

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055509.D
 Acq On : 9 May 2019 20:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 12:44:01 PM

Quant Time: May 10 05:10:23 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	752094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1295407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1139398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	478173	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	543941	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
35) Dibromofluoromethane	7.59	113	423152	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
50) Toluene-d8	10.09	98	1653262	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.40	95	563419	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	343937	44.917	ug/l	98
3) Chloromethane	2.06	50	550192	44.228	ug/l	99
4) Vinyl Chloride	2.19	62	535628	45.613	ug/l	99
5) Bromomethane	2.55	94	254948	39.625	ug/l	99
6) Chloroethane	2.70	64	329405	48.159	ug/l	97
7) Trichlorofluoromethane	3.02	101	609030	47.276	ug/l	99
8) Diethyl Ether	3.41	74	276460	47.784	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	384797	46.948	ug/l	99
10) Methyl Iodide	3.95	142	434163	39.192	ug/l	100
11) Tert butyl alcohol	4.81	59	329384	196.999	ug/l	100
12) 1,1-Dichloroethene	3.73	96	395496	48.114	ug/l	98
13) Acrolein	3.61	56	242901	217.979	ug/l	97
14) Allyl chloride	4.32	41	779934	46.319	ug/l	99
15) Acrylonitrile	4.99	53	1187689	229.403	ug/l	99
16) Acetone	3.82	43	985044	187.865	ug/l	97
17) Carbon Disulfide	4.05	76	1079395	48.113	ug/l	99
18) Methyl Acetate	4.33	43	494010	44.782	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	1320052	48.330	ug/l	96
20) Methylene Chloride	4.55	84	490564	45.754	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	429439	48.186	ug/l	97
22) Diisopropyl ether	5.96	45	1668640	48.766	ug/l	99
23) Vinyl Acetate	5.90	43	6575219	248.476	ug/l	100
24) 1,1-Dichloroethane	5.85	63	876220	47.437	ug/l	99
25) 2-Butanone	6.84	43	1589816	219.495	ug/l	100
26) 2,2-Dichloropropane	6.82	77	536840	46.623	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	501310	48.672	ug/l	100
28) Bromochloromethane	7.20	49	471867	49.192	ug/l	96
29) Tetrahydrofuran	7.22	42	1069742	223.409	ug/l	100
30) Chloroform	7.37	83	818286	47.921	ug/l	99
31) Cyclohexane	7.65	56	827696	45.290	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	638236	49.082	ug/l	99
36) 1,1-Dichloropropene	7.79	75	629745	49.345	ug/l	99
37) Ethyl Acetate	6.93	43	651038	46.766	ug/l	99
38) Carbon Tetrachloride	7.77	117	512359	47.678	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	741006	47.622	ug/l	99
40) Benzene	8.04	78	1939848	48.976	ug/l	99
41) Methacrylonitrile	7.17	41	333368	51.594	ug/l	99
42) 1,2-Dichloroethane	8.13	62	661011	47.502	ug/l	100
43) Isopropyl Acetate	8.17	43	1032303	48.809	ug/l	98
44) Trichloroethene	8.84	130	460650	48.879	ug/l	96
45) 1,2-Dichloropropane	9.12	63	546628	48.234	ug/l	100
46) Dibromomethane	9.21	93	314543	47.884	ug/l	97
47) Bromodichloromethane	9.40	83	618370	49.207	ug/l	99
48) Methyl methacrylate	9.20	41	496415	48.715	ug/l	98
49) 1,4-Dioxane	9.20	88	162522	818.305	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	3211890	230.908	ug/l	99
52) Toluene	10.16	92	1148307	50.712	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	628425	52.067	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	749438	51.964	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	449221	48.964	ug/l	98
56) Ethyl methacrylate	10.43	69	689463	50.523	ug/l	98
57) 1,3-Dichloropropane	10.71	76	802611	49.277	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	971663	213.441	ug/l	99
59) 2-Hexanone	10.75	43	2155965	221.012	ug/l	99
60) Dibromochloromethane	10.90	129	436712	52.355	ug/l	99
61) 1,2-Dibromoethane	11.00	107	440567	49.980	ug/l	97
64) Tetrachloroethene	10.63	164	443698	47.524	ug/l	100
65) Chlorobenzene	11.43	112	1151370	49.117	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	410536	50.871	ug/l	99
67) Ethyl Benzene	11.51	91	2155748	48.965	ug/l	100
68) m/p-Xylenes	11.62	106	1568472	99.271	ug/l	100
69) o-Xylene	11.95	106	772590	49.750	ug/l	99
70) Styrene	11.96	104	1288581	51.792	ug/l	100
71) Bromoform	12.13	173	282847	51.939	ug/l	# 100
73) Isopropylbenzene	12.25	105	2046505	52.005	ug/l	100
74) N-amyl acetate	12.07	43	826270	45.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	642336	50.110	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	563375m	43.278	ug/l	
77) Bromobenzene	12.53	156	466047	44.225	ug/l	97
78) n-propylbenzene	12.59	91	2325684	45.347	ug/l	100
79) 2-Chlorotoluene	12.67	91	1402945	43.893	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1733056	45.318	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	154362	43.755	ug/l	98
82) 4-Chlorotoluene	12.77	91	1369074	45.331	ug/l	99
83) tert-Butylbenzene	12.99	119	1442768	44.015	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1686051	48.073	ug/l	99
85) sec-Butylbenzene	13.17	105	1946117	44.673	ug/l	100
86) p-Isopropyltoluene	13.29	119	1679735	47.378	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	794160	48.771	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	764795	47.591	ug/l	99
89) n-Butylbenzene	13.61	91	1339135	48.729	ug/l	100
90) Hexachloroethane	13.87	117	257339	44.496	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	780901	47.984	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	97264	44.234	ug/l	98

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QLast Update : Thu May 09 04:17:44 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	314833	44.787	ug/l	98
94) Hexachlorobutadiene	15.01	225	246132	51.161	ug/l	99
95) Naphthalene	15.13	128	819188	41.612	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	336414	44.141	ug/l	98

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

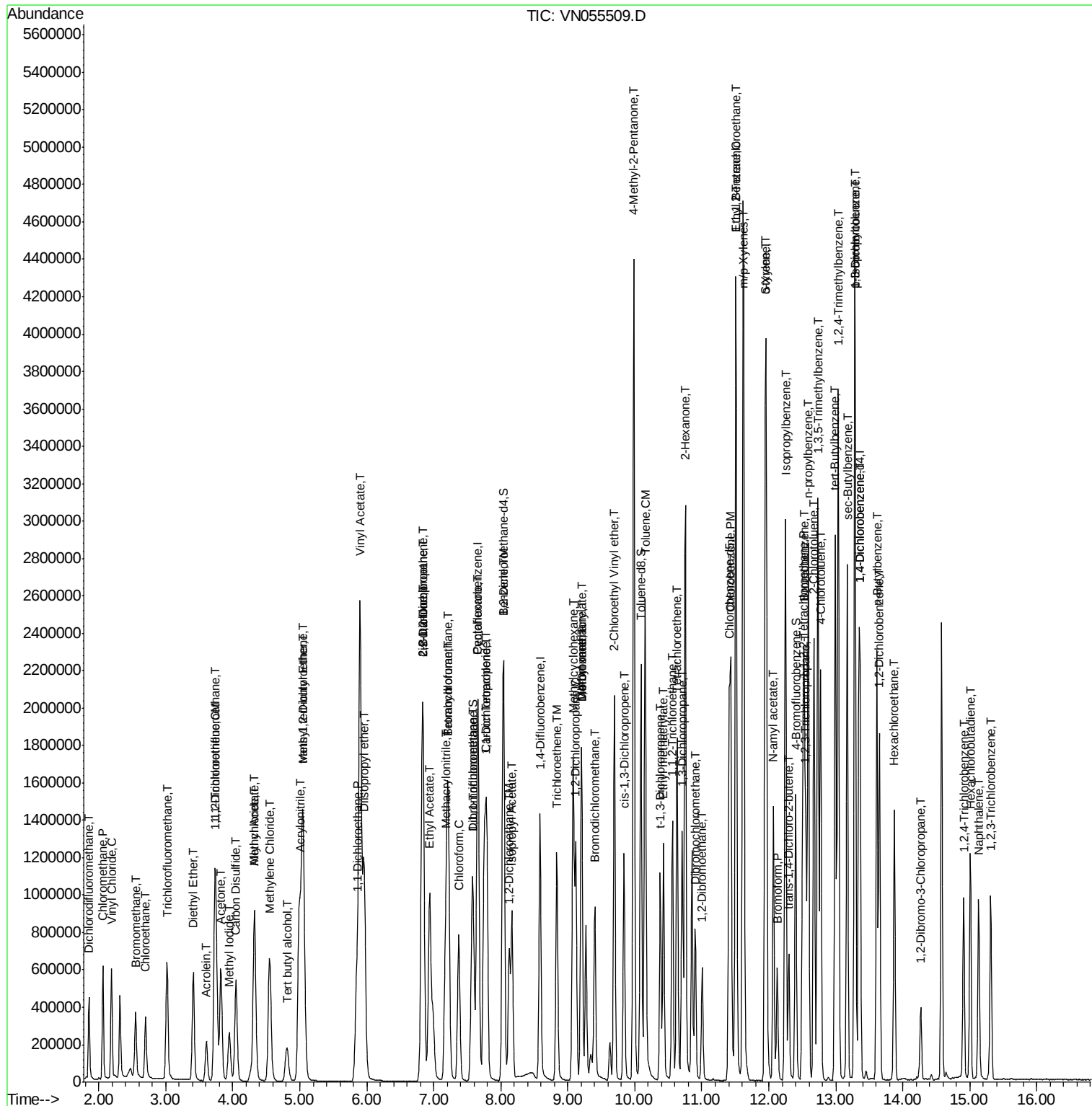
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050919\
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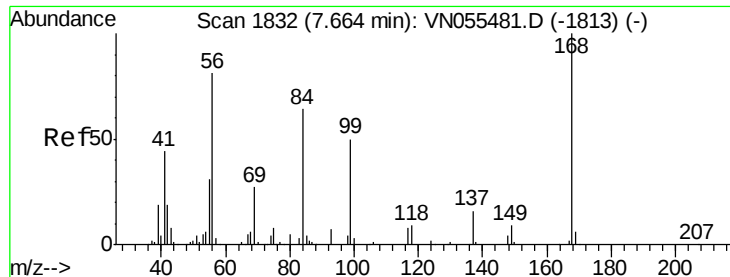
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 752094

Ion Ratio Lower Upper

168 100

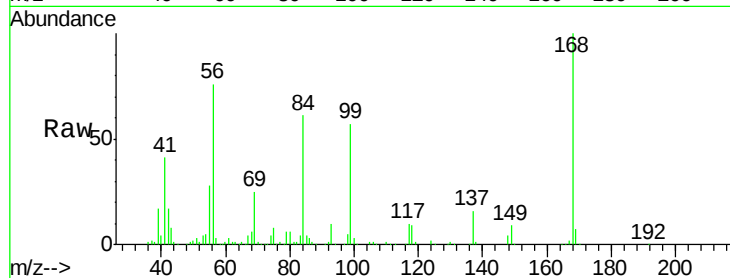
99 56.9 47.0 70.4

Manual Integrations

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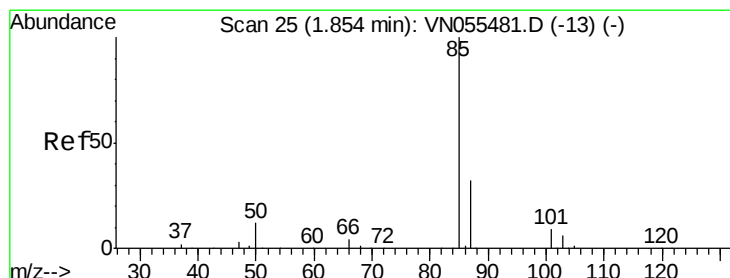
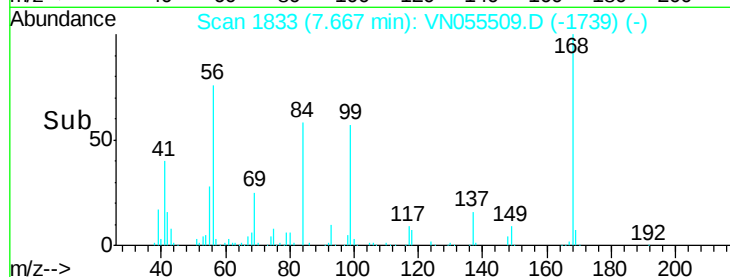
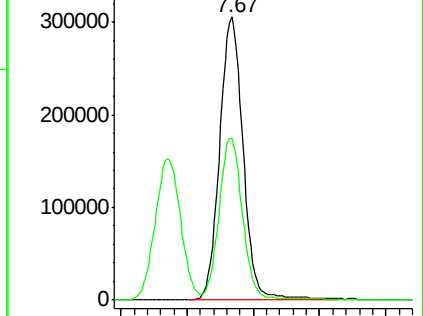
MMDadoda

5/10/2019 12:44:01 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.917 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055509.D

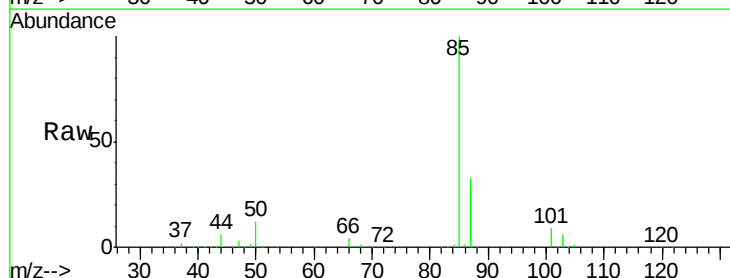
Acq: 9 May 2019 20:14

Tgt Ion: 85 Resp: 343937

Ion Ratio Lower Upper

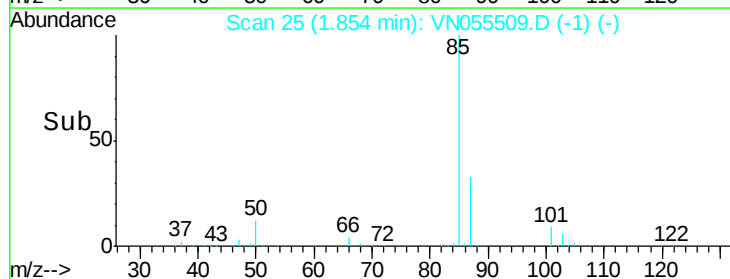
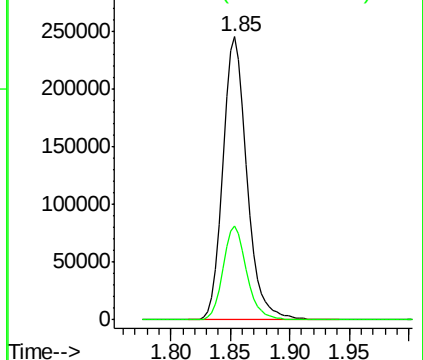
85 100

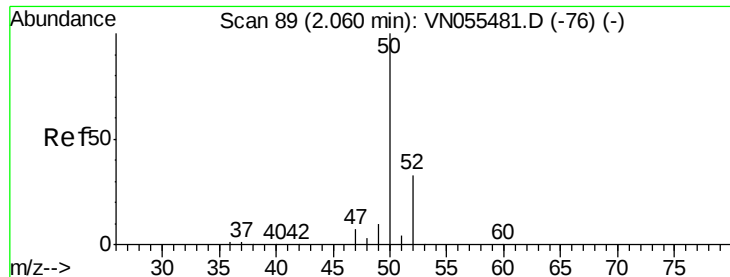
87 33.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.228 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 550192

Ion Ratio Lower Upper

50 100

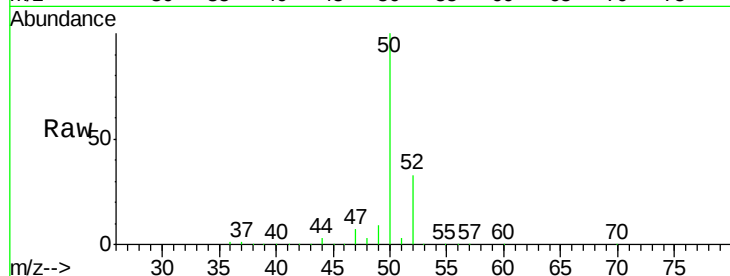
52 32.6 26.6 39.8

Manual Integrations

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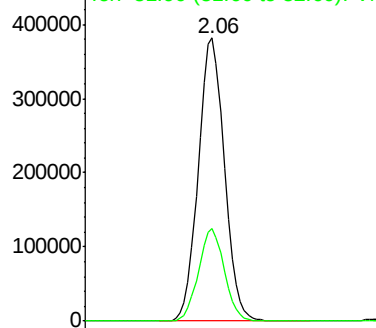
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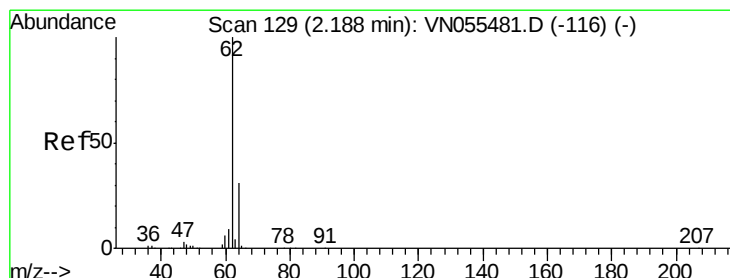
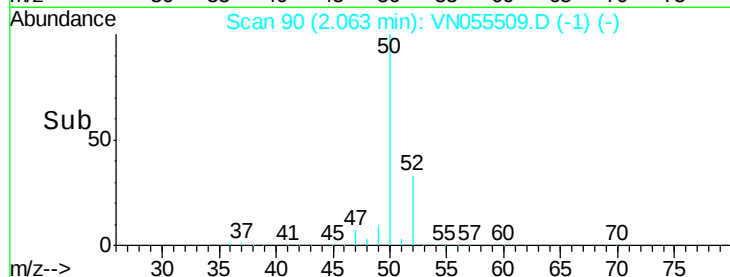


Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



Time-->



#4

Vinyl Chloride

Concen: 45.613 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055509.D

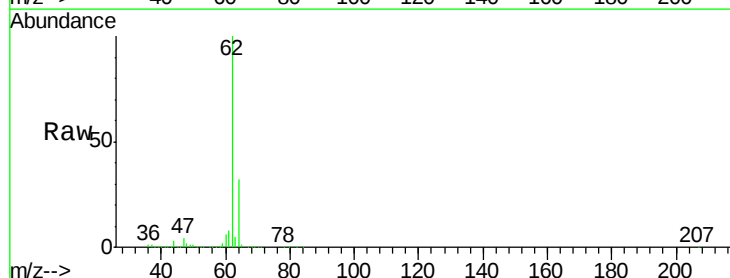
Acq: 9 May 2019 20:14

Tgt Ion: 62 Resp: 535628

Ion Ratio Lower Upper

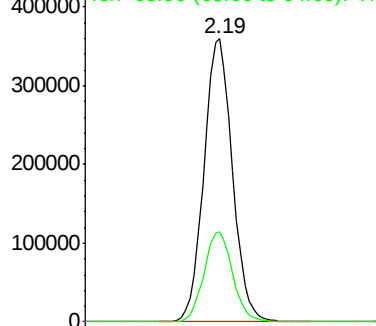
62 100

64 32.0 25.0 37.6

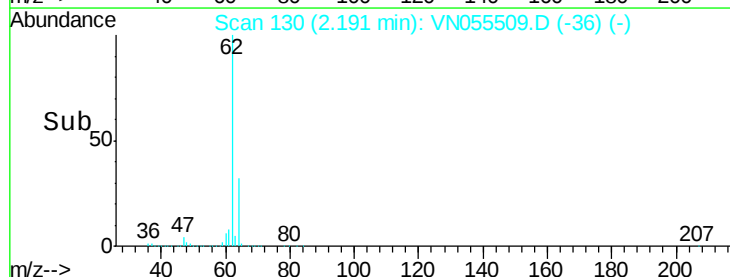


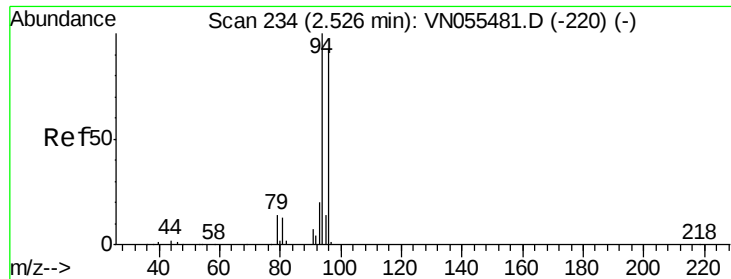
Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



Time-->





#5

Bromomethane

Concen: 39.625 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.03 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

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Tot Ion: 94 Resp: 254948

Ion Ratio Lower Upper

94 100

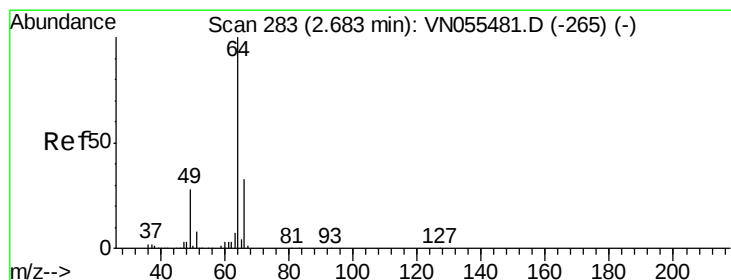
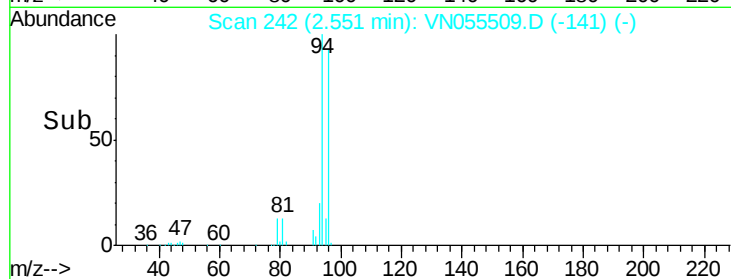
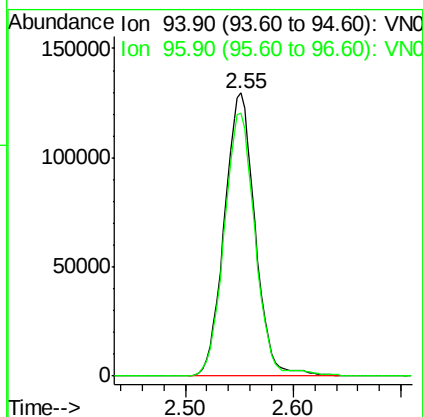
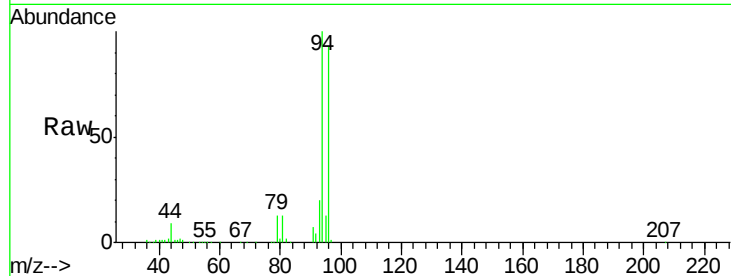
96 92.6 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 48.159 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.02 min

Lab File: VN055509.D

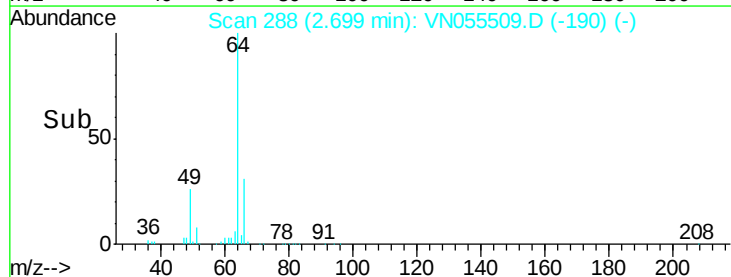
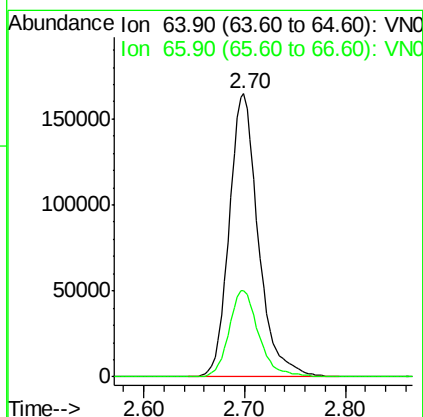
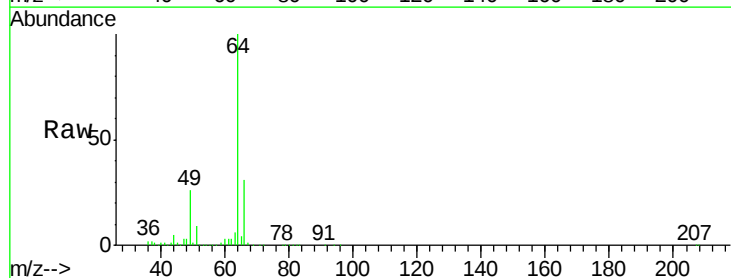
Acq: 9 May 2019 20:14

