

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050619\
 Data File : VN055427.D
 Acq On : 6 May 2019 20:00
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/7/2019 1:22:51 PM

Quant Time: May 07 02:37:16 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	352166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	582064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	502097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	214980	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	247598	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
35) Dibromofluoromethane	7.59	113	192611	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.09	98	682992	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.40	95	239404	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	199873	46.323	ug/l	99
3) Chloromethane	2.06	50	220524	41.275	ug/l	97
4) Vinyl Chloride	2.19	62	196857	45.709	ug/l	100
5) Bromomethane	2.56	94	107024	46.915	ug/l	94
6) Chloroethane	2.71	64	110012	47.153	ug/l	98
7) Trichlorofluoromethane	3.02	101	289374	47.252	ug/l	100
8) Diethyl Ether	3.41	74	117514	54.847	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	175243	48.054	ug/l	99
10) Methyl Iodide	3.96	142	246140	47.960	ug/l	99
11) Tert butyl alcohol	4.79	59	86728	328.801	ug/l	97
12) 1,1-Dichloroethene	3.74	96	167215	48.067	ug/l	99
13) Acrolein	3.61	56	63430	307.919	ug/l	99
14) Allyl chloride	4.33	41	365578	50.740	ug/l	98
15) Acrylonitrile	4.99	53	437141	294.842	ug/l	100
16) Acetone	3.82	43	346174	241.148	ug/l	100
17) Carbon Disulfide	4.06	76	365187	40.224	ug/l	98
18) Methyl Acetate	4.33	43	226861	65.188	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	560146	57.276	ug/l	99
20) Methylene Chloride	4.56	84	205880	46.987	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	175947	47.756	ug/l	99
22) Diisopropyl ether	5.95	45	780734	54.537	ug/l	95
23) Vinyl Acetate	5.90	43	2716629	289.545	ug/l	99
24) 1,1-Dichloroethane	5.85	63	388490	50.933	ug/l	100
25) 2-Butanone	6.84	43	539800	294.034	ug/l	99
26) 2,2-Dichloropropane	6.83	77	244717	46.462	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	214369	51.165	ug/l	99
28) Bromochloromethane	7.20	49	196970	51.231	ug/l	97
29) Tetrahydrofuran	7.21	42	364943	310.446	ug/l	99
30) Chloroform	7.37	83	374039	51.731	ug/l	99
31) Cyclohexane	7.65	56	330854	45.655	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	294061	50.111	ug/l	99
36) 1,1-Dichloropropene	7.80	75	256742	46.050	ug/l	99
37) Ethyl Acetate	6.93	43	235812	55.187	ug/l	99
38) Carbon Tetrachloride	7.78	117	242695	45.126	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	288713	48.706	ug/l	97
40) Benzene	8.04	78	787050	47.887	ug/l	100
41) Methacrylonitrile	7.17	41	139196	60.040	ug/l	95
42) 1,2-Dichloroethane	8.13	62	290662	49.932	ug/l	99
43) Isopropyl Acetate	8.17	43	419608	61.106	ug/l	97
44) Trichloroethene	8.84	130	199755	47.675	ug/l	99
45) 1,2-Dichloropropane	9.12	63	237555	50.114	ug/l	99
46) Dibromomethane	9.21	93	131880	50.898	ug/l	98
47) Bromodichloromethane	9.40	83	282013	50.735	ug/l	99
48) Methyl methacrylate	9.20	41	191567	56.747	ug/l	98
49) 1,4-Dioxane	9.20	88	43738	1253.355	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1160429	300.148	ug/l	100
52) Toluene	10.16	92	466036	49.419	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	260639	54.014	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	316357	52.583	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	185379	52.938	ug/l	99
56) Ethyl methacrylate	10.43	69	251571	58.366	ug/l	99
57) 1,3-Dichloropropane	10.71	76	324149	52.766	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	301827	226.846	ug/l	100
59) 2-Hexanone	10.75	43	734454	303.617	ug/l	99
60) Dibromochloromethane	10.90	129	194999	54.484	ug/l	100
61) 1,2-Dibromoethane	11.01	107	174563	53.932	ug/l	99
64) Tetrachloroethene	10.63	164	200202	48.758	ug/l	98
65) Chlorobenzene	11.43	112	472172	48.099	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	188634	49.074	ug/l	99
67) Ethyl Benzene	11.51	91	881492	49.726	ug/l	98
68) m/p-Xylenes	11.62	106	643677	101.727	ug/l	99
69) o-Xylene	11.95	106	319504	50.944	ug/l	99
70) Styrene	11.96	104	523729	54.388	ug/l	99
71) Bromoform	12.13	173	122050	57.222	ug/l #	100
73) Isopropylbenzene	12.25	105	862703	50.463	ug/l	100
74) N-amyl acetate	12.07	43	311093	56.386	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	227605	53.668	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	206431m	51.748	ug/l	
77) Bromobenzene	12.53	156	203640	49.640	ug/l	97
78) n-propylbenzene	12.59	91	969285	43.893	ug/l	100
79) 2-Chlorotoluene	12.67	91	591354	50.798	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	733476	43.520	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	55169	48.632	ug/l	98
82) 4-Chlorotoluene	12.77	91	570933	44.466	ug/l	99
83) tert-Butylbenzene	12.99	119	629370	52.929	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	708842	47.027	ug/l	99
85) sec-Butylbenzene	13.17	105	828103	45.206	ug/l	99
86) p-Isopropyltoluene	13.29	119	724889	48.146	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	341256	47.438	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	326039	48.127	ug/l	99
89) n-Butylbenzene	13.61	91	572991	53.557	ug/l	99
90) Hexachloroethane	13.87	117	118511	49.703	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	345375	48.440	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34744	61.431	ug/l	99

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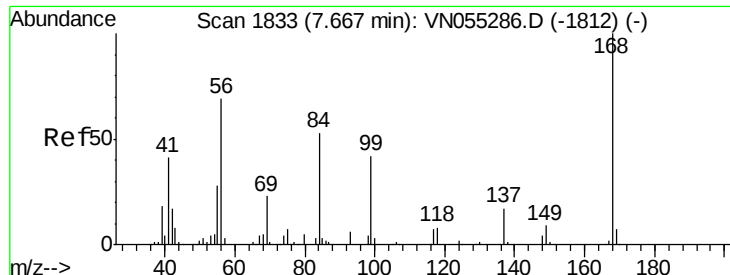
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	143220	50.889	ug/l	97
94) Hexachlorobutadiene	15.01	225	124375	58.444	ug/l	95
95) Naphthalene	15.13	128	285729	47.962	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	147442	53.093	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 352166

Ion Ratio Lower Upper

168 100

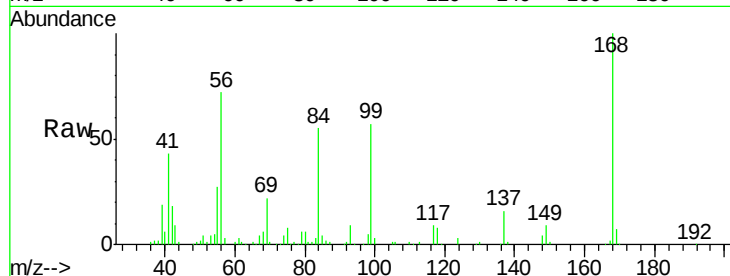
99 55.5 43.6 65.4

Manual Integrations

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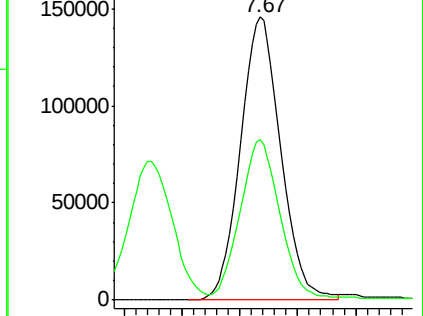
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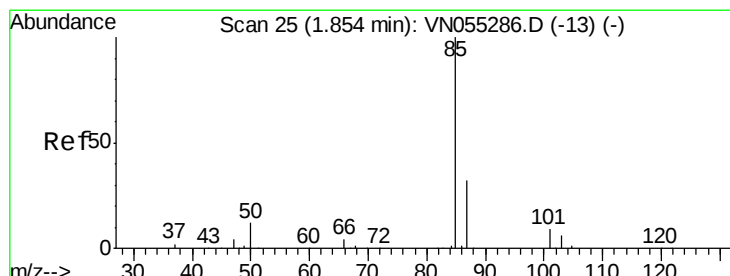
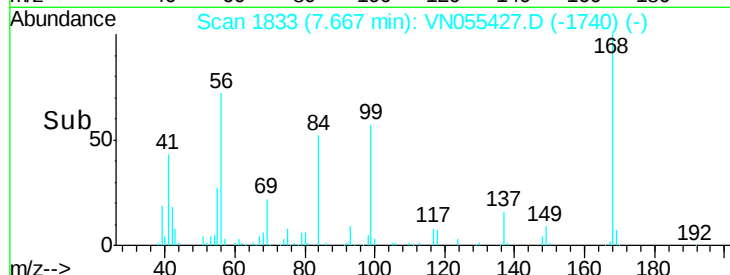


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



Time-->



#2

Dichlorodifluoromethane

Concen: 46.323 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055427.D

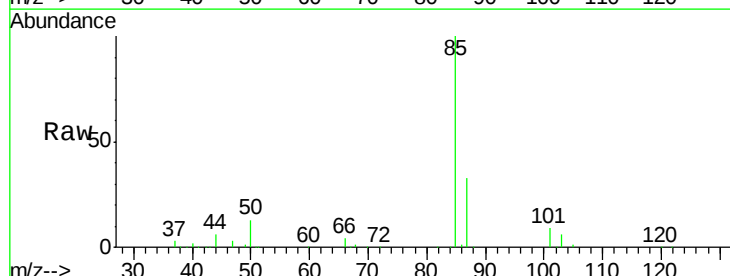
Acq: 6 May 2019 20:00

Tgt Ion: 85 Resp: 199873

Ion Ratio Lower Upper

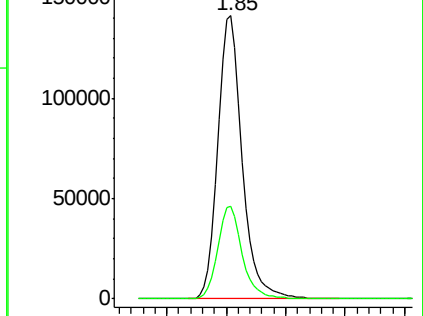
85 100

87 32.8 16.1 48.3

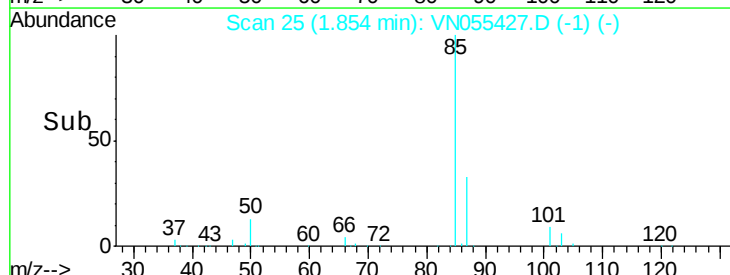


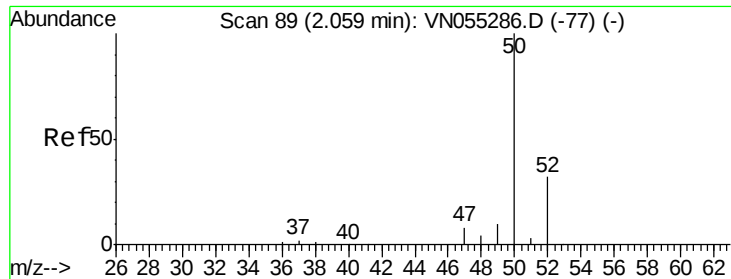
Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO



Time-->





#3

Chloromethane

Concen: 41.275 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 220524

Ion Ratio Lower Upper

50 100

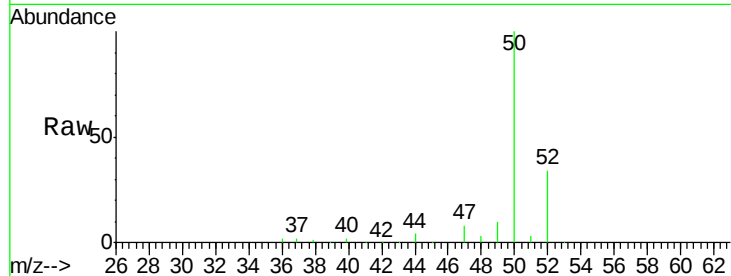
52 33.5 25.7 38.5

Manual Integrations

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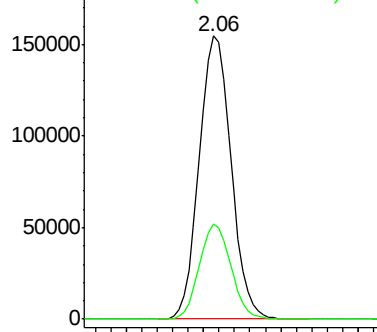
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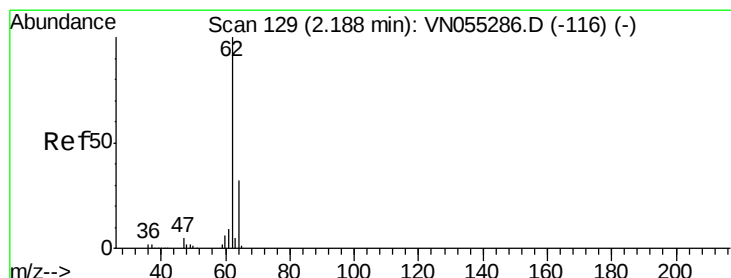
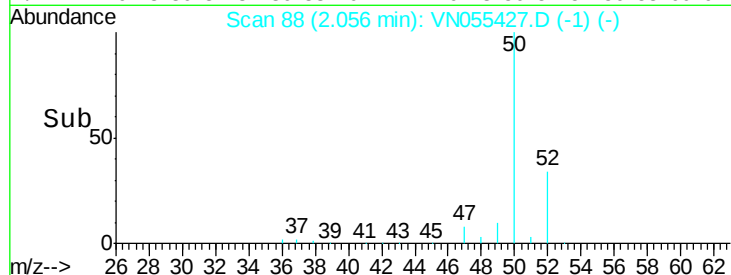


Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



Time-->



#4

Vinyl Chloride

Concen: 45.709 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055427.D

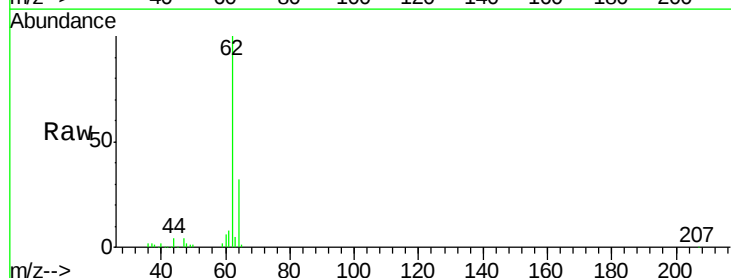
Acq: 6 May 2019 20:00

Tgt Ion: 62 Resp: 196857

Ion Ratio Lower Upper

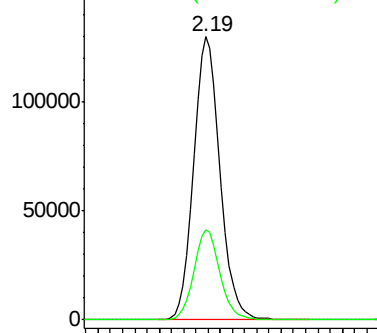
62 100

64 31.7 25.5 38.3

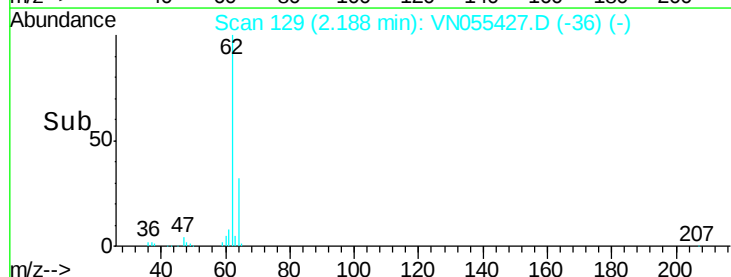


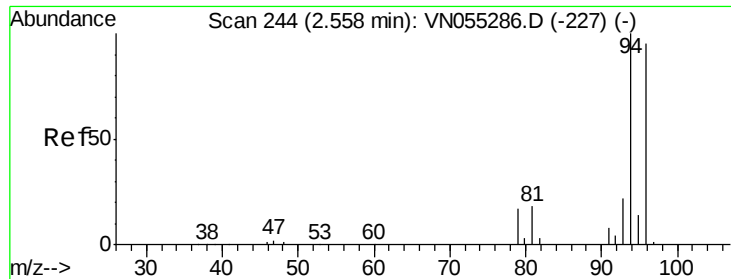
Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



Time-->





#5

Bromomethane

Concen: 46.915 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 107024

Ion Ratio Lower Upper

94 100

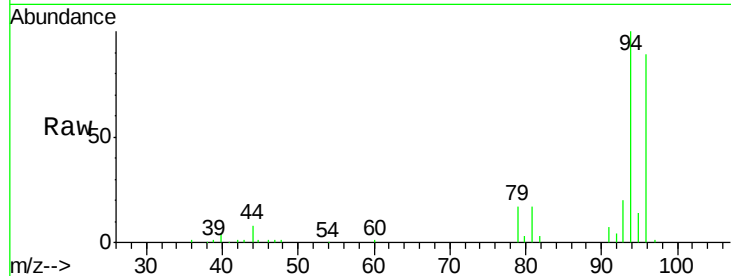
96 88.9 76.0 114.0

Manual Integrations

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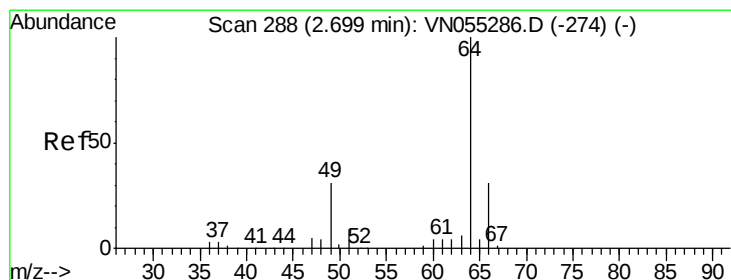
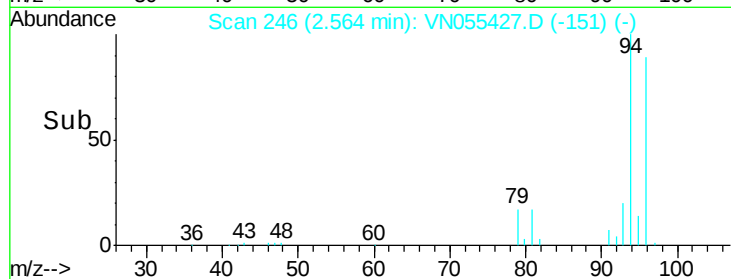
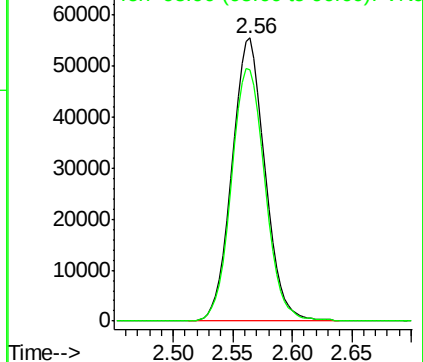
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.153 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055427.D

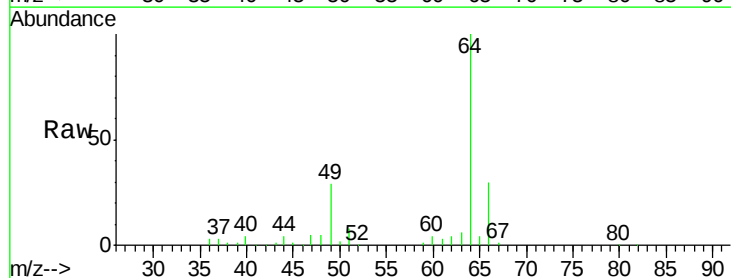
Acq: 6 May 2019 20:00

Tgt Ion: 64 Resp: 110012

Ion Ratio Lower Upper

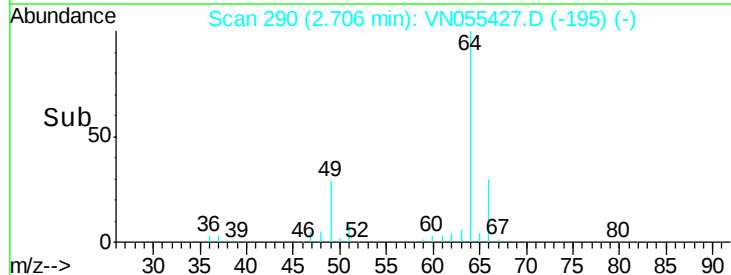
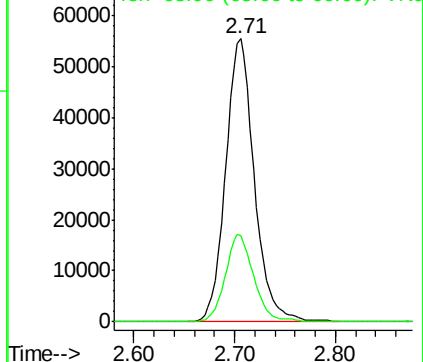
64 100

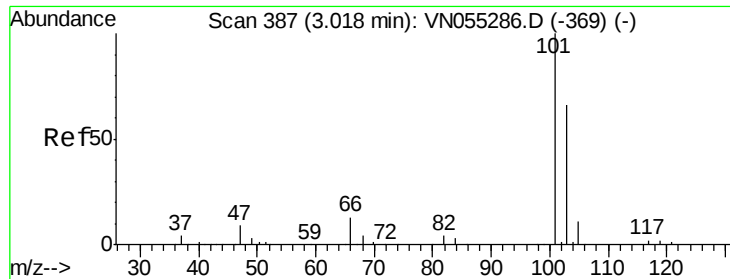
66 30.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

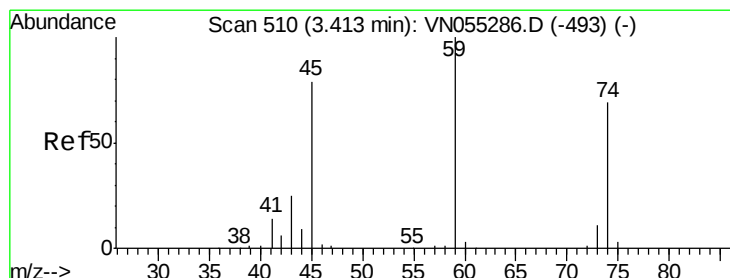
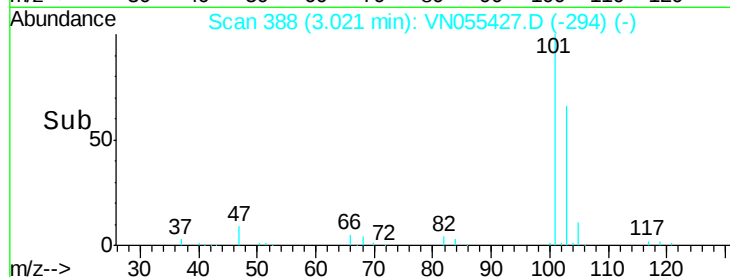
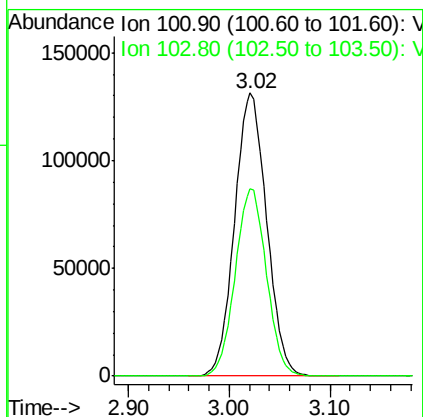
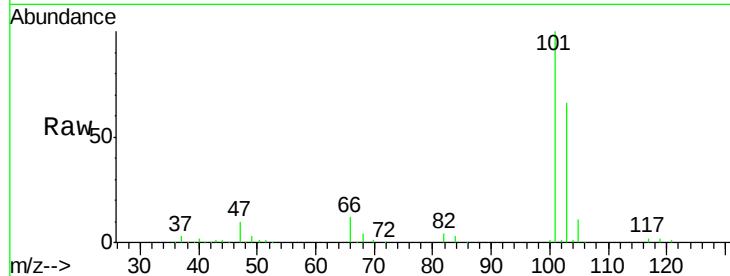
Trichlorofluoromethane
Concen: 47.252 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
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VSTDCCC050EC

Tot Ion:101 Resp: 289374
Ion Ratio Lower Upper
101 100
103 66.1 52.6 79.0

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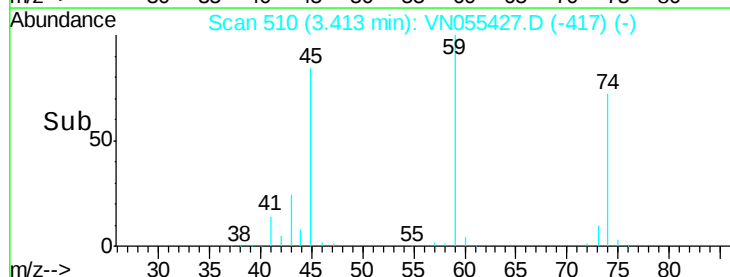
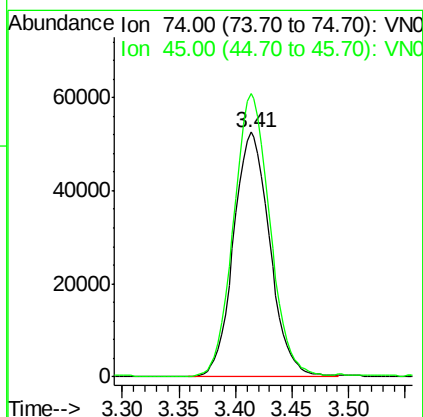
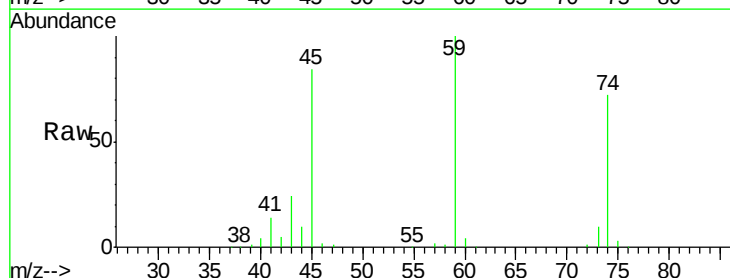
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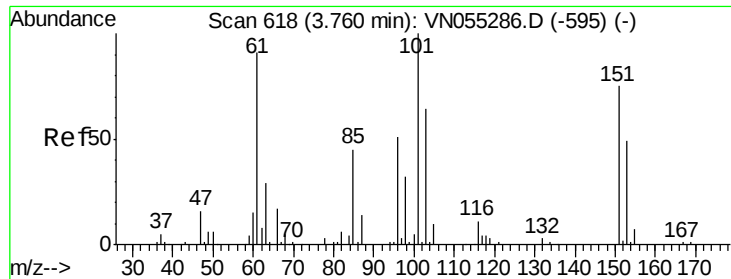


#8

Diethyl Ether
Concen: 54.847 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion: 74 Resp: 117514
Ion Ratio Lower Upper
74 100
45 116.1 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.054 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

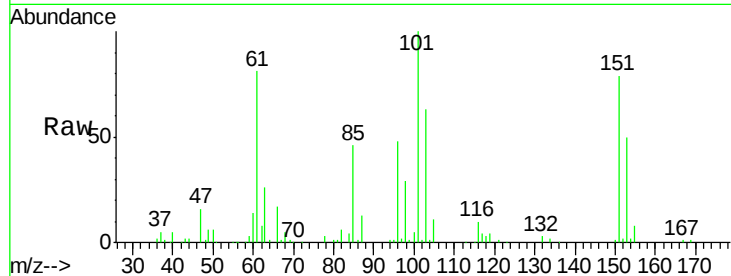
ClientSampleId :

VSTDCCC050EC

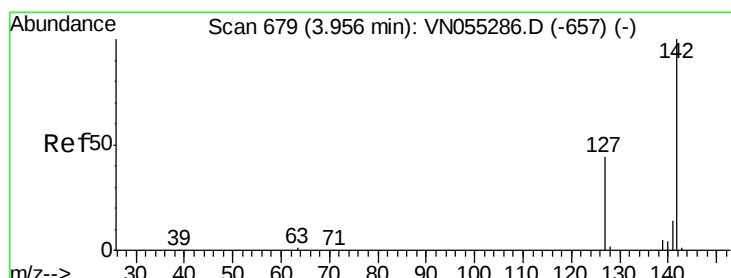
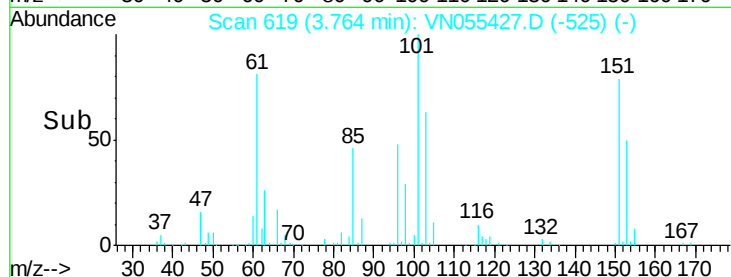
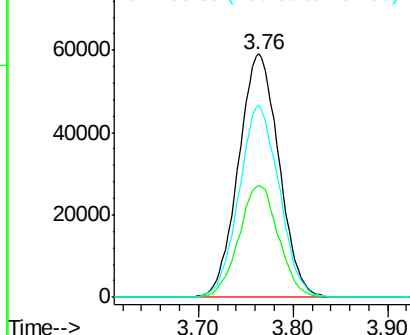
Tot Ion:	101	Resp:	175243
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.7	53.5
151	78.5	63.3	94.9

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



#10

Methyl Iodide

Concen: 47.960 ug/l

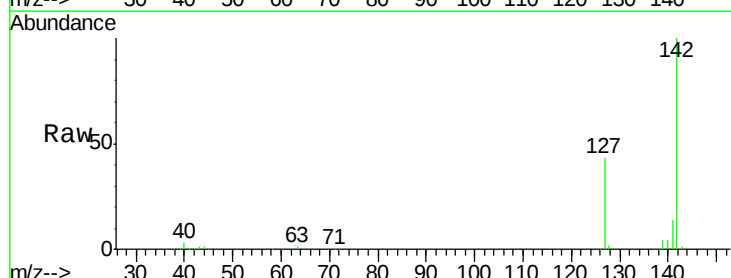
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

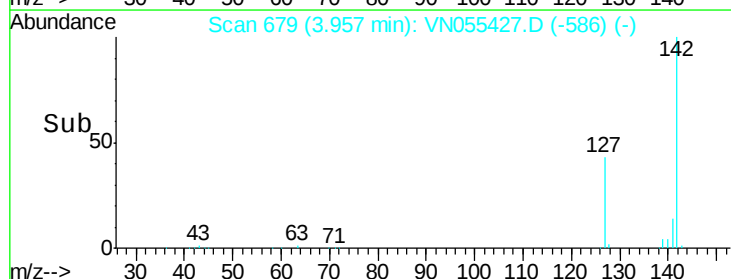
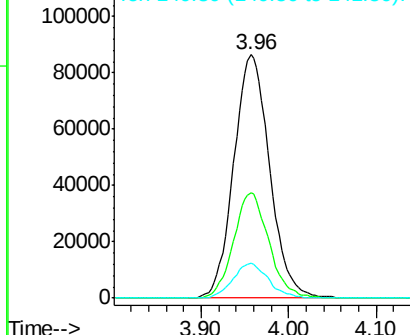
Lab File: VN055427.D

Acq: 6 May 2019 20:00

Tgt Ion:	142	Resp:	246140
Ion Ratio	Lower	Upper	
142	100		
127	42.6	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





