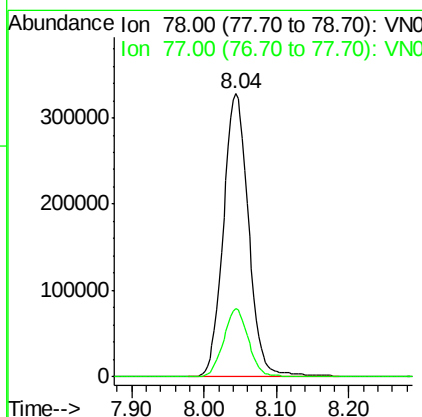
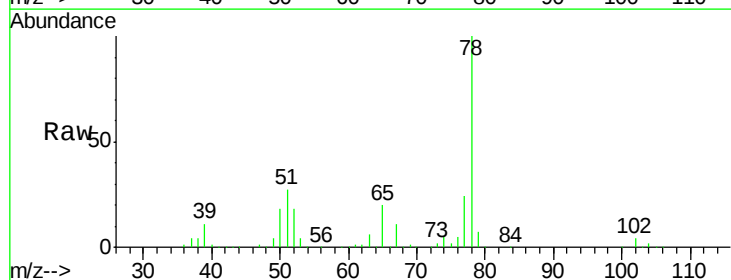
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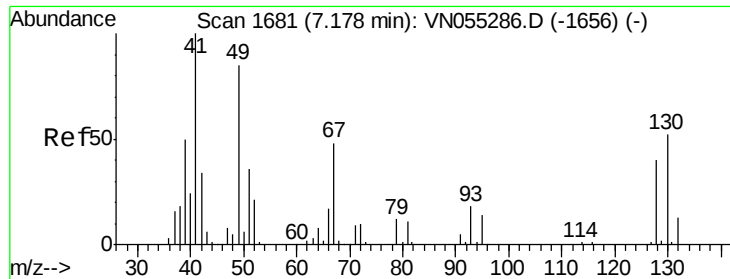
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#40
Benzene
Concen: 49.375 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





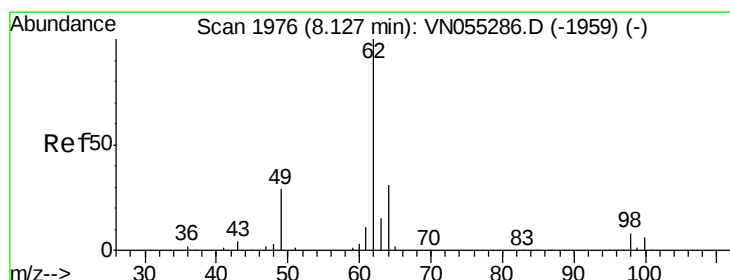
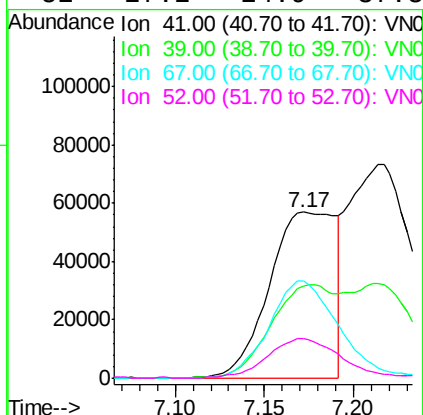
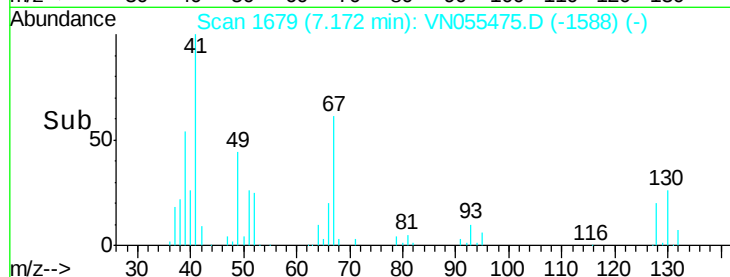
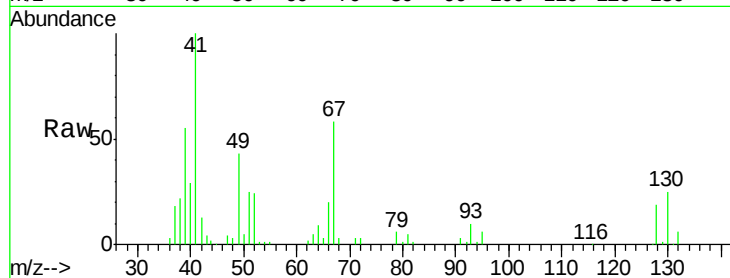
#41
Methacrylonitrile
Concen: 64.648 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	48.5	72.7	
67	62.5	54.9	82.3	
52	27.2	24.9	37.3	

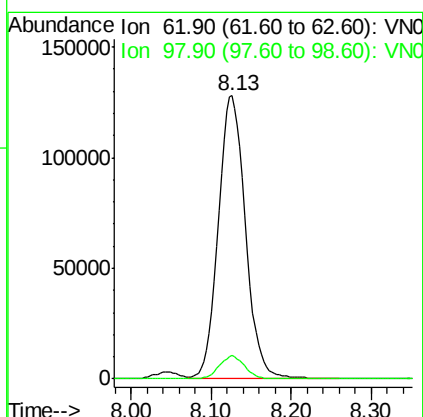
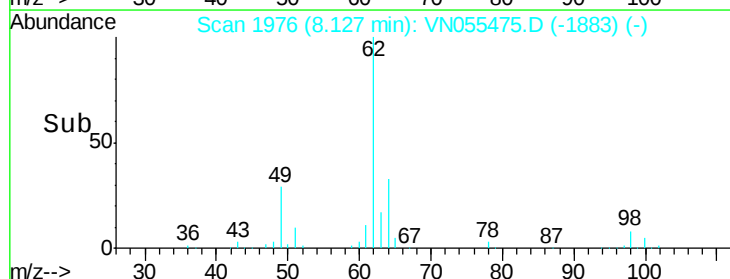
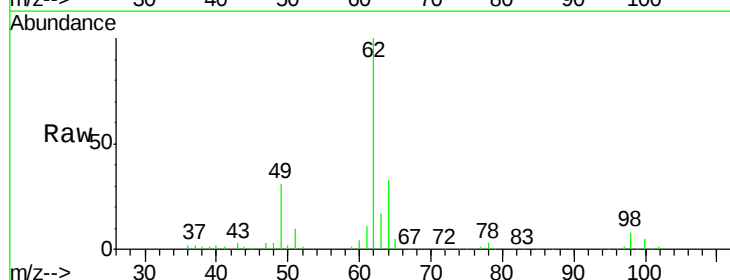
Manual Integrations
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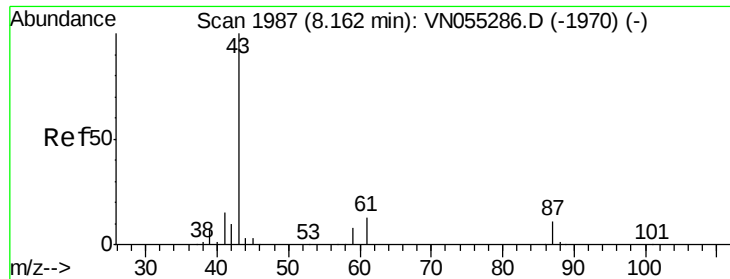
MMDadoda
5/8/2019 10:16:57 AM



#42
1,2-Dichloroethane
Concen: 52.701 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.7	0.0	16.4	





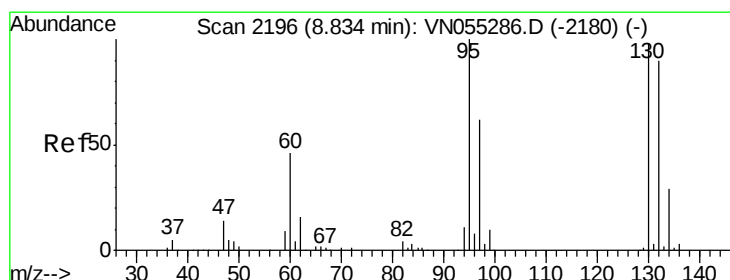
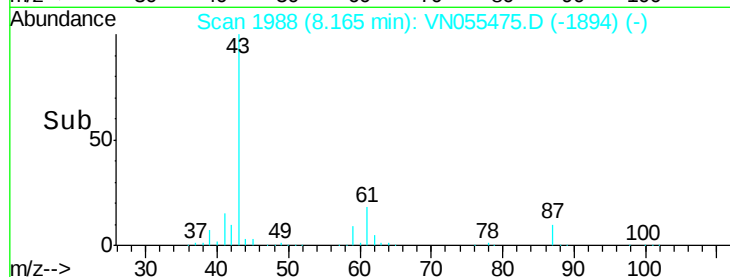
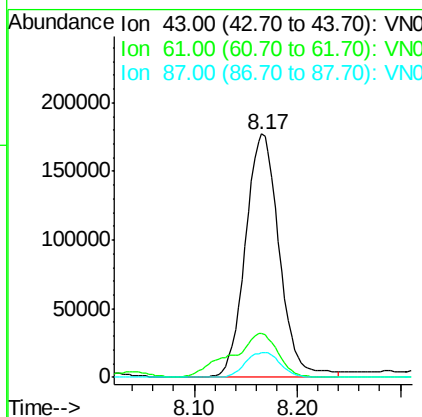
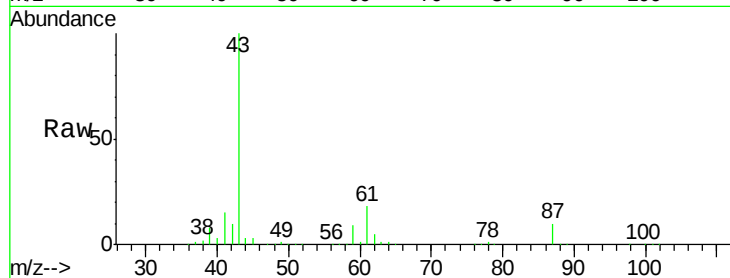
#43
Isopropyl Acetate
Concen: 59.668 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.8	20.8	31.2
87	10.6	8.5	12.7

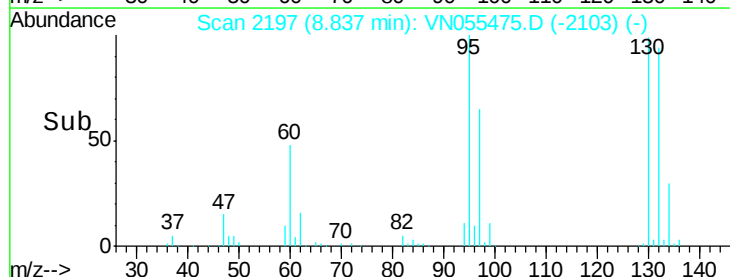
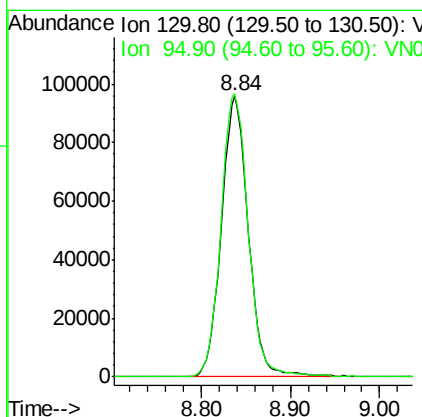
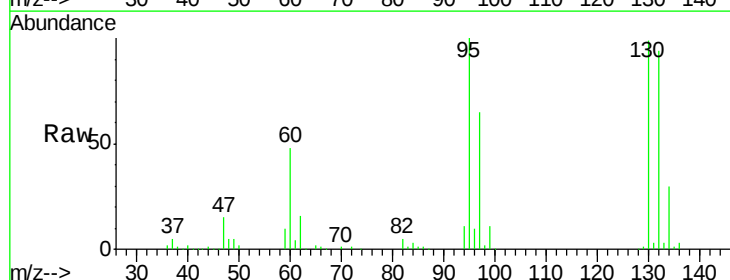
Manual Integrations
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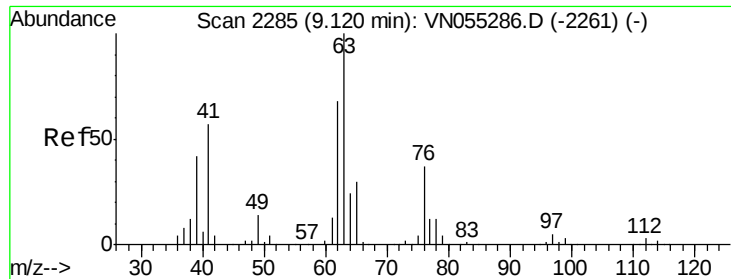
MMDadoda
5/8/2019 10:16:57 AM



#44
Trichloroethene
Concen: 48.655 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	203.4





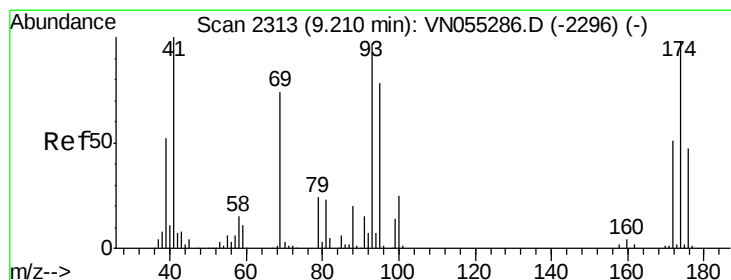
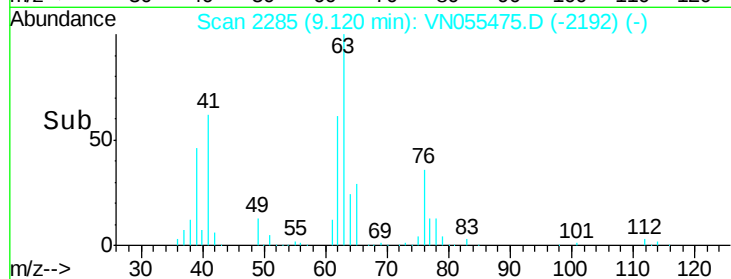
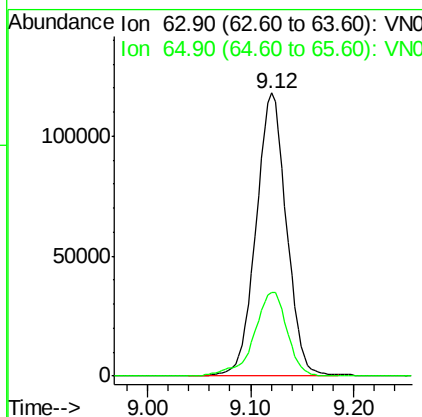
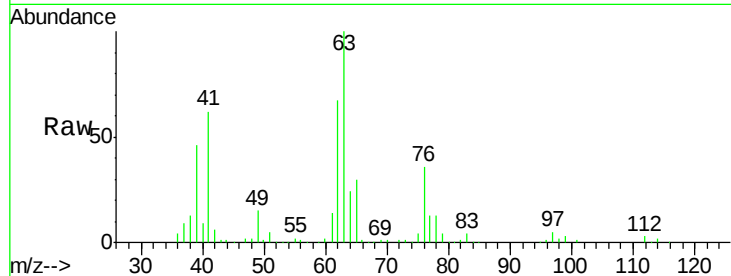
#45
 1,2-Dichloropropane
 Concen: 51.903 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 241085
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.9 35.9

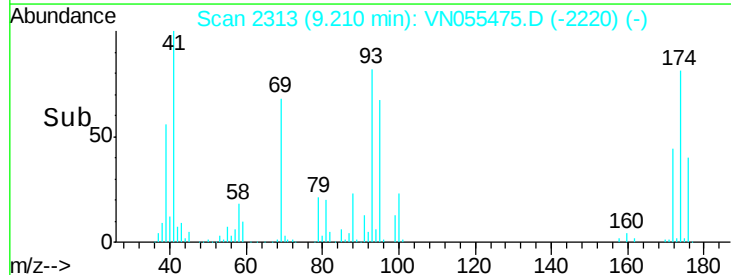
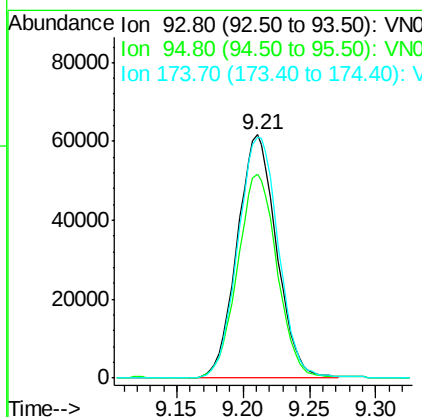
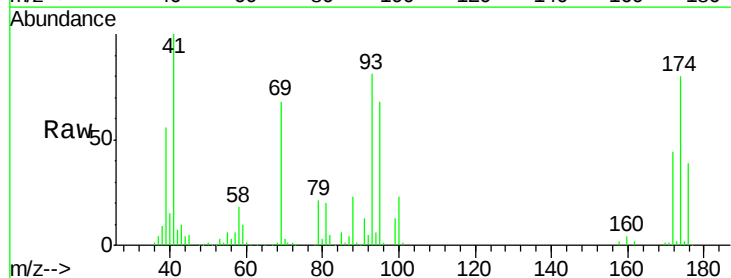
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 5/8/2019 10:16:57 AM



#46
 Dibromomethane
 Concen: 50.093 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion: 93 Resp: 127183
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.7 98.5
 174 102.1 81.5 122.3





