

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055511.D
 Acq On : 9 May 2019 21:29
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 12:44:52 PM

Quant Time: May 10 05:13:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	715898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1239631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1082625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	458123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	520793	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	7.59	113	404258	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.09	98	1592613	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.40	95	545609	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	329638	45.226	ug/l	100
3) Chloromethane	2.06	50	523572	44.216	ug/l	99
4) Vinyl Chloride	2.19	62	517266	46.277	ug/l	99
5) Bromomethane	2.54	94	273668	44.686	ug/l	99
6) Chloroethane	2.69	64	319050	49.003	ug/l	99
7) Trichlorofluoromethane	3.01	101	596559	48.649	ug/l	100
8) Diethyl Ether	3.41	74	271071	49.222	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	371224	47.582	ug/l	100
10) Methyl Iodide	3.95	142	447270	42.416	ug/l	98
11) Tert butyl alcohol	4.81	59	345073	216.817	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	377023	48.186	ug/l	99
13) Acrolein	3.61	56	222535	209.800	ug/l	98
14) Allyl chloride	4.32	41	747799	46.656	ug/l	99
15) Acrylonitrile	4.99	53	1139915	231.307	ug/l	99
16) Acetone	3.82	43	973468	195.044	ug/l	96
17) Carbon Disulfide	4.05	76	1015582	47.557	ug/l	100
18) Methyl Acetate	4.33	43	474647	45.212	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	1270888	48.882	ug/l	97
20) Methylene Chloride	4.55	84	464174	45.481	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	414251	48.832	ug/l	95
22) Diisopropyl ether	5.96	45	1594790	48.964	ug/l	97
23) Vinyl Acetate	5.90	43	6270484	248.941	ug/l	100
24) 1,1-Dichloroethane	5.85	63	844705	48.043	ug/l	99
25) 2-Butanone	6.84	43	1547060	224.391	ug/l	99
26) 2,2-Dichloropropane	6.82	77	516060	47.084	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	484181	49.386	ug/l	99
28) Bromochloromethane	7.19	49	457375	50.092	ug/l	96
29) Tetrahydrofuran	7.22	42	1032885	226.618	ug/l	99
30) Chloroform	7.37	83	794302	48.869	ug/l	98
31) Cyclohexane	7.65	56	789607	45.390	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	615742	49.747	ug/l	100
36) 1,1-Dichloropropene	7.79	75	605211	49.557	ug/l	99
37) Ethyl Acetate	6.93	43	627229	47.083	ug/l	98
38) Carbon Tetrachloride	7.77	117	493537	47.993	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	704334	47.302	ug/l	98
40) Benzene	8.04	78	1847087	48.733	ug/l	99
41) Methacrylonitrile	7.18	41	263802	42.665	ug/l #	81
42) 1,2-Dichloroethane	8.13	62	631093	47.393	ug/l	99
43) Isopropyl Acetate	8.17	43	981823	48.511	ug/l #	88
44) Trichloroethene	8.83	130	441247	48.927	ug/l	95
45) 1,2-Dichloropropane	9.12	63	526452	48.544	ug/l	99
46) Dibromomethane	9.21	93	307735	48.955	ug/l	99
47) Bromodichloromethane	9.40	83	601927	50.054	ug/l	96
48) Methyl methacrylate	9.20	41	474159	48.625	ug/l	99
49) 1,4-Dioxane	9.20	88	173027	910.397	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	3092282	232.312	ug/l	99
52) Toluene	10.16	92	1098152	50.679	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	607185	52.571	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	718713	52.076	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	436739	49.746	ug/l	99
56) Ethyl methacrylate	10.43	69	656162	50.247	ug/l	98
57) 1,3-Dichloropropane	10.71	76	772773	49.580	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	914695	210.171	ug/l	99
59) 2-Hexanone	10.75	43	2100973	225.065	ug/l	99
60) Dibromochloromethane	10.90	129	413687	51.826	ug/l	100
61) 1,2-Dibromoethane	11.00	107	423072	50.155	ug/l	98
64) Tetrachloroethene	10.63	164	423290	47.716	ug/l	100
65) Chlorobenzene	11.43	112	1116582	50.131	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	393122	51.268	ug/l	100
67) Ethyl Benzene	11.51	91	2071946	49.529	ug/l	100
68) m/p-Xylenes	11.62	106	1516930	101.043	ug/l	99
69) o-Xylene	11.95	106	742176	50.298	ug/l	100
70) Styrene	11.96	104	1246769	52.740	ug/l	100
71) Bromoform	12.13	173	270372	52.252	ug/l	98
73) Isopropylbenzene	12.25	105	1974050	52.377	ug/l	99
74) N-amyl acetate	12.07	43	795416	45.732	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	616665	50.218	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	512196m	41.069	ug/l	
77) Bromobenzene	12.53	156	453919	44.960	ug/l	97
78) n-propylbenzene	12.59	91	2250328	45.798	ug/l	100
79) 2-Chlorotoluene	12.67	91	1359604	44.399	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1675647	45.735	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	152428	45.097	ug/l	98
82) 4-Chlorotoluene	12.77	91	1340040	46.312	ug/l	98
83) tert-Butylbenzene	12.99	119	1384275	44.079	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1607661	47.844	ug/l	100
85) sec-Butylbenzene	13.17	105	1879699	45.037	ug/l	100
86) p-Isopropyltoluene	13.29	119	1606943	47.308	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	763242	48.923	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	742868	48.250	ug/l	99
89) n-Butylbenzene	13.61	91	1280316	48.627	ug/l	99
90) Hexachloroethane	13.87	117	253518	45.753	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	759770	48.728	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	94380	44.801	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	298531	44.360	ug/l	99
94) Hexachlorobutadiene	15.01	225	238974	51.879	ug/l	99
95) Naphthalene	15.13	128	789475	41.841	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	325634	44.571	ug/l	99

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

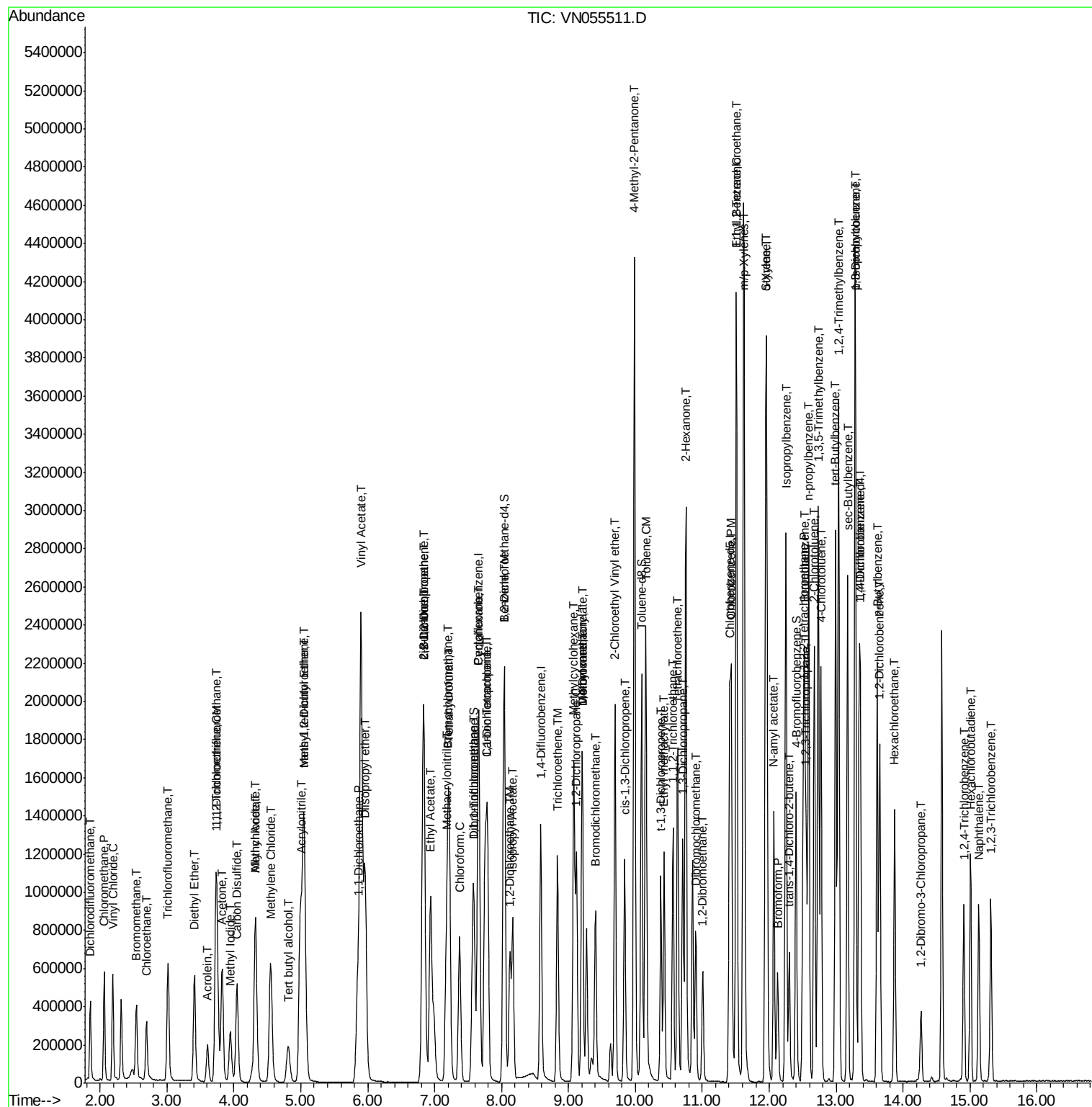
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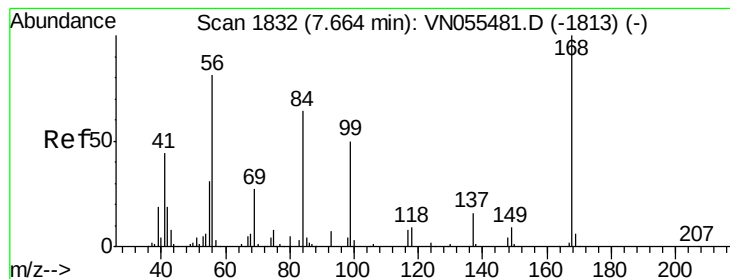
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 715898

Ion Ratio Lower Upper

168 100

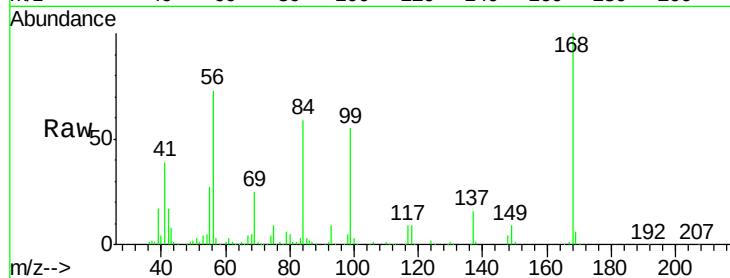
99 54.0 47.0 70.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

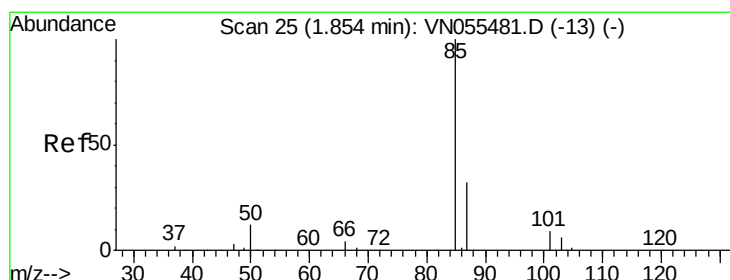
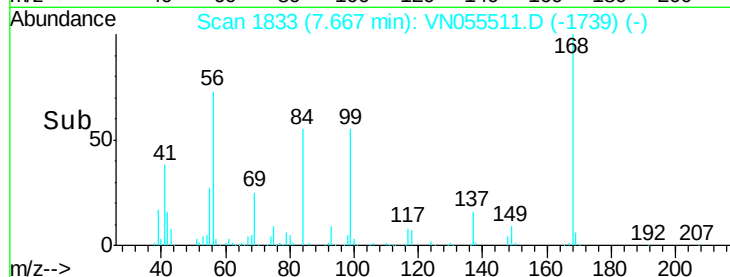
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.226 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055511.D

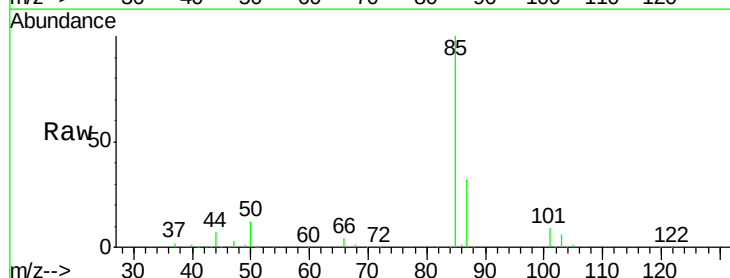
Acq: 9 May 2019 21:29

Tgt Ion: 85 Resp: 329638

Ion Ratio Lower Upper

85 100

87 32.1 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

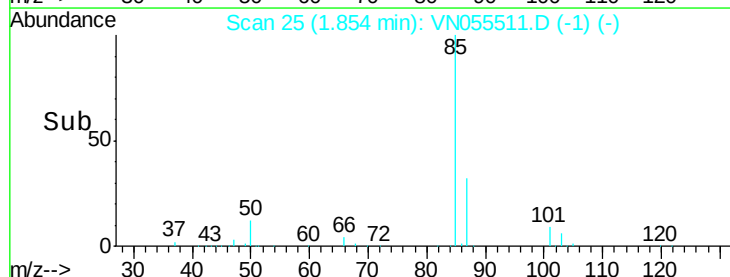
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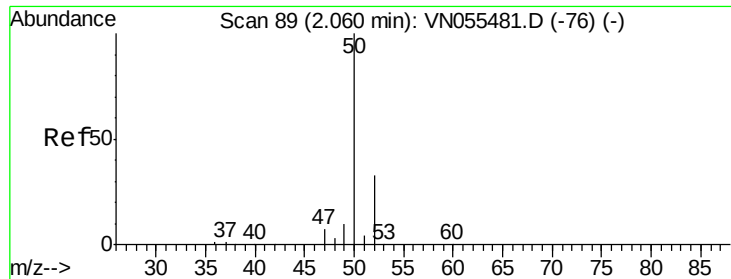
100000

50000

0

Time-->





#3

Chloromethane

Concen: 44.216 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 523572

Ion Ratio Lower Upper

50 100

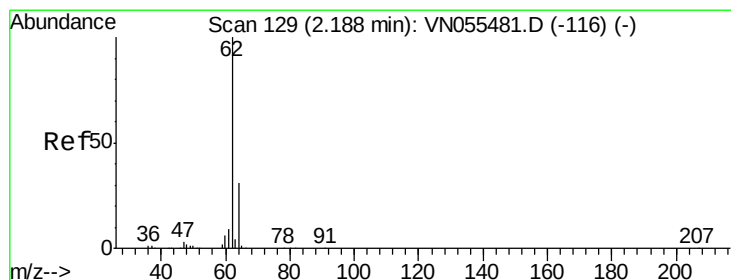
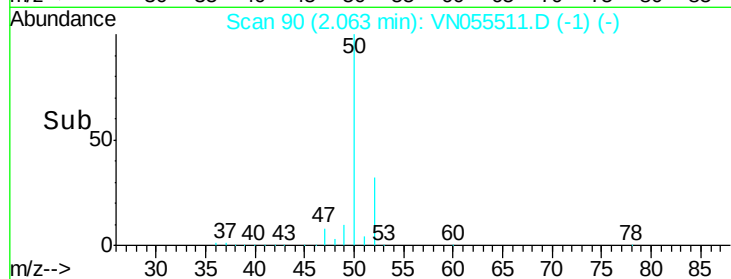
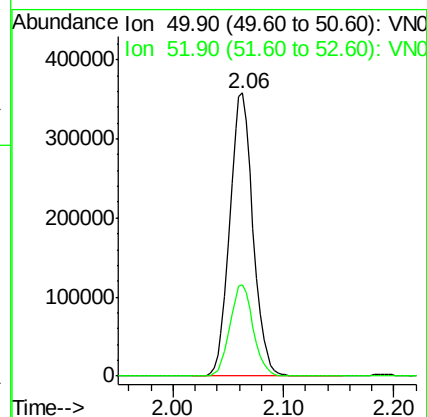
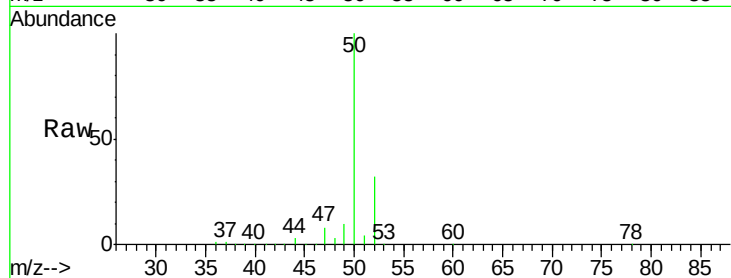
52 32.4 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.277 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055511.D

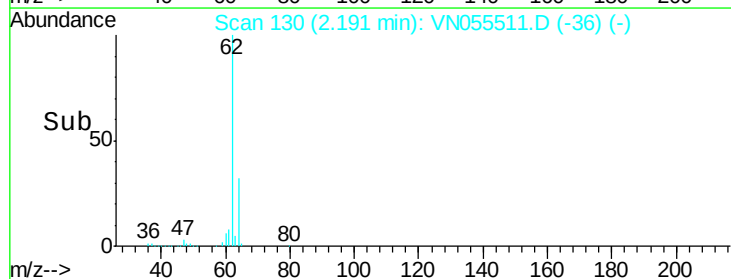
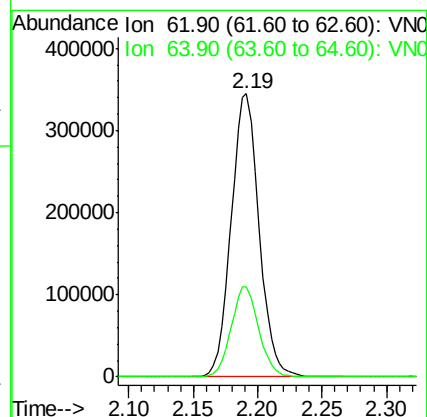
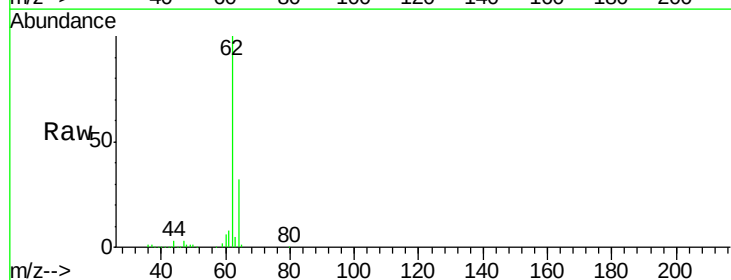
Acq: 9 May 2019 21:29

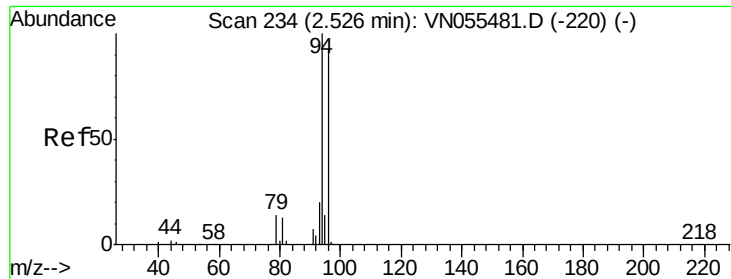
Tgt Ion: 62 Resp: 517266

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.6





#5

Bromomethane

Concen: 44.686 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 273668

Ion Ratio Lower Upper

94 100

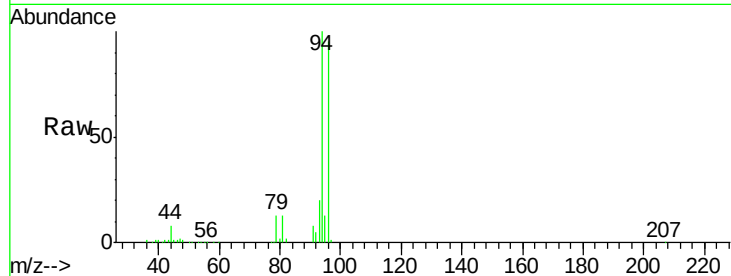
96 94.8 74.8 112.2

Manual Integrations

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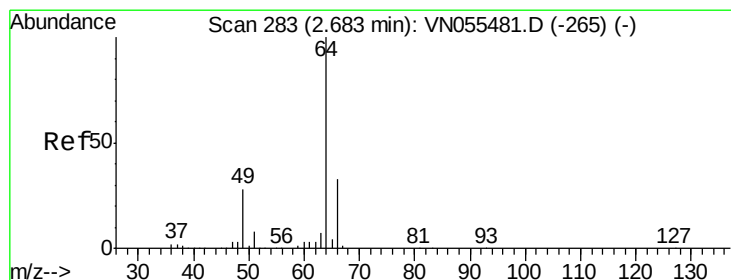
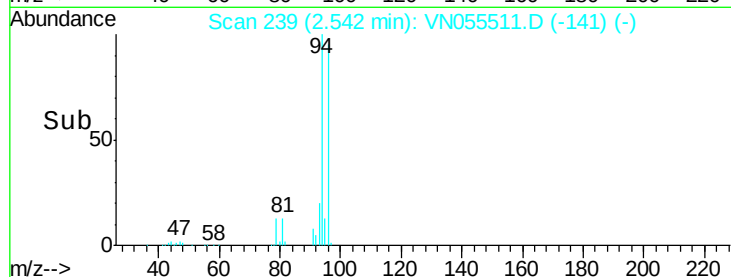
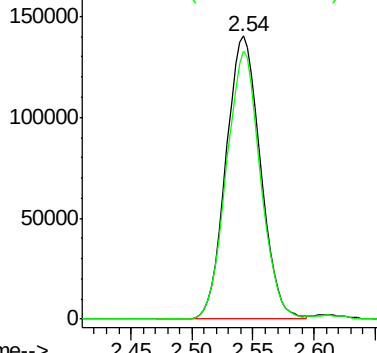
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 49.003 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN055511.D

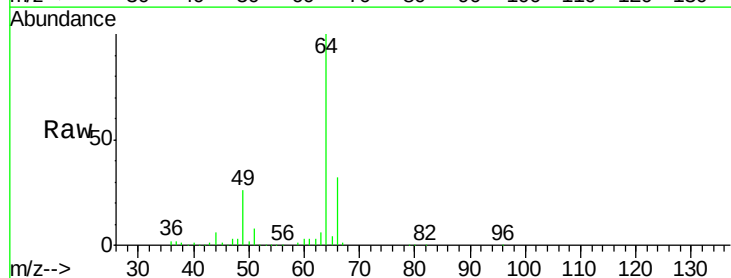
Acq: 9 May 2019 21:29

Tgt Ion: 64 Resp: 319050

Ion Ratio Lower Upper

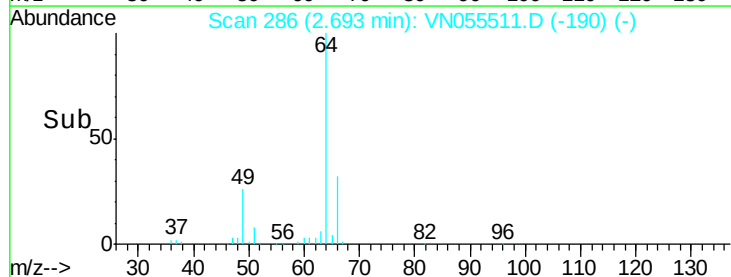
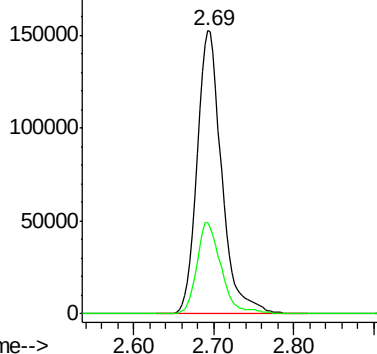
64 100

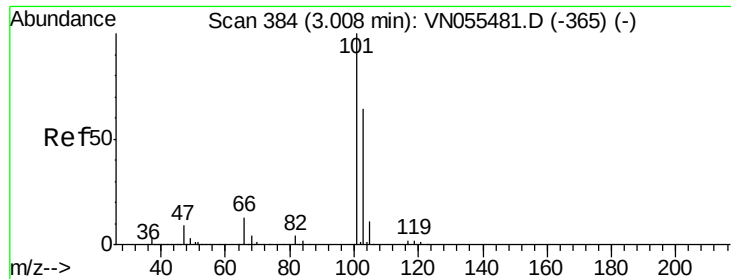
66 32.4 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

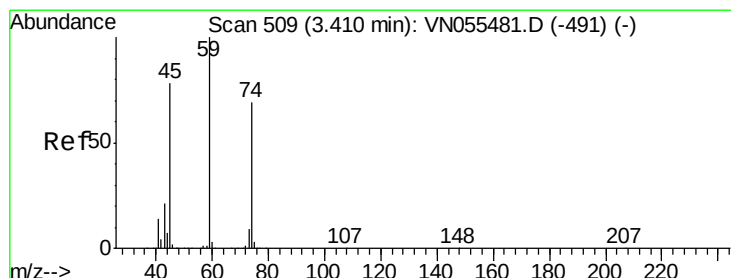
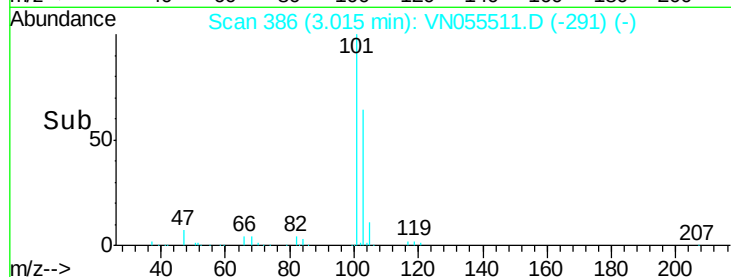
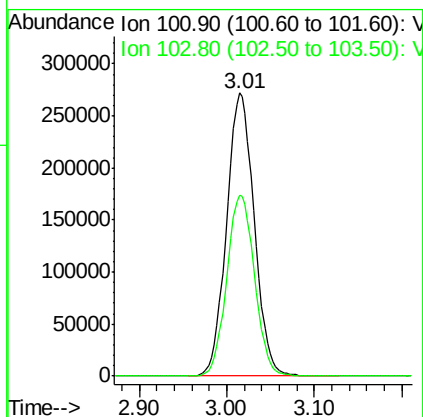
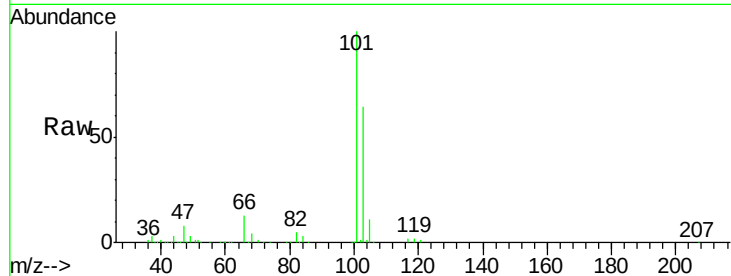
Trichlorofluoromethane
Concen: 48.649 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.01 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	596559		
103	63.9	51.2	76.8	

Manual Integrations
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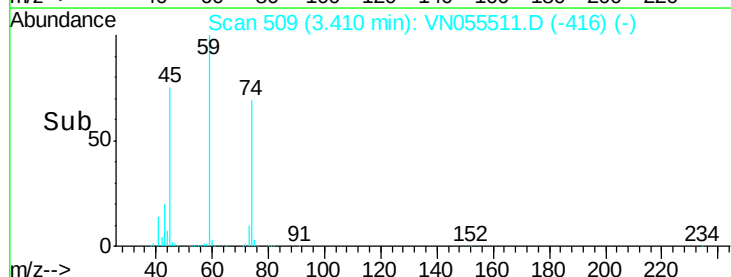
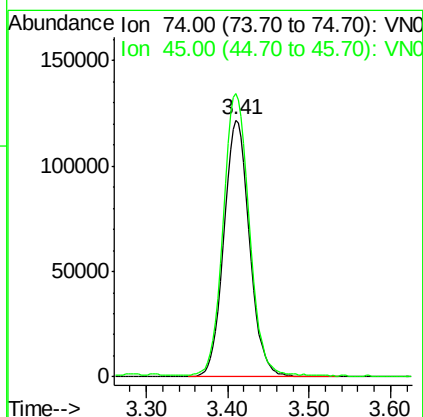
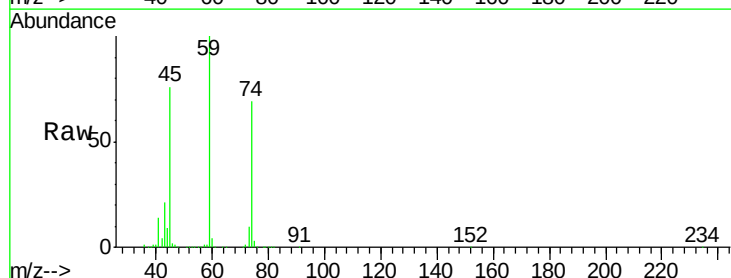
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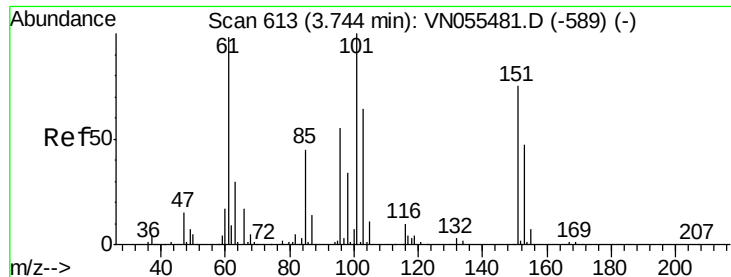


#8

Diethyl Ether
Concen: 49.222 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	271071		
45	111.3	58.1	174.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.582 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

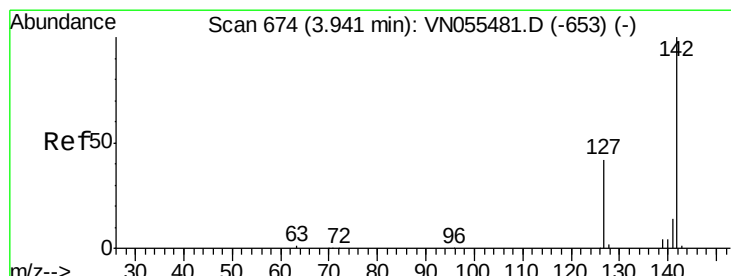
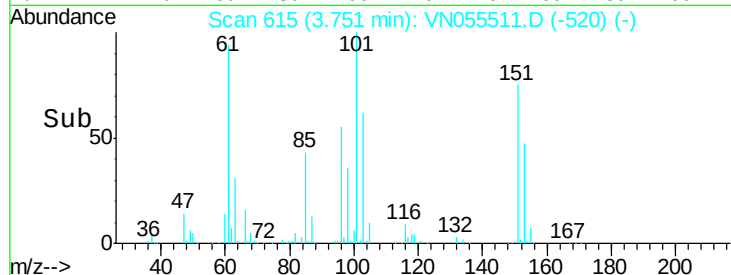
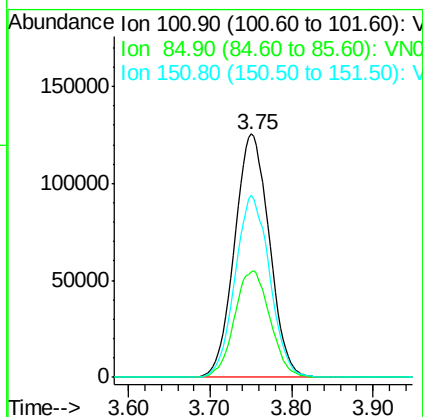
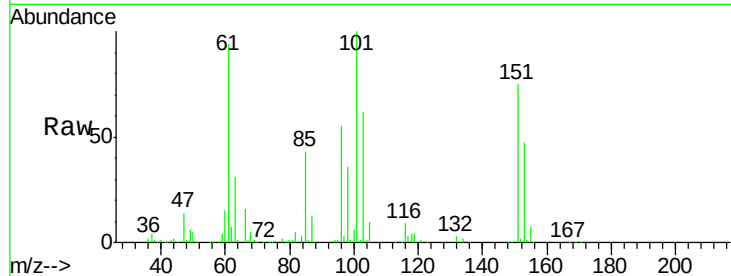
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	371224
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.5	53.3
151	74.3	59.2	88.8