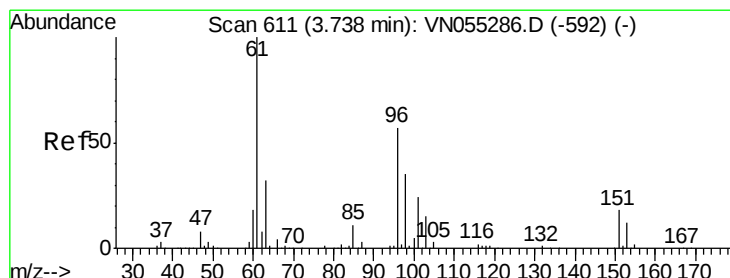
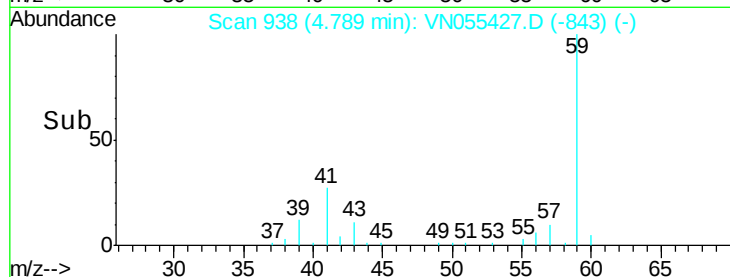
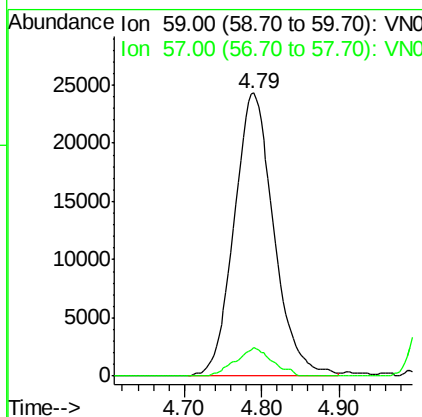
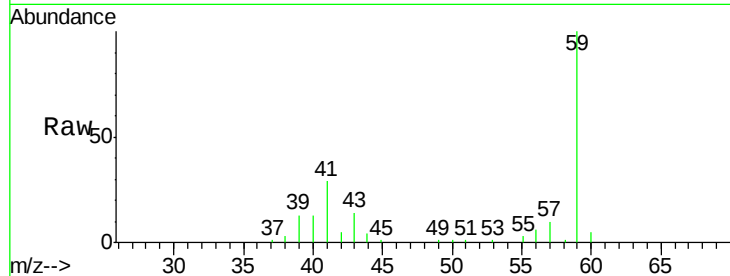
#11
Tert butyl alcohol
Concen: 328.801 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.01 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	9.2	Resp	86728	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	9.2	Resp	86728	Lower	8.2	Upper	12.2

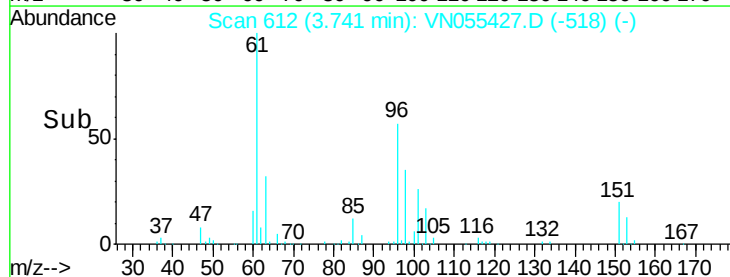
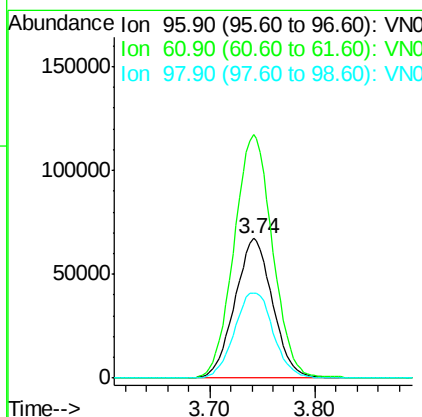
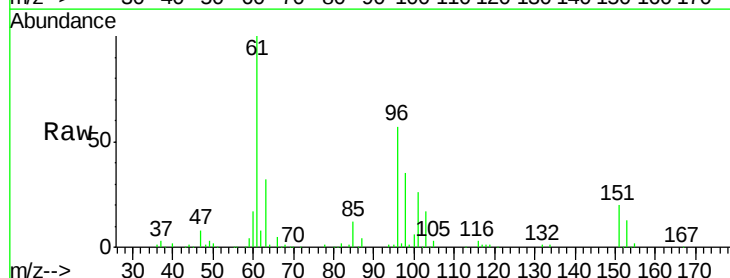
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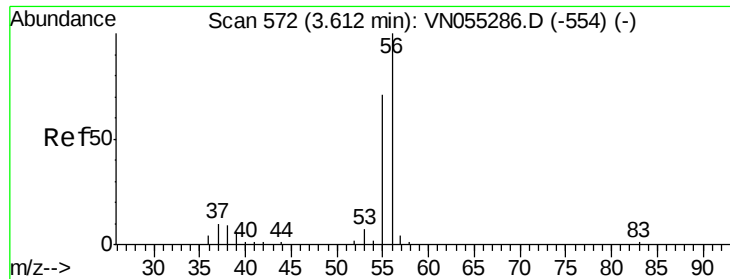
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.067 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion	96	61	98	Ratio	100	174.4	61.2	Resp	167215	Lower	140.9	Upper	211.3	75.0
Ion	96	61	98	Ratio	100	174.4	61.2	Resp	167215	Lower	140.9	Upper	211.3	75.0





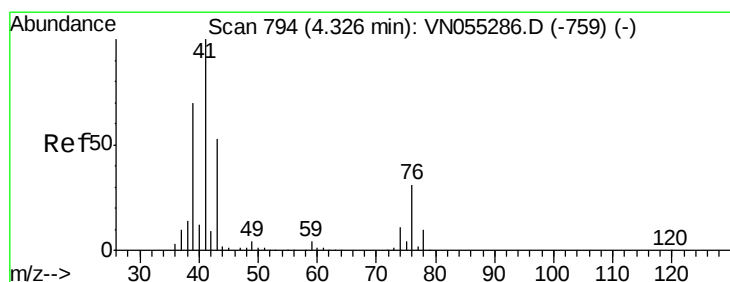
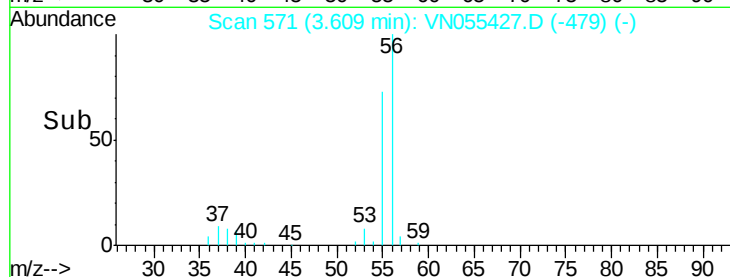
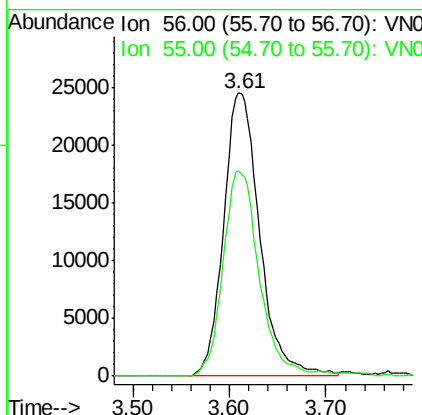
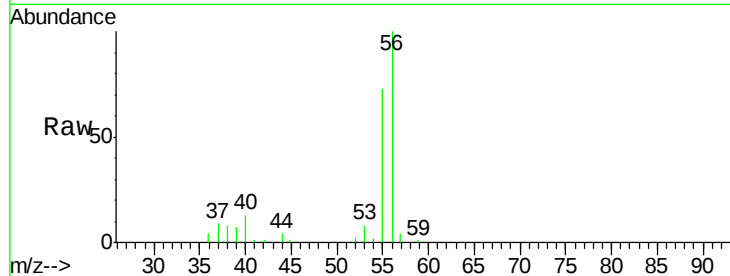
#13
Acrolein
Concen: 307.919 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	63430
Ion Ratio	100	Lower	Upper
55	72.3	57.4	86.2

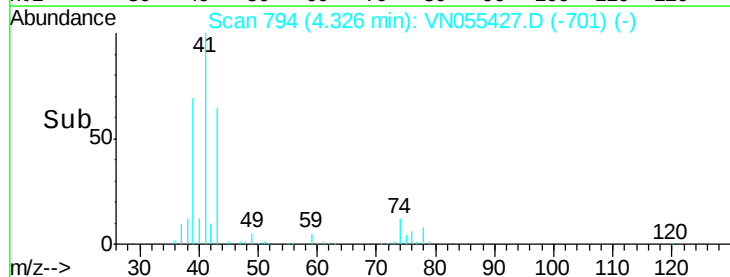
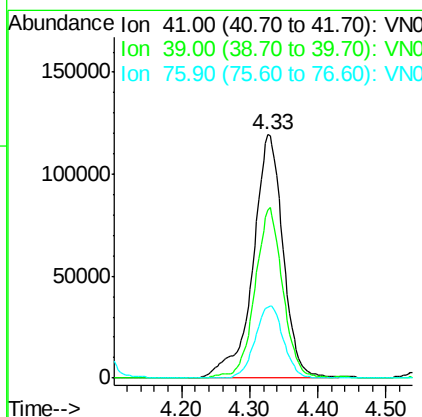
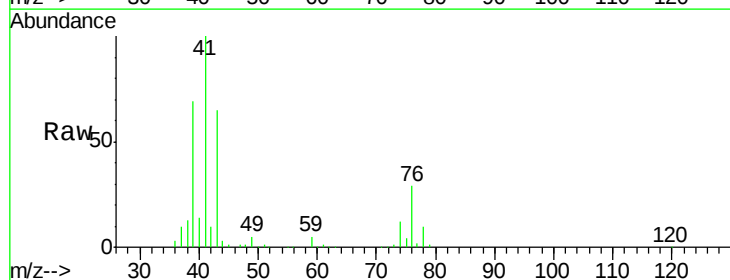
Manual Integrations
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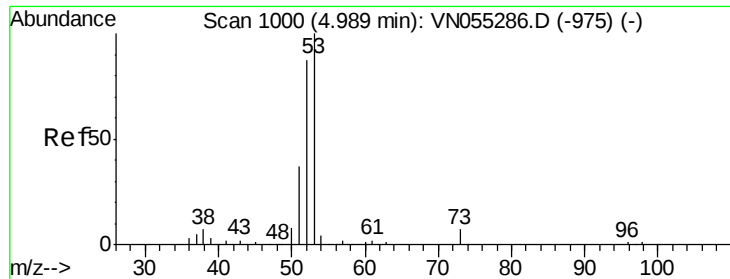
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#14
Allyl chloride
Concen: 50.740 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion	41	Resp	365578
Ion Ratio	100	Lower	Upper
39	64.3	53.0	79.6
76	27.9	22.7	34.1





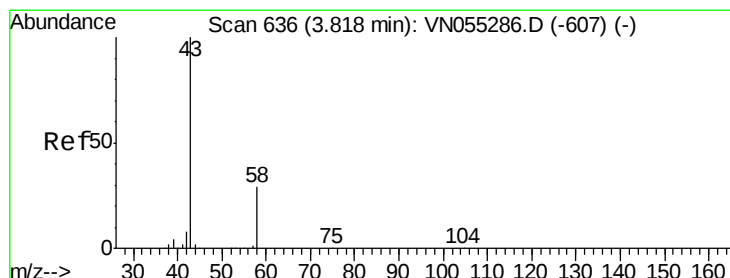
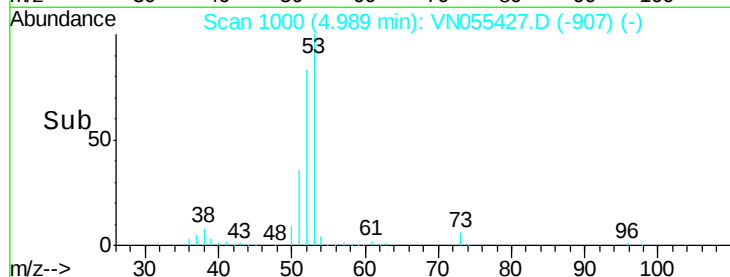
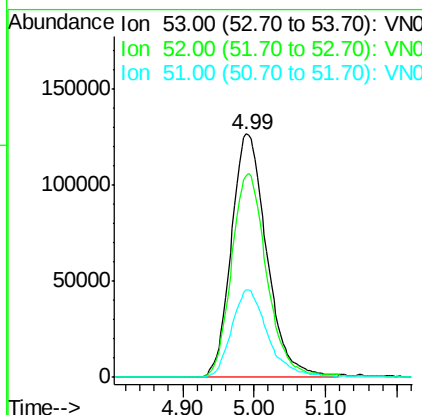
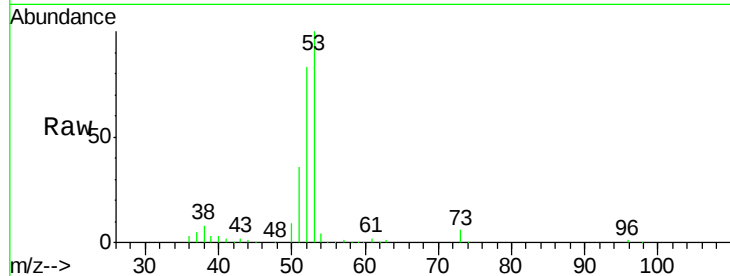
#15
 Acrylonitrile
 Concen: 294.842 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	83.3	66.5	99.7	
51	36.6	29.6	44.4	

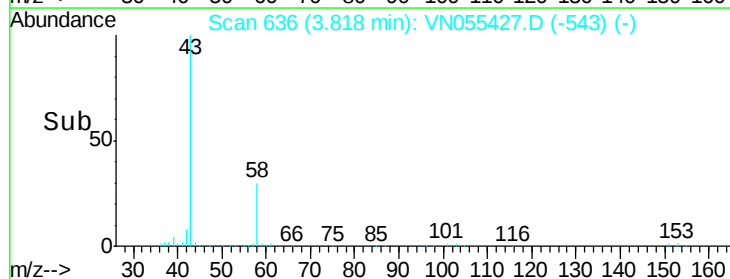
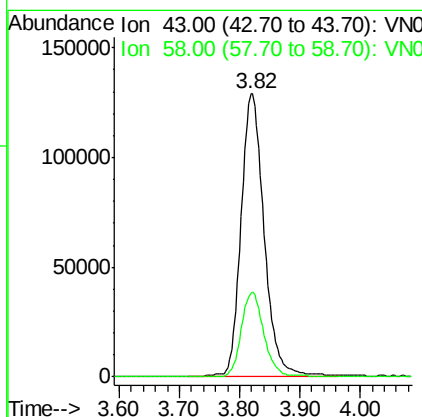
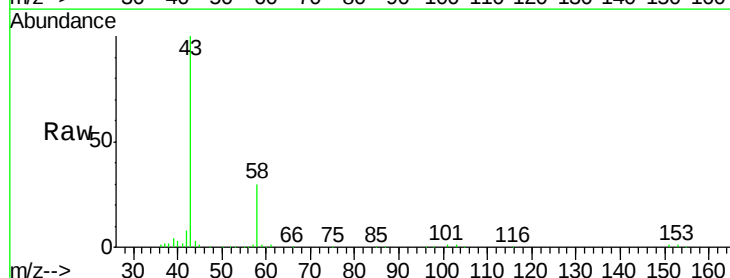
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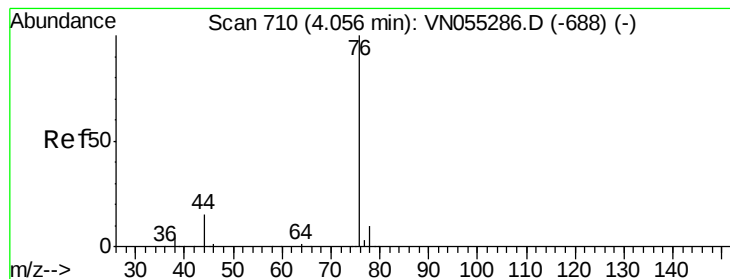
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#16
 Acetone
 Concen: 241.148 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	29.6	23.6	35.4	





#17

Carbon Disulfide

Concen: 40.224 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Tot Ion: 76 Resp: 365187

Ion Ratio Lower Upper

76 100

78 8.8 7.6 11.4

Instrument :

MSVOA_N

ClientSampleId :

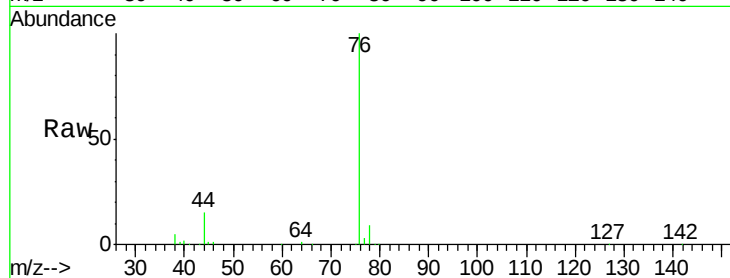
VSTDCCC050EC

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.06

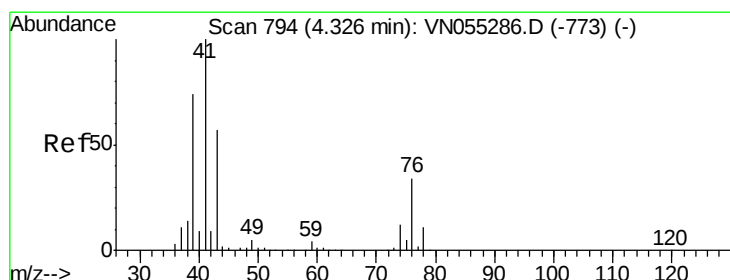
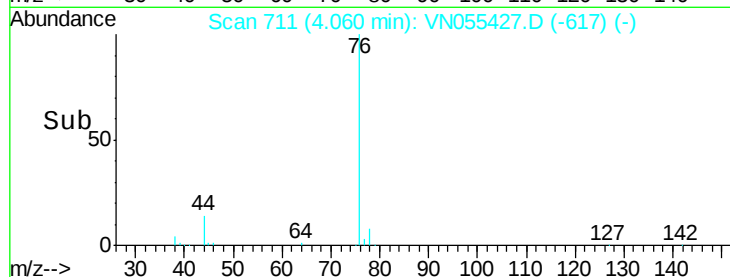
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 65.188 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055427.D

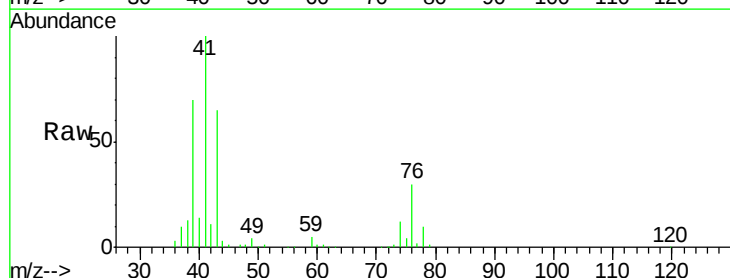
Acq: 6 May 2019 20:00

Tgt Ion: 43 Resp: 226861

Ion Ratio Lower Upper

43 100

74 19.5 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.33

80000

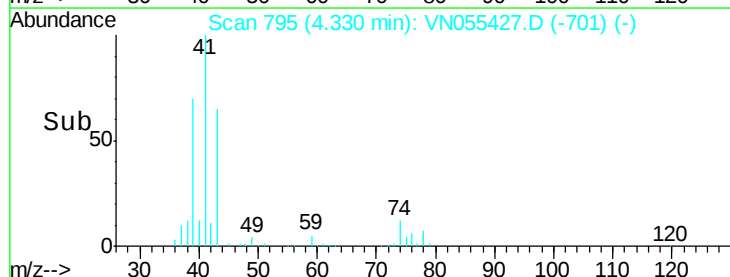
60000

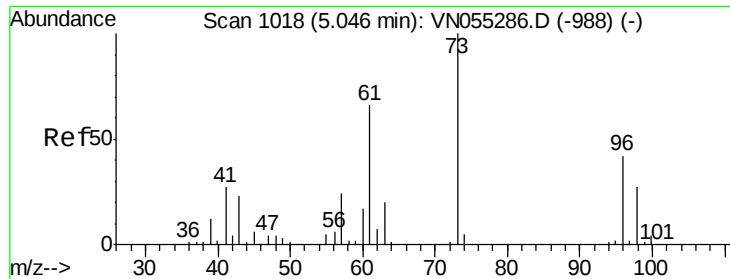
40000

20000

0

Time-->





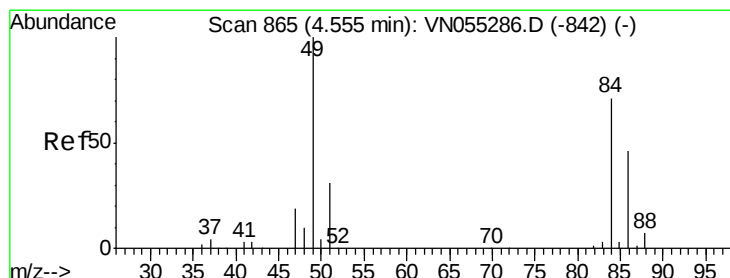
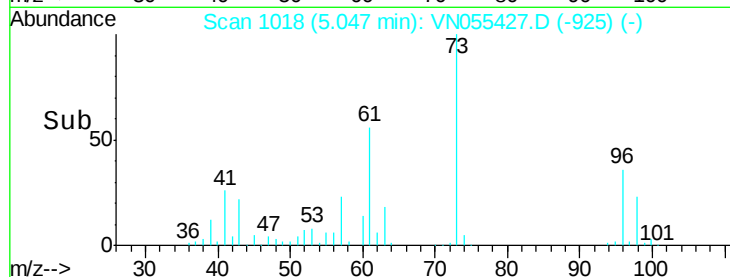
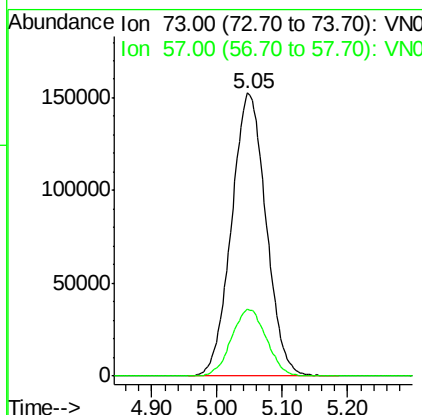
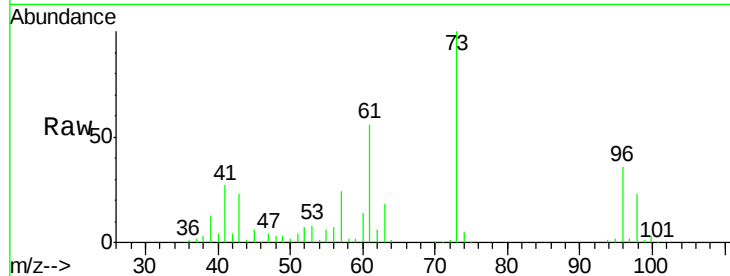
#19
Methyl tert-butyl Ether
Concen: 57.276 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 560146
Ion Ratio Lower Upper
73 100
57 23.6 19.1 28.7

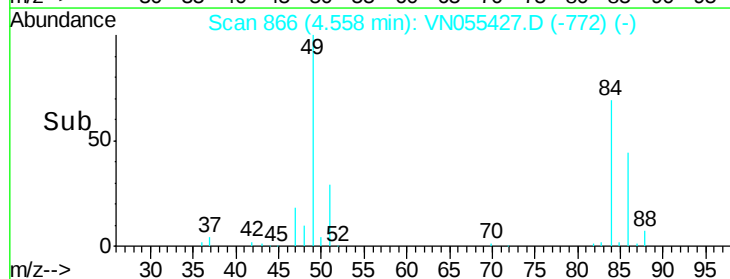
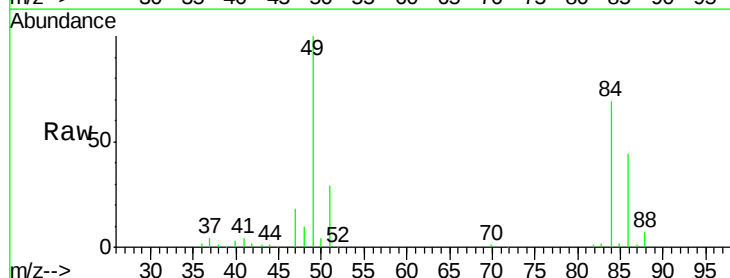
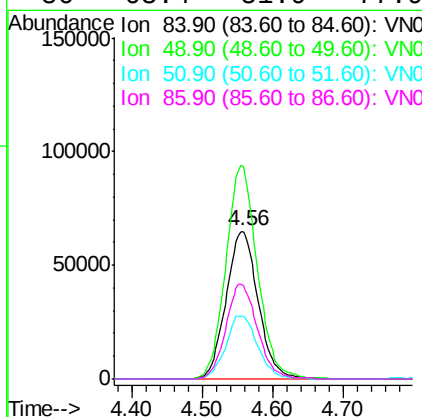
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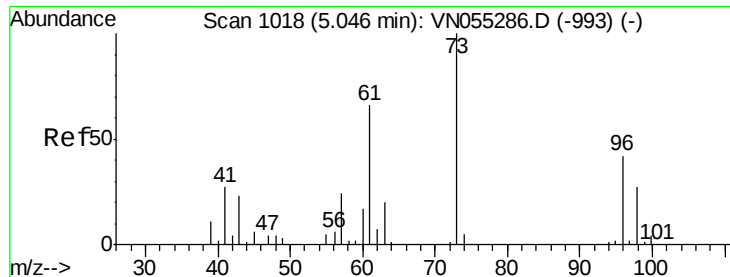
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#20
Methylene Chloride
Concen: 46.987 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion: 84 Resp: 205880
Ion Ratio Lower Upper
84 100
49 144.0 112.4 168.6
51 42.3 34.6 51.8
86 63.4 51.9 77.9





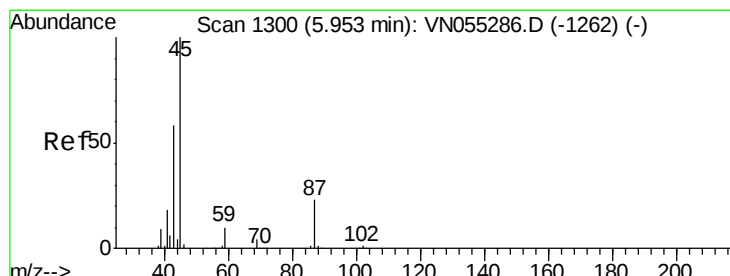
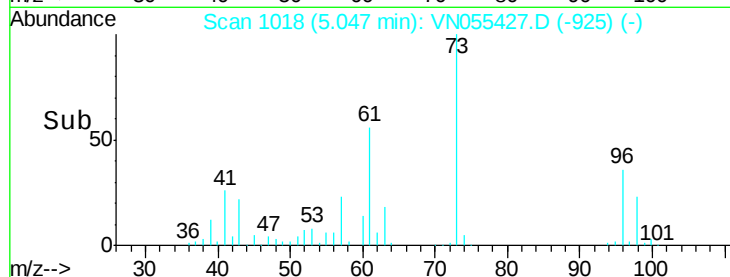
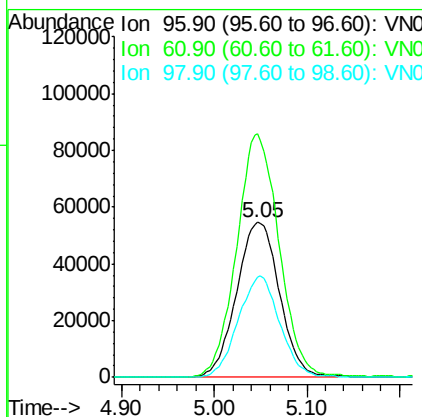
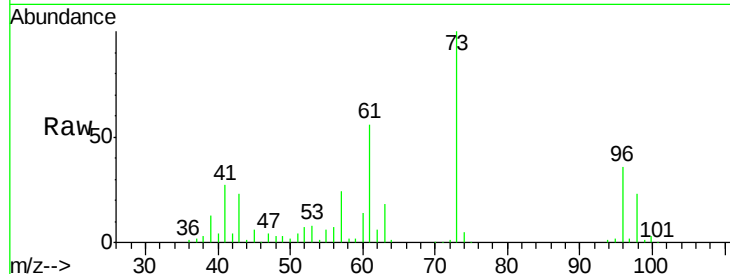
#21
trans-1,2-Dichloroethene
Concen: 47.756 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.9	126.2	189.4
98	64.8	52.2	78.2

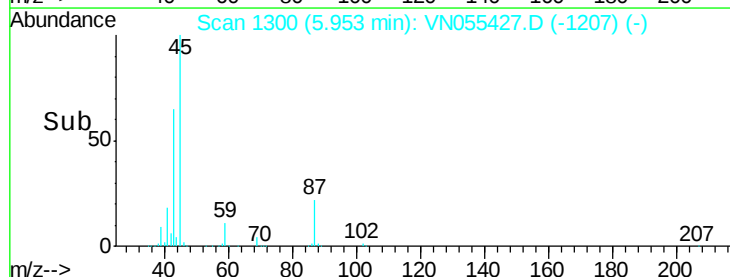
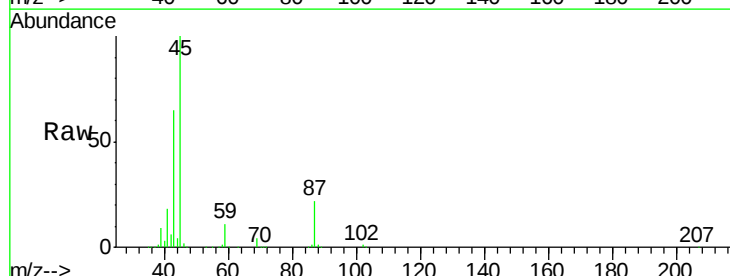
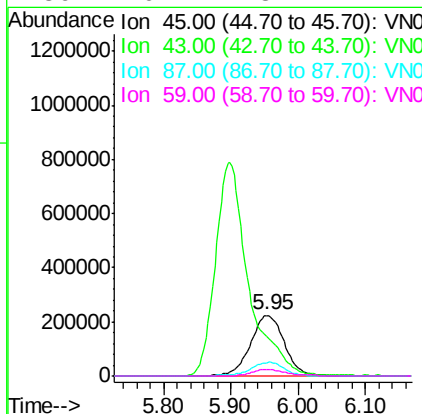
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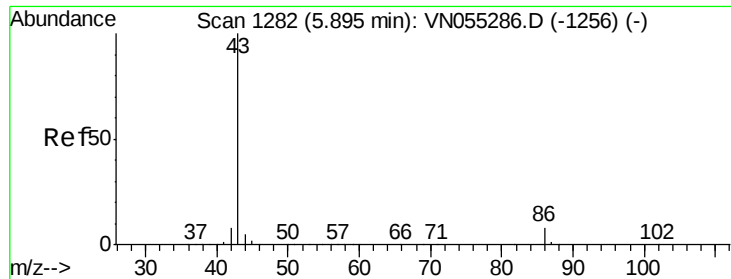
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#22
Diisopropyl ether
Concen: 54.537 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.8	46.6	70.0
87	21.8	18.1	27.1
59	10.4	8.2	12.2