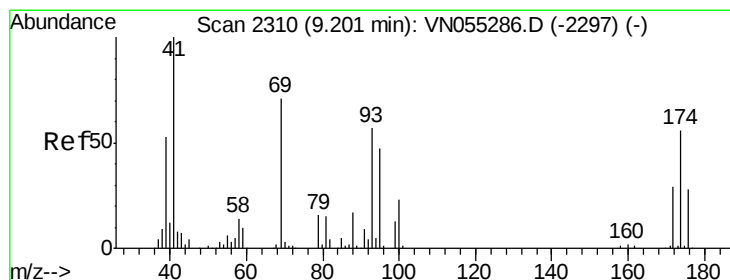
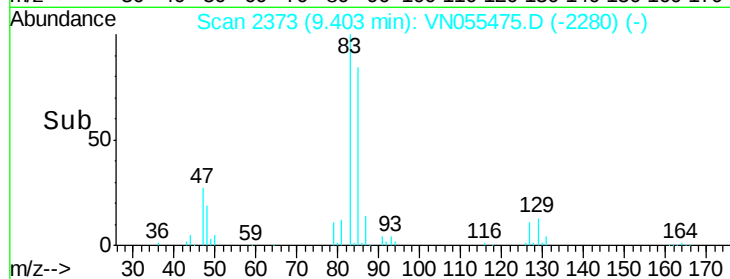
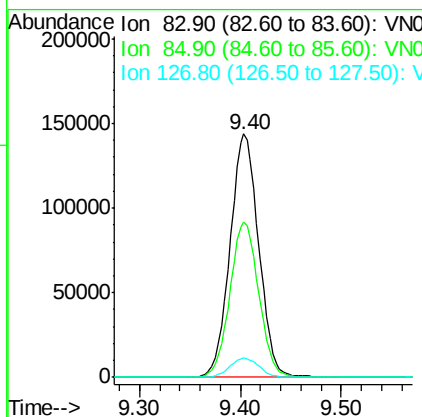
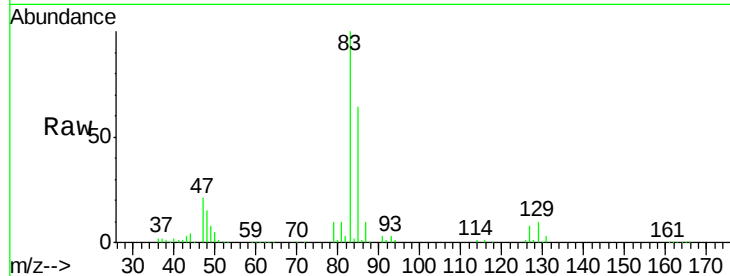
#47
Bromodichloromethane
Concen: 52.138 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	283983		
85	63.7	50.1	75.1	
127	7.9	6.7	10.1	

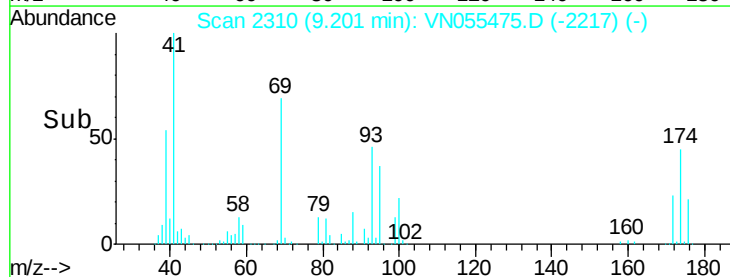
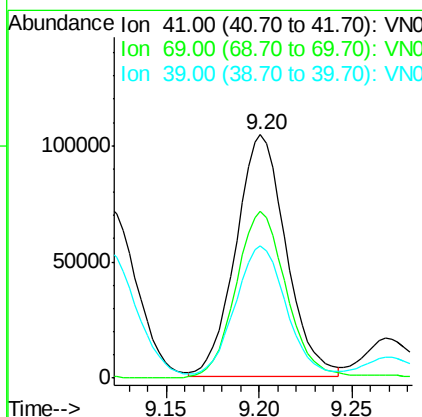
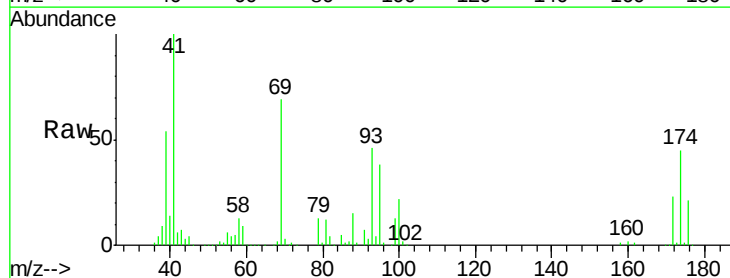
Manual Integrations
APPROVED

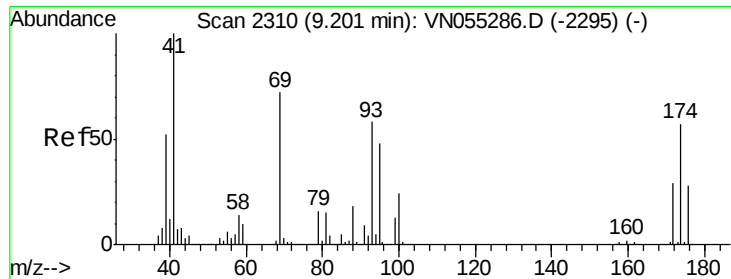
MMDadoda
5/8/2019 10:16:57 AM



#48
Methyl methacrylate
Concen: 59.578 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	197078		
69	69.2	58.6	87.8	
39	55.4	43.8	65.6	





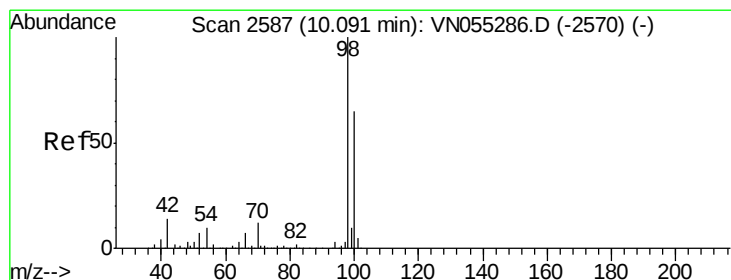
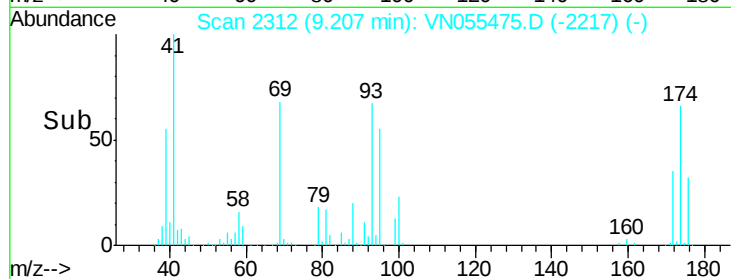
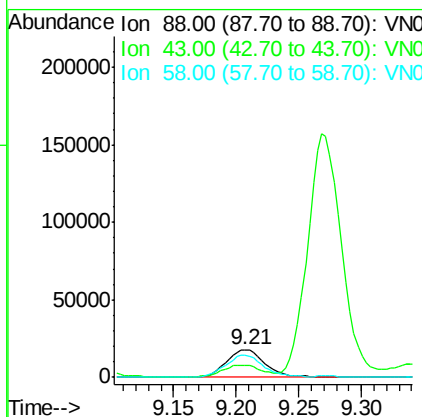
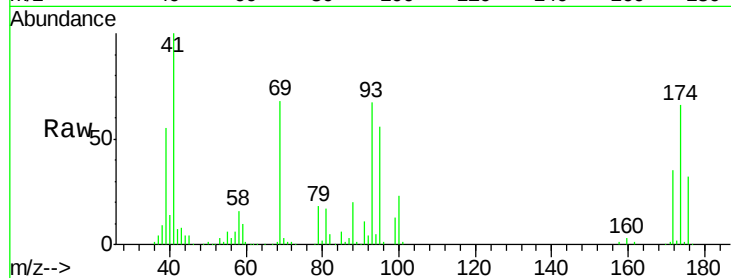
#49
1,4-Dioxane
Concen: 1131.753 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	38700
Ion Ratio	Lower	Upper	
88	100		
43	41.6	33.3	49.9
58	79.4	62.7	94.1

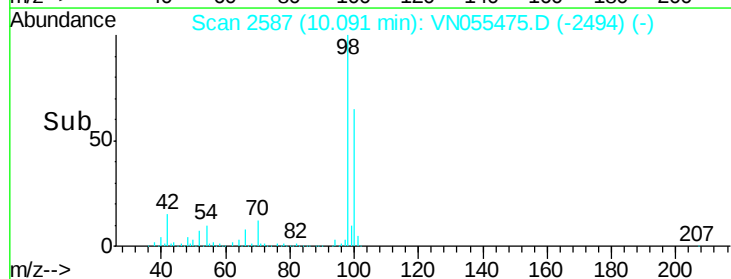
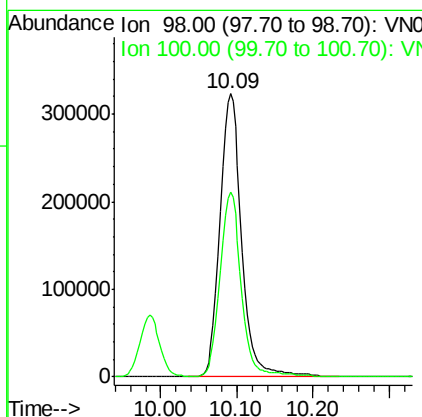
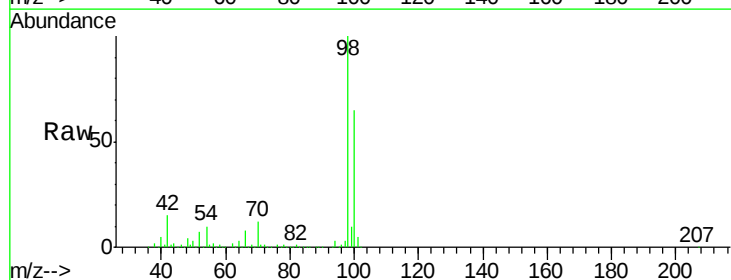
Manual Integrations
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#50
Toluene-d8
Concen: 47.525 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion	98	Resp	642430
Ion Ratio	Lower	Upper	
98	100		
100	64.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 300.845 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1139727

Ion Ratio Lower Upper

43 100

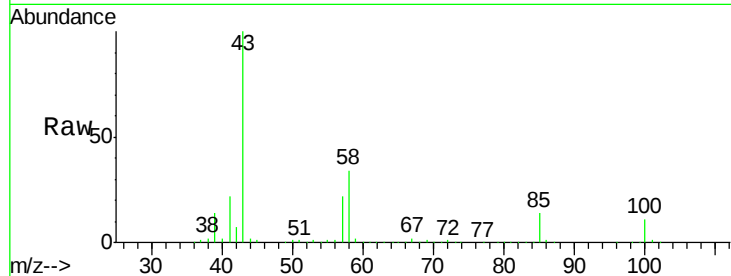
58 34.3 28.5 42.7

Manual Integrations

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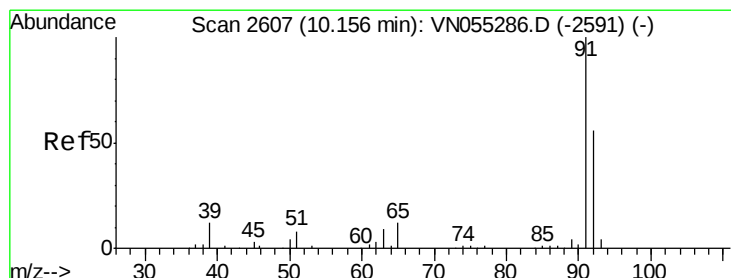
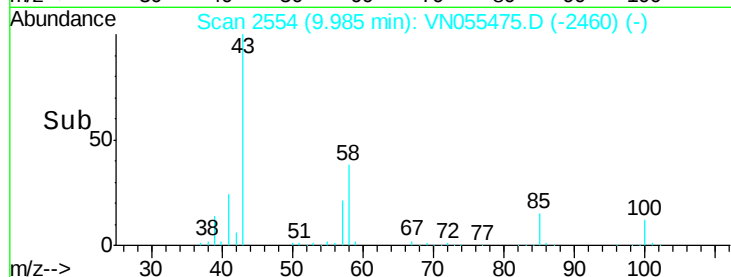
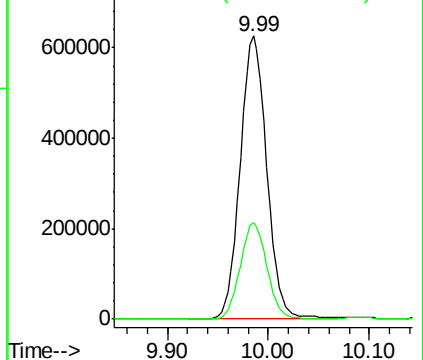
MMDadoda

5/8/2019 10:16:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.215 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055475.D

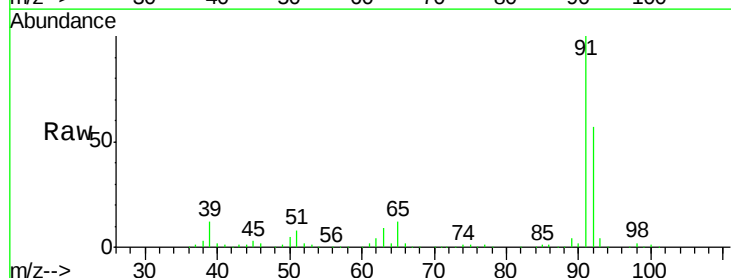
Acq: 8 May 2019 7:51

Tgt Ion: 92 Resp: 454773

Ion Ratio Lower Upper

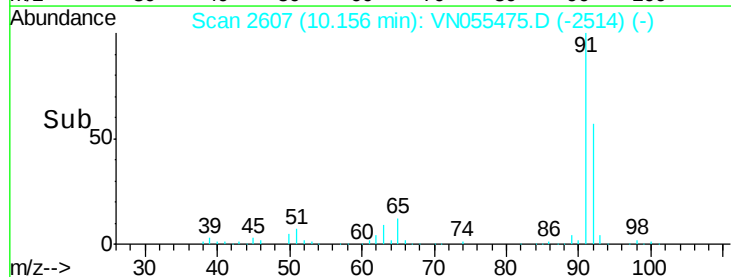
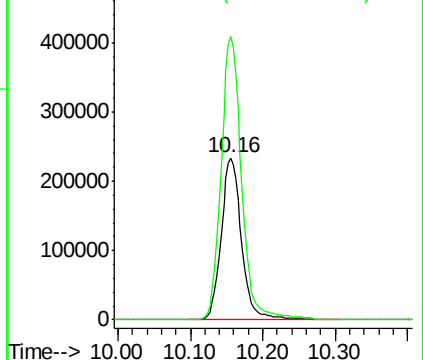
92 100

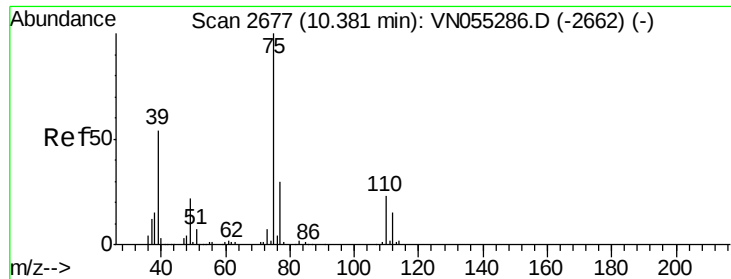
91 175.3 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





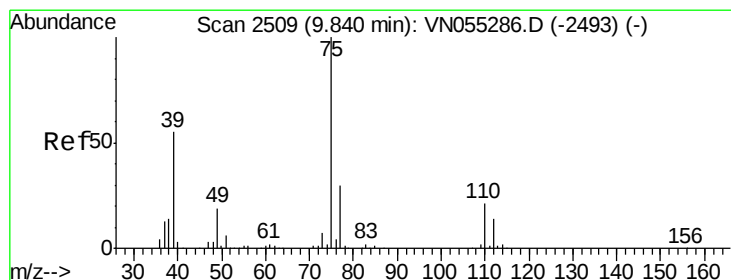
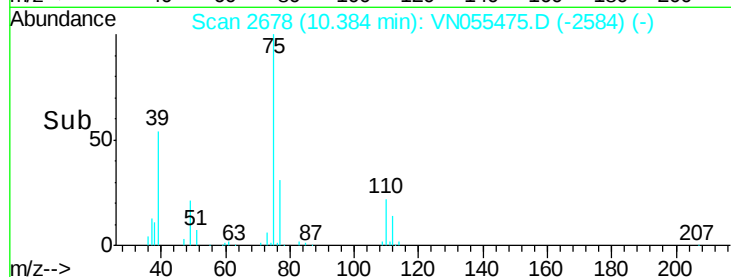
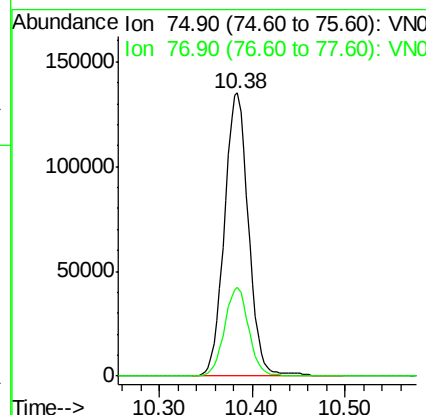
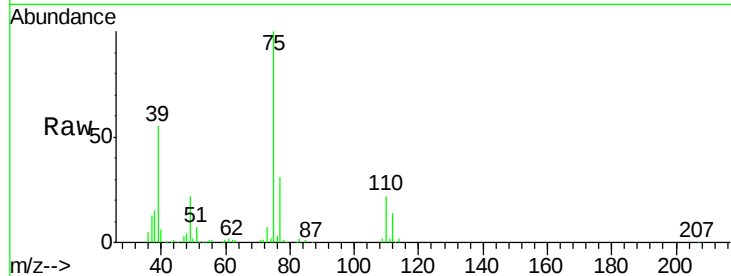
#53
 t-1,3-Dichloropropene
 Concen: 51.439 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.4	36.6