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#10

Methyl Iodide

Concen: 42.416 ug/l

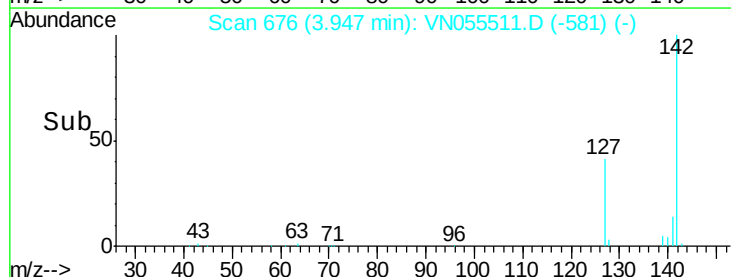
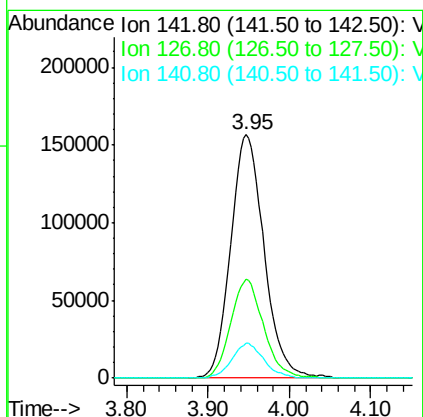
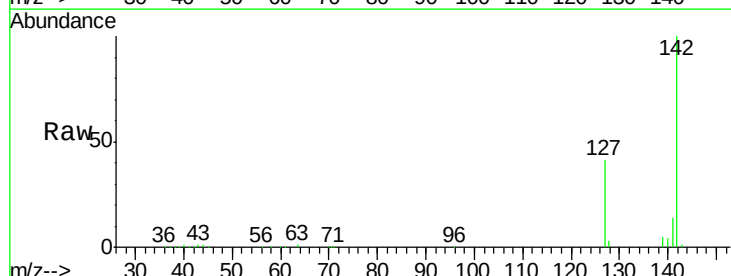
RT: 3.95 min Scan# 676

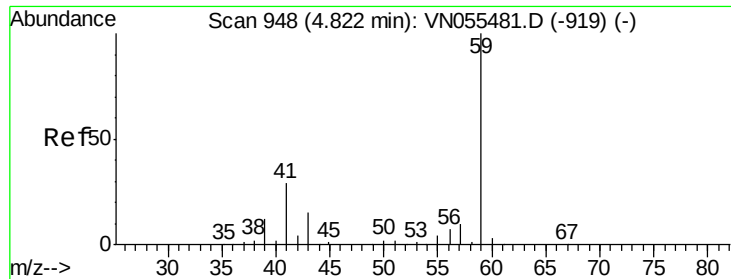
Delta R.T. 0.01 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Tgt Ion:	142	Resp:	447270
Ion Ratio	Lower	Upper	
142	100		
127	39.7	33.0	49.4
141	13.8	11.4	17.0





#11

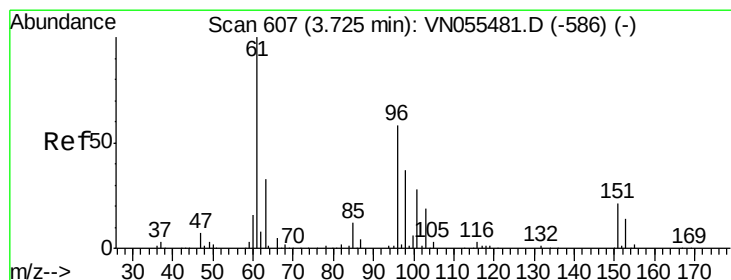
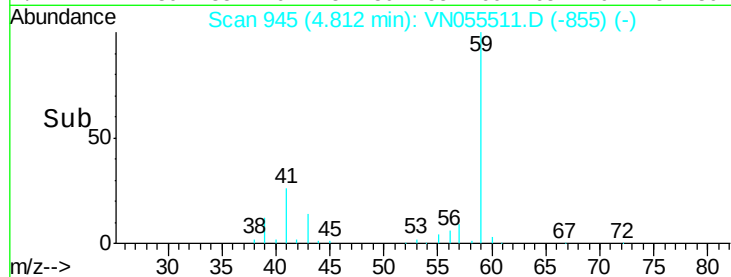
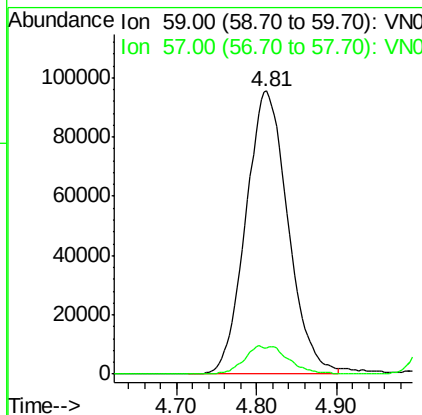
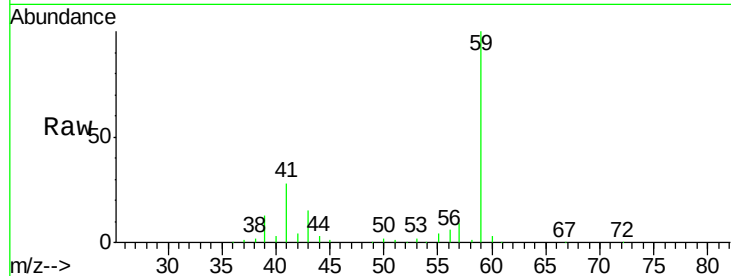
Tert butyl alcohol
 Concen: 216.817 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 59 Resp: 345073
 Ion Ratio Lower Upper
 59 100
 57 4.7 8.0 12.0#

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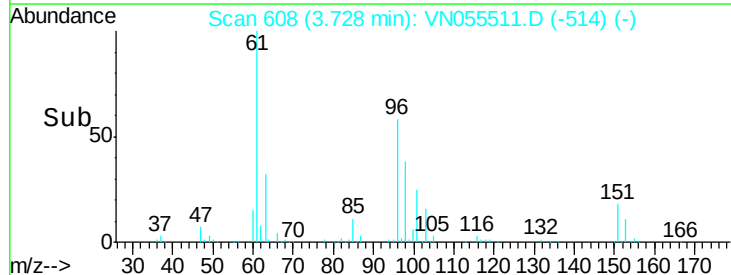
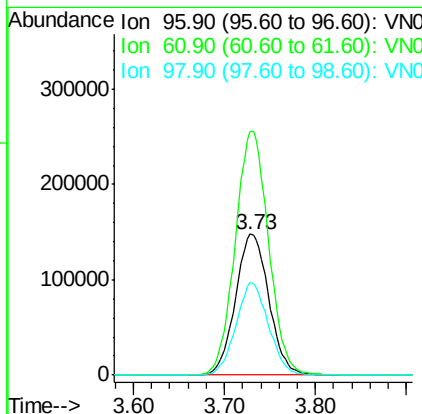
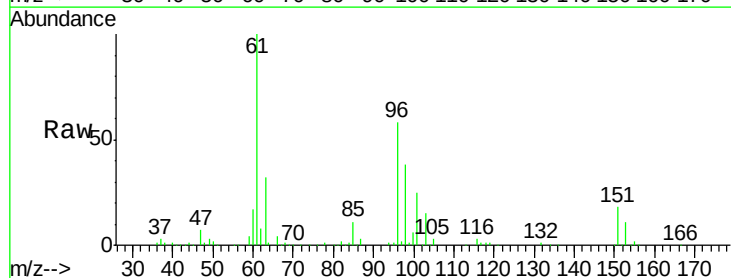
MMDadoda
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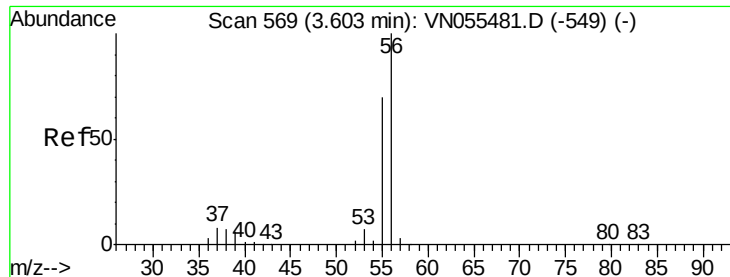


#12

1,1-Dichloroethene
 Concen: 48.186 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Tgt Ion: 96 Resp: 377023
 Ion Ratio Lower Upper
 96 100
 61 172.9 138.7 208.1
 98 65.4 50.6 76.0





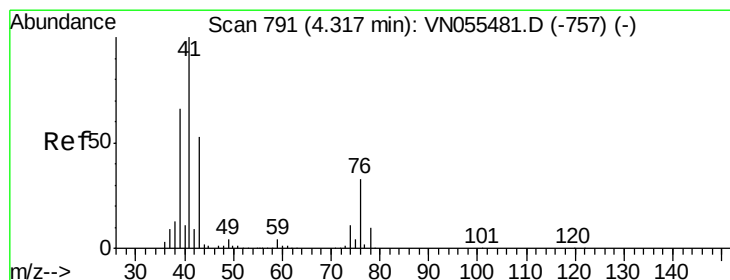
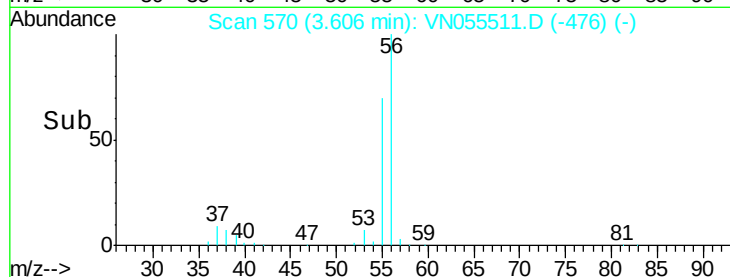
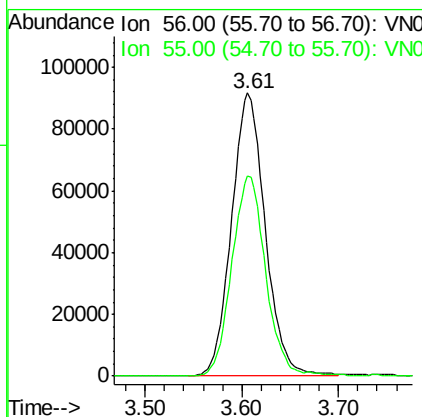
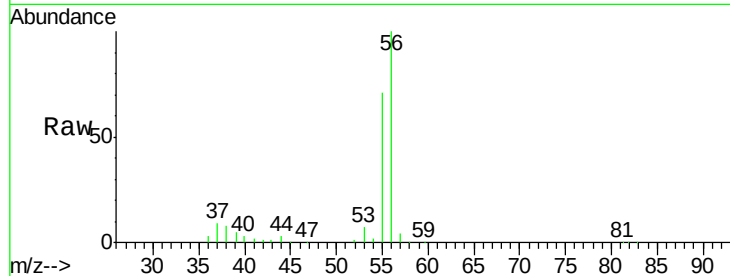
#13
Acrolein
Concen: 209.800 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	222535
Ion Ratio	100	Lower	Upper
55	70.8	57.7	86.5

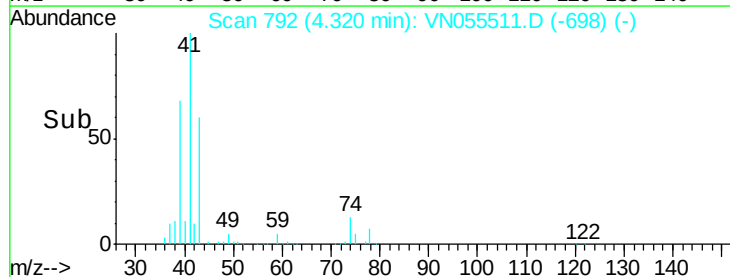
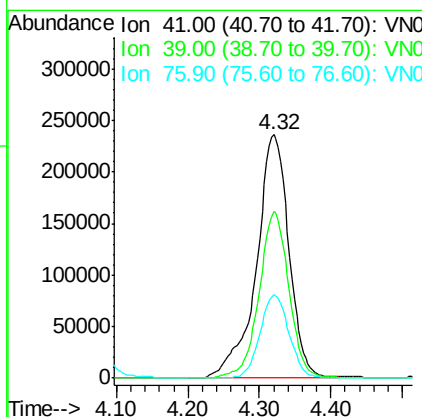
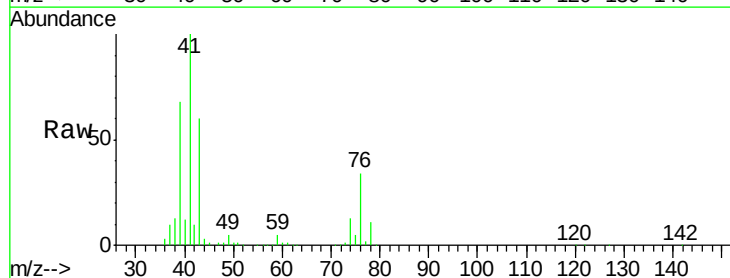
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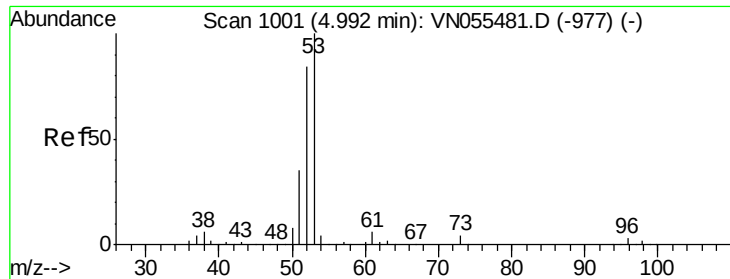
MMDadoda
5/10/2019 12:44:52 PM



#14
Allyl chloride
Concen: 46.656 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion	41	Resp	747799
Ion Ratio	100	Lower	Upper
39	62.5	49.8	74.8
76	30.3	23.5	35.3





#15

Acrylonitrile

Concen: 231.307 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1139915

Ion Ratio Lower Upper

53 100

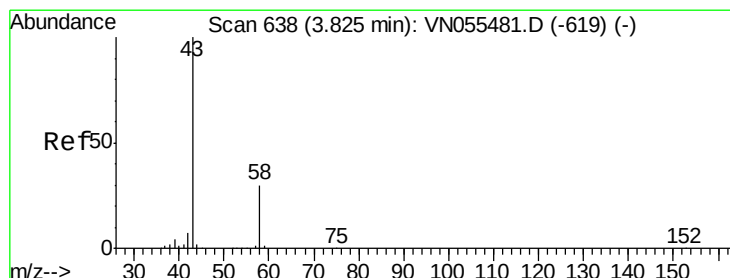
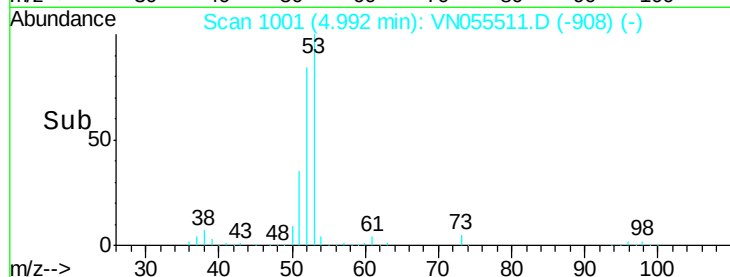
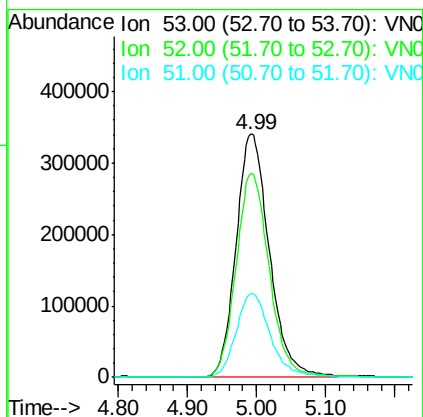
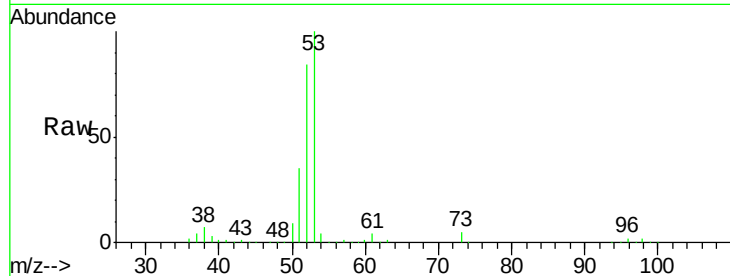
52 83.2 66.1 99.1

51 35.7 28.3 42.5

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#16

Acetone

Concen: 195.044 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN055511.D

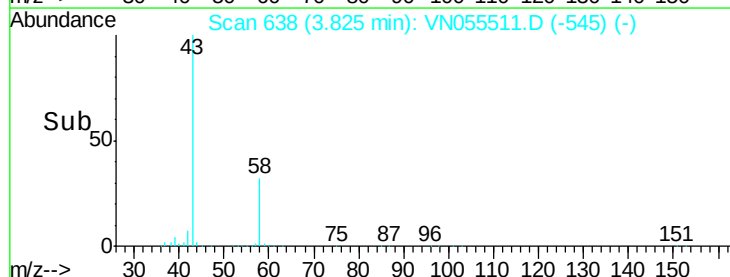
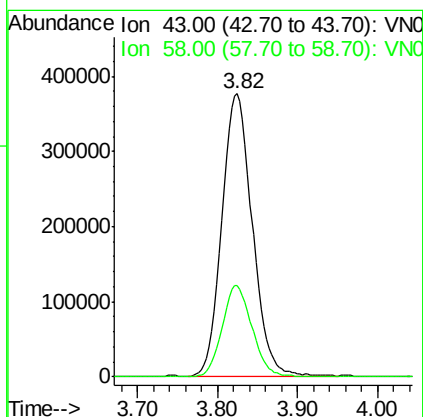
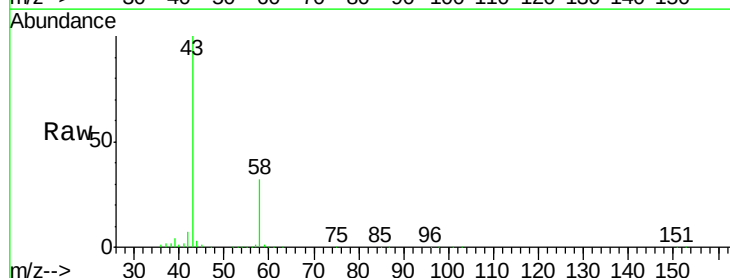
Acq: 9 May 2019 21:29

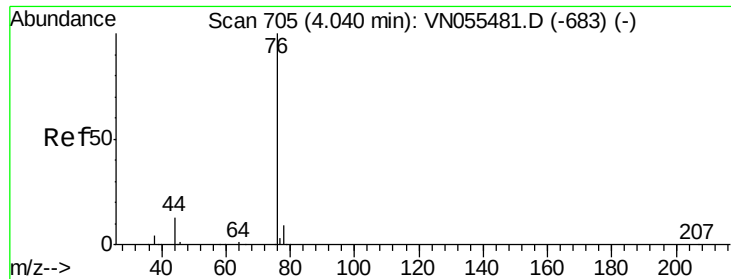
Tgt Ion: 43 Resp: 973468

Ion Ratio Lower Upper

43 100

58 32.3 24.2 36.2





#17

Carbon Disulfide

Concen: 47.557 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1015582

Ion Ratio Lower Upper

76 100

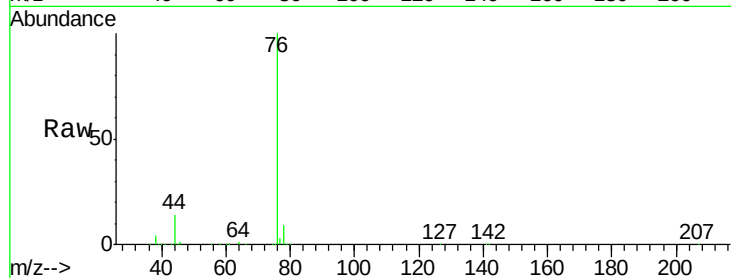
78 9.3 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

400000

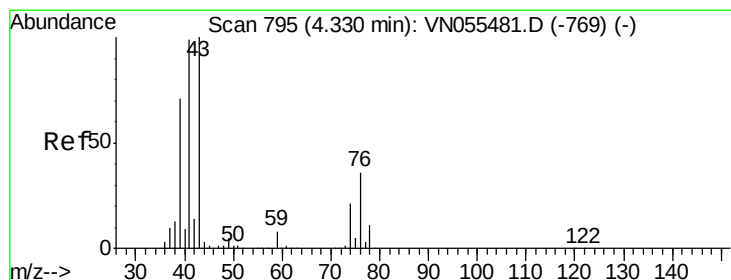
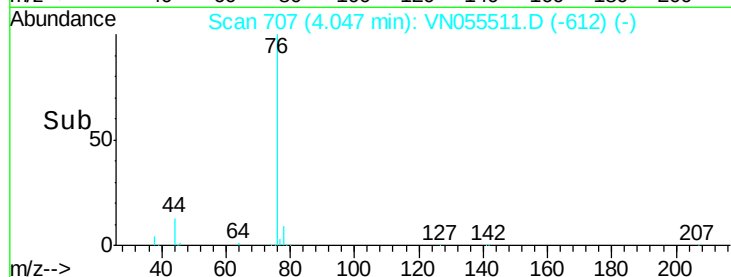
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 45.212 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055511.D

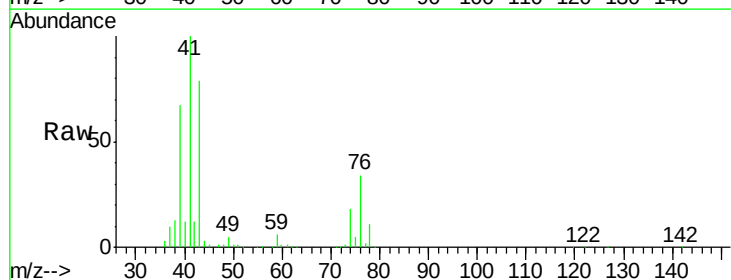
Acq: 9 May 2019 21:29

Tgt Ion: 43 Resp: 474647

Ion Ratio Lower Upper

43 100

74 21.9 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

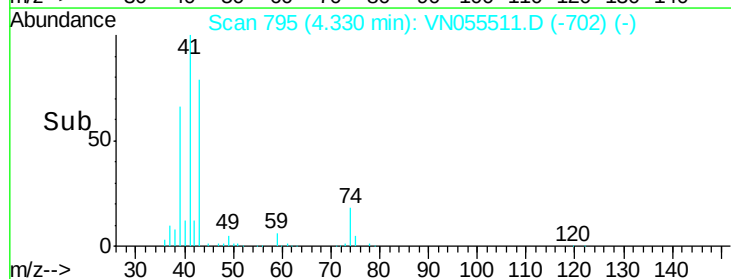
150000

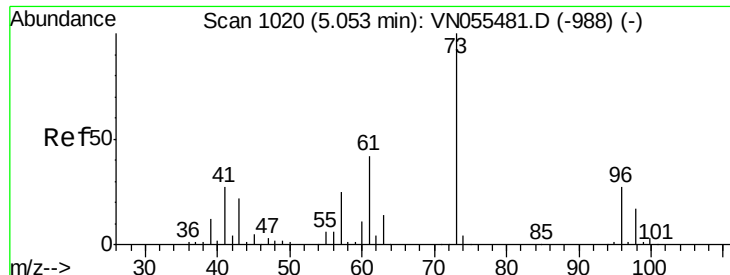
100000

50000

0

Time-->





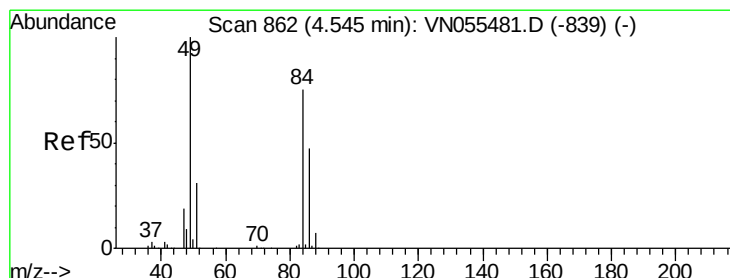
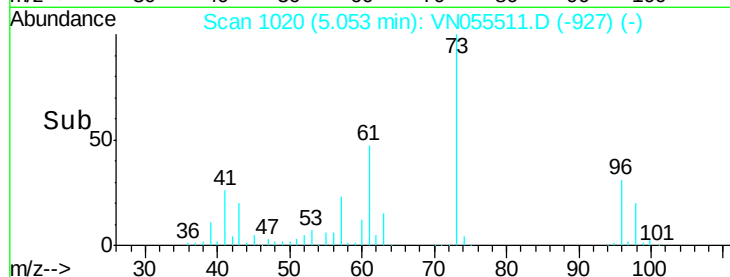
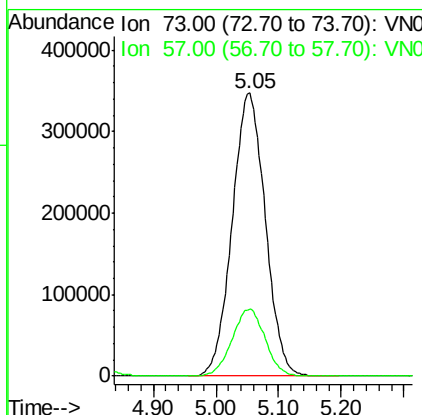
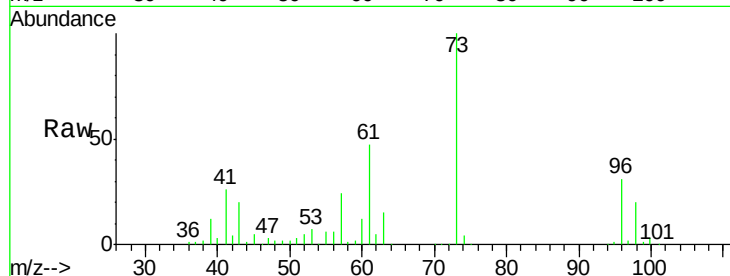
#19
Methvl tert-butvl Ether
Concen: 48.882 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1270888
Ion Ratio Lower Upper
73 100
57 23.6 20.0 30.0

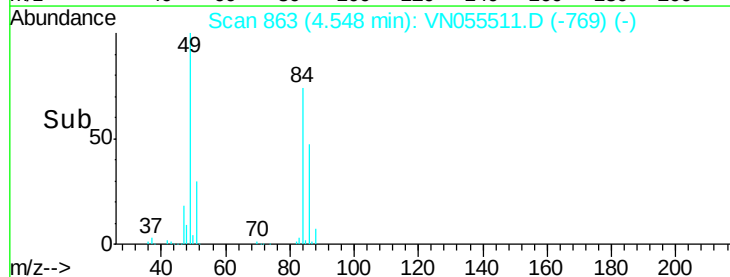
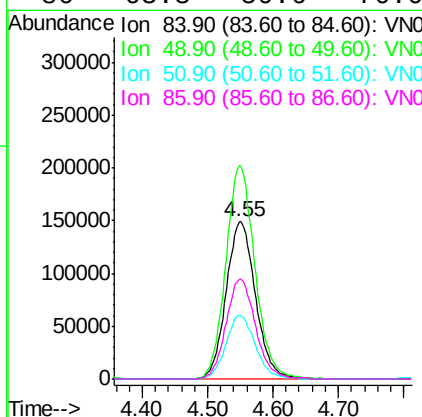
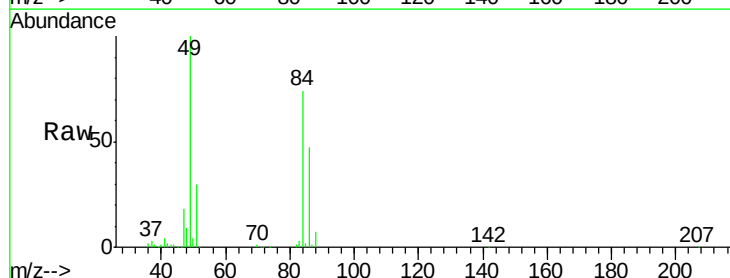
Manual Integrations
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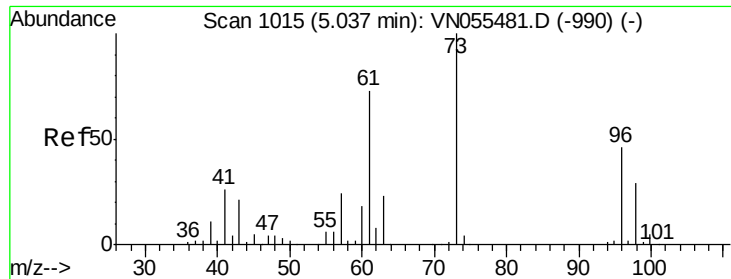
MMDadoda
5/10/2019 12:44:52 PM



#20
Methylene Chloride
Concen: 45.481 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion: 84 Resp: 464174
Ion Ratio Lower Upper
84 100
49 136.0 107.0 160.6
51 40.5 33.0 49.4
86 63.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 48.832 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

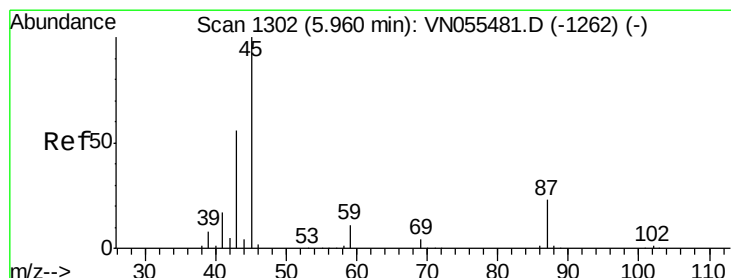
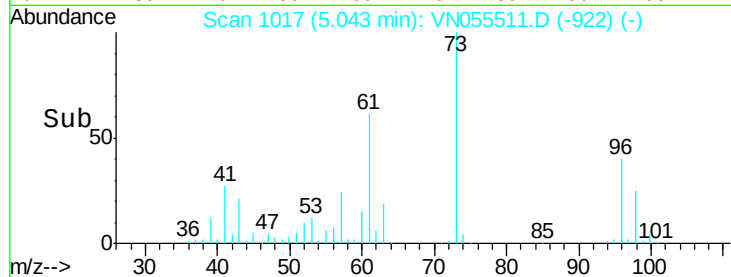
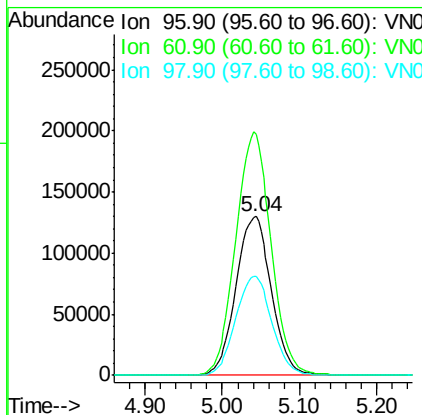
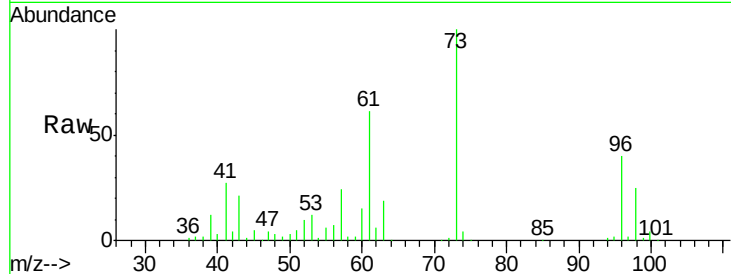
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	414251
Ion	Ratio	Lower	Upper
96	100		
61	151.6	127.4	191.0
98	61.9	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.964 ug/l

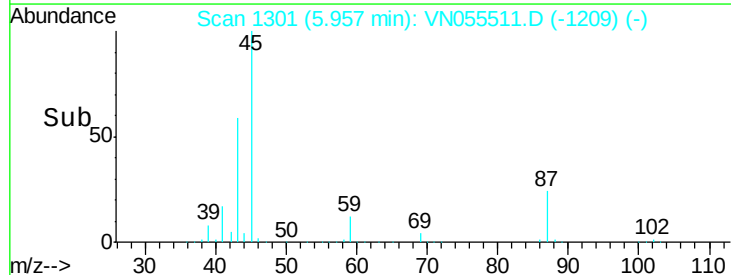
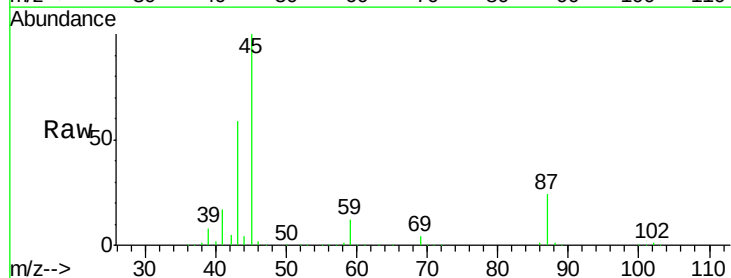
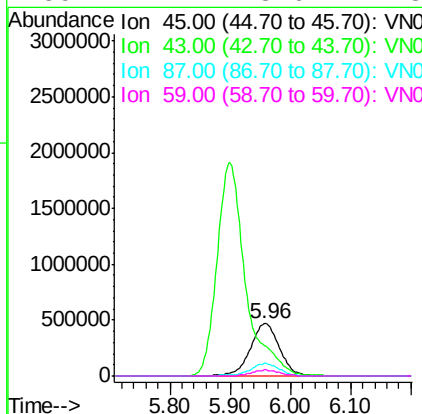
RT: 5.96 min Scan# 1301