#23

Vinyl Acetate

Concen: 289.545 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2716629

Ion Ratio Lower Upper

43 100

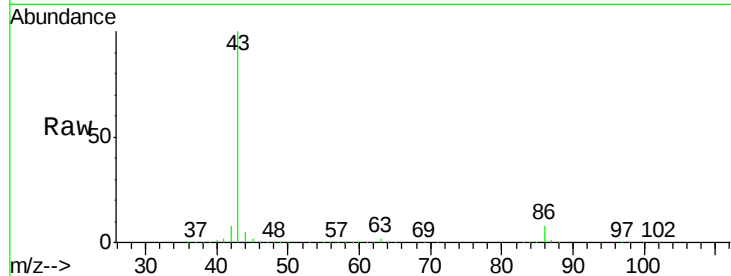
86 8.1 6.6 10.0

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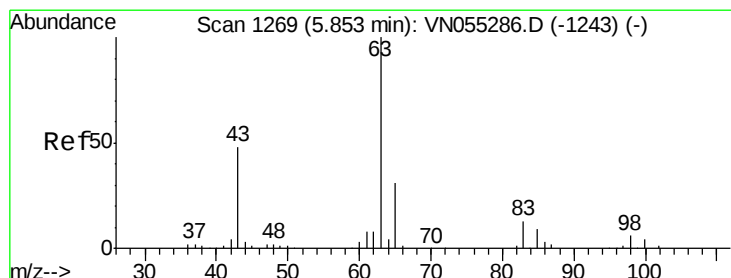
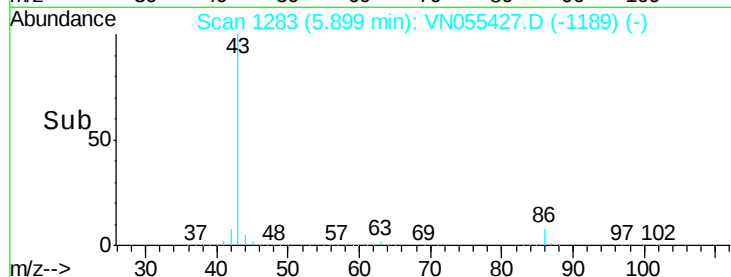
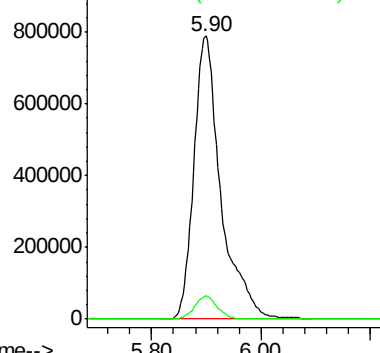
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.933 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

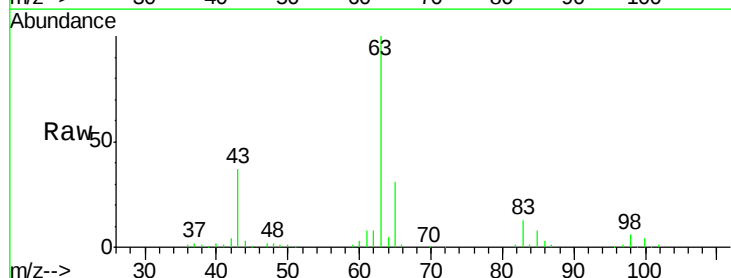
Tgt Ion: 63 Resp: 388490

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

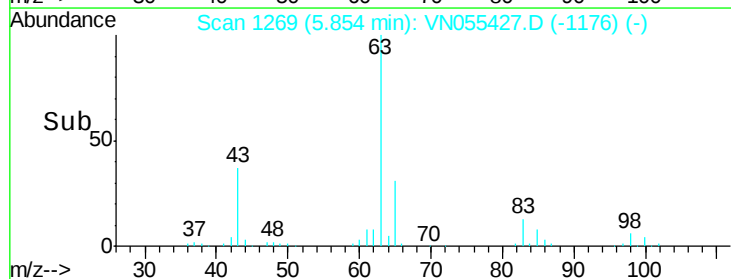
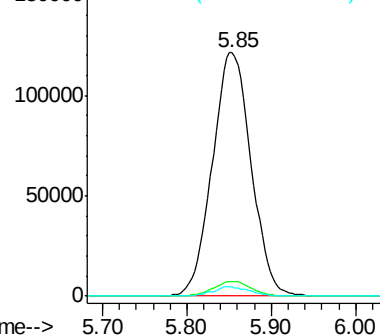
100 3.9 1.8 5.4

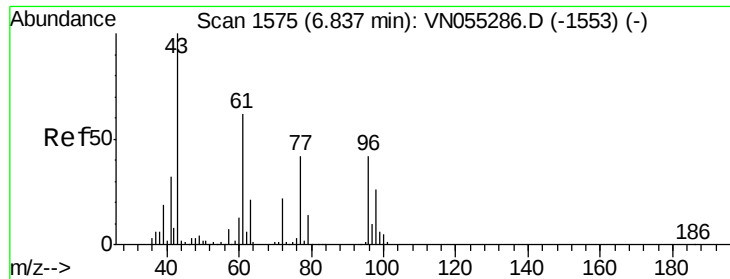


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 294.034 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 539800

Ion Ratio Lower Upper

43 100

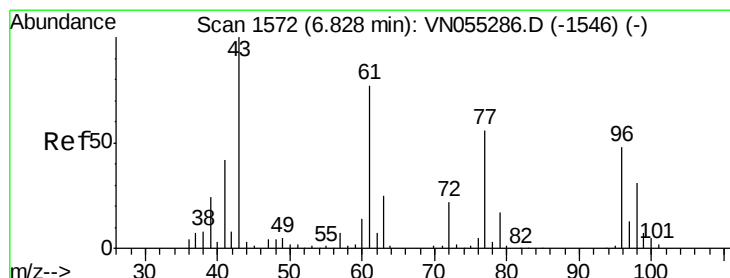
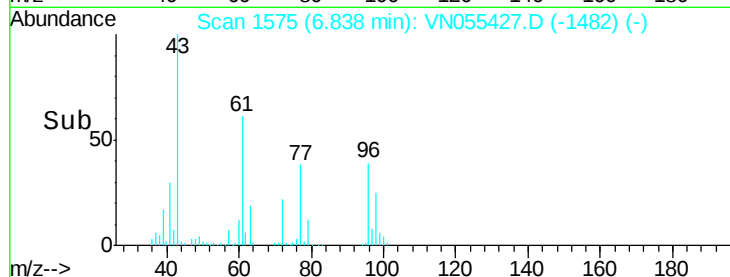
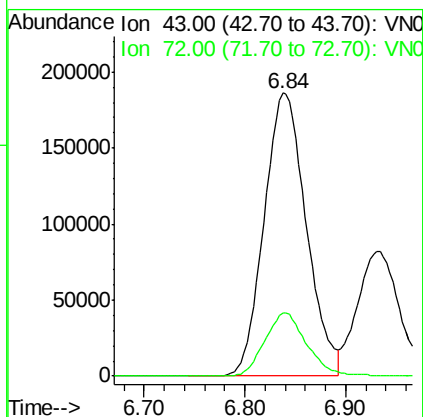
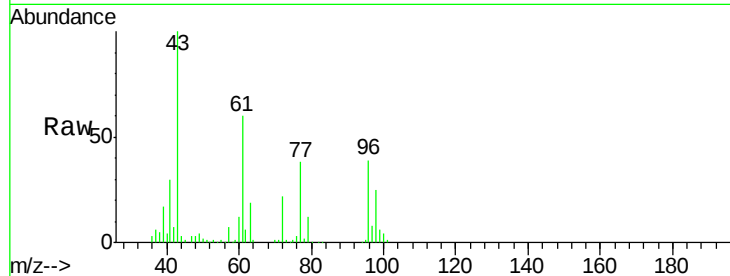
72 22.3 18.0 27.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.462 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055427.D

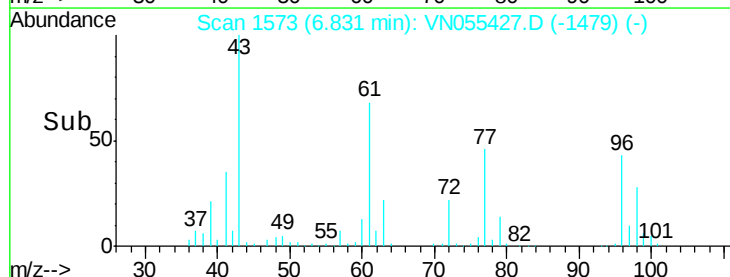
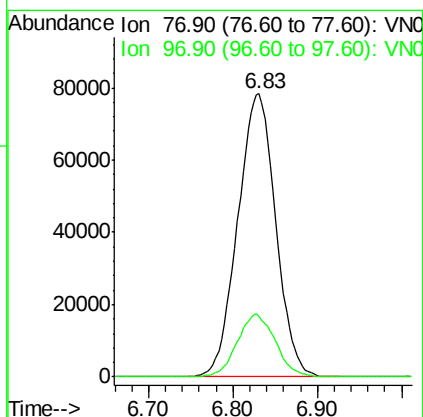
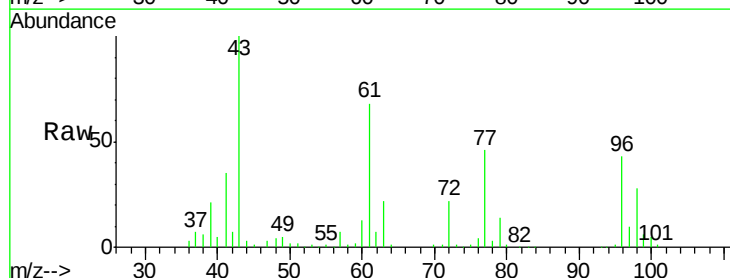
Acq: 6 May 2019 20:00

Tgt Ion: 77 Resp: 244717

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 51.165 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

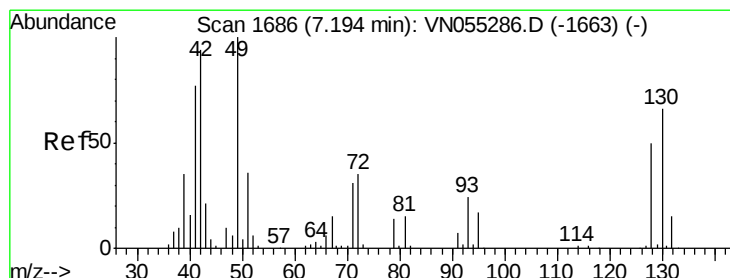
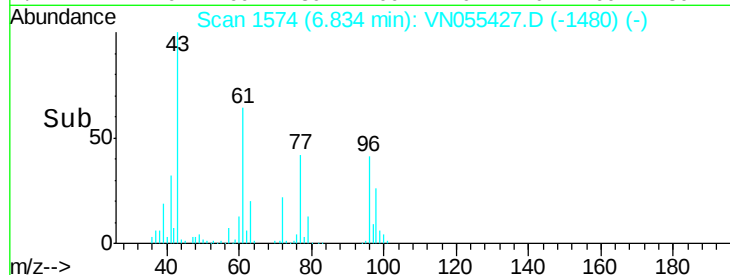
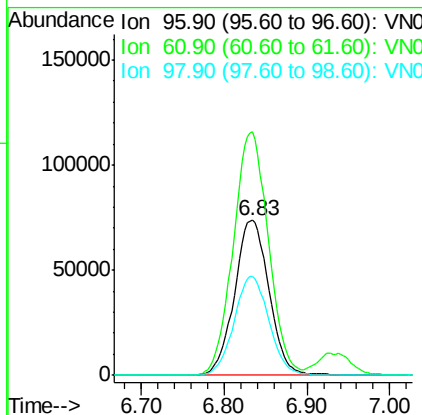
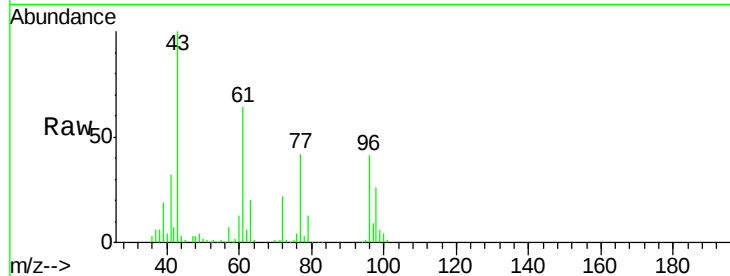
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	214369
Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	316.2
98	64.5	0.0	126.6

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#28

Bromochloromethane

Concen: 51.231 ug/l

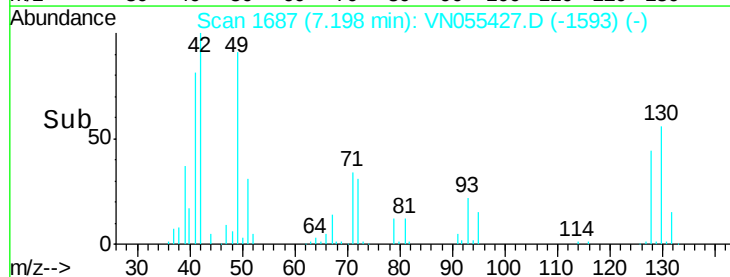
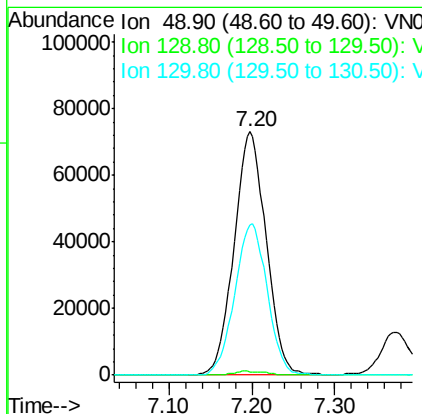
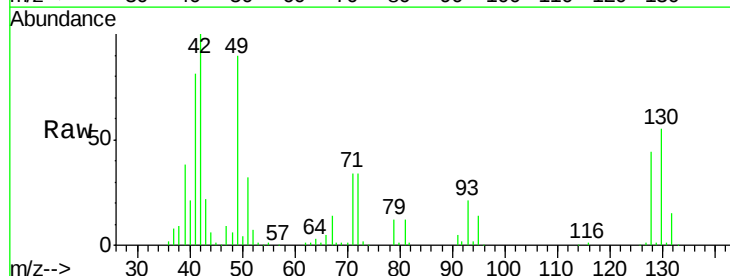
RT: 7.20 min Scan# 1687

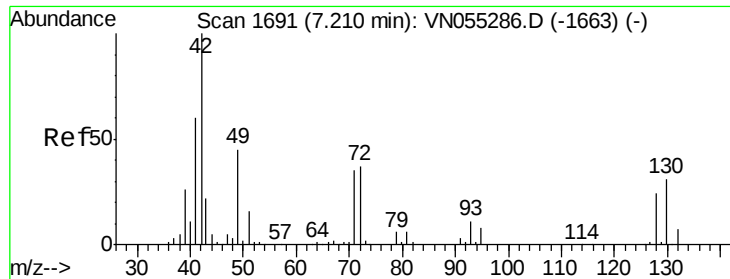
Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Tgt Ion:	49	Resp:	196970
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.4
130	62.6	52.0	78.0





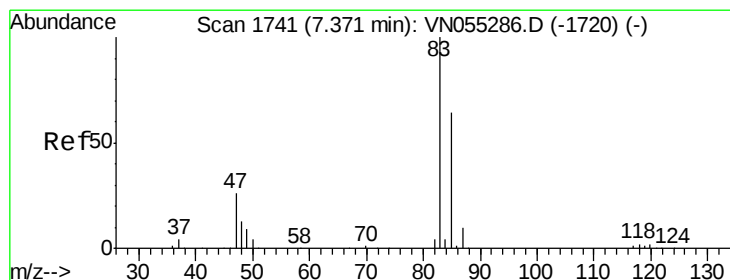
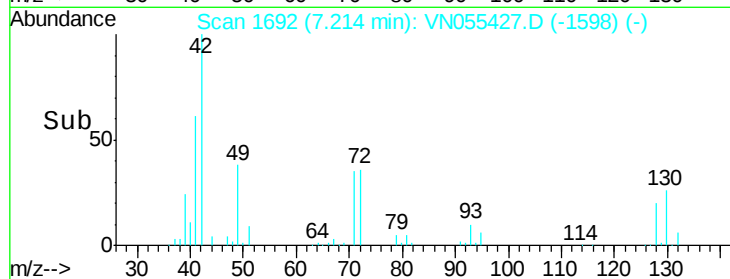
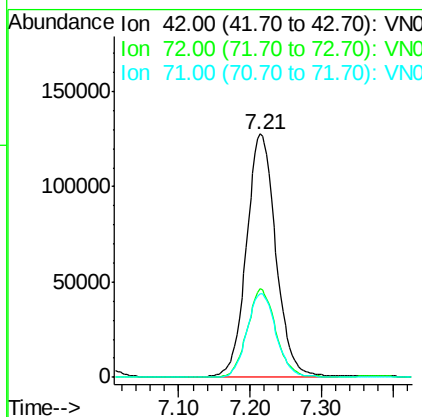
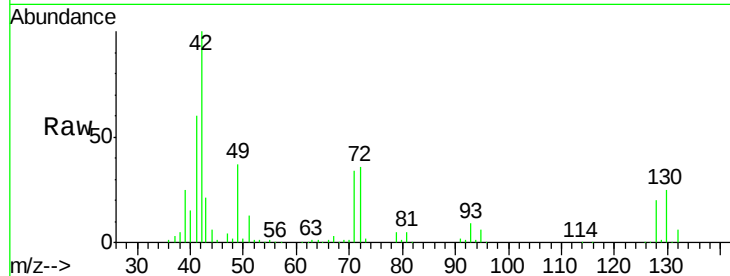
#29
Tetrahydrofuran
Concen: 310.446 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.5	29.0	43.6
71	34.1	27.1	40.7

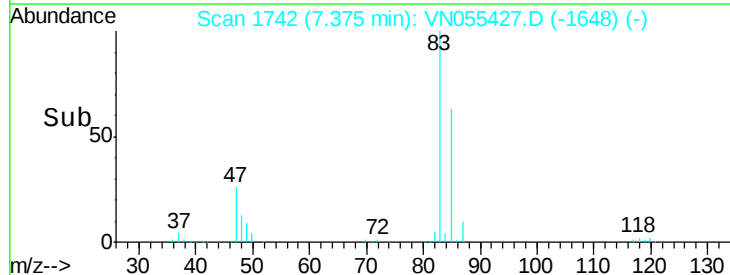
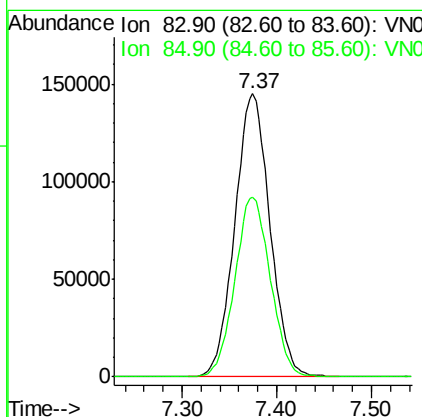
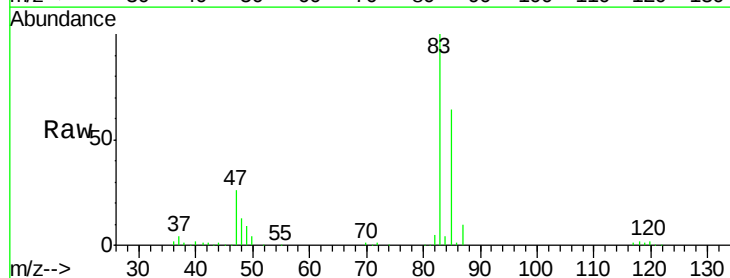
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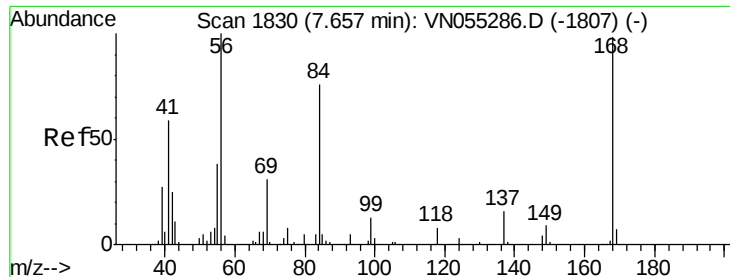
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#30
Chloroform
Concen: 51.731 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.2





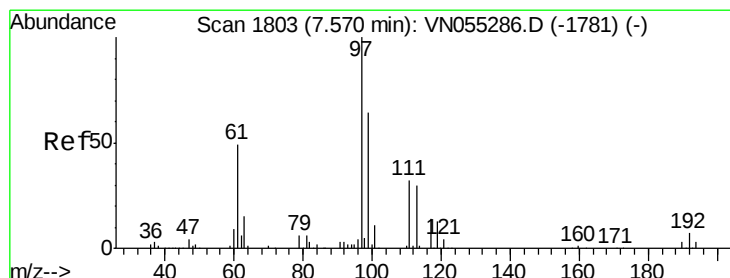
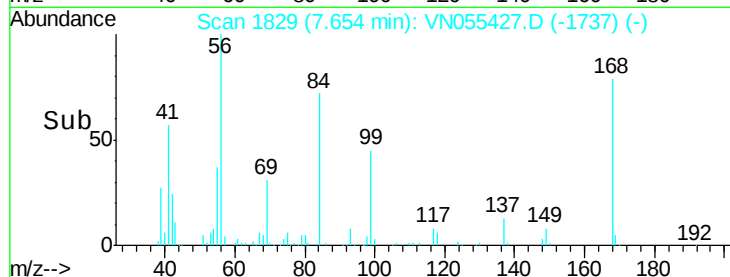
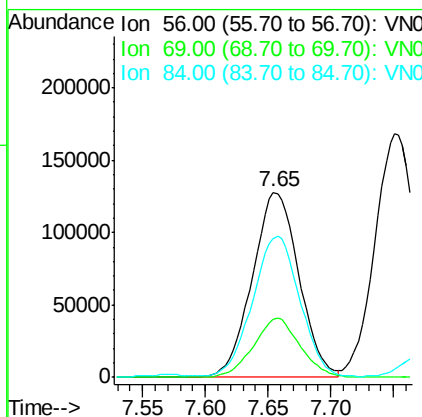
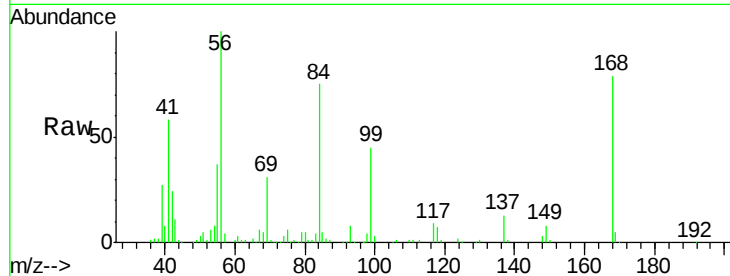
#31
Cyclohexane
Concen: 45.655 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.2	37.8
84	74.1	61.1	91.7

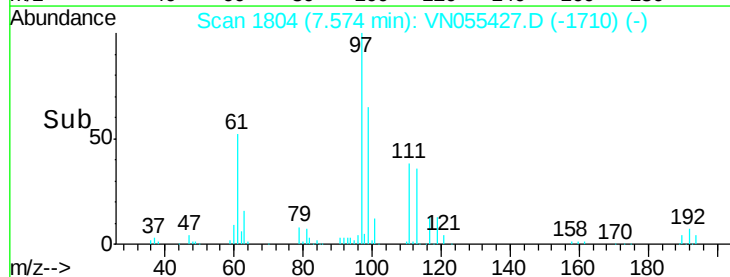
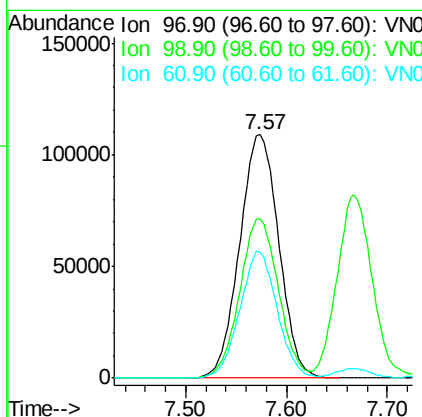
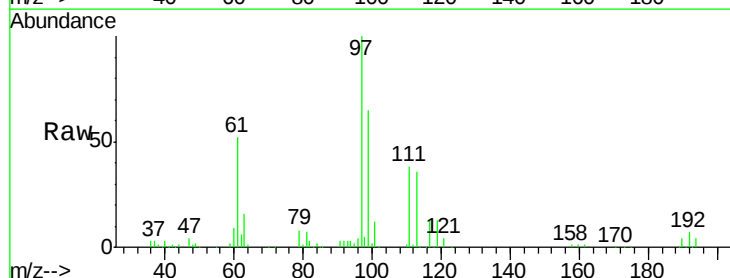
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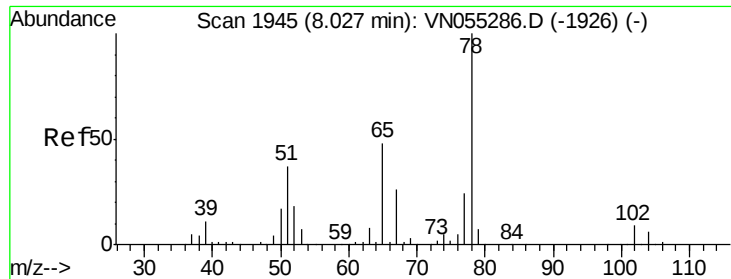
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.111 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.8
61	49.5	39.0	58.6





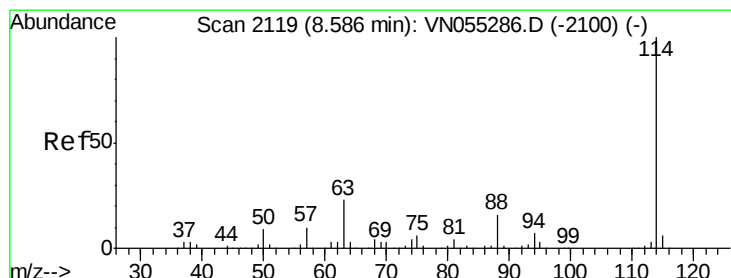
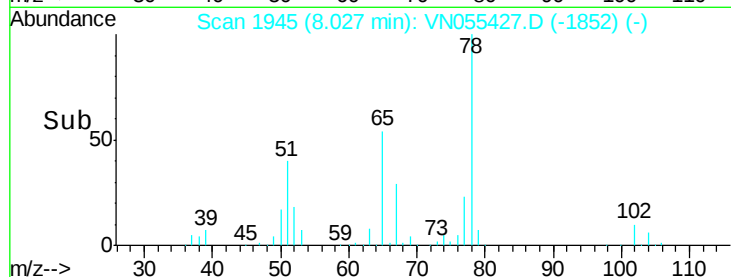
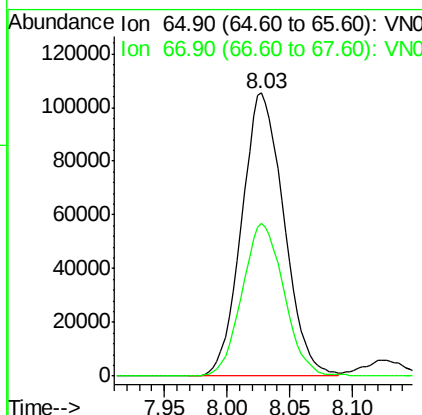
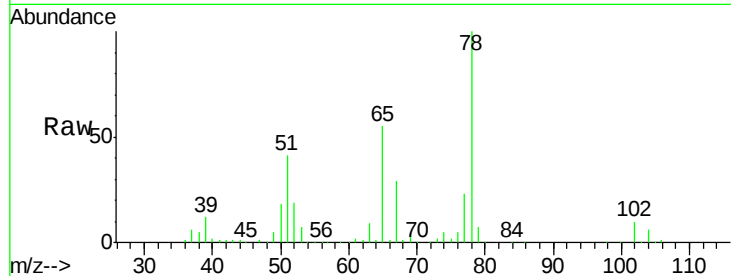
#33
 1,2-Dichloroethane-d4
 Concen: 53.742 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	247598		
67	53.5	0.0	106.8	

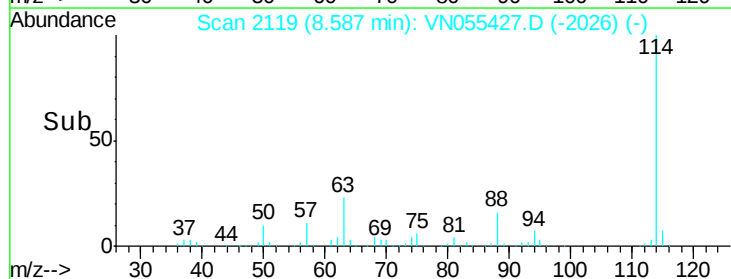
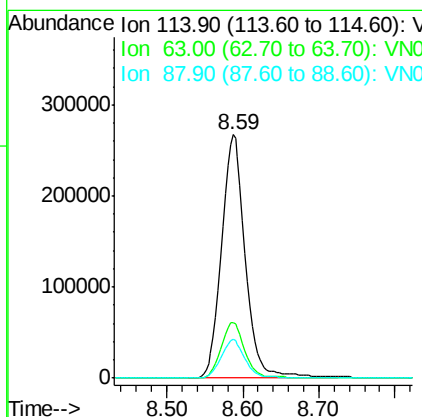
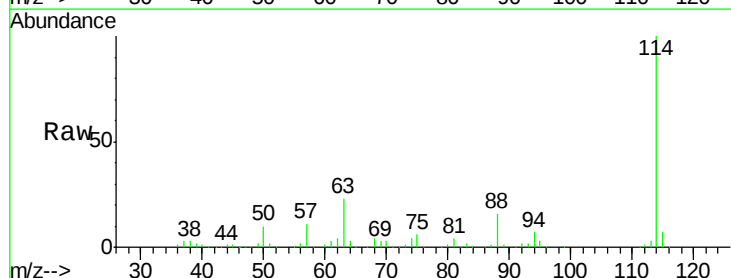
Manual Integrations
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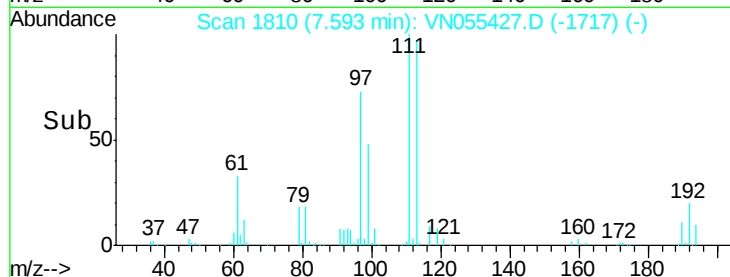
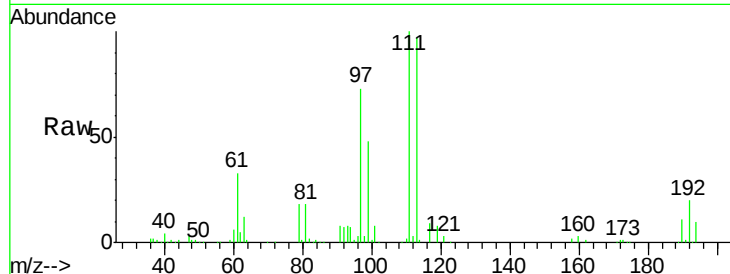
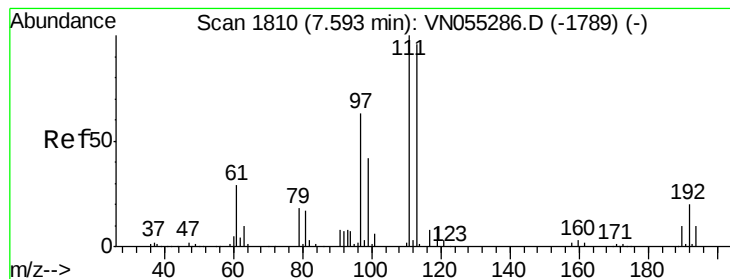
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	582064		
63	23.0	0.0	45.2	
88	15.8	0.0	31.6	





#35

Dibromofluoromethane

Concen: 50.415 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Tot Ion:	113	Resp:	192611
Ion Ratio	Lower	Upper	
113	100		
111	103.6	82.3	123.5
192	21.2	17.0	25.6

Instrument :