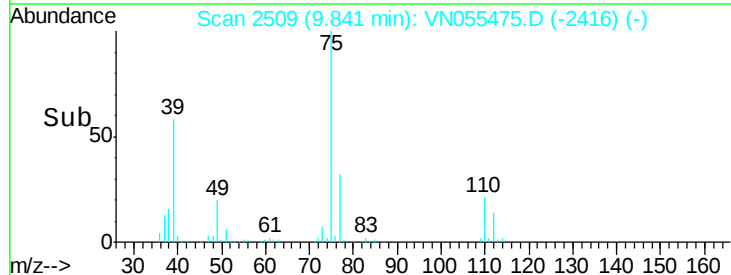
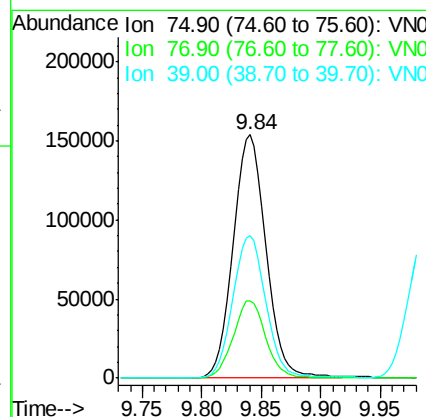
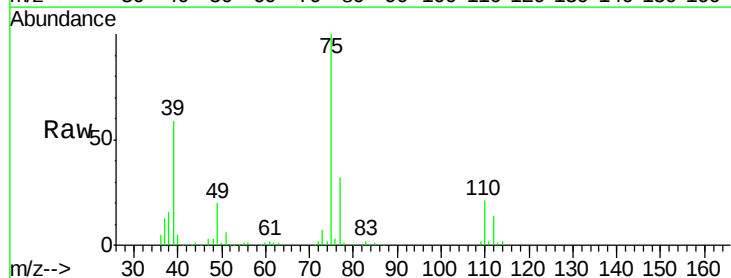
Manual Integrations
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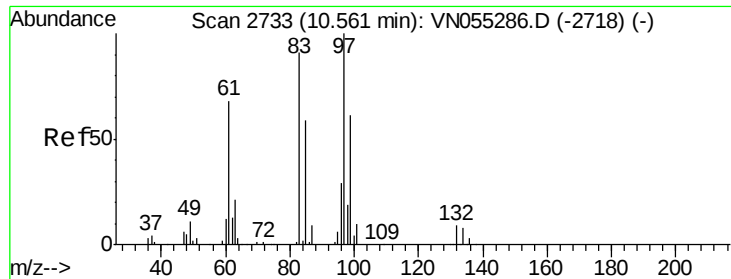
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 5/8/2019 10:16:57 AM



#54
 cis-1,3-Dichloropropene
 Concen: 49.980 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.2	36.2
39	58.3	44.2	66.2





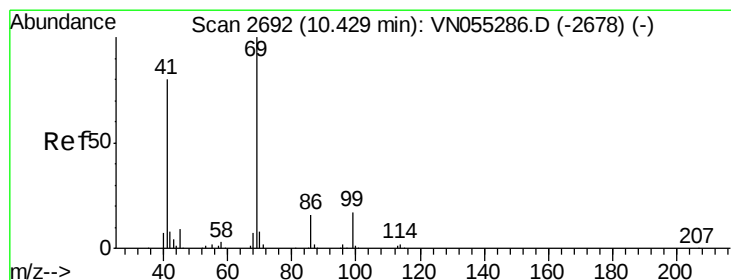
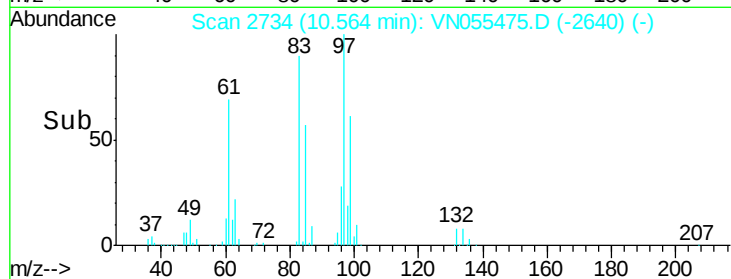
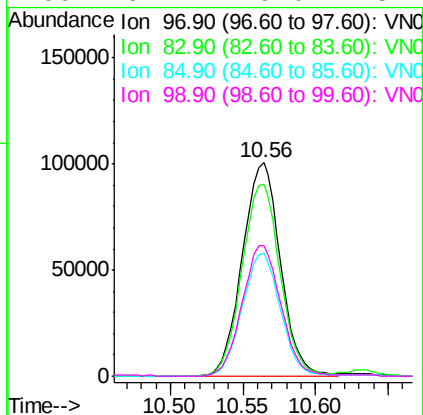
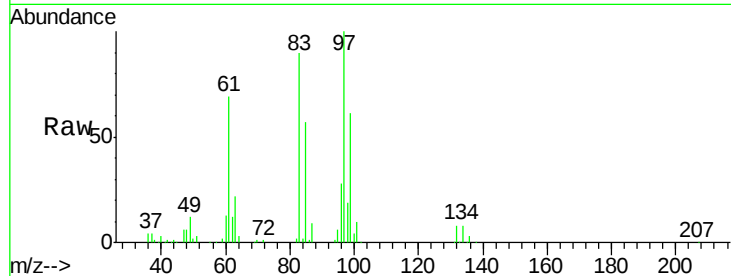
#55
 1,1,2-Trichloroethane
 Concen: 53.790 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	184573
Ion	Ratio	Lower	Upper
97	100		
83	90.2	72.8	109.2
85	57.2	47.0	70.6
99	61.1	49.0	73.4

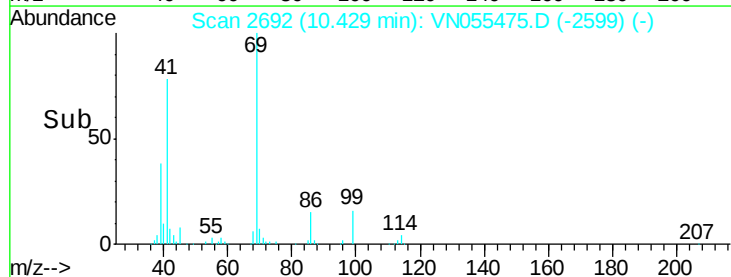
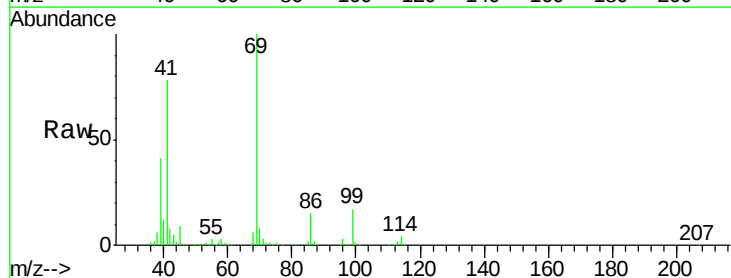
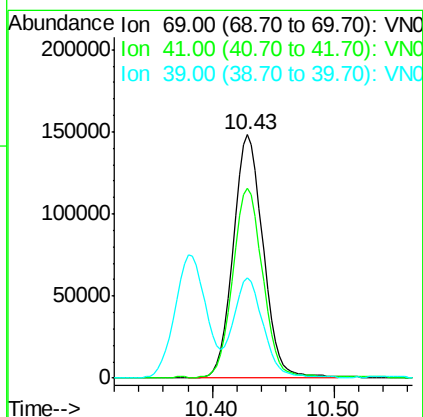
Manual Integrations
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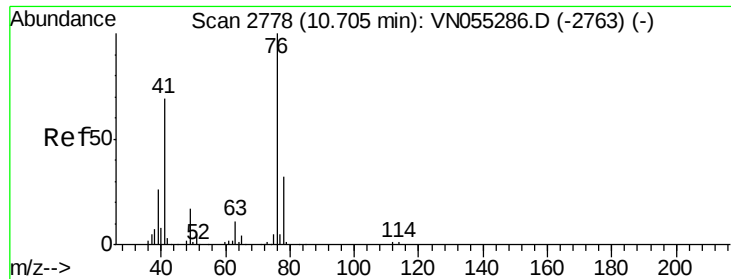
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 59.974 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion:	69	Resp:	253301
Ion	Ratio	Lower	Upper
69	100		
41	79.2	62.7	94.1
39	40.9	32.0	48.0





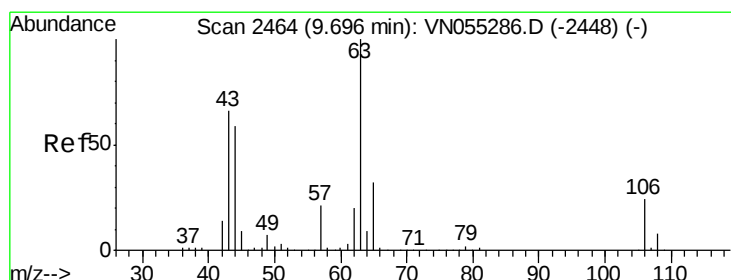
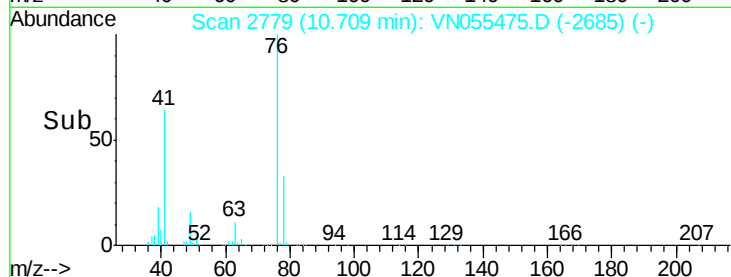
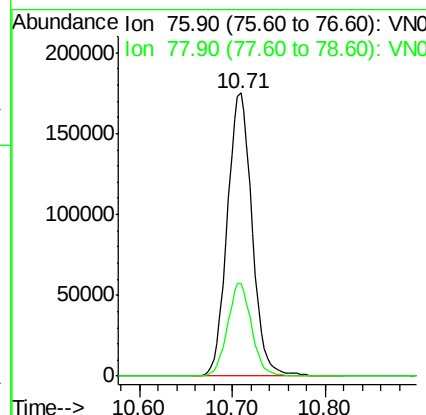
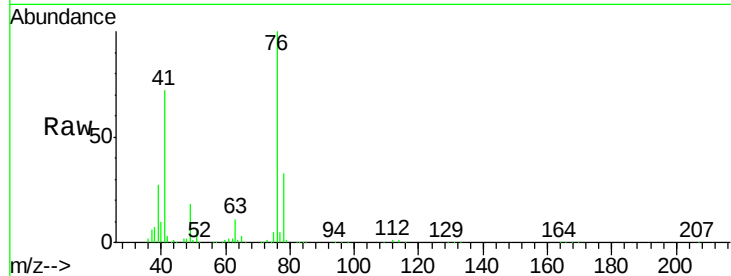
#57
 1,3-Dichloropropane
 Concen: 53.845 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 324123
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4

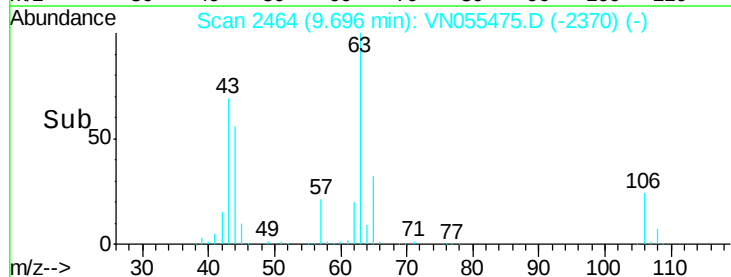
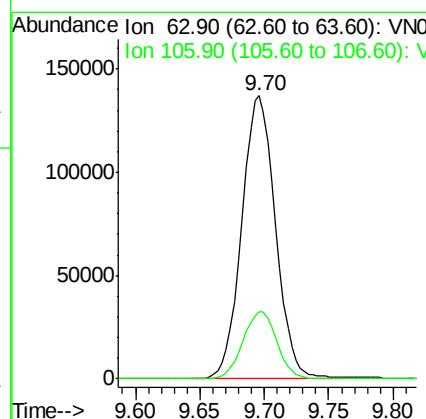
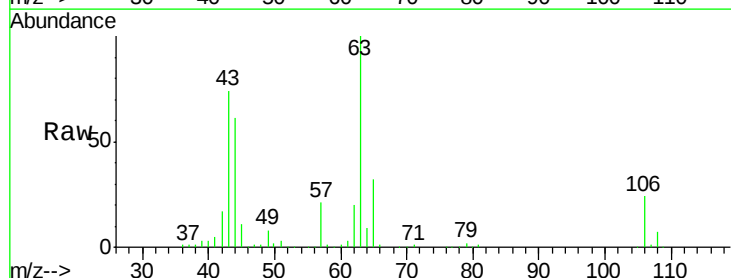
Manual Integrations
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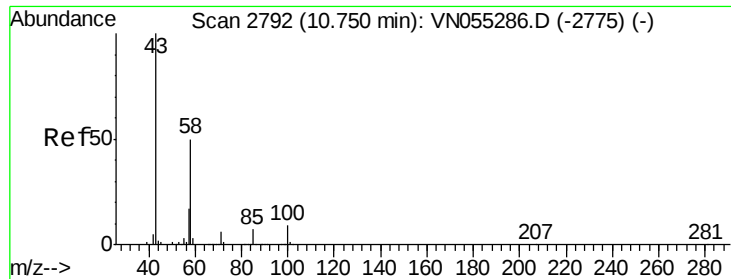
MMDadoda
 5/8/2019 10:16:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 193.615 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion: 63 Resp: 249923
 Ion Ratio Lower Upper
 63 100
 106 23.8 19.0 28.4





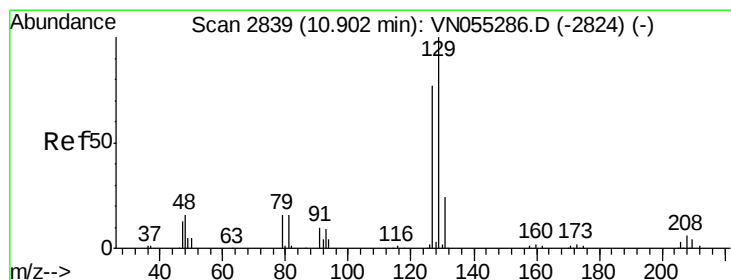
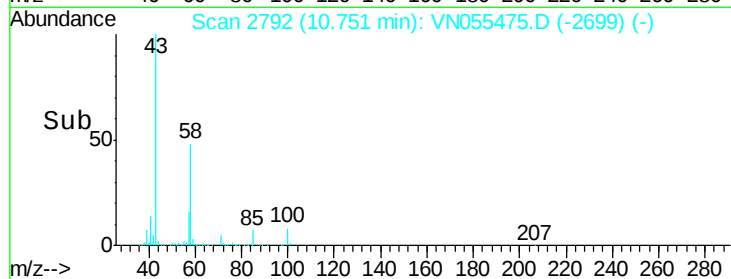
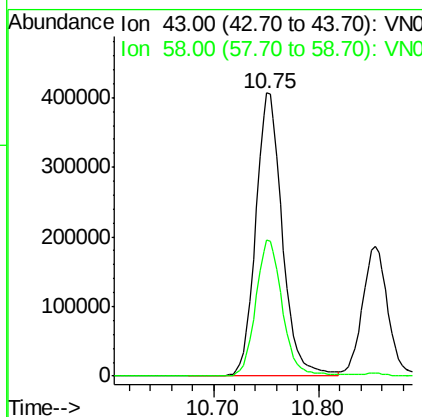
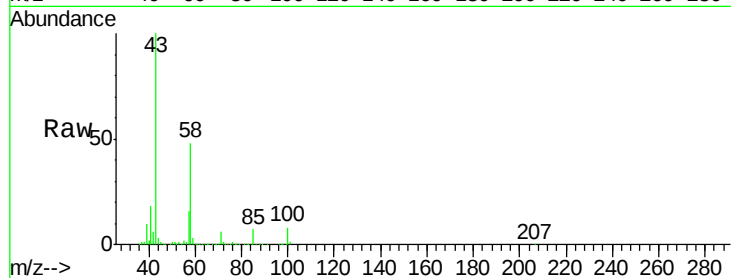
#59
2-Hexanone
Concen: 300.775 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	712944
Ion Ratio	100	Lower	Upper
43	100		
58	48.4	24.9	74.6

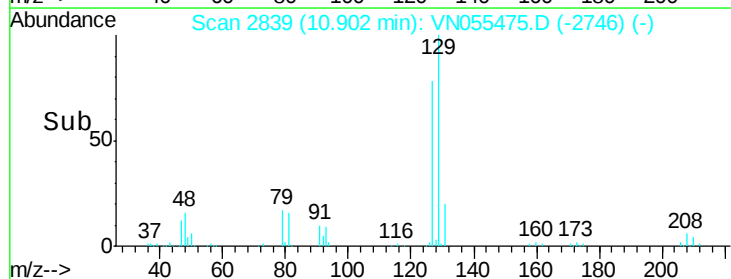
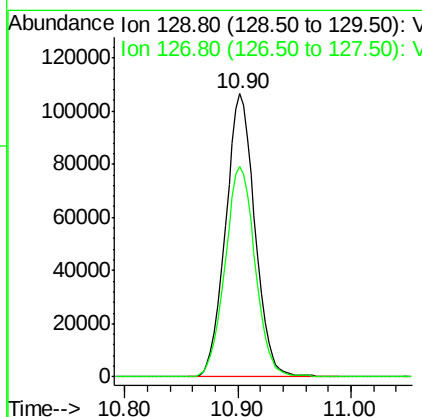
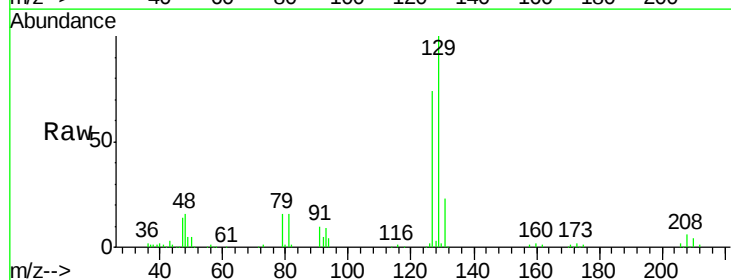
Manual Integrations
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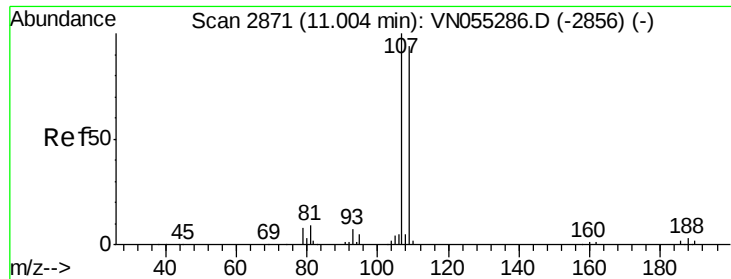
MMDadoda
5/8/2019 10:16:57 AM