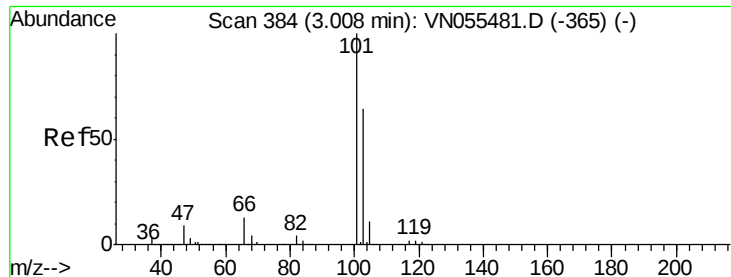
Tgt Ion: 64 Resp: 329405

Ion Ratio Lower Upper

64 100

66 30.7 26.2 39.2





#7

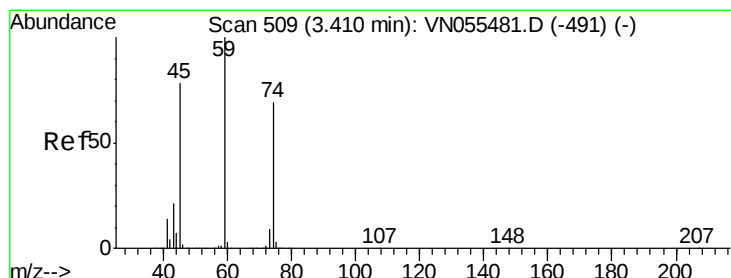
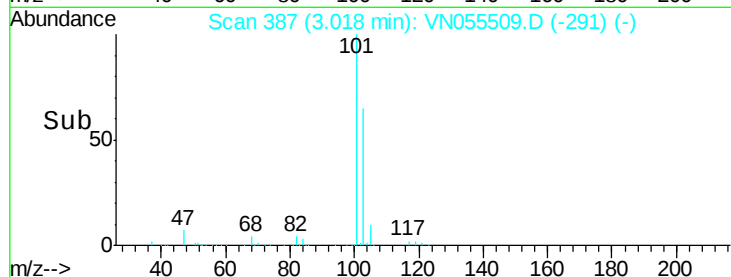
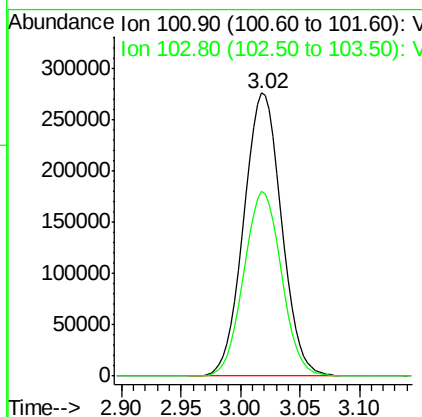
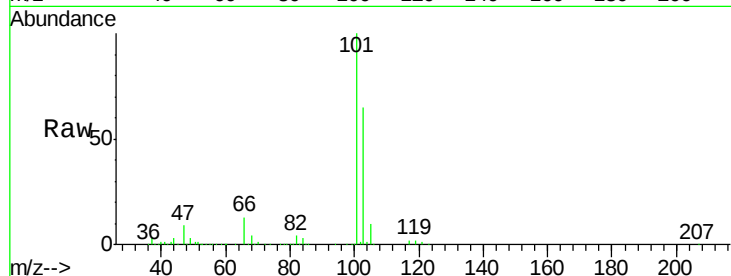
Trichlorofluoromethane
 Concen: 47.276 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.2	76.8

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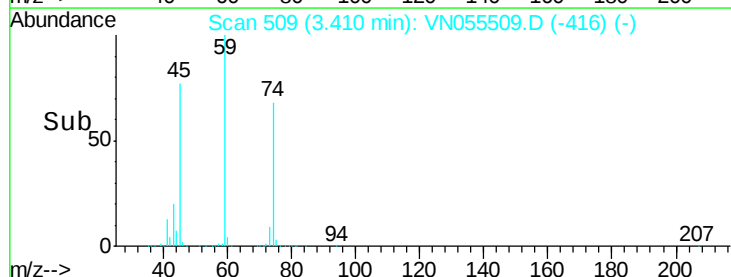
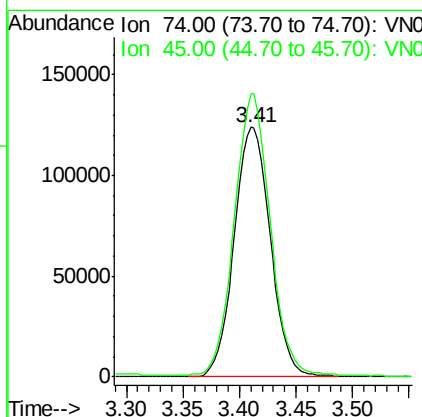
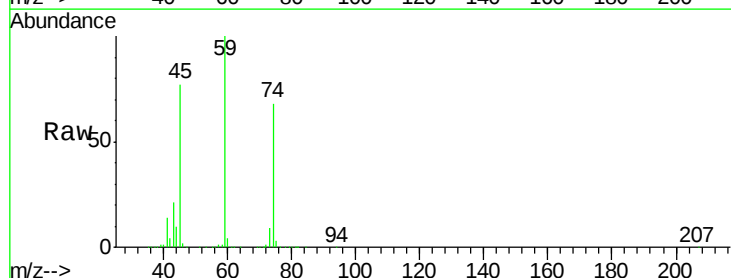
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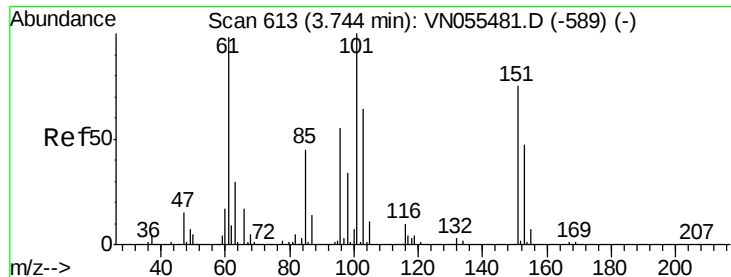


#8

Diethyl Ether
 Concen: 47.784 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.0	58.1	174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.948 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

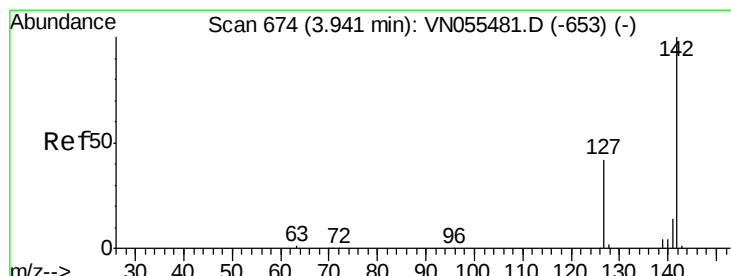
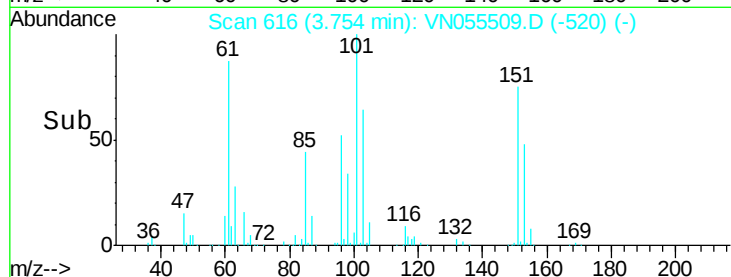
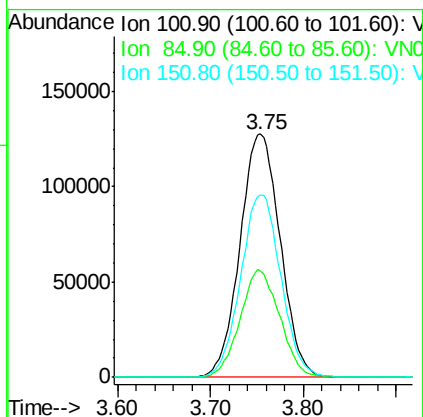
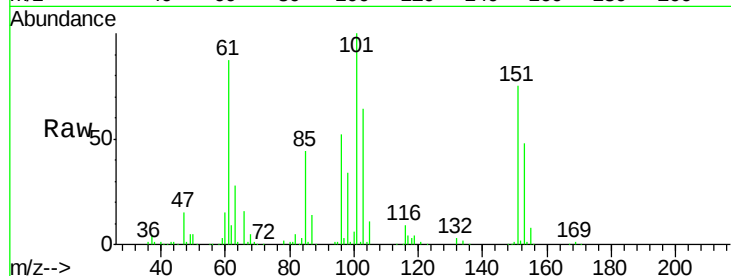
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	384797
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.5	53.3
151	75.0	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 39.192 ug/l

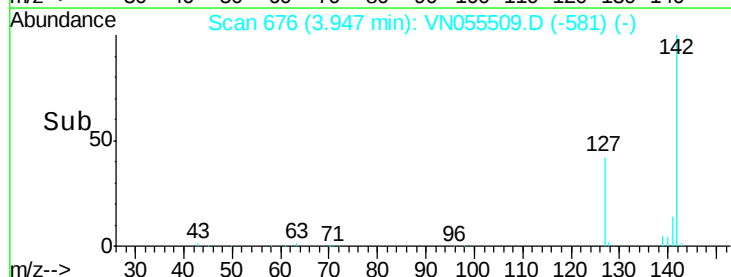
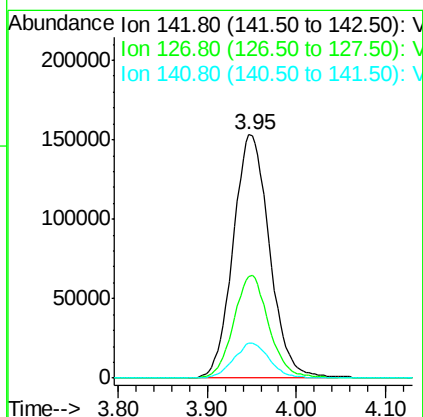
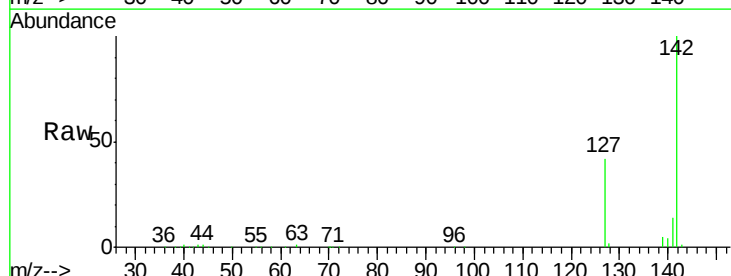
RT: 3.95 min Scan# 676

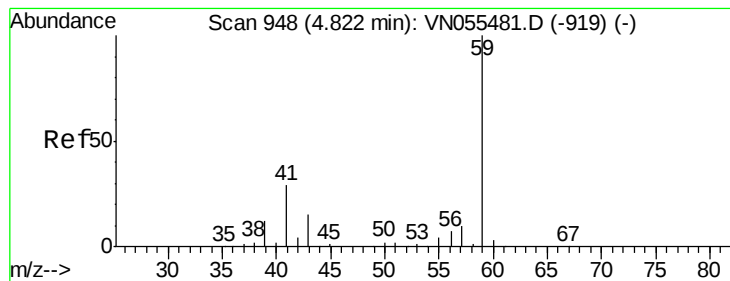
Delta R.T. 0.01 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Tgt Ion:	142	Resp:	434163
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.0	49.4
141	14.3	11.4	17.0





#11

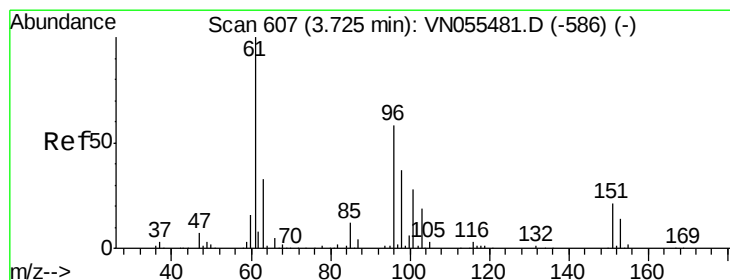
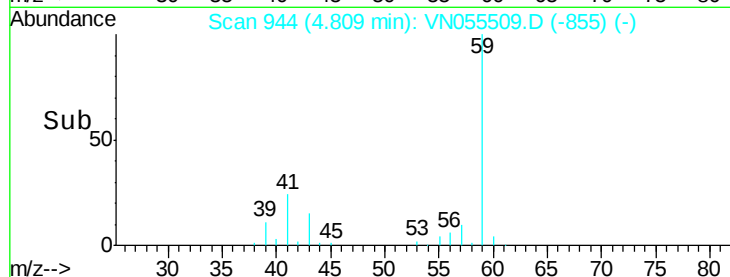
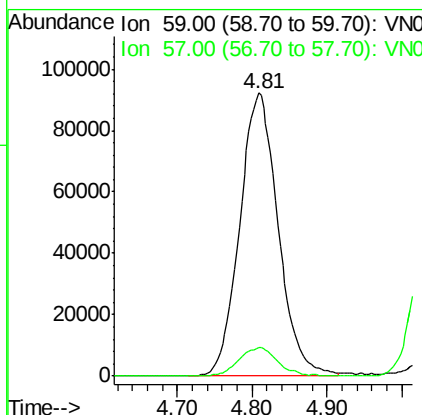
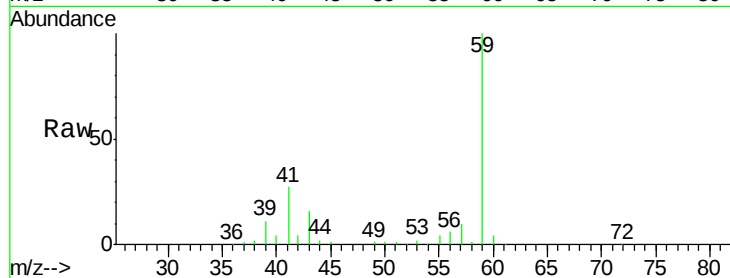
Tert butyl alcohol
 Concen: 196.999 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

Manual Integrations
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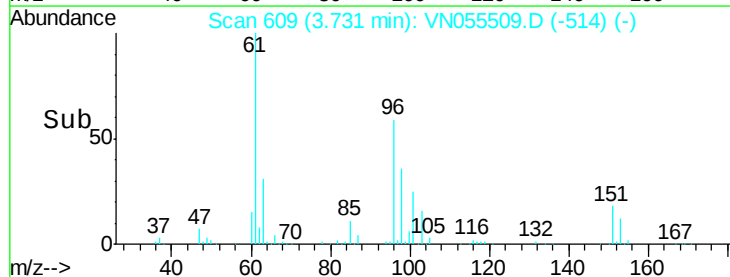
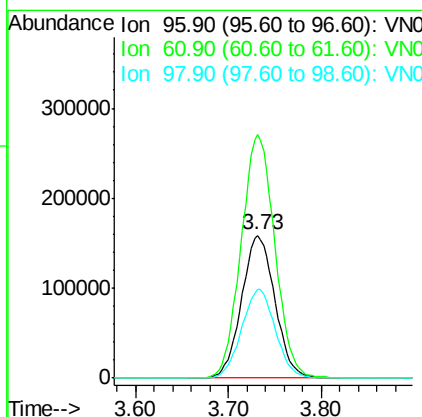
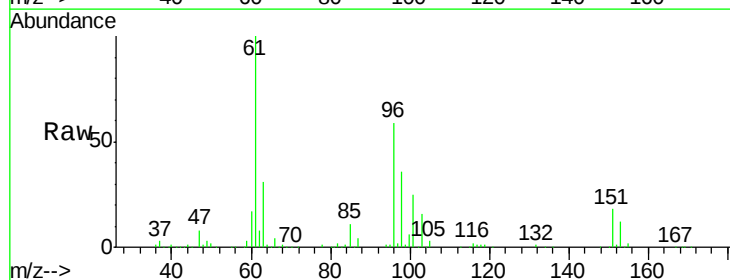
MMDadoda
 5/10/2019 12:44:01 PM

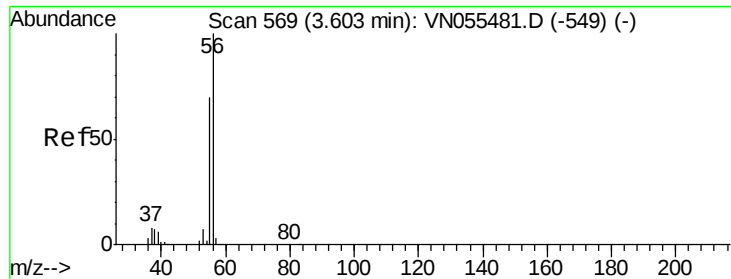


#12

1,1-Dichloroethene
 Concen: 48.114 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.01 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.6	138.7	208.1
98	62.1	50.6	76.0





#13

Acrolein

Concen: 217.979 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 242901

Ion Ratio Lower Upper

56 100

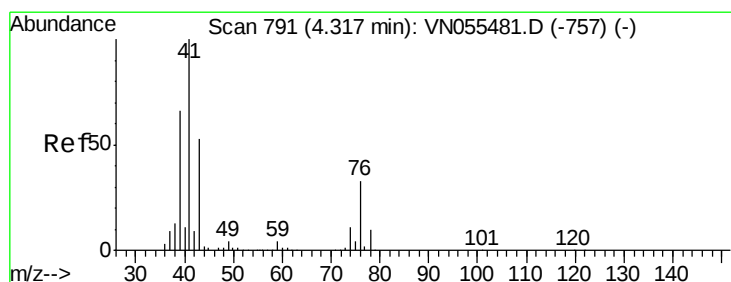
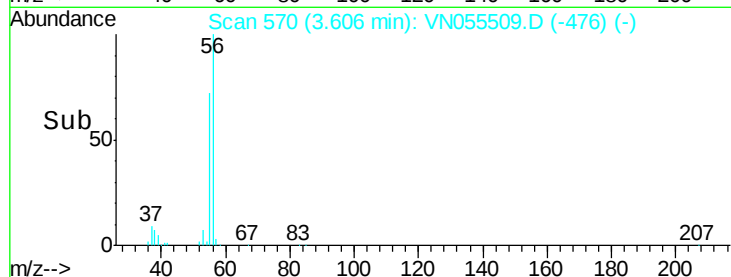
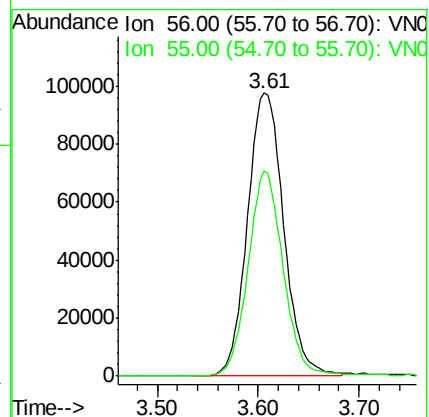
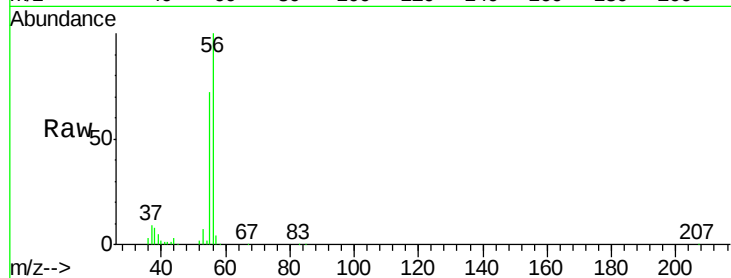
55 69.9 57.7 86.5

Manual Integrations

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5/10/2019 12:44:01 PM



#14

Allyl chloride

Concen: 46.319 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

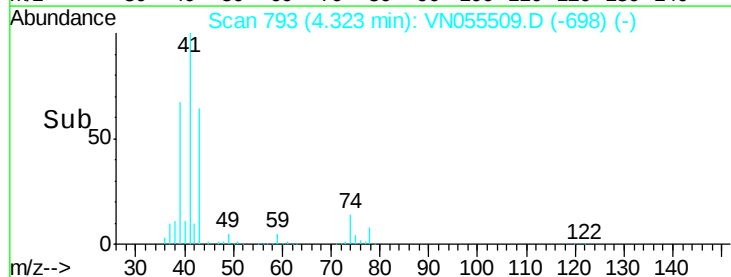
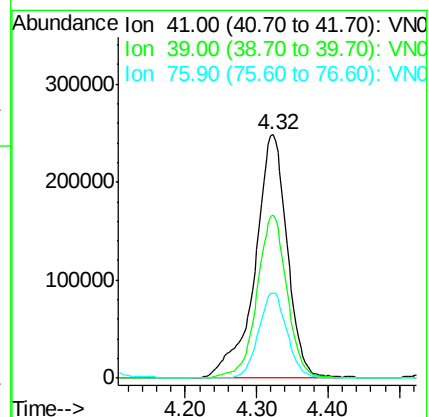
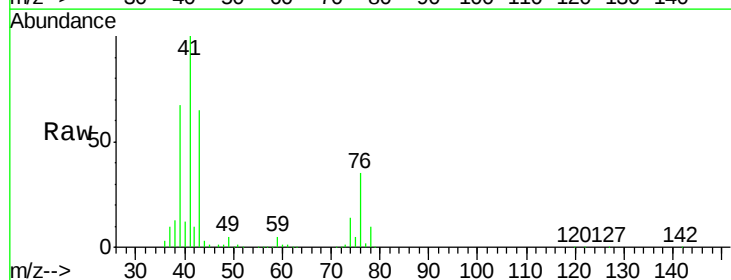
Tgt Ion: 41 Resp: 779934

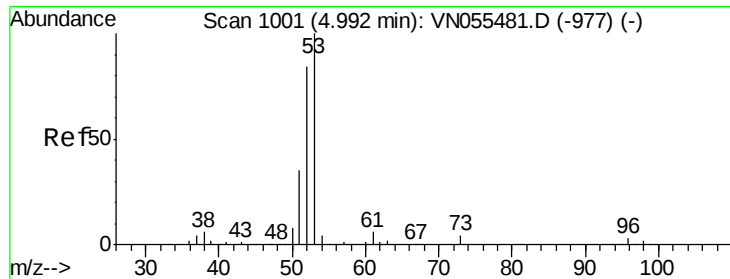
Ion Ratio Lower Upper

41 100

39 62.2 49.8 74.8

76 30.5 23.5 35.3





#15

Acrylonitrile

Concen: 229.403 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 1187689

Ion Ratio Lower Upper

53 100

52 82.7 66.1 99.1

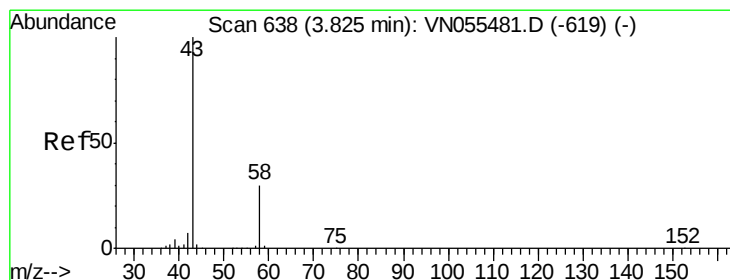
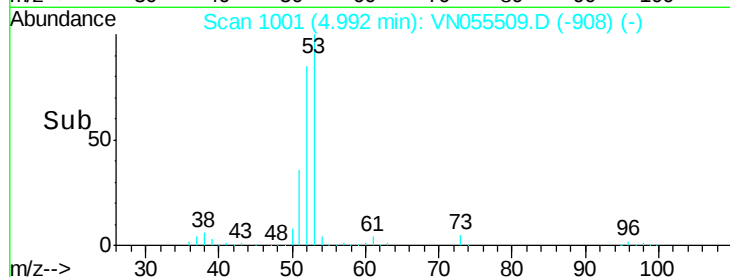
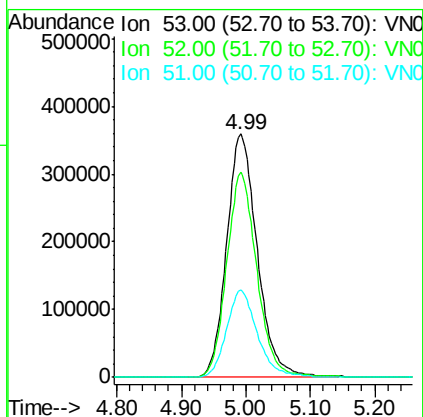
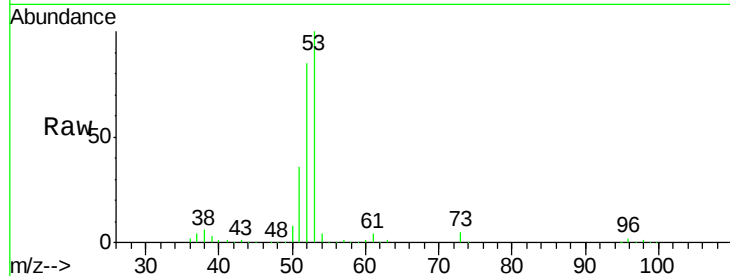
51 36.2 28.3 42.5