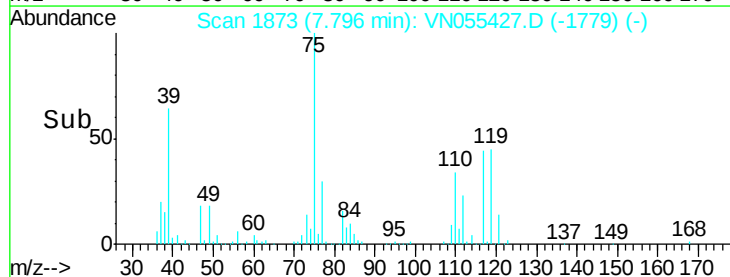
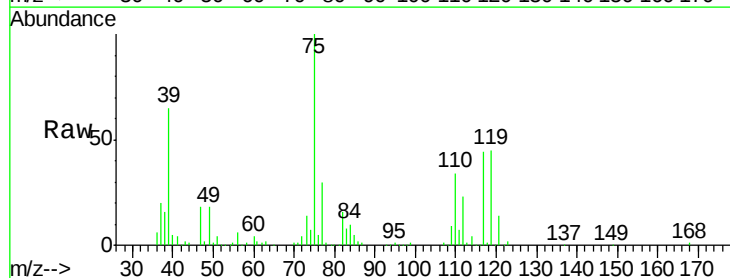
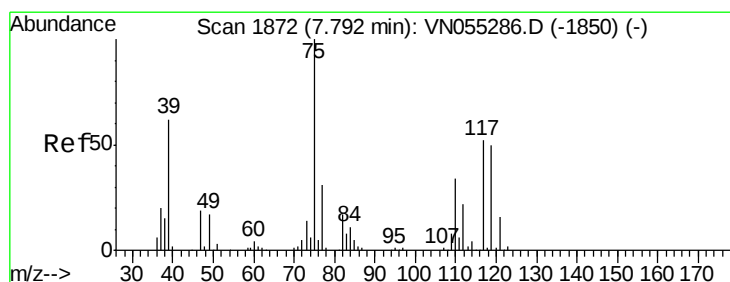
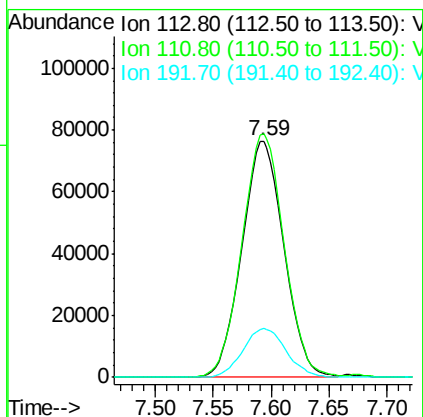
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.050 ug/l

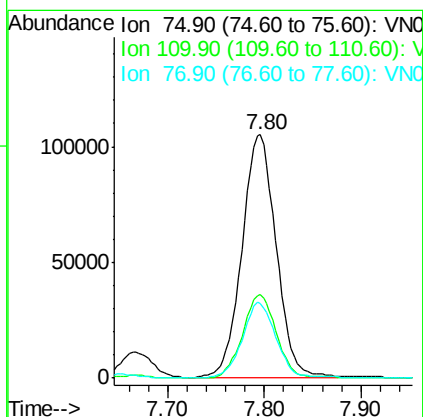
RT: 7.80 min Scan# 1873

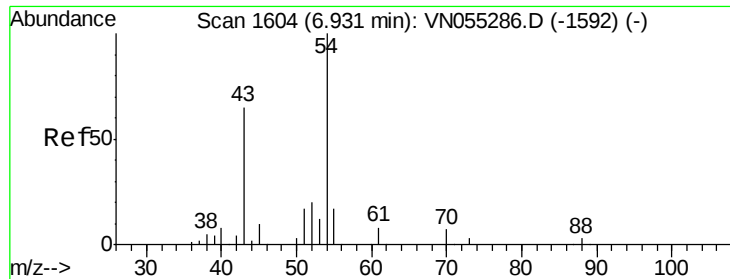
Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Tgt Ion:	75	Resp:	256742
Ion Ratio	Lower	Upper	
75	100		
110	34.4	16.8	50.4
77	30.8	25.0	37.6





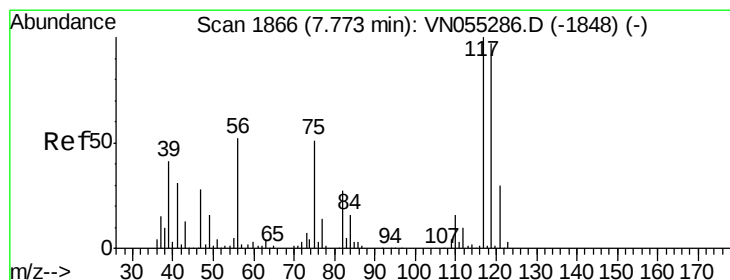
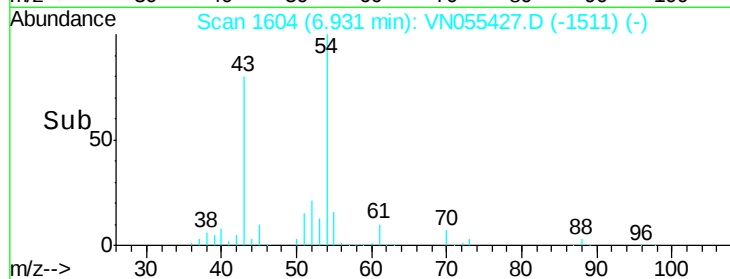
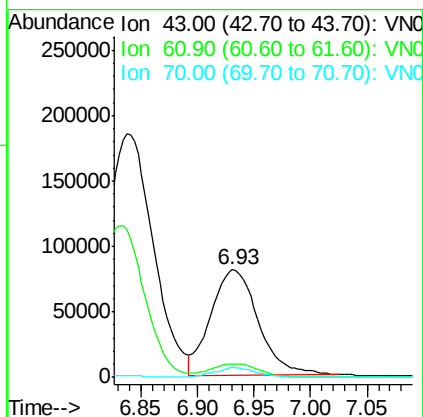
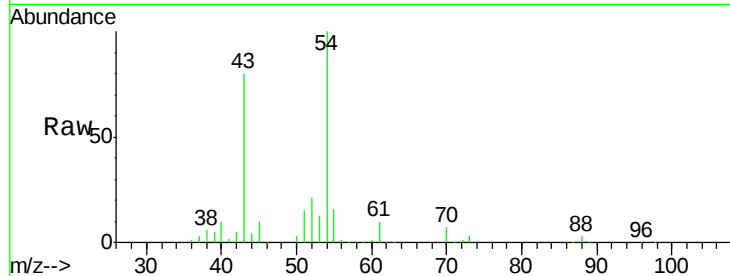
#37
Ethyl Acetate
Concen: 55.187 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.4	15.6
70	8.4	6.6	10.0

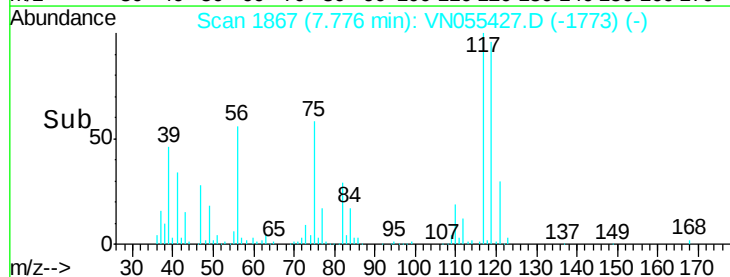
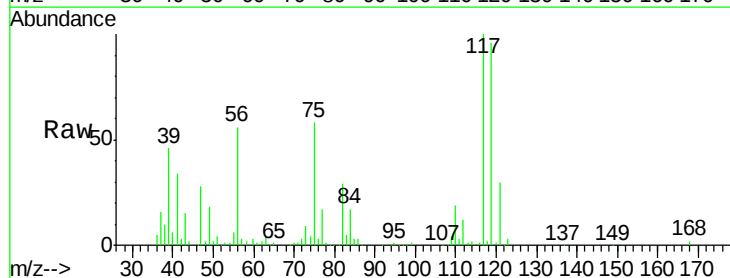
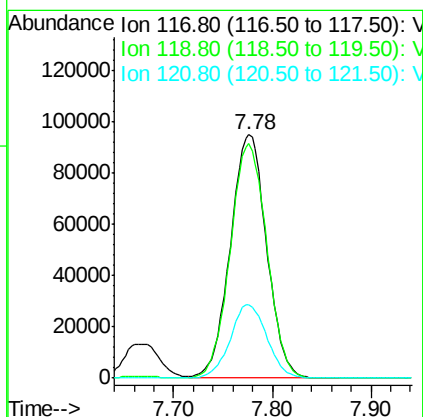
Manual Integrations
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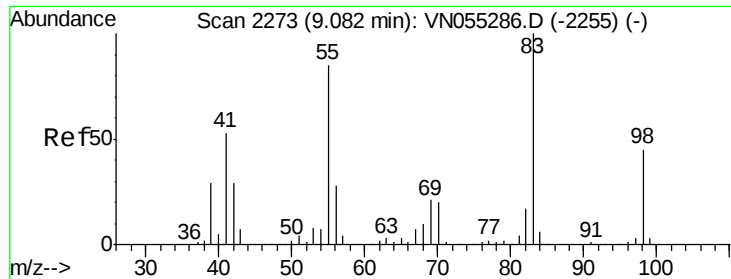
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#38
Carbon Tetrachloride
Concen: 45.126 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.6
121	30.0	23.8	35.8





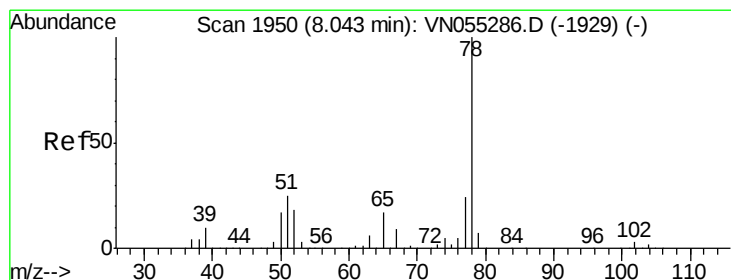
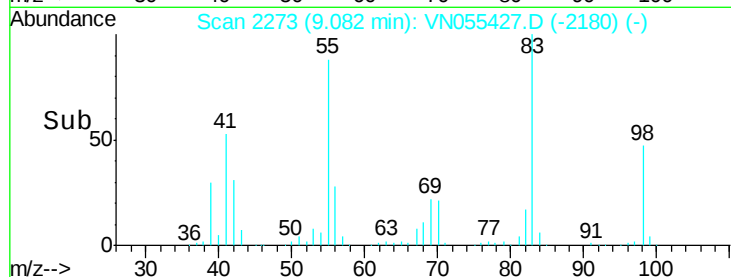
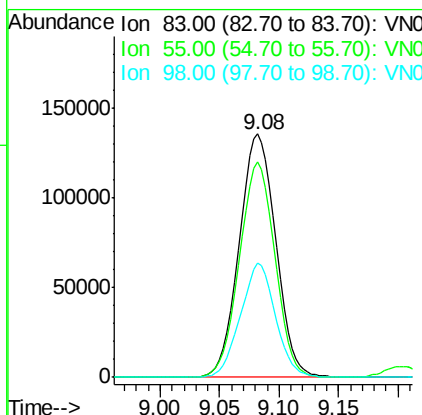
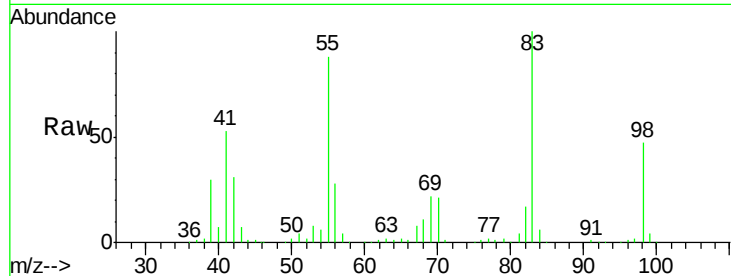
#39
Methvlcvclohexane
Concen: 48.706 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	288713
Ion Ratio	Lower	Upper	
83	100		
55	88.4	67.8	101.6
98	46.8	36.2	54.4

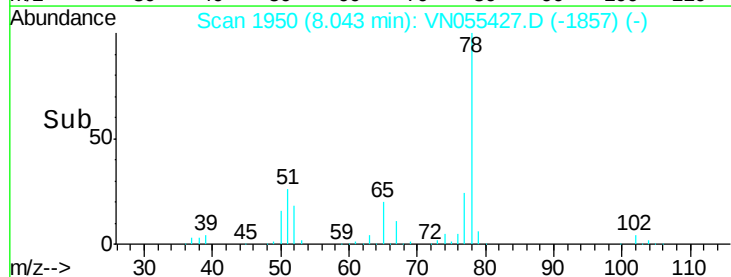
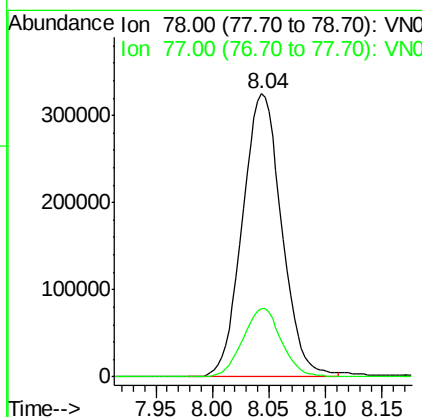
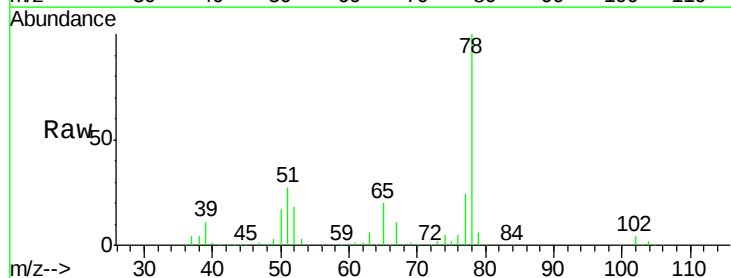
Manual Integrations
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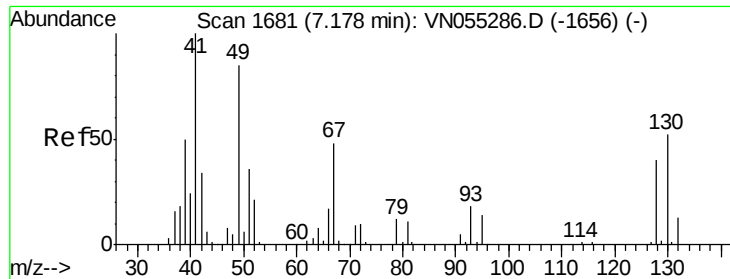
MMDadoda
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#40
Benzene
Concen: 47.887 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion	78	Resp	787050
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.0	28.6





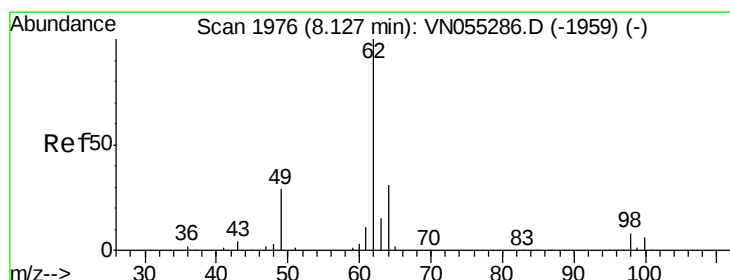
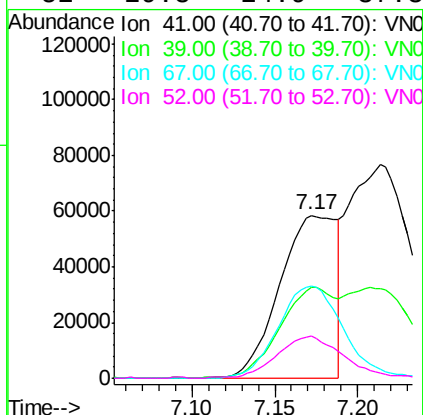
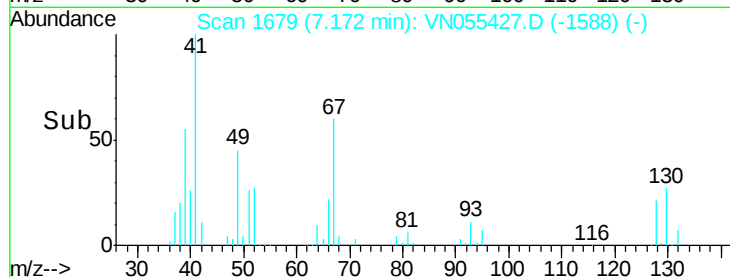
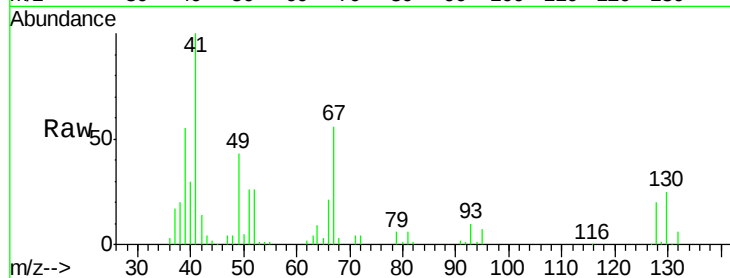
#41
Methacrylonitrile
Concen: 60.040 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.5	48.5	72.7	
67	66.0	54.9	82.3	
52	29.8	24.9	37.3	

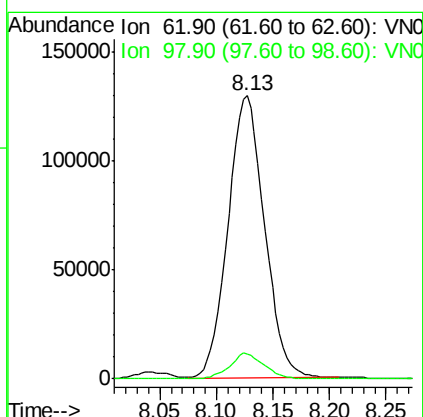
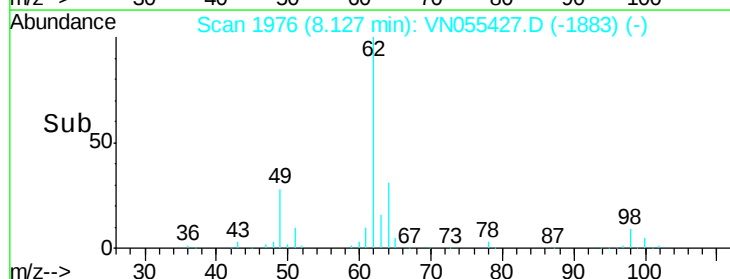
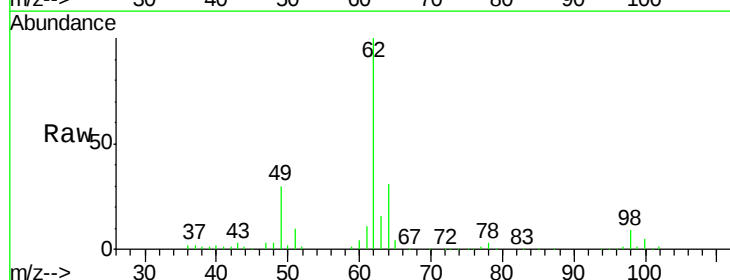
Manual Integrations
APPROVED

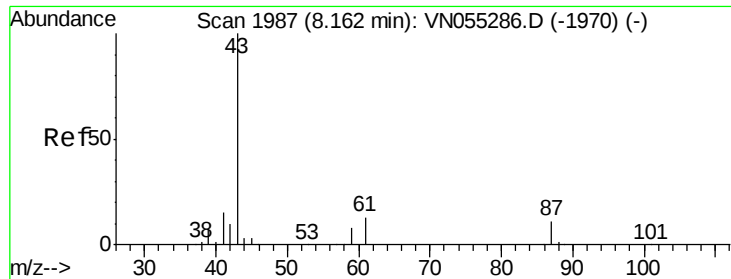
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.932 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	16.4	





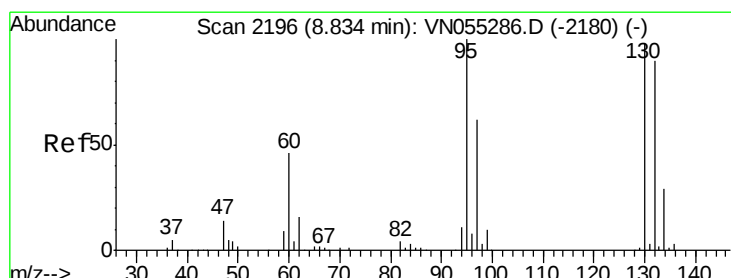
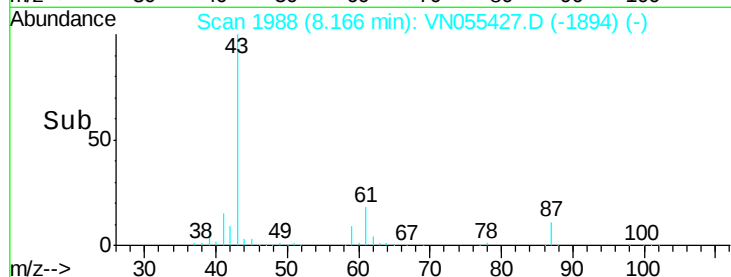
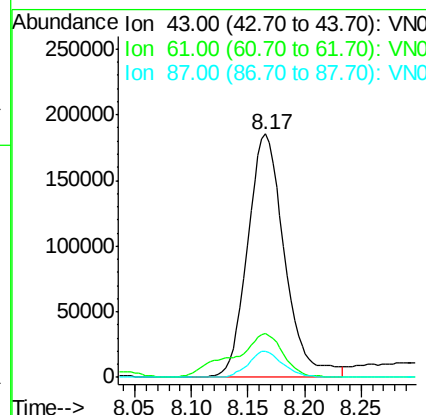
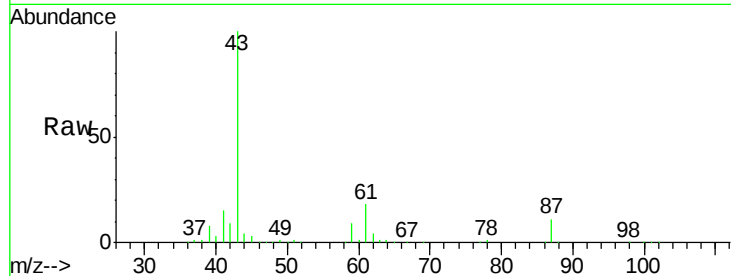
#43
Isopropyl Acetate
Concen: 61.106 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.2	20.8	31.2
87	10.1	8.5	12.7

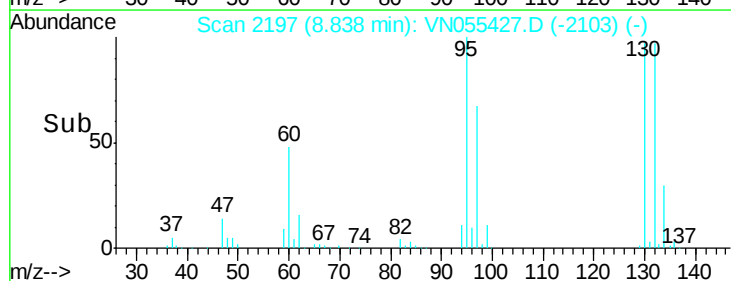
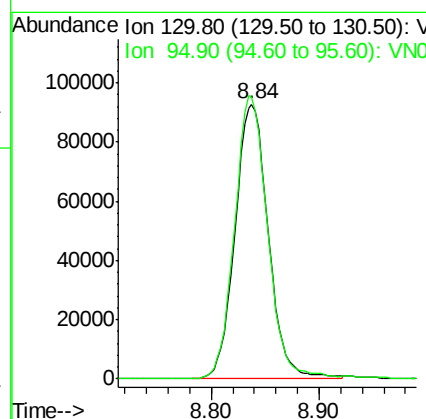
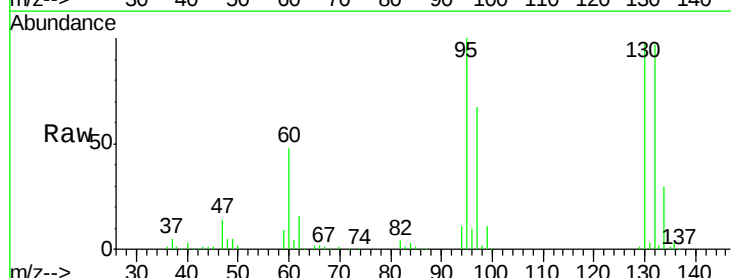
Manual Integrations
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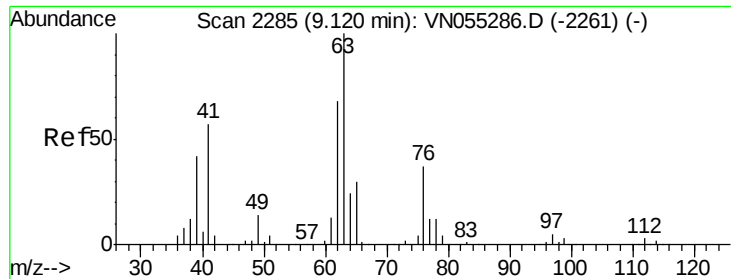
MMDadoda
5/7/2019 1:22:51 PM



#44
Trichloroethene
Concen: 47.675 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	203.4





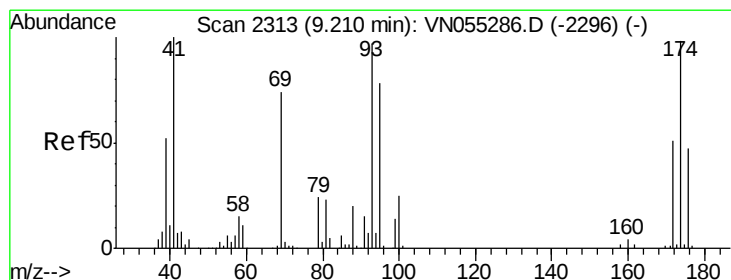
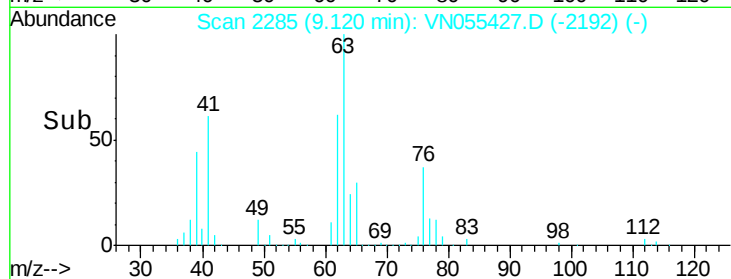
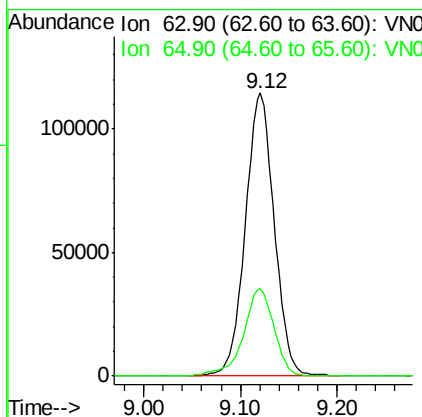
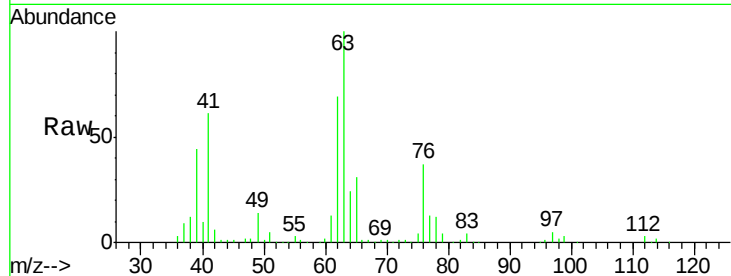
#45
 1,2-Dichloropropane
 Concen: 50.114 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	23.9	35.9

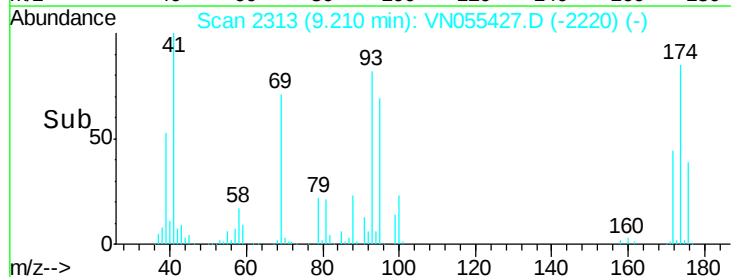
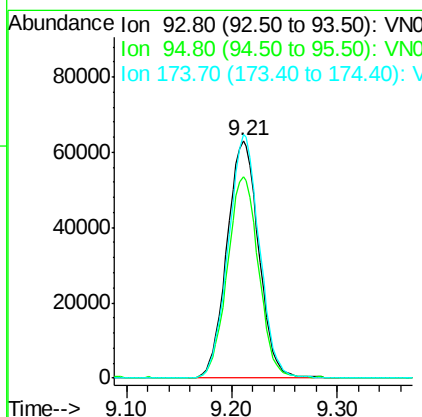
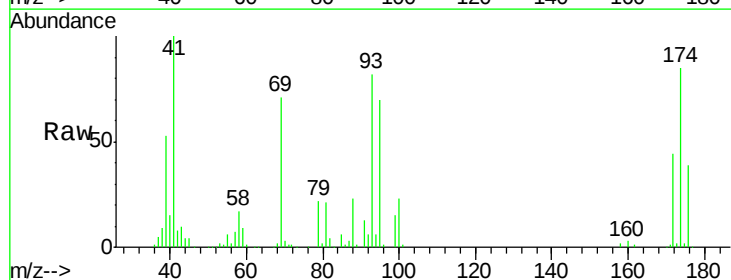
Manual Integrations
 APPROVED

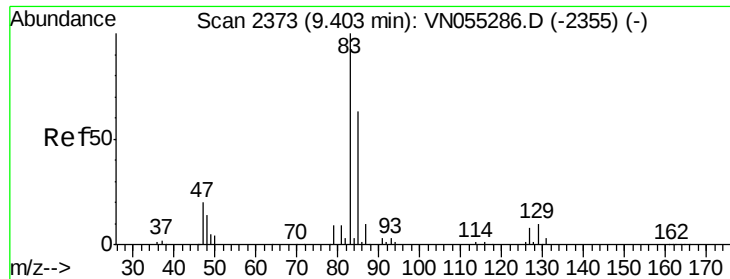
MMDadoda
 5/7/2019 1:22:51 PM



#46
 Dibromomethane
 Concen: 50.898 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.7	98.5
174	99.8	81.5	122.3