#60
Dibromochloromethane
Concen: 54.472 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion	129	Resp	191034
Ion Ratio	100	Lower	Upper
129	100		
127	76.3	38.1	114.5





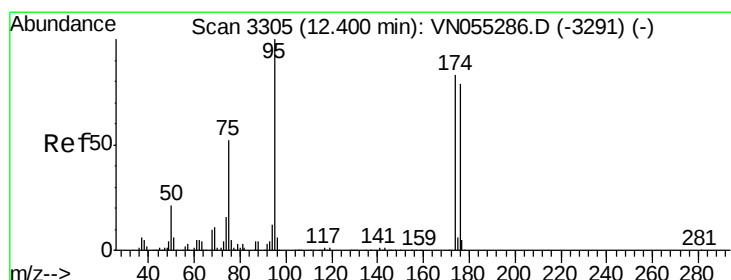
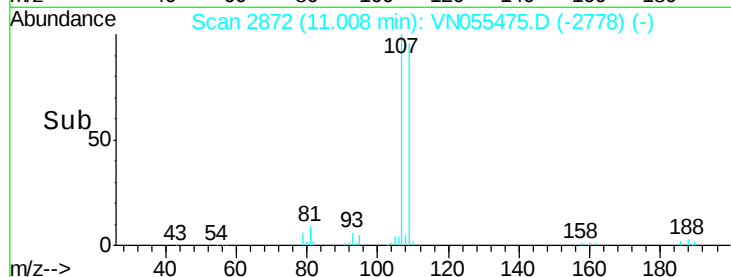
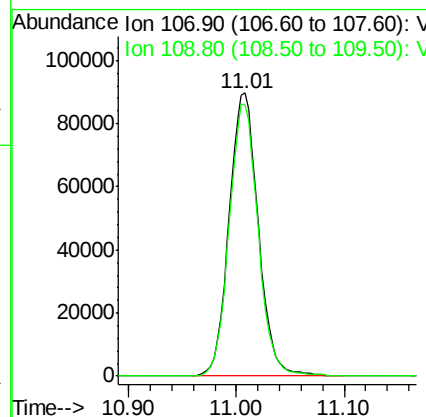
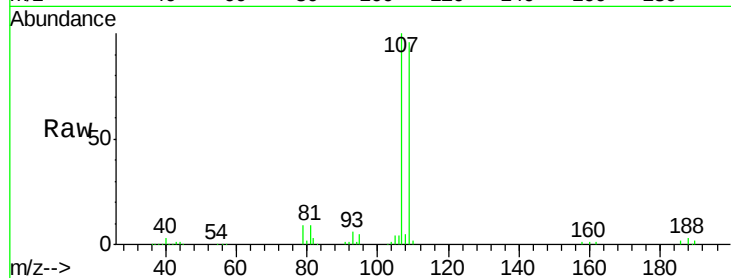
#61
 1,2-Dibromoethane
 Concen: 53.383 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.0	112.6

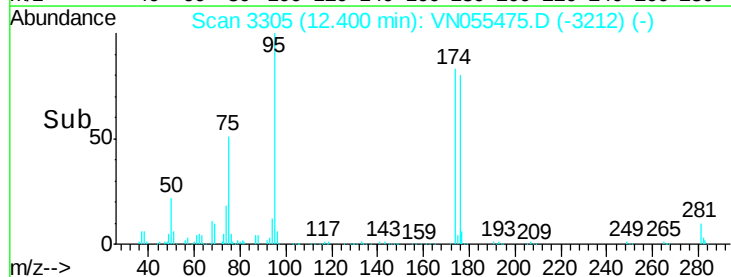
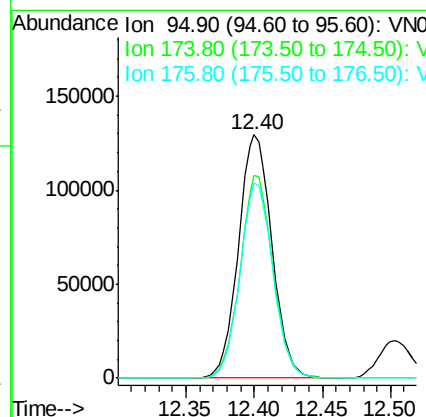
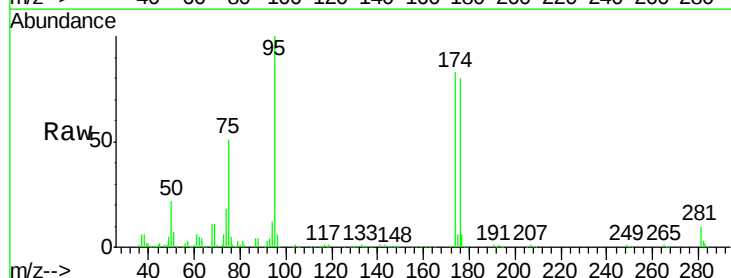
Manual Integrations
 APPROVED

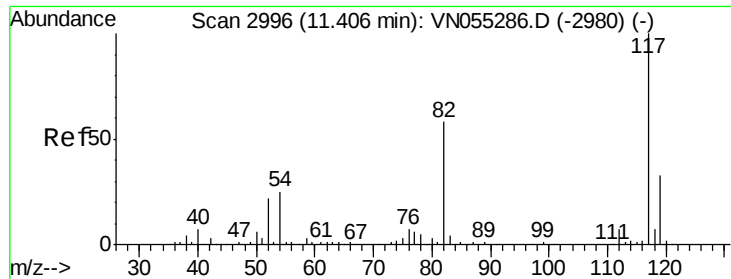
MMDadoda
 5/8/2019 10:16:57 AM



#62
 4-Bromofluorobenzene
 Concen: 52.241 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.2	0.0	166.6
176	78.8	0.0	157.8





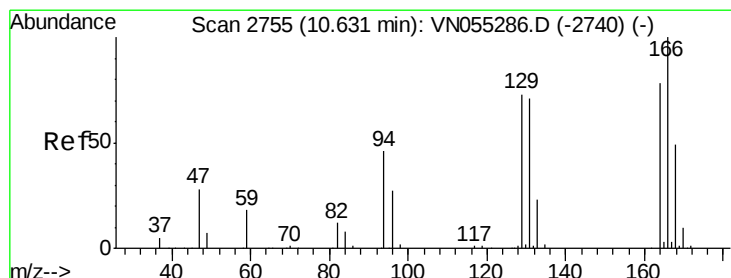
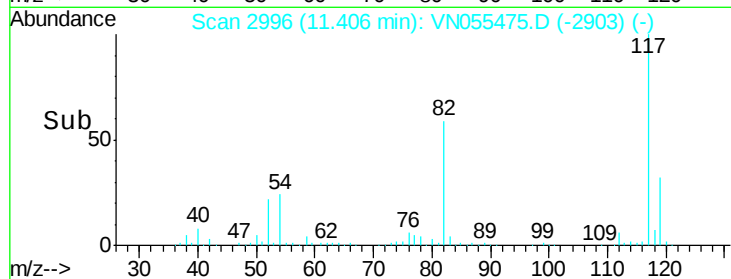
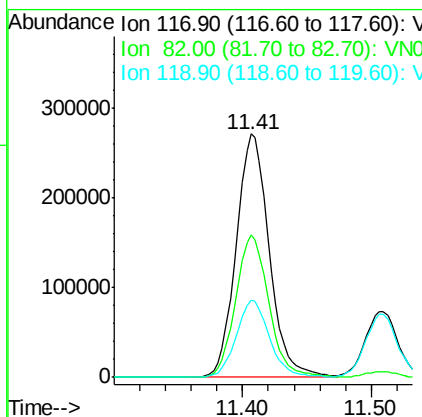
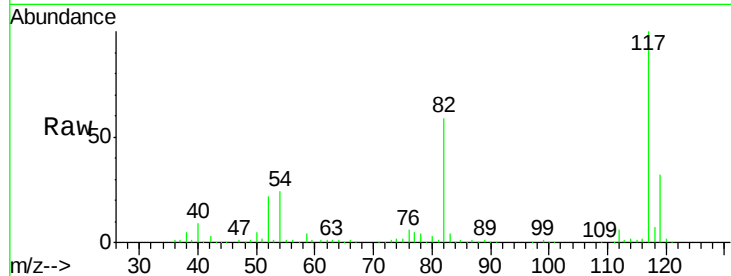
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.2	69.4
119	31.8	26.6	40.0

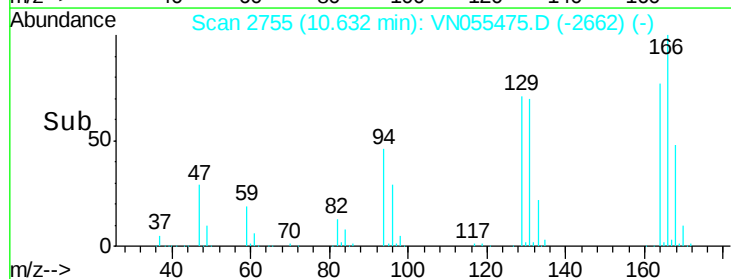
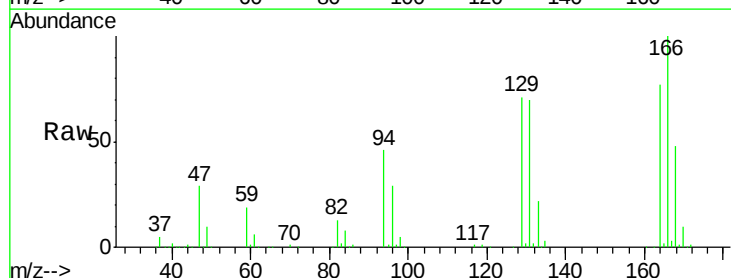
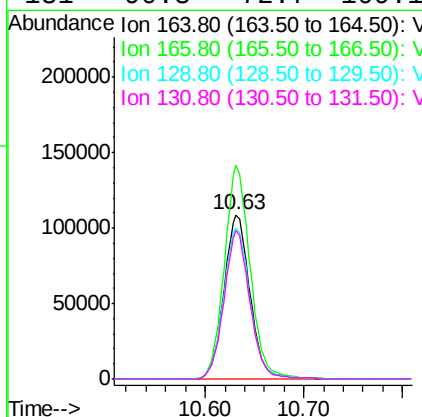
Manual Integrations
APPROVED

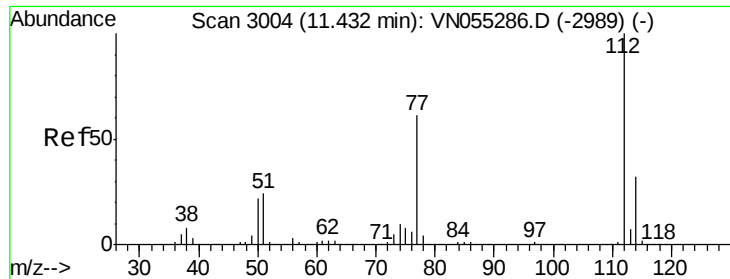
MMDadoda
5/8/2019 10:16:57 AM



#64
Tetrachloroethene
Concen: 50.735 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	102.3	153.5
129	91.8	75.0	112.6
131	90.3	72.7	109.1





#65

Chlorobenzene

Concen: 49.938 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 472366

Ion Ratio Lower Upper

112 100

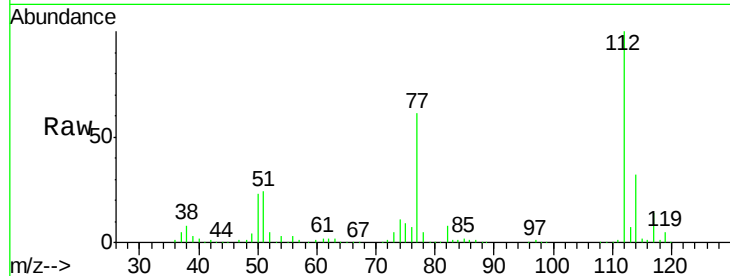
114 32.0 25.3 37.9

Manual Integrations

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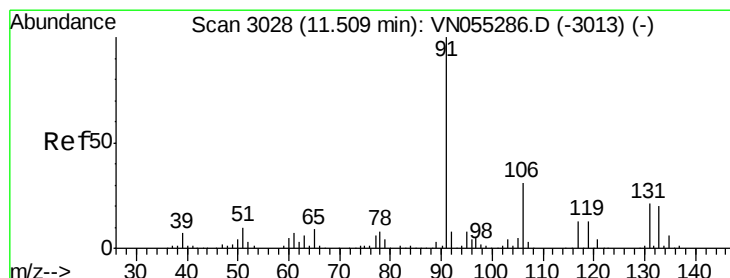
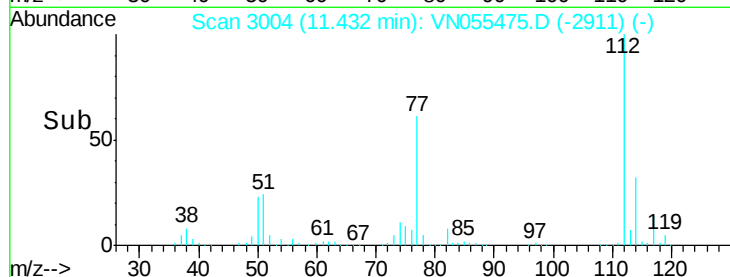
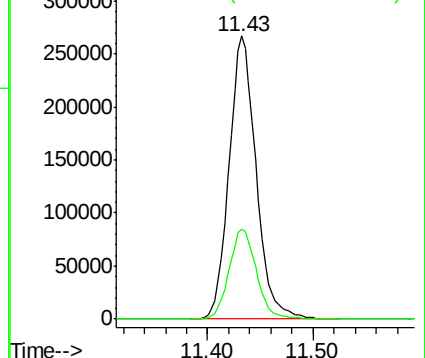
MMDadoda

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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: 50.531 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

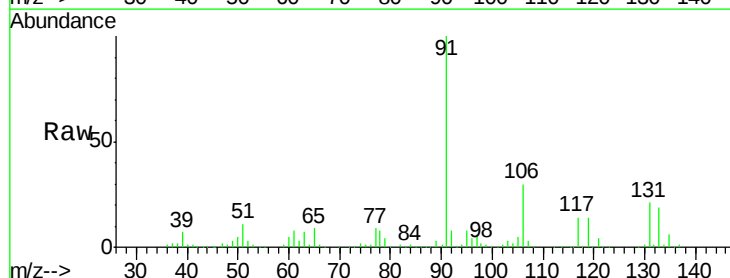
Tgt Ion:131 Resp: 187160

Ion Ratio Lower Upper

131 100

133 93.1 47.5 142.6

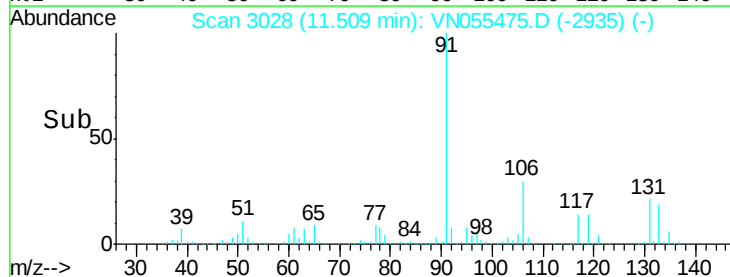
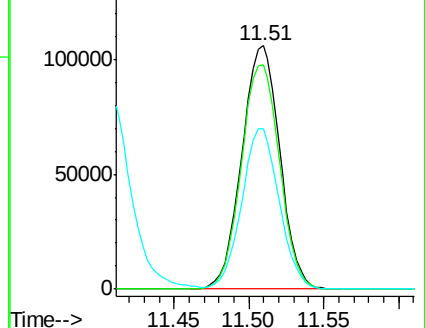
119 65.2 32.7 98.1

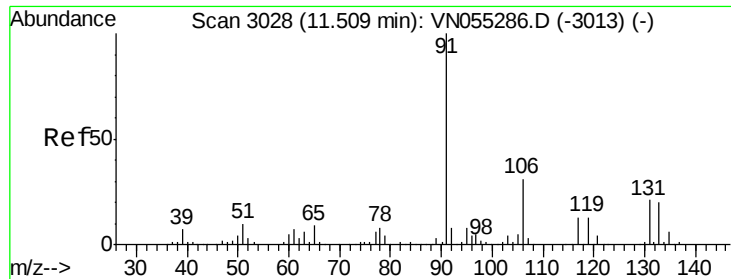


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





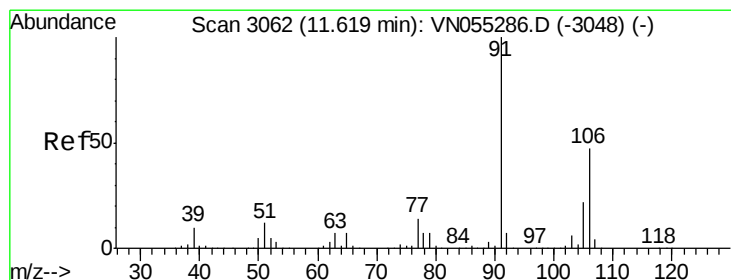
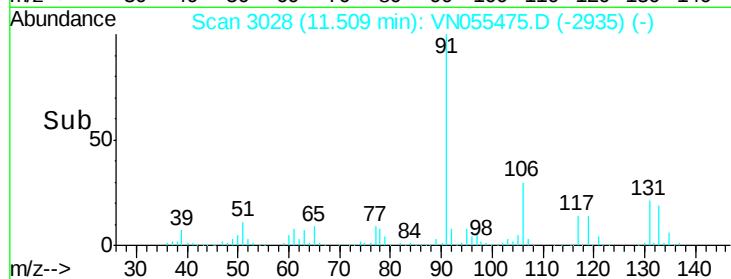
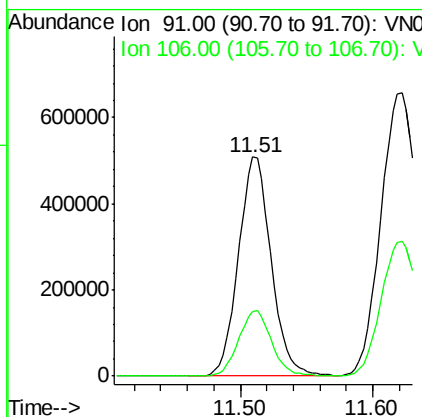
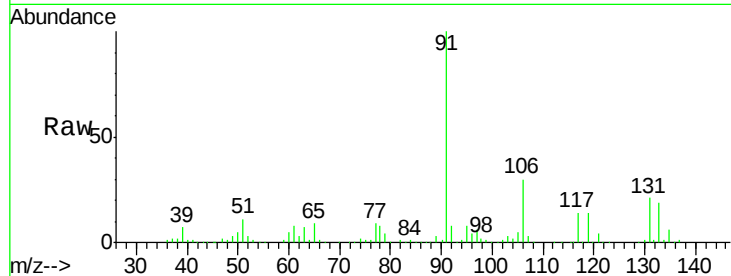
#67
Ethyl Benzene
Concen: 51.198 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 874529
Ion Ratio Lower Upper
91 100
106 29.7 24.6 36.8