Manual Integrations

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MMDadoda

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#16

Acetone

Concen: 187.865 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055509.D

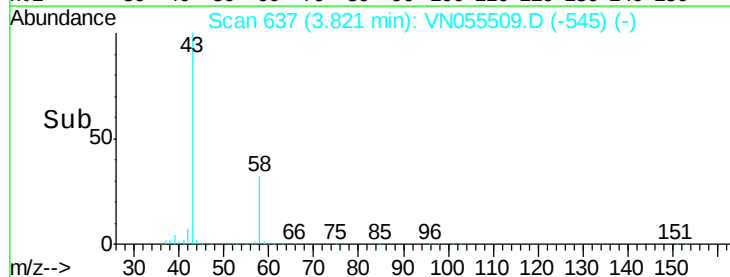
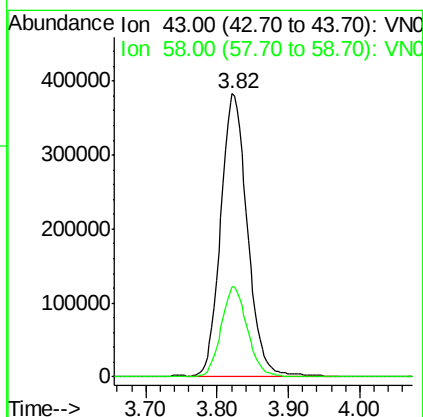
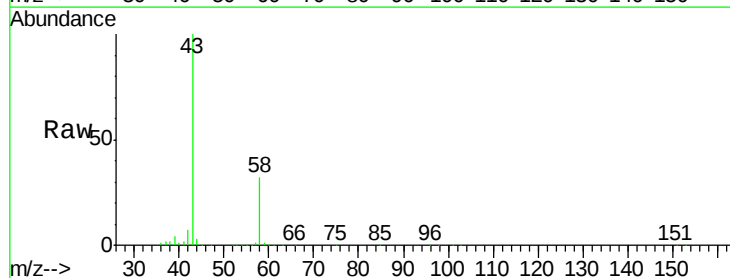
Acq: 9 May 2019 20:14

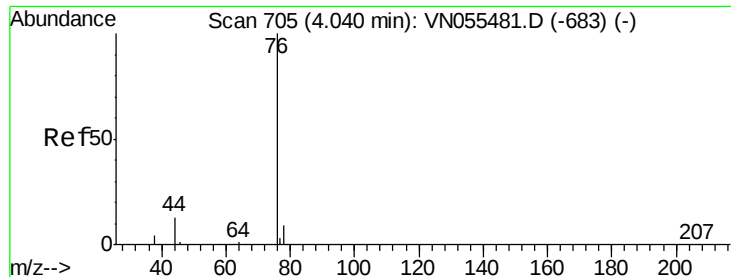
Tgt Ion: 43 Resp: 985044

Ion Ratio Lower Upper

43 100

58 31.9 24.2 36.2





#17

Carbon Disulfide

Concen: 48.113 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 1079395

Ion Ratio Lower Upper

76 100

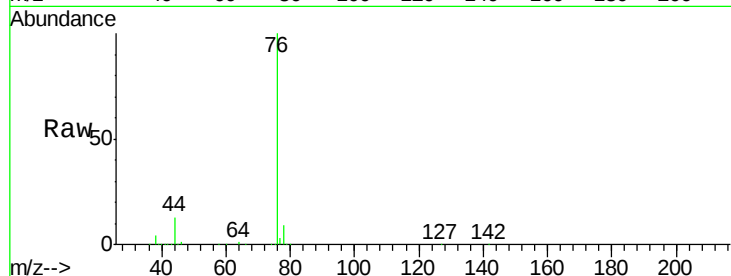
78 8.9 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.05

400000

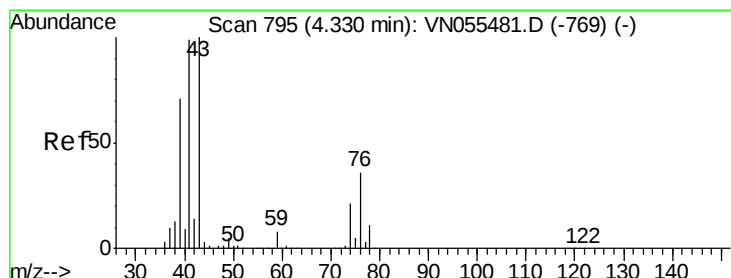
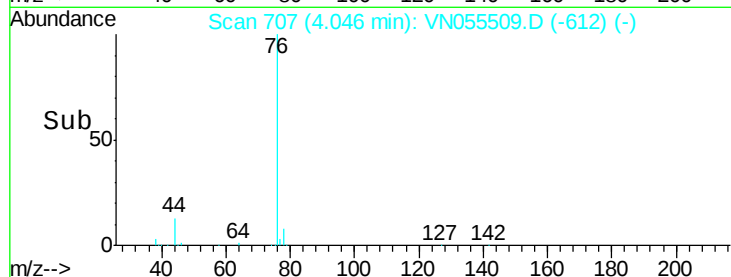
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 44.782 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055509.D

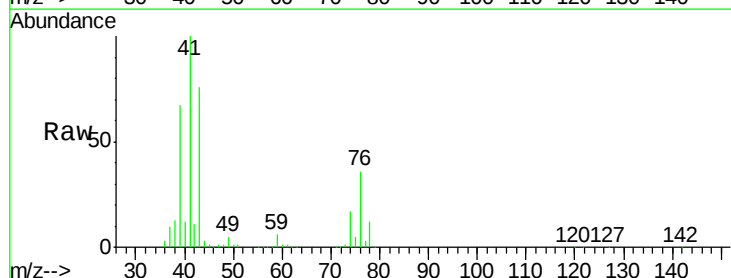
Acq: 9 May 2019 20:14

Tgt Ion: 43 Resp: 494010

Ion Ratio Lower Upper

43 100

74 21.6 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.33

200000

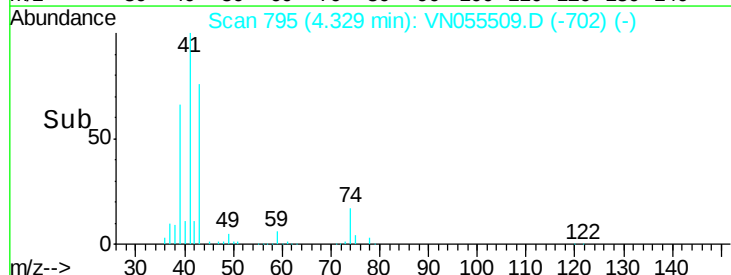
150000

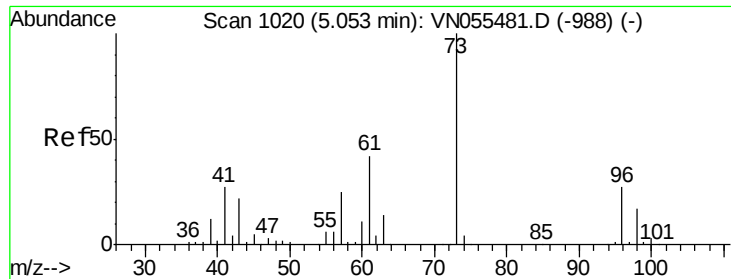
100000

50000

0

Time-->





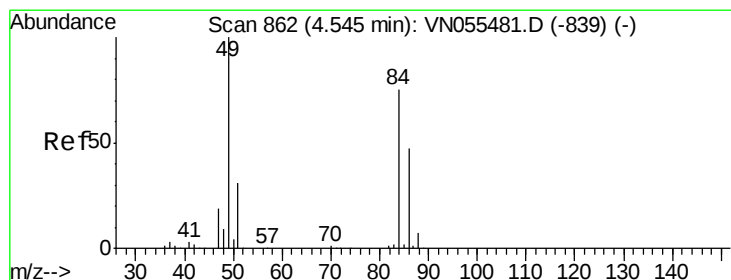
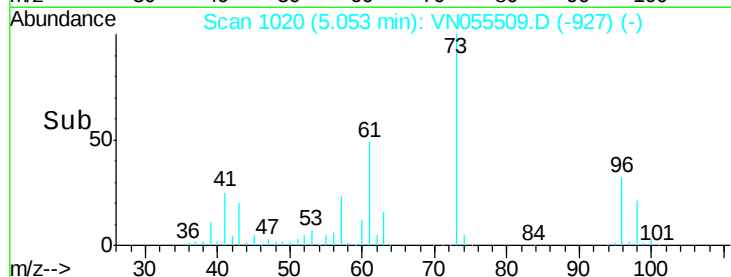
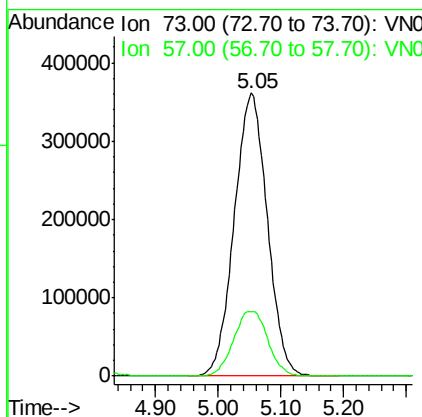
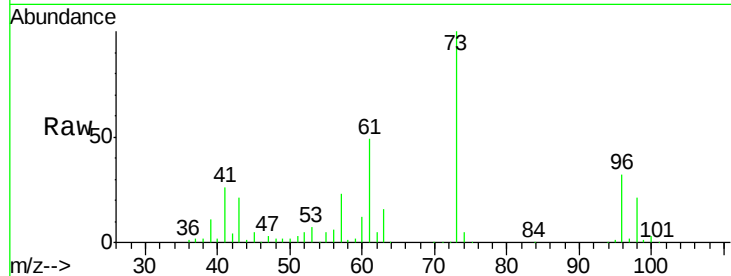
#19
Methvl tert-butvl Ether
Concen: 48.330 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1320052
Ion Ratio Lower Upper
73 100
57 22.9 20.0 30.0

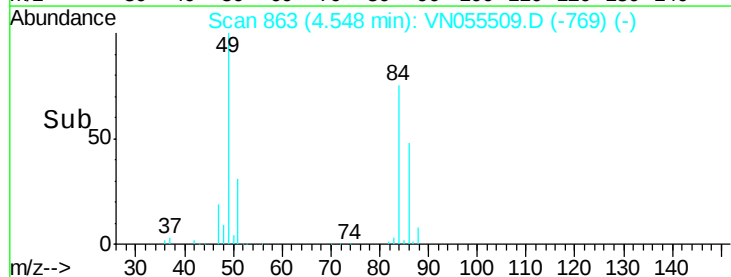
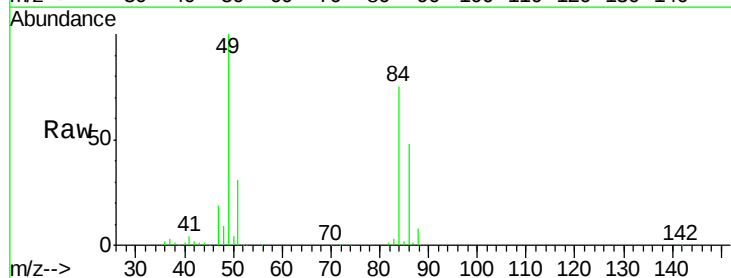
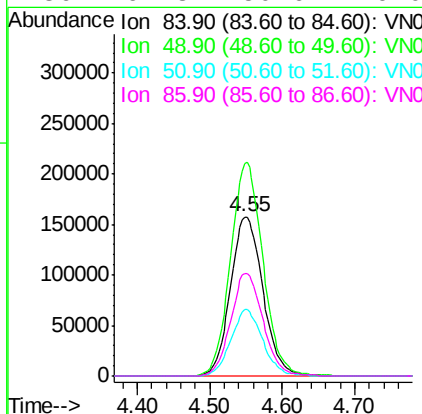
Manual Integrations
APPROVED

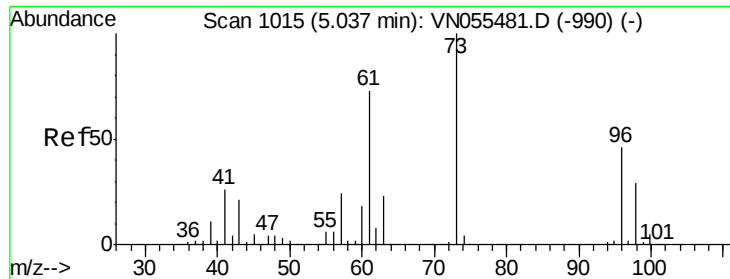
MMDadoda
5/10/2019 12:44:01 PM



#20
Methylene Chloride
Concen: 45.754 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion: 84 Resp: 490564
Ion Ratio Lower Upper
84 100
49 133.4 107.0 160.6
51 41.6 33.0 49.4
86 64.3 50.6 76.0





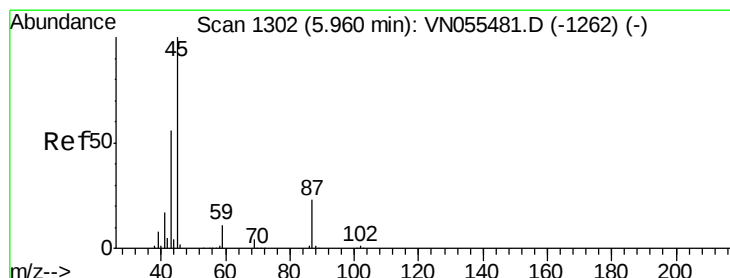
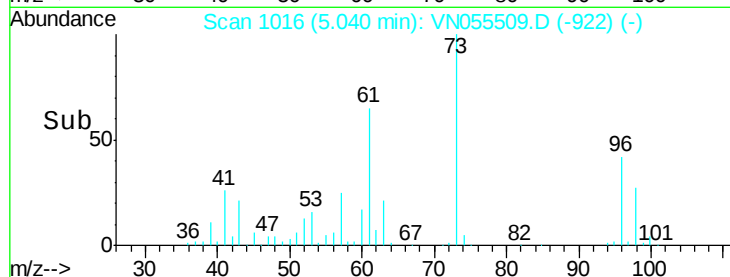
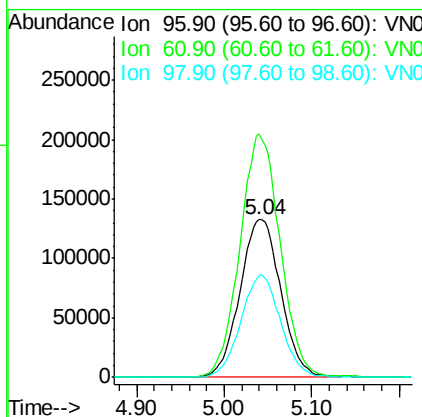
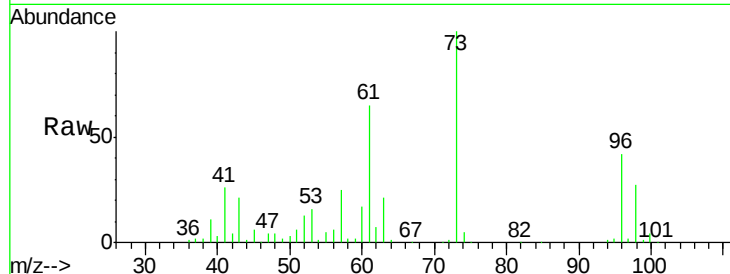
#21
trans-1,2-Dichloroethene
Concen: 48.186 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.6	127.4	191.0
98	64.5	51.6	77.4

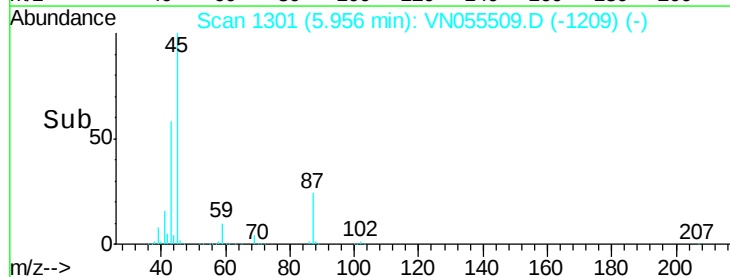
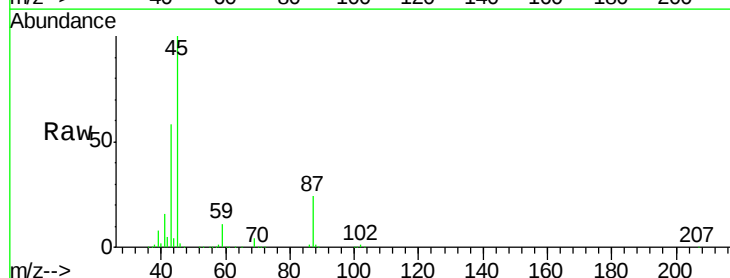
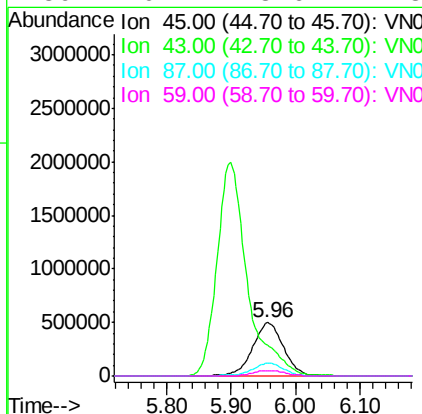
Manual Integrations
APPROVED

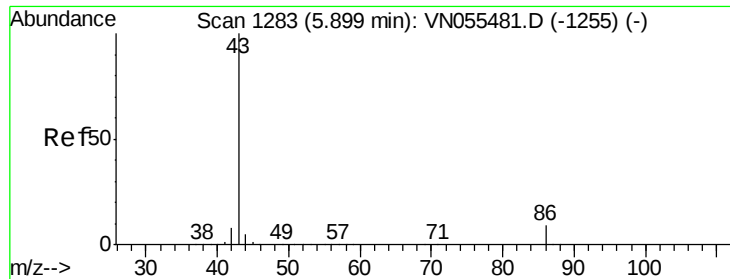
MMDadoda
5/10/2019 12:44:01 PM



#22
Diisopropyl ether
Concen: 48.766 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.9	44.6	66.8
87	23.6	18.6	28.0
59	10.4	8.6	12.8





#23

Vinyl Acetate

Concen: 248.476 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 6575219

Ion Ratio Lower Upper

43 100

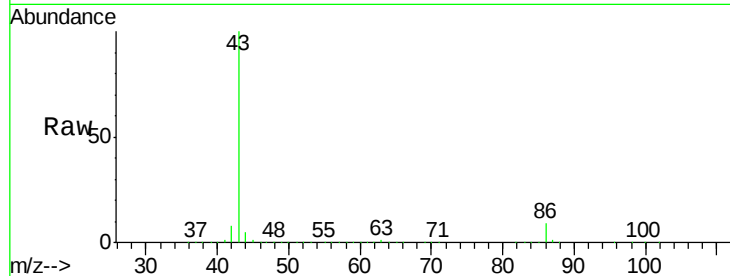
86 9.0 7.1 10.7

Manual Integrations

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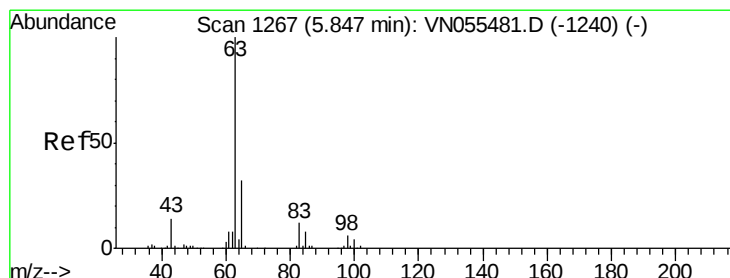
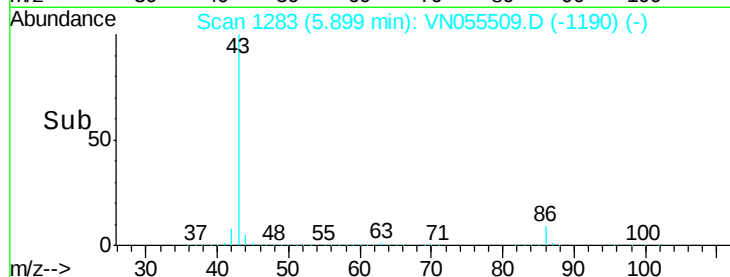
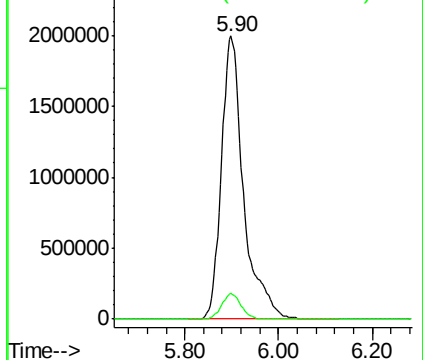
MMDadoda

5/10/2019 12:44:01 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: 47.437 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

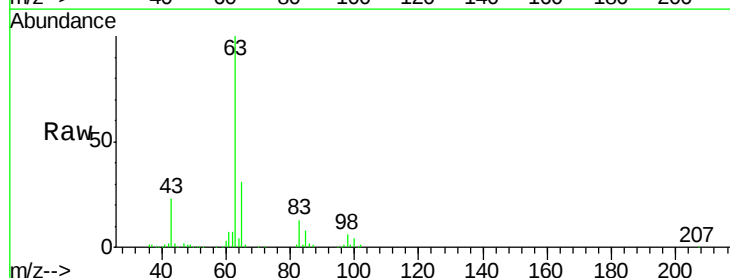
Tgt Ion: 63 Resp: 876220

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.0

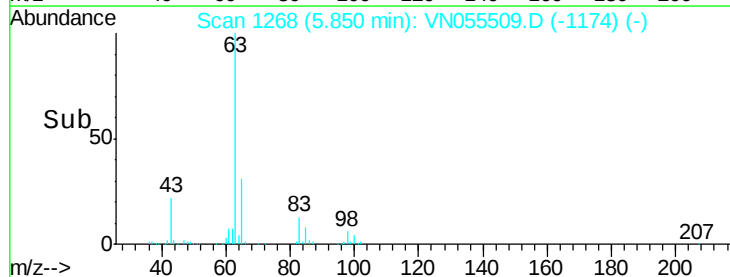
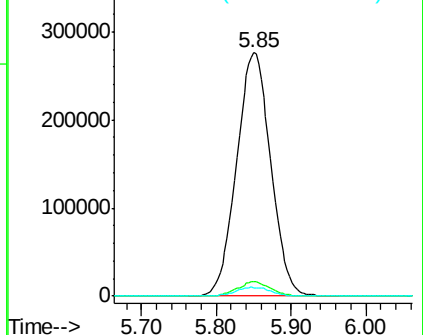
100 3.6 1.9 5.7