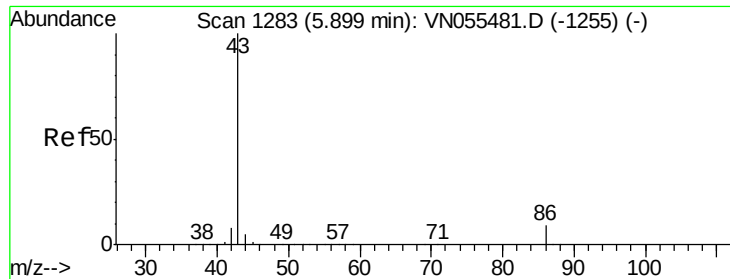
Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Tgt Ion:	45	Resp:	1594790
Ion	Ratio	Lower	Upper
45	100		
43	58.6	44.6	66.8
87	23.5	18.6	28.0
59	11.4	8.6	12.8





#23

Vinyl Acetate

Concen: 248.941 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 6270484

Ion Ratio Lower Upper

43 100

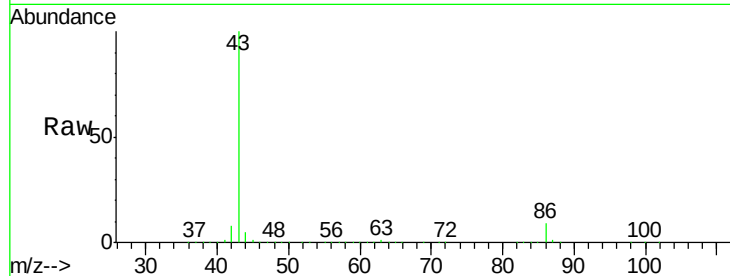
86 8.9 7.1 10.7

Manual Integrations

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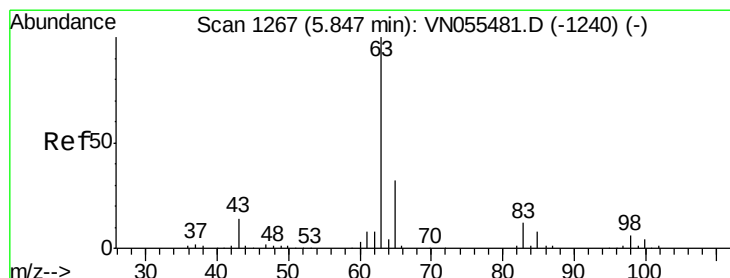
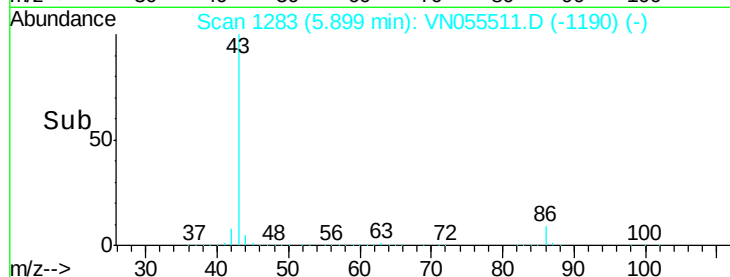
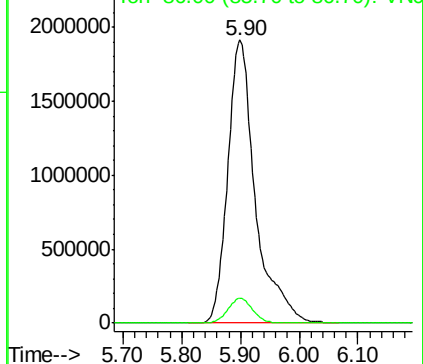
MMDadoda

5/10/2019 12:44:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.043 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

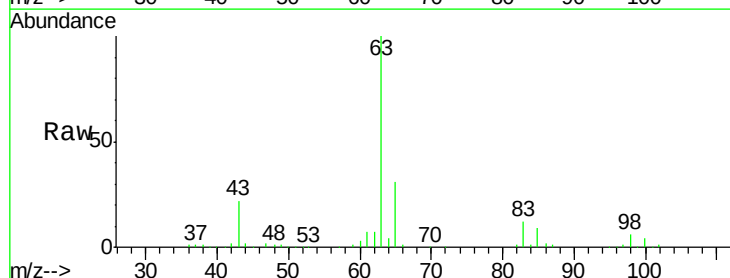
Tgt Ion: 63 Resp: 844705

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.0

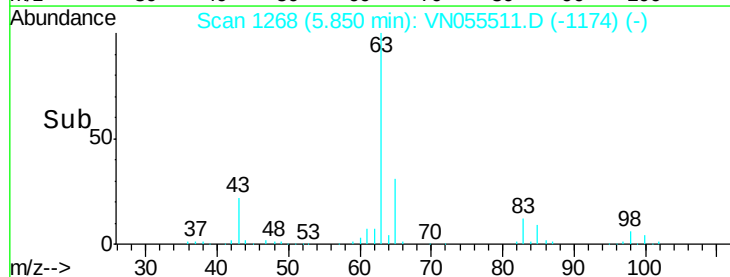
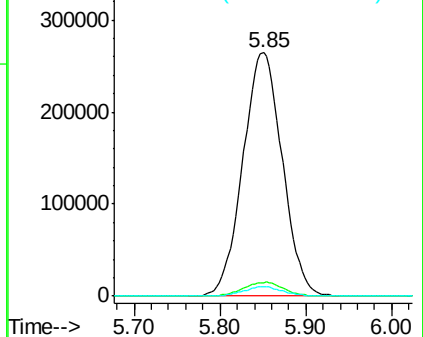
100 3.9 1.9 5.7

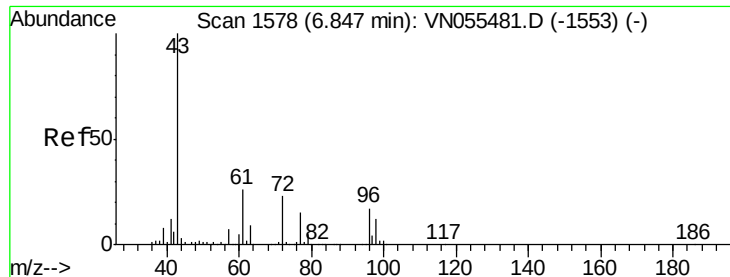


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 224.391 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1547060

Ion Ratio Lower Upper

43 100

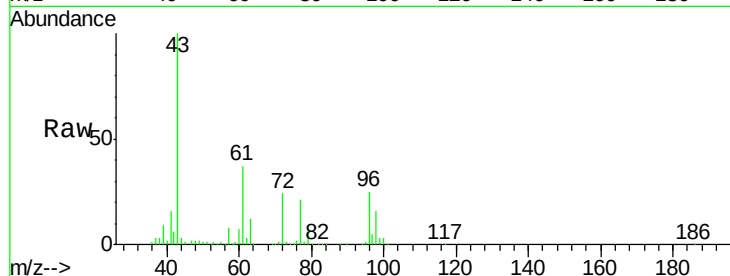
72 23.9 18.6 27.8

Manual Integrations

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MMDadoda

5/10/2019 12:44:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

500000

400000

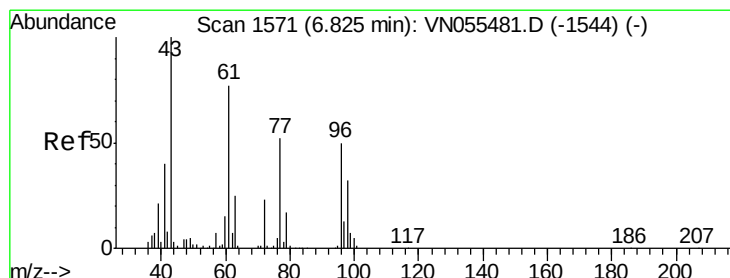
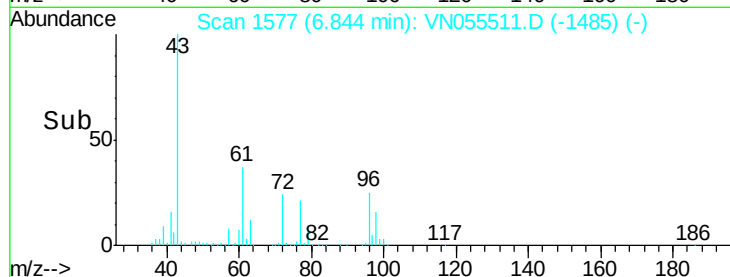
300000

200000

100000

0

Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 47.084 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055511.D

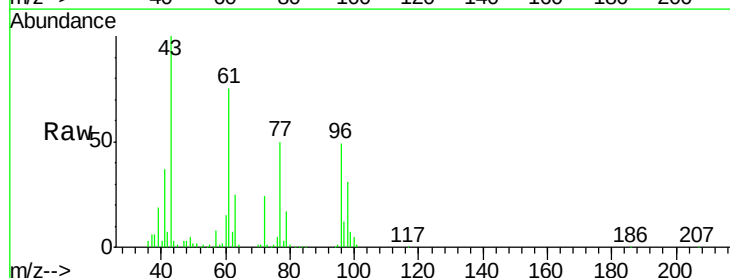
Acq: 9 May 2019 21:29

Tgt Ion: 77 Resp: 516060

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

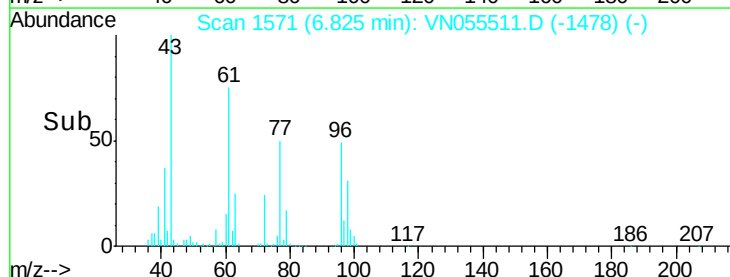
150000

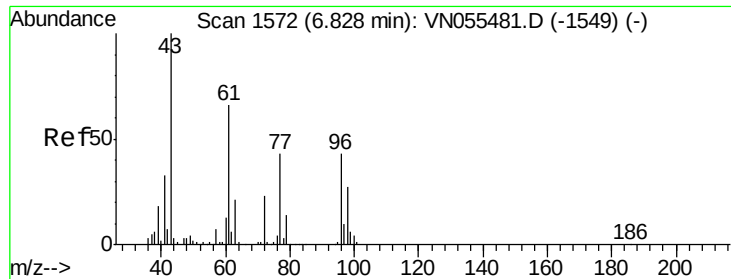
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





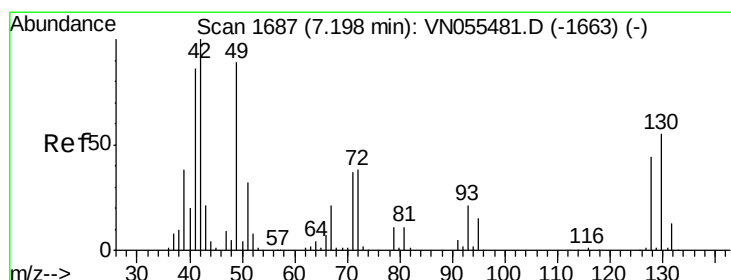
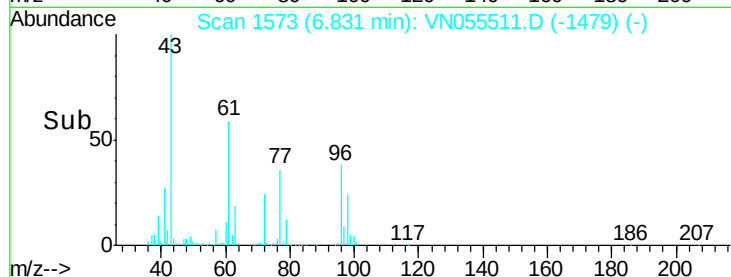
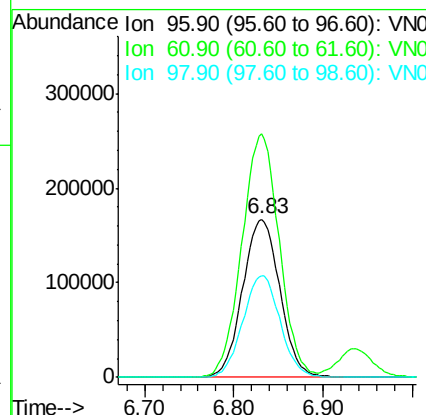
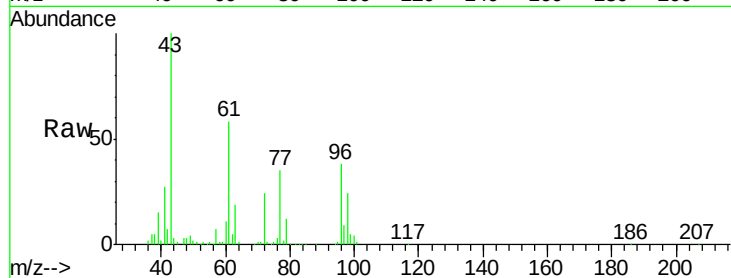
#27
 cis-1,2-Dichloroethene
 Concen: 49.386 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	484181		
61	154.3	0.0	310.8	
98	64.1	0.0	129.4	

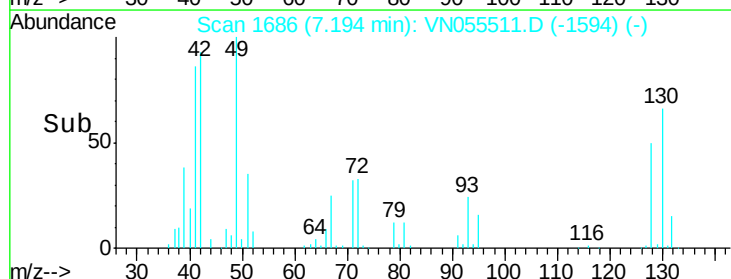
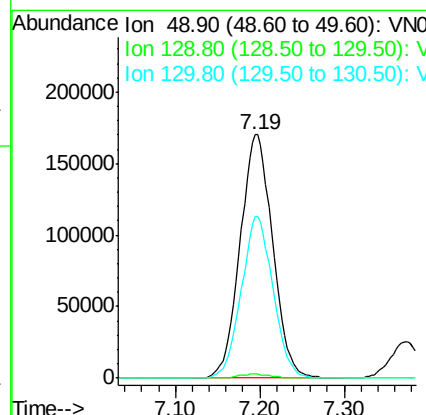
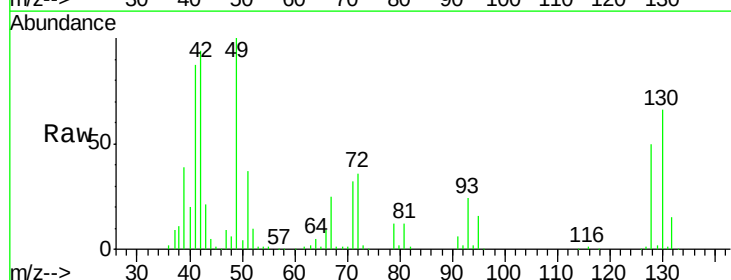
Manual Integrations
 APPROVED

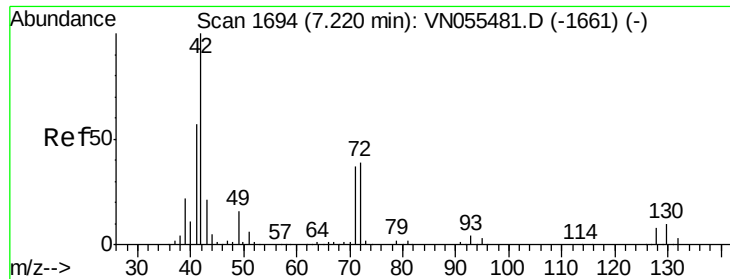
MMDadoda
 5/10/2019 12:44:52 PM



#28
 Bromochloromethane
 Concen: 50.092 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	457375		
129	1.6	0.0	3.2	
130	64.8	49.5	74.3	





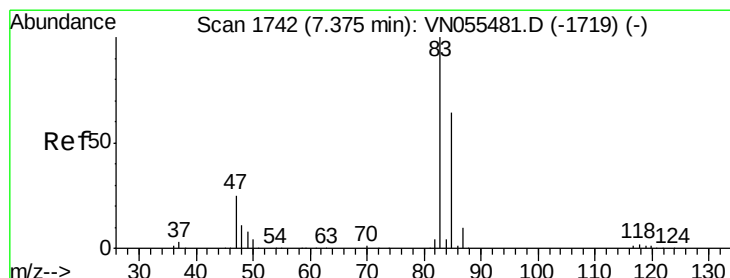
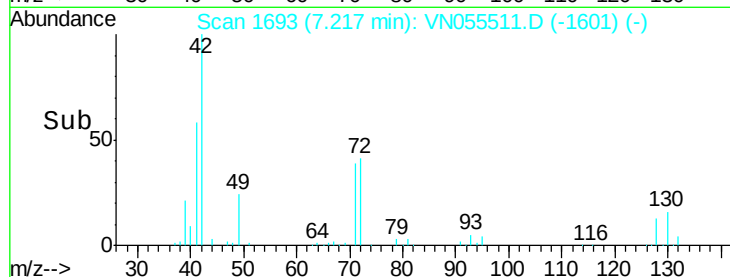
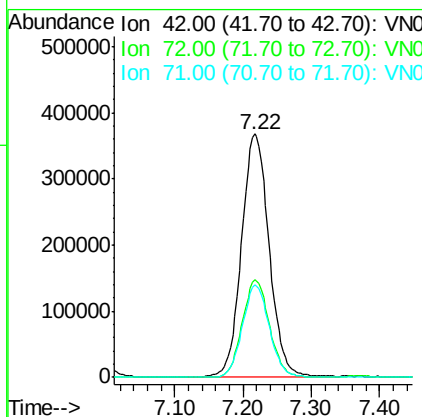
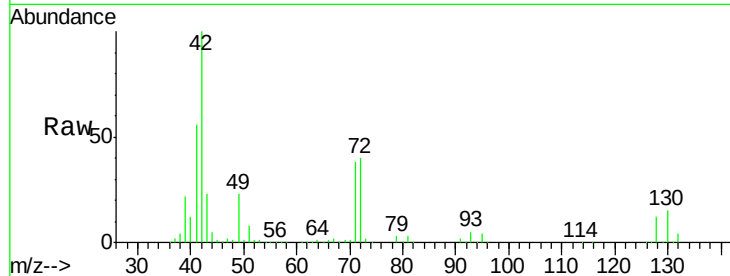
#29
Tetrahydrofuran
Concen: 226.618 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 1032885
Ion Ratio Lower Upper
42 100
72 39.4 31.0 46.6
71 37.2 29.4 44.2

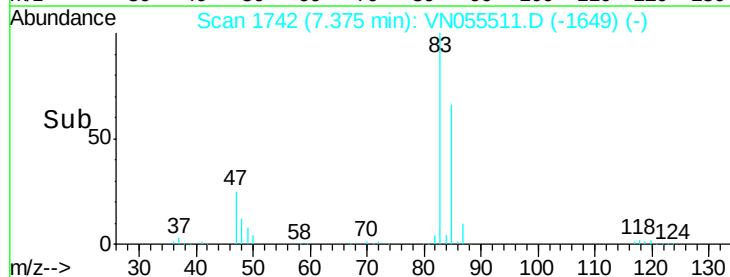
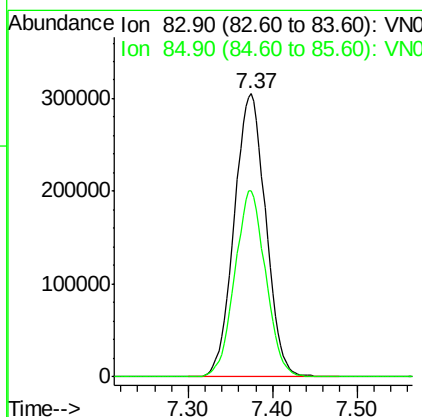
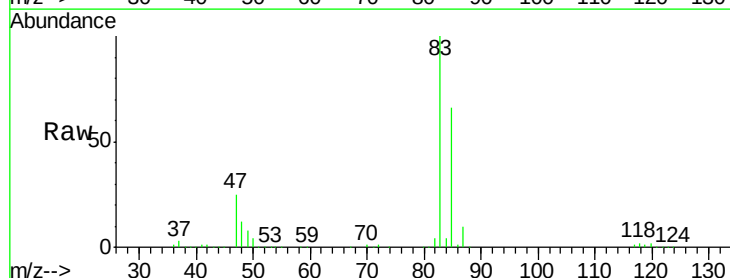
Manual Integrations
APPROVED

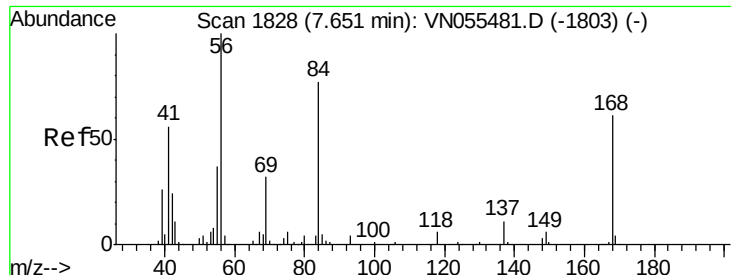
MMDadoda
5/10/2019 12:44:52 PM



#30
Chloroform
Concen: 48.869 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion: 83 Resp: 794302
Ion Ratio Lower Upper
83 100
85 65.8 51.3 76.9





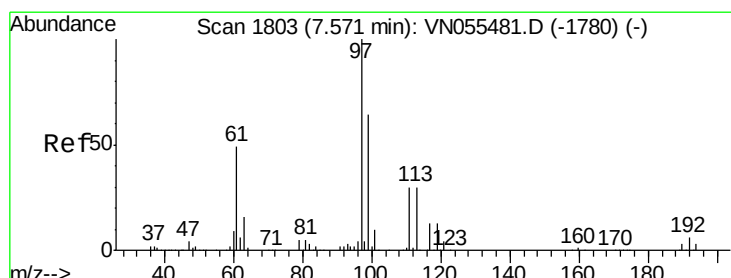
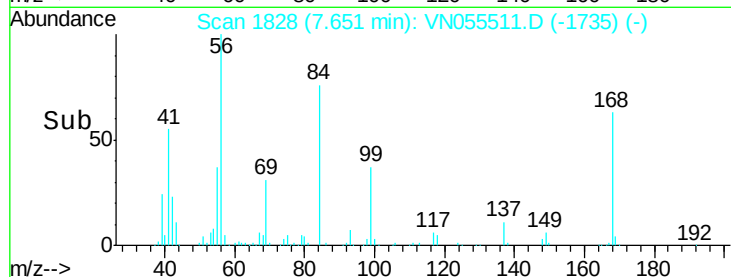
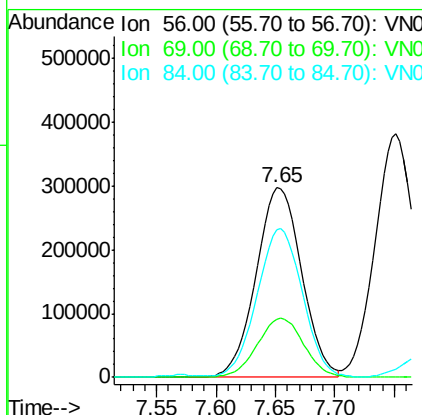
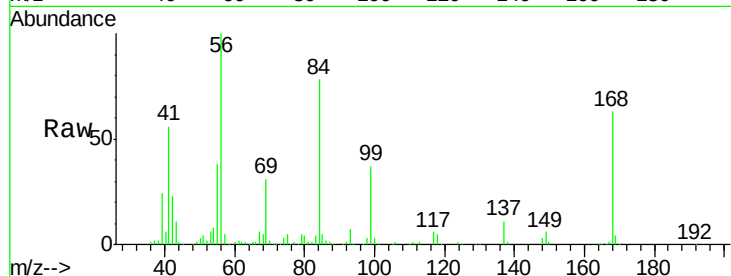
#31
Cyclohexane
Concen: 45.390 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	26.0	39.0
84	76.9	61.9	92.9

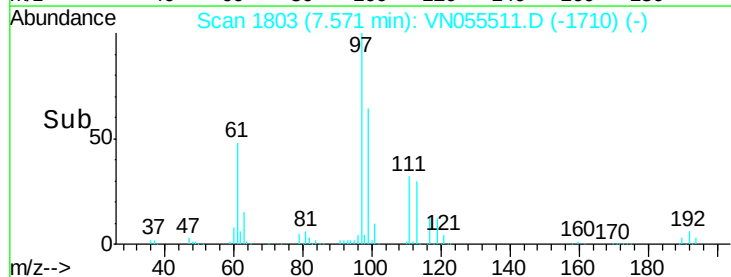
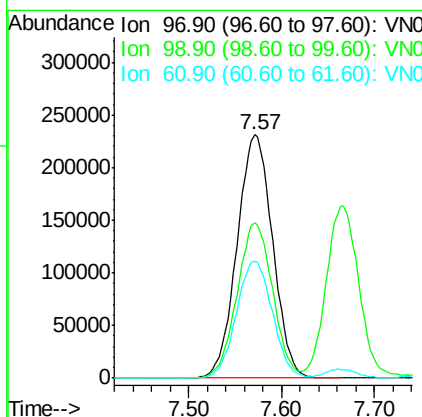
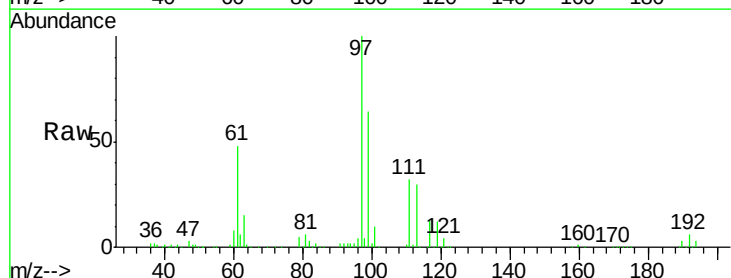
Manual Integrations
APPROVED

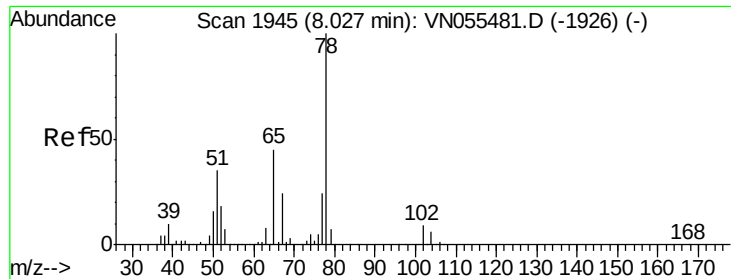
MMDadoda
5/10/2019 12:44:52 PM



#32
1,1,1-Trichloroethane
Concen: 49.747 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.2	76.8
61	48.5	39.2	58.8





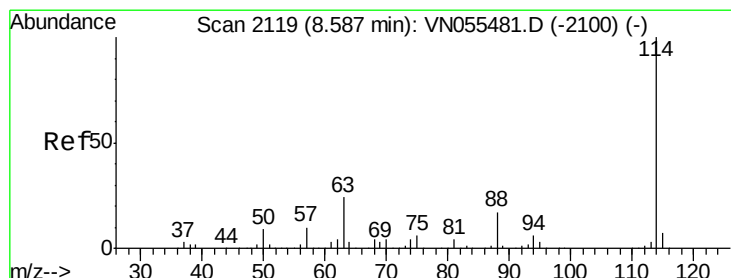
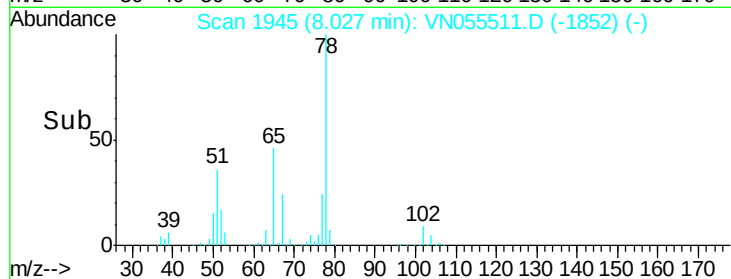
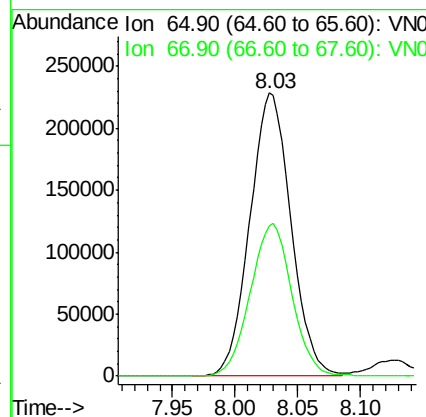
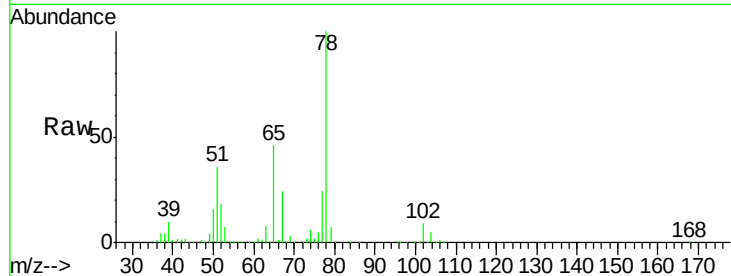
#33
 1,2-Dichloroethane-d4
 Concen: 48.315 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	520793		
67	54.7	0.0	109.6	

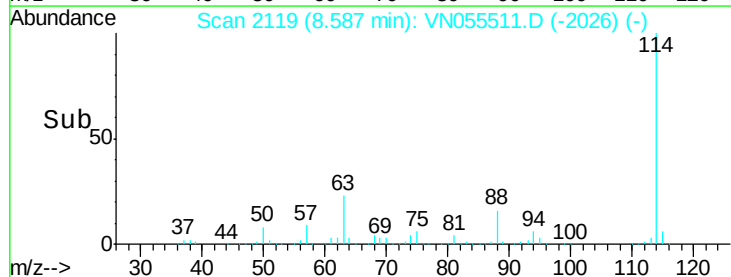
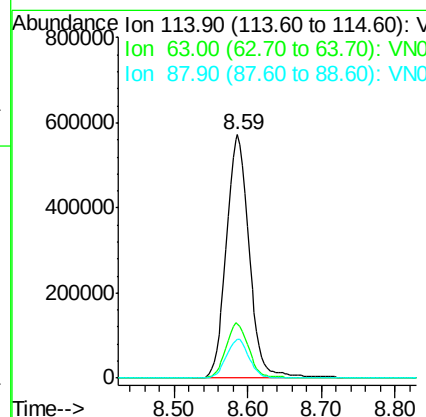
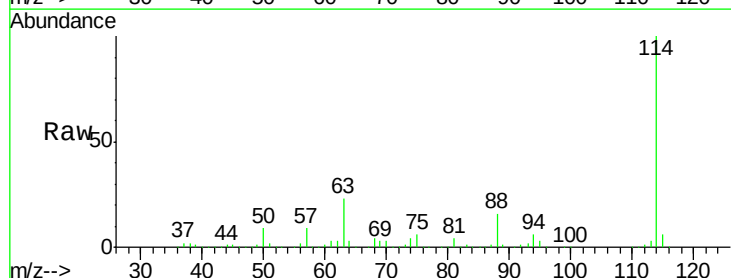
Manual Integrations
 APPROVED

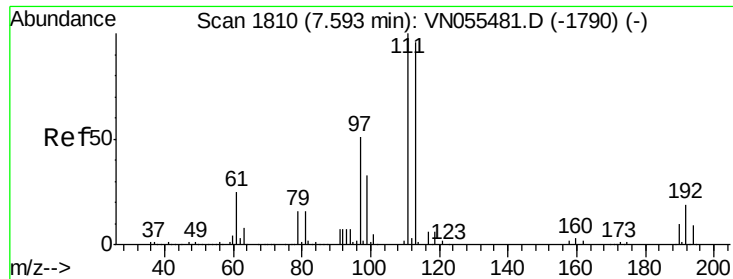
MMDadoda
 5/10/2019 12:44:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1239631		
63	22.5	0.0	47.4	
88	16.1	0.0	34.0	