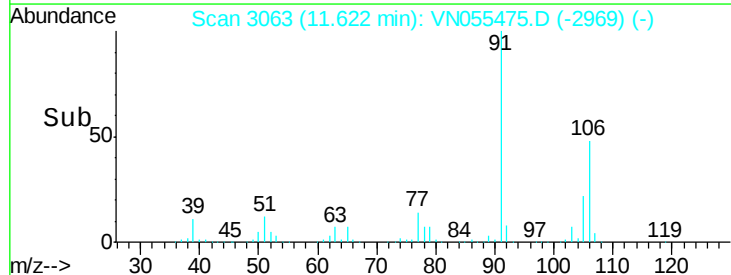
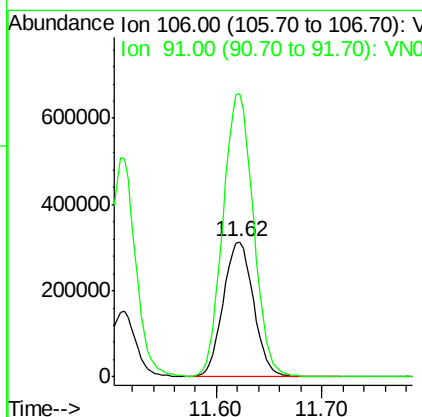
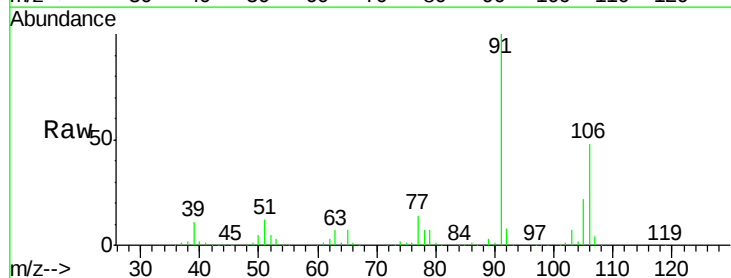
Manual Integrations
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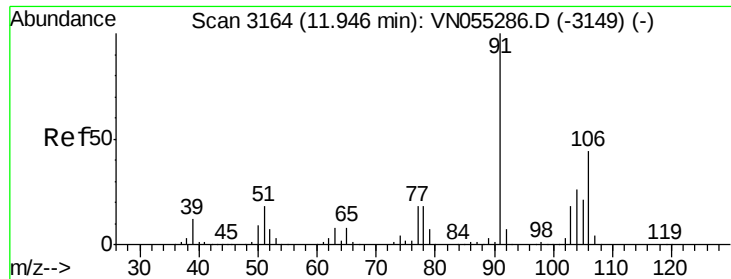
MMDadoda
5/8/2019 10:16:57 AM



#68
m/p-Xylenes
Concen: 102.471 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion: 106 Resp: 624771
Ion Ratio Lower Upper
106 100
91 209.8 169.5 254.3





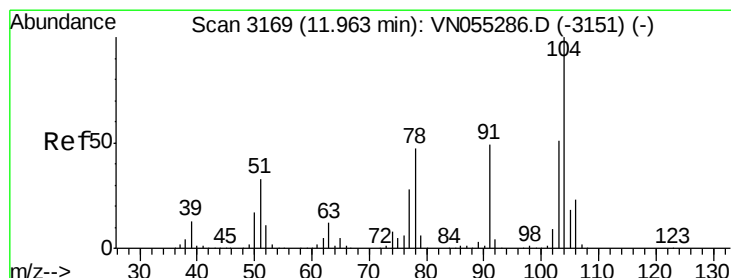
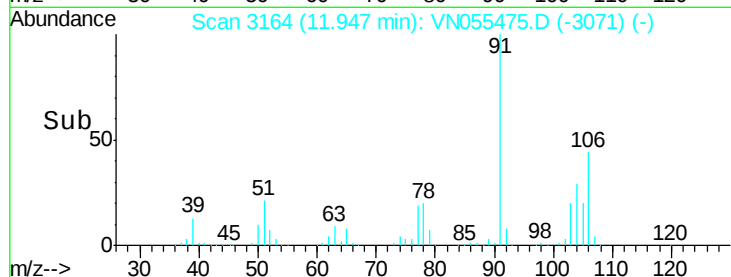
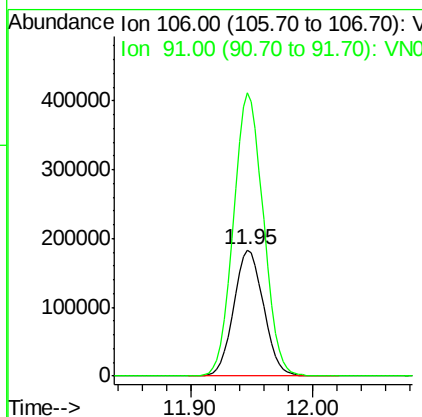
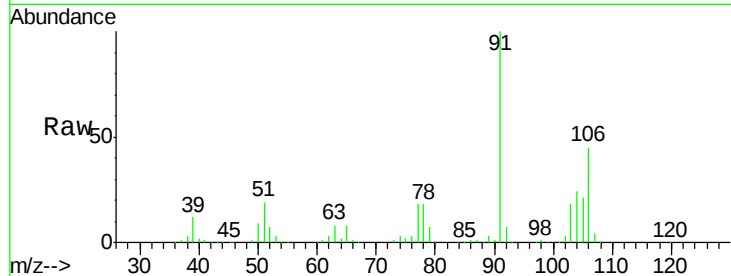
#69
o-Xylene
Concen: 51.670 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion:106 Resp: 312249
Ion Ratio Lower Upper
106 100
91 224.0 111.5 334.5

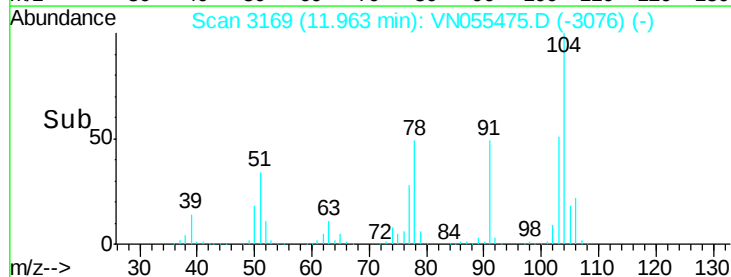
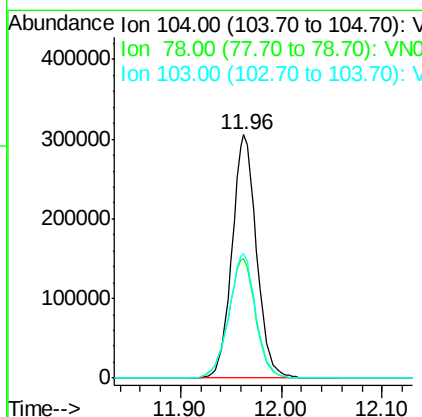
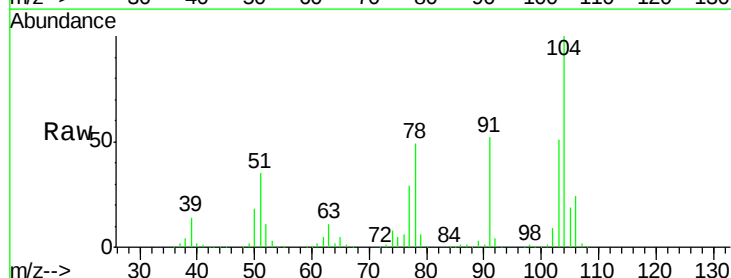
Manual Integrations
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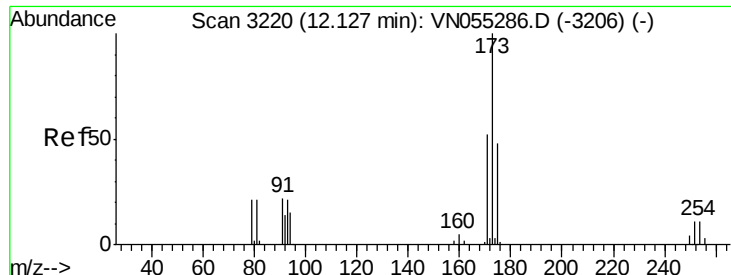
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#70
Styrene
Concen: 55.507 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion:104 Resp: 515038
Ion Ratio Lower Upper
104 100
78 54.3 42.2 63.2
103 55.9 44.6 67.0





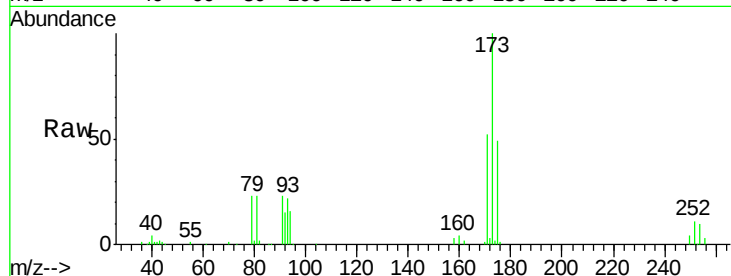
#71
Bromoform
Concen: 55.641 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

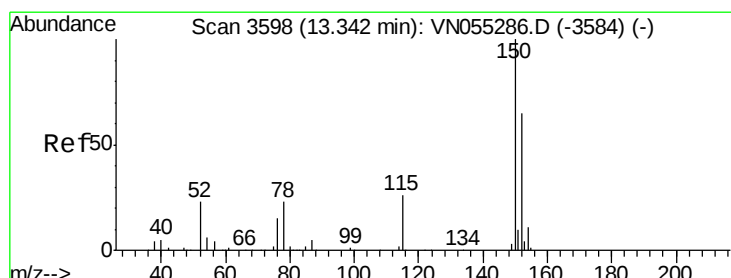
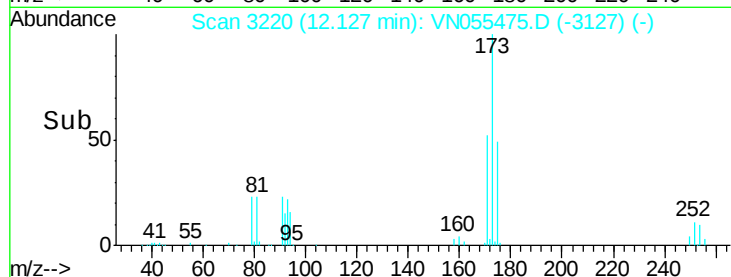
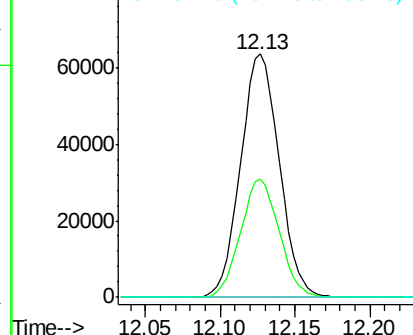
Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	48.6	23.6	71.0		
254	0.0	0.0	0.0		

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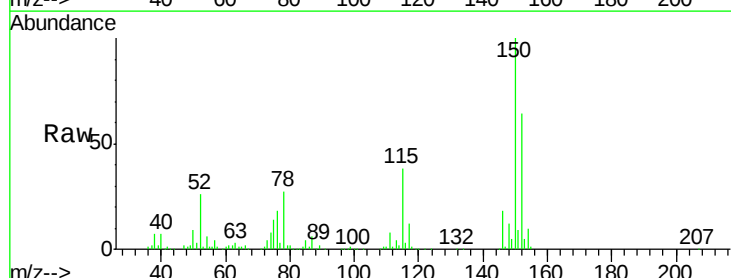


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

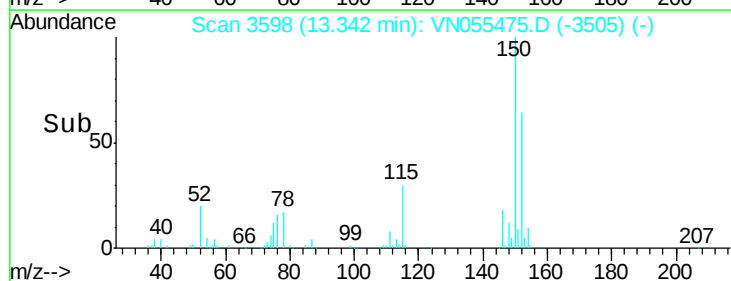
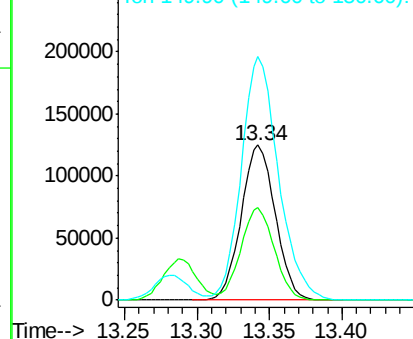


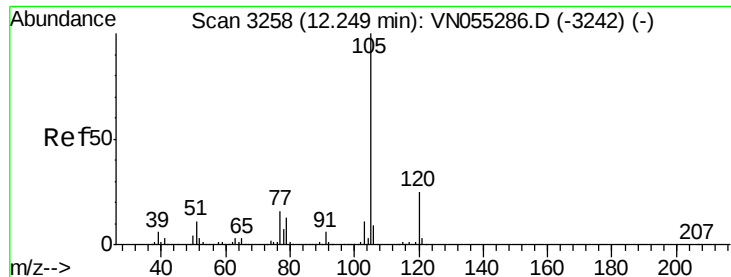
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	58.9	29.0	87.0		
150	170.8	0.0	345.6		



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: 52.452 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 849555

Ion Ratio Lower Upper

105 100

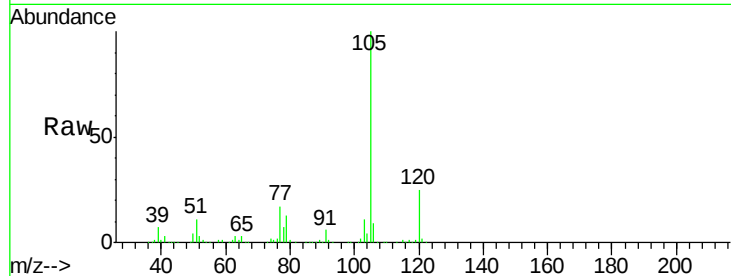
120 25.4 12.9 38.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

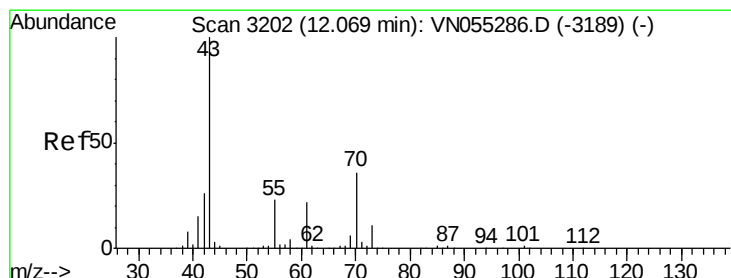
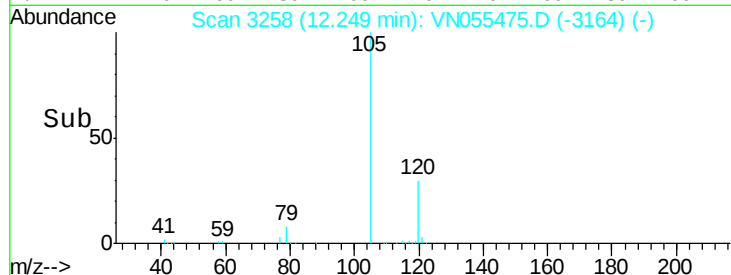
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 55.983 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Tgt Ion: 43 Resp: 293320

Ion Ratio Lower Upper

43 100

70 34.3 27.9 41.9

55 22.8 18.2 27.2

61 21.7 16.9 25.3

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

150000

100000

50000

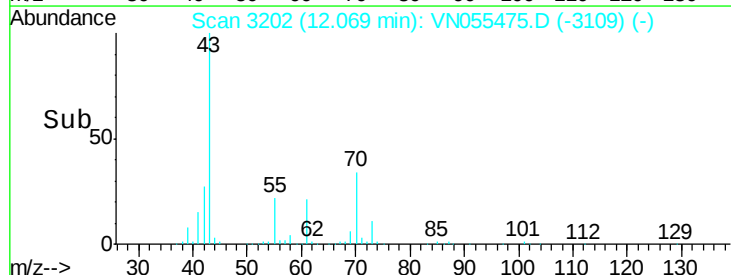
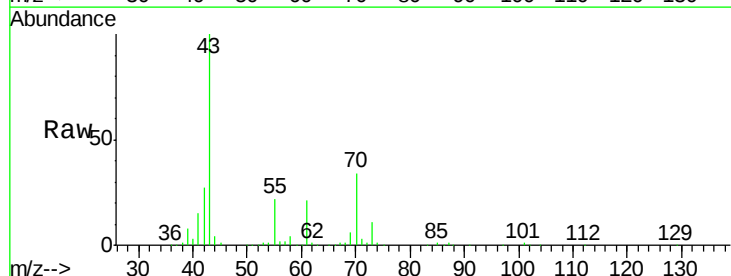
0