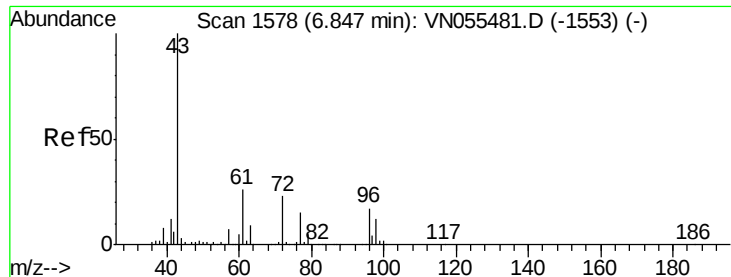


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 219.495 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1589816

Ion Ratio Lower Upper

43 100

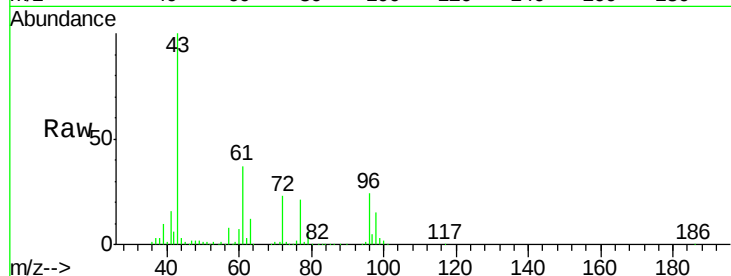
72 23.4 18.6 27.8

Manual Integrations

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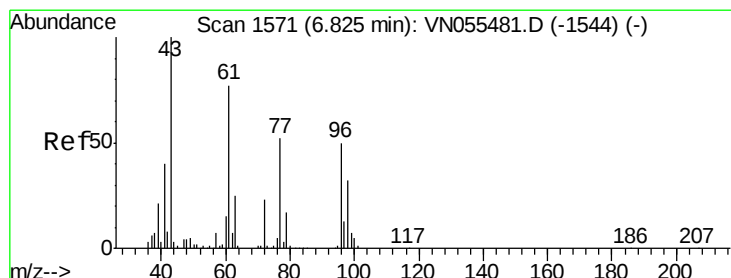
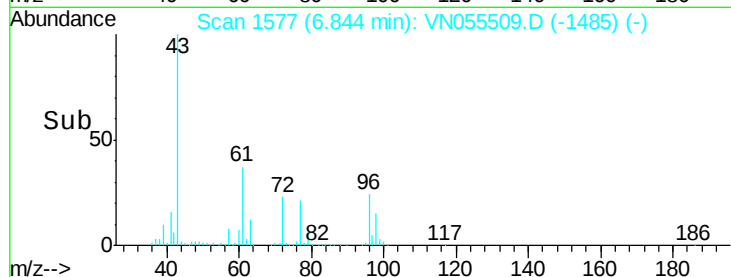
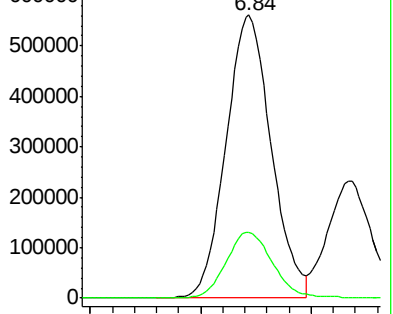
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 46.623 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055509.D

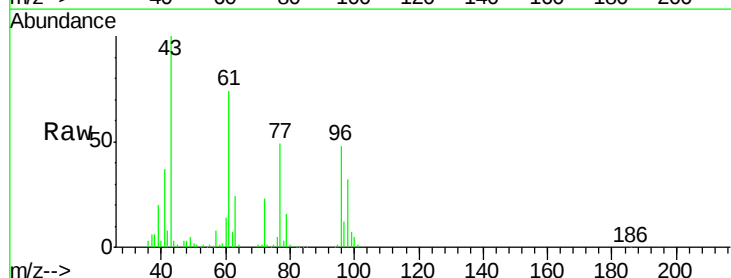
Acq: 9 May 2019 20:14

Tgt Ion: 77 Resp: 536840

Ion Ratio Lower Upper

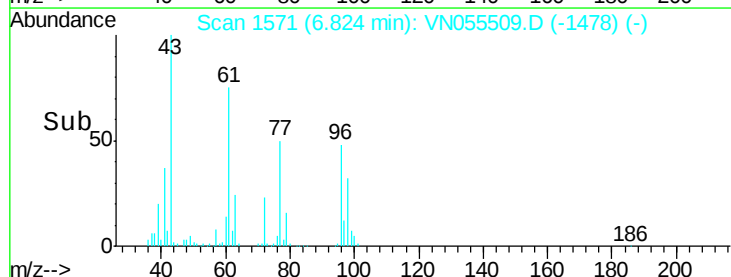
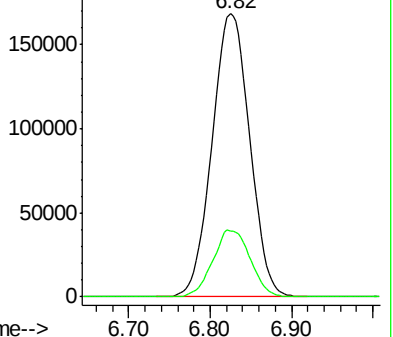
77 100

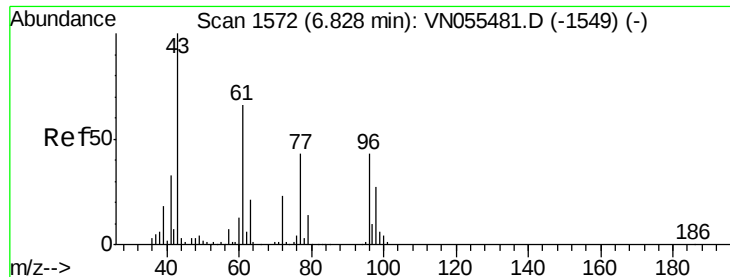
97 23.4 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 48.672 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

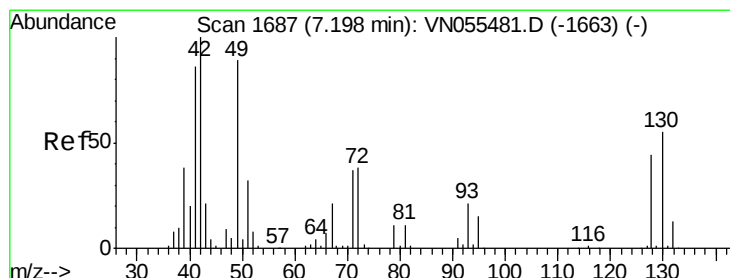
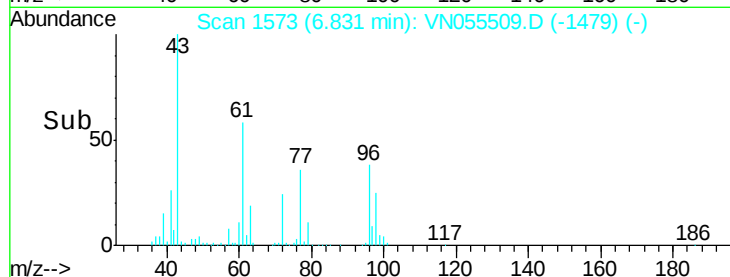
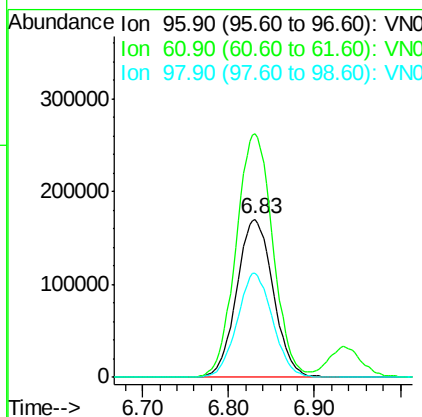
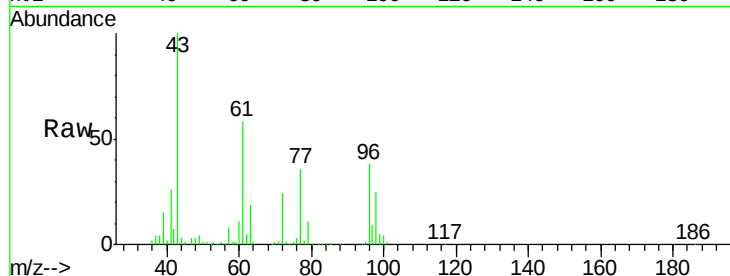
ClientSampleID :

VSTDCCC050EC

Tot Ion:	96	Resp:	501310
Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	310.8
98	64.2	0.0	129.4

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#28

Bromochloromethane

Concen: 49.192 ug/l

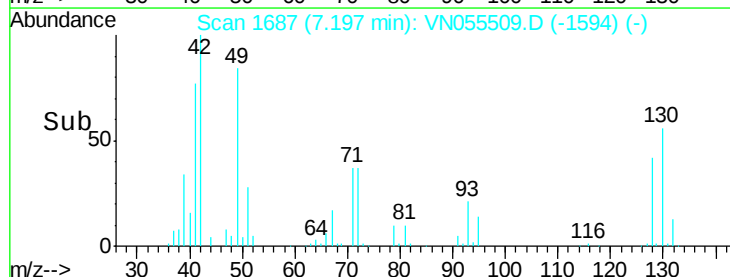
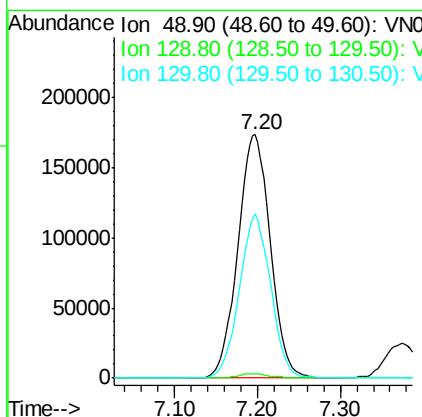
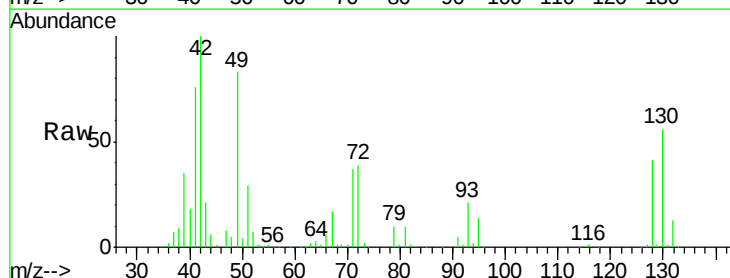
RT: 7.20 min Scan# 1687

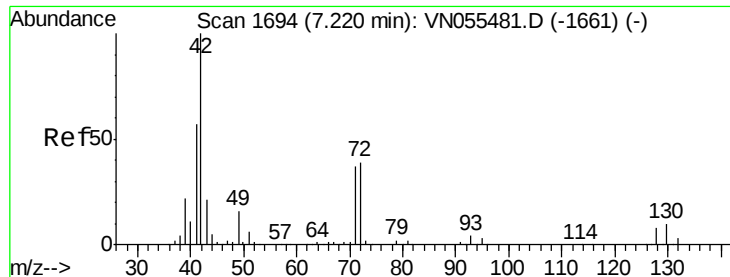
Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Tgt Ion:	49	Resp:	471867
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	64.8	49.5	74.3





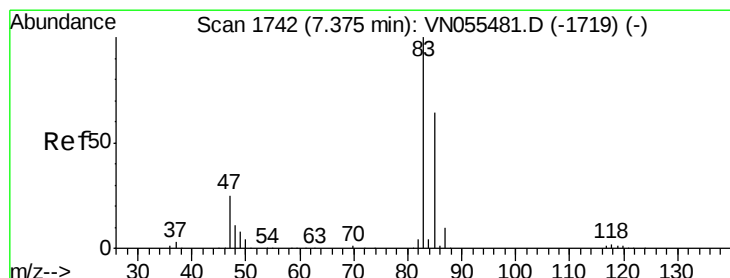
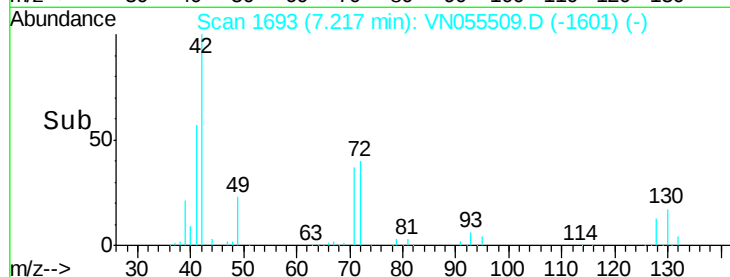
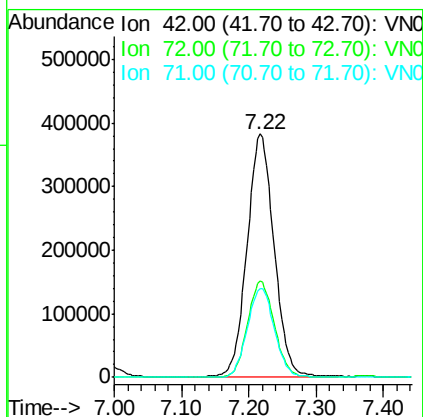
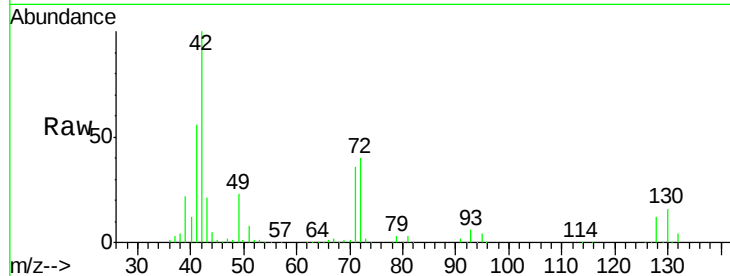
#29
Tetrahydrofuran
Concen: 223.409 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.0	46.6
71	36.7	29.4	44.2

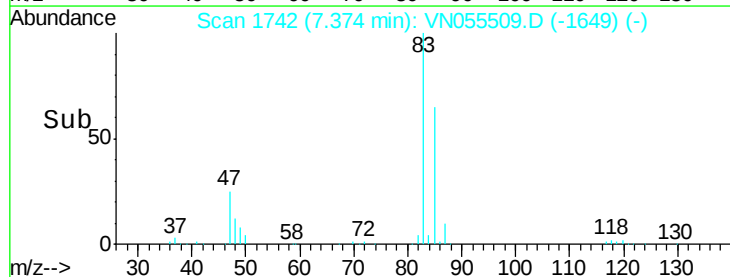
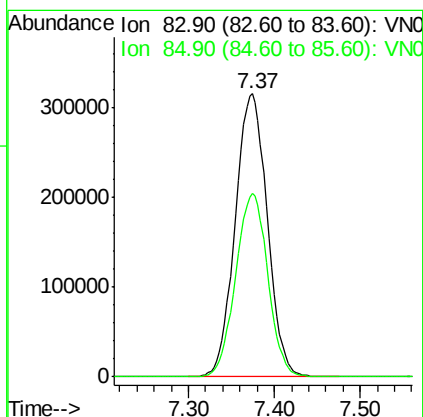
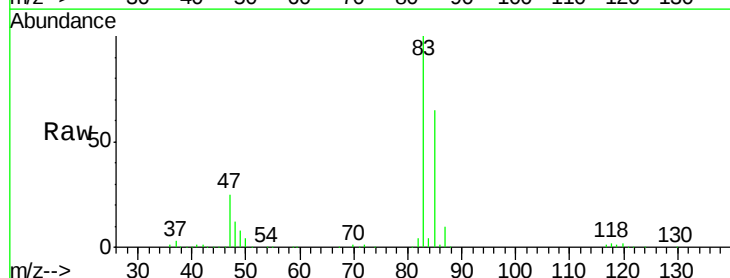
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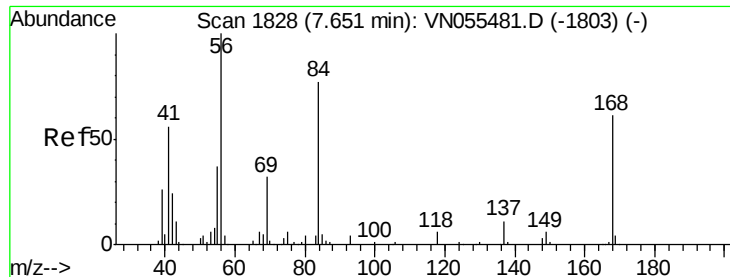
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#30
Chloroform
Concen: 47.921 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.3	76.9





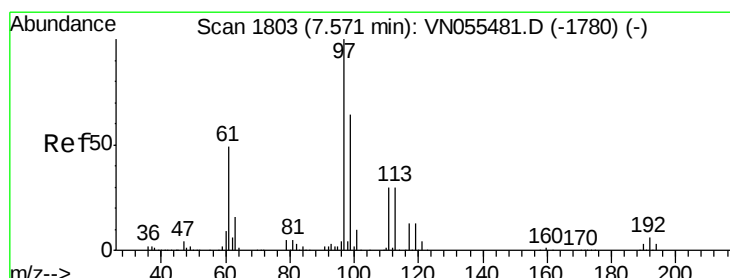
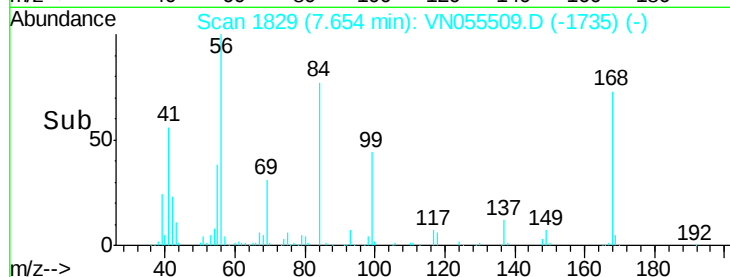
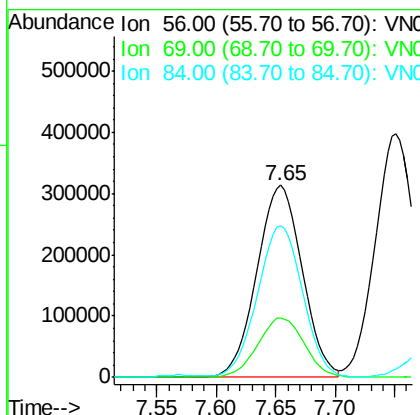
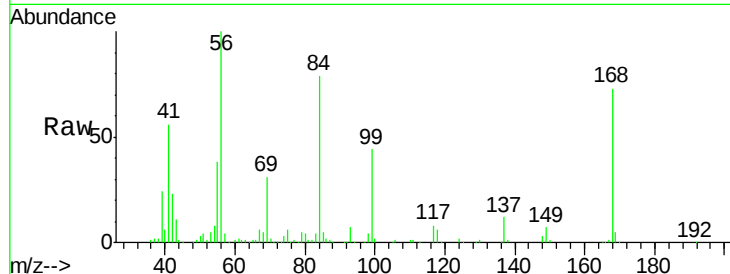
#31
Cyclohexane
Concen: 45.290 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	26.0	39.0
84	78.2	61.9	92.9

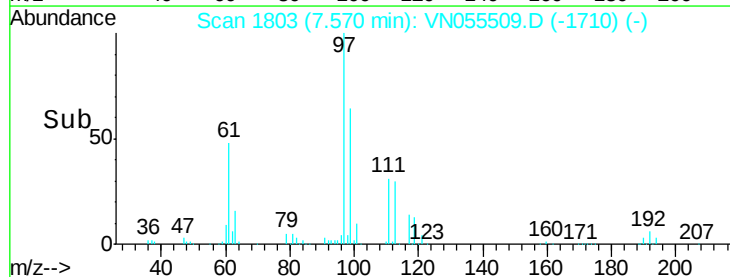
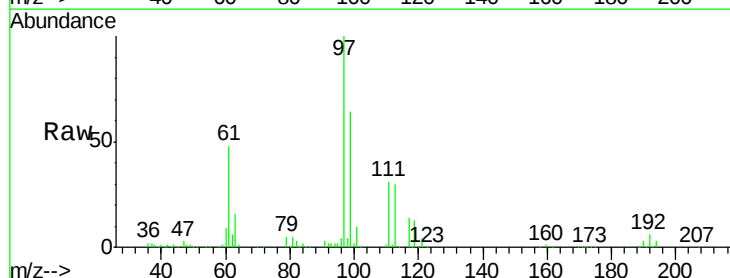
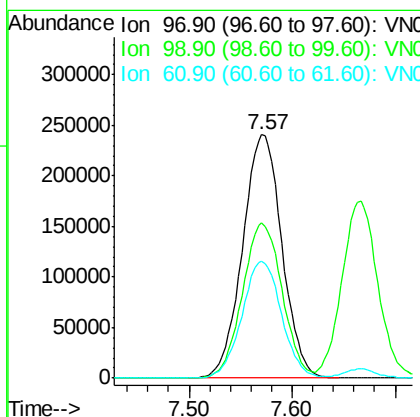
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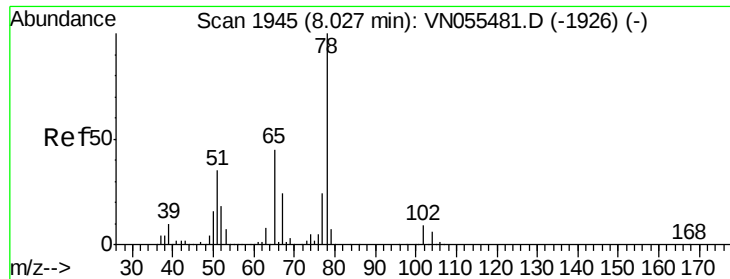
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#32
1,1,1-Trichloroethane
Concen: 49.082 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.2	76.8
61	48.3	39.2	58.8





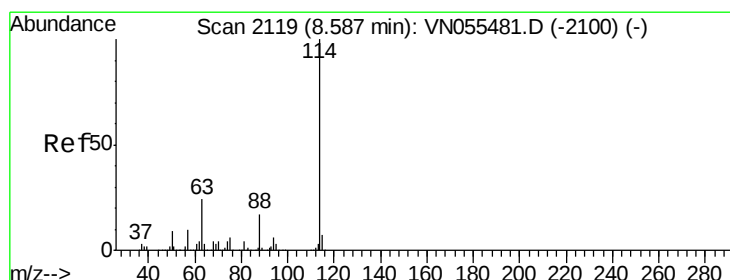
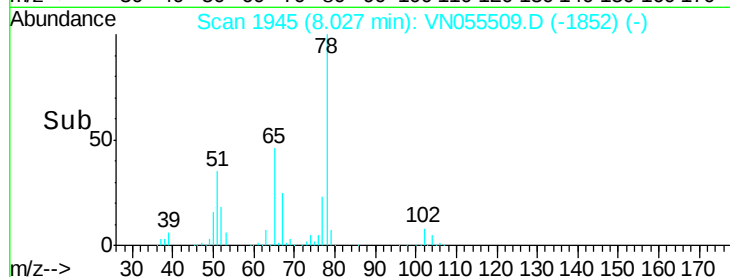
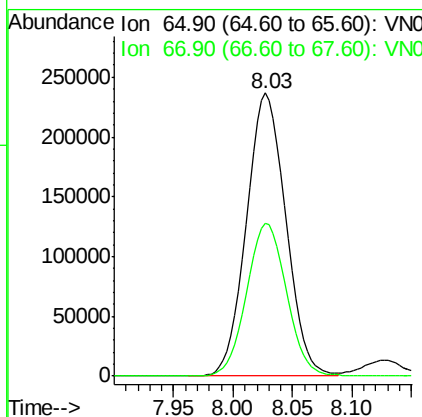
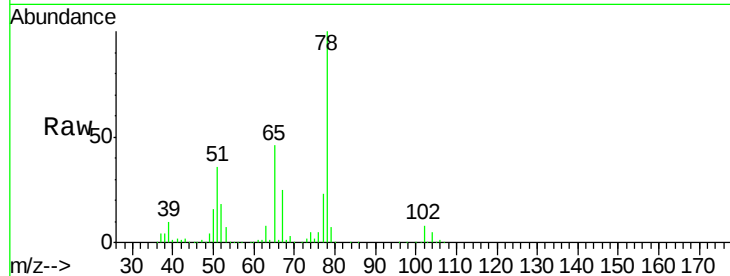
#33
 1,2-Dichloroethane-d4
 Concen: 48.034 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	65	Resp	543941
Ion Ratio	100	Lower	Upper
67	54.6	0.0	109.6