#47

Bromodichloromethane

Concen: 50.735 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

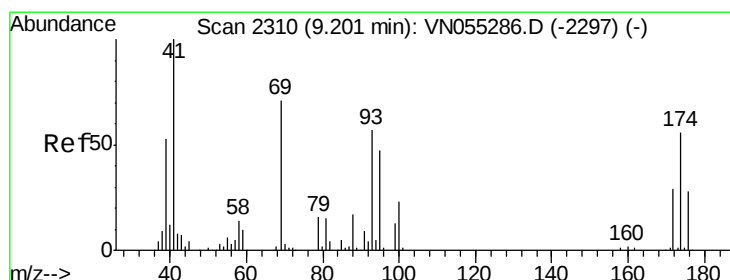
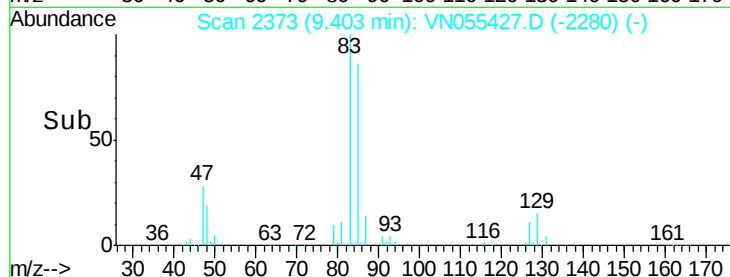
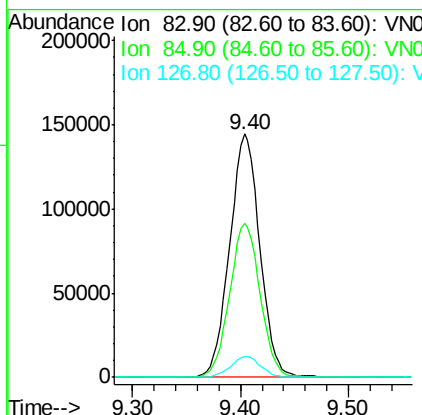
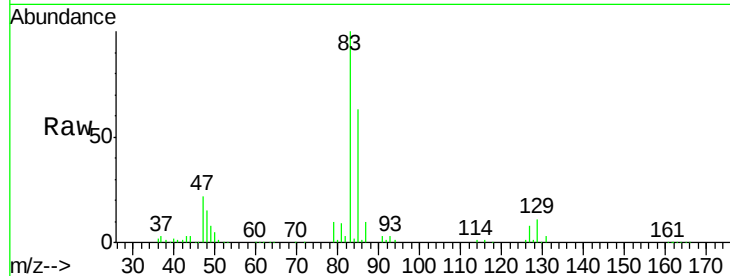
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	282013
Ion Ratio	Lower	Upper	
83	100		
85	63.3	50.1	75.1
127	8.4	6.7	10.1

Manual Integrations
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5/7/2019 1:22:51 PM



#48

Methyl methacrylate

Concen: 56.747 ug/l

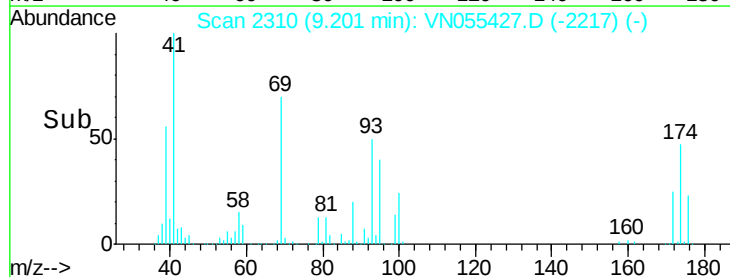
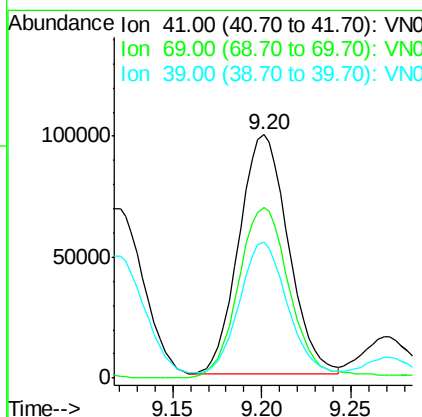
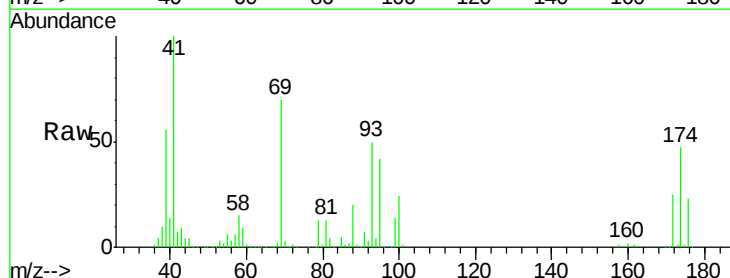
RT: 9.20 min Scan# 2310

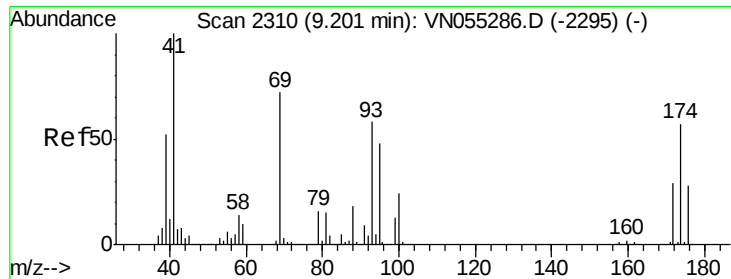
Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Tgt Ion:	41	Resp:	191567
Ion Ratio	Lower	Upper	
41	100		
69	75.5	58.6	87.8
39	56.0	43.8	65.6





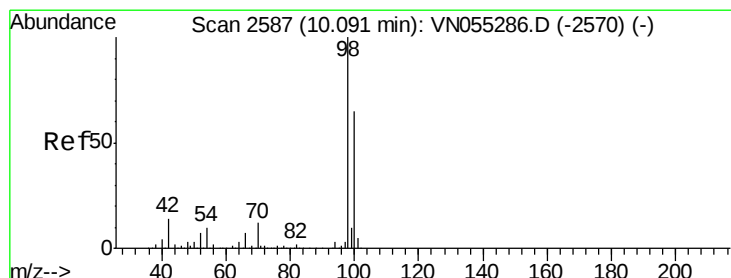
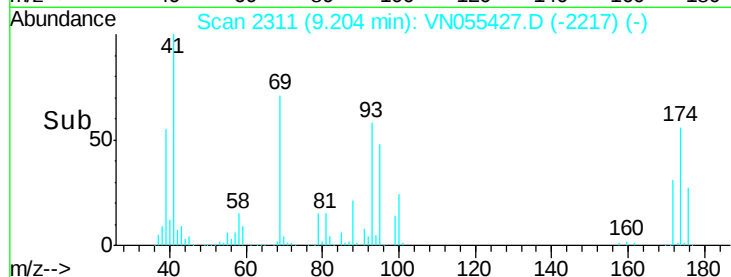
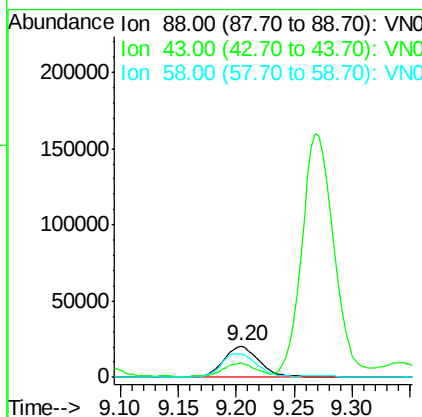
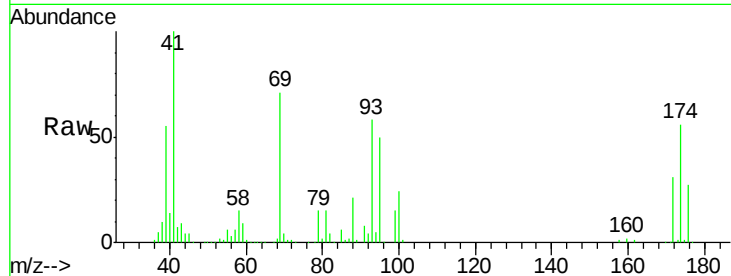
#49
1,4-Dioxane
Concen: 1253.355 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	43738
Ion	Ratio	Lower	Upper
88	100		
43	38.5	33.3	49.9
58	75.8	62.7	94.1

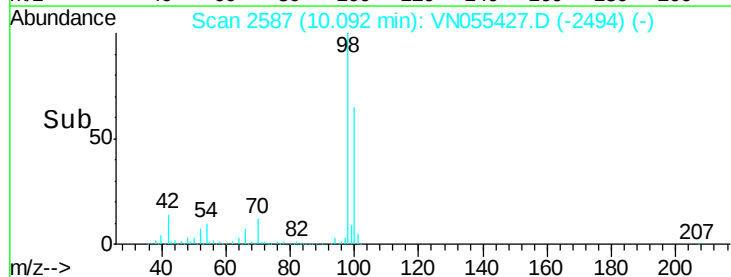
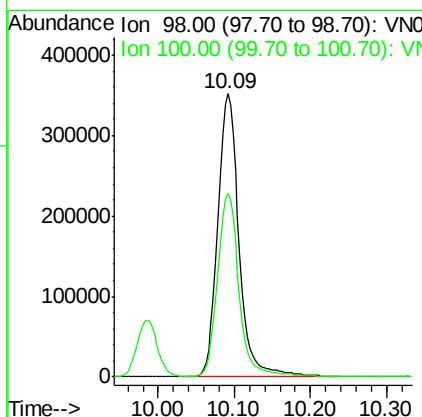
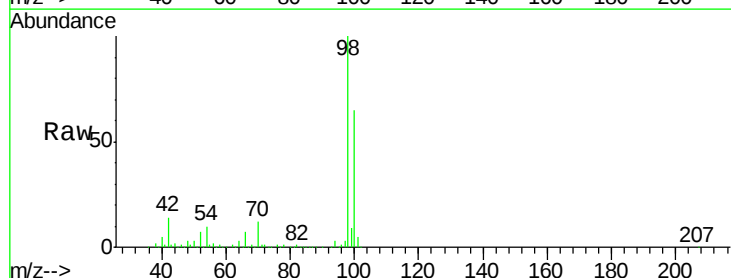
Manual Integrations
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#50
Toluene-d8
Concen: 49.509 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion	98	Resp	682992
Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 300.148 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1160429

Ion Ratio Lower Upper

43 100

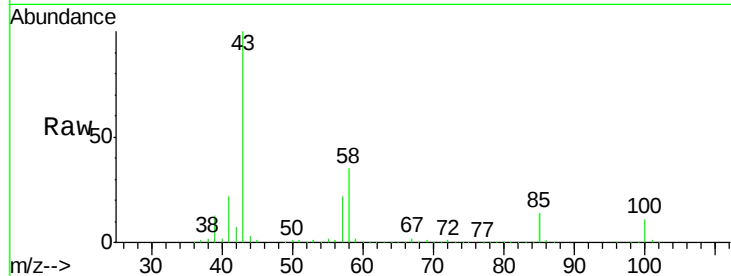
58 35.4 28.5 42.7

Manual Integrations

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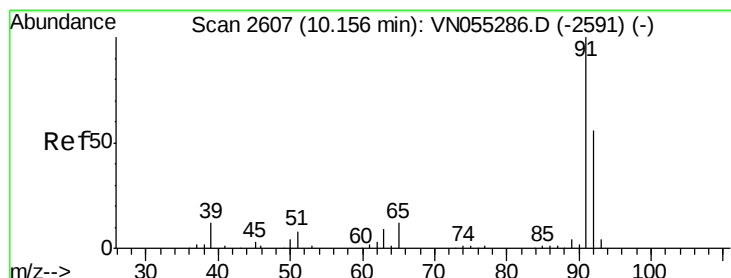
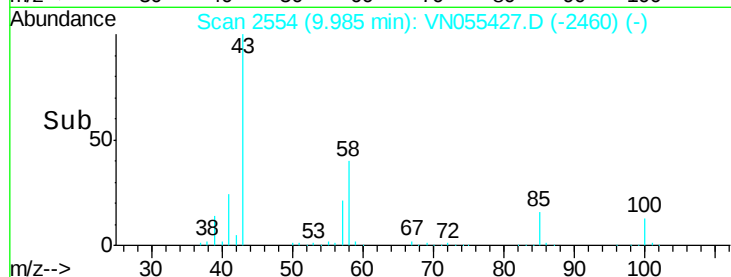
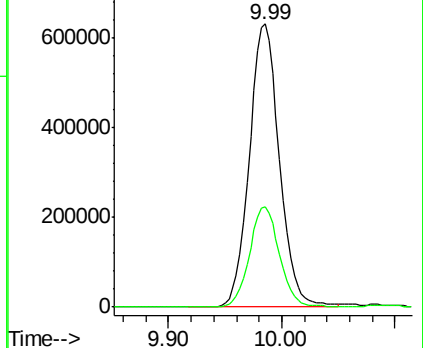
MMDadoda

5/7/2019 1:22:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.419 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055427.D

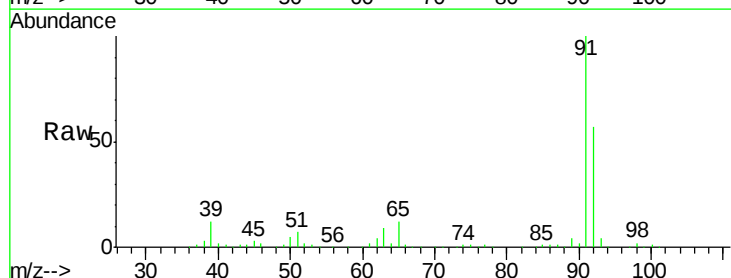
Acq: 6 May 2019 20:00

Tgt Ion: 92 Resp: 466036

Ion Ratio Lower Upper

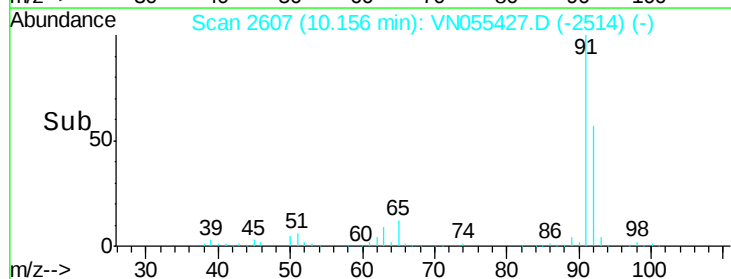
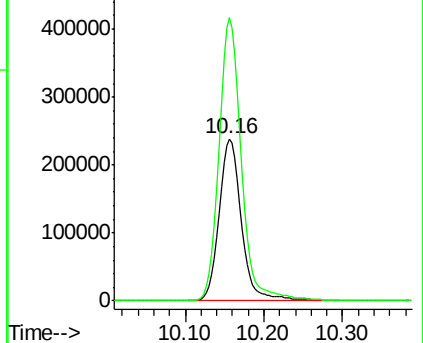
92 100

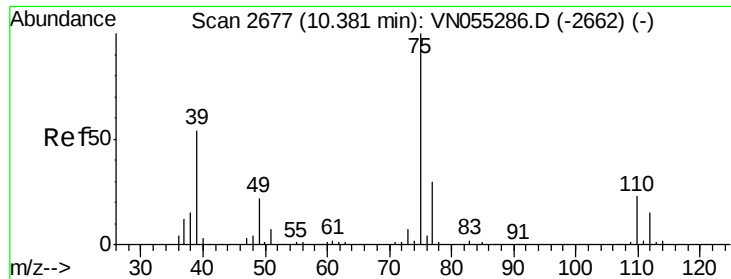
91 175.0 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





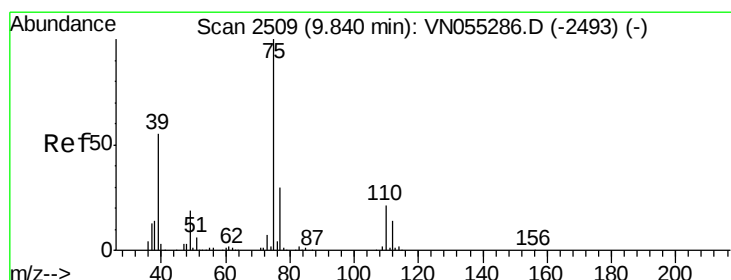
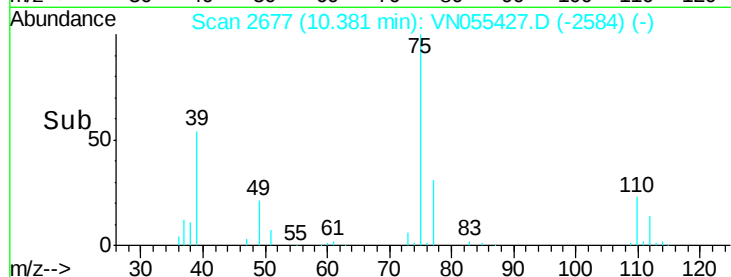
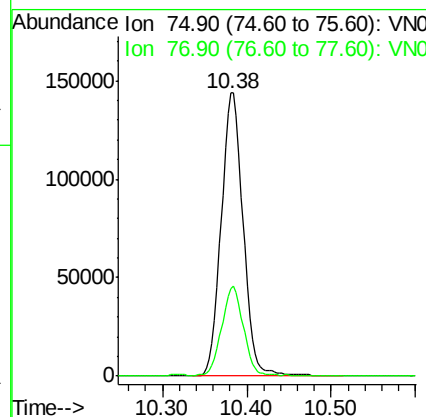
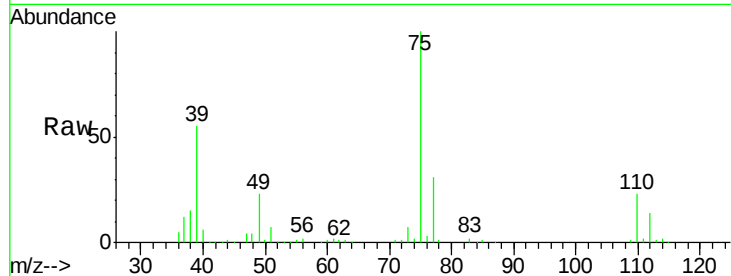
#53
t-1,3-Dichloropropene
Concen: 54.014 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 260639
Ion Ratio Lower Upper
75 100
77 30.8 24.4 36.6

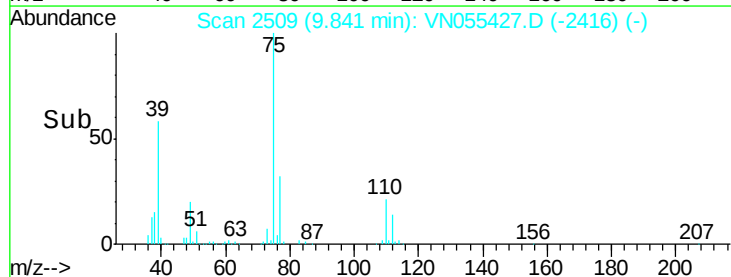
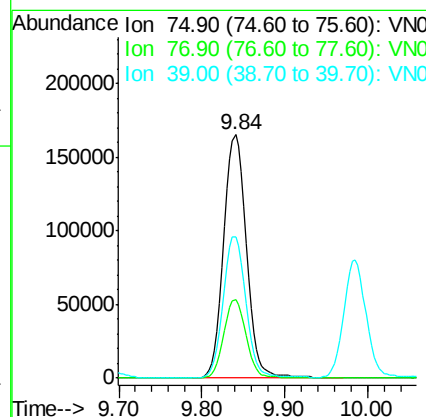
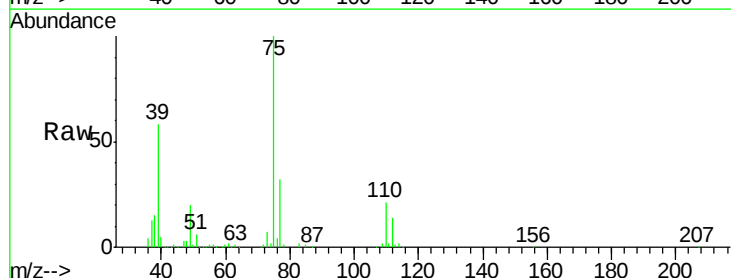
Manual Integrations
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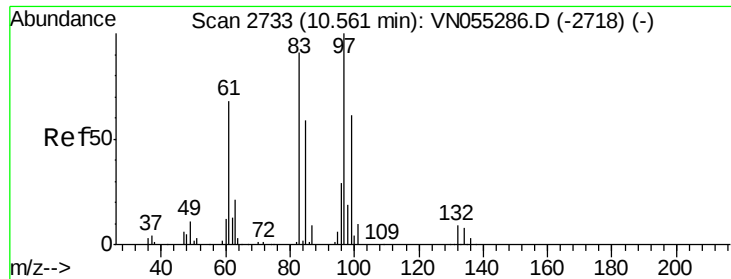
MMDadoda
5/7/2019 1:22:51 PM



#54
cis-1,3-Dichloropropene
Concen: 52.583 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion: 75 Resp: 316357
Ion Ratio Lower Upper
75 100
77 32.1 24.2 36.2
39 58.1 44.2 66.2





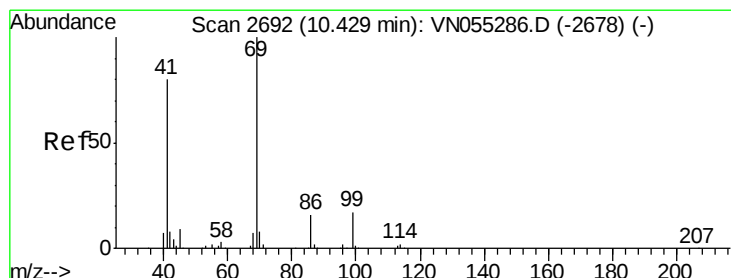
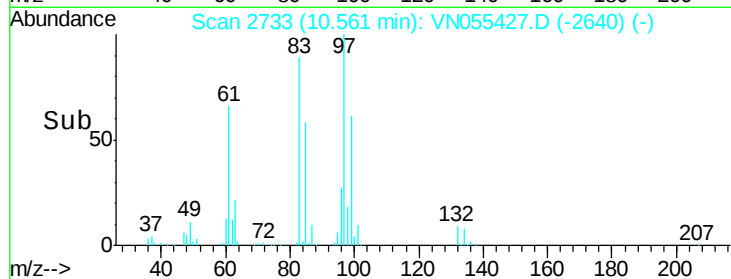
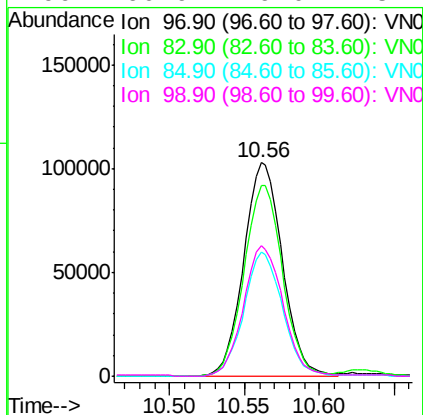
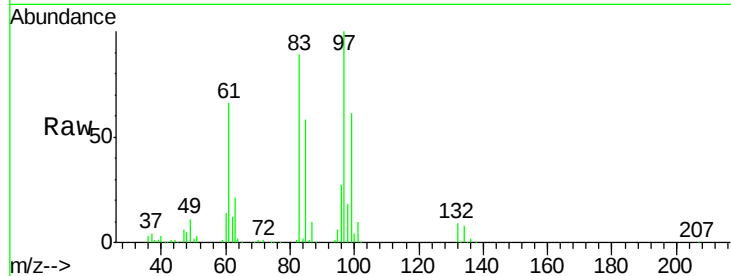
#55
 1,1,2-Trichloroethane
 Concen: 52.938 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	185379
Ion	Ratio	Lower	Upper
97	100		
83	89.1	72.8	109.2
85	58.3	47.0	70.6
99	60.9	49.0	73.4

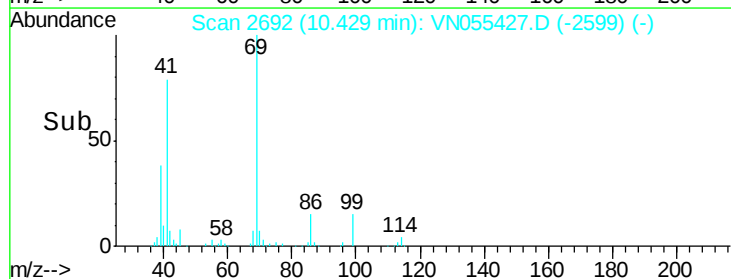
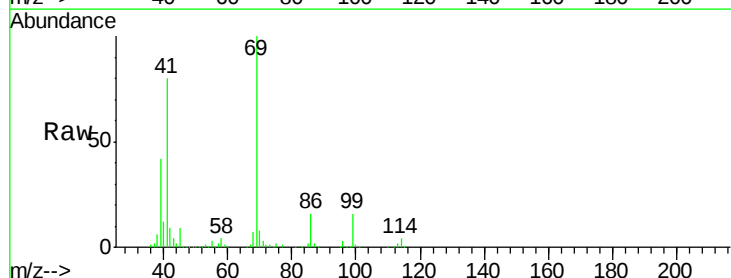
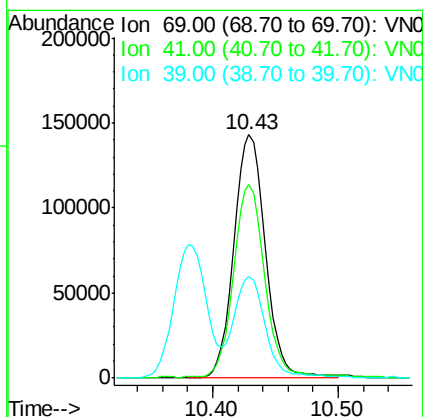
Manual Integrations
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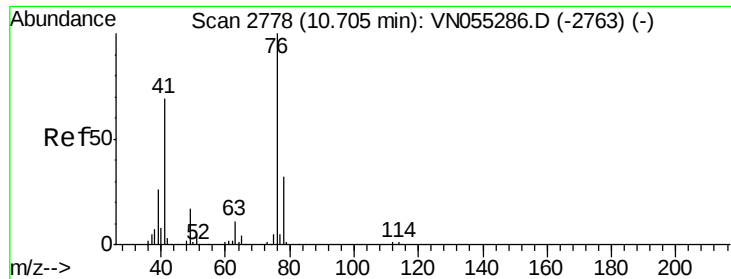
MMDadoda
 5/7/2019 1:22:51 PM



#56
 Ethyl methacrylate
 Concen: 58.366 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Tgt Ion:	69	Resp:	251571
Ion	Ratio	Lower	Upper
69	100		
41	78.9	62.7	94.1
39	41.5	32.0	48.0





#57

1,3-Dichloropropane

Concen: 52.766 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 324149

Ion Ratio Lower Upper

76 100

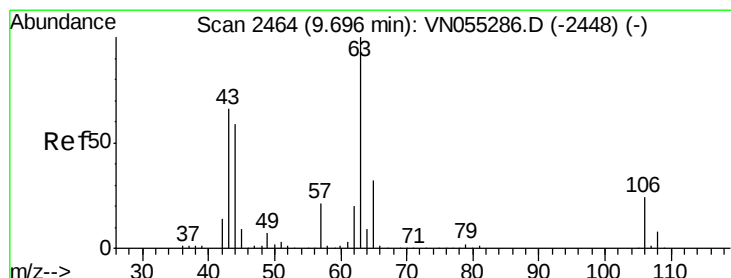
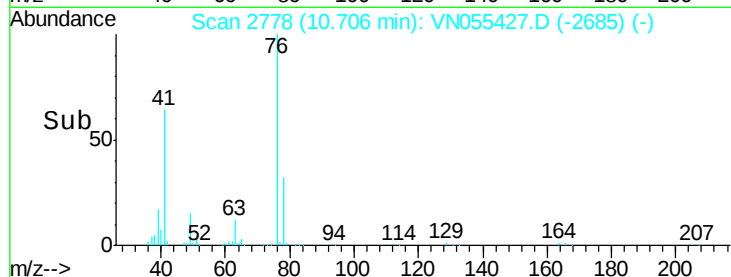
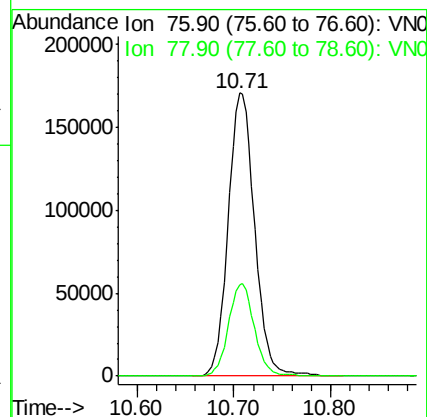
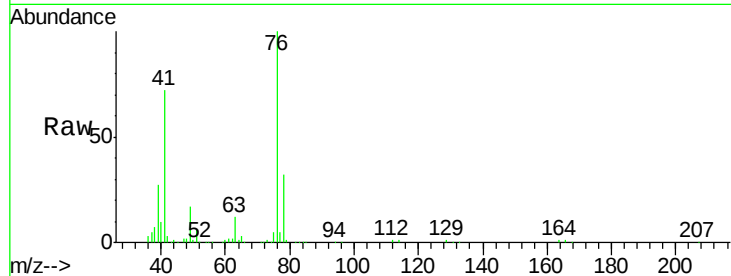
78 31.8 25.6 38.4

Manual Integrations

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5/7/2019 1:22:51 PM



#58

2-Chloroethyl Vinyl ether

Concen: 226.846 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055427.D

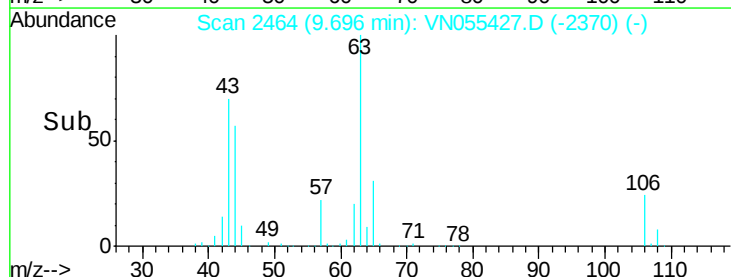
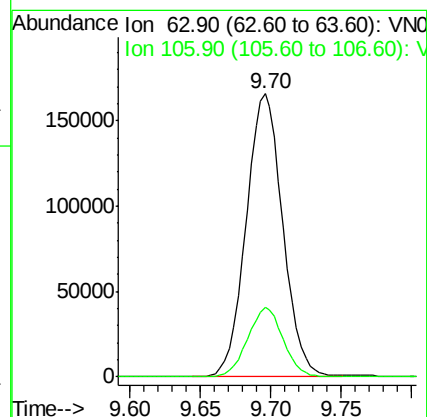
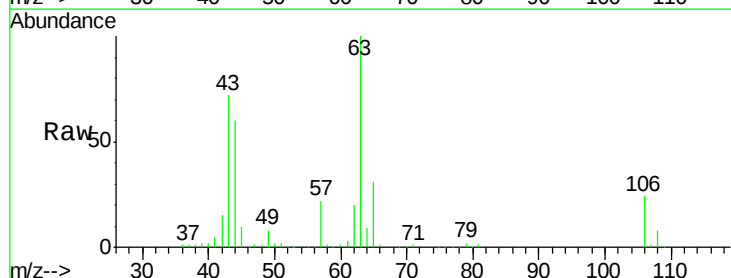
Acq: 6 May 2019 20:00