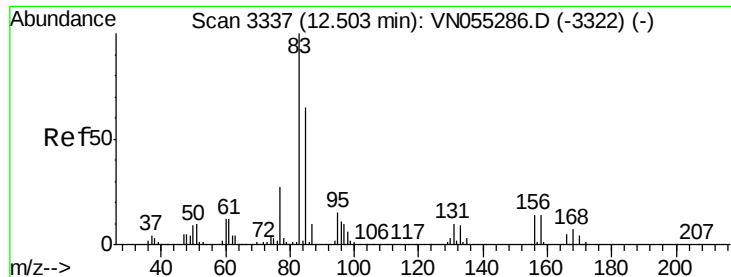
12.00

12.07

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.361 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

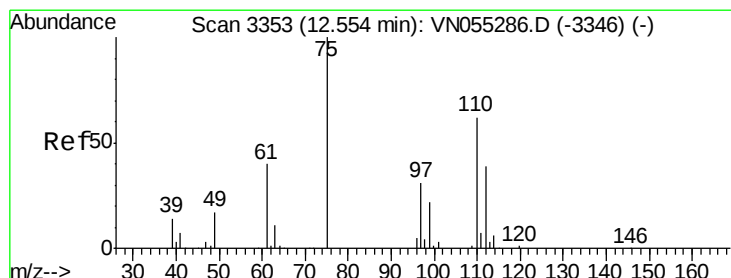
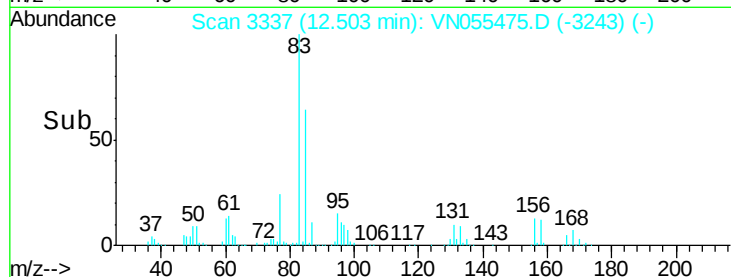
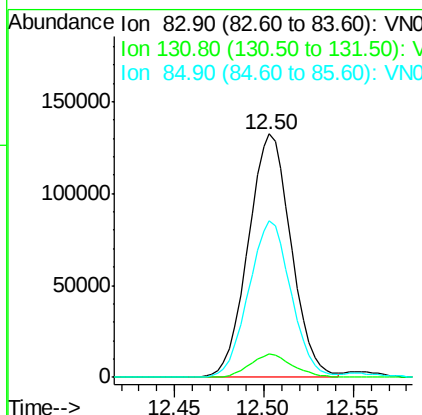
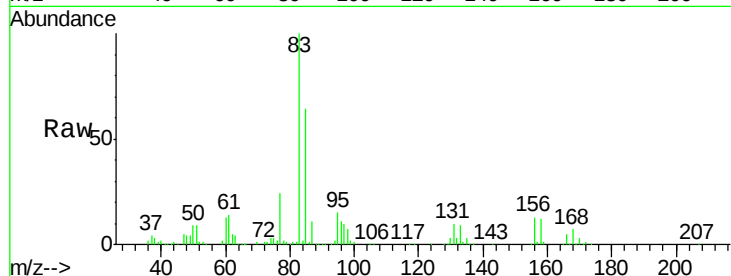
ClientSampled :

VSTDCCC050EC

Tot Ion:	83	Resp:	222559
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.1	15.2
85	63.6	32.3	96.8

Manual Integrations
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MMDadoda
5/8/2019 10:16:57 AM



#76

1,2,3-Trichloropropane

Concen: 51.720 ug/l m

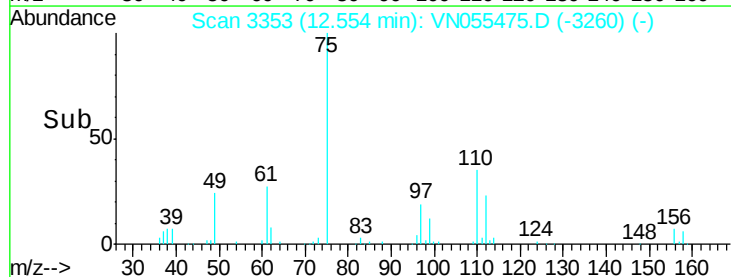
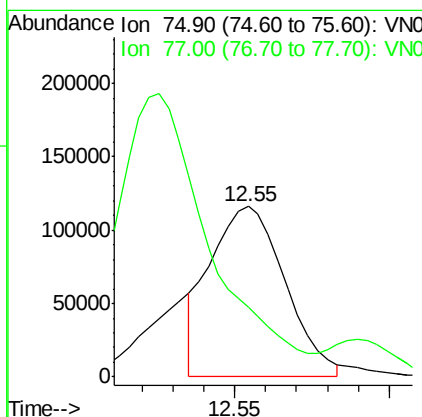
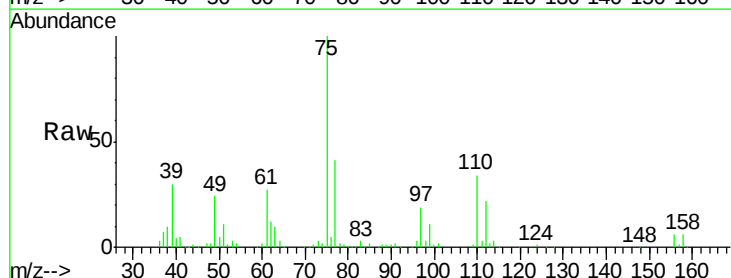
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Tgt Ion:	75	Resp:	195937
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.726 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

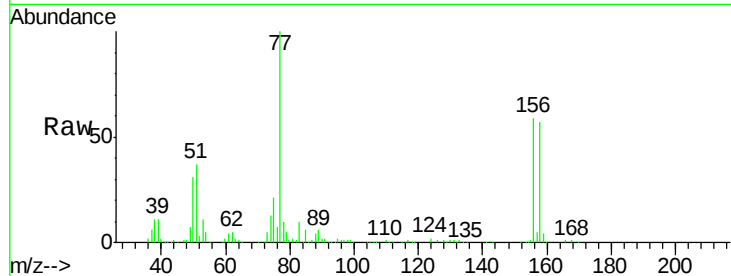
ClientSampled :

VSTDCCC050EC

Tot Ion:	156	Resp:	201152
Ion Ratio	Lower	Upper	
156	100		
77	203.1	99.6	298.8
158	97.4	49.3	147.8

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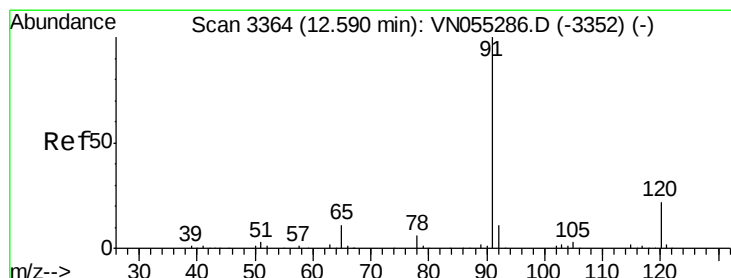
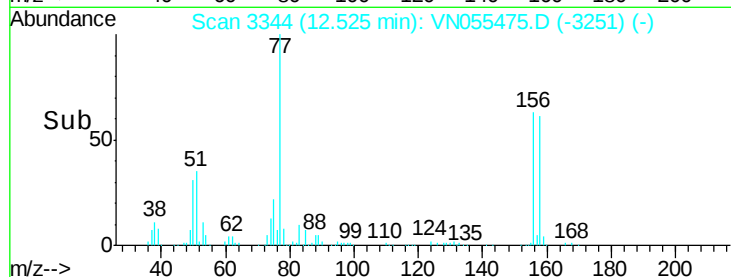
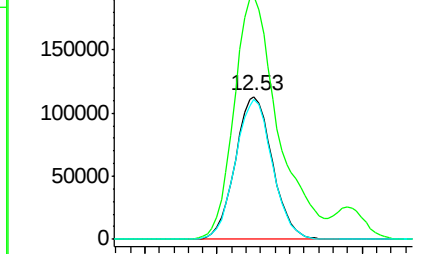
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.177 ug/l

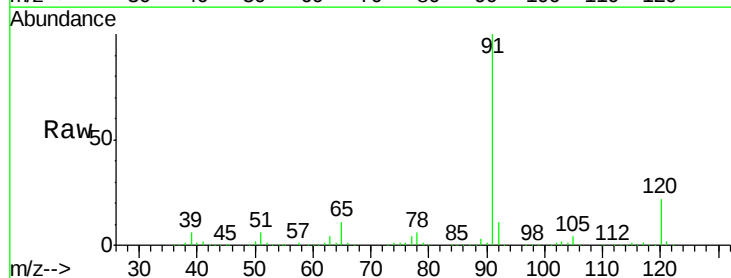
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055475.D

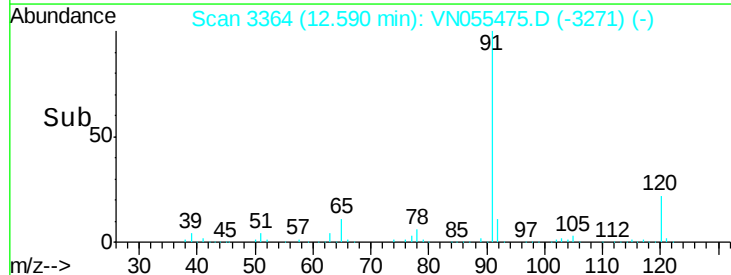
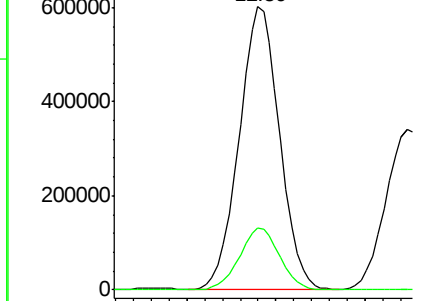
Acq: 8 May 2019 7:51

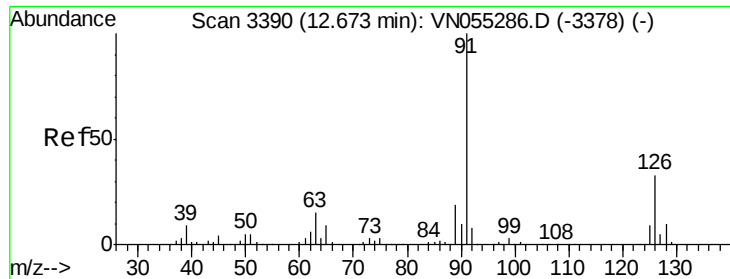
Tgt Ion:	91	Resp:	947427
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.571 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 580150

Ion Ratio Lower Upper

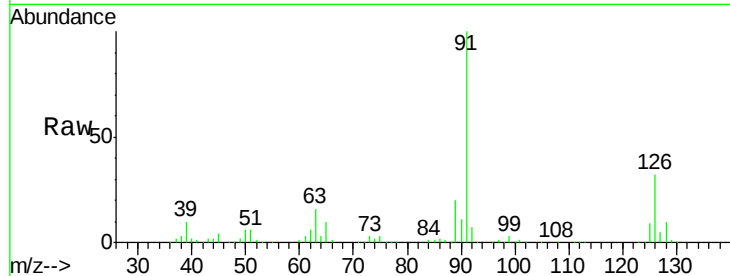
91 100

126 32.7 16.6 49.7

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Abundance Ion 91.00 (90.70 to 91.70): VN055475.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN055475.D (-3297) (-)

500000

400000

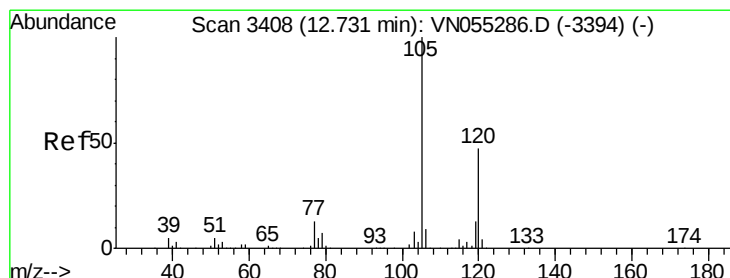
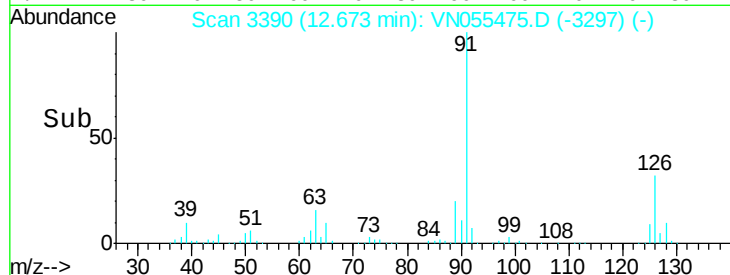
300000

200000

100000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 43.902 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055475.D

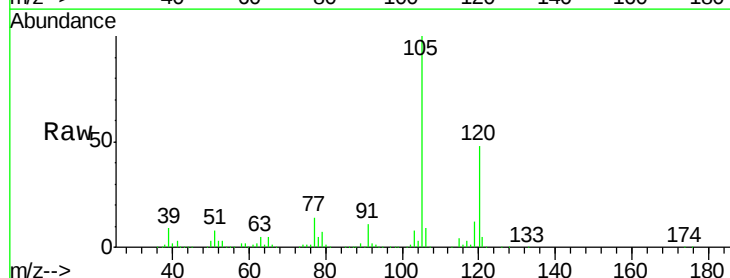
Acq: 8 May 2019 7:51

Tgt Ion: 105 Resp: 702660

Ion Ratio Lower Upper

105 100

120 47.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055475.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN055475.D (-3315) (-)

500000

400000

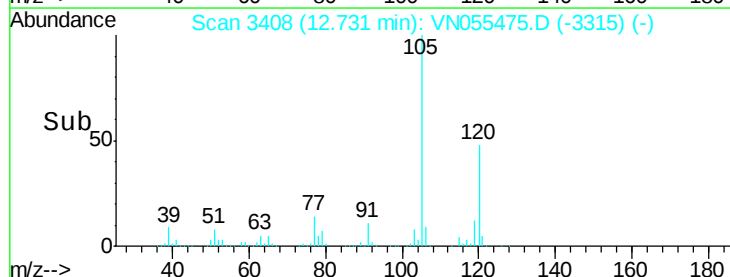
300000

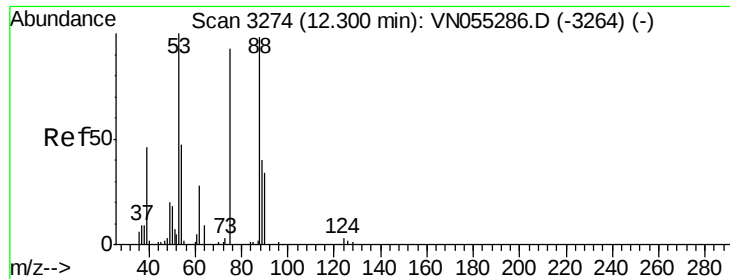
200000

100000

0

Time--> 12.70 12.80





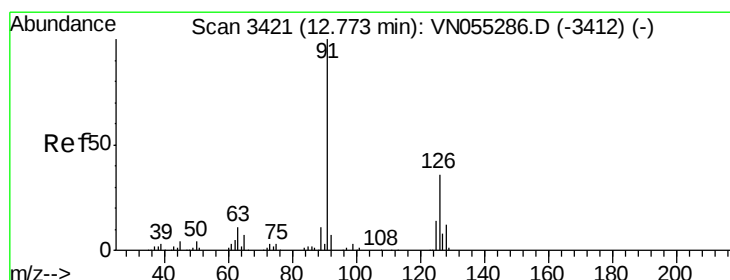
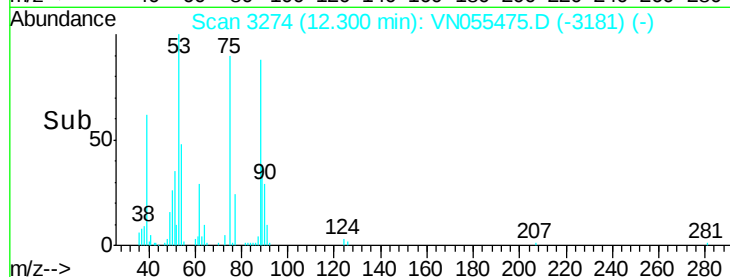
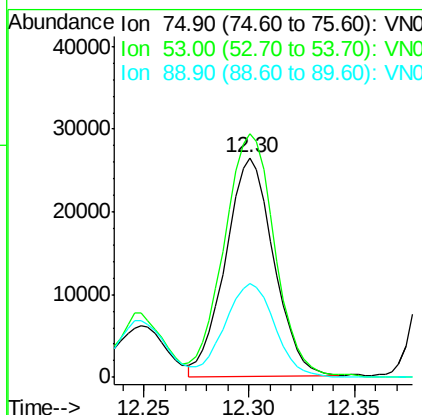
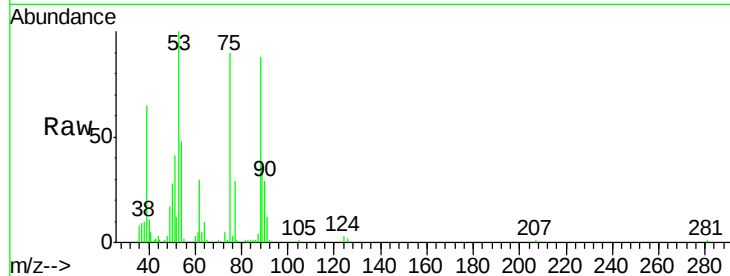
#81
trans-1,4-Dichloro-2-butene
Concen: 38.703 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.9	86.3	129.5
89	44.7	34.6	51.8