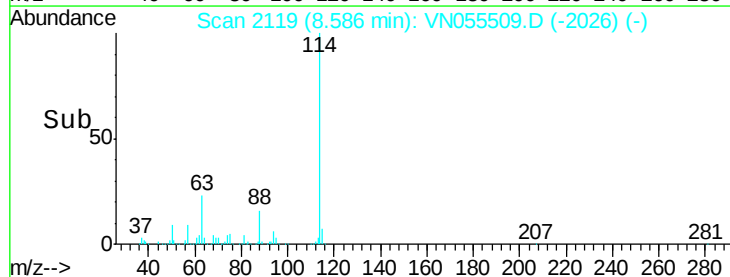
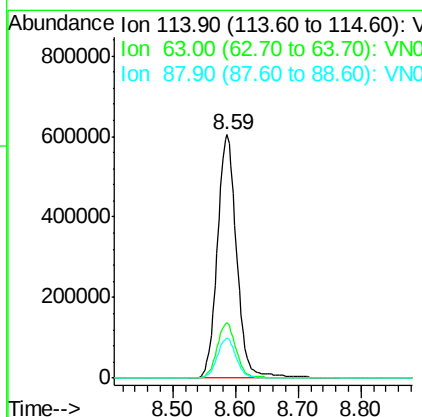
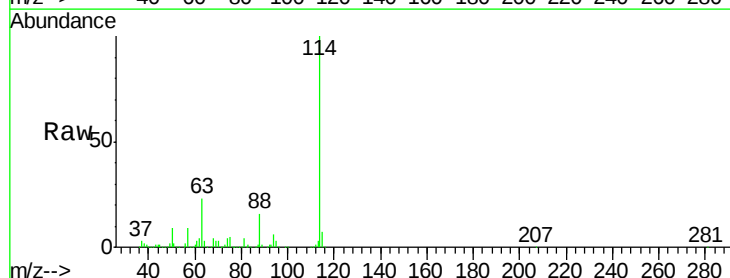
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion	114	Resp	1295407
Ion Ratio	100	Lower	Upper
63	22.6	0.0	47.4
88	16.4	0.0	34.0





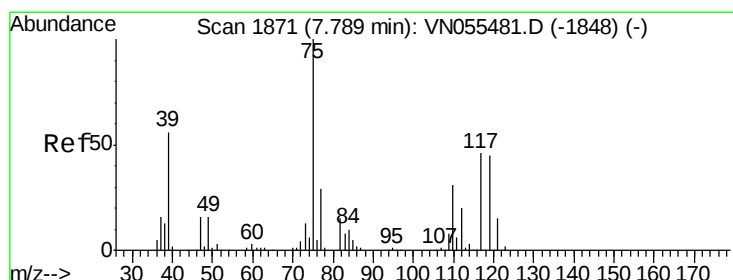
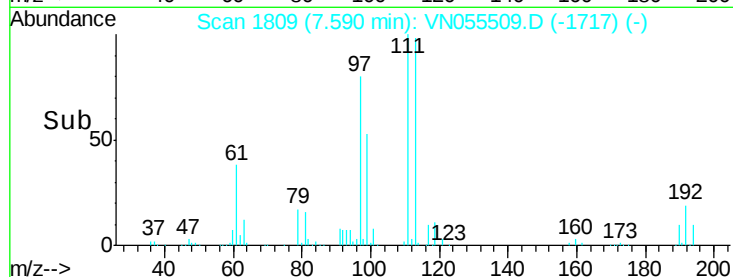
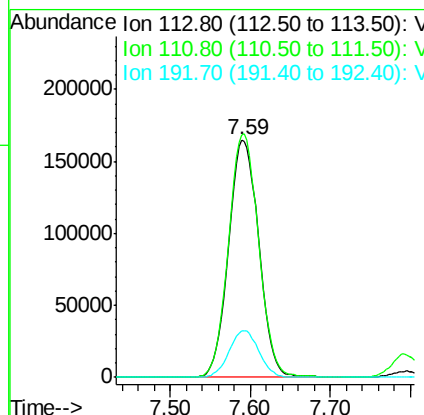
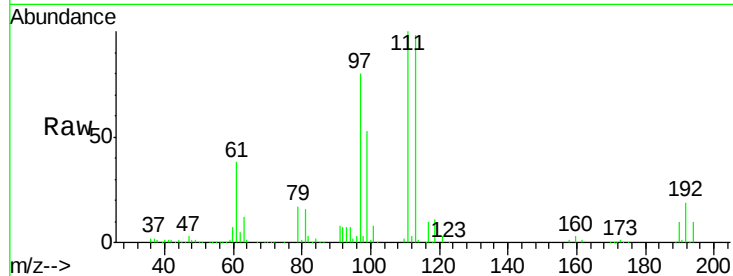
#35
 Dibromofluoromethane
 Concen: 50.638 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	423152		
111	101.8	82.9	124.3	
192	19.3	15.6	23.4	

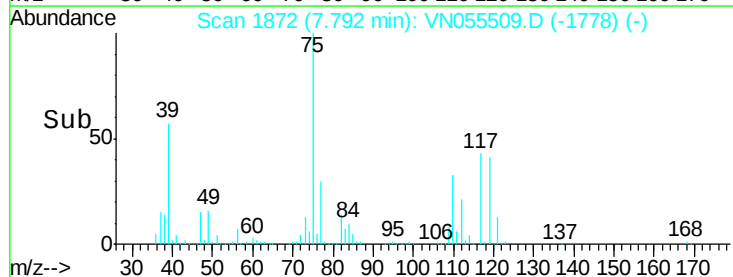
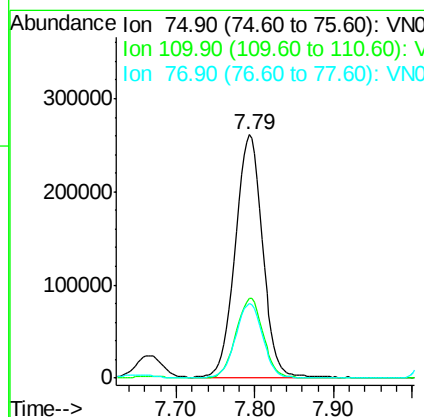
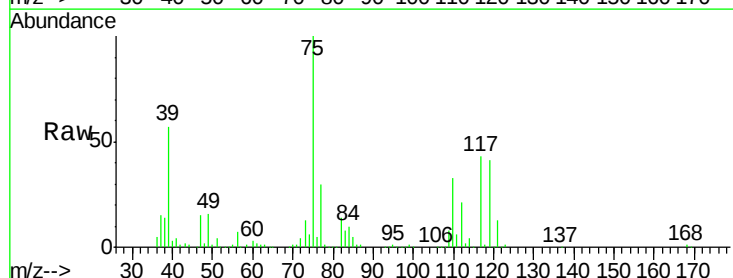
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 49.345 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	629745		
110	33.0	16.1	48.3	
77	30.9	24.6	37.0	





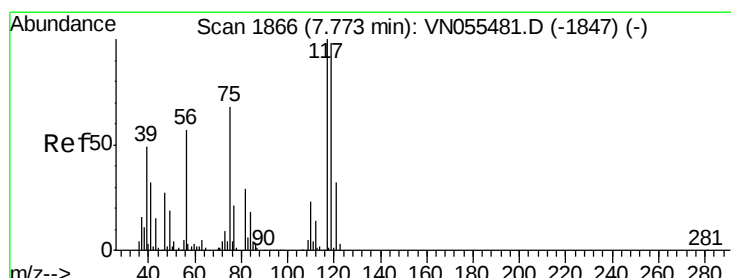
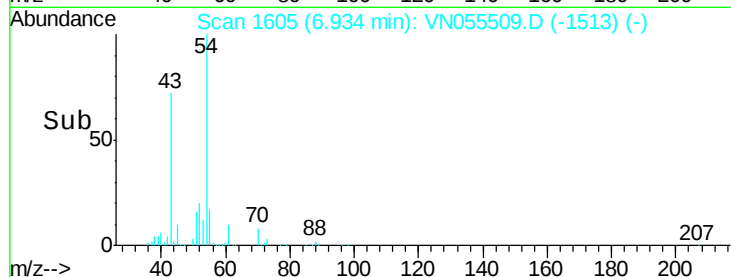
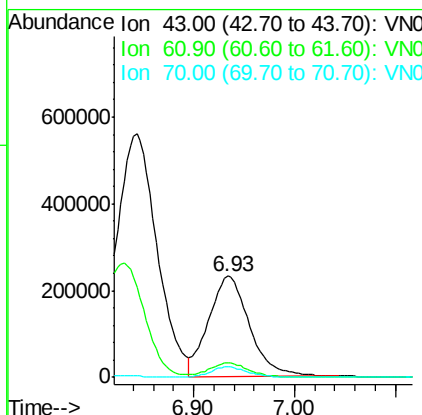
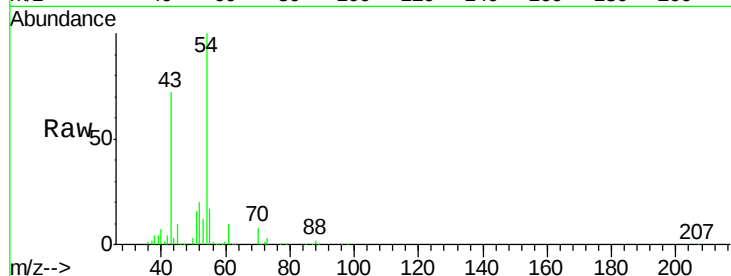
#37
Ethyl Acetate
Concen: 46.766 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	9.3	7.0	10.6

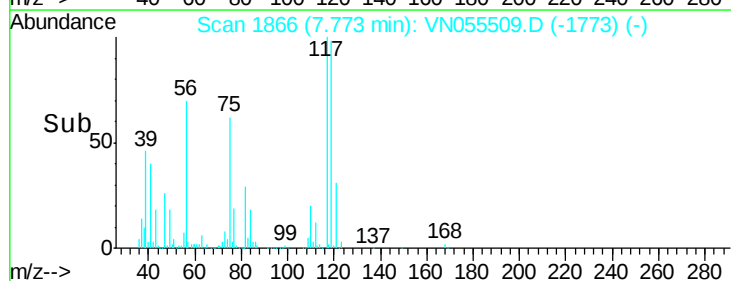
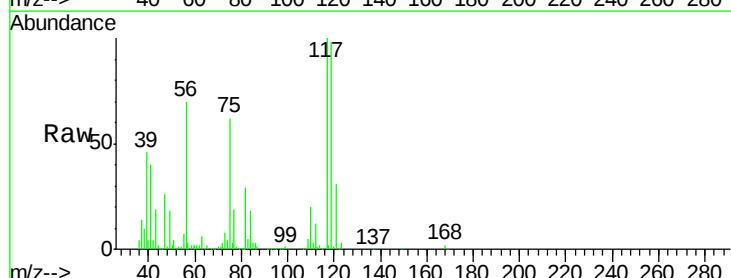
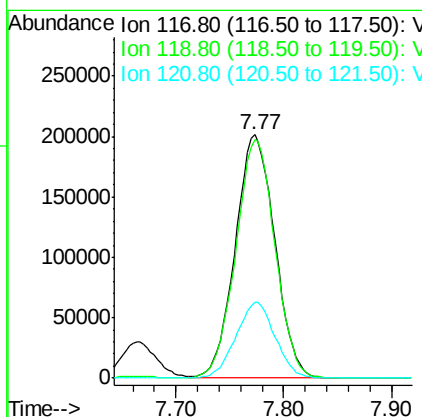
Manual Integrations
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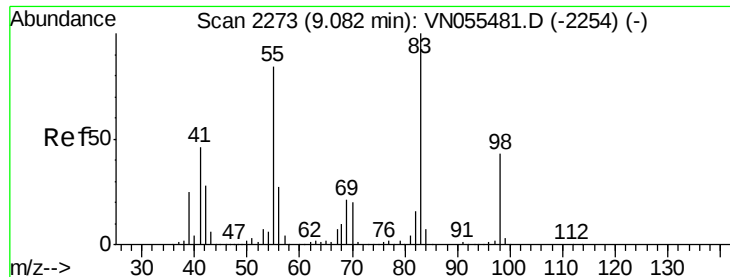
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#38
Carbon Tetrachloride
Concen: 47.678 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	77.8	116.6
121	31.5	25.2	37.8





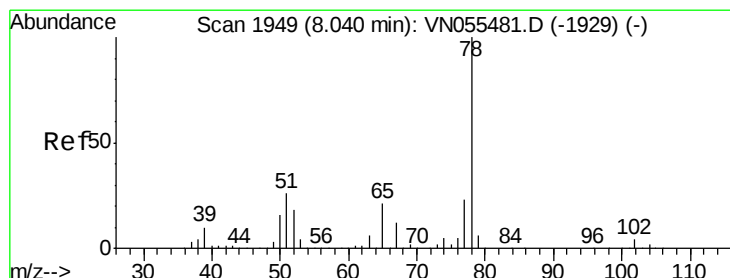
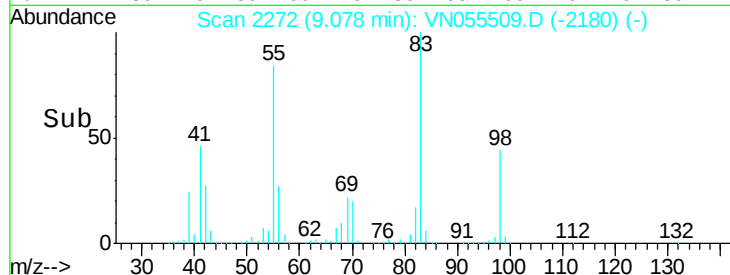
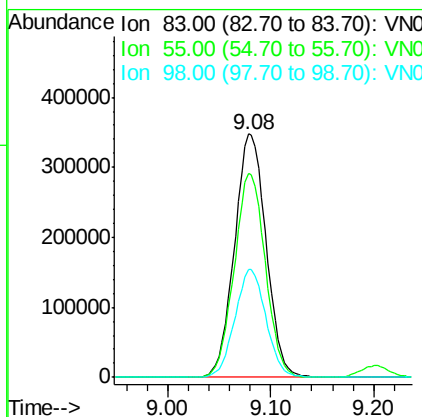
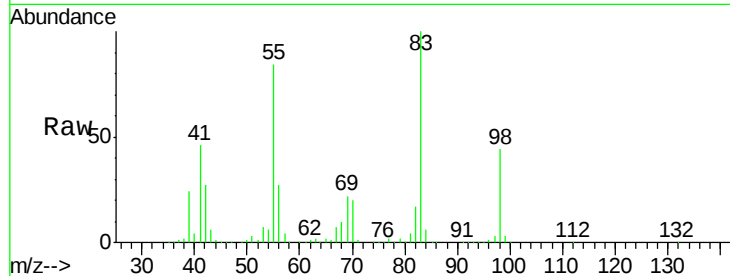
#39
Methvlcvclohexane
Concen: 47.622 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.8	67.0	100.4
98	44.3	34.2	51.4

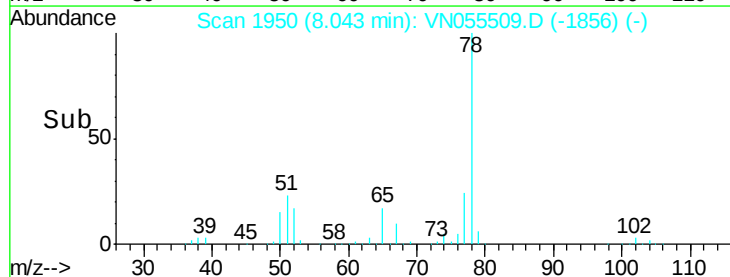
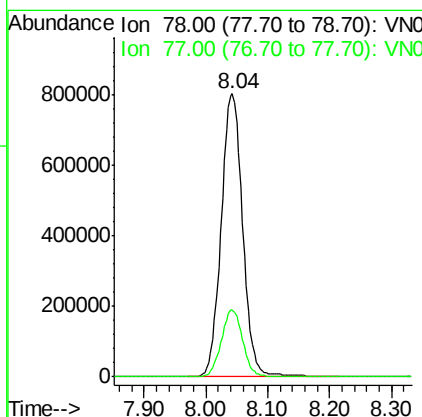
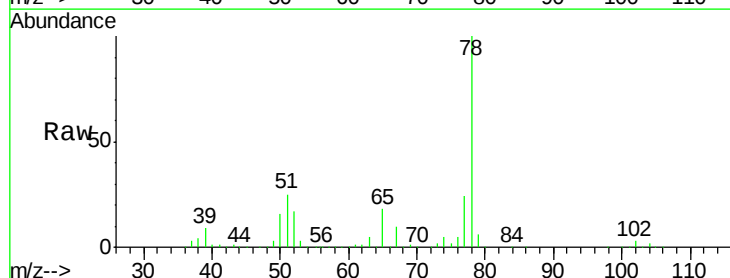
Manual Integrations
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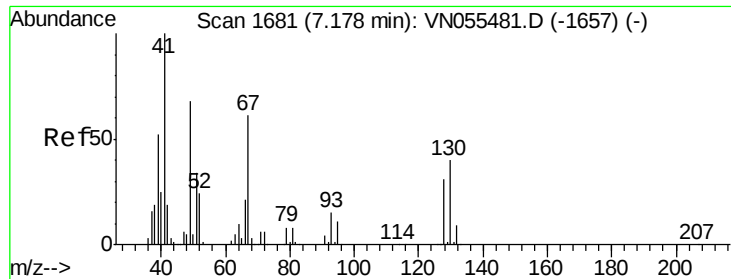
MMDadoda
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#40
Benzene
Concen: 48.976 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	27.8





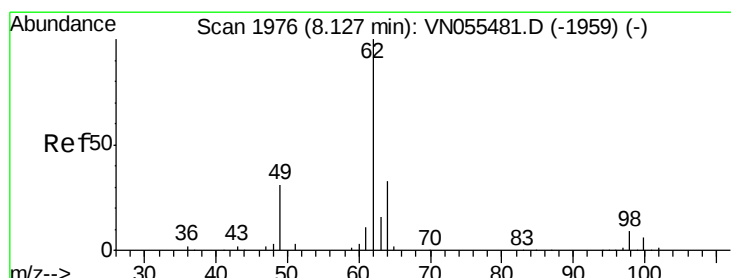
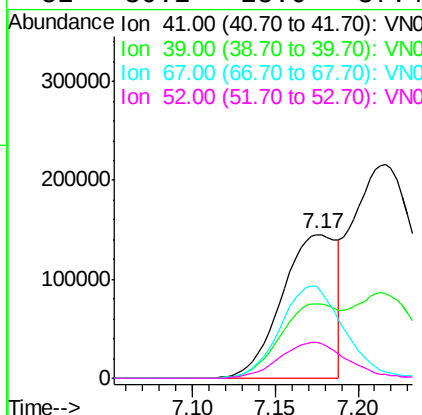
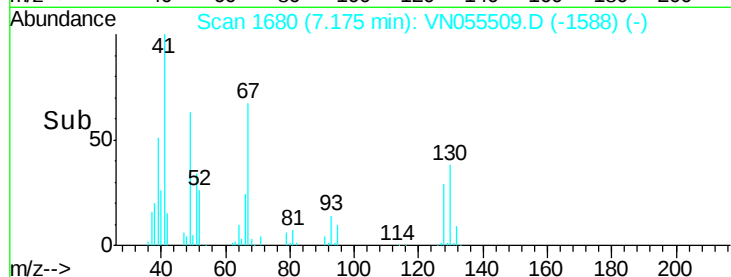
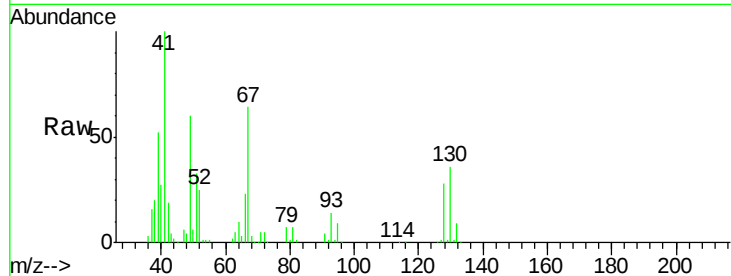
#41
Methacrylonitrile
Concen: 51.594 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	333368
Ion	Ratio	Lower	Upper
41	100		
39	56.5	44.7	67.1
67	75.7	61.4	92.0
52	30.2	25.0	37.4

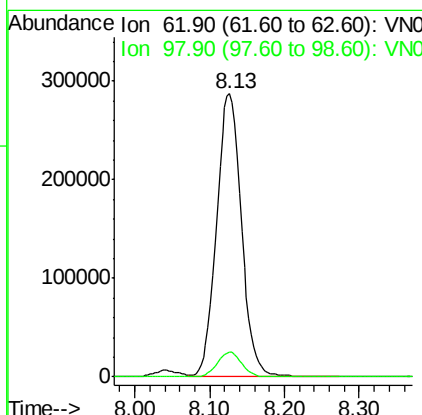
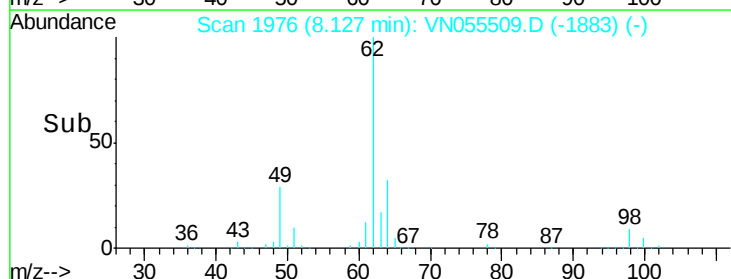
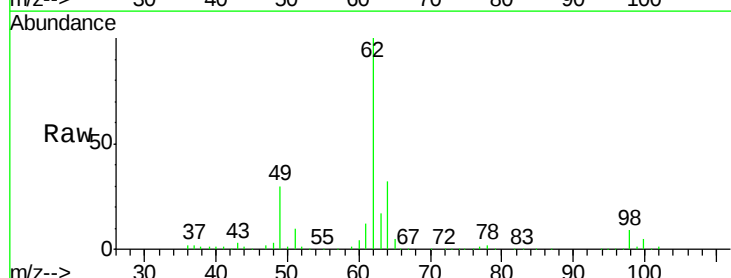
Manual Integrations
APPROVED

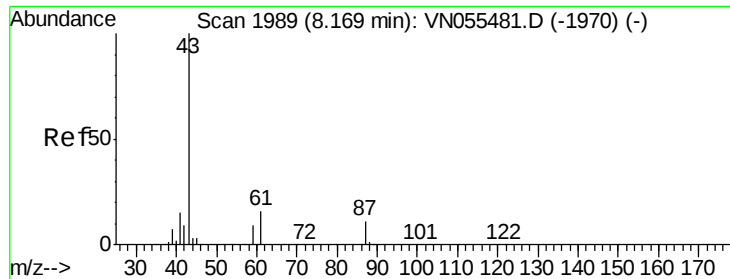
MMDadoda
5/10/2019 12:44:01 PM



#42
1,2-Dichloroethane
Concen: 47.502 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion	62	Resp	661011
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.4





#43

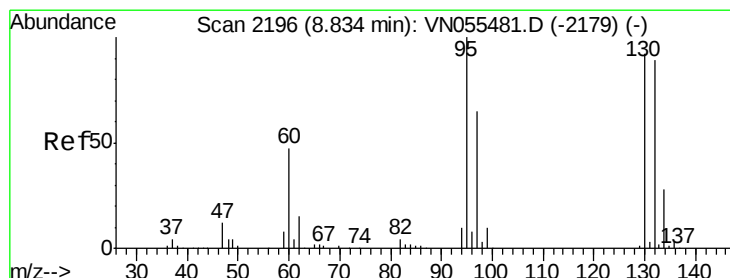
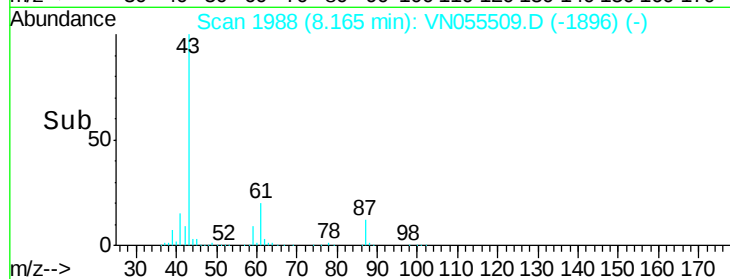
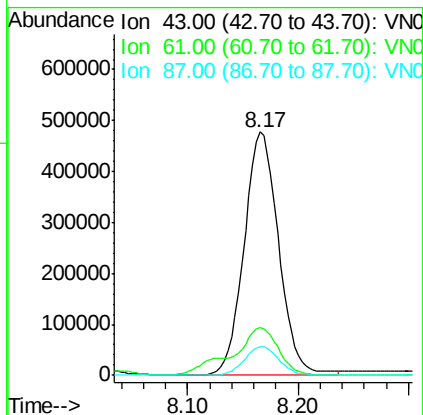
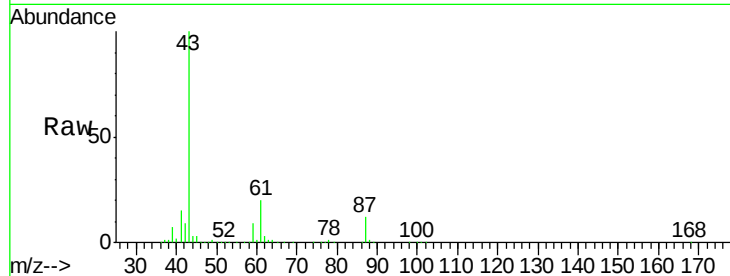
Isopropyl Acetate
 Concen: 48.809 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1032303
 Ion Ratio Lower Upper
 43 100
 61 19.7 15.1 22.7
 87 11.9 9.0 13.6