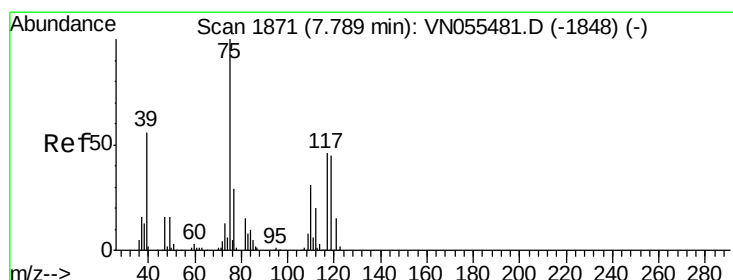
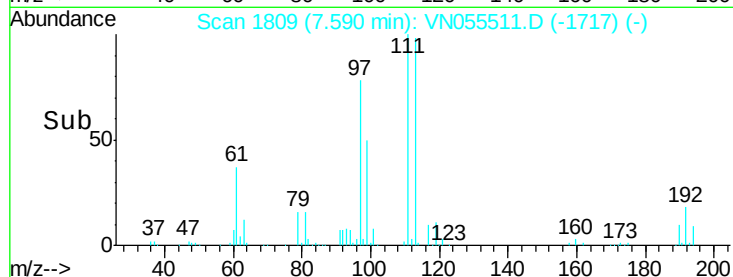
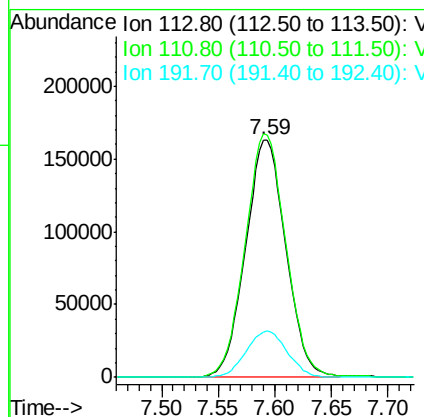
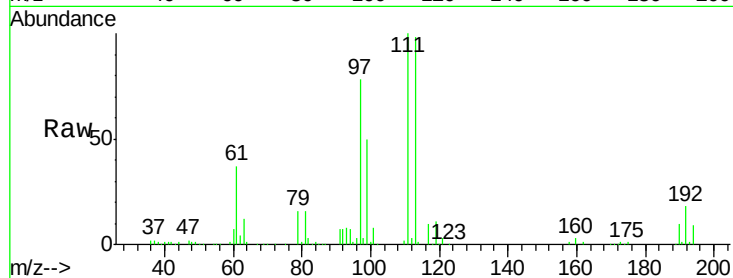
#35
 Dibromofluoromethane
 Concen: 50.554 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.1	82.9	124.3	
192	20.0	15.6	23.4	

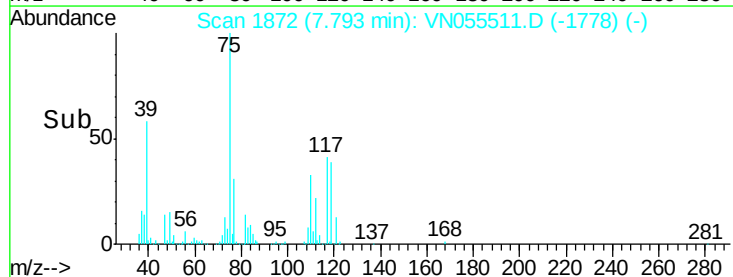
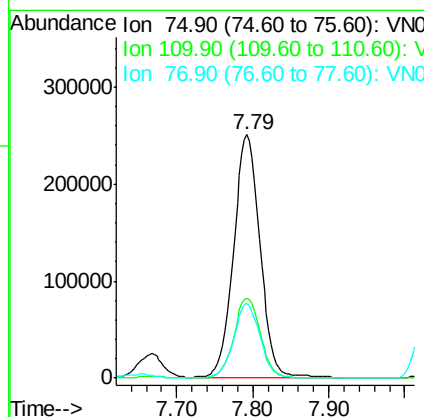
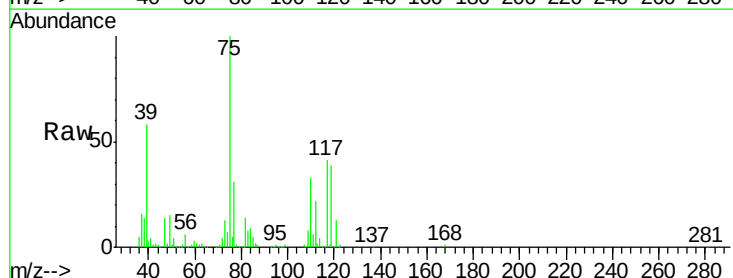
Manual Integrations
 APPROVED

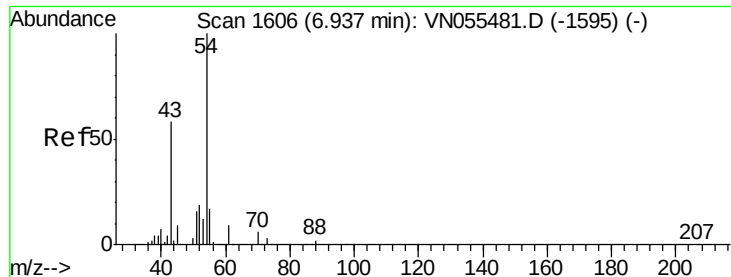
MMDadoda
 5/10/2019 12:44:52 PM



#36
 1,1-Dichloropropene
 Concen: 49.557 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.1	16.1	48.3	
77	30.8	24.6	37.0	





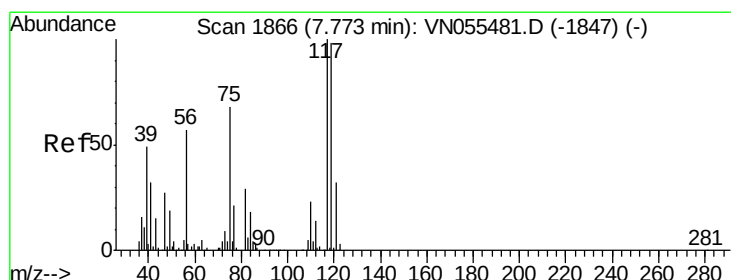
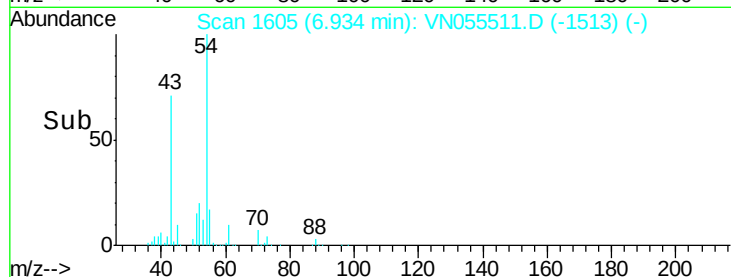
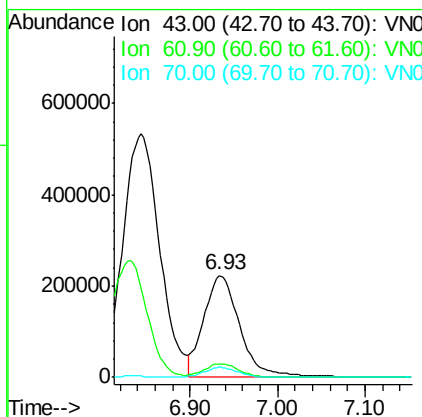
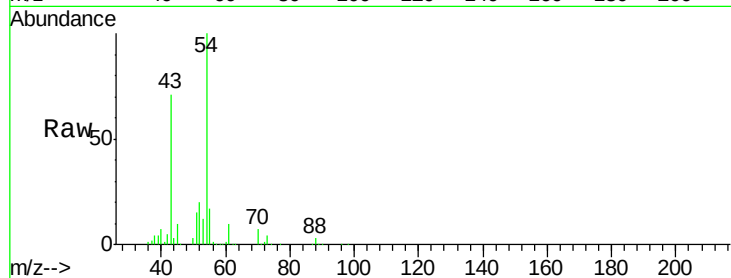
#37
Ethyl Acetate
Concen: 47.083 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.9	16.3
70	9.5	7.0	10.6

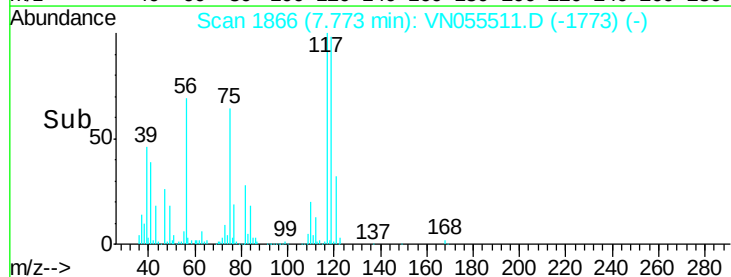
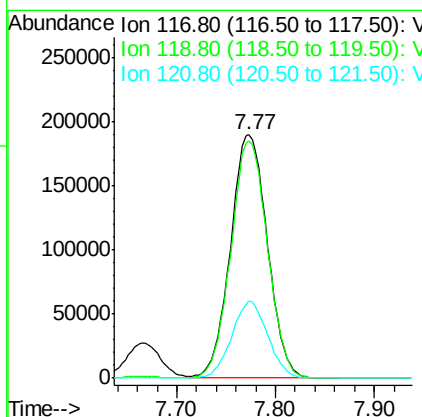
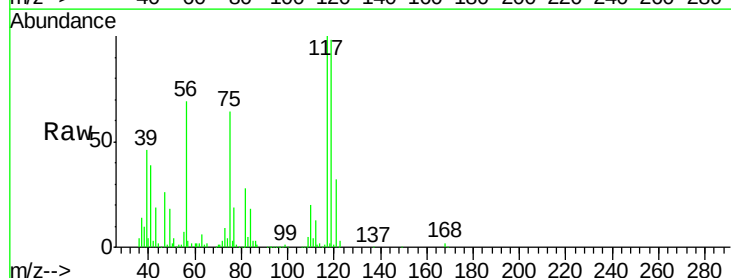
Manual Integrations
APPROVED

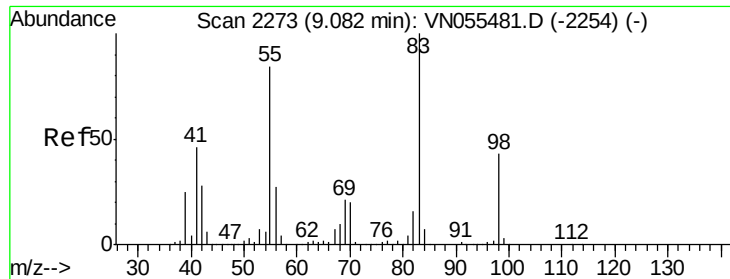
MMDadoda
5/10/2019 12:44:52 PM



#38
Carbon Tetrachloride
Concen: 47.993 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.8	116.6
121	31.6	25.2	37.8





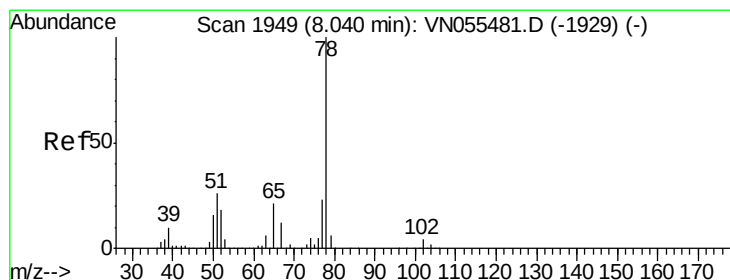
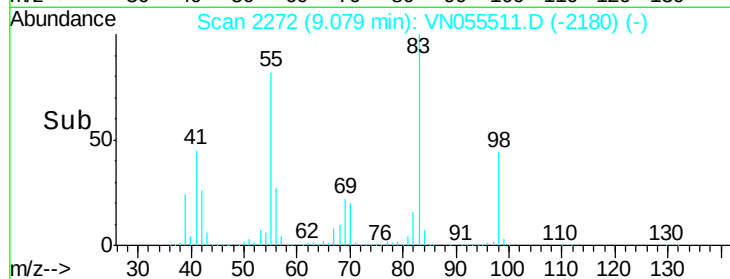
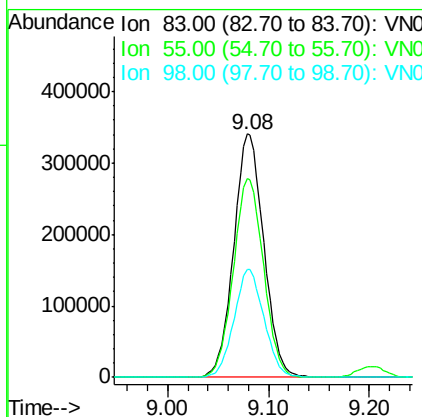
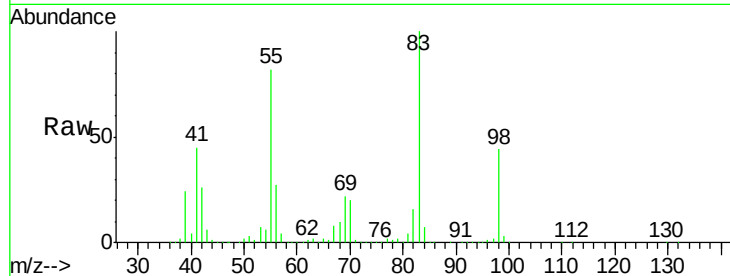
#39
Methylvlcyclohexane
Concen: 47.302 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	704334
Ion Ratio	100	Lower	Upper
83	100		
55	81.6	67.0	100.4
98	44.5	34.2	51.4

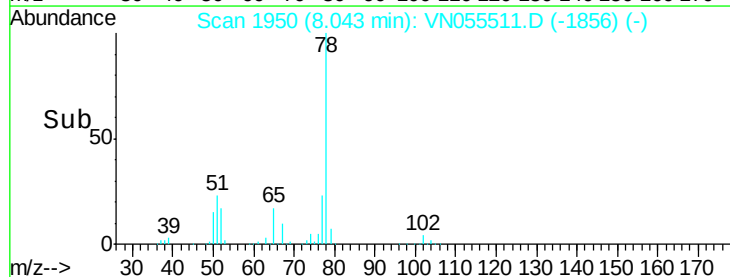
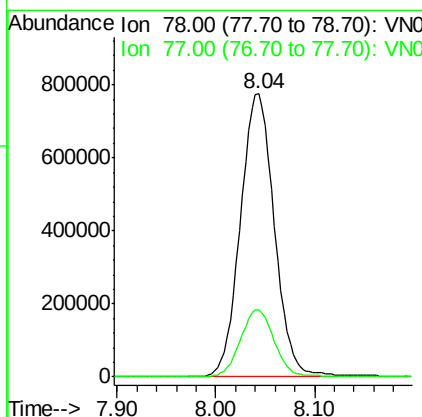
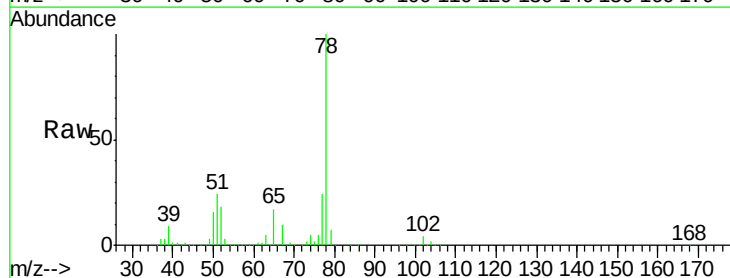
Manual Integrations
APPROVED

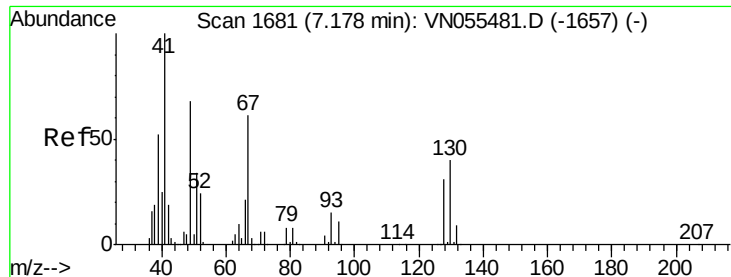
MMDadoda
5/10/2019 12:44:52 PM



#40
Benzene
Concen: 48.733 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion	78.00	Resp	1847087
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	18.6	27.8





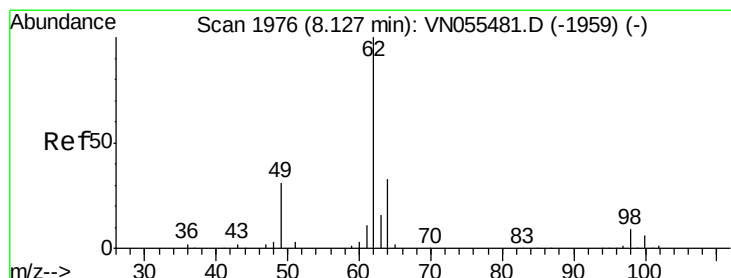
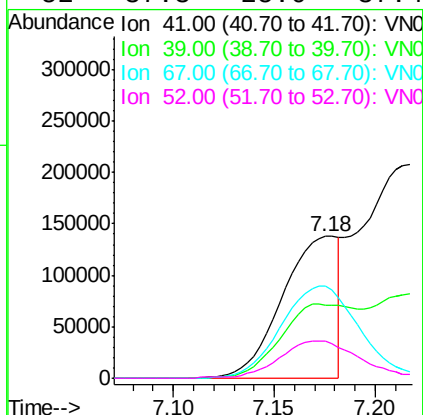
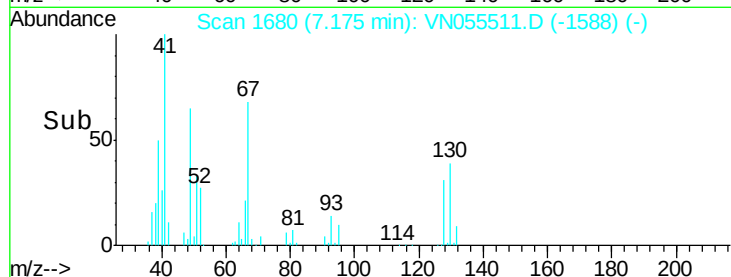
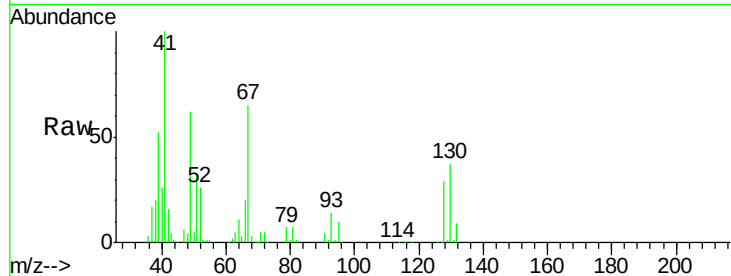
#41
Methacrylonitrile
Concen: 42.665 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.9	44.7	67.1#
67	93.3	61.4	92.0#
52	37.3	25.0	37.4

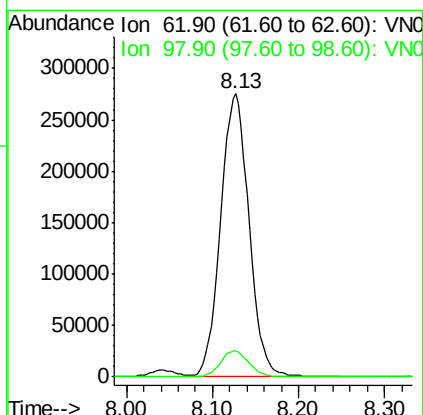
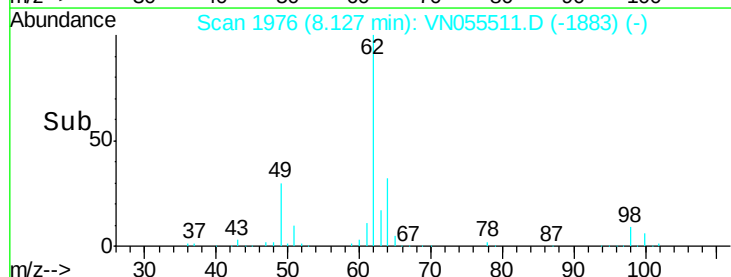
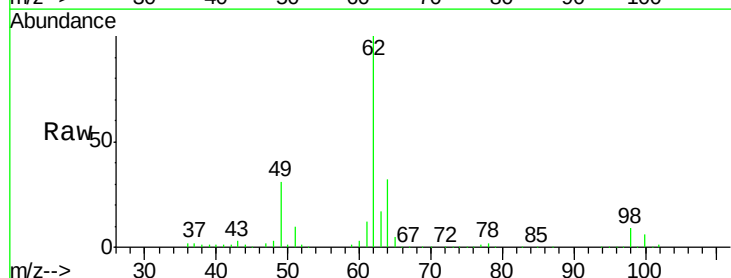
Manual Integrations
APPROVED

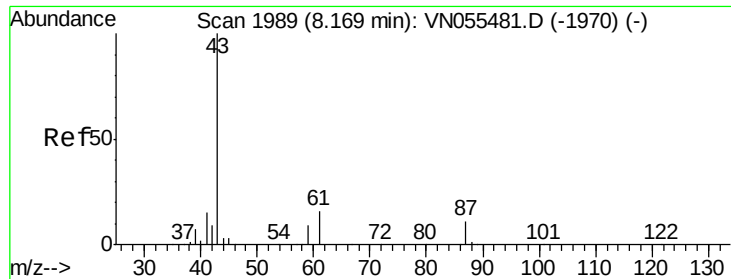
MMDadoda
5/10/2019 12:44:52 PM



#42
1,2-Dichloroethane
Concen: 47.393 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.4





#43

Isopropyl Acetate

Concen: 48.511 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

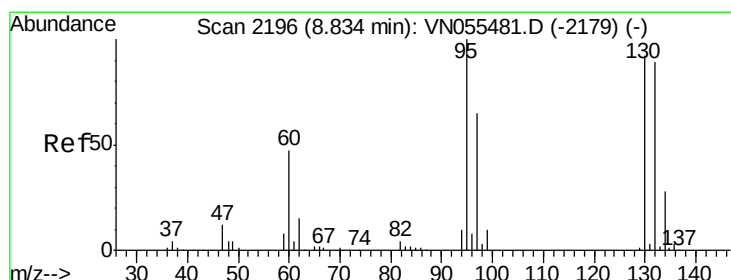
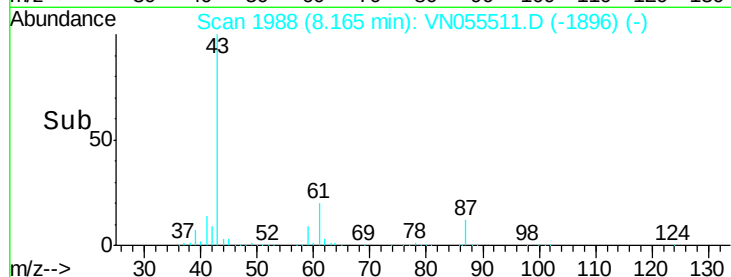
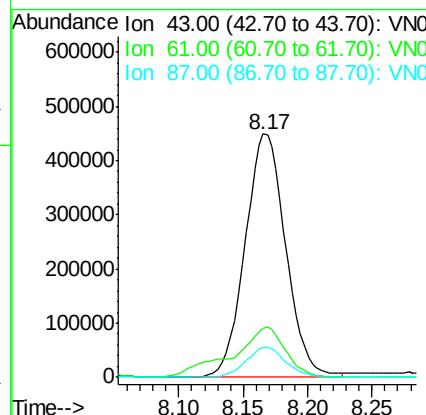
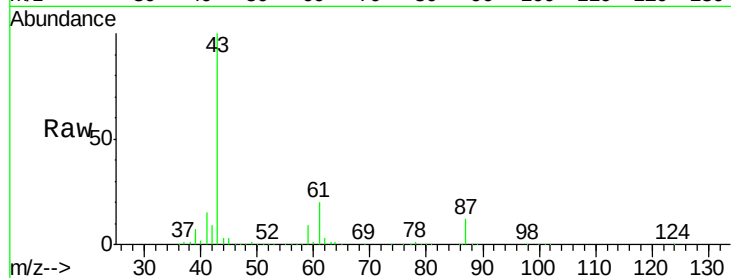
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	981823
Ion	Ratio	Lower	Upper
43	100		
61	27.0	15.1	22.7#
87	12.0	9.0	13.6

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#44

Trichloroethene

Concen: 48.927 ug/l

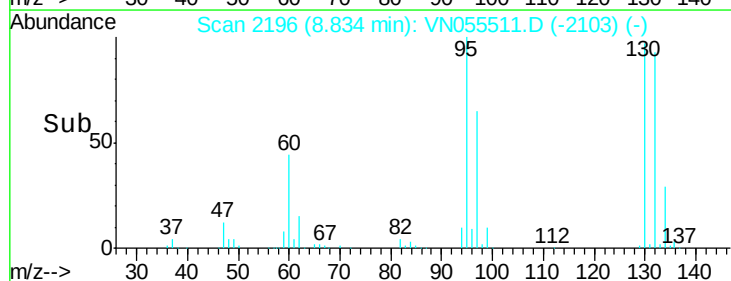
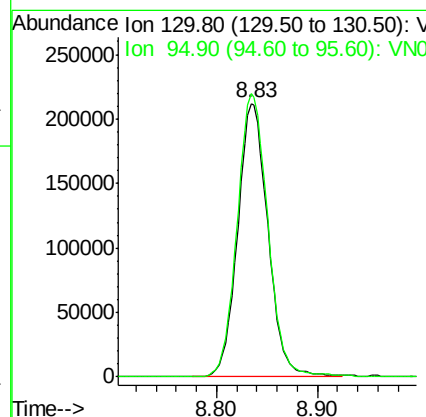
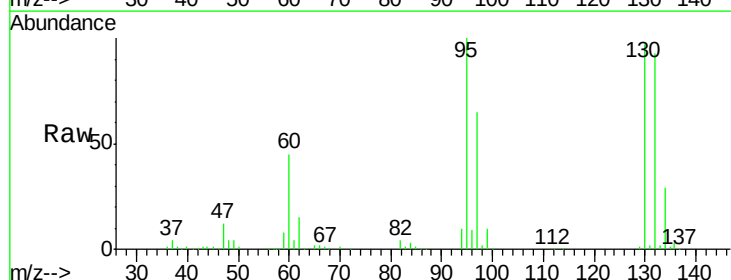
RT: 8.83 min Scan# 2196

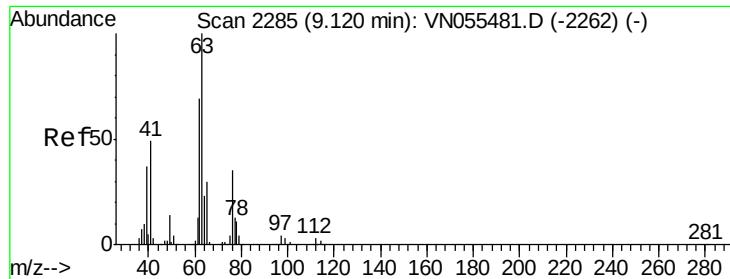
Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Tgt Ion:	130	Resp:	441247
Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	216.8





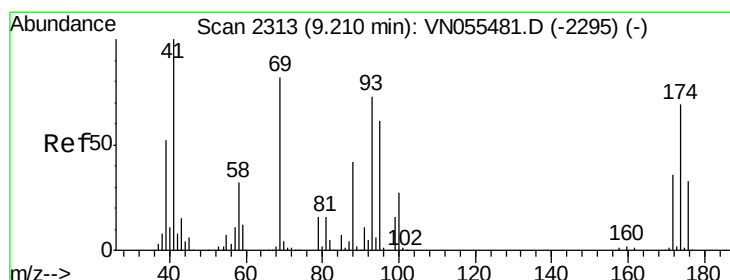
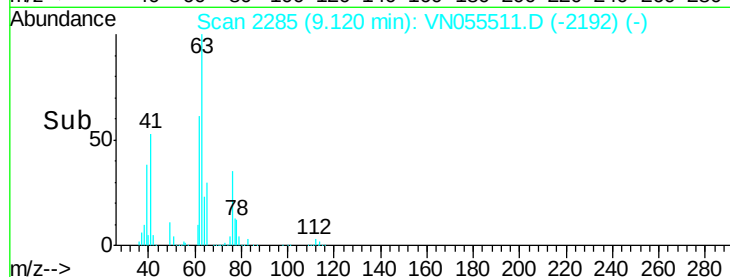
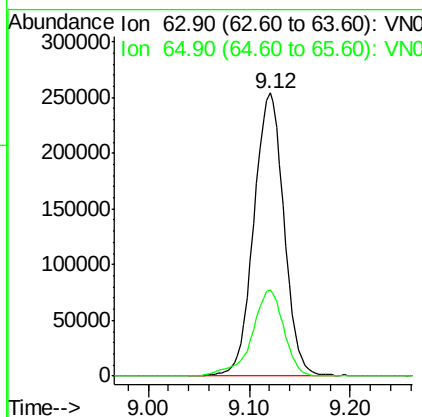
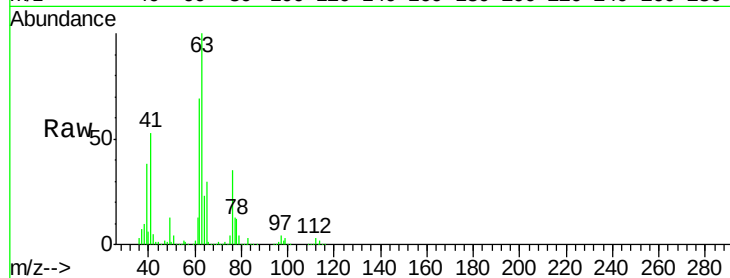
#45
 1,2-Dichloropropane
 Concen: 48.544 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.1	36.1

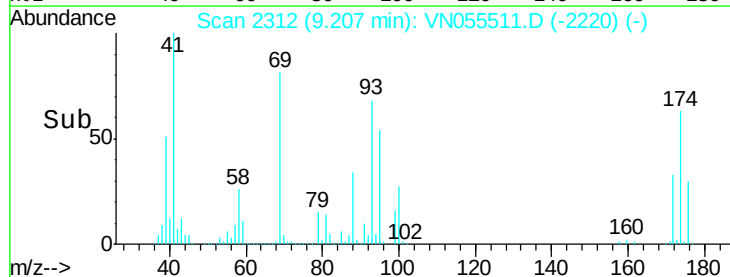
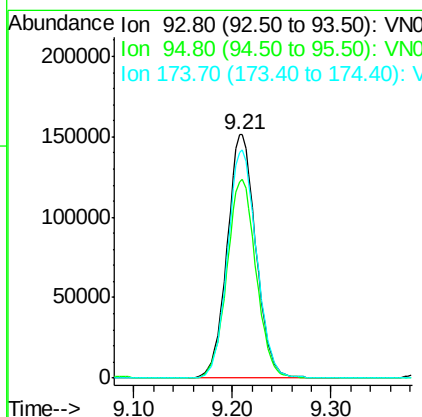
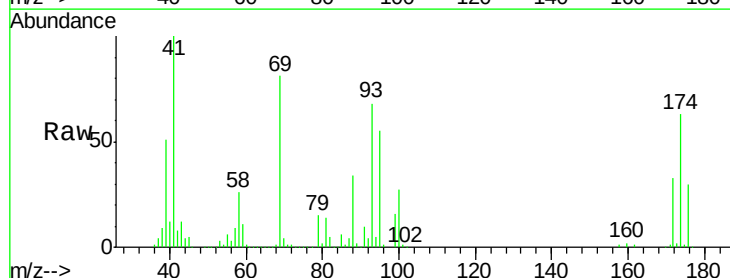
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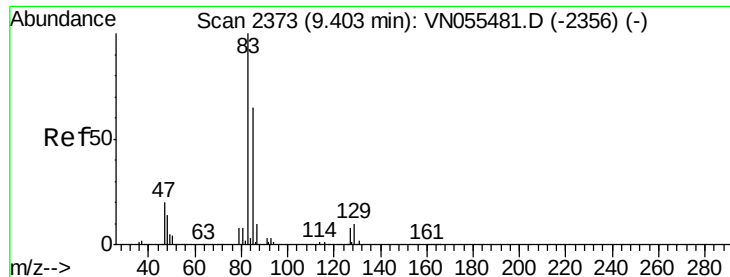
MMDadoda
 5/10/2019 12:44:52 PM