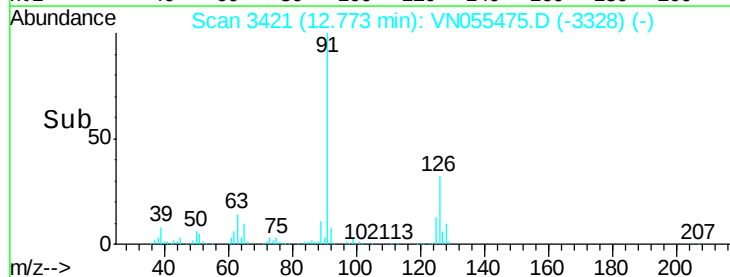
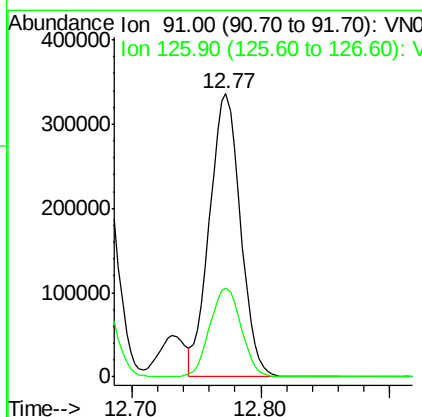
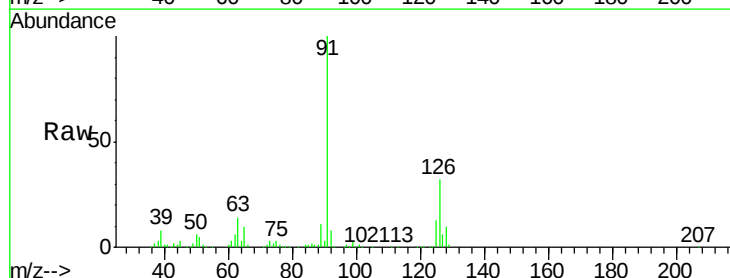
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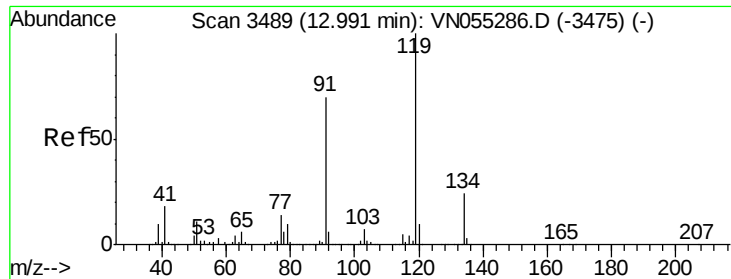
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#82
4-Chlorotoluene
Concen: 45.961 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.6	49.7





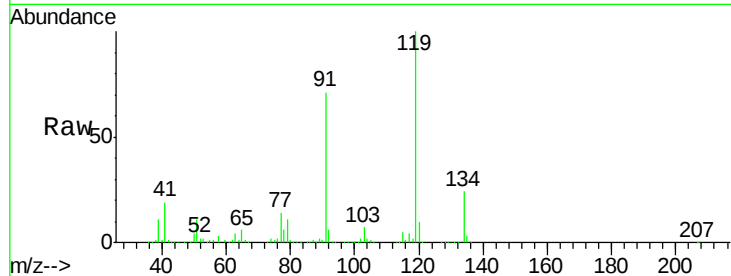
#83
tert-Butylbenzene
Concen: 54.864 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

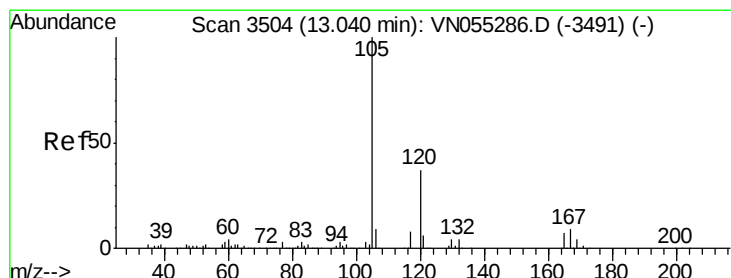
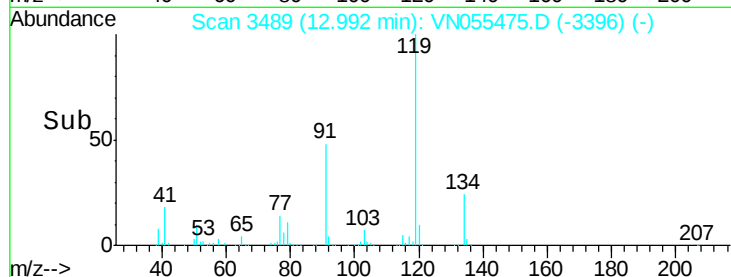
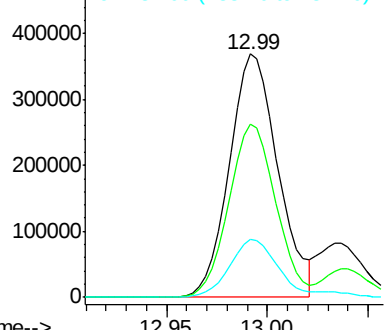
Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	34.3	102.9
134	25.1	13.1	39.3

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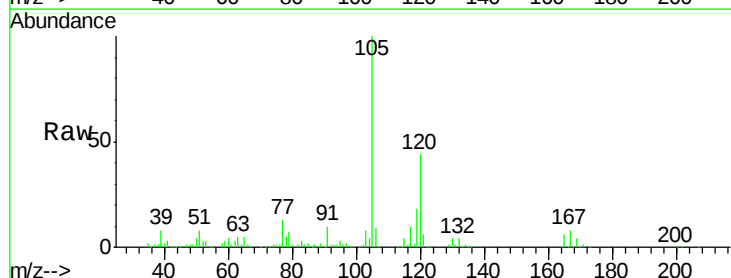


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

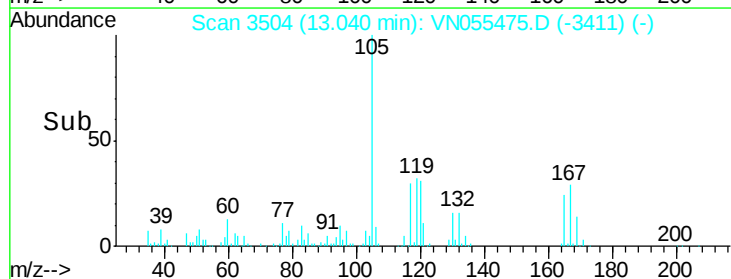
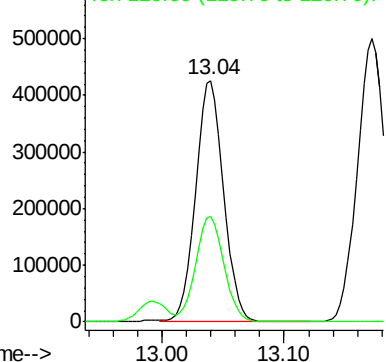


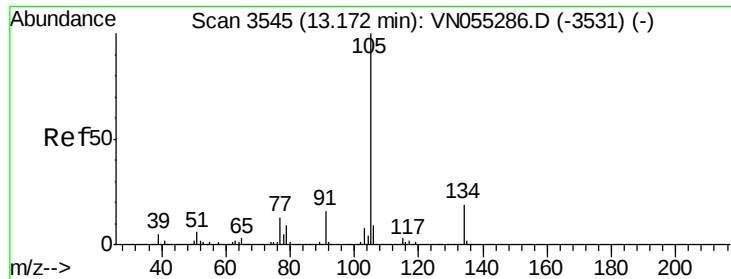
#84
1,2,4-Trimethylbenzene
Concen: 47.762 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.5



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





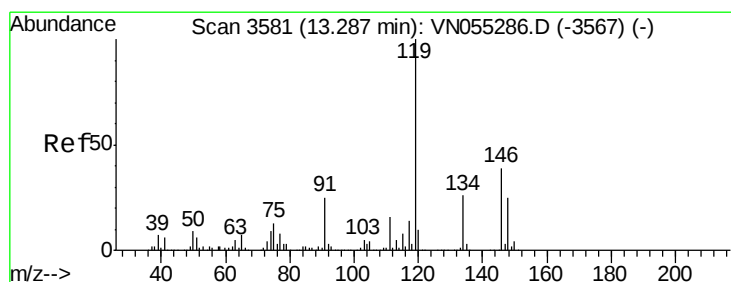
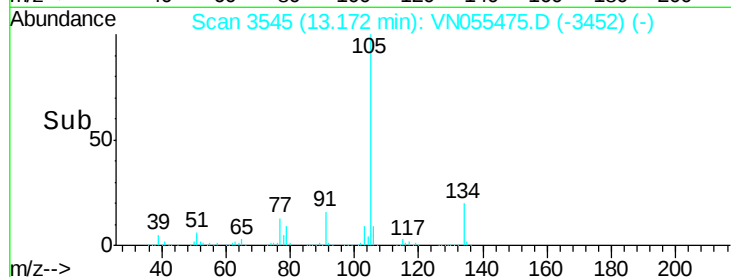
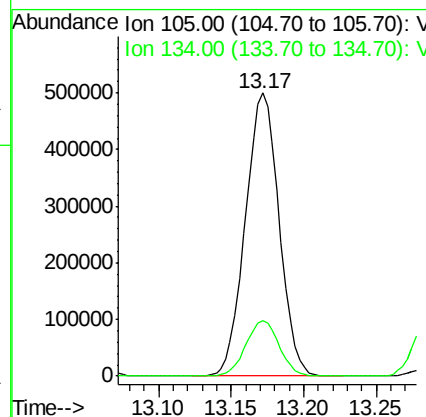
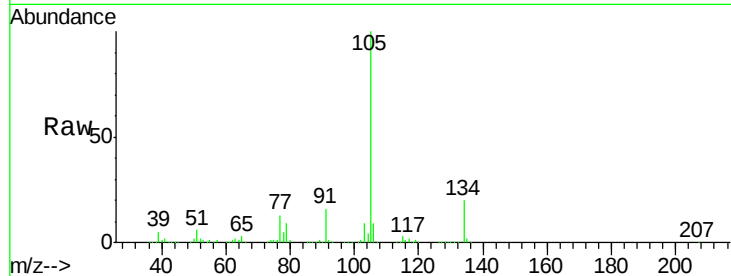
#85
 sec-Butylbenzene
 Concen: 46.459 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.6	28.8

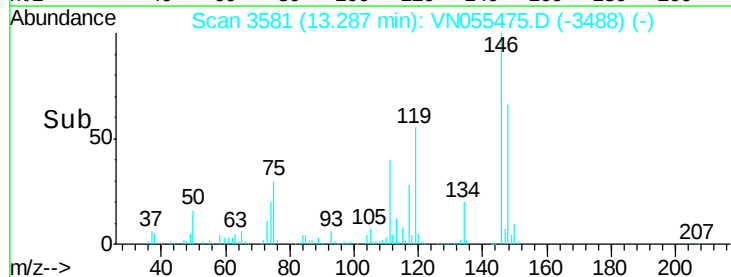
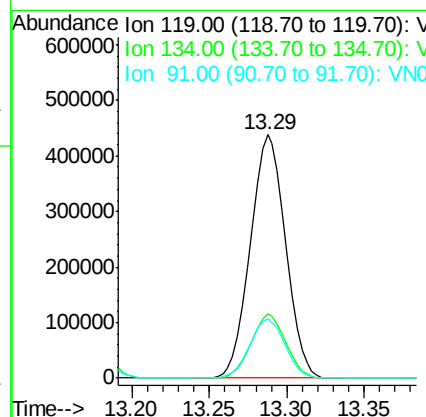
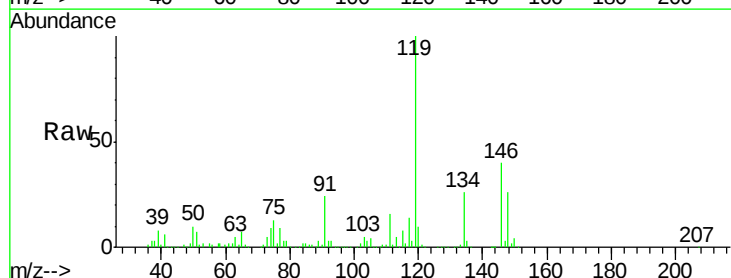
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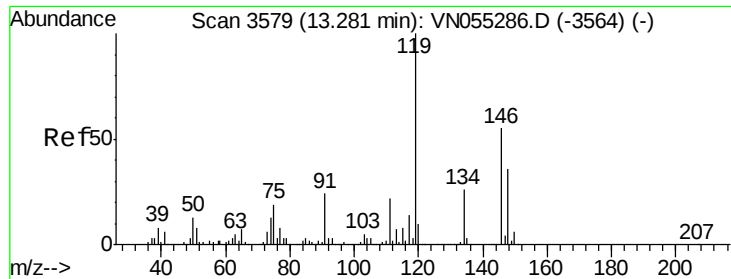
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#86
 p-Isopropyltoluene
 Concen: 48.478 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	38.9
91	24.3	12.2	36.6





#87

1,3-Dichlorobenzene

Concen: 48.270 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

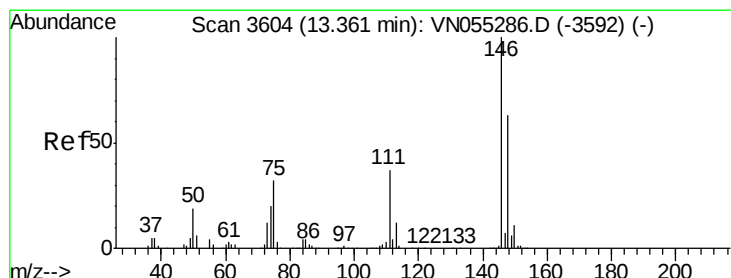
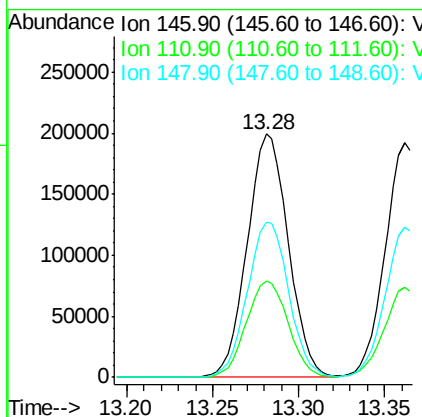
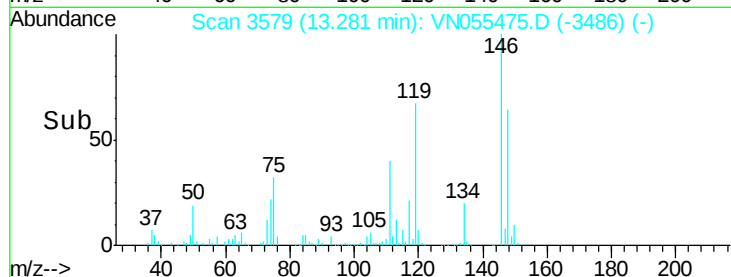
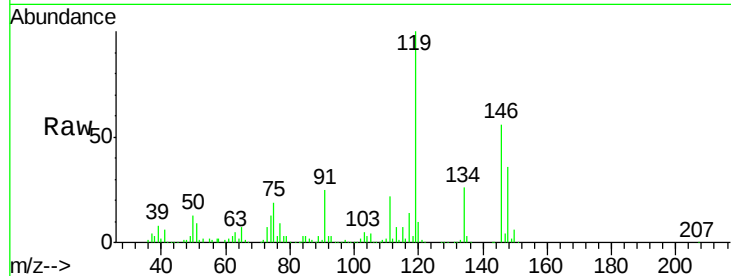
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	329762
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.3	60.8
148	64.3	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.063 ug/l

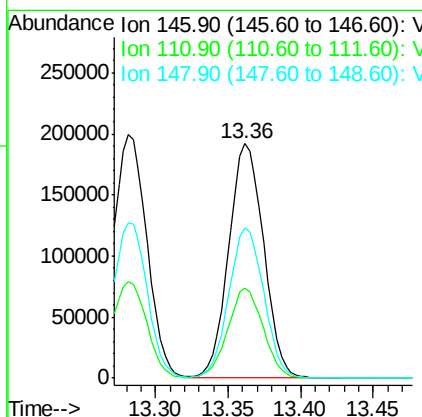
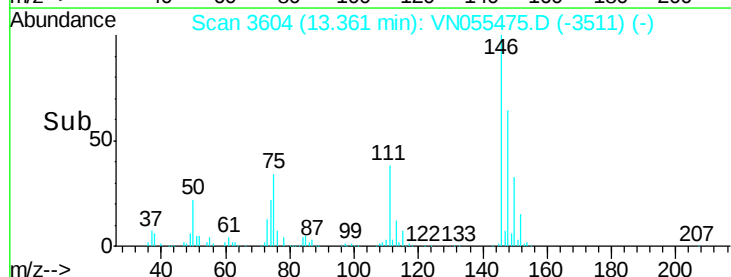
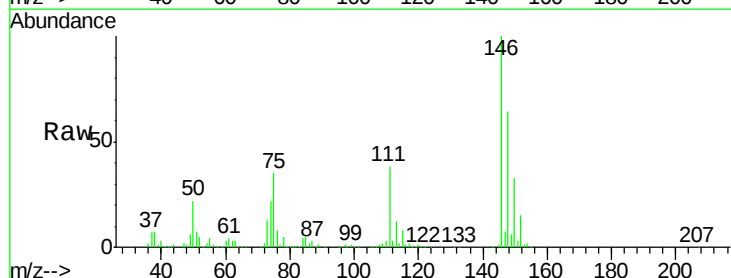
RT: 13.36 min Scan# 3604

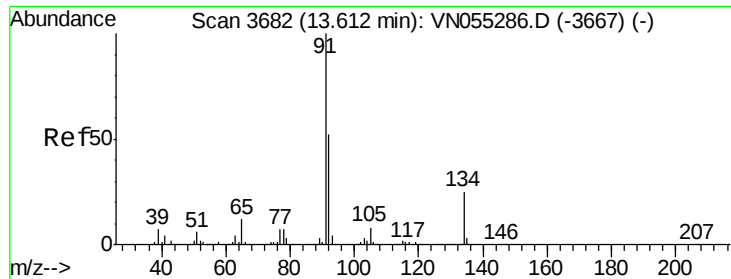
Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Tgt Ion:	146	Resp:	322081
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.5	58.5
148	64.3	32.5	97.4