Manual Integrations
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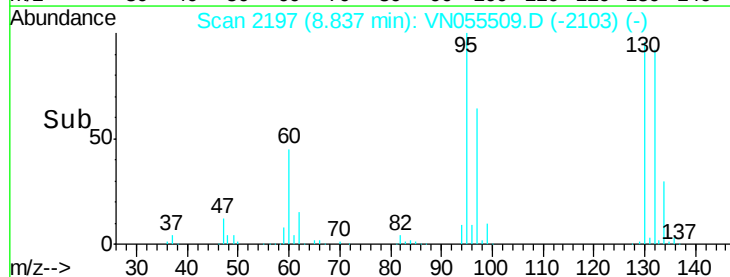
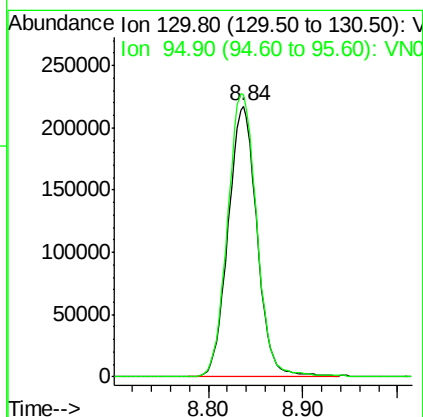
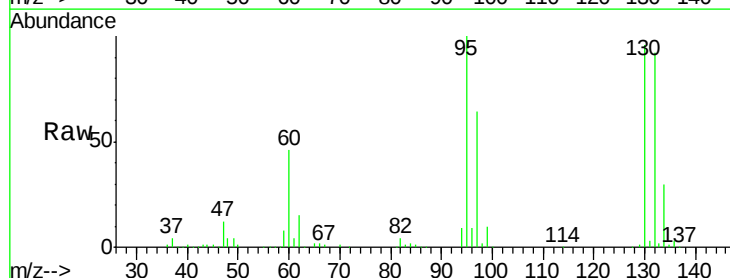
MMDadoda
 5/10/2019 12:44:01 PM



#44

Trichloroethene
 Concen: 48.879 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion: 130 Resp: 460650
 Ion Ratio Lower Upper
 130 100
 95 104.0 0.0 216.8





#45

1,2-Dichloropropane

Concen: 48.234 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 546628

Ion Ratio Lower Upper

63 100

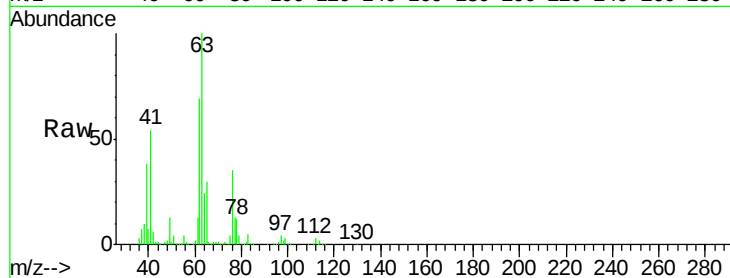
65 30.2 24.1 36.1

Manual Integrations

APPROVED

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

250000

200000

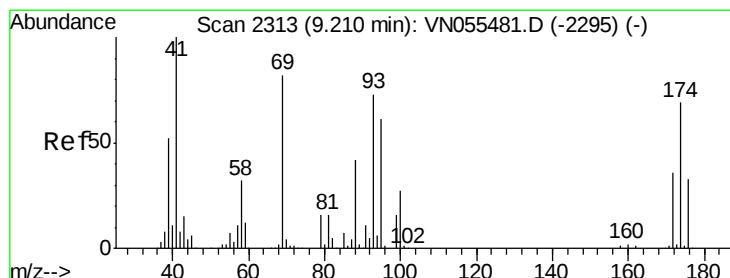
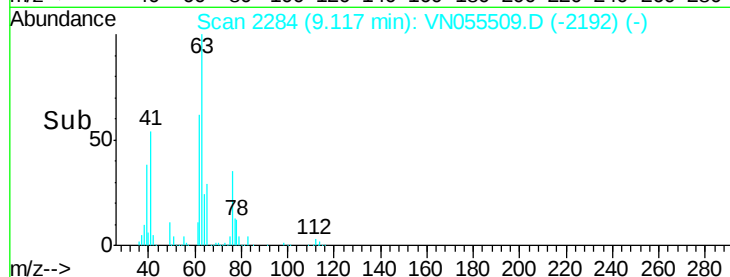
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 47.884 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

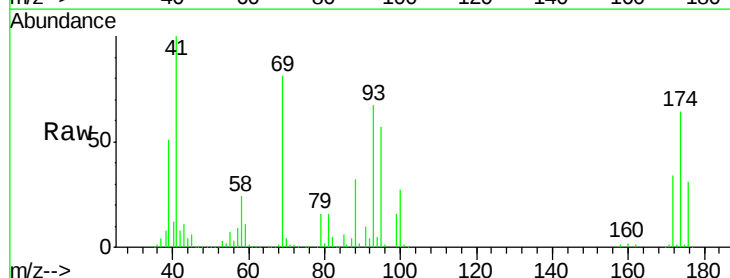
Tgt Ion: 93 Resp: 314543

Ion Ratio Lower Upper

93 100

95 84.5 64.8 97.2

174 95.4 75.0 112.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

200000

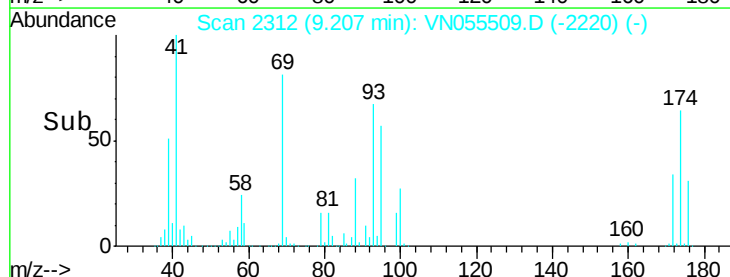
150000

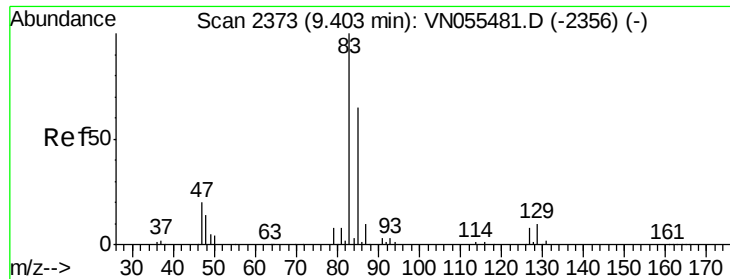
100000

50000

0

Time-->





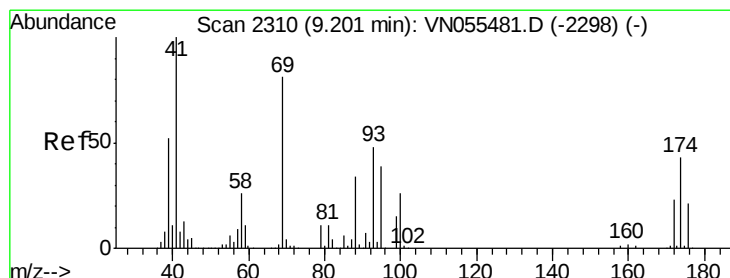
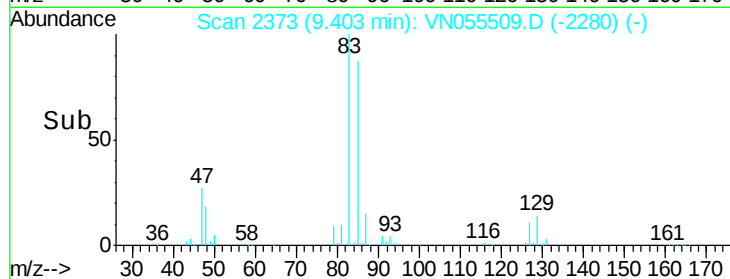
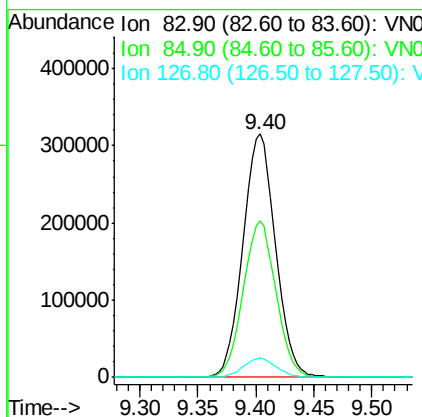
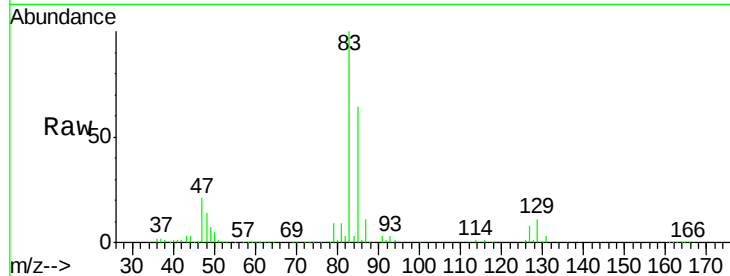
#47
Bromodichloromethane
Concen: 49.207 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	618370
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	52.2	78.2
127	8.0	6.5	9.7

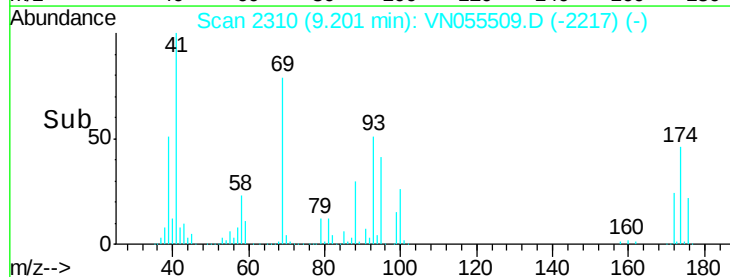
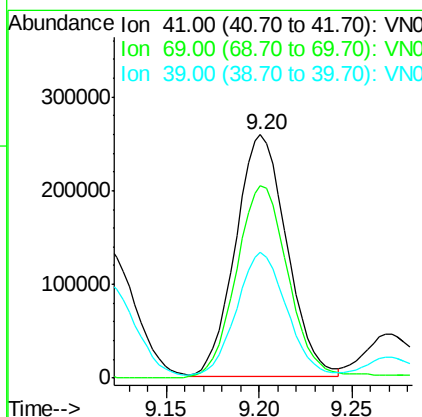
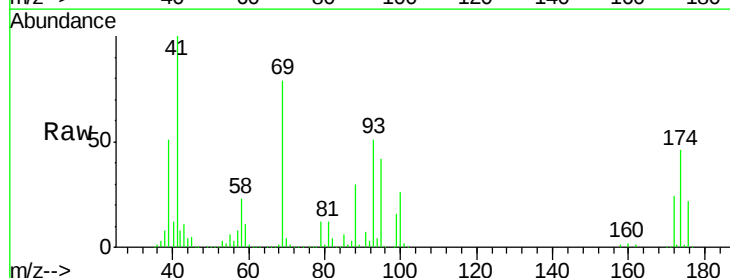
Manual Integrations
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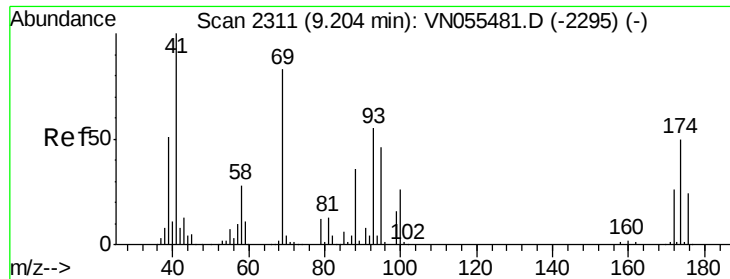
MMDadoda
5/10/2019 12:44:01 PM



#48
Methyl methacrylate
Concen: 48.715 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion	41	Resp	496415
Ion Ratio	100	Lower	Upper
41	100		
69	82.3	64.2	96.2
39	50.9	41.6	62.4





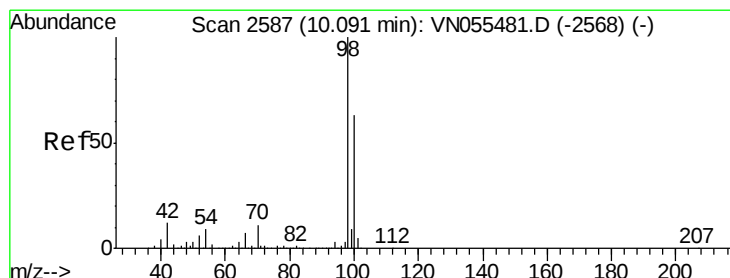
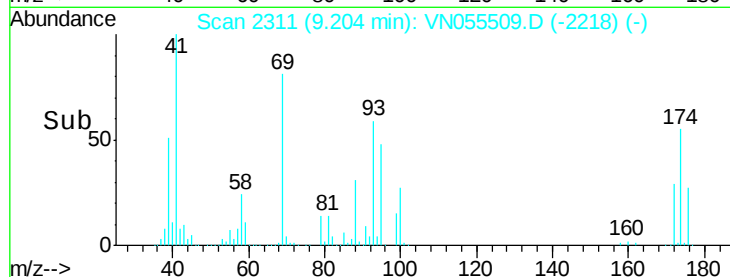
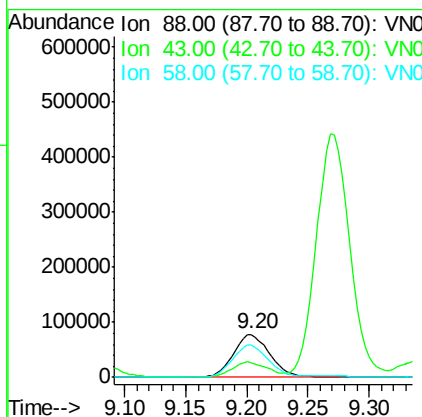
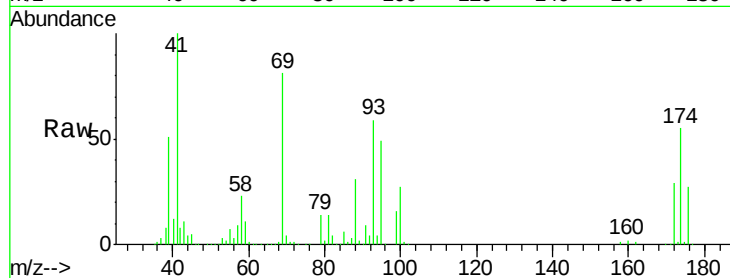
#49
1,4-Dioxane
Concen: 818.305 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	27.8	41.8
58	74.3	61.8	92.6

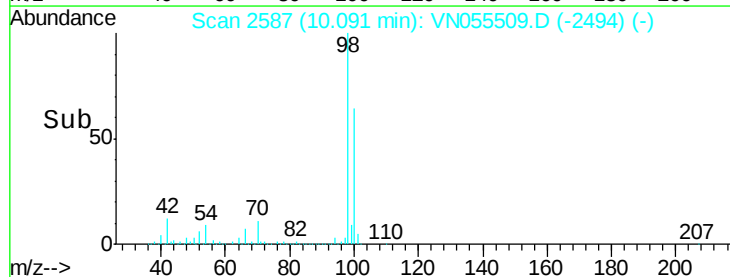
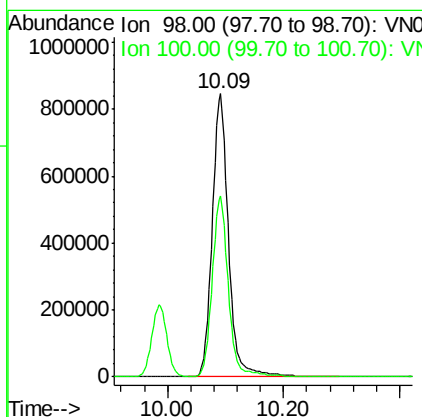
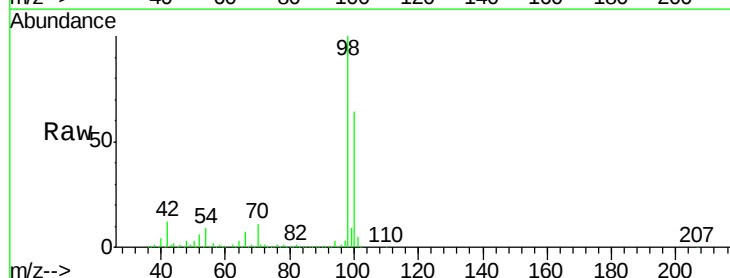
Manual Integrations
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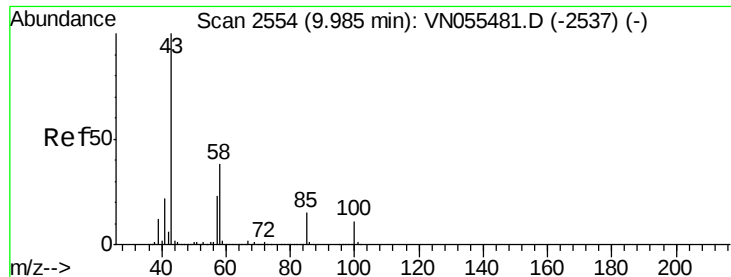
MMDadoda
5/10/2019 12:44:01 PM



#50
Toluene-d8
Concen: 50.769 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.4	75.6





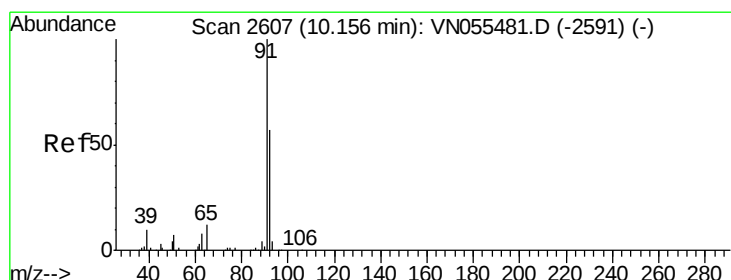
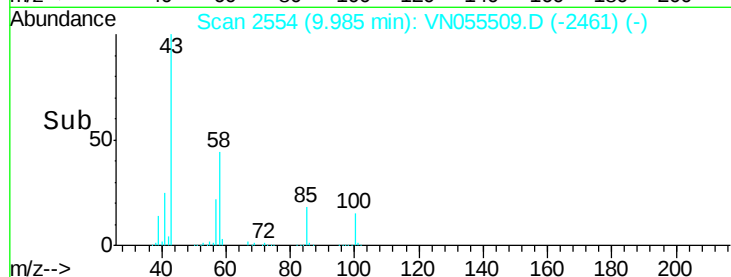
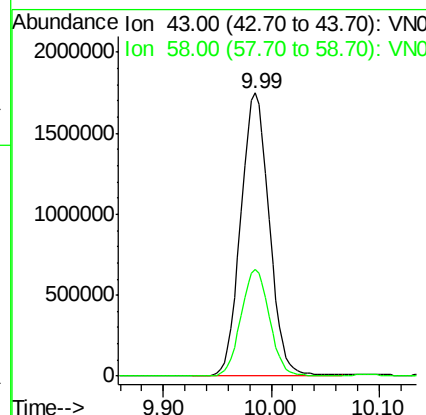
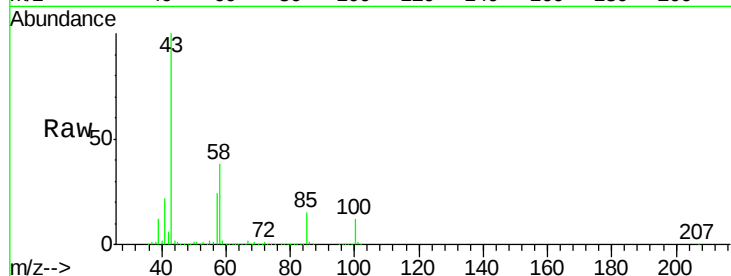
#51
4-Methyl-2-Pentanone
Concen: 230.908 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 3211890
Ion Ratio Lower Upper
43 100
58 37.7 29.9 44.9

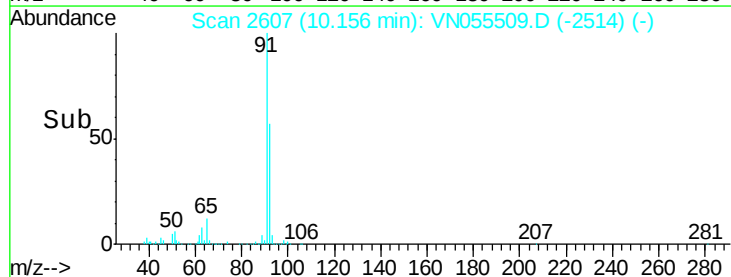
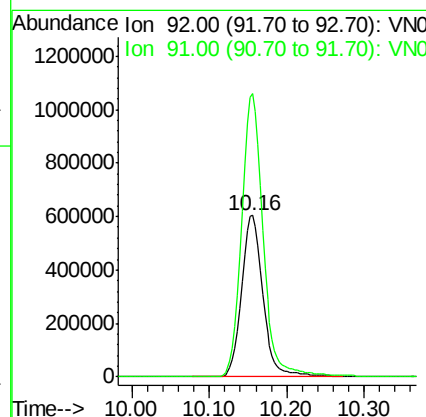
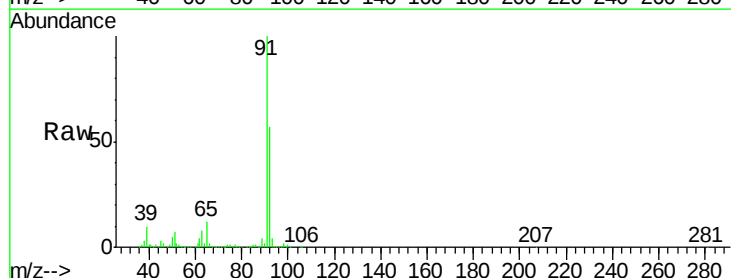
Manual Integrations
APPROVED

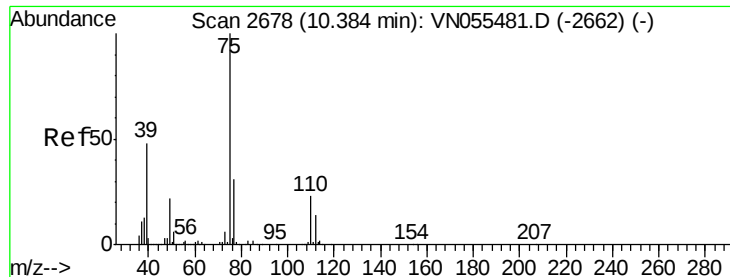
MMDadoda
5/10/2019 12:44:01 PM



#52
Toluene
Concen: 50.712 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion: 92 Resp: 1148307
Ion Ratio Lower Upper
92 100
91 177.2 140.5 210.7