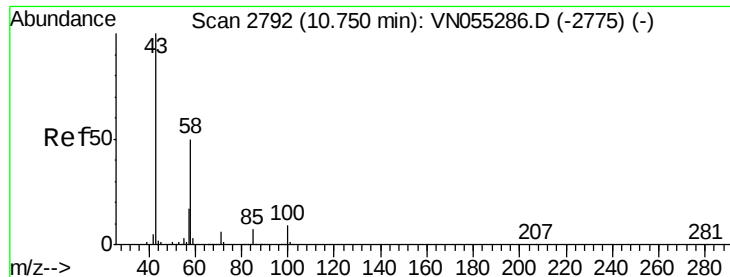
Tgt Ion: 63 Resp: 301827

Ion Ratio Lower Upper

63 100

106 23.8 19.0 28.4





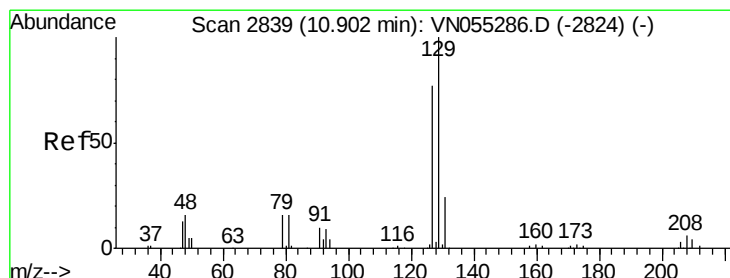
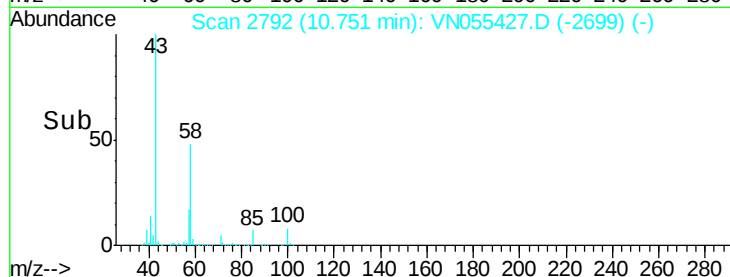
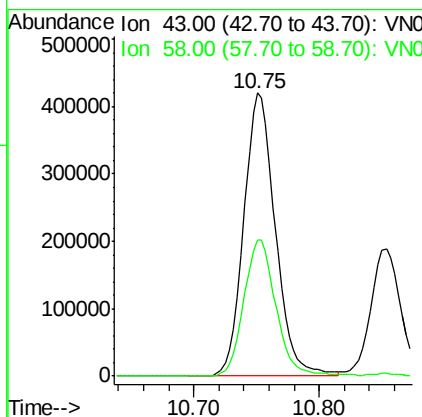
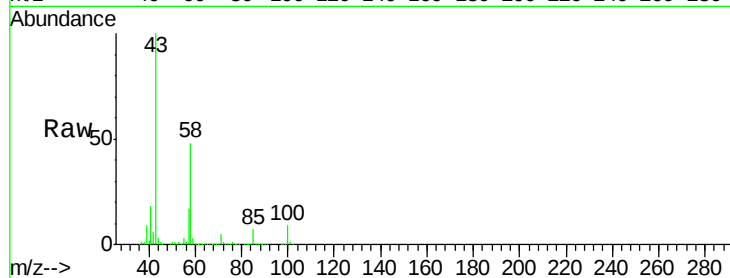
#59
2-Hexanone
Concen: 303.617 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 734454
Ion Ratio Lower Upper
43 100
58 49.2 24.9 74.6

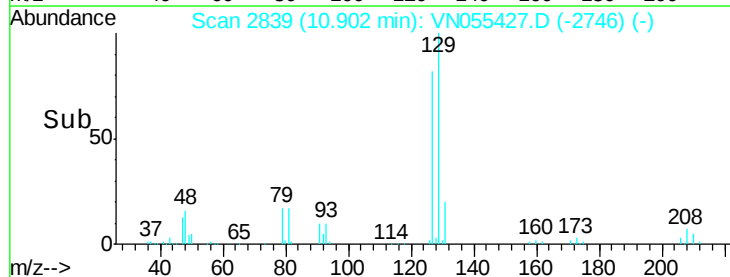
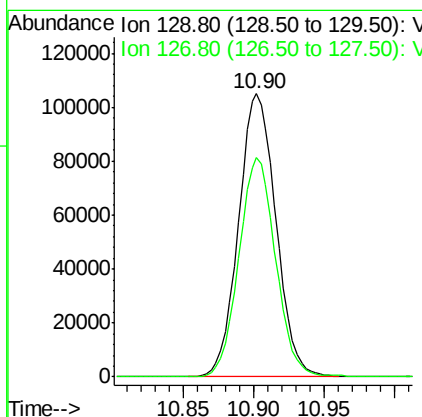
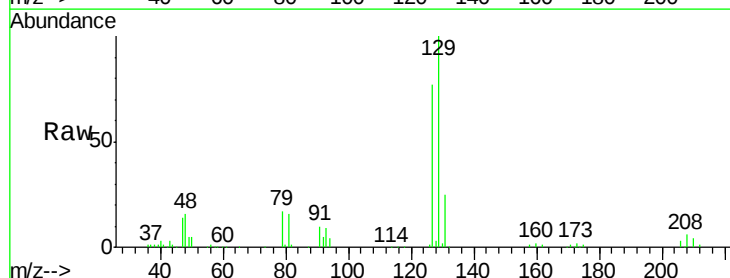
Manual Integrations
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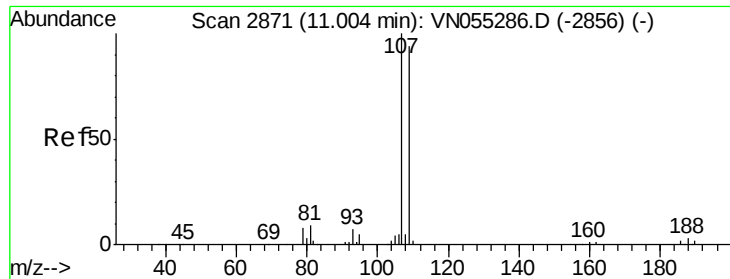
MMDadoda
5/7/2019 1:22:51 PM



#60
Dibromochloromethane
Concen: 54.484 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion: 129 Resp: 194999
Ion Ratio Lower Upper
129 100
127 76.1 38.1 114.5





#61

1,2-Dibromoethane

Concen: 53.932 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 174563

Ion Ratio Lower Upper

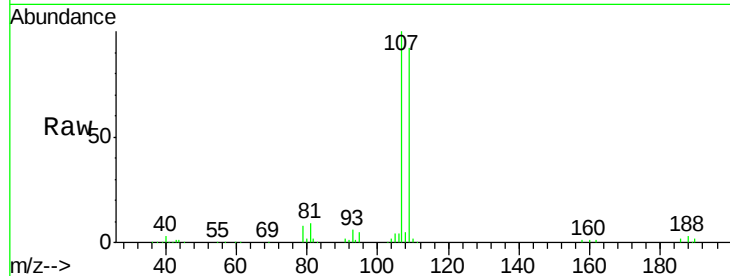
107 100

109 92.5 75.0 112.6

Manual Integrations
APPROVED

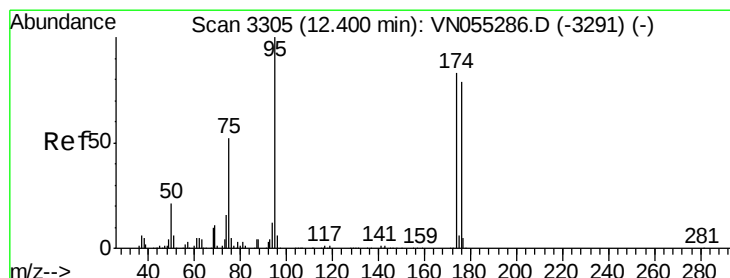
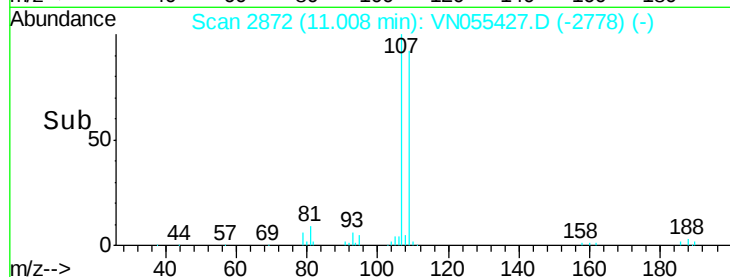
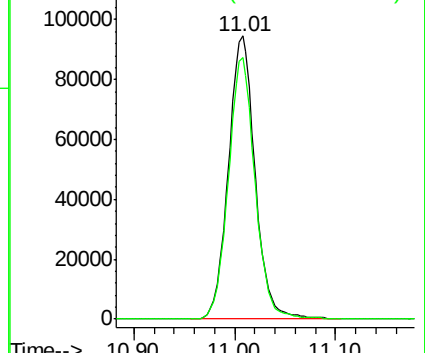
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.527 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

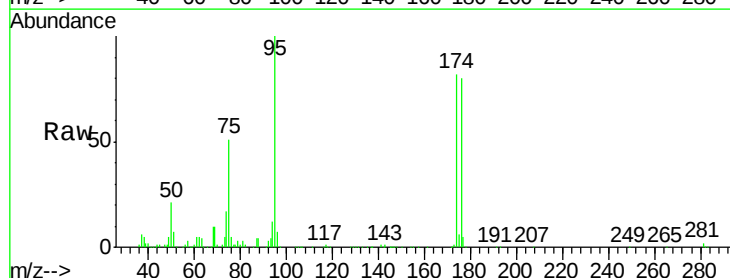
Tgt Ion: 95 Resp: 239404

Ion Ratio Lower Upper

95 100

174 82.6 0.0 166.6

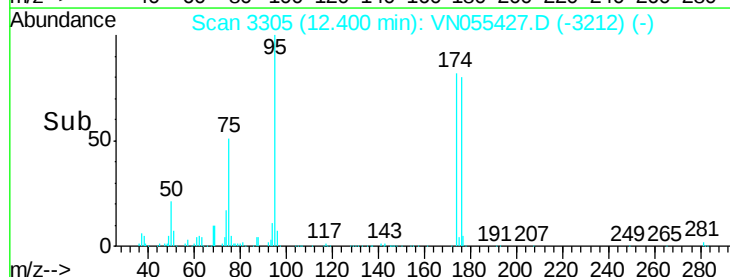
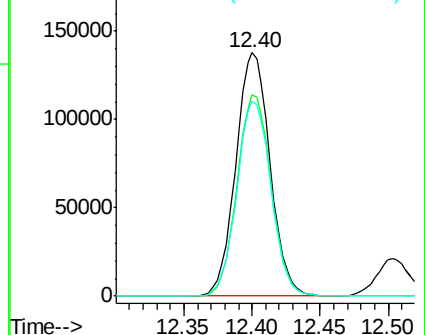
176 80.2 0.0 157.8

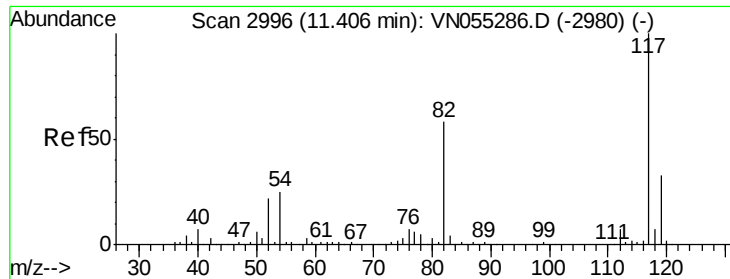


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





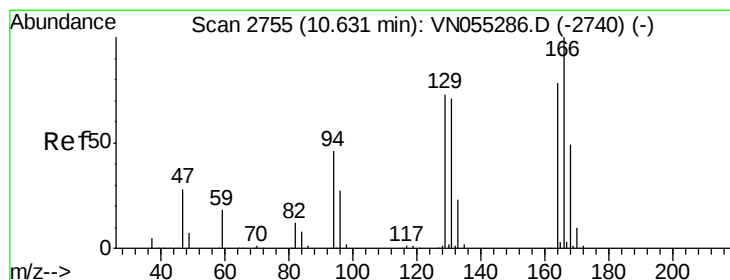
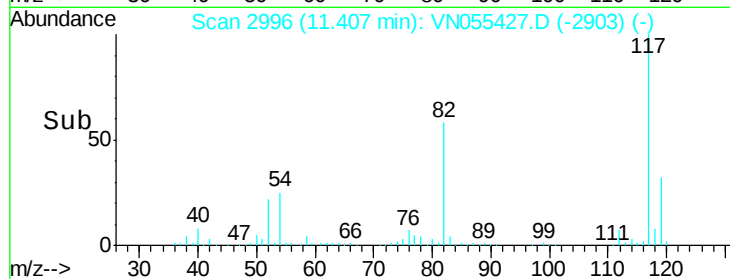
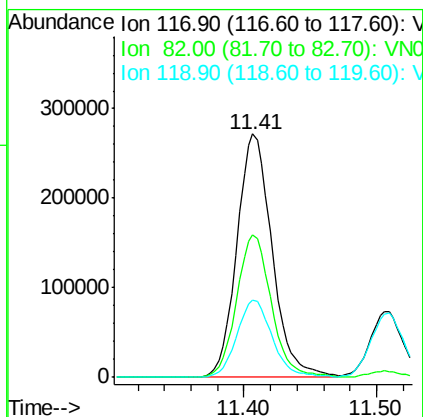
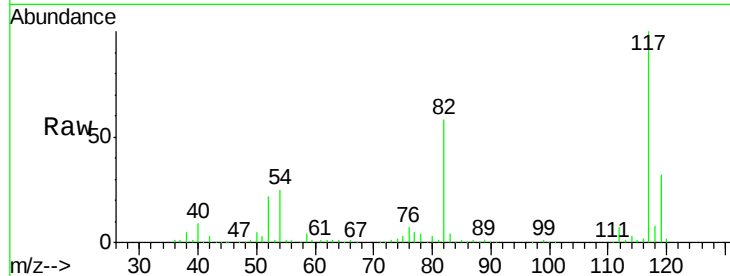
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	502097		
82	58.5	46.2	69.4	
119	31.9	26.6	40.0	

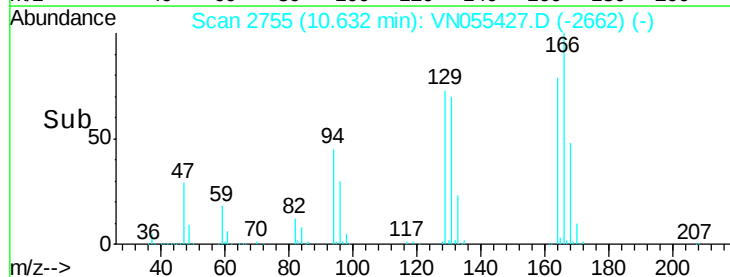
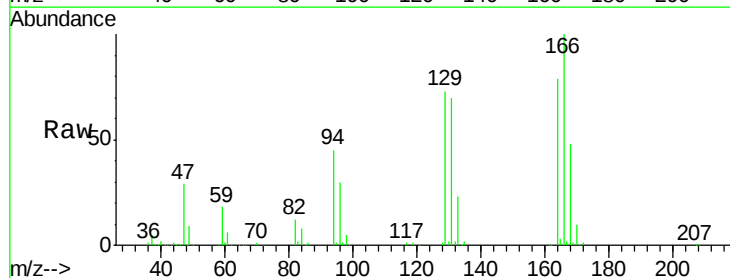
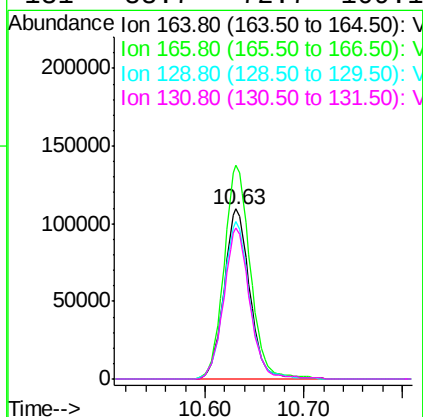
Manual Integrations
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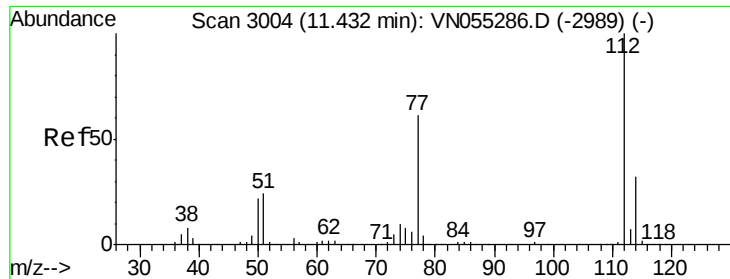
MMDadoda
5/7/2019 1:22:51 PM



#64
Tetrachloroethene
Concen: 48.758 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	200202		
166	125.8	102.3	153.5	
129	92.4	75.0	112.6	
131	88.7	72.7	109.1	





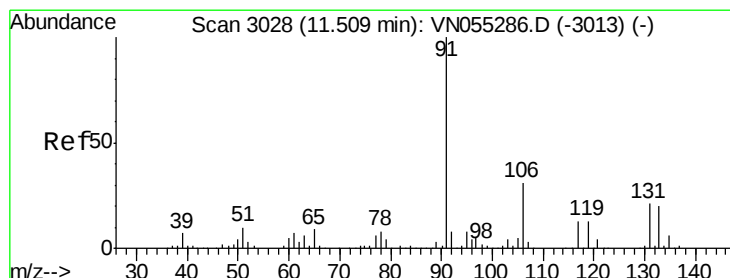
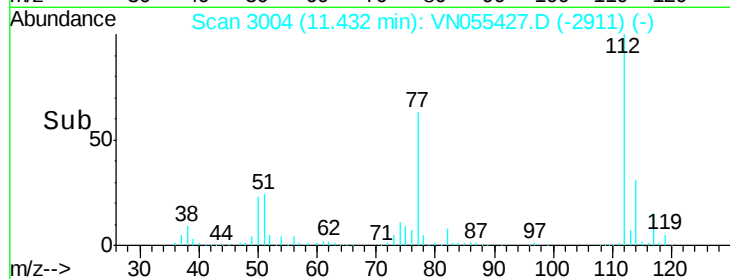
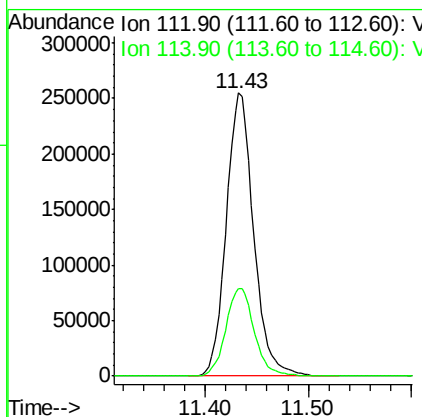
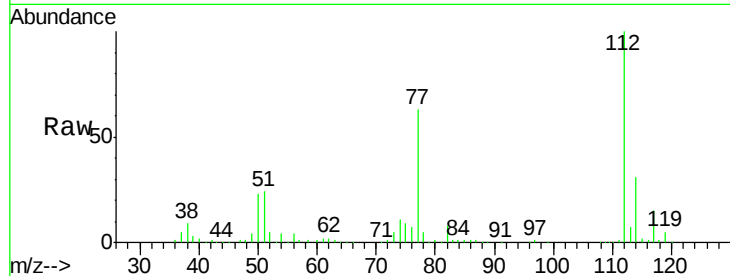
#65
Chlorobenzene
Concen: 48.099 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 472172
Ion Ratio Lower Upper
112 100
114 31.1 25.3 37.9

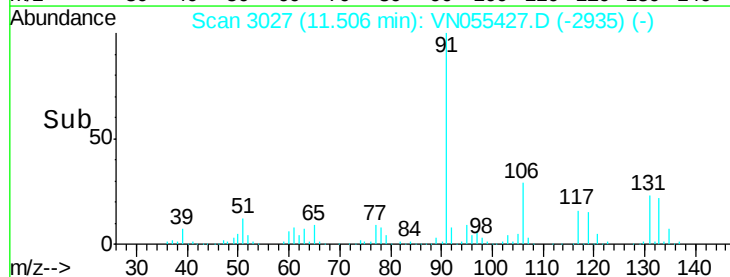
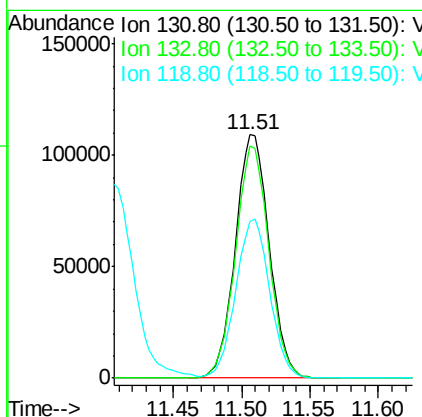
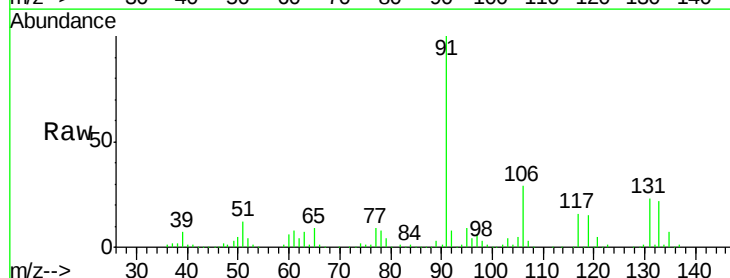
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.074 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion:131 Resp: 188634
Ion Ratio Lower Upper
131 100
133 93.8 47.5 142.6
119 65.4 32.7 98.1





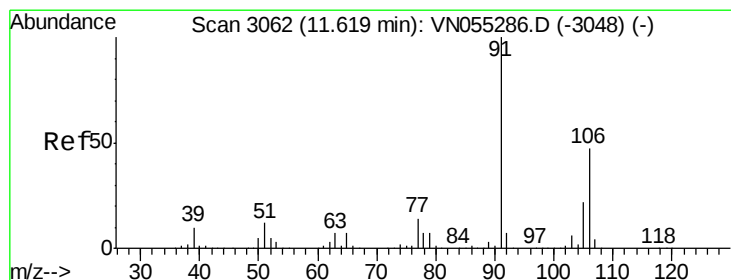
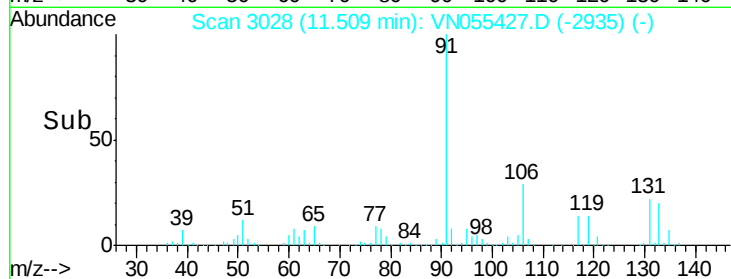
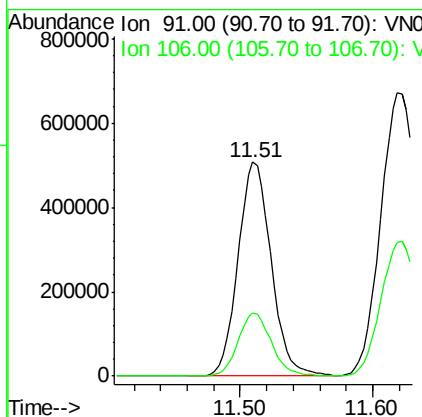
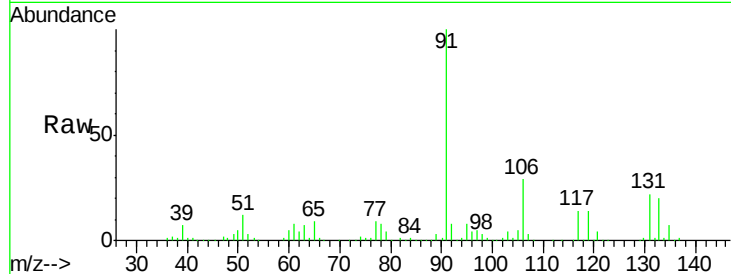
#67
Ethyl Benzene
Concen: 49.726 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 881492
Ion Ratio Lower Upper
91 100
106 29.4 24.6 36.8

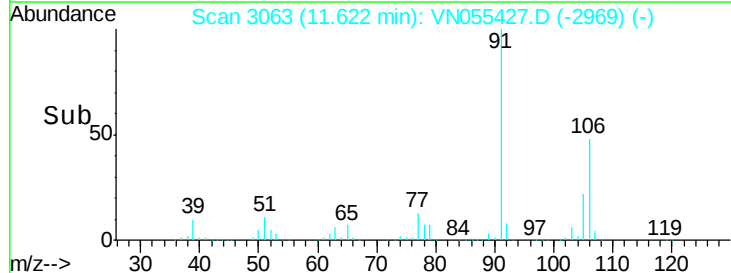
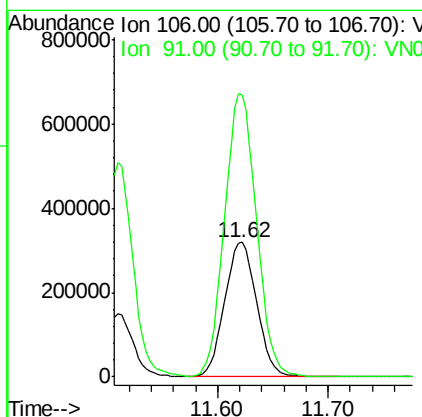
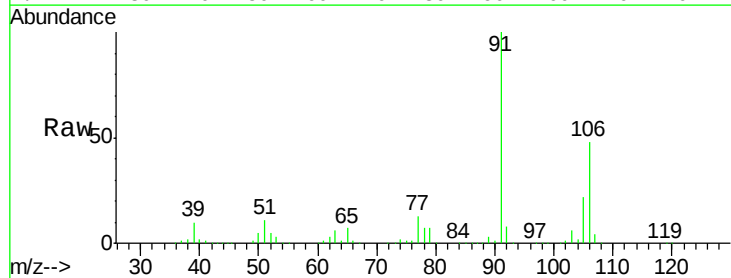
Manual Integrations
APPROVED

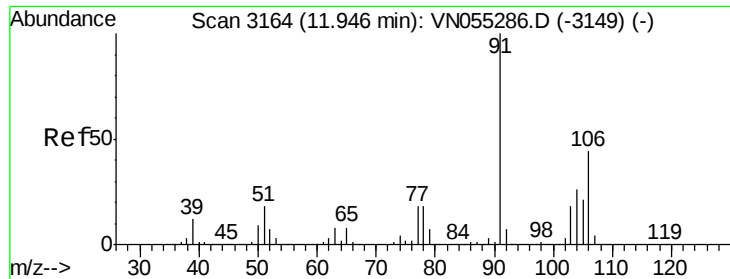
MMDadoda
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#68
m/p-Xylenes
Concen: 101.727 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion: 106 Resp: 643677
Ion Ratio Lower Upper
106 100
91 209.6 169.5 254.3





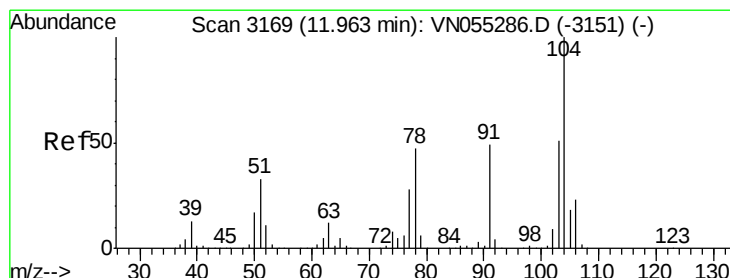
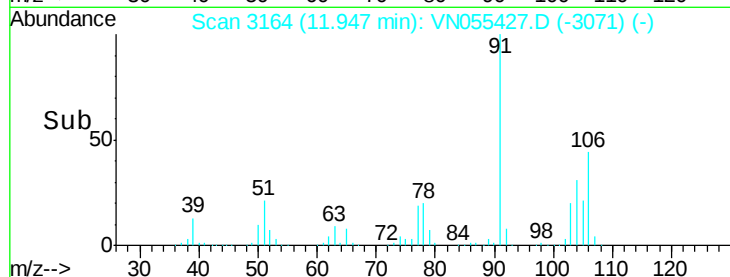
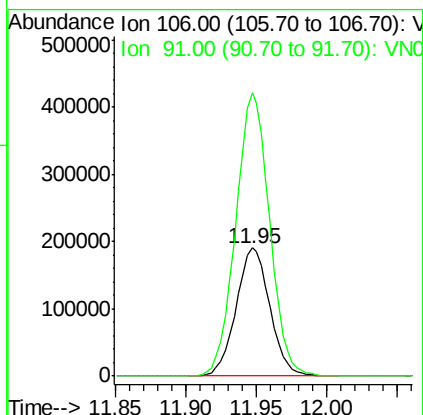
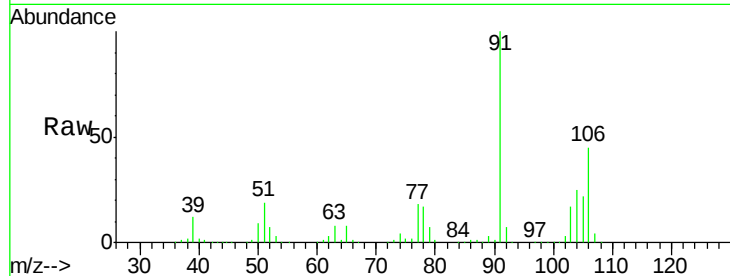
#69
o-Xylene
Concen: 50.944 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		319504		
91	221.5	111.5	334.5		

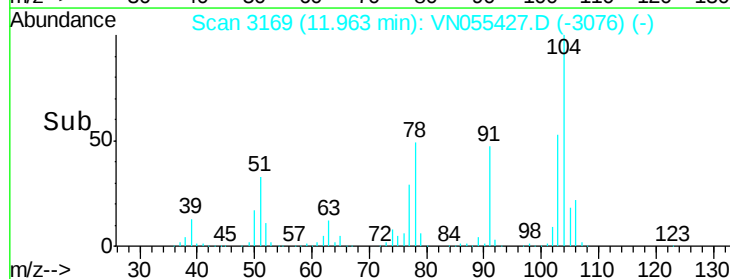
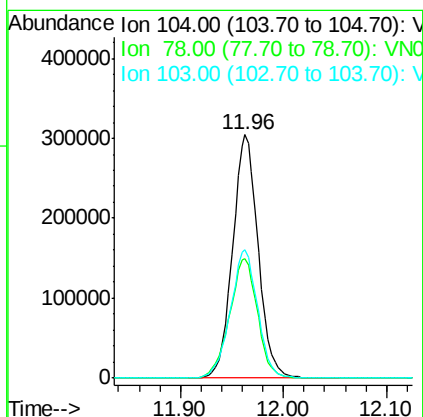
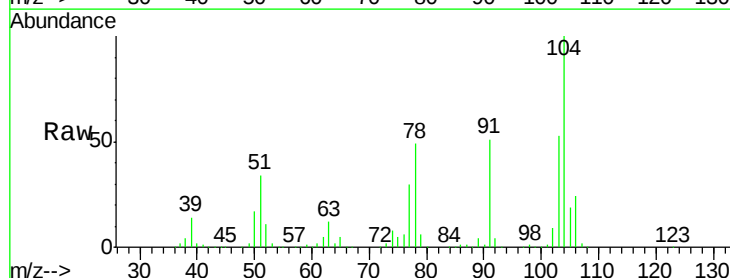
Manual Integrations
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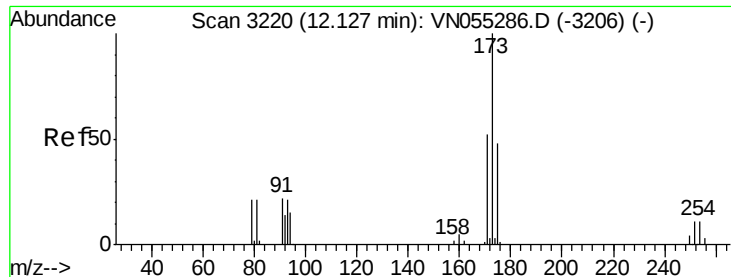
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#70
Styrene
Concen: 54.388 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		523729		
78	53.9	42.2	63.2		
103	56.5	44.6	67.0		