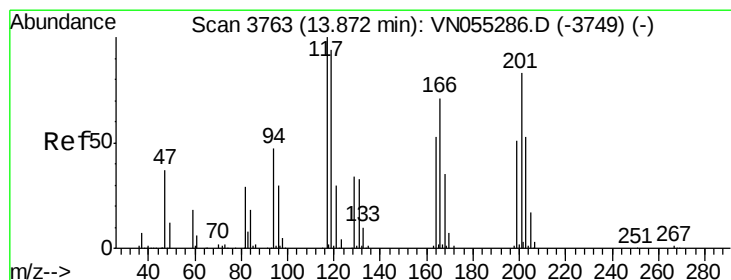
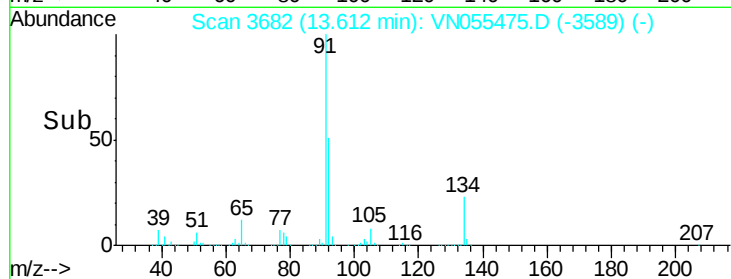
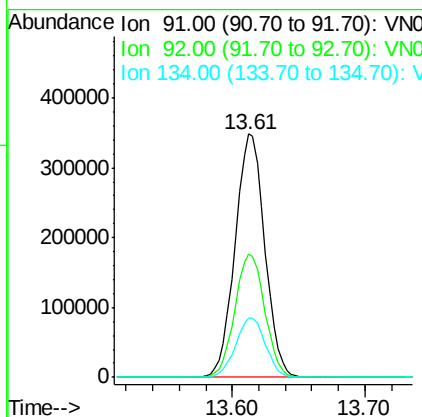
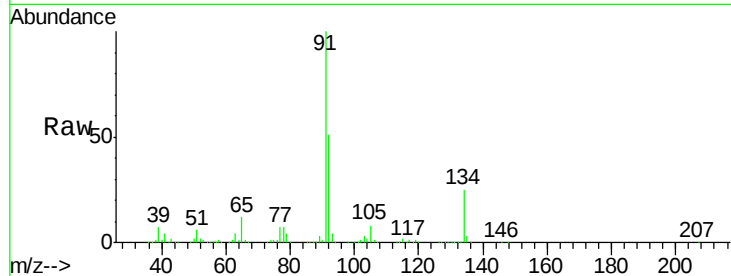
#89
n-Butylbenzene
Concen: 53.298 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.0	26.1	78.3	
134	24.6	12.4	37.4	

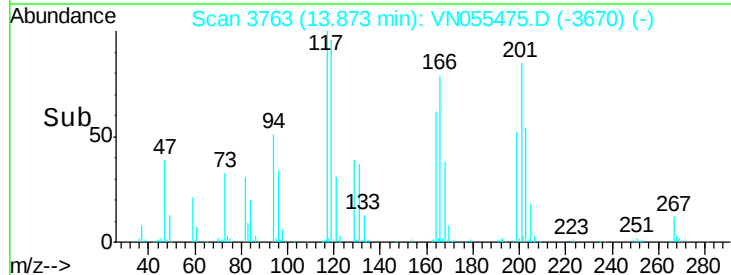
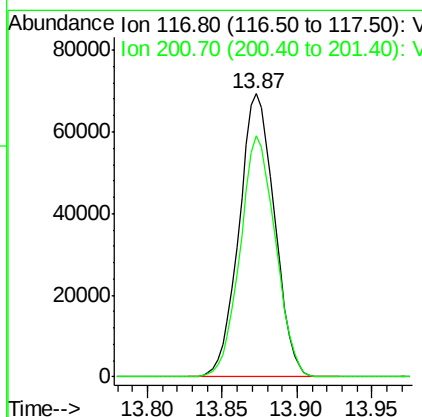
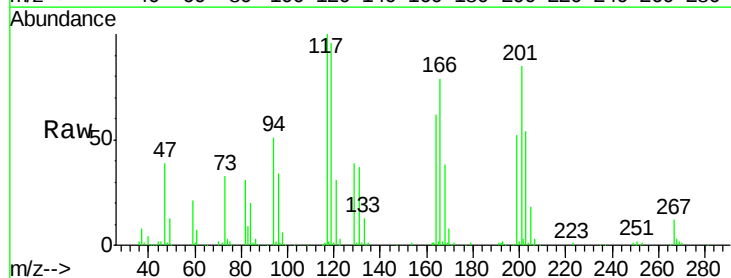
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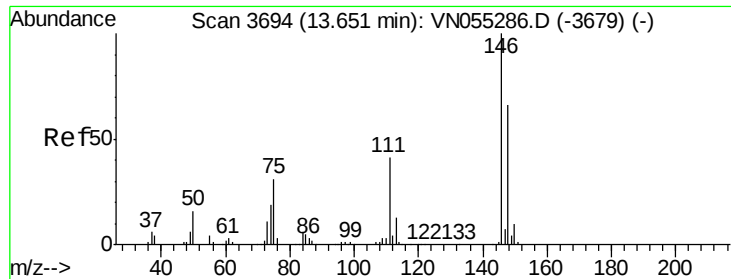
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#90
Hexachloroethane
Concen: 50.669 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055475.D
Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	84.4	41.9	125.8	





#91

1,2-Dichlorobenzene

Concen: 50.598 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

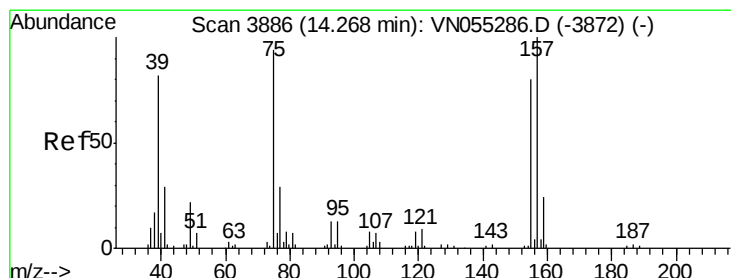
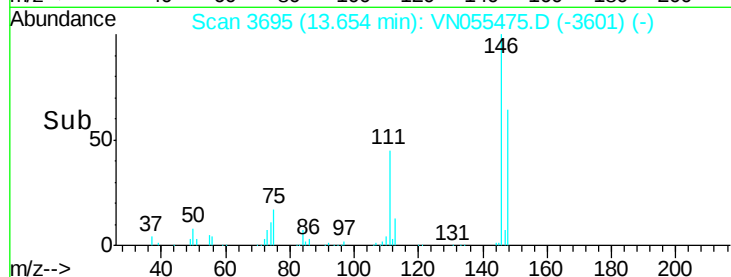
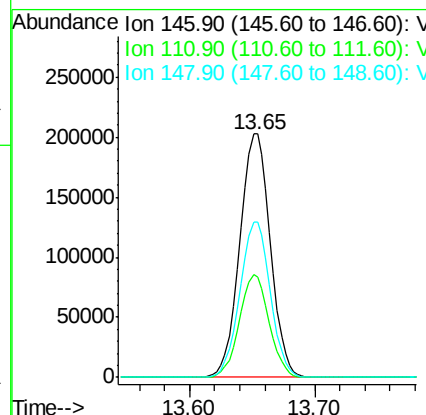
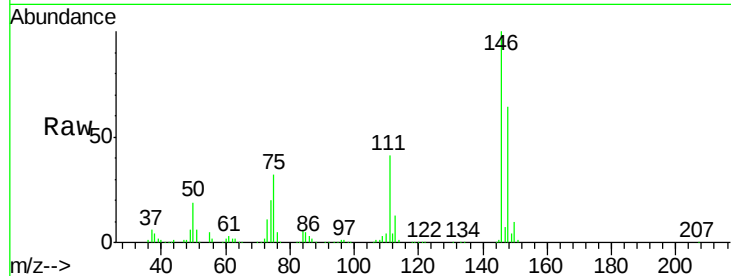
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	342604
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.3	61.0
148	63.5	32.4	97.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 59.046 ug/l

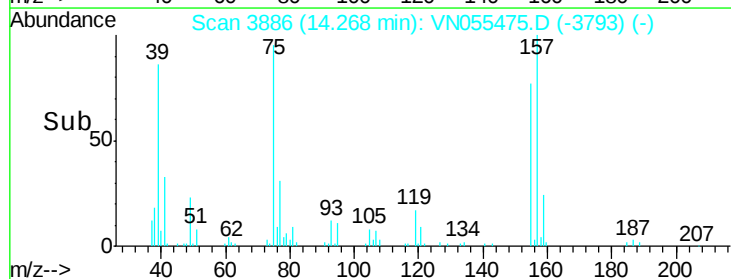
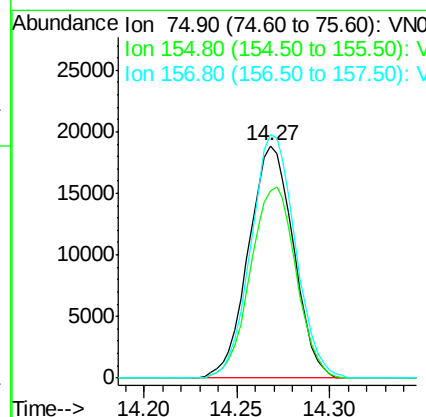
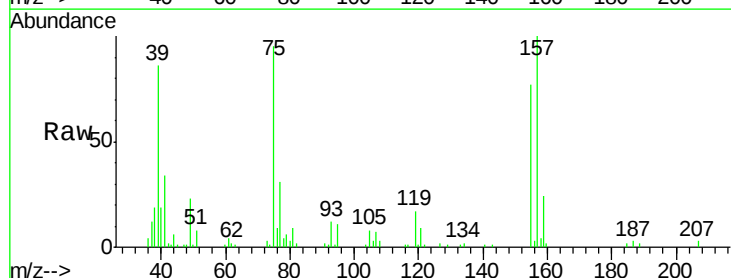
RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Tgt Ion:	75	Resp:	31714
Ion Ratio	Lower	Upper	
75	100		
155	83.5	41.5	124.6
157	103.9	54.0	162.2





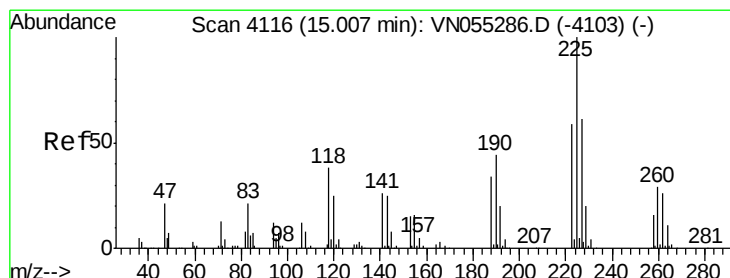
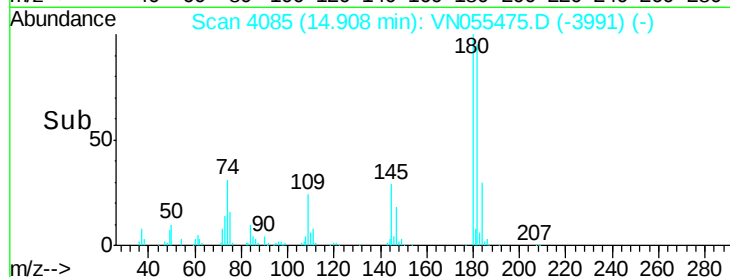
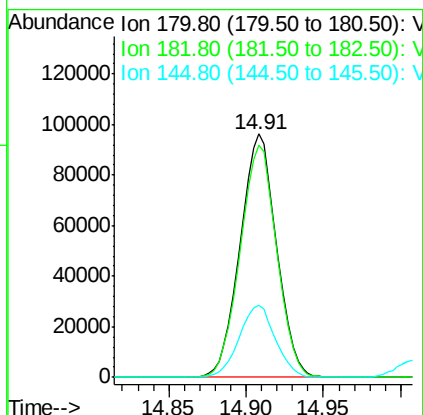
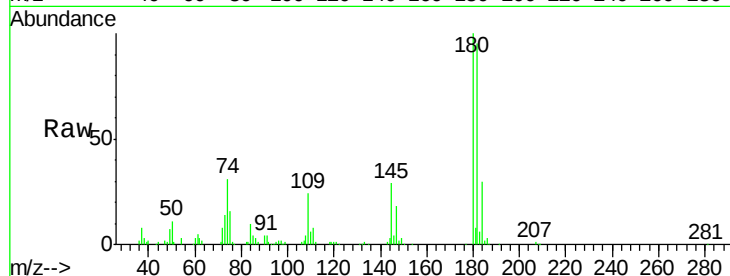
#93
 1,2,4-Trichlorobenzene
 Concen: 58.387 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	157444		
182	95.9	48.3	144.9	
145	29.3	14.2	42.6	

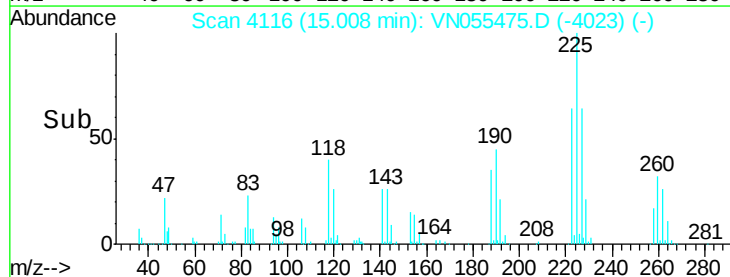
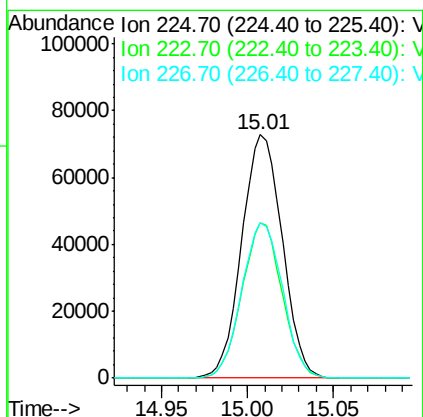
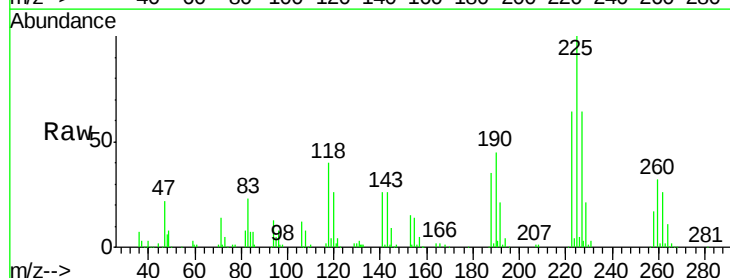
Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:16:57 AM



#94
 Hexachlorobutadiene
 Concen: 59.064 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055475.D
 Acq: 8 May 2019 7:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	119306		
223	63.0	30.3	90.8	
227	64.3	30.9	92.7	





#95

Naphthalene

Concen: 55.236 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Instrument :

MSVOA_N

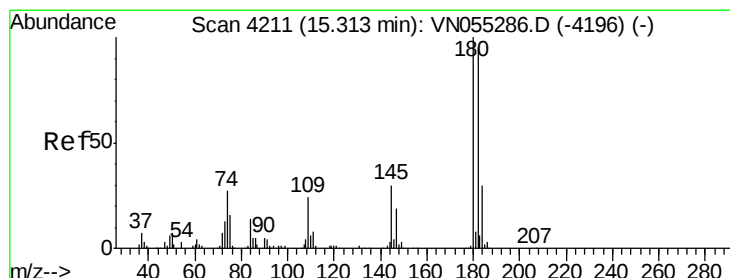
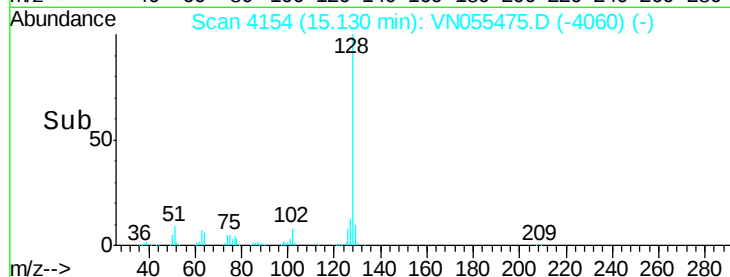
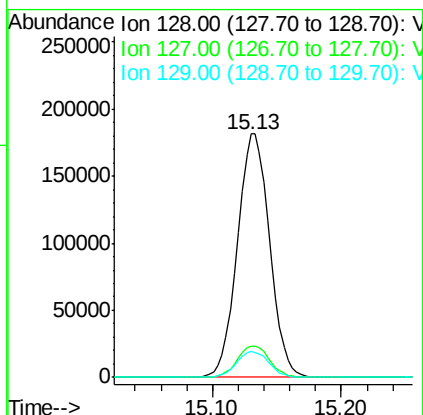
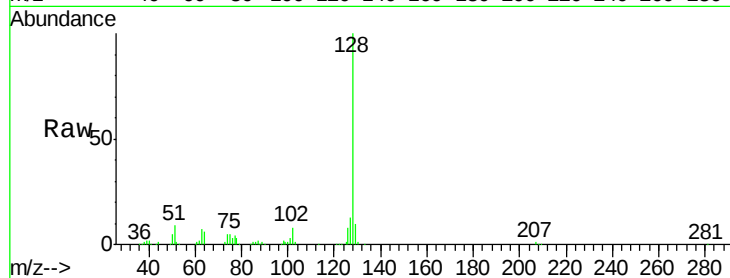
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	315571
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.7	16.1
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:16:57 AM



#96

1,2,3-Trichlorobenzene

Concen: 63.138 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055475.D

Acq: 8 May 2019 7:51

Tgt Ion:	180	Resp:	167883
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.3	144.9
145	30.5	15.2	45.6