#46
 Dibromomethane
 Concen: 48.955 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	64.8	97.2
174	94.6	75.0	112.6





#47

Bromodichloromethane

Concen: 50.054 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

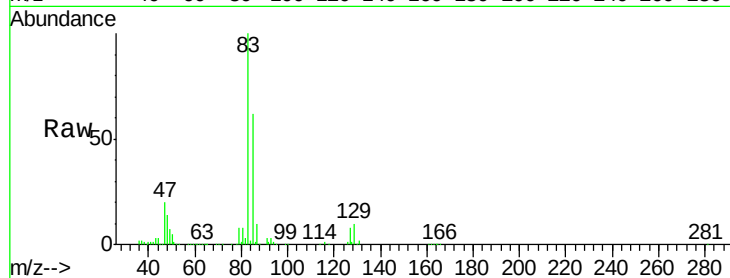
ClientSampleId :

VSTDCCC050

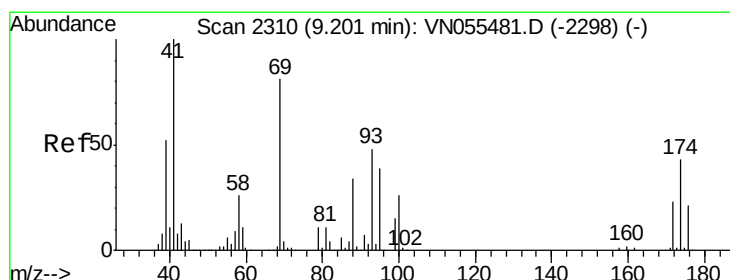
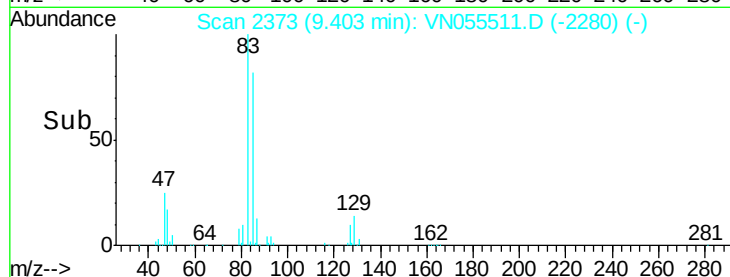
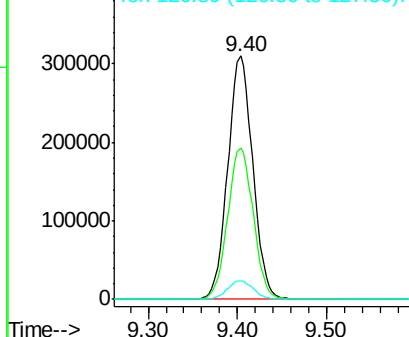
Tot Ion:	83	Resp:	601927
Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.2	78.2
127	7.6	6.5	9.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 48.625 ug/l

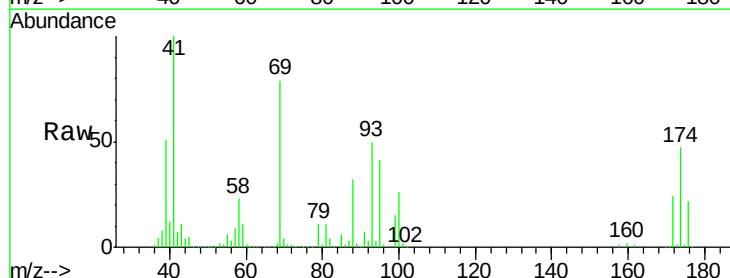
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

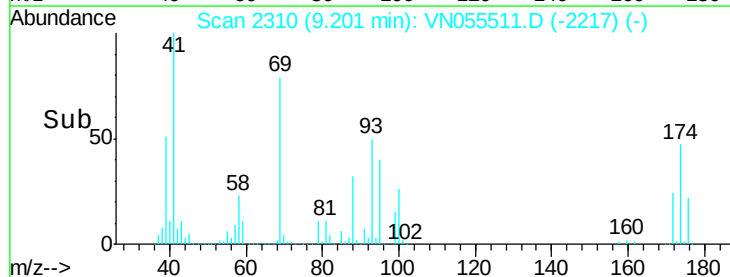
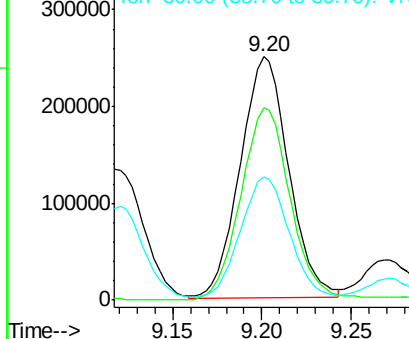
Lab File: VN055511.D

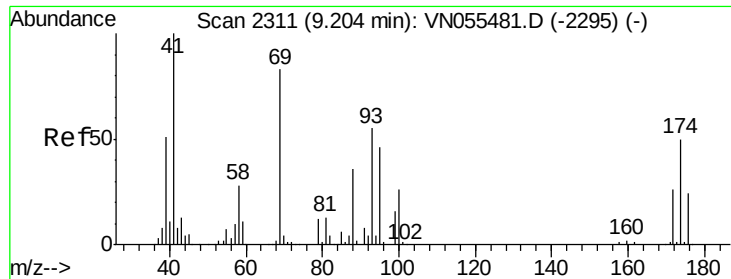
Acq: 9 May 2019 21:29

Tgt Ion:	41	Resp:	474159
Ion	Ratio	Lower	Upper
41	100		
69	81.4	64.2	96.2
39	51.4	41.6	62.4



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





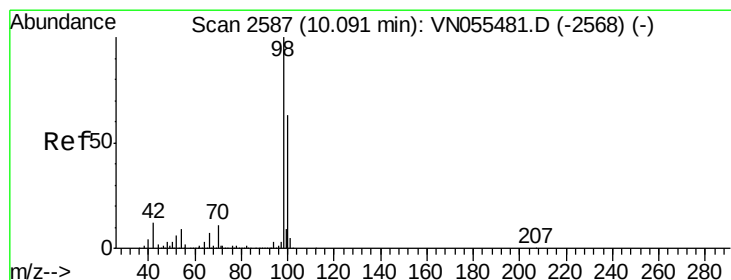
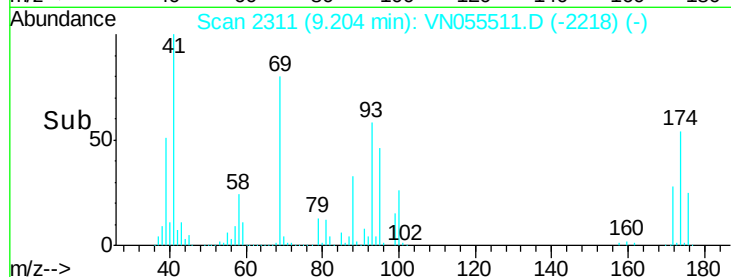
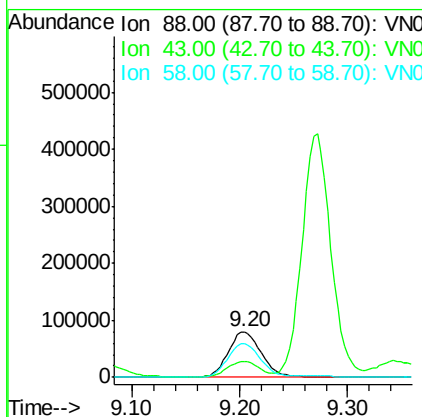
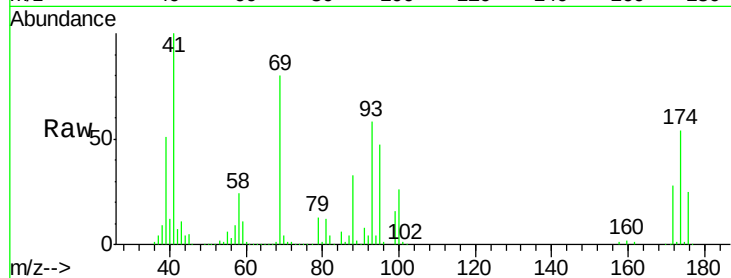
#49
1,4-Dioxane
Concen: 910.397 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	173027
Ion	Ratio	Lower	Upper
88	100		
43	32.5	27.8	41.8
58	73.7	61.8	92.6

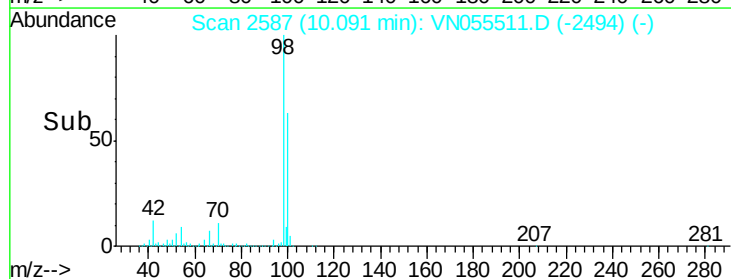
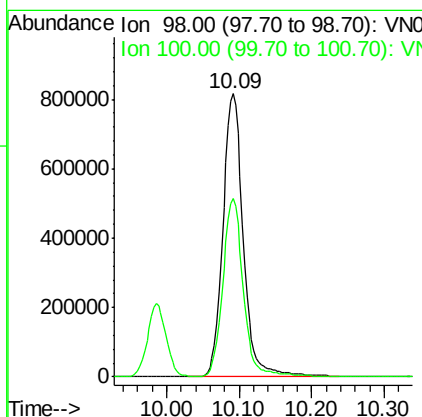
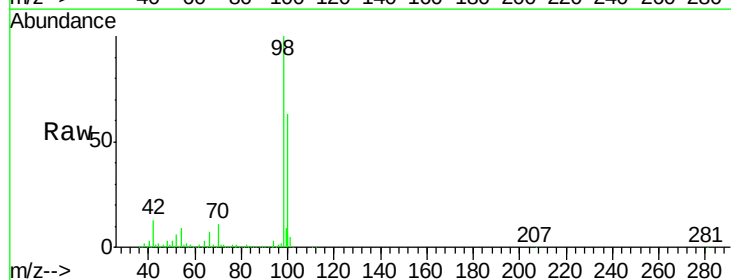
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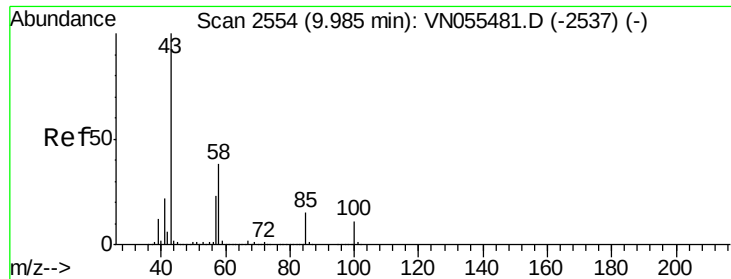
MMDadoda
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#50
Toluene-d8
Concen: 51.108 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion	98	Resp	1592613
Ion	Ratio	Lower	Upper
98	100		
100	62.4	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 232.312 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3092282

Ion Ratio Lower Upper

43 100

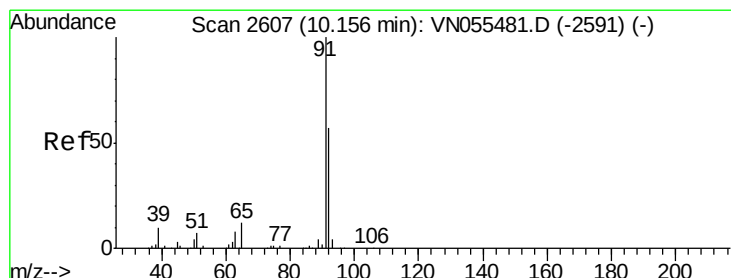
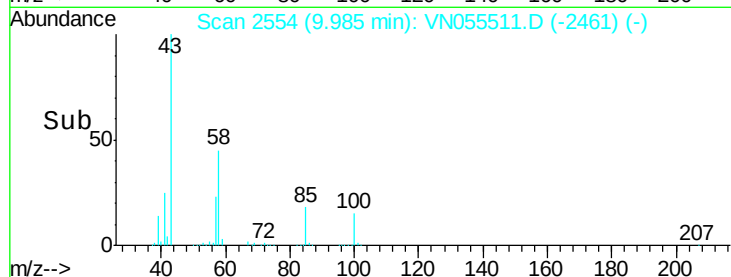
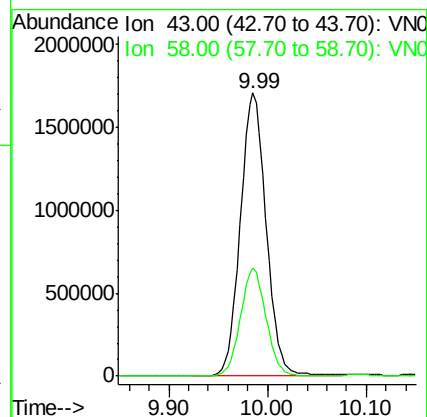
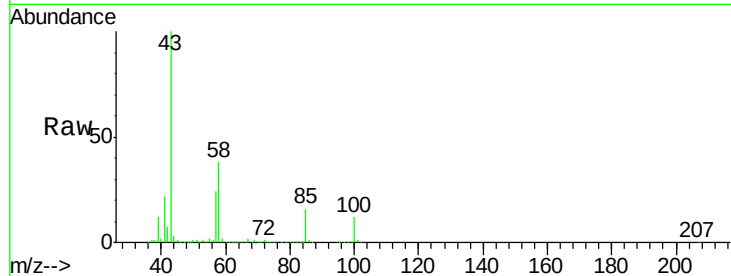
58 37.7 29.9 44.9

Manual Integrations

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#52

Toluene

Concen: 50.679 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055511.D

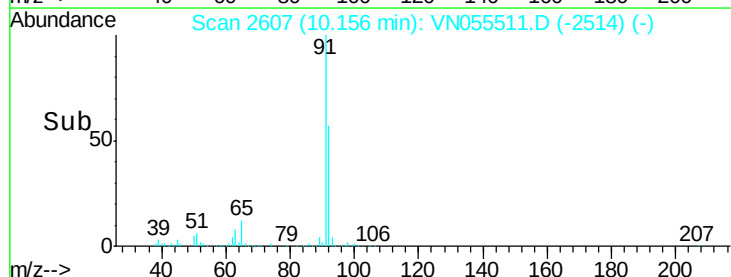
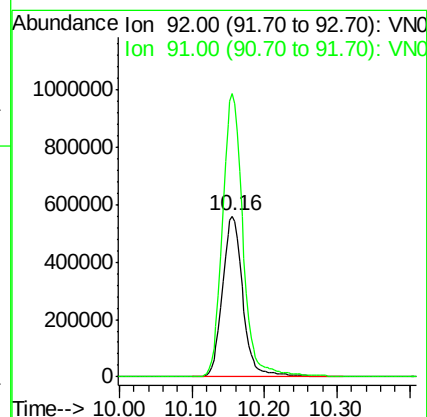
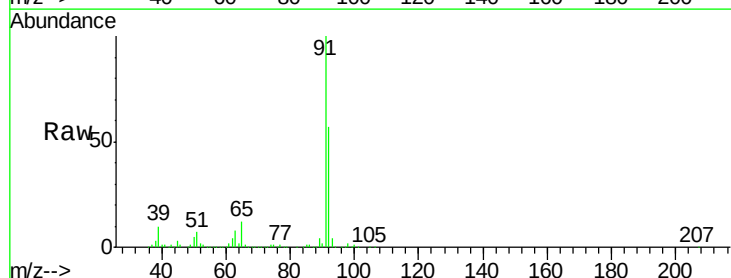
Acq: 9 May 2019 21:29

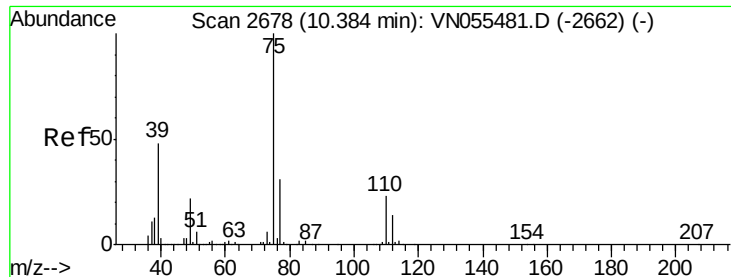
Tgt Ion: 92 Resp: 1098152

Ion Ratio Lower Upper

92 100

91 176.8 140.5 210.7





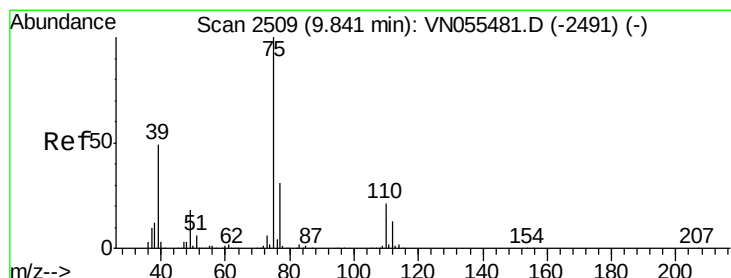
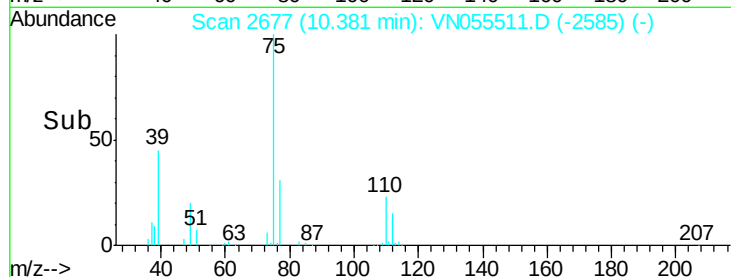
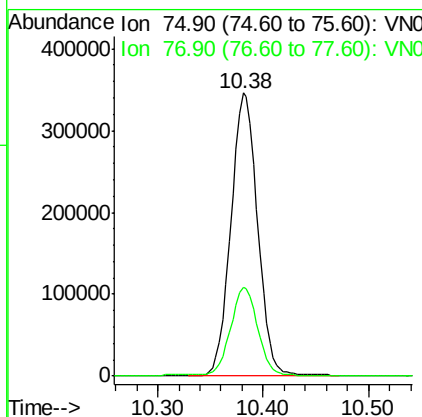
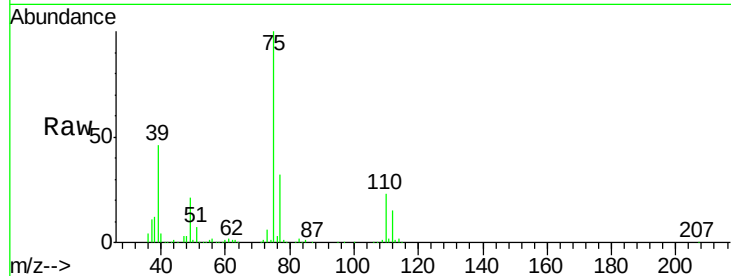
#53
t-1,3-Dichloropropene
Concen: 52.571 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 607185
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7

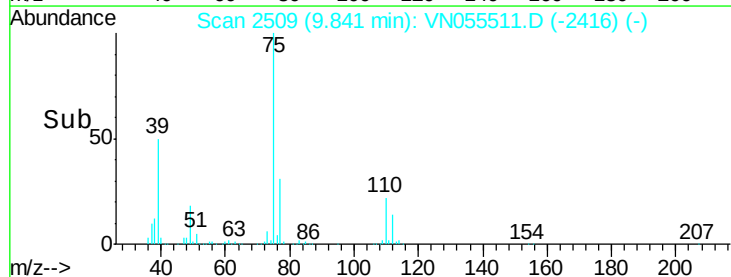
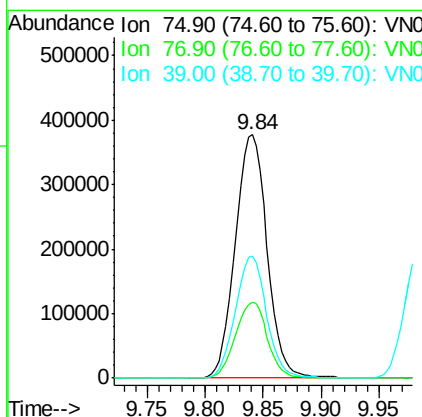
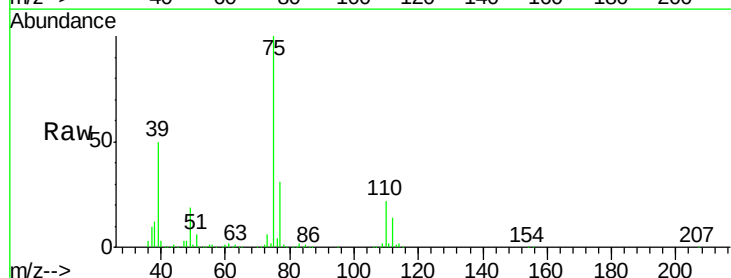
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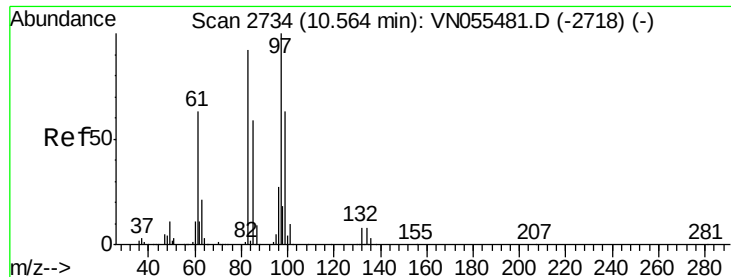
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.076 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion: 75 Resp: 718713
Ion Ratio Lower Upper
75 100
77 31.3 24.4 36.6
39 50.2 39.5 59.3





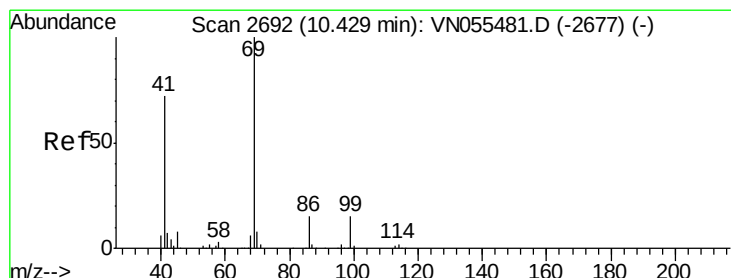
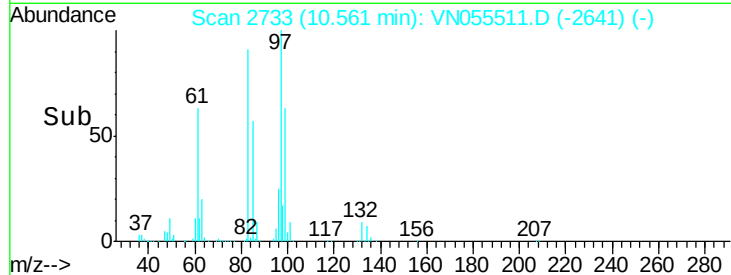
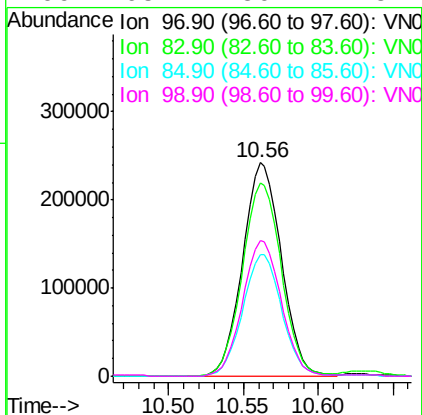
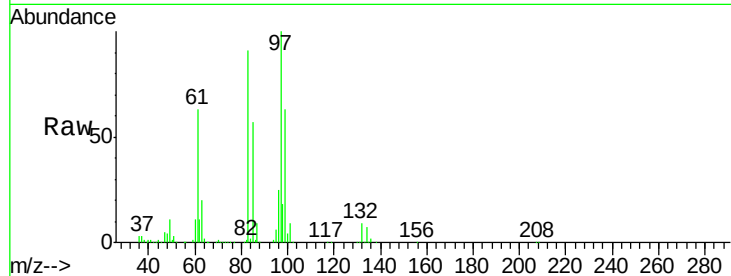
#55
 1,1,2-Trichloroethane
 Concen: 49.746 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.6	73.2	109.8
85	57.1	47.5	71.3
99	63.1	50.2	75.2

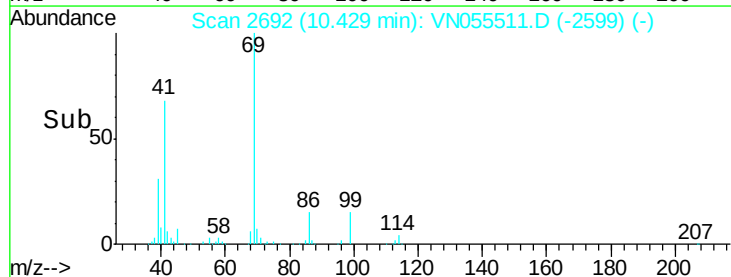
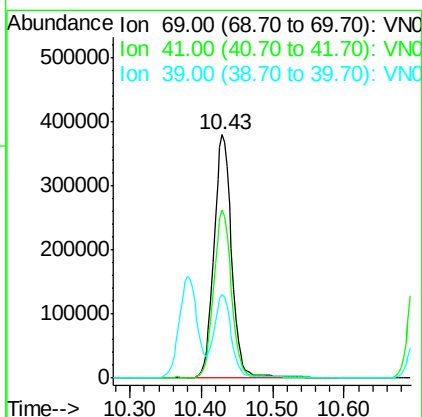
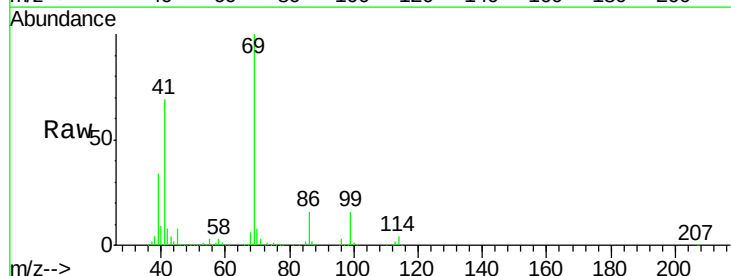
Manual Integrations
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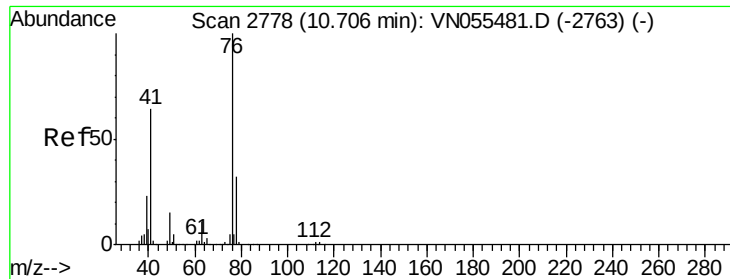
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#56
 Ethyl methacrylate
 Concen: 50.247 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.2	56.2	84.2
39	33.4	27.8	41.6





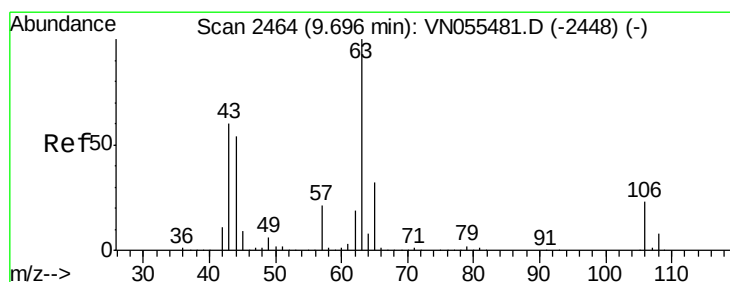
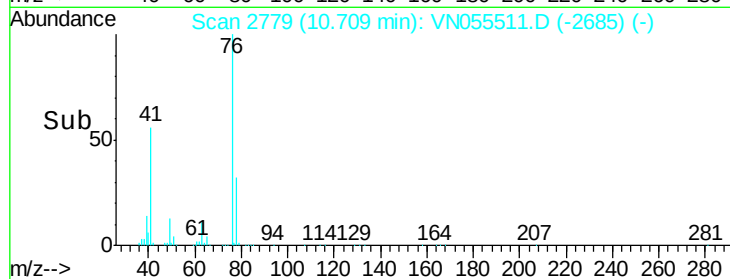
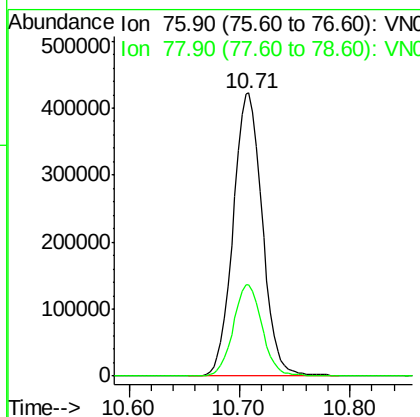
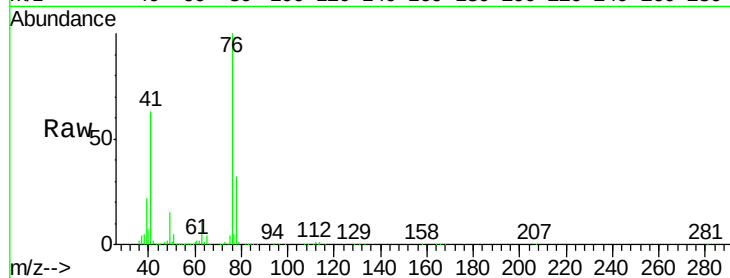
#57
 1,3-Dichloropropane
 Concen: 49.580 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

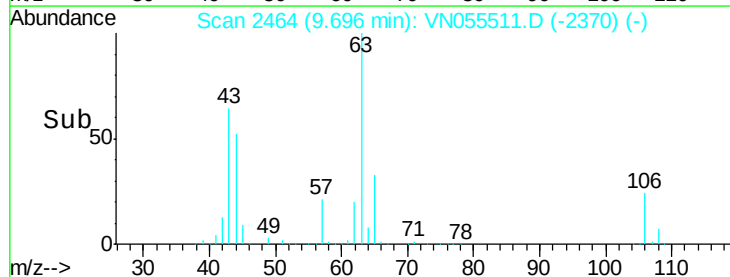
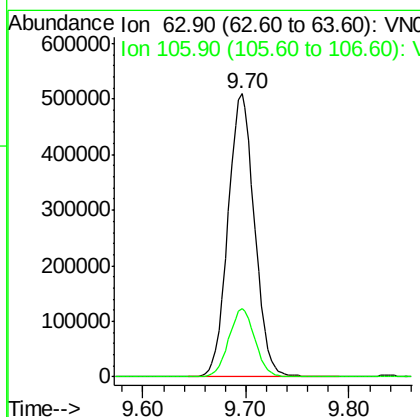
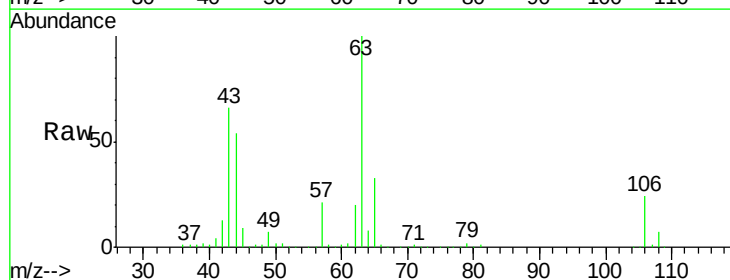
Manual Integrations
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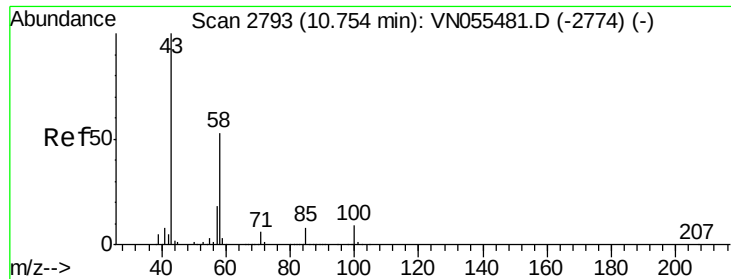
MMDadoda
 5/10/2019 12:44:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 210.171 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.6	18.6	27.8