#71

Bromoform

Concen: 57.222 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 122050

Ion Ratio Lower Upper

173 100

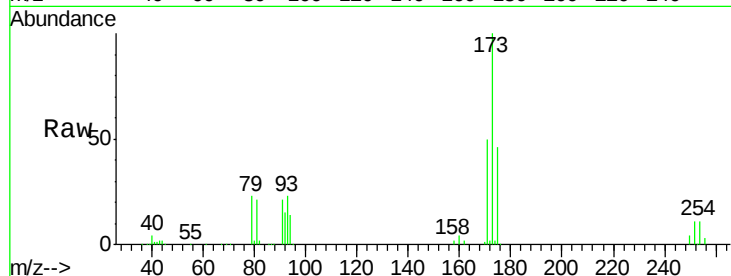
175 47.2 23.6 71.0

254 0.0 0.0 0.0

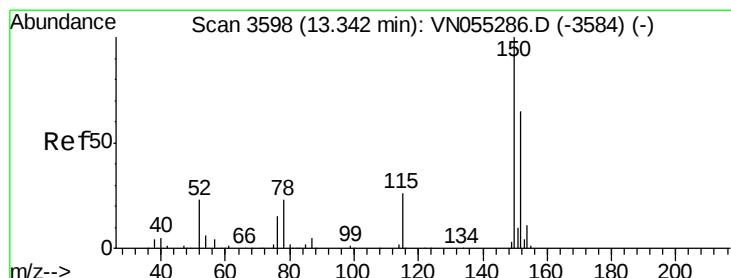
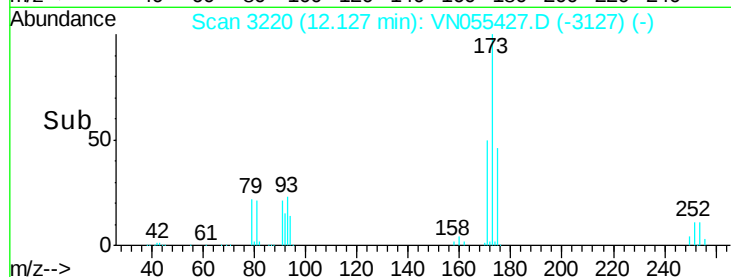
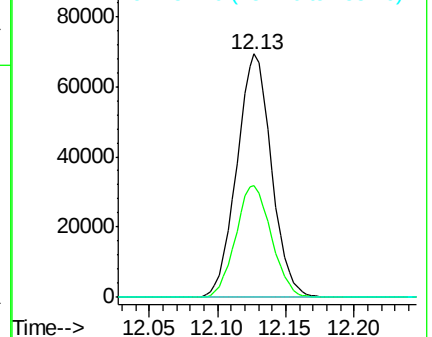
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

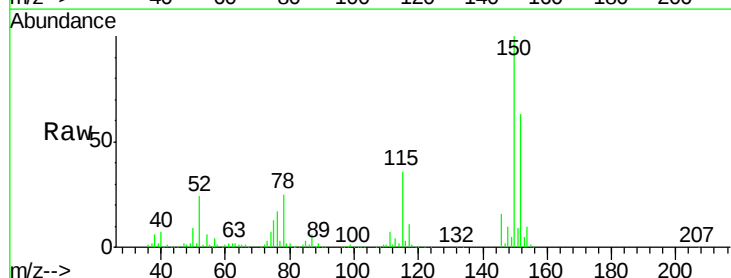
Tgt Ion:152 Resp: 214980

Ion Ratio Lower Upper

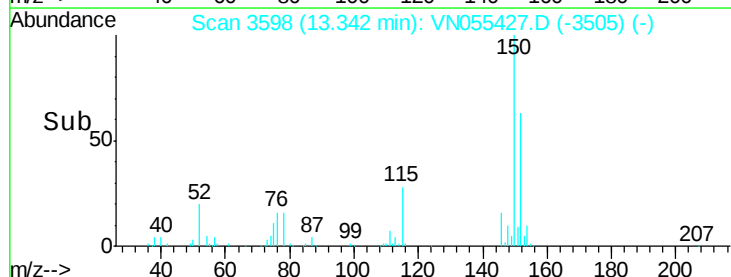
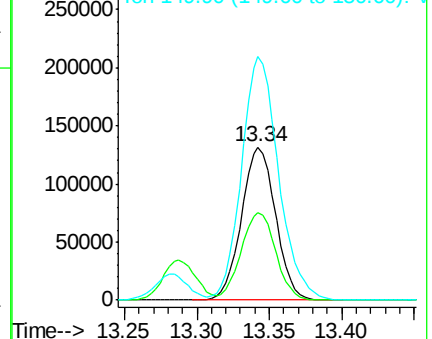
152 100

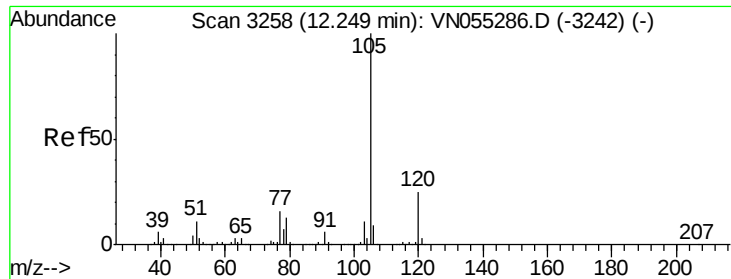
115 58.2 29.0 87.0

150 172.7 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





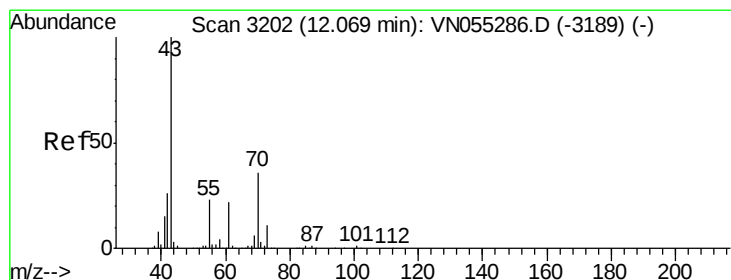
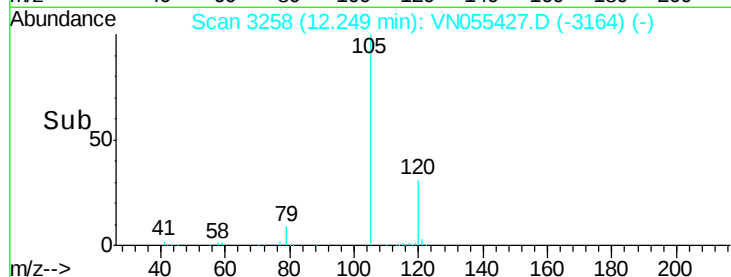
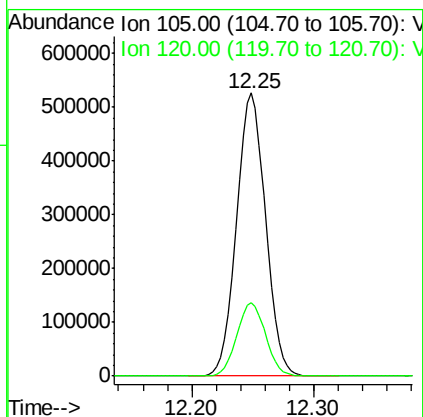
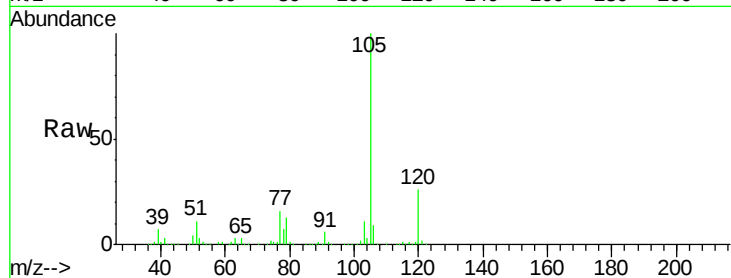
#73
Isopropylbenzene
Concen: 50.463 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

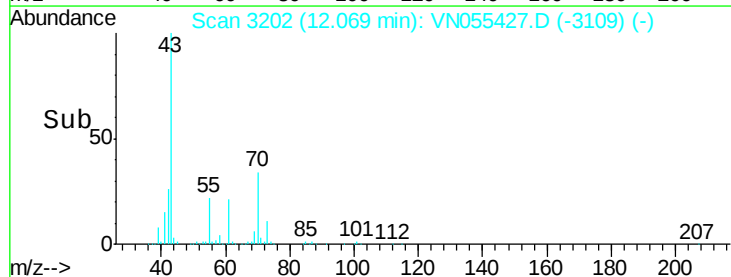
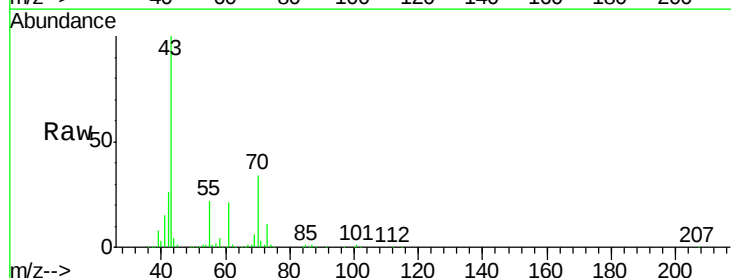
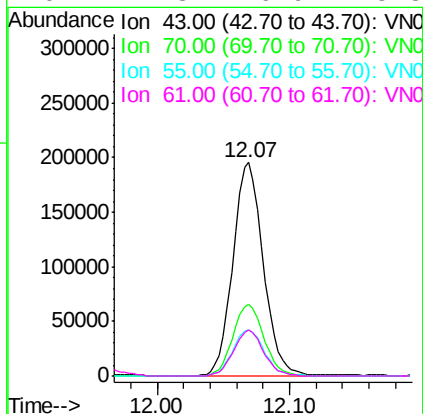
Manual Integrations
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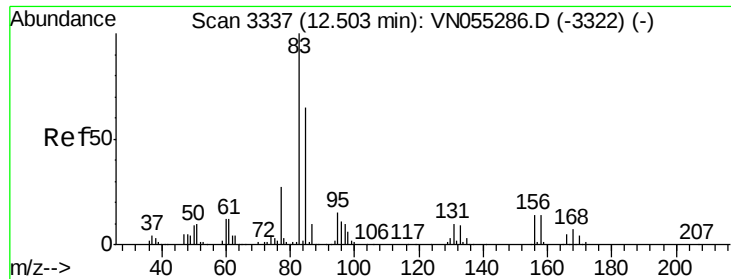
MMDadoda
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#74
N-ethyl acetate
Concen: 56.386 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion	Ratio	Lower	Upper
43	100		
70	34.2	27.9	41.9
55	22.6	18.2	27.2
61	21.3	16.9	25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 53.668 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

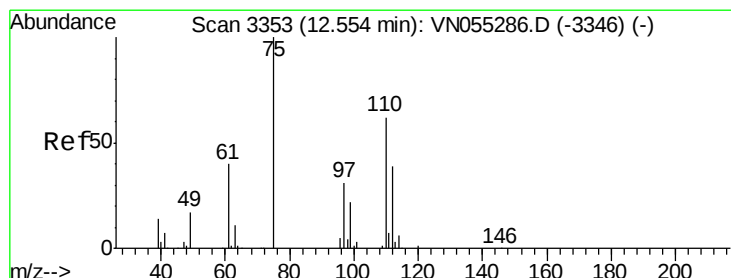
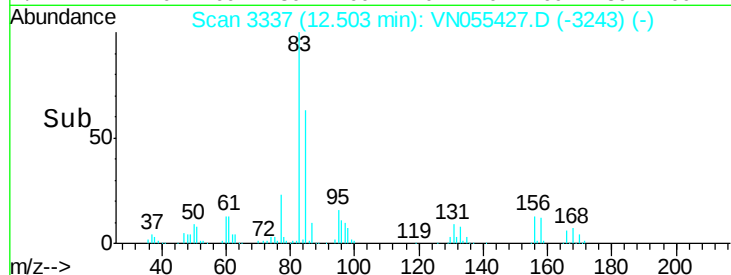
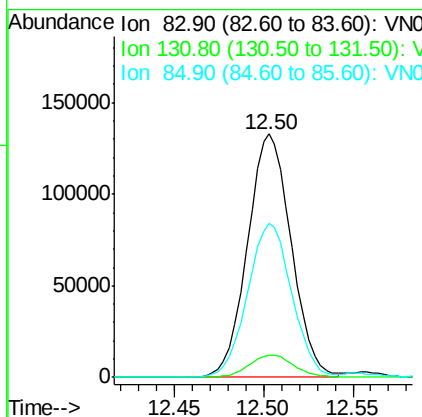
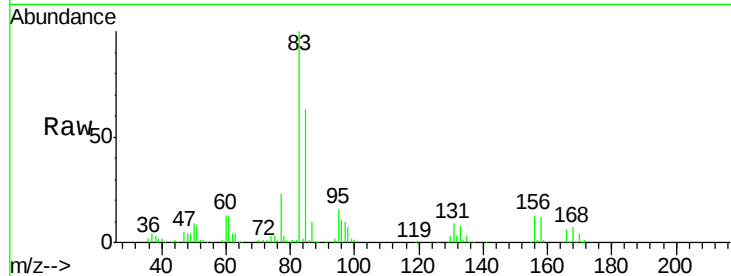
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	227605
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.1	15.2
85	64.0	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.748 ug/l m

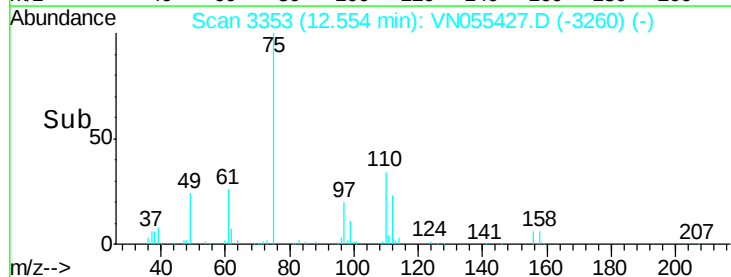
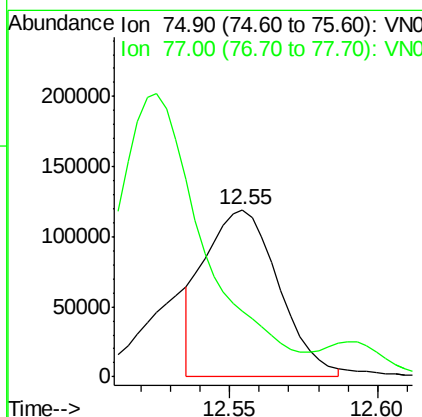
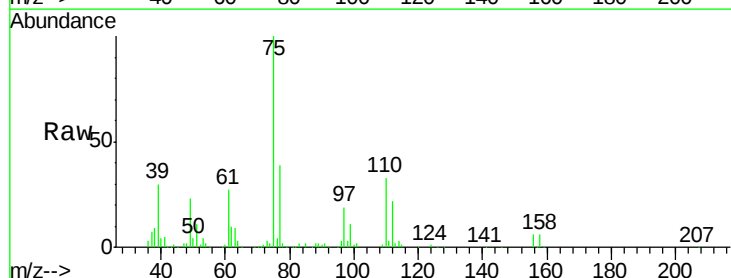
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Tgt Ion:	75	Resp:	206431
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.640 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

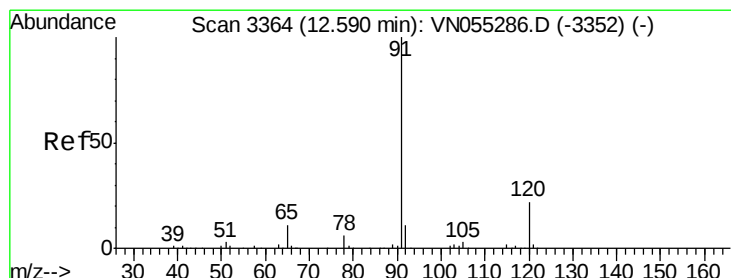
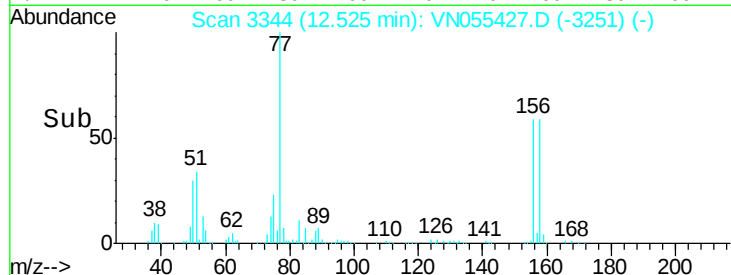
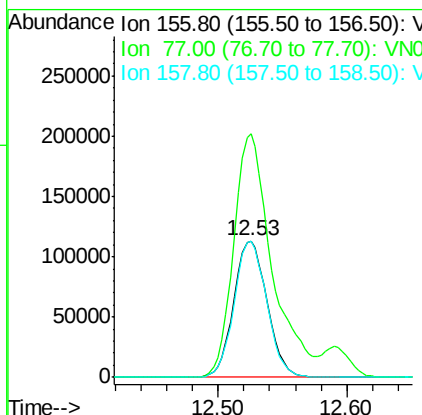
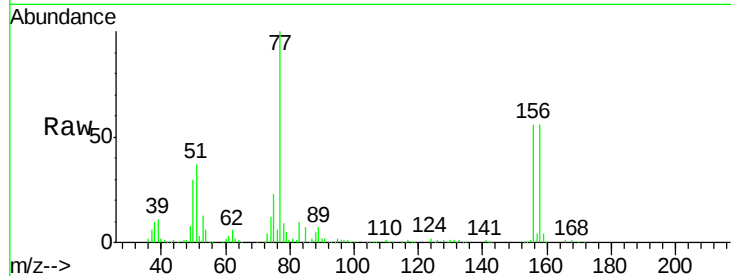
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	203640
Ion Ratio	Lower	Upper	
156	100		
77	205.7	99.6	298.8
158	97.5	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 43.893 ug/l

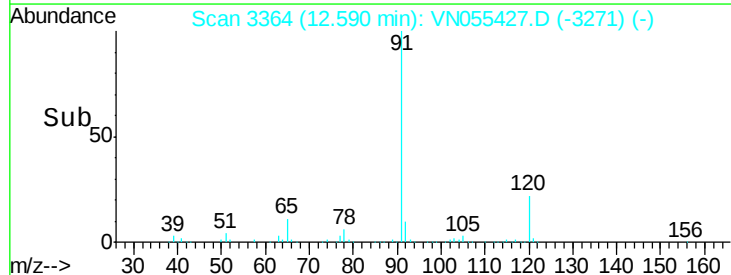
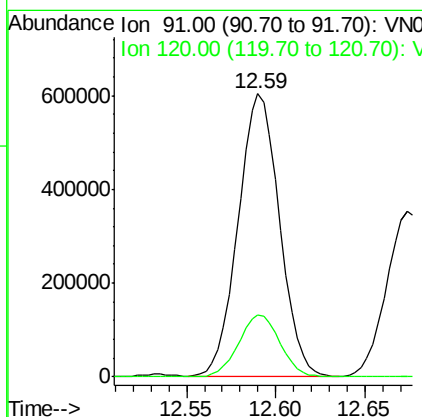
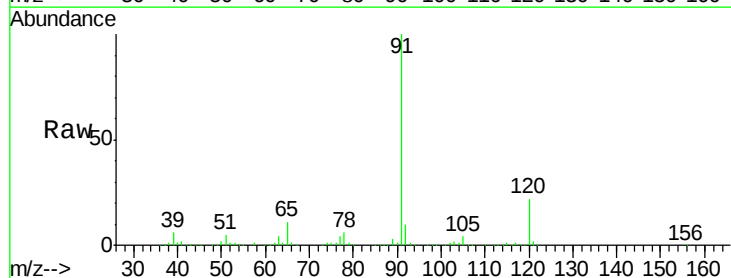
RT: 12.59 min Scan# 3364

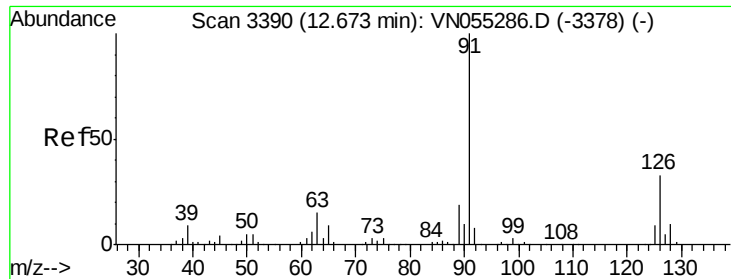
Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Tgt Ion:	91	Resp:	969285
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.0	33.0





#79

2-Chlorotoluene

Concen: 50.798 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 591354

Ion Ratio Lower Upper

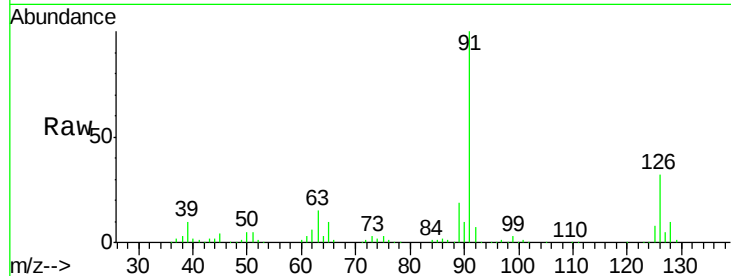
91 100

126 32.4 16.6 49.7

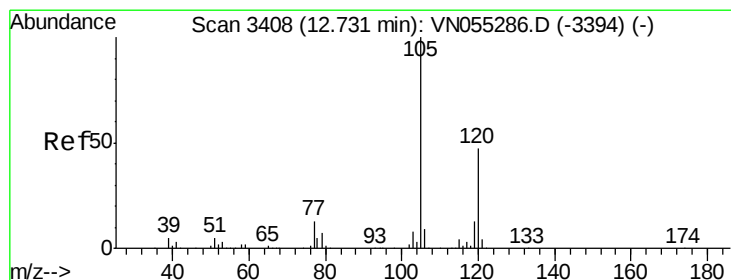
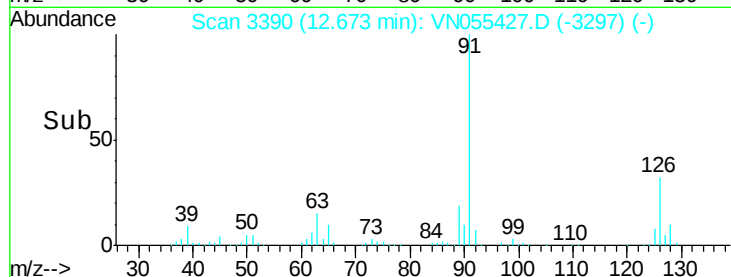
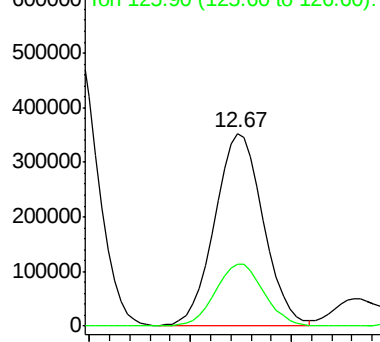
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN055427.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 43.520 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055427.D

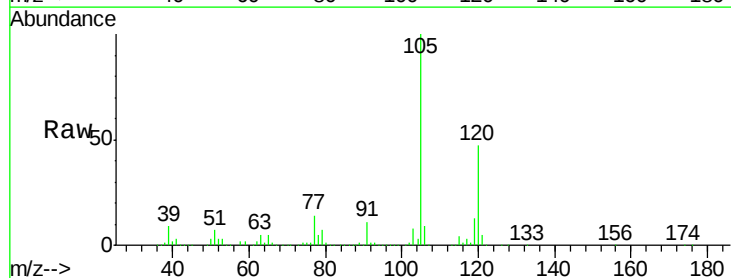
Acq: 6 May 2019 20:00

Tgt Ion: 105 Resp: 733476

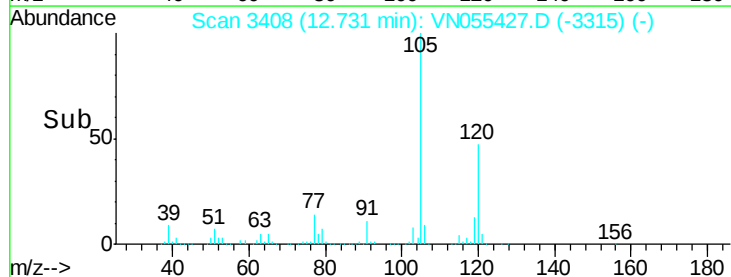
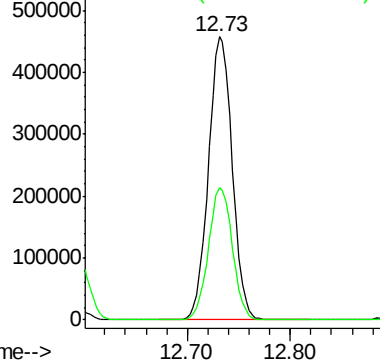
Ion Ratio Lower Upper

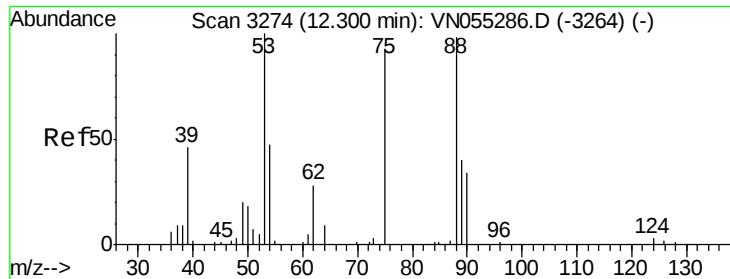
105 100

120 47.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055427.D (-3315) (-)





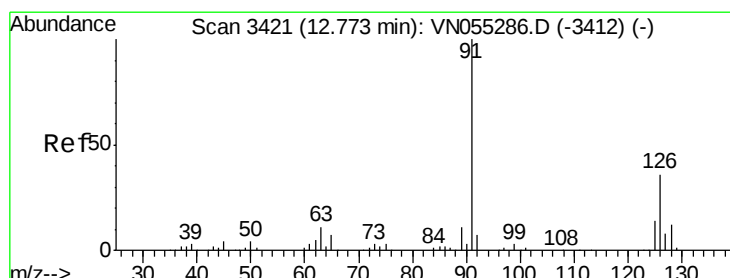
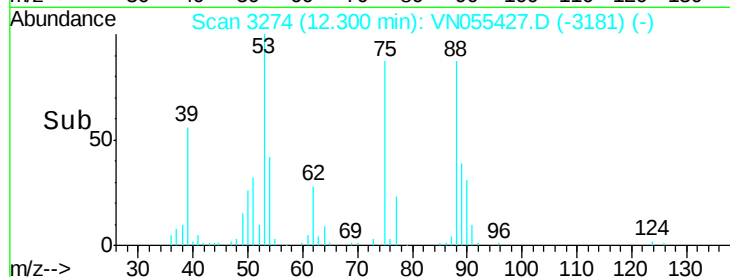
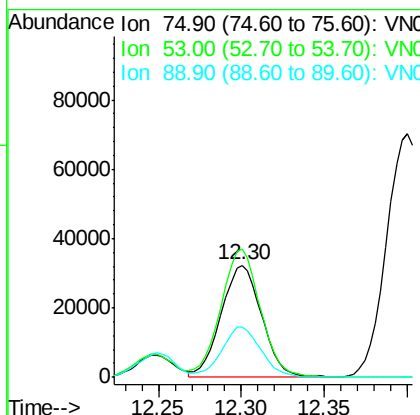
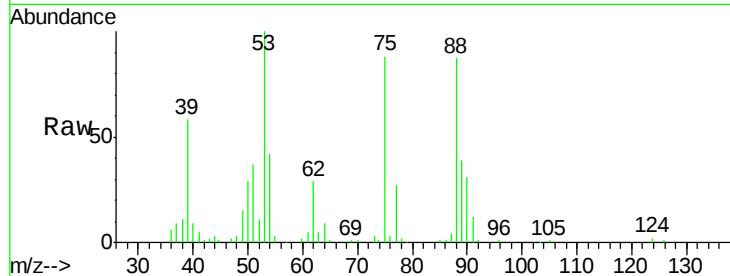
#81
trans-1,4-Dichloro-2-butene
Concen: 48.632 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.5	86.3	129.5
89	43.2	34.6	51.8

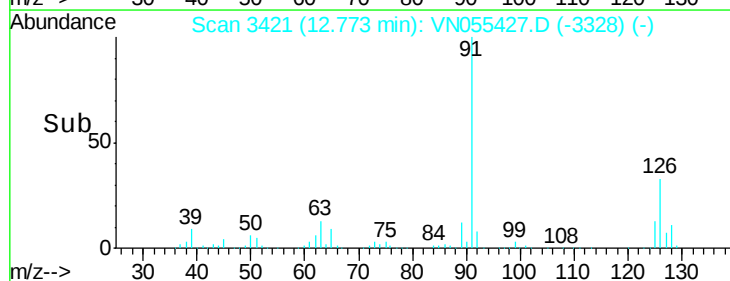
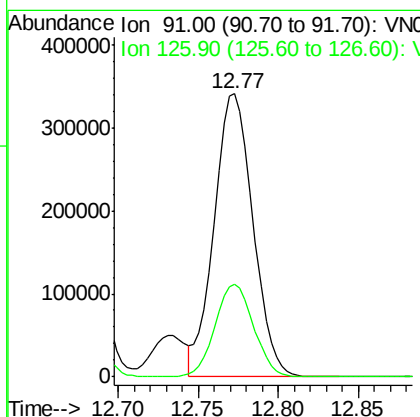
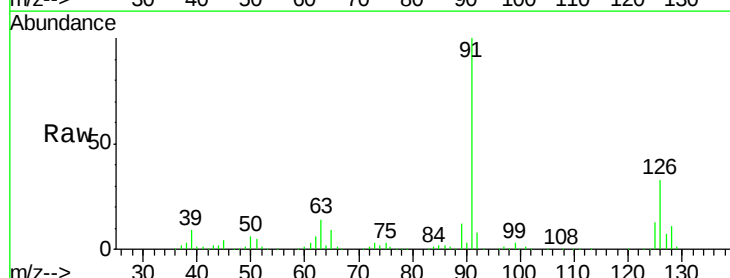
Manual Integrations
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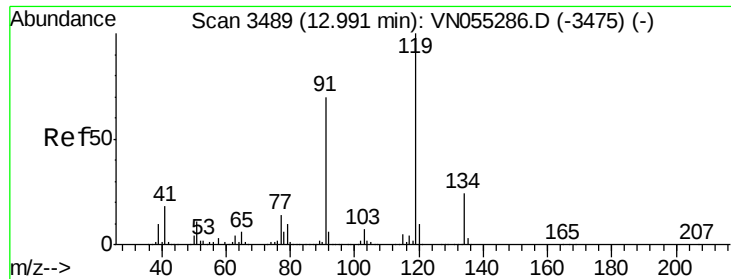
MMDadoda
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#82
4-Chlorotoluene
Concen: 44.466 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.7





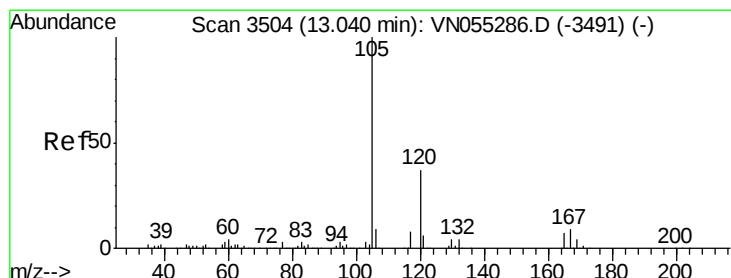
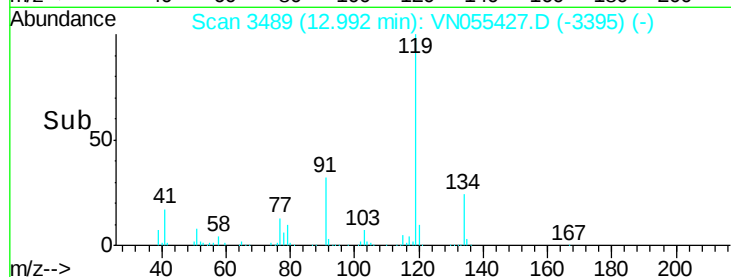
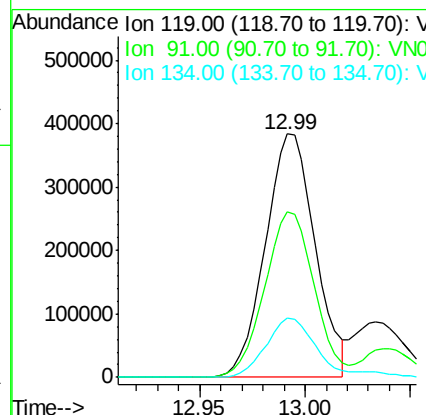
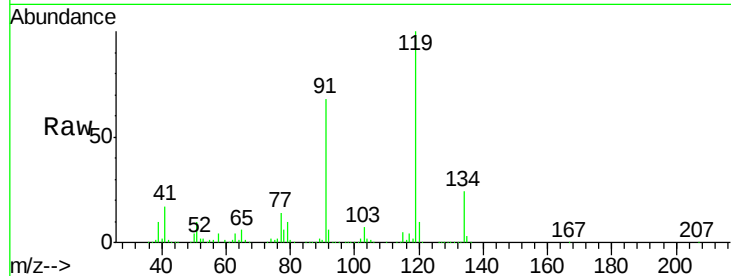
#83
 tert-Butylbenzene
 Concen: 52.929 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	34.3	102.9
134	25.7	13.1	39.3