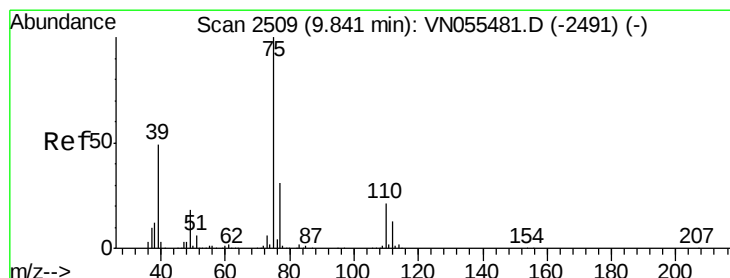
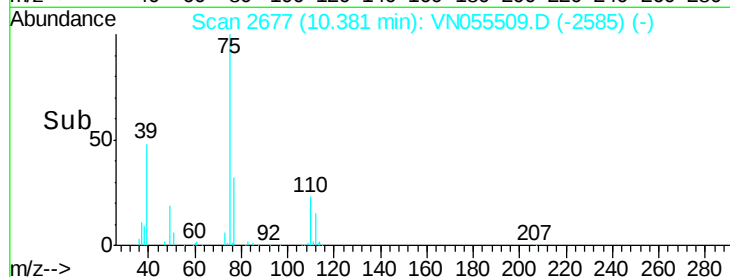
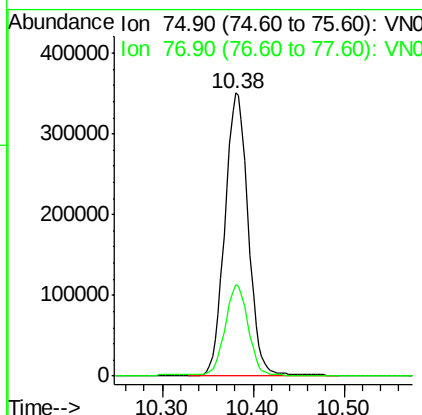
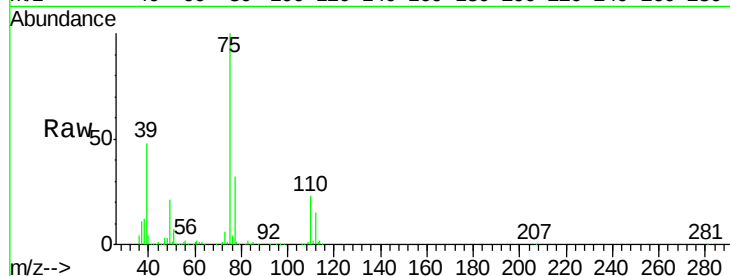
#53
t-1,3-Dichloropropene
Concen: 52.067 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.1	37.7

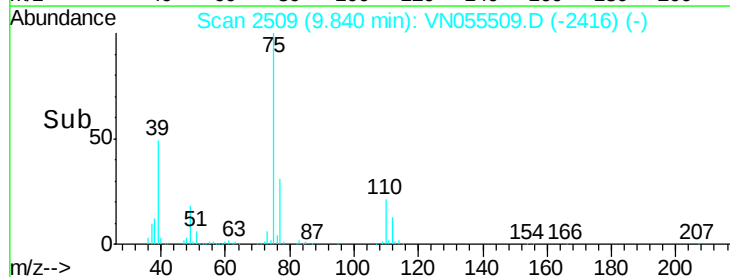
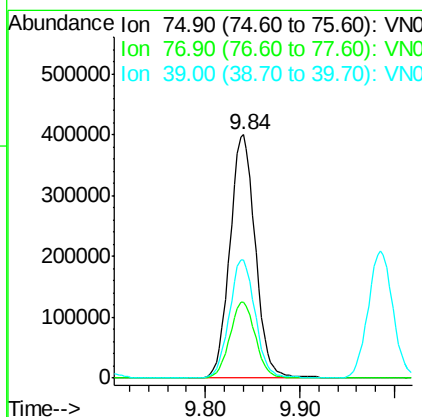
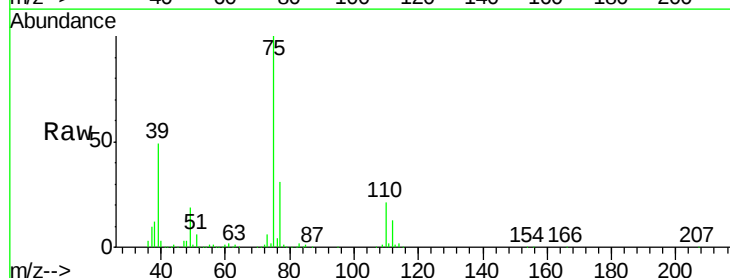
Manual Integrations
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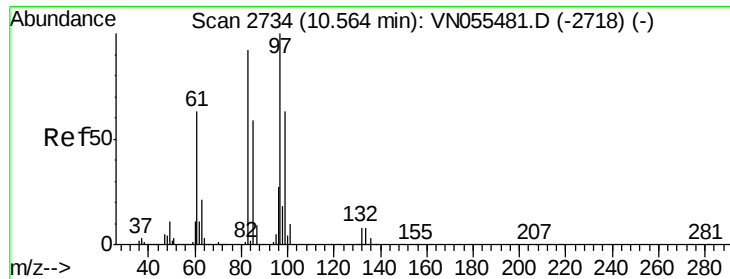
MMDadoda
5/10/2019 12:44:01 PM



#54
cis-1,3-Dichloropropene
Concen: 51.964 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.4	36.6
39	48.4	39.5	59.3





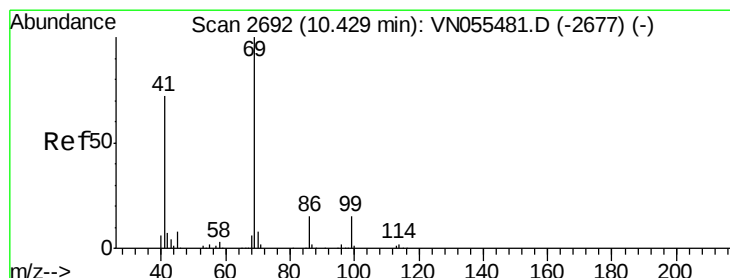
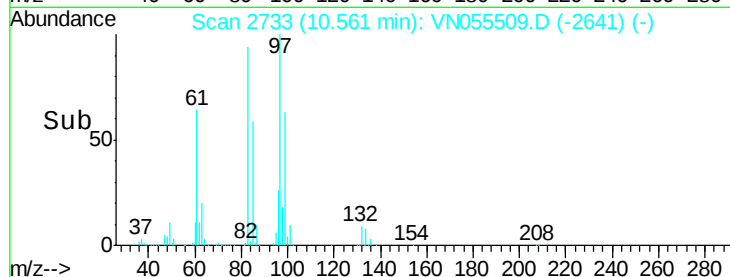
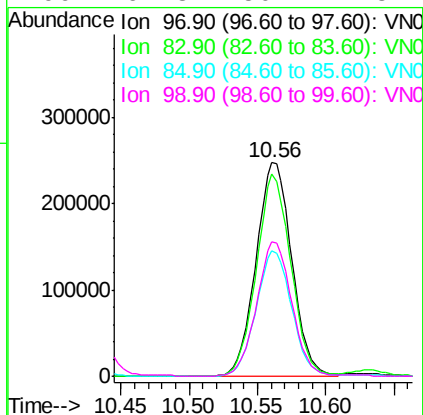
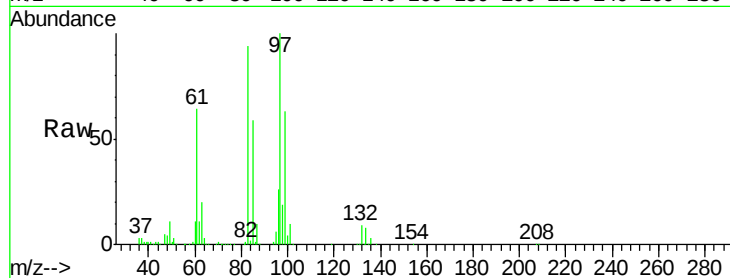
#55
 1,1,2-Trichloroethane
 Concen: 48.964 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	449221
Ion	Ratio	Lower	Upper
97	100		
83	94.4	73.2	109.8
85	58.6	47.5	71.3
99	62.8	50.2	75.2

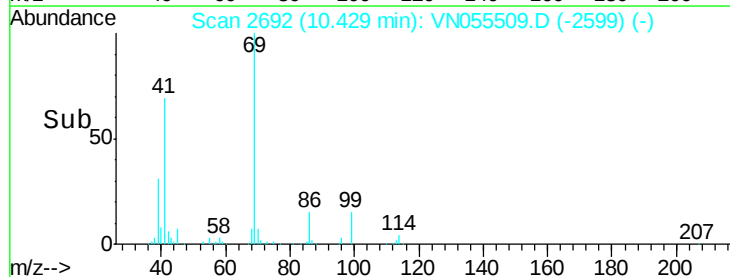
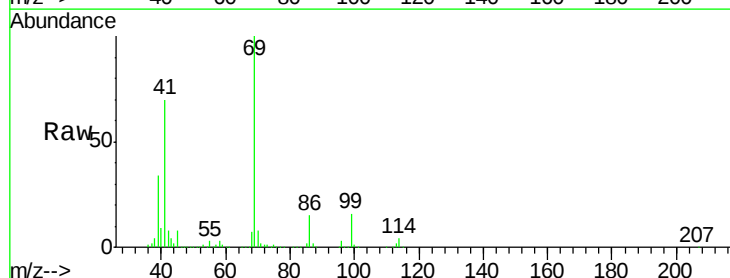
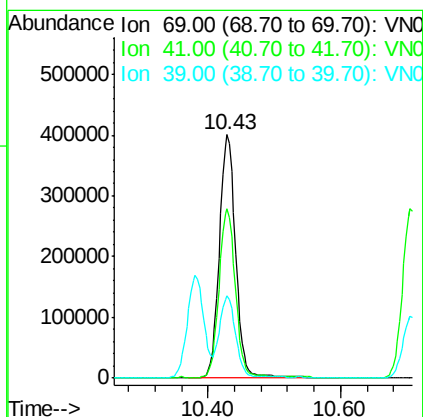
Manual Integrations
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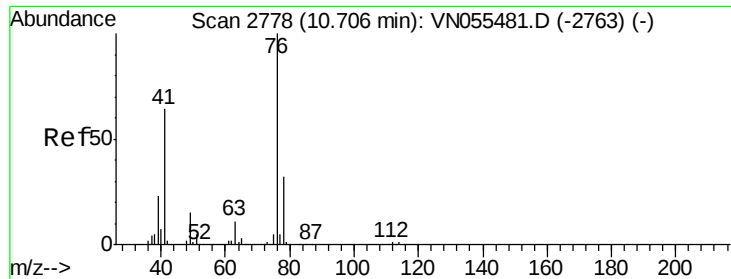
MMDadoda
 5/10/2019 12:44:01 PM



#56
 Ethyl methacrylate
 Concen: 50.523 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion:	69	Resp:	689463
Ion	Ratio	Lower	Upper
69	100		
41	68.4	56.2	84.2
39	33.4	27.8	41.6





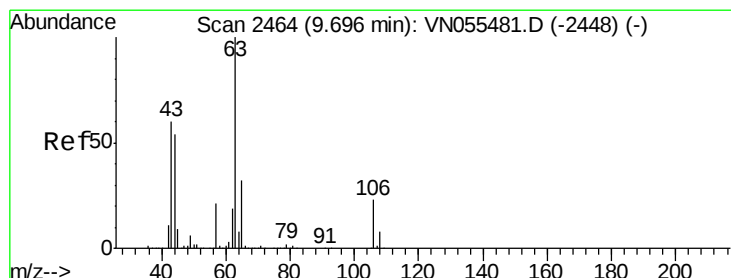
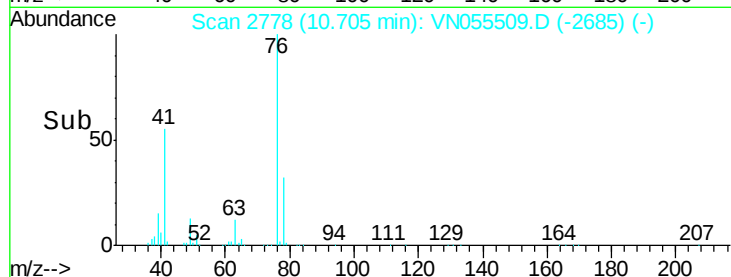
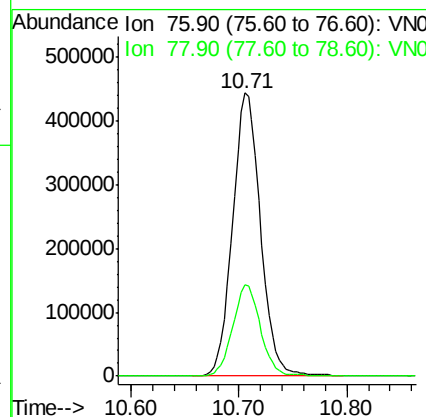
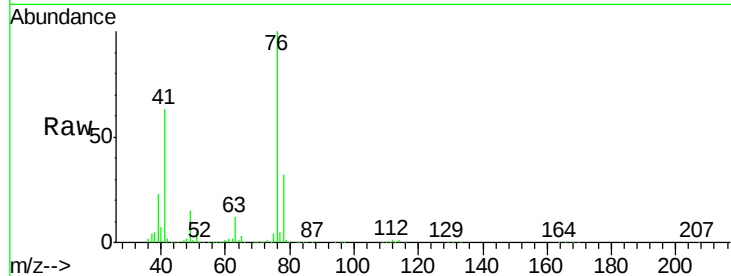
#57
 1,3-Dichloropropane
 Concen: 49.277 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 802611
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6

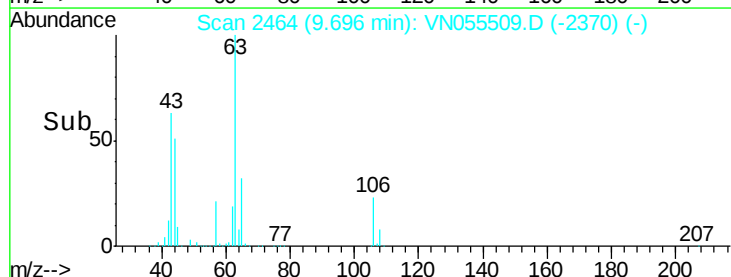
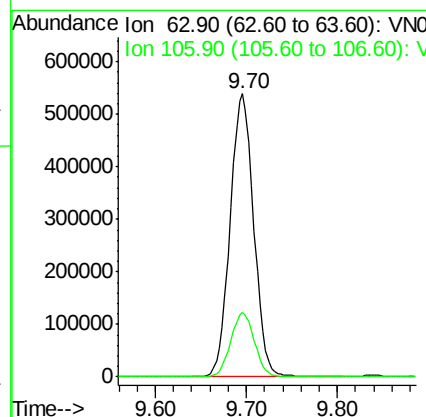
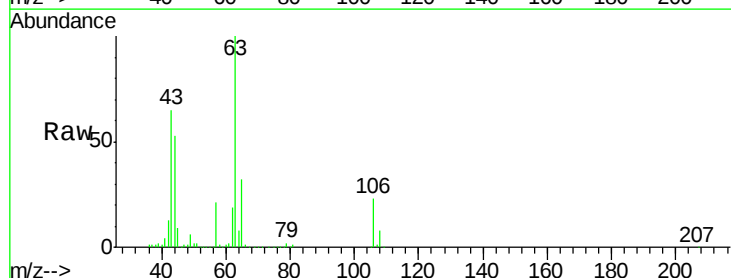
Manual Integrations
 APPROVED

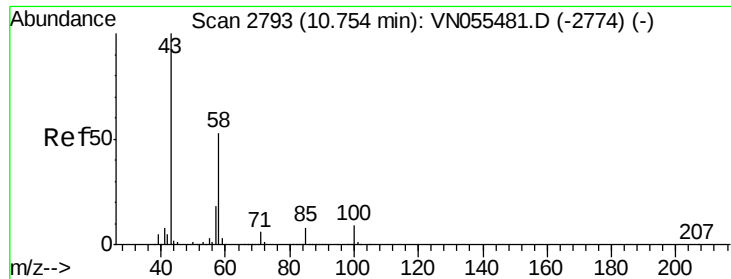
MMDadoda
 5/10/2019 12:44:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 213.441 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion: 63 Resp: 971663
 Ion Ratio Lower Upper
 63 100
 106 22.8 18.6 27.8





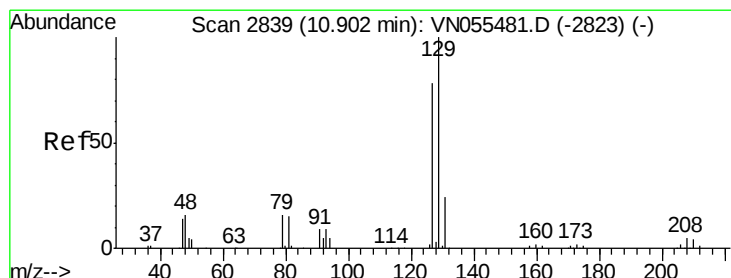
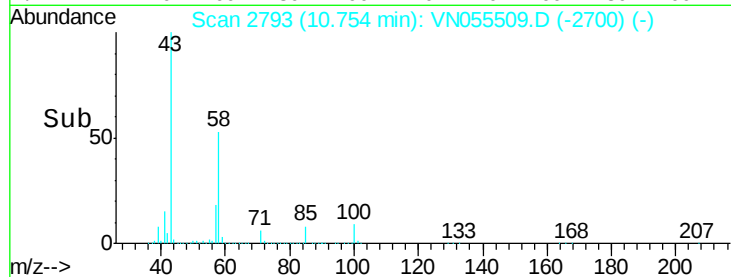
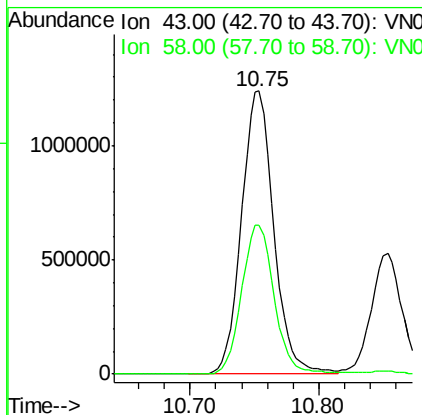
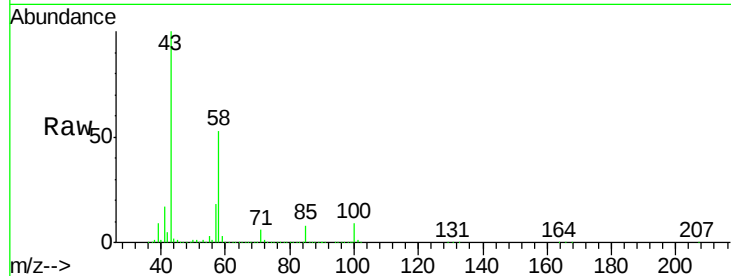
#59
2-Hexanone
Concen: 221.012 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 43 Resp: 2155965
Ion Ratio Lower Upper
43 100
58 53.5 26.4 79.0

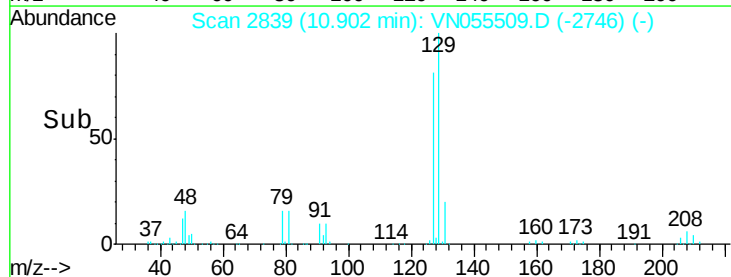
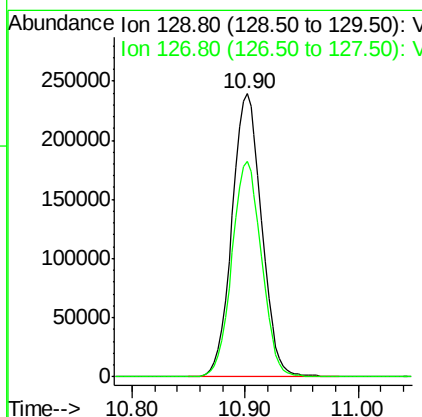
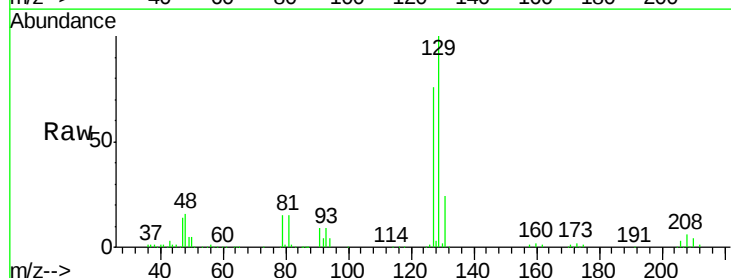
Manual Integrations
APPROVED

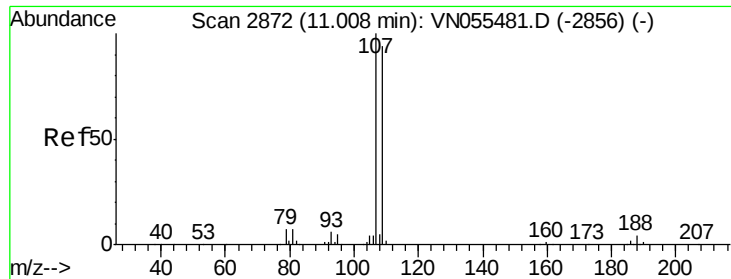
MMDadoda
5/10/2019 12:44:01 PM



#60
Dibromochloromethane
Concen: 52.355 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion: 129 Resp: 436712
Ion Ratio Lower Upper
129 100
127 76.2 38.6 116.0





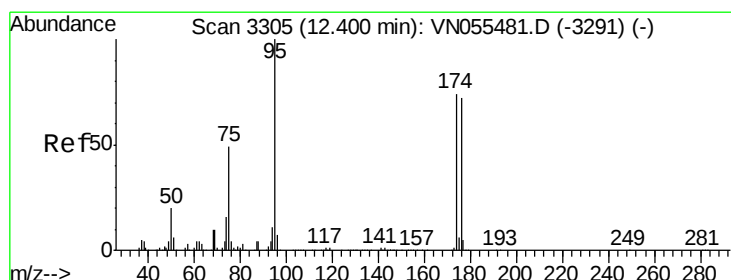
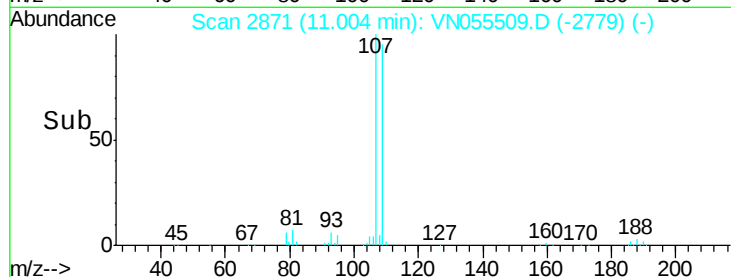
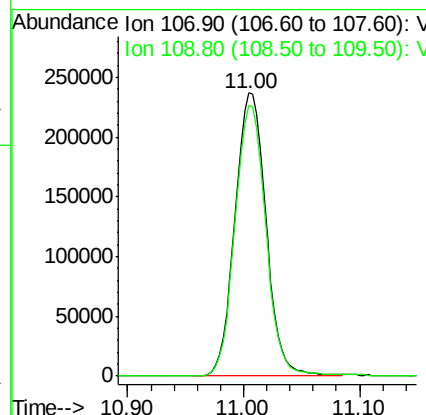
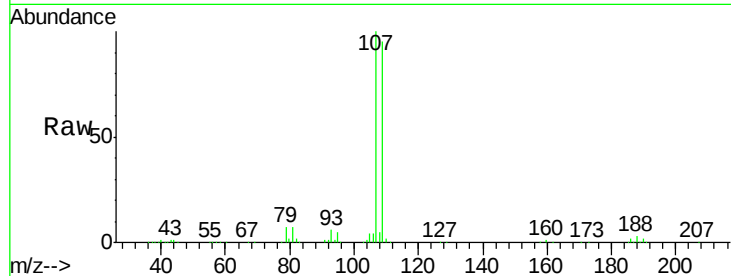
#61
 1,2-Dibromoethane
 Concen: 49.980 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 440567
 Ion Ratio Lower Upper
 107 100
 109 95.3 74.2 111.4