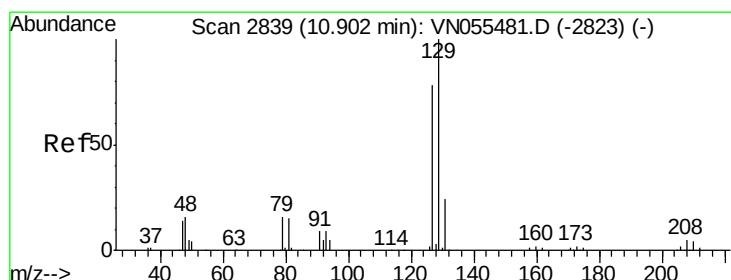
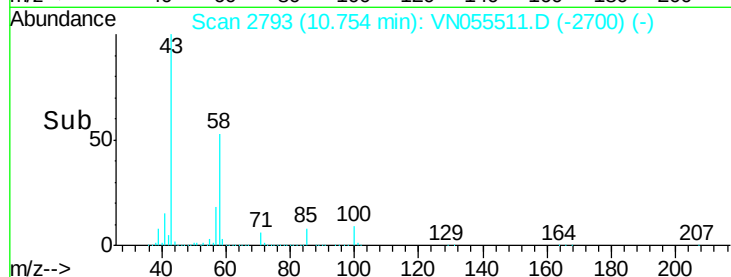
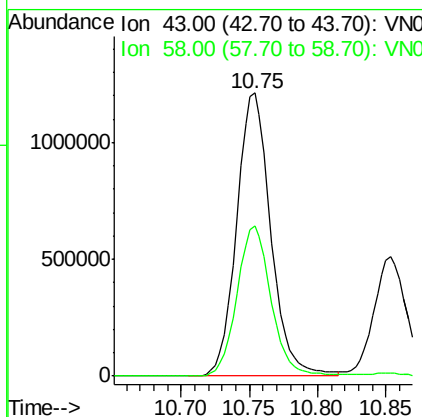
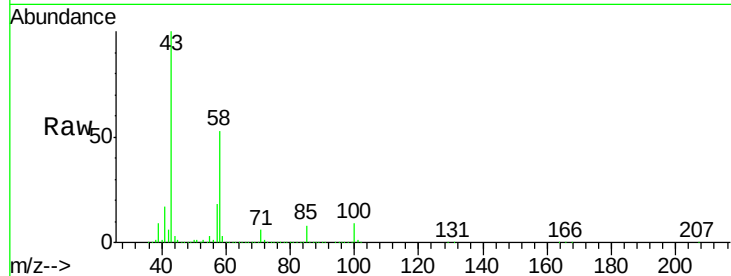
#59
2-Hexanone
Concen: 225.065 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 2100973
Ion Ratio Lower Upper
43 100
58 53.3 26.4 79.0

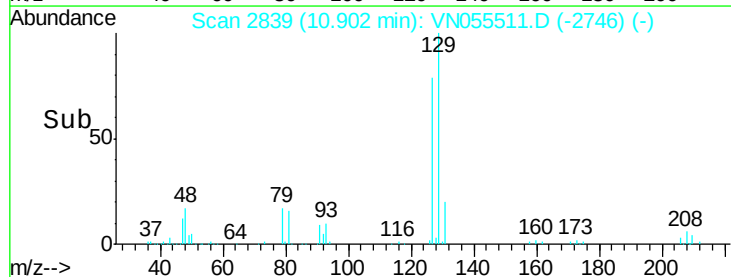
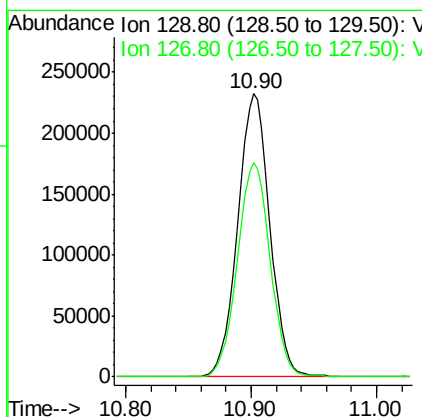
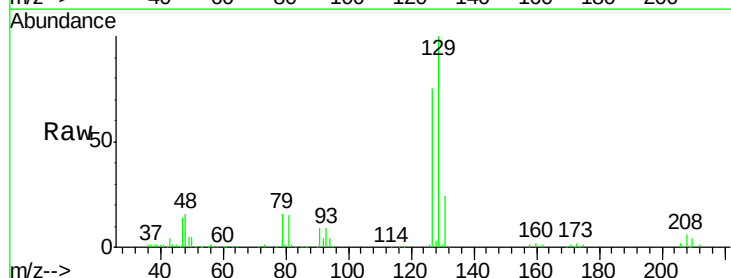
Manual Integrations
APPROVED

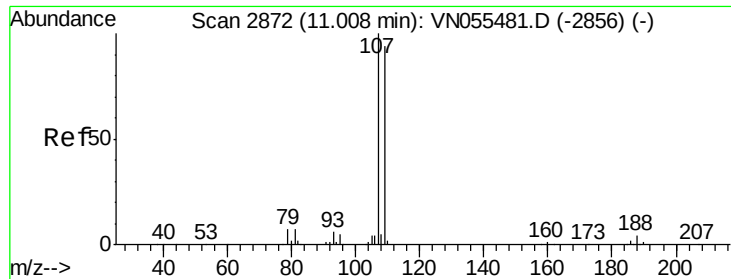
MMDadoda
5/10/2019 12:44:52 PM



#60
Dibromochloromethane
Concen: 51.826 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion: 129 Resp: 413687
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.155 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 107 Resp: 423072

Ion Ratio Lower Upper

107 100

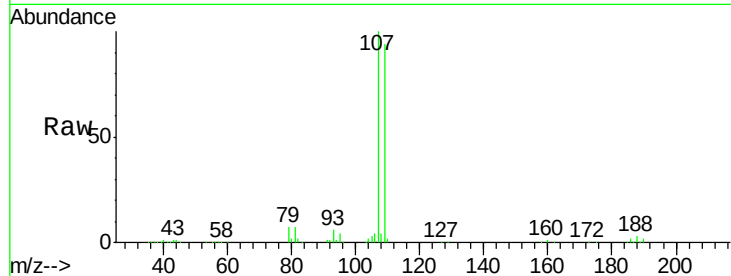
109 94.6 74.2 111.4

Manual Integrations

APPROVED

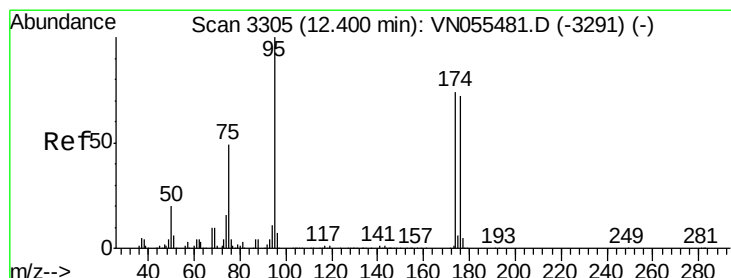
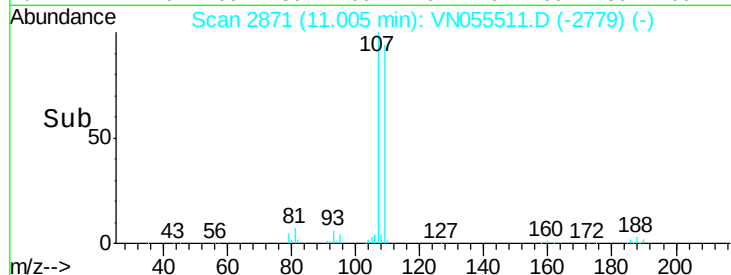
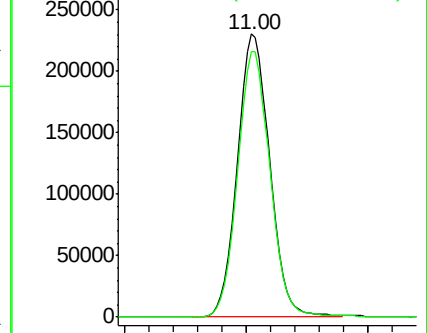
MMDadoda

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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: 51.926 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

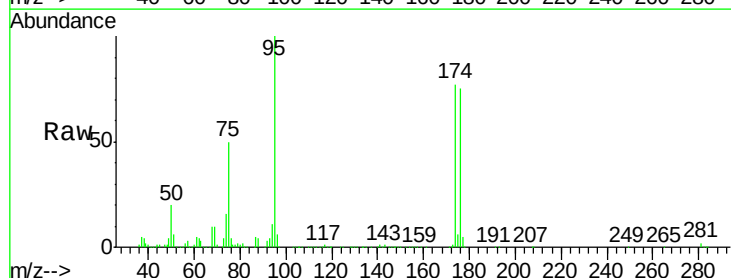
Tgt Ion: 95 Resp: 545609

Ion Ratio Lower Upper

95 100

174 77.9 0.0 152.2

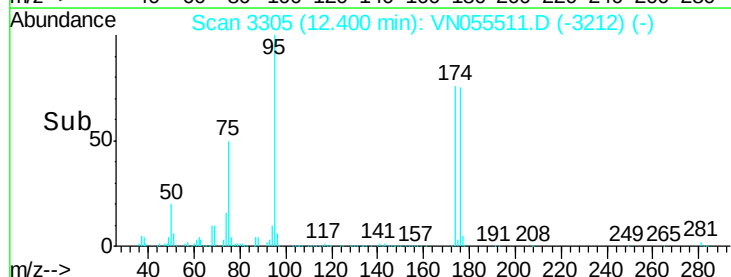
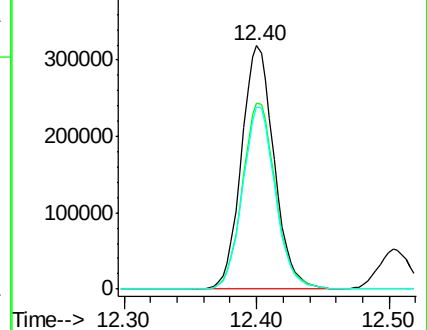
176 75.0 0.0 147.8

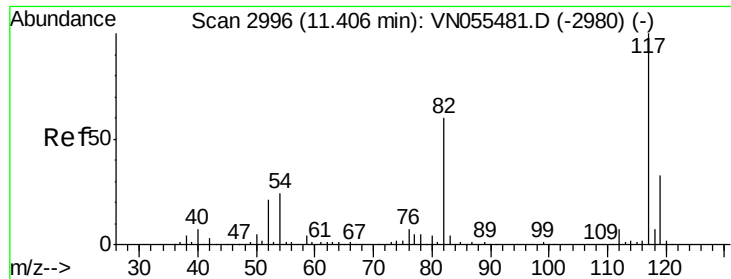


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





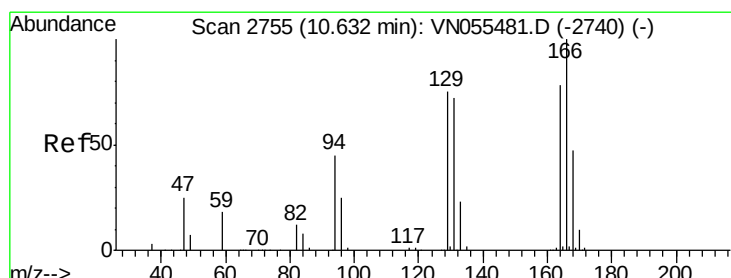
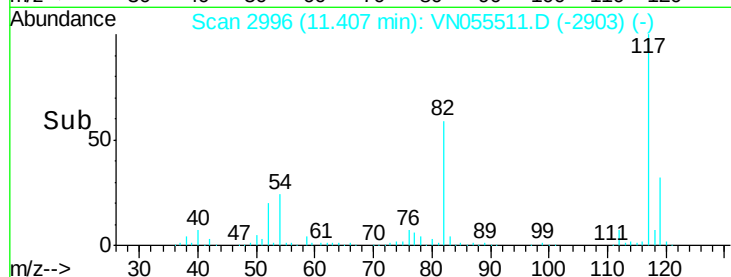
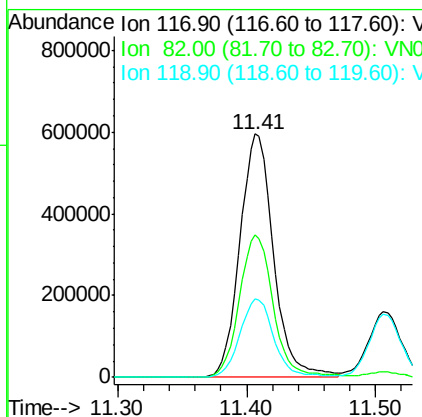
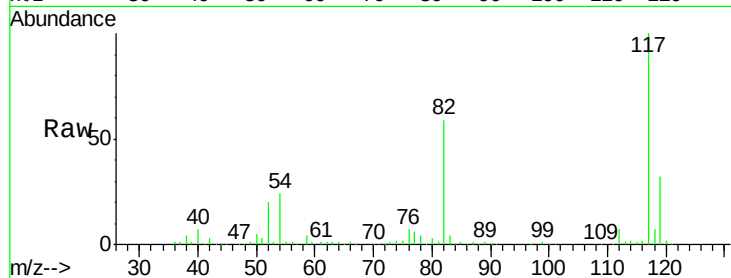
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1082625
Ion Ratio Lower Upper
117 100
82 58.7 48.0 72.0
119 32.1 26.0 39.0

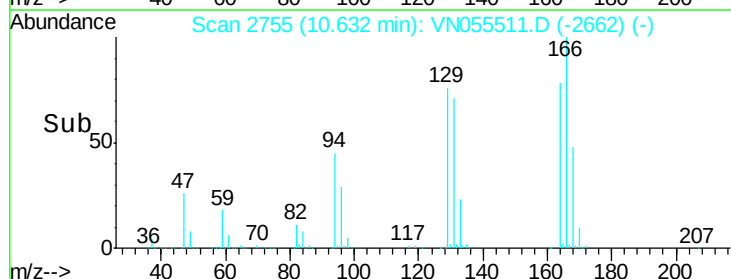
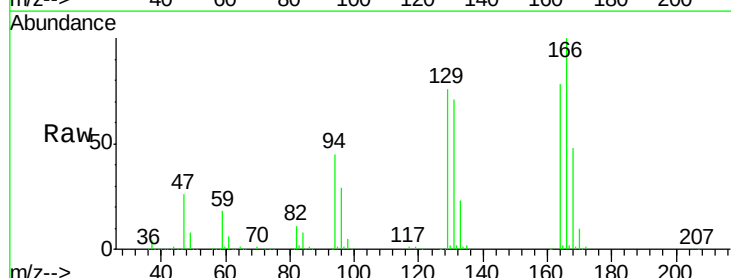
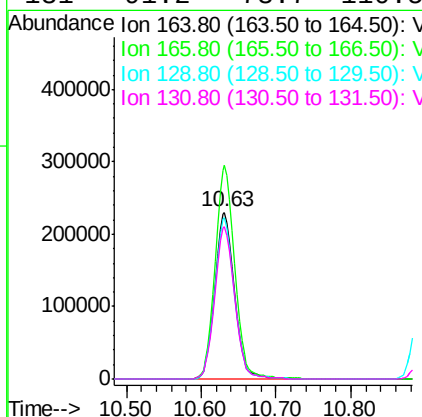
Manual Integrations
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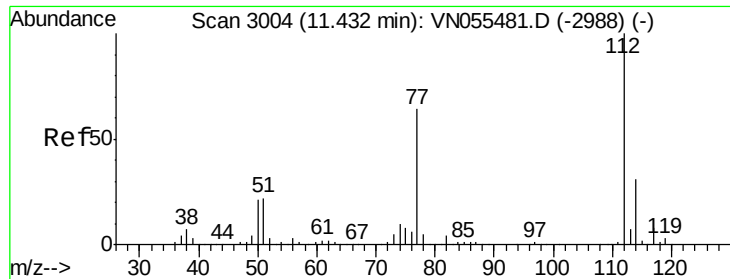
MMDadoda
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#64
Tetrachloroethene
Concen: 47.716 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion:164 Resp: 423290
Ion Ratio Lower Upper
164 100
166 128.1 102.6 153.8
129 96.7 77.0 115.6
131 91.2 73.7 110.5





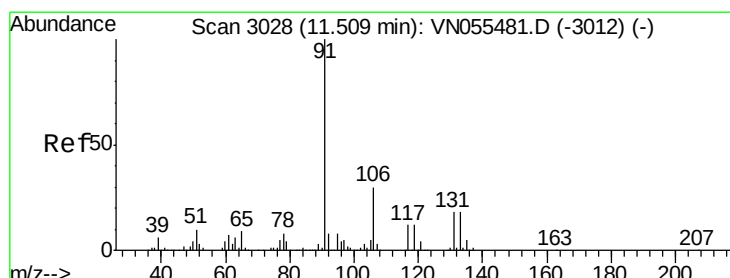
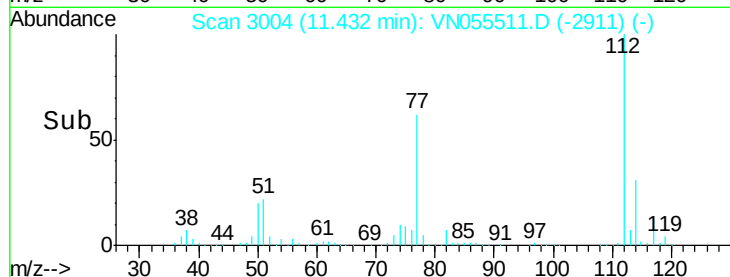
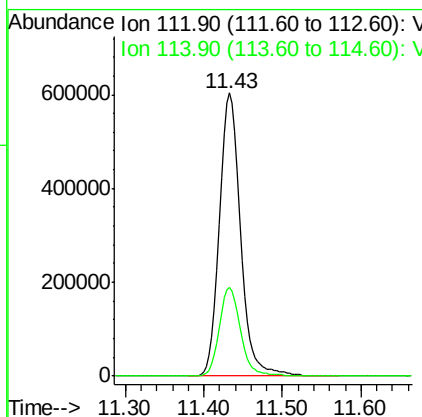
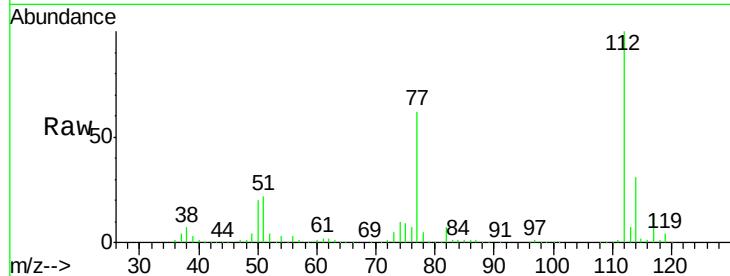
#65
Chlorobenzene
Concen: 50.131 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1116582
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.4

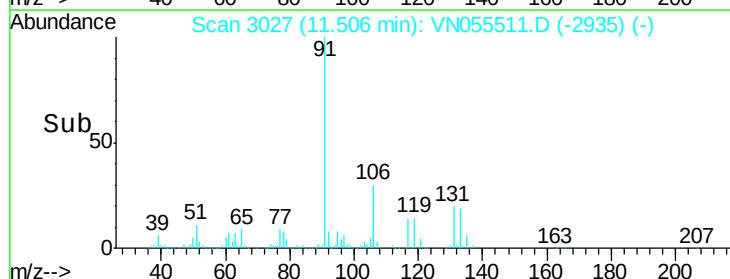
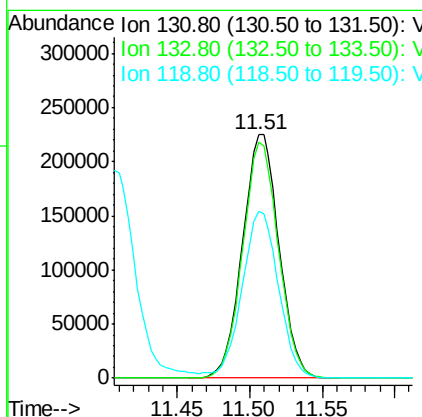
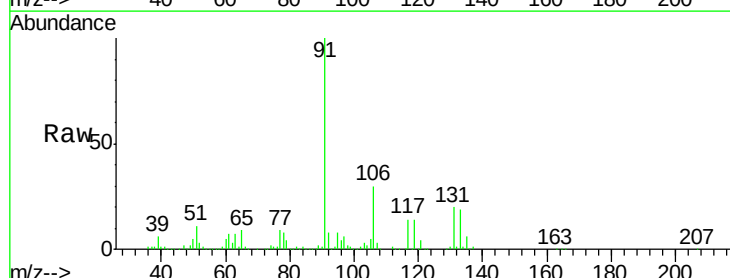
Manual Integrations
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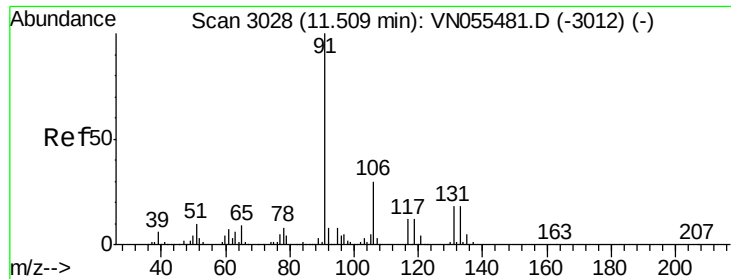
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.268 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion:131 Resp: 393122
Ion Ratio Lower Upper
131 100
133 95.3 47.4 142.2
119 68.3 34.1 102.2





#67

Ethyl Benzene

Concen: 49.529 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2071946

Ion Ratio Lower Upper

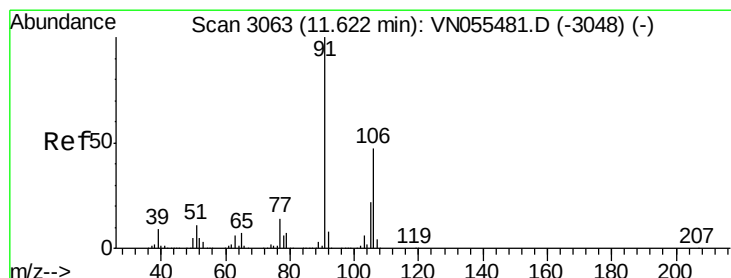
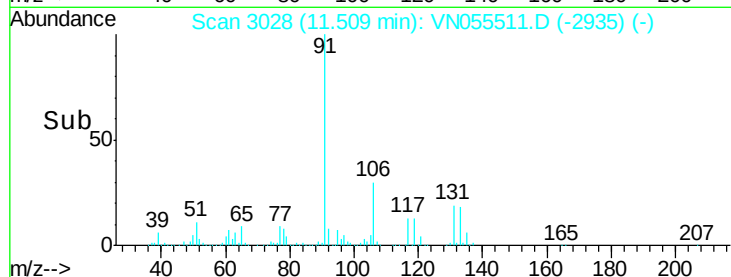
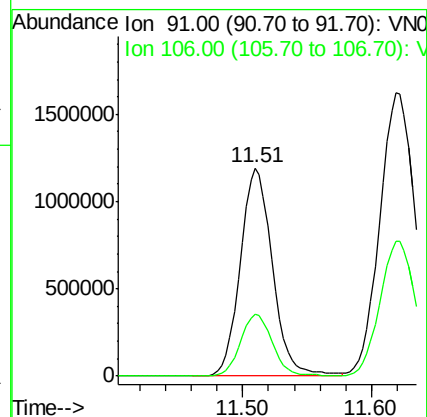
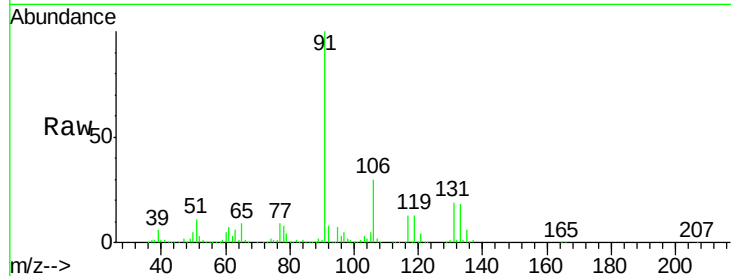
91 100

106 29.8 23.8 35.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 101.043 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055511.D

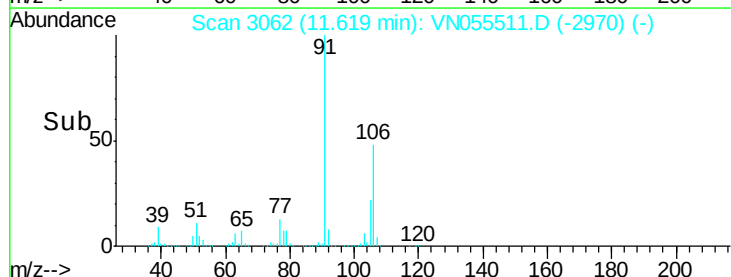
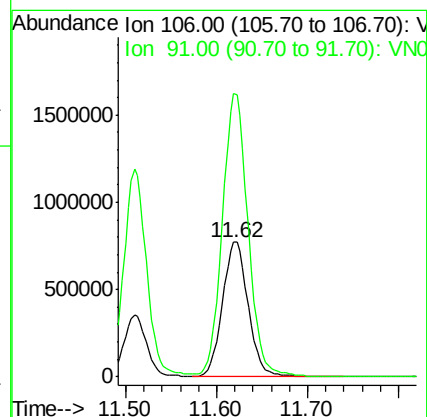
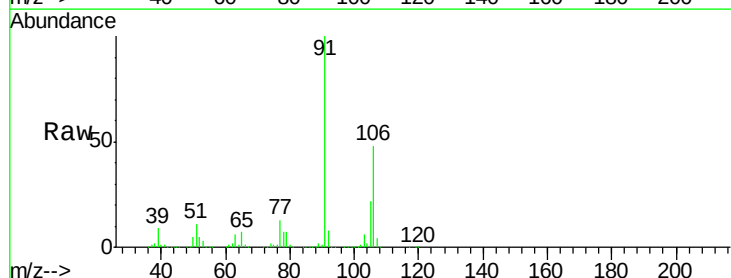
Acq: 9 May 2019 21:29

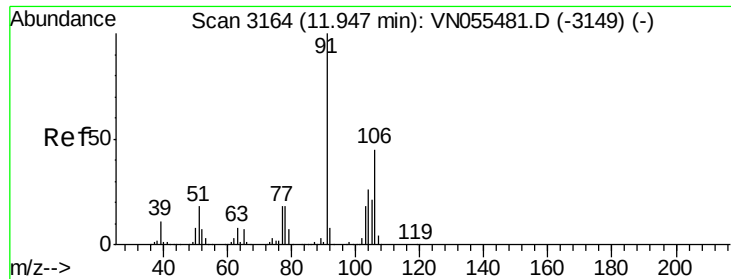
Tgt Ion: 106 Resp: 1516930

Ion Ratio Lower Upper

106 100

91 210.3 169.2 253.8





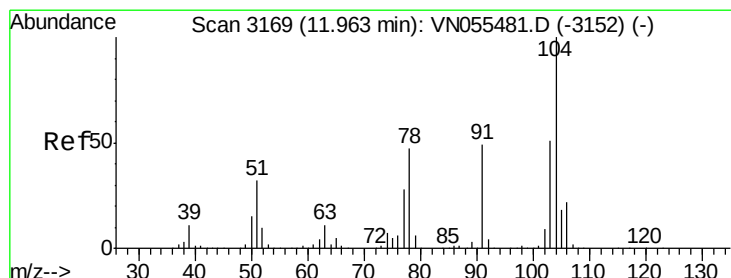
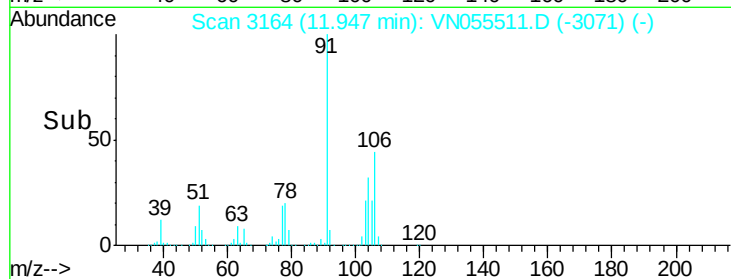
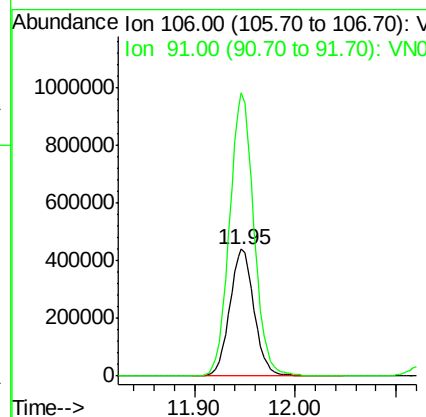
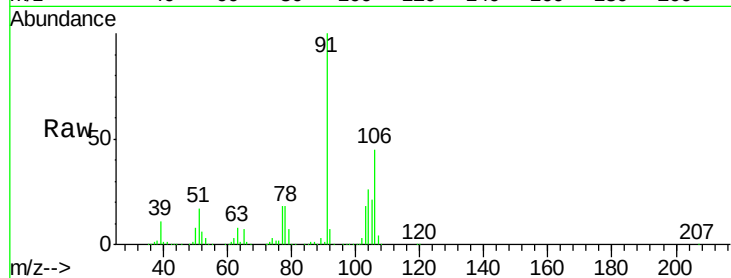
#69
o-Xylene
Concen: 50.298 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 742176
Ion Ratio Lower Upper
106 100
91 223.2 111.3 333.8

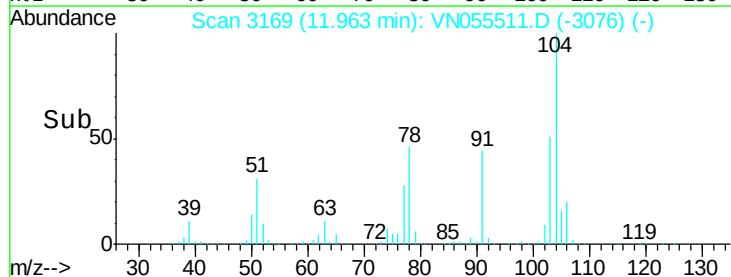
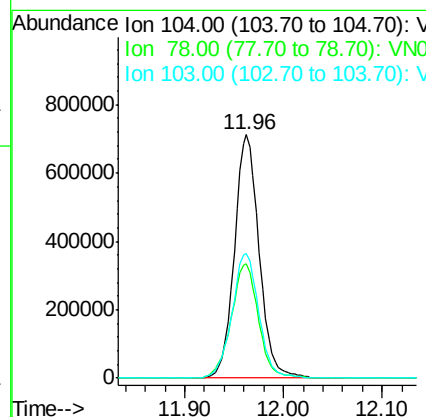
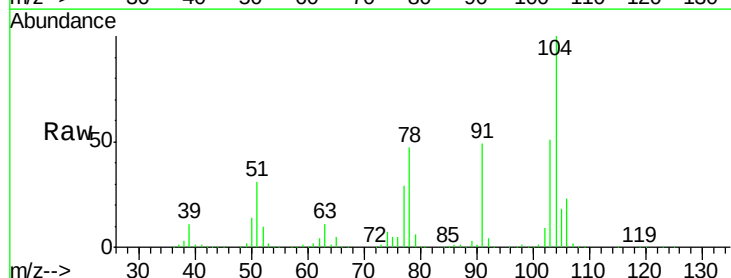
Manual Integrations
APPROVED

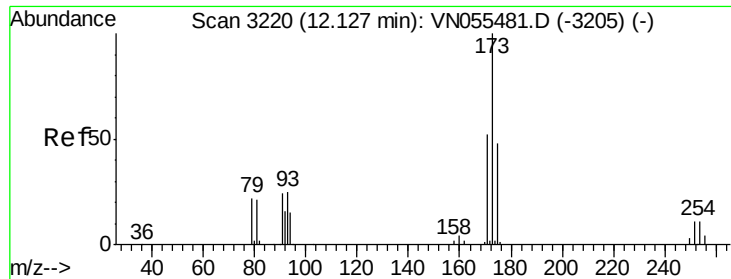
MMDadoda
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#70
Styrene
Concen: 52.740 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion:104 Resp: 1246769
Ion Ratio Lower Upper
104 100
78 51.7 41.6 62.4
103 55.8 44.4 66.6