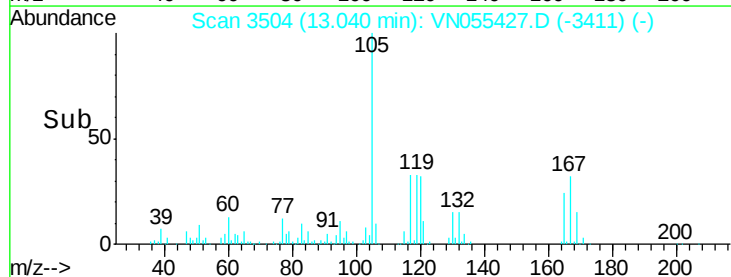
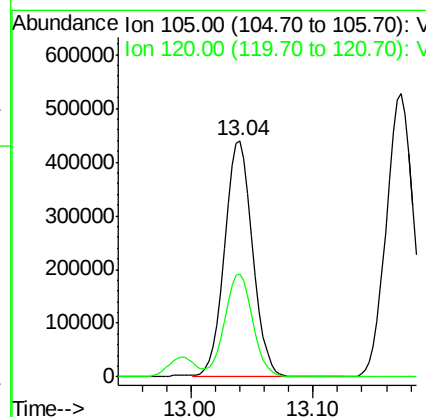
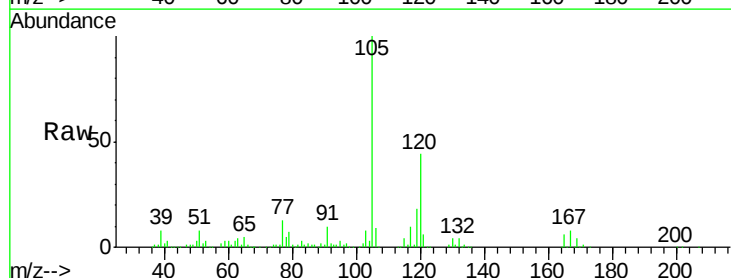
Manual Integrations
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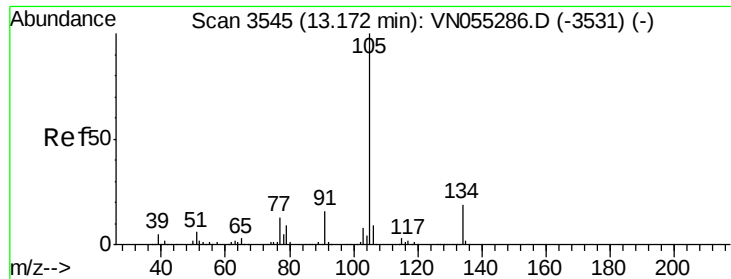
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.027 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.5





#85

sec-Butylbenzene

Concen: 45.206 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 828103

Ion Ratio Lower Upper

105 100

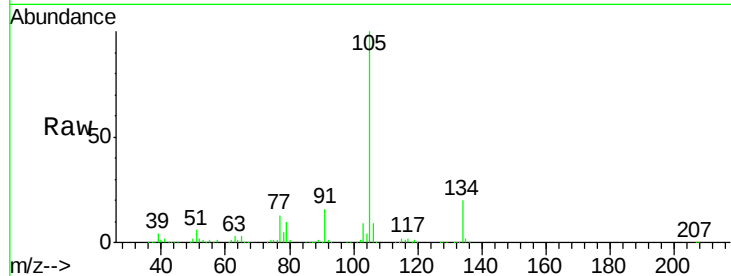
134 19.6 9.6 28.8

Manual Integrations

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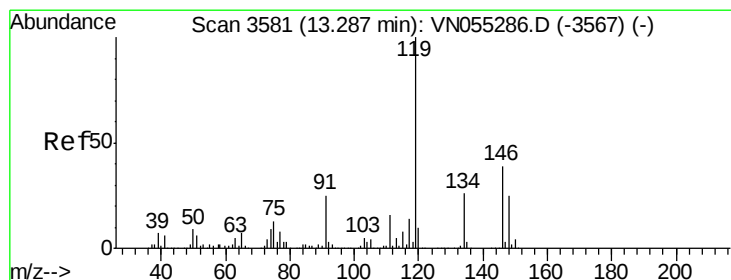
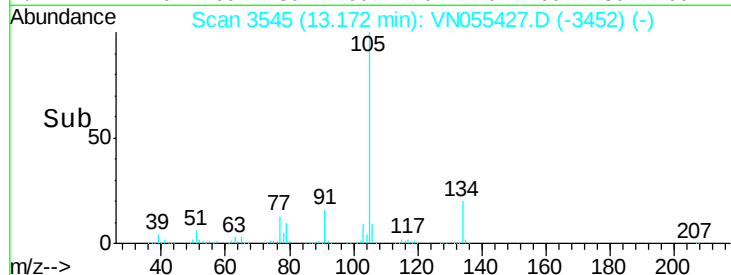
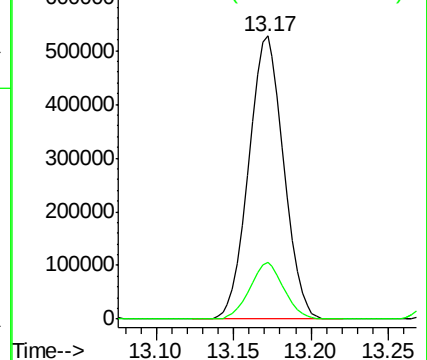
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.146 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

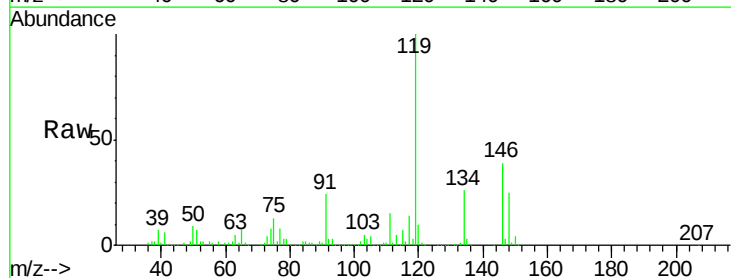
Tgt Ion:119 Resp: 724889

Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

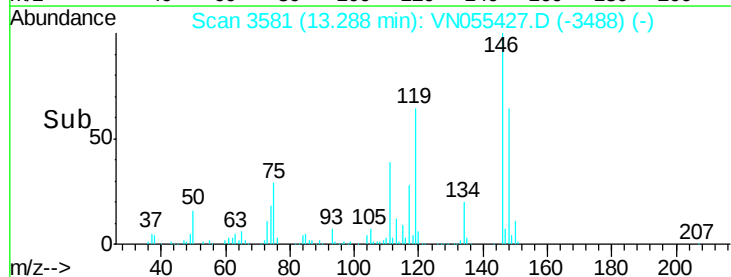
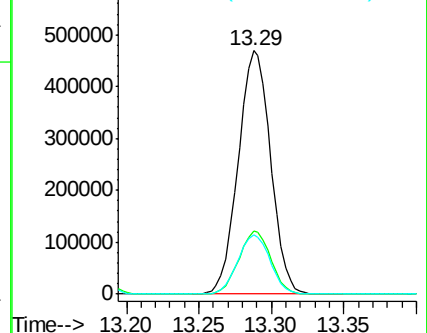
91 24.2 12.2 36.6

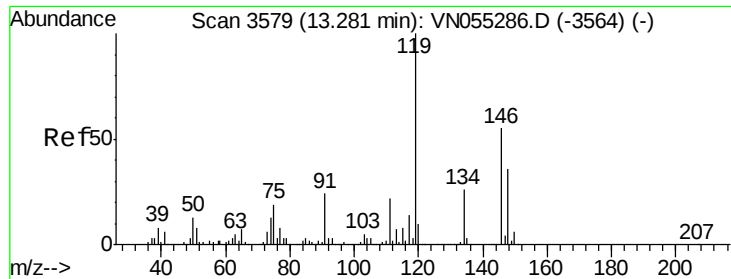


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





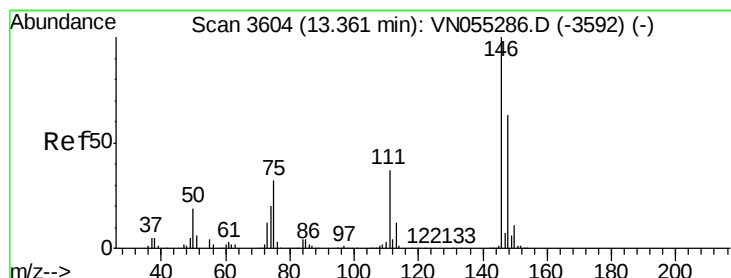
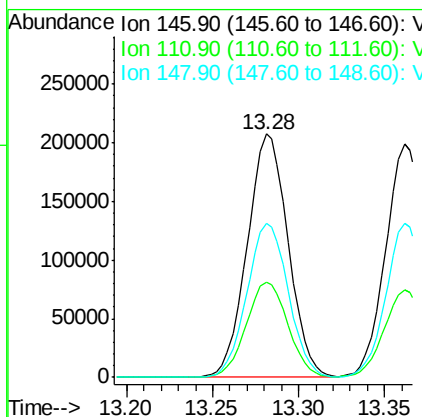
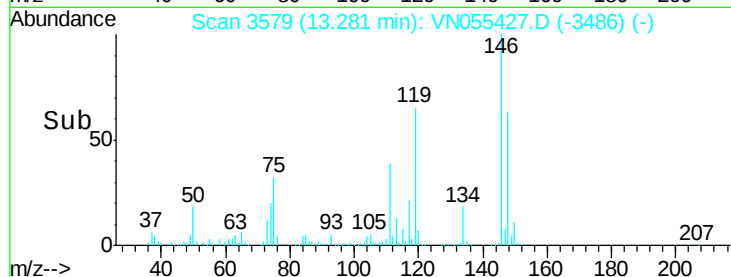
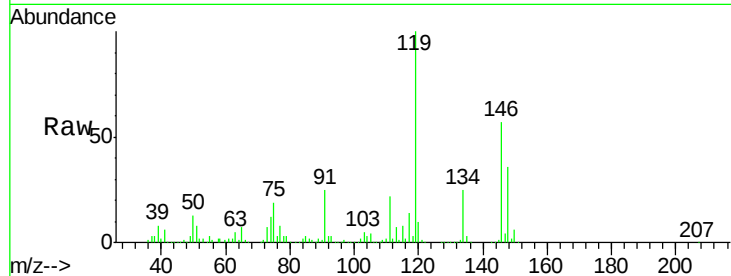
#87
 1,3-Dichlorobenzene
 Concen: 47.438 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	60.8
148	64.1	32.5	97.5

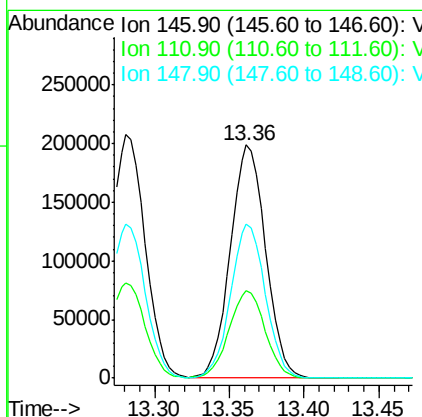
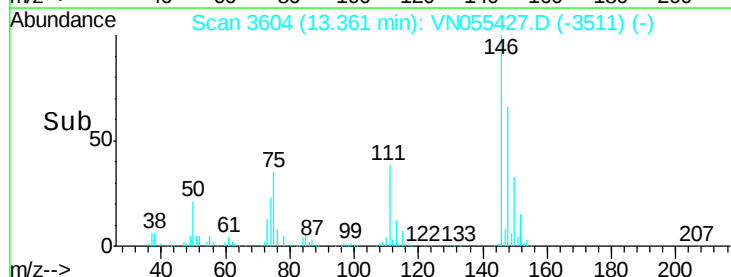
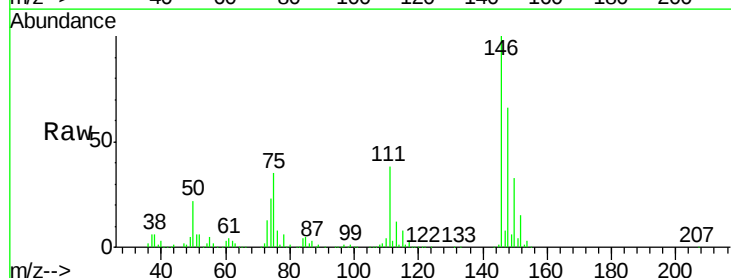
Manual Integrations
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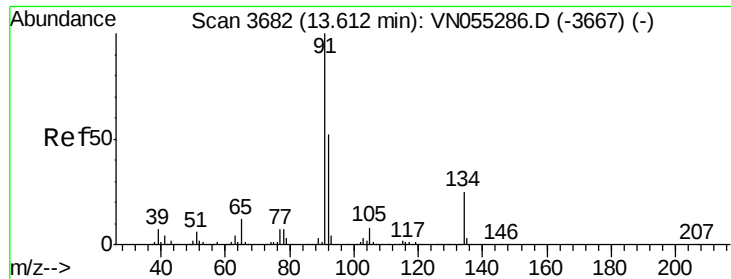
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#88
 1,4-Dichlorobenzene
 Concen: 48.127 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.5	58.5
148	65.2	32.5	97.4





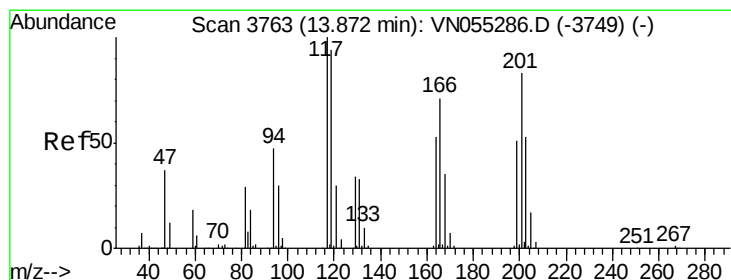
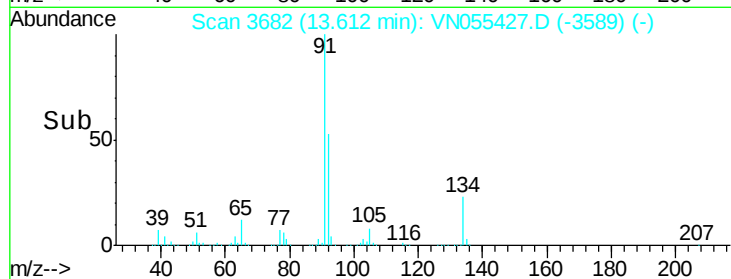
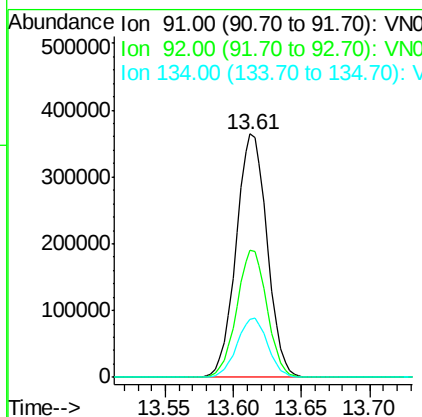
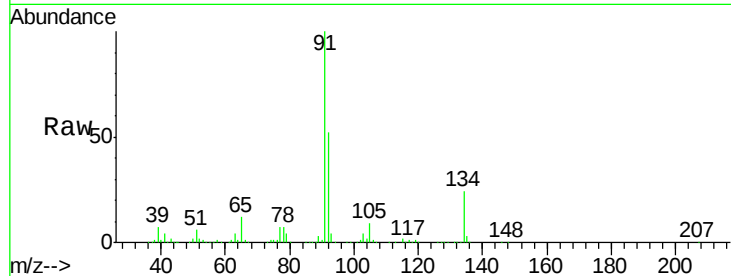
#89
n-Butylbenzene
Concen: 53.557 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.1	78.3
134	24.2	12.4	37.4

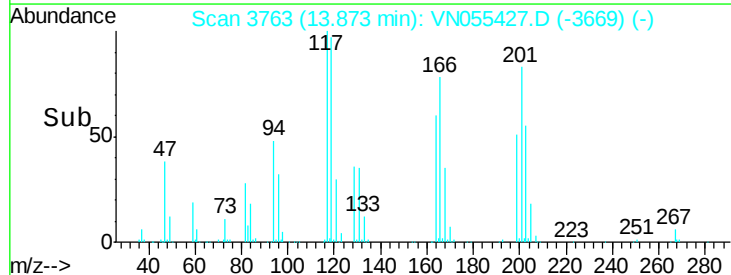
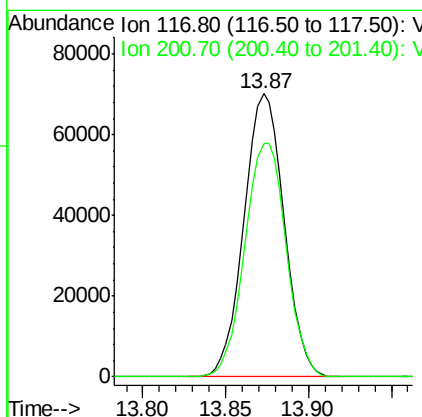
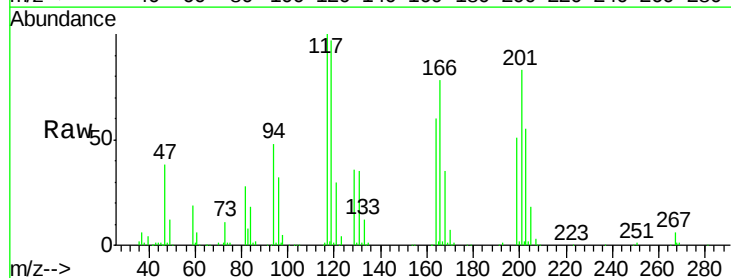
Manual Integrations
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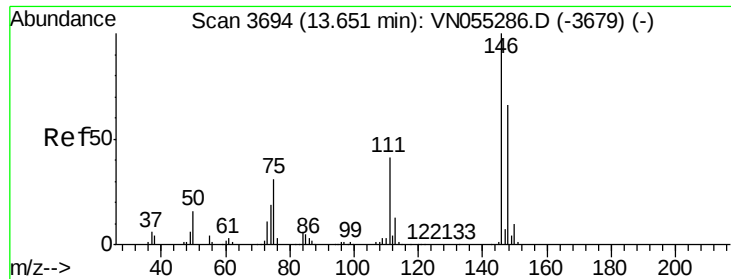
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#90
Hexachloroethane
Concen: 49.703 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.0	41.9	125.8





#91

1,2-Dichlorobenzene

Concen: 48.440 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Instrument :

MSVOA_N

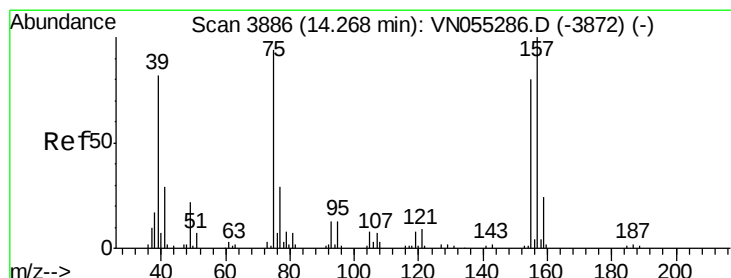
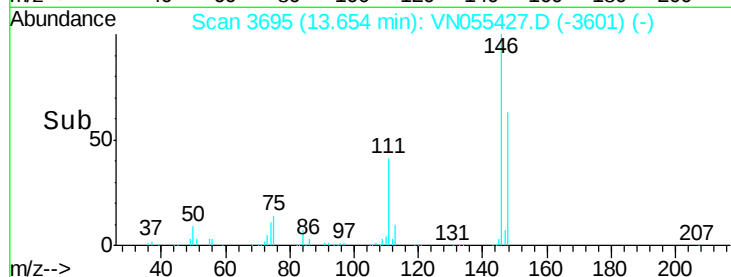
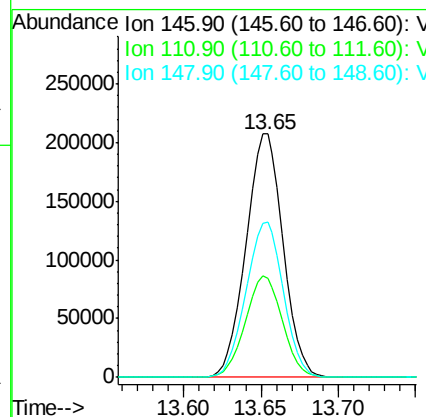
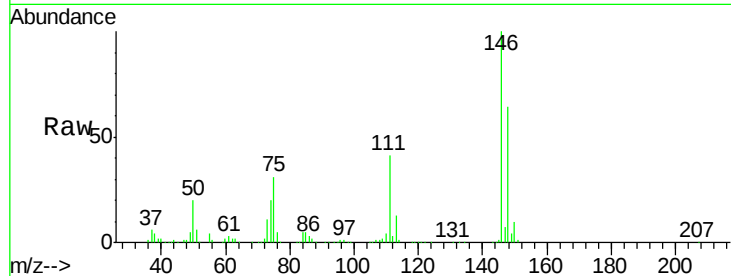
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	345375
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.3	61.0
148	64.4	32.4	97.2

Manual Integrations
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5/7/2019 1:22:51 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 61.431 ug/l

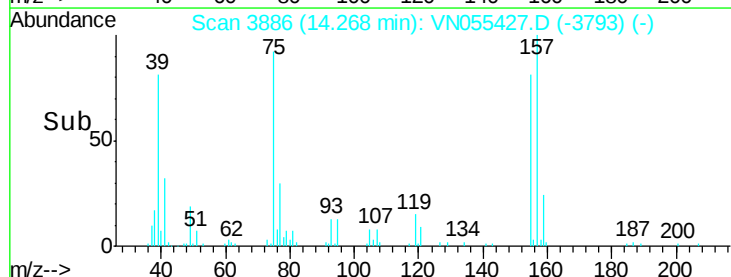
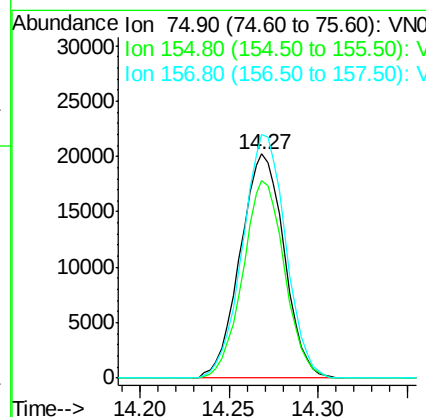
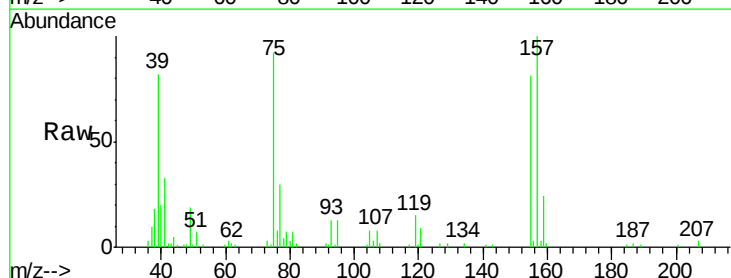
RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055427.D

Acq: 6 May 2019 20:00

Tgt Ion:	75	Resp:	34744
Ion Ratio	Lower	Upper	
75	100		
155	83.4	41.5	124.6
157	106.6	54.0	162.2





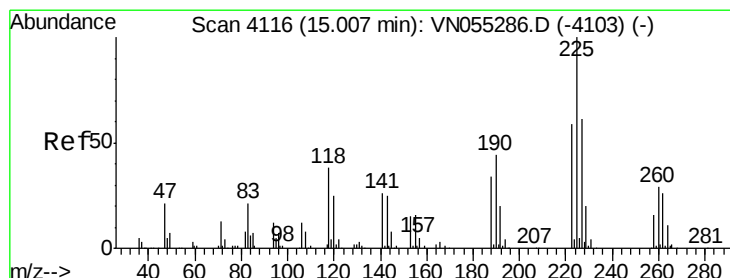
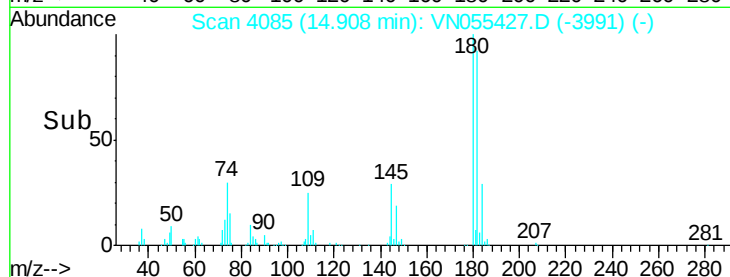
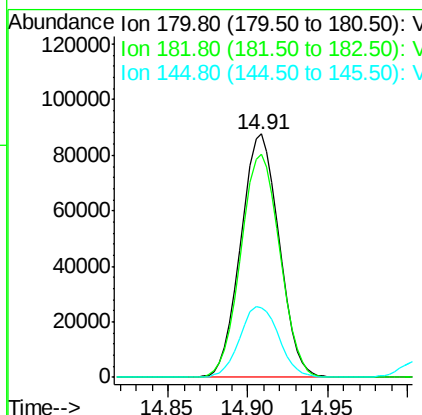
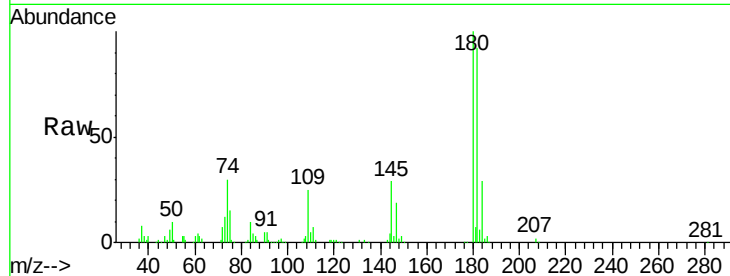
#93
 1,2,4-Trichlorobenzene
 Concen: 50.889 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	143220		
182	93.2	48.3	144.9	
145	29.8	14.2	42.6	

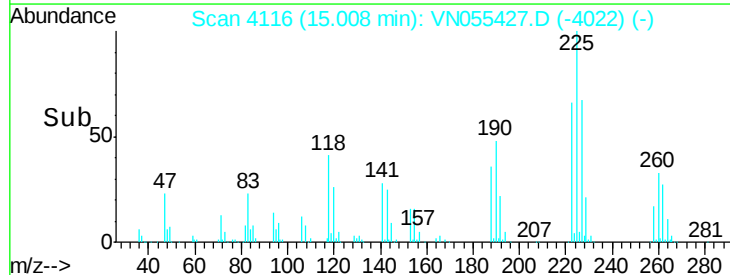
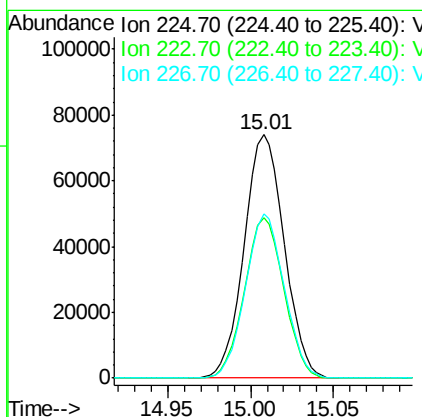
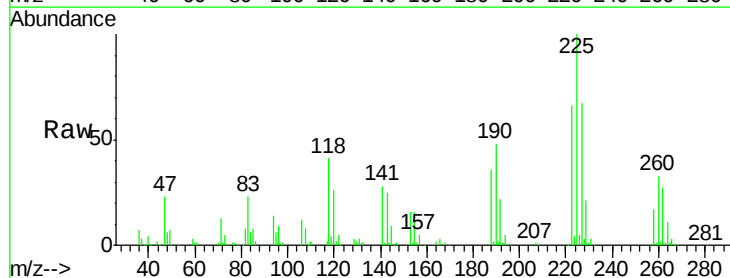
Manual Integrations
 APPROVED

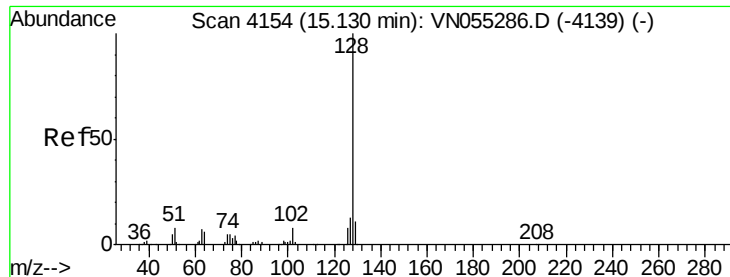
MMDadoda
 5/7/2019 1:22:51 PM



#94
 Hexachlorobutadiene
 Concen: 58.444 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055427.D
 Acq: 6 May 2019 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	124375		
223	64.6	30.3	90.8	
227	65.2	30.9	92.7	





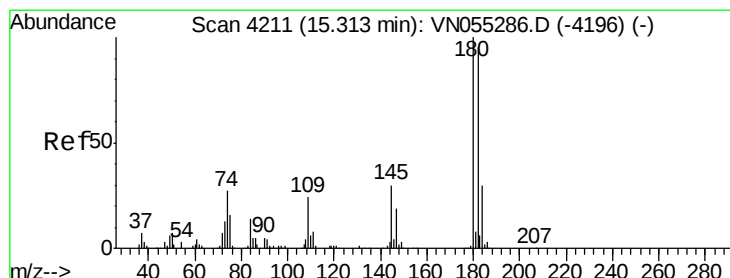
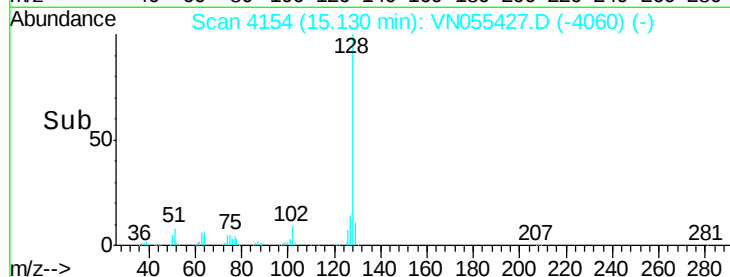
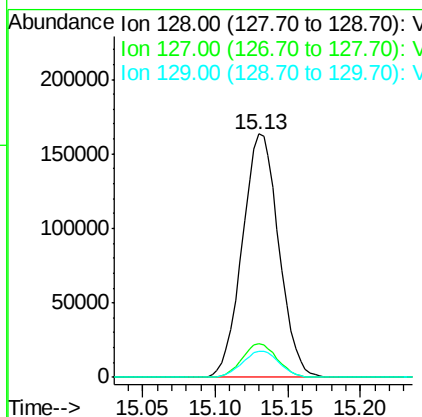
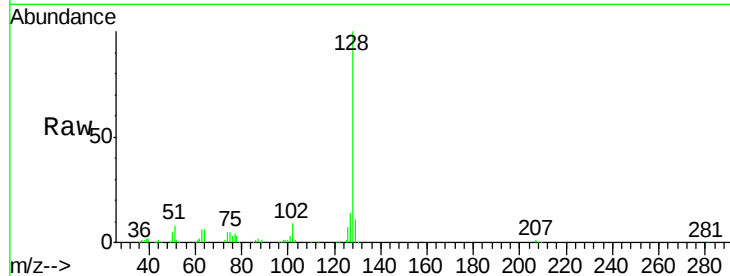
#95
Naphthalene
Concen: 47.962 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/7/2019 1:22:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.093 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055427.D
Acq: 6 May 2019 20:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.3	144.9
145	31.8	15.2	45.6