#71

Bromoform

Concen: 52.252 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 270372

Ion Ratio Lower Upper

173 100

175 49.4 24.1 72.4

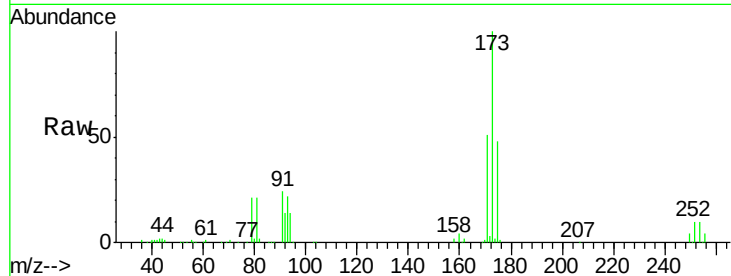
254 0.1 0.1 0.1

Manual Integrations

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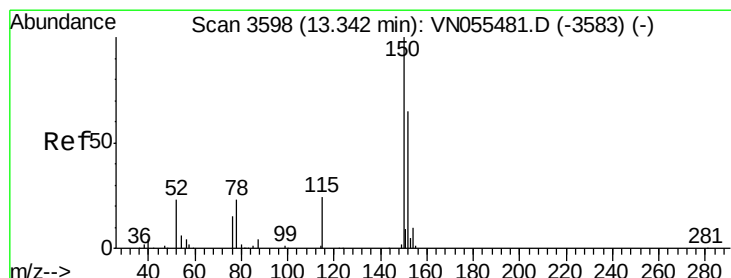
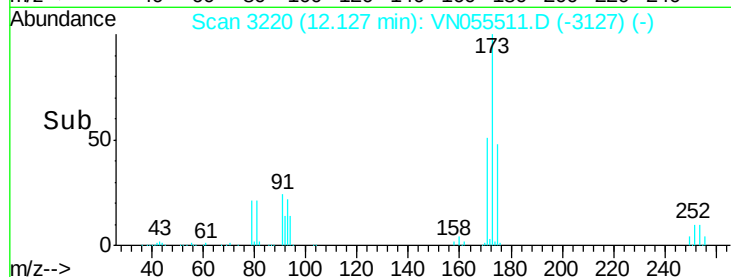
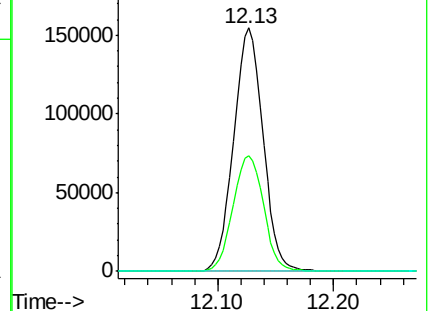
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN055511.D

Acq: 9 May 2019 21:29

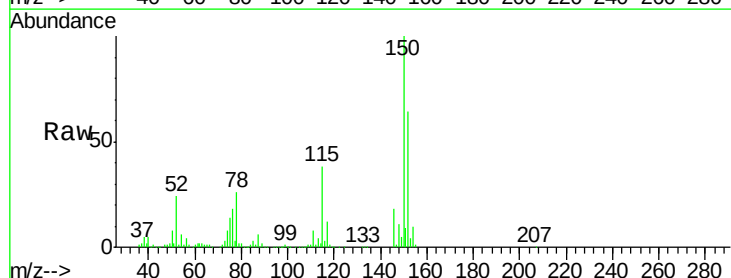
Tgt Ion:152 Resp: 458123

Ion Ratio Lower Upper

152 100

115 60.3 30.1 90.5

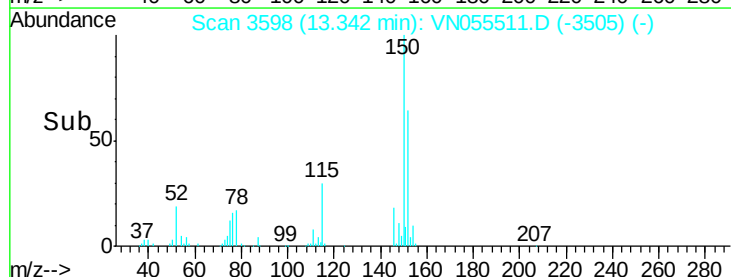
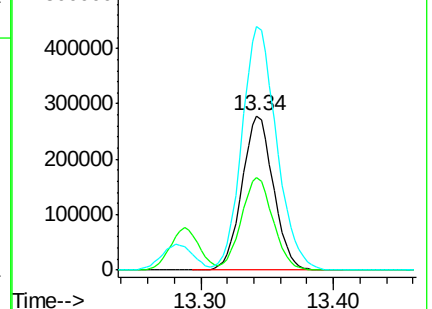
150 174.2 0.0 355.0

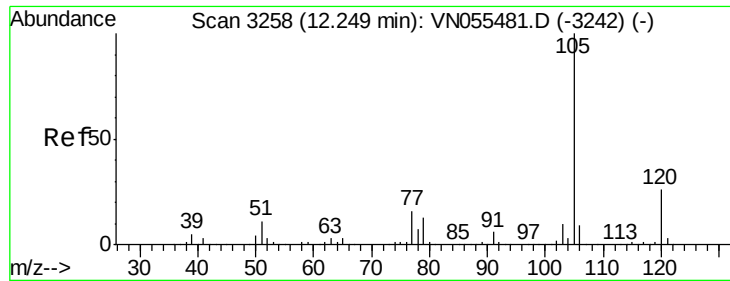


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





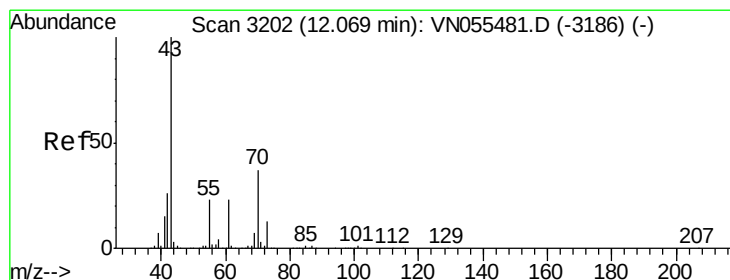
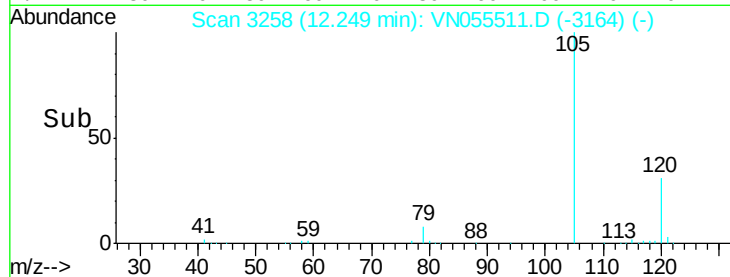
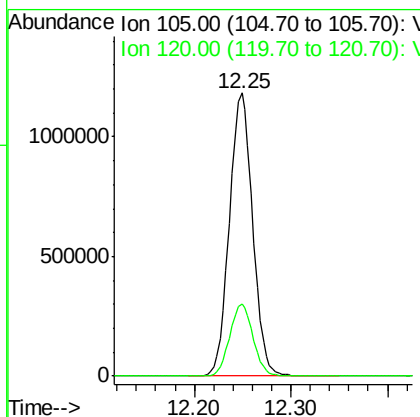
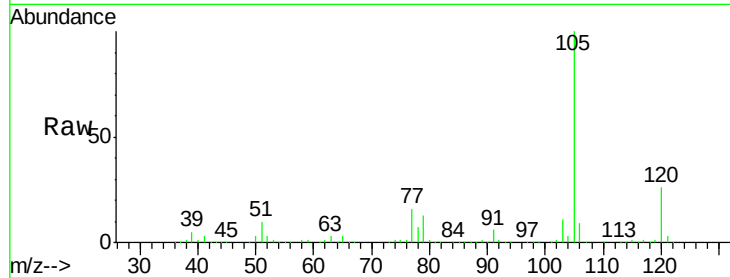
#73
Isopropylbenzene
Concen: 52.377 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:105 Resp: 1974050
Ion Ratio Lower Upper
105 100
120 25.6 13.0 39.0

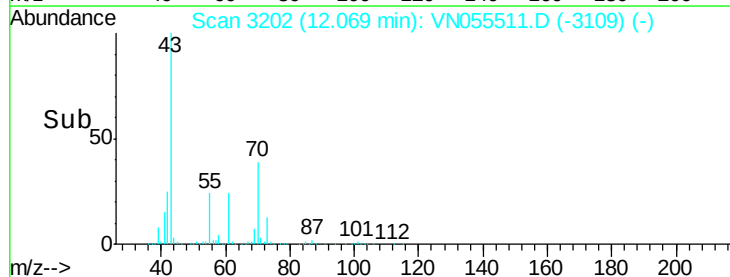
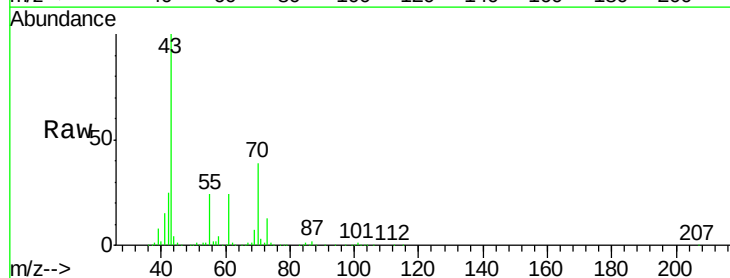
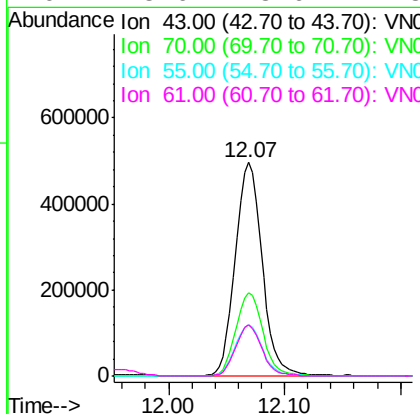
Manual Integrations
APPROVED

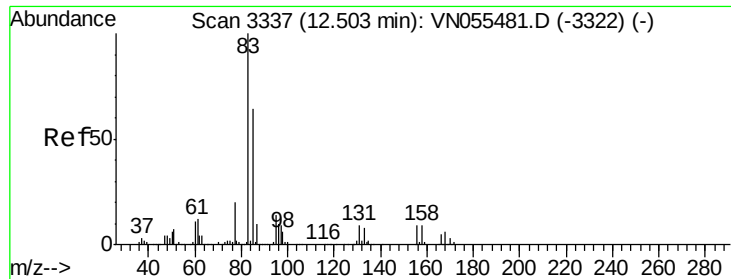
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#74
N-ethyl acetate
Concen: 45.732 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion: 43 Resp: 795416
Ion Ratio Lower Upper
43 100
70 39.5 30.7 46.1
55 24.6 19.3 28.9
61 23.6 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.218 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

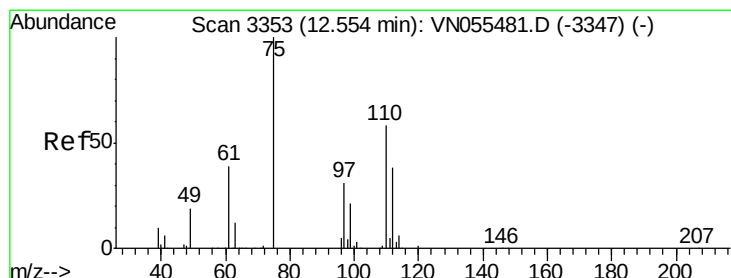
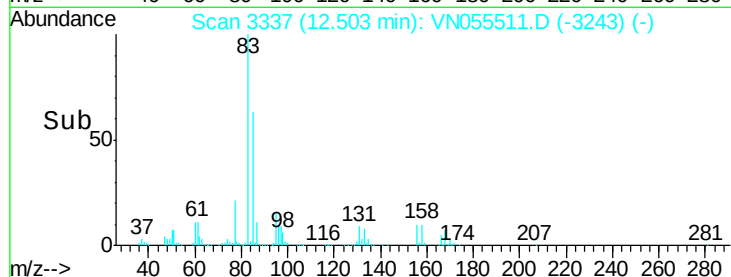
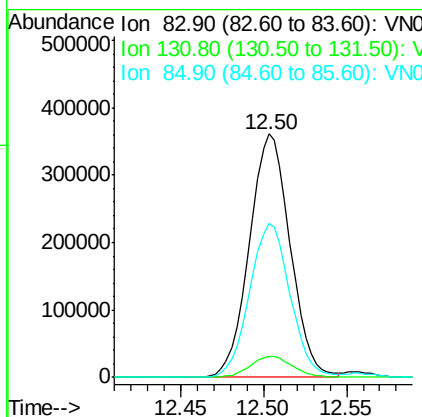
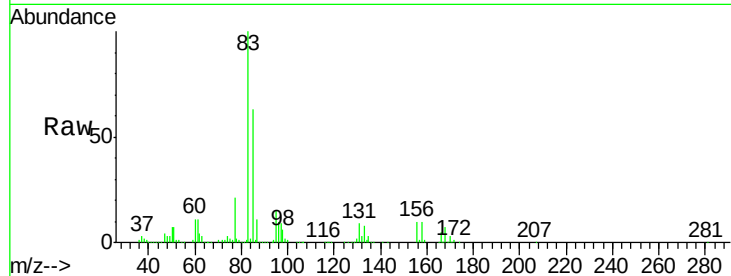
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	616665
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.5
85	63.0	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 41.069 ug/l m

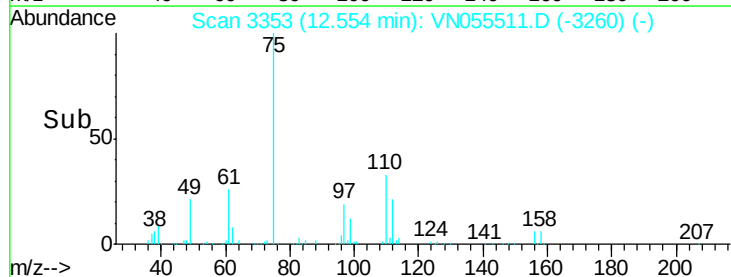
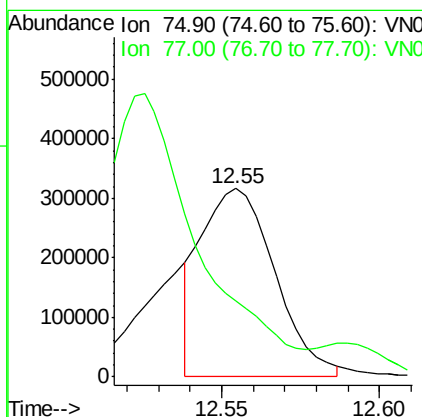
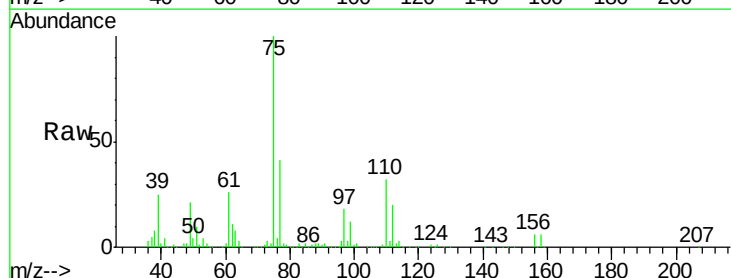
RT: 12.55 min Scan# 3353

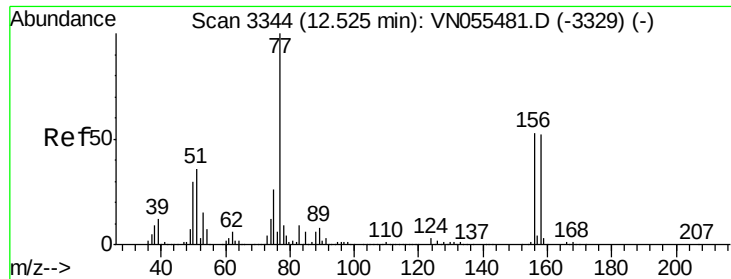
Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Tgt Ion:	75	Resp:	512196
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 44.960 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

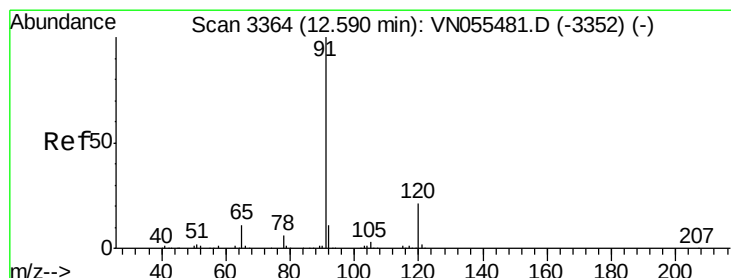
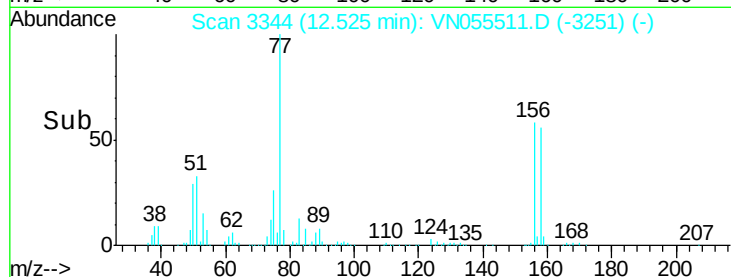
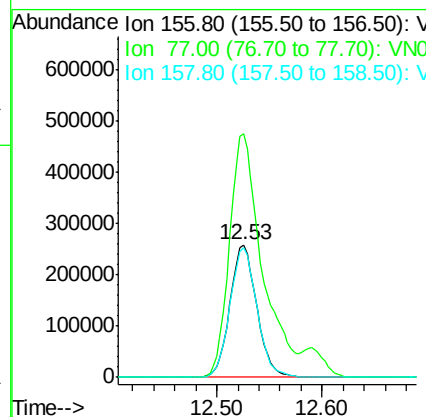
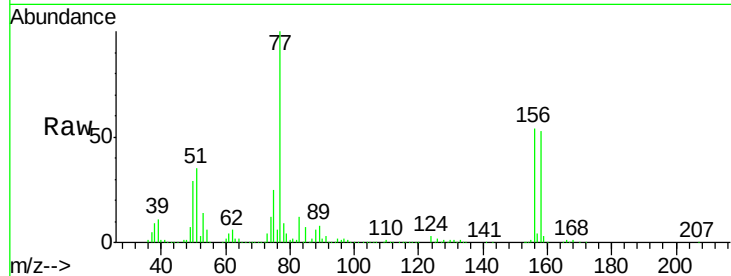
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	224.5	115.4	346.2
158	98.8	48.7	146.1

Manual Integrations
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#78

n-propylbenzene

Concen: 45.798 ug/l

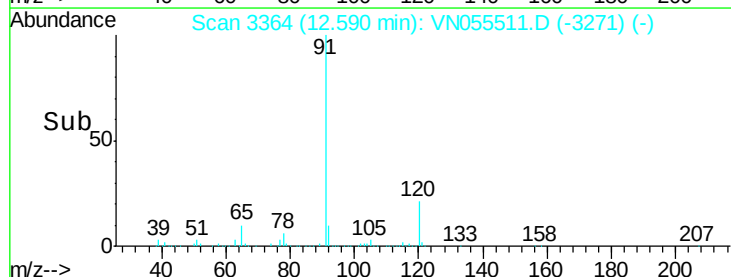
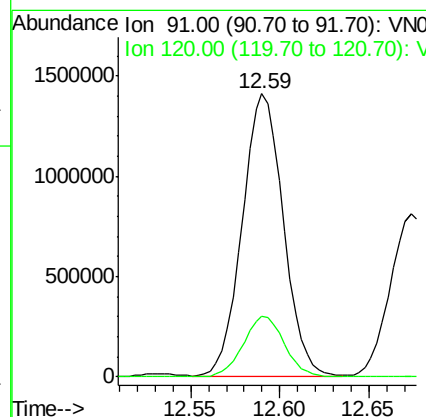
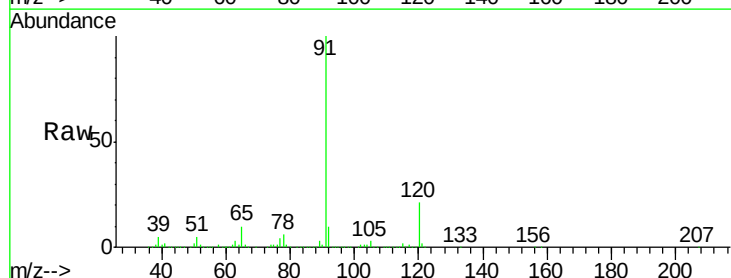
RT: 12.59 min Scan# 3364

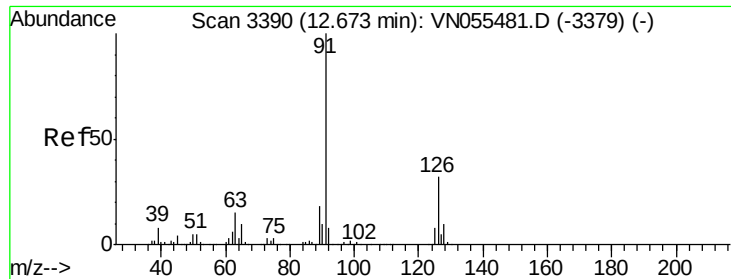
Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.3





#79

2-Chlorotoluene

Concen: 44.399 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1359604

Ion Ratio Lower Upper

91 100

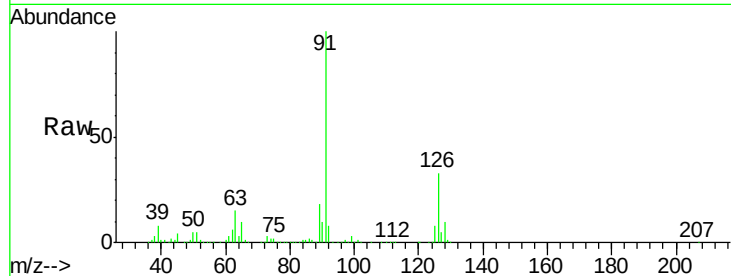
126 32.9 16.0 47.9

Manual Integrations

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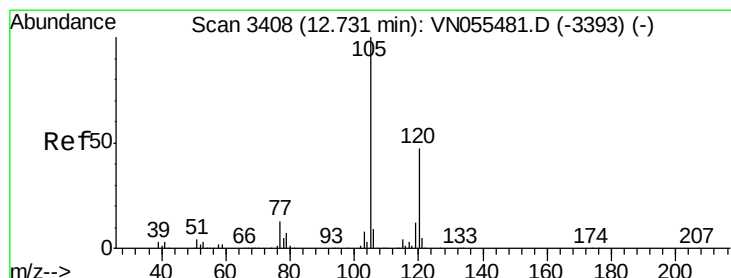
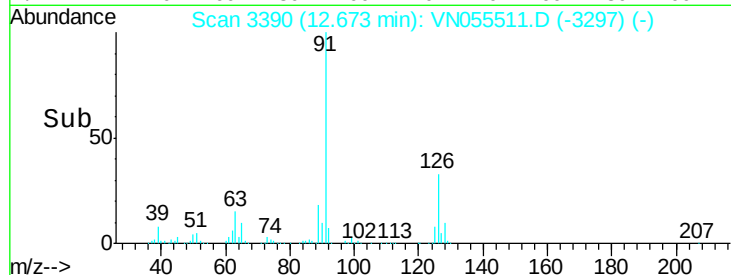


Abundance Ion 91.00 (90.70 to 91.70): VN055511.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN055511.D (-3390) (-)

Time-->

12.67



#80

1,3,5-Trimethylbenzene

Concen: 45.735 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055511.D

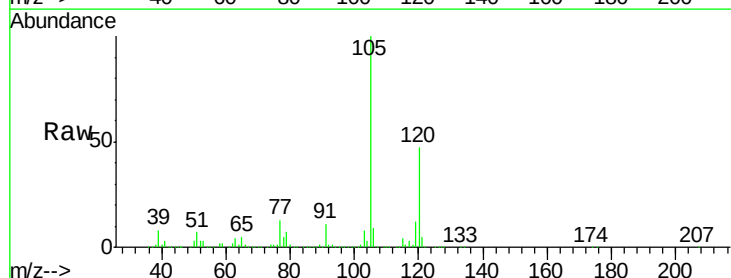
Acq: 9 May 2019 21:29

Tgt Ion:105 Resp: 1675647

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.0

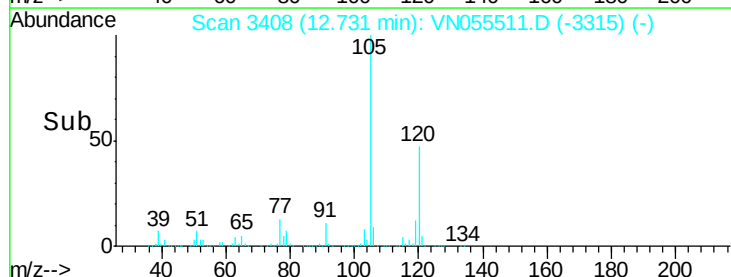


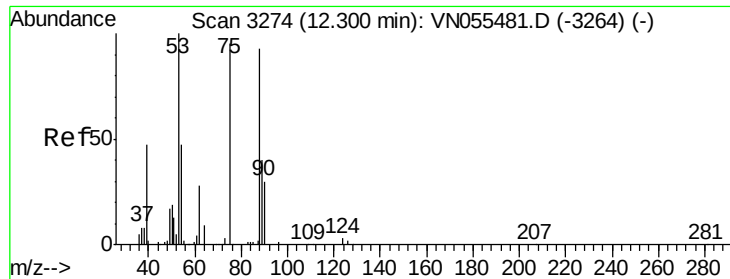
Abundance Ion 105.00 (104.70 to 105.70): VN055511.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN055511.D (-3408) (-)

Time-->

12.73





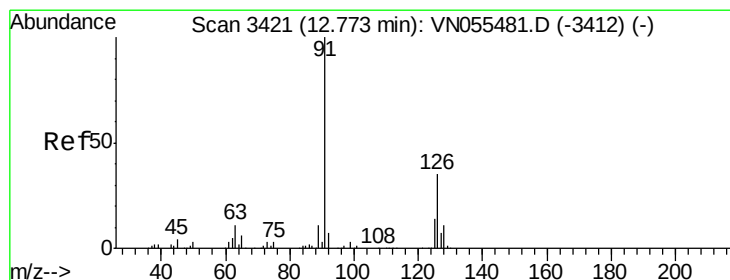
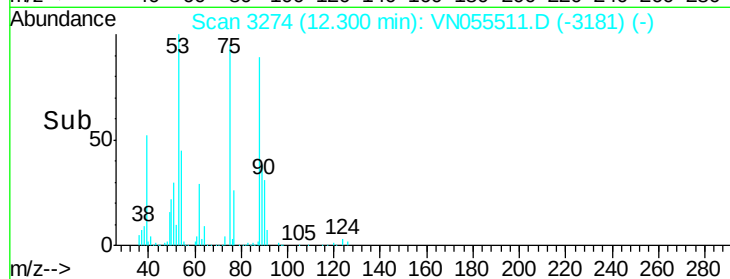
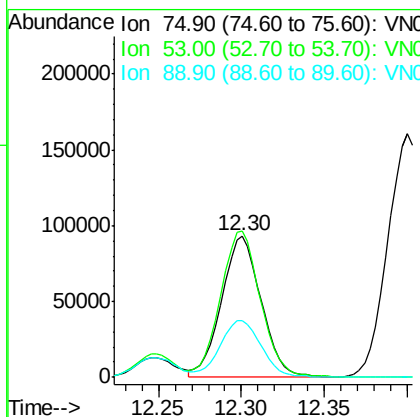
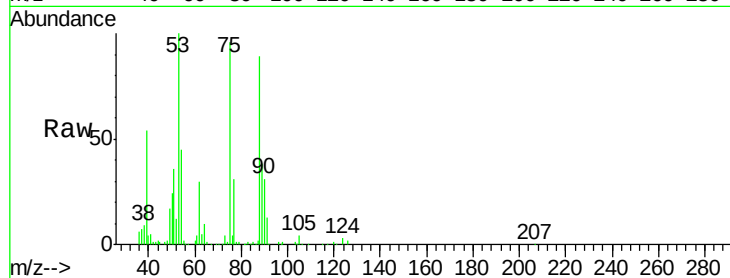
#81
trans-1,4-Dichloro-2-butene
Concen: 45.097 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.1	86.5	129.7
89	42.4	35.7	53.5

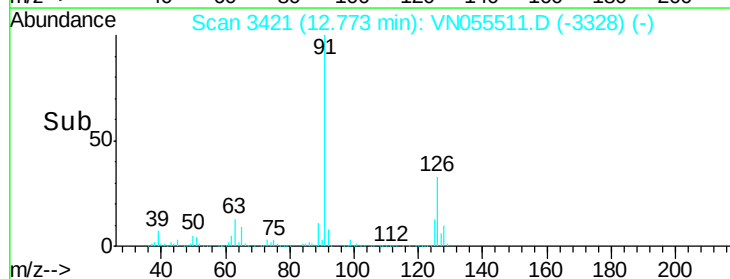
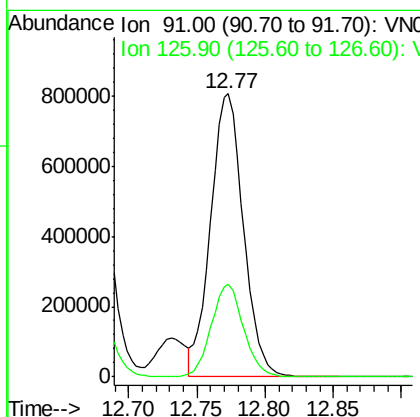
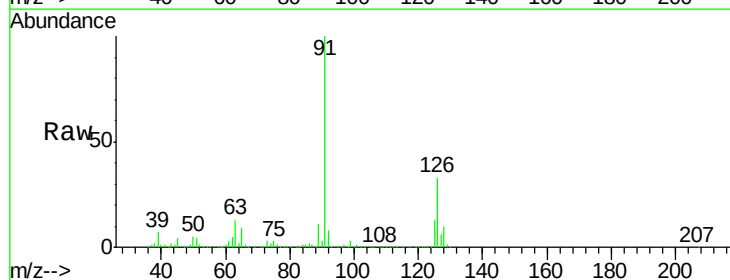
Manual Integrations
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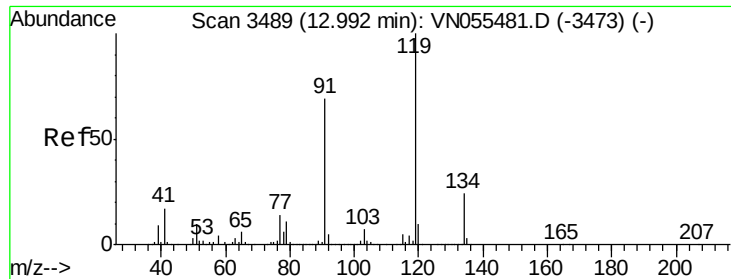
MMDadoda
5/10/2019 12:44:52 PM



#82
4-Chlorotoluene
Concen: 46.312 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.0





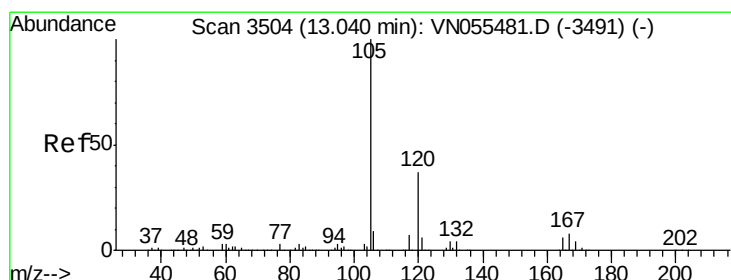
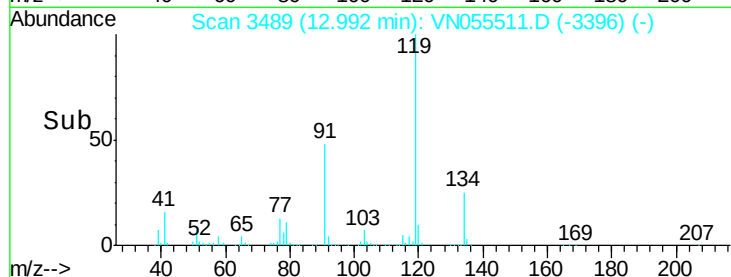
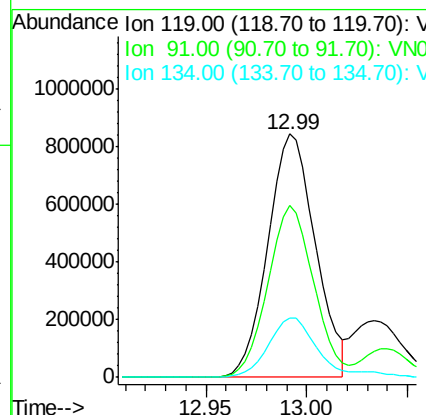
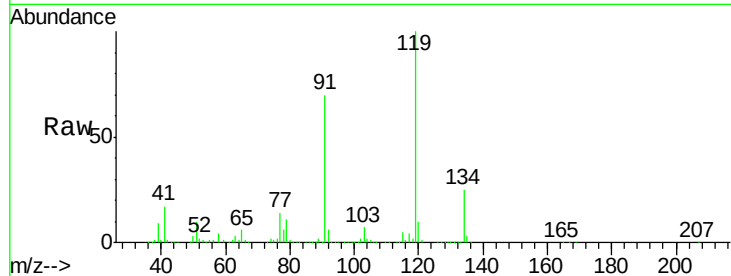
#83
 tert-Butylbenzene
 Concen: 44.079 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:119 Resp: 1384275
 Ion Ratio Lower Upper
 119 100
 91 68.2 33.8 101.3
 134 26.0 12.5 37.5

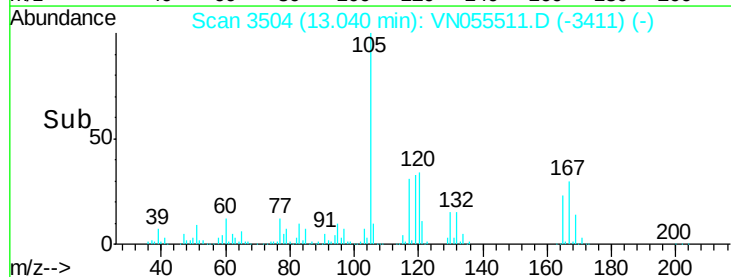
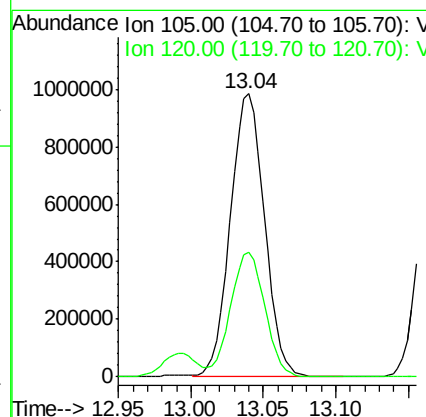
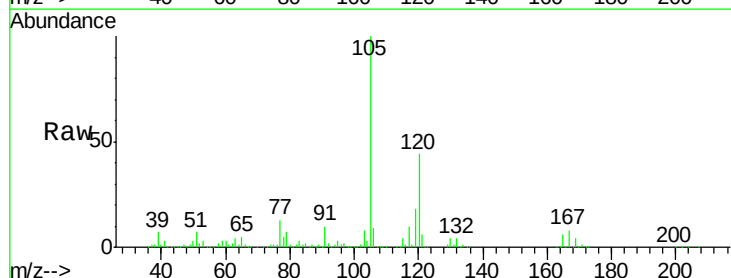
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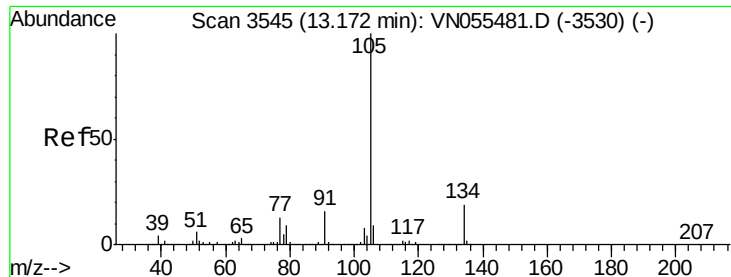
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.844 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Tgt Ion:105 Resp: 1607661
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.1 66.5





#85

sec-Butylbenzene

Concen: 45.037 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1879699

Ion Ratio Lower Upper

105 100

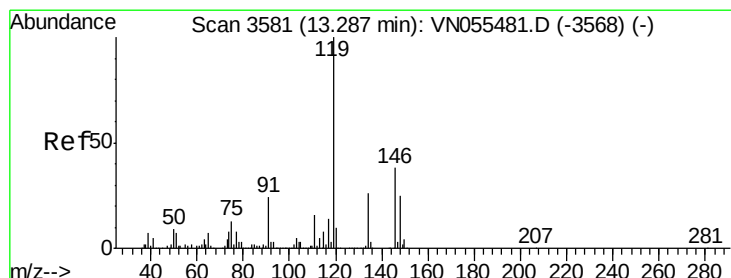
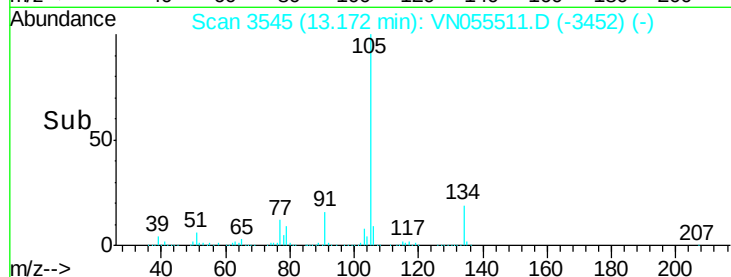
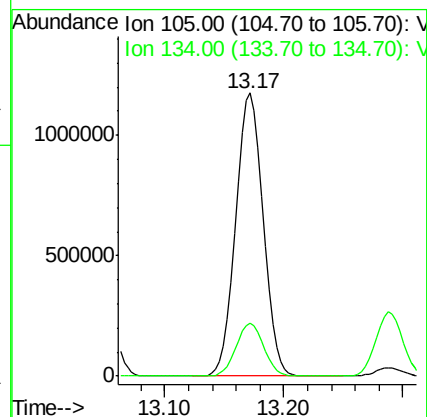
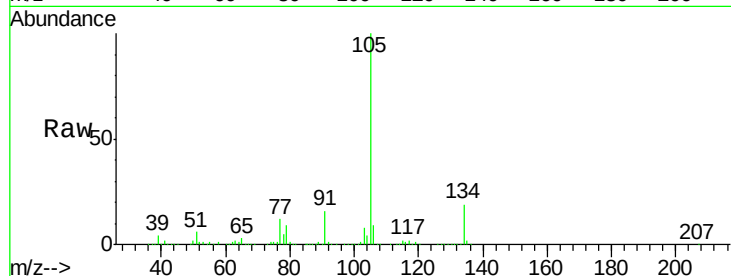
134 18.8 9.3 28.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.308 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

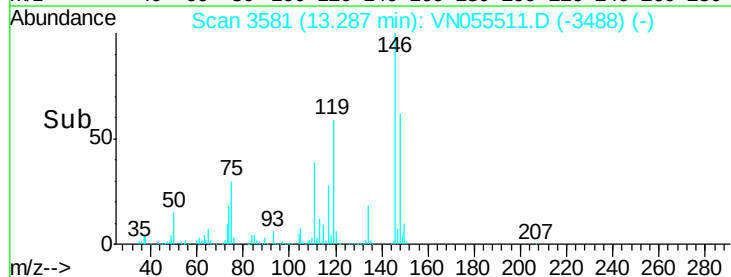
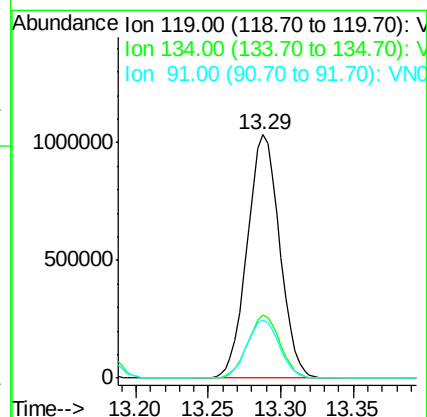
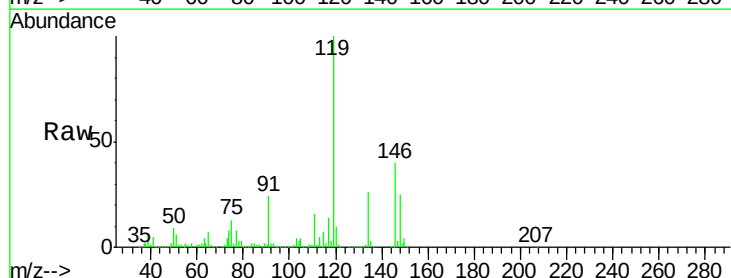
Tgt Ion:119 Resp: 1606943

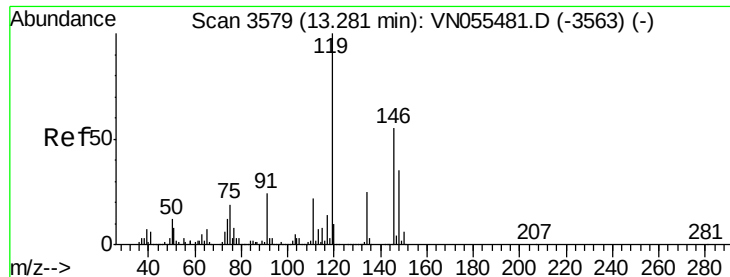
Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.4

91 23.9 12.0 36.0





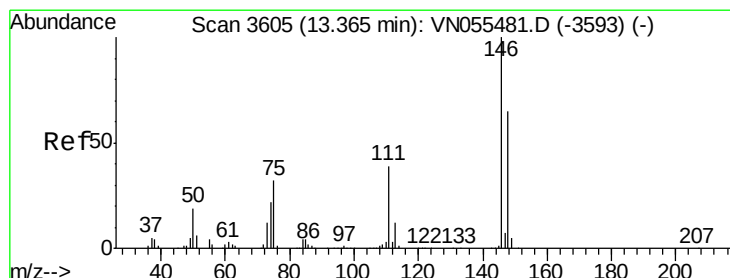
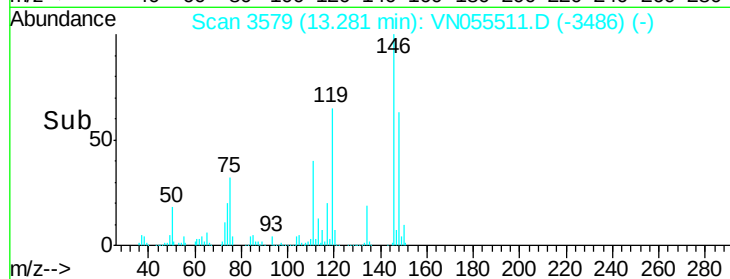
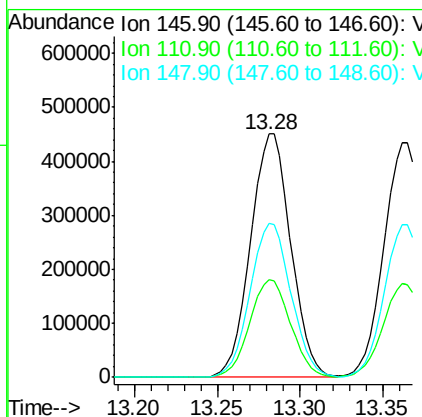
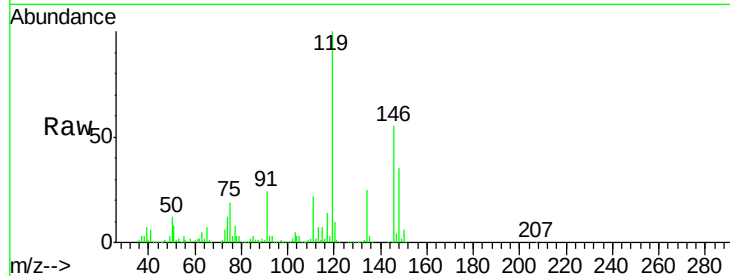
#87
 1,3-Dichlorobenzene
 Concen: 48.923 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.4	61.3
148	64.1	32.1	96.5

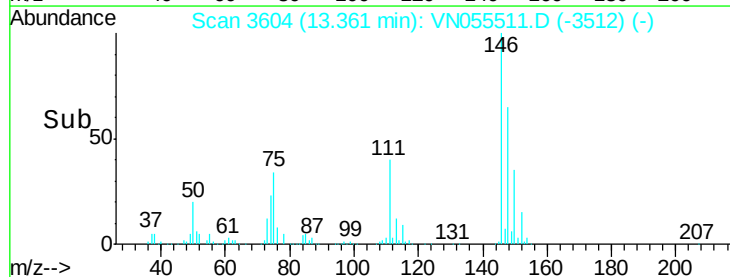
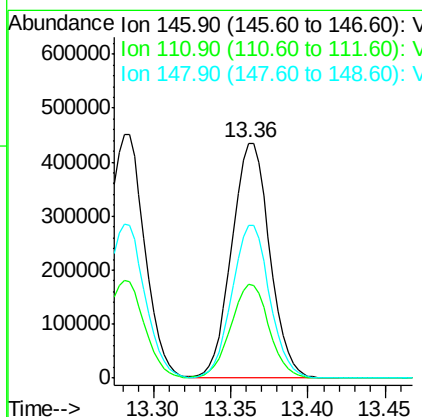
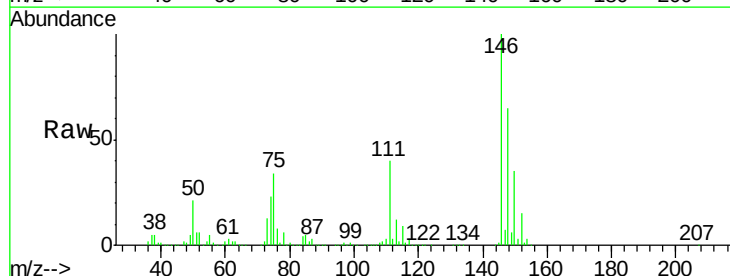
Manual Integrations
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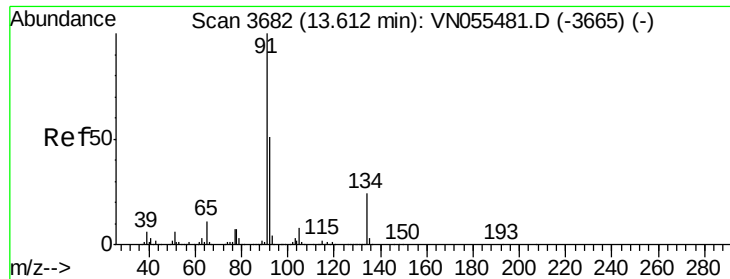
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#88
 1,4-Dichlorobenzene
 Concen: 48.250 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.8
148	64.4	32.5	97.4





#89

n-Butylbenzene

Concen: 48.627 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1280316

Ion Ratio Lower Upper

91 100

92 52.3 25.9 77.7

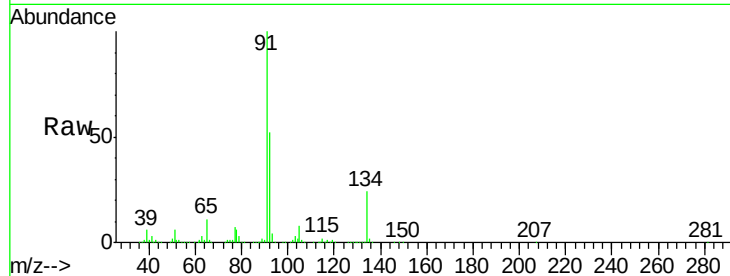
134 23.8 11.8 35.4

Manual Integrations

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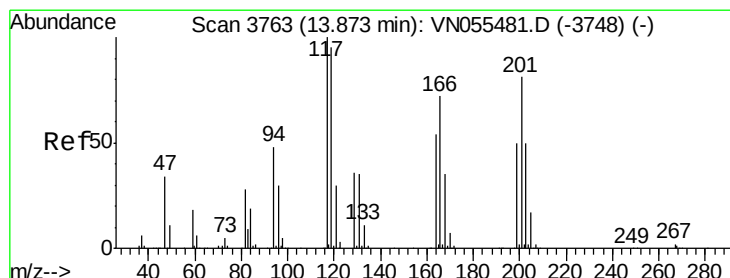
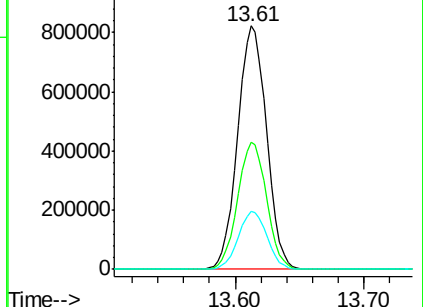
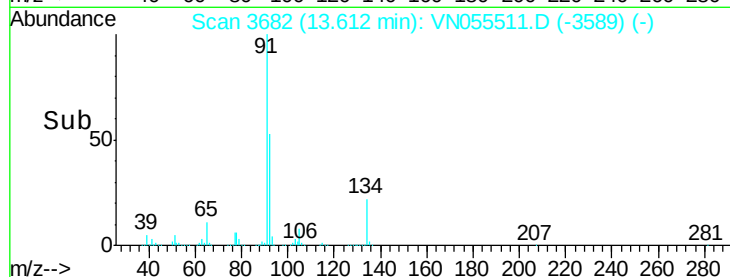
5/10/2019 12:44:52 PM



Abundance Ion 91.00 (90.70 to 91.70): VN055511.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN055511.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN055511.D (-3670) (-)



#90

Hexachloroethane

Concen: 45.753 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055511.D

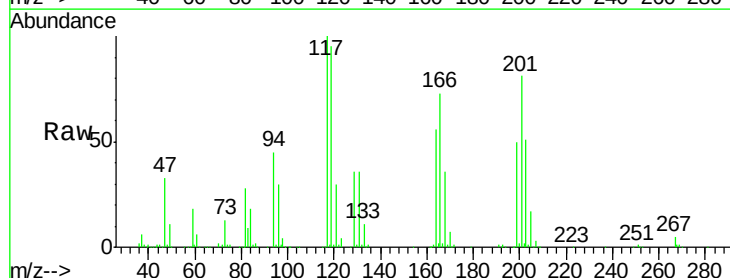
Acq: 9 May 2019 21:29

Tgt Ion: 117 Resp: 253518

Ion Ratio Lower Upper

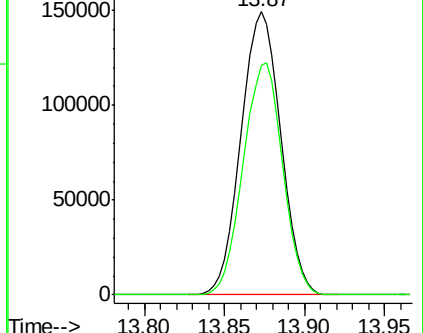
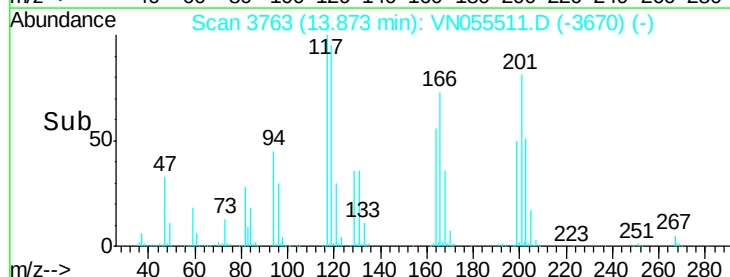
117 100

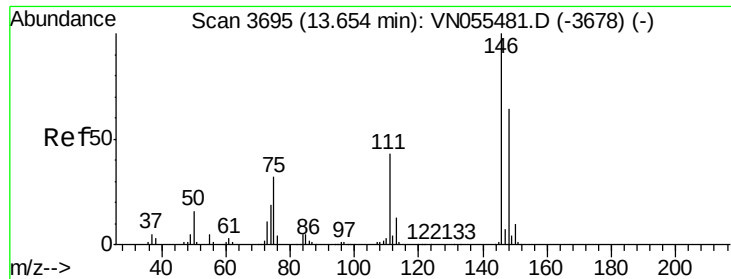
201 81.2 40.1 120.2



Abundance Ion 116.80 (116.50 to 117.50): VN055511.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN055511.D (-3670) (-)





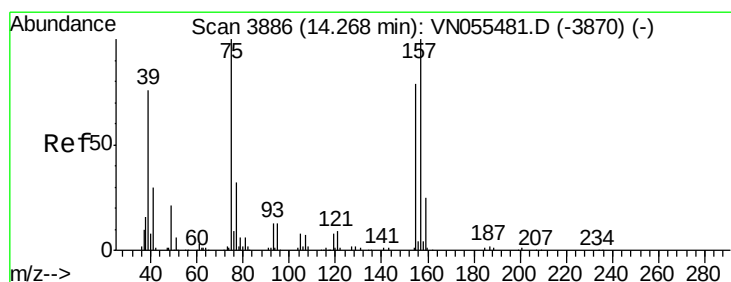
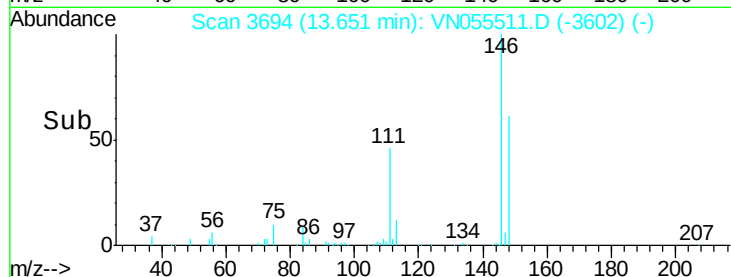
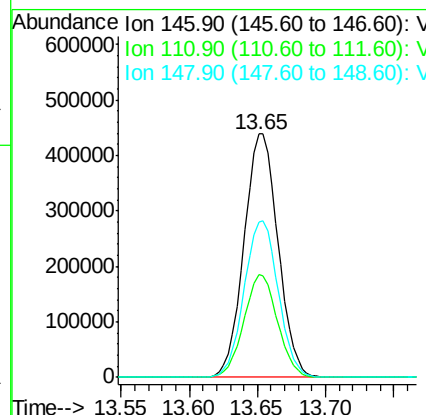
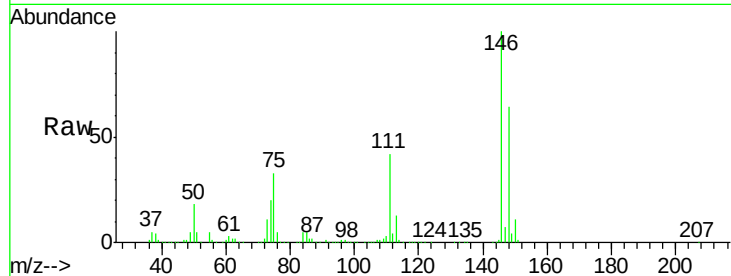
#91
 1,2-Dichlorobenzene
 Concen: 48.728 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.3	63.7
148	64.5	31.9	95.9

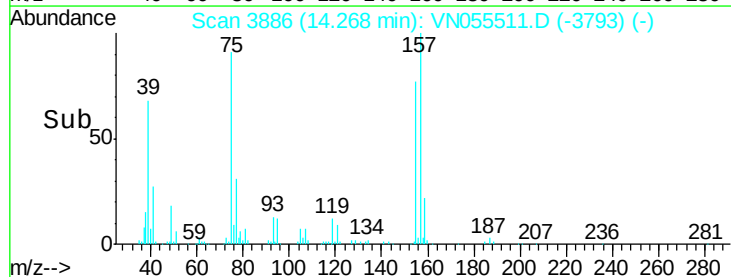
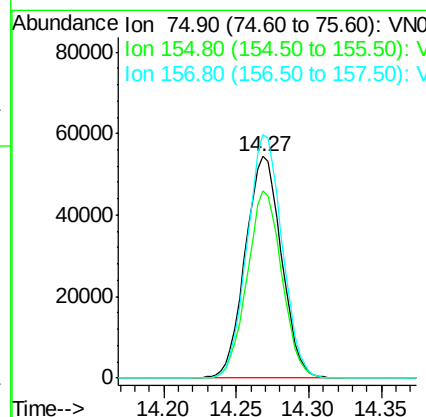
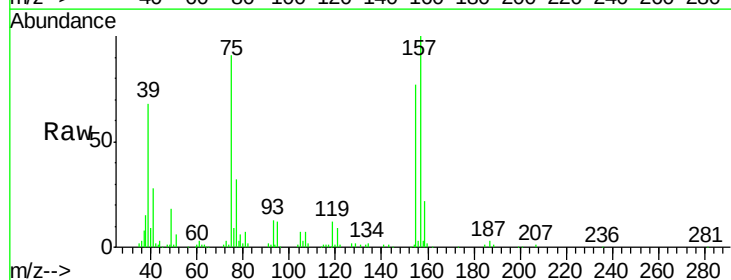
Manual Integrations
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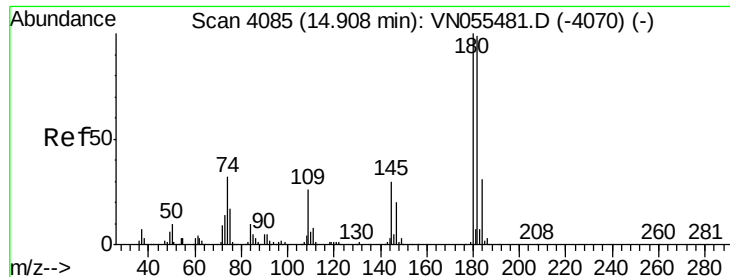
MMDadoda
 5/10/2019 12:44:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.801 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	39.3	117.8
157	106.2	50.6	151.8





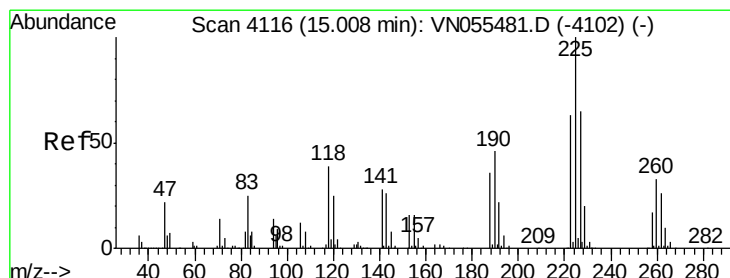
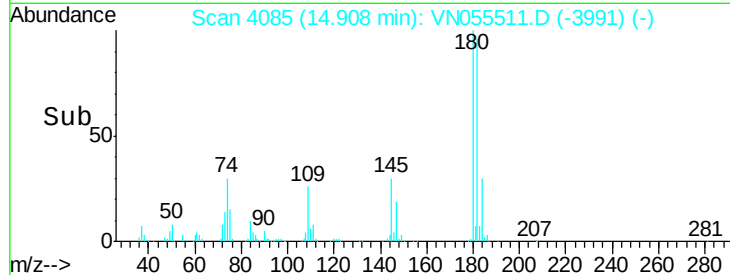
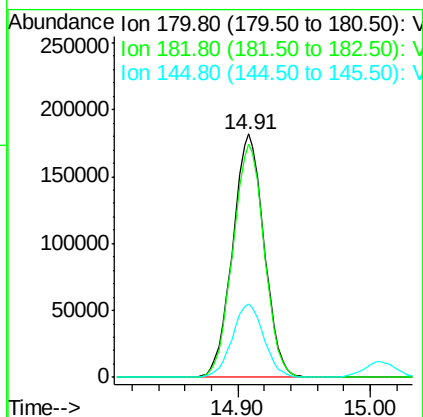
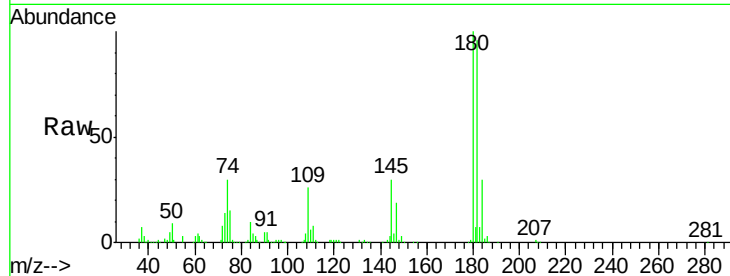
#93
 1,2,4-Trichlorobenzene
 Concen: 44.360 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	298531		
182	95.8	48.7	146.1	
145	30.3	15.3	45.9	

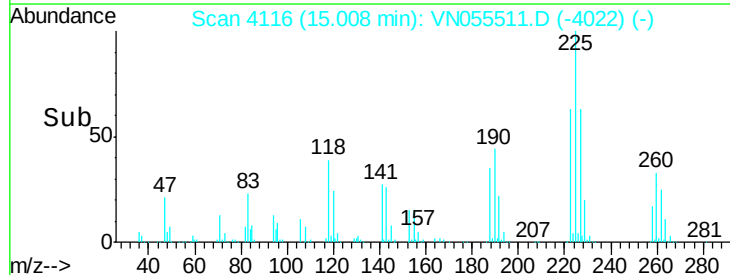
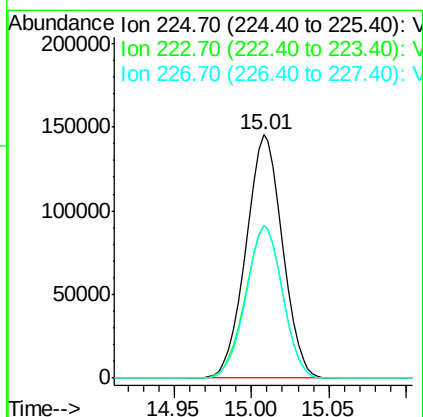
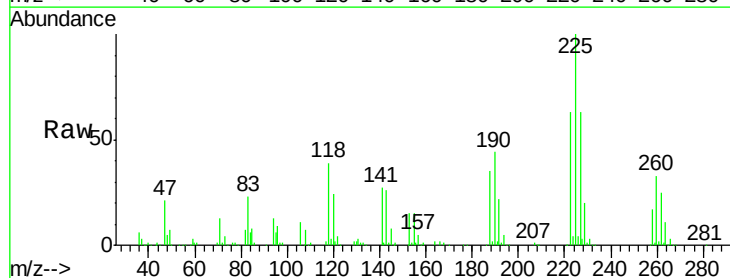
Manual Integrations
 APPROVED

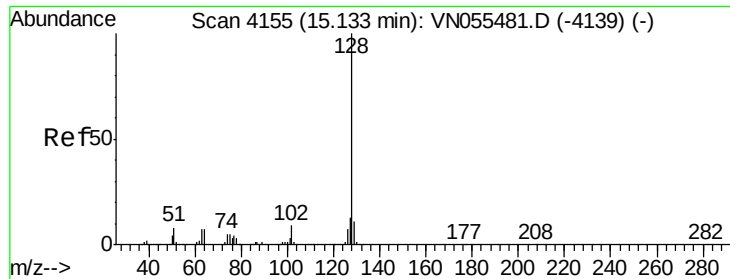
MMDadoda
 5/10/2019 12:44:52 PM



#94
 Hexachlorobutadiene
 Concen: 51.879 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	238974		
223	63.6	31.4	94.3	
227	62.6	32.0	96.0	





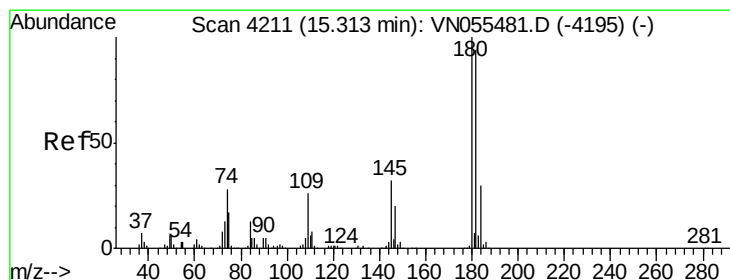
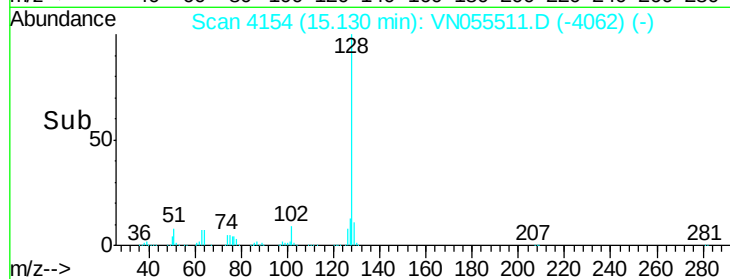
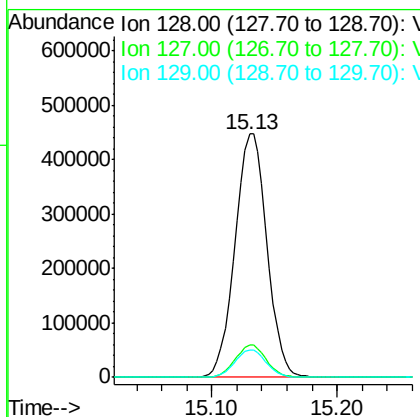
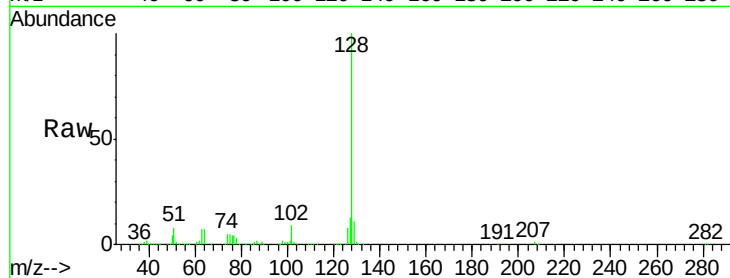
#95
Naphthalene
Concen: 41.841 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.0	15.0
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/10/2019 12:44:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 44.571 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.1	141.3
145	31.6	15.8	47.4