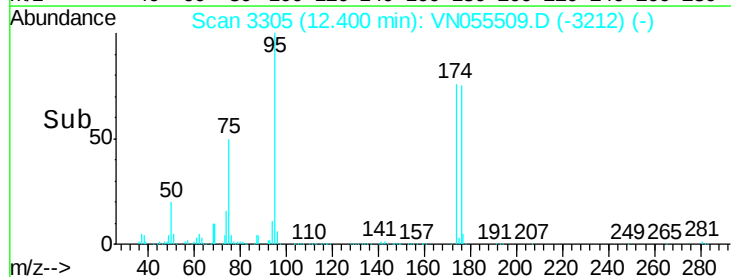
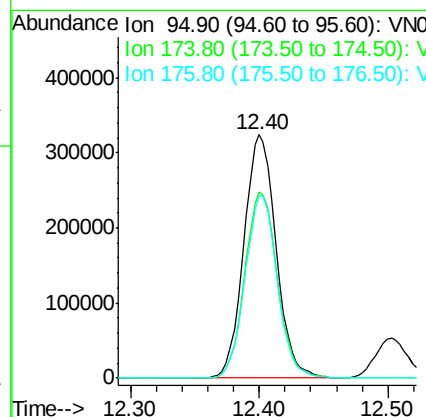
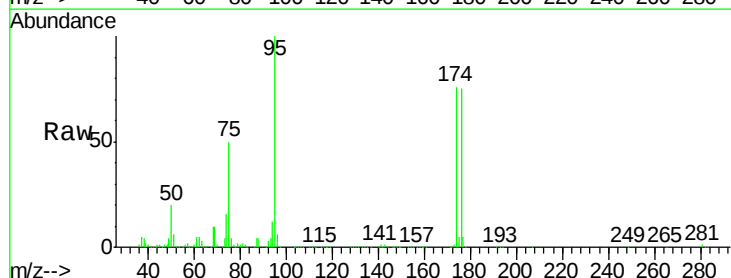
Manual Integrations
 APPROVED

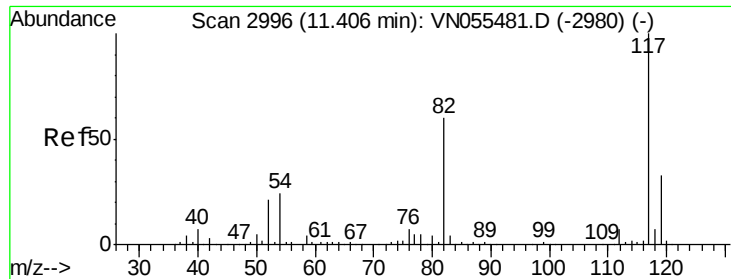
MMDadoda
 5/10/2019 12:44:01 PM



#62
 4-Bromofluorobenzene
 Concen: 51.312 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion: 95 Resp: 563419
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 152.2
 176 74.9 0.0 147.8





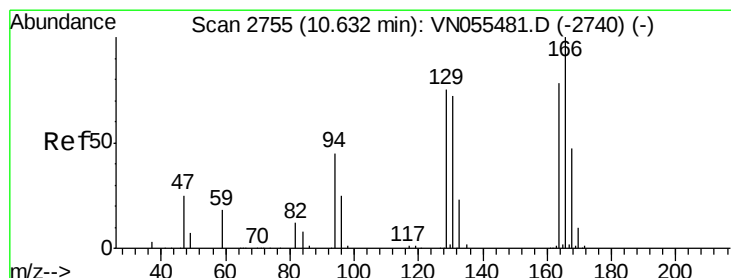
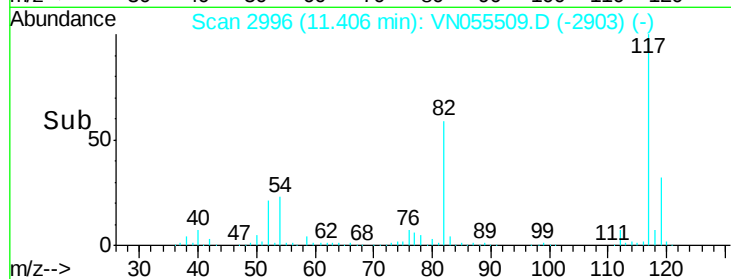
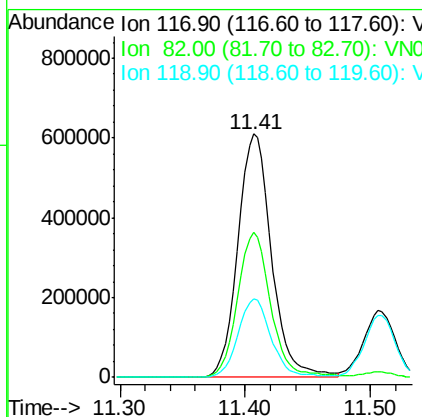
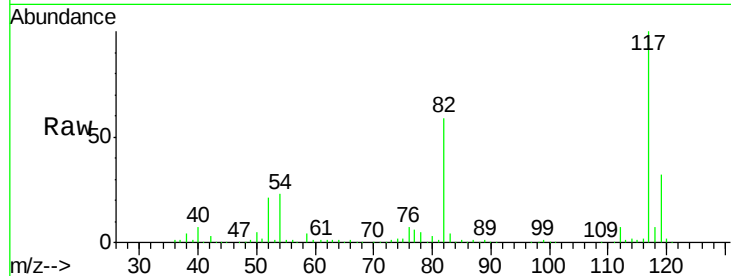
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1139398
Ion Ratio Lower Upper
117 100
82 59.4 48.0 72.0
119 32.2 26.0 39.0

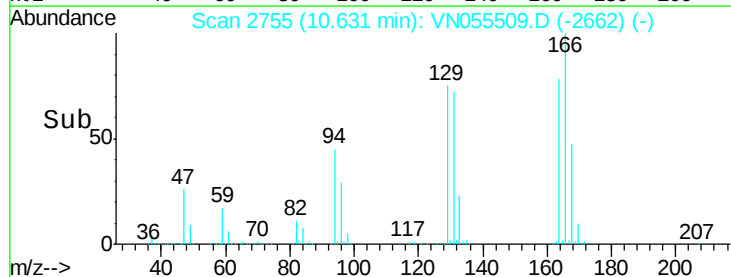
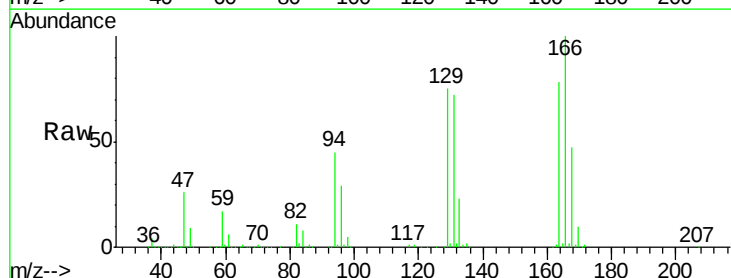
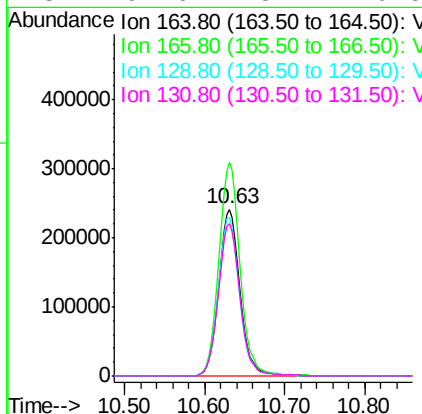
Manual Integrations
APPROVED

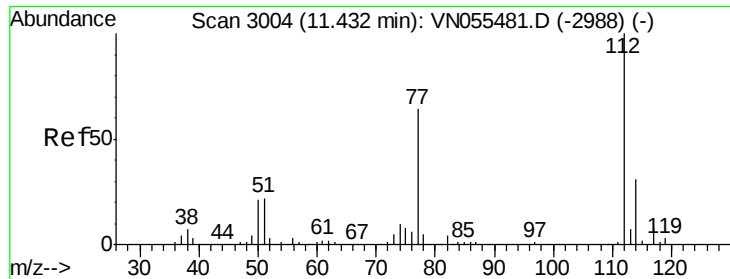
MMDadoda
5/10/2019 12:44:01 PM



#64
Tetrachloroethene
Concen: 47.524 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion:164 Resp: 443698
Ion Ratio Lower Upper
164 100
166 128.0 102.6 153.8
129 95.4 77.0 115.6
131 91.6 73.7 110.5





#65

Chlorobenzene

Concen: 49.117 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 1151370

Ion Ratio Lower Upper

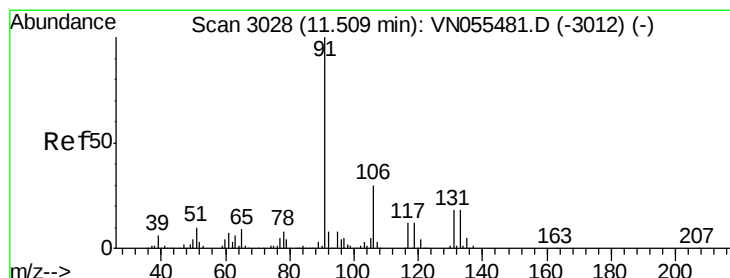
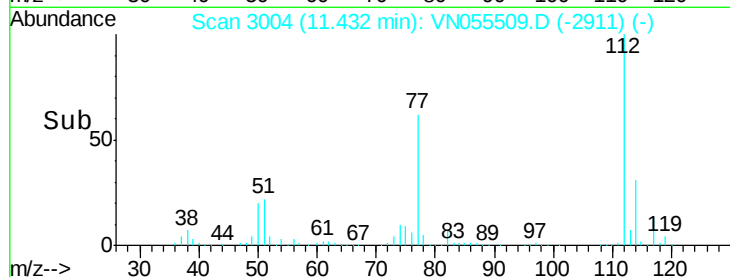
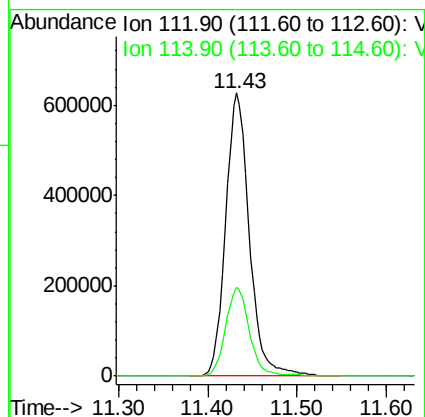
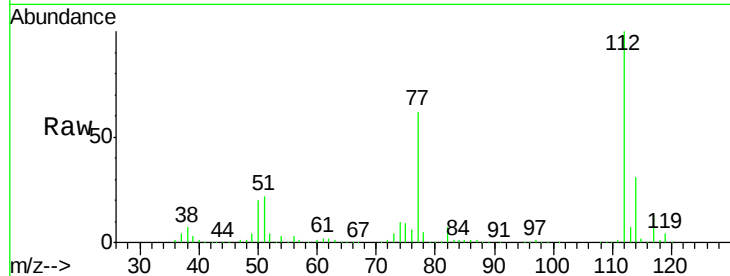
112 100

114 31.3 25.0 37.4

Manual Integrations
APPROVED

MMDadoda

5/10/2019 12:44:01 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 50.871 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

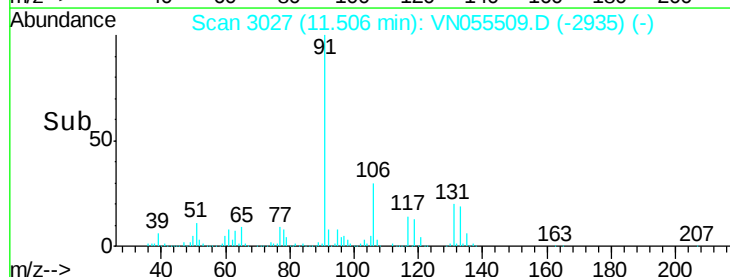
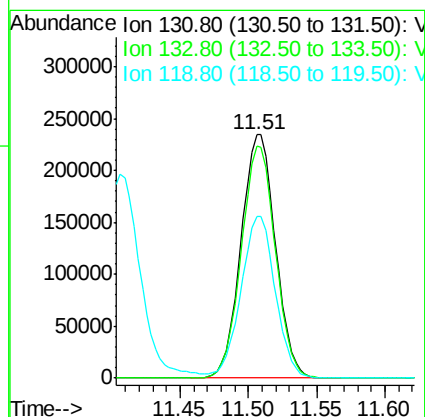
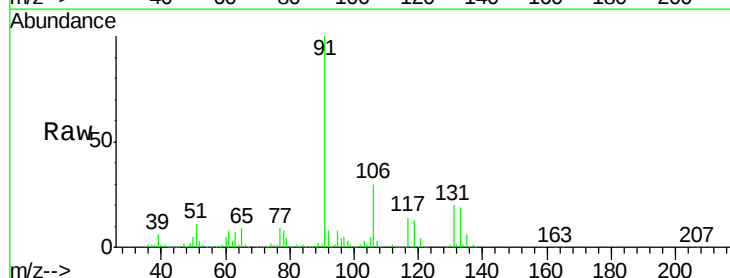
Tgt Ion:131 Resp: 410536

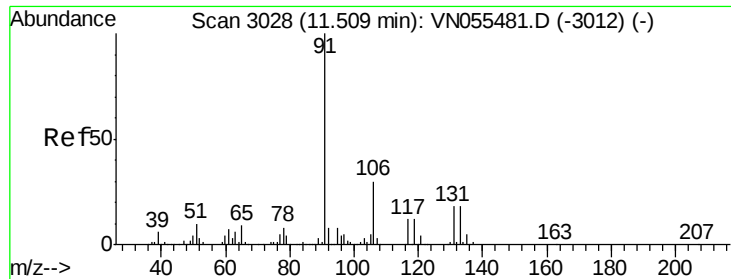
Ion Ratio Lower Upper

131 100

133 94.6 47.4 142.2

119 66.1 34.1 102.2





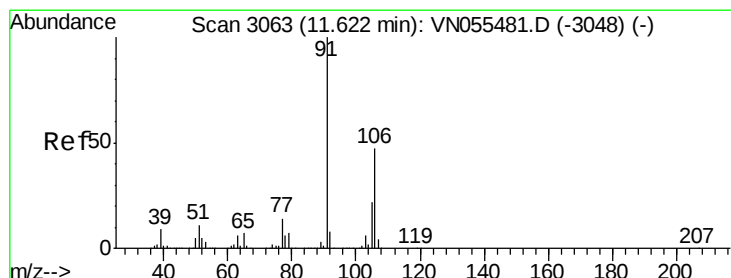
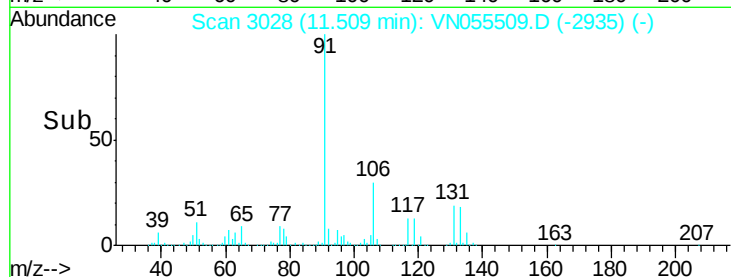
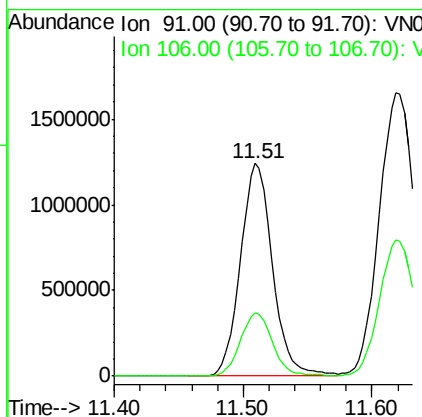
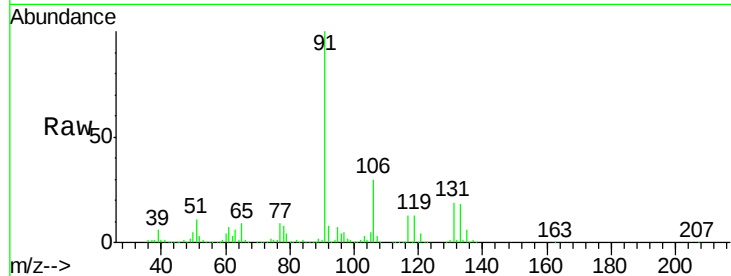
#67
Ethyl Benzene
Concen: 48.965 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2155748
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6

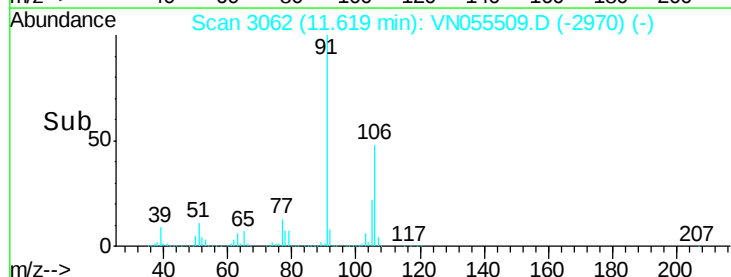
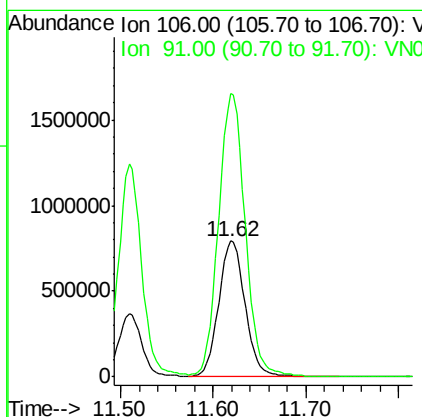
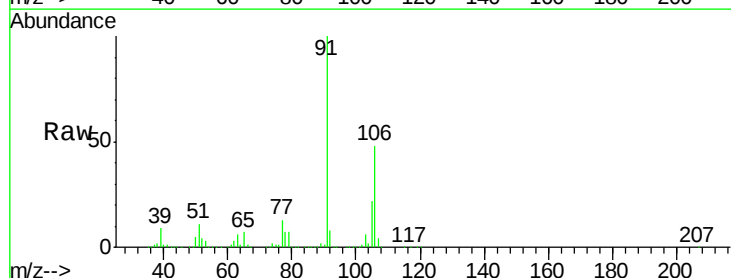
Manual Integrations
APPROVED

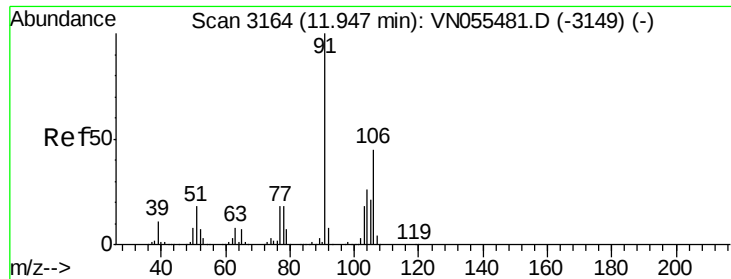
MMDadoda
5/10/2019 12:44:01 PM



#68
m/p-Xylenes
Concen: 99.271 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion: 106 Resp: 1568472
Ion Ratio Lower Upper
106 100
91 210.7 169.2 253.8





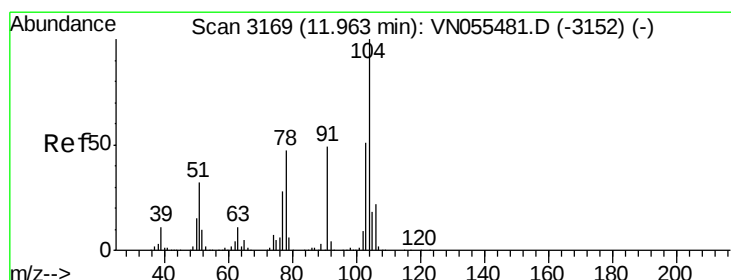
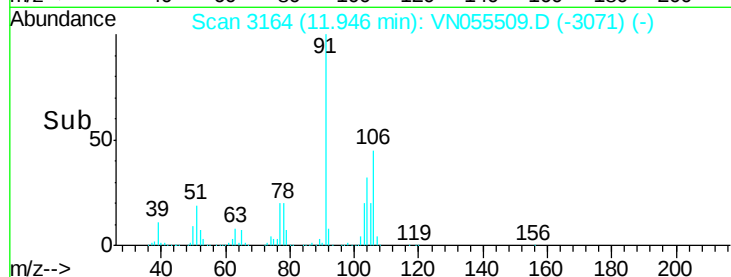
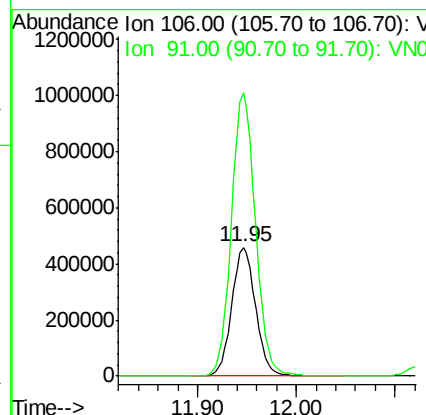
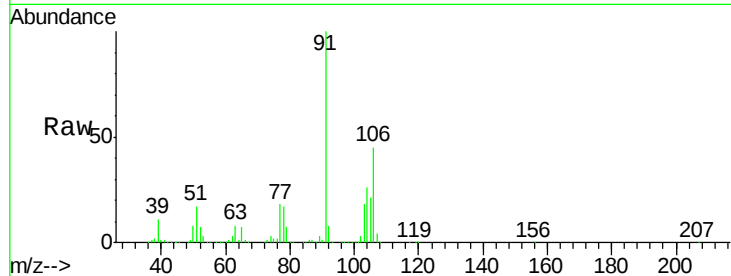
#69
o-Xylene
Concen: 49.750 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	772590		
91	91	221.5	111.3	333.8	

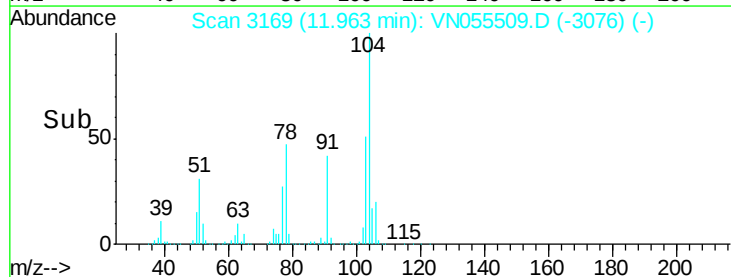
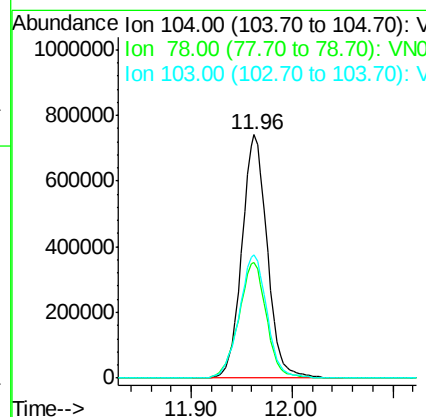
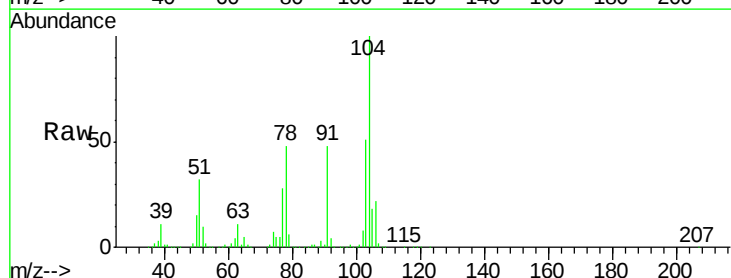
Manual Integrations
APPROVED

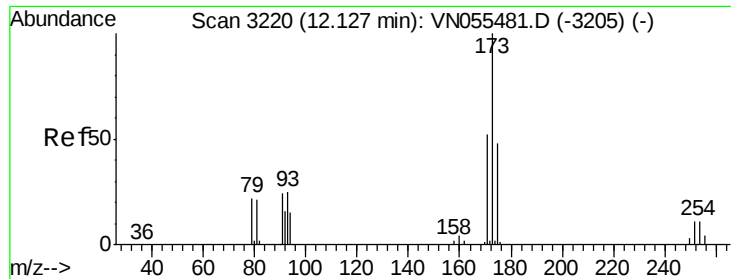
MMDadoda
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#70
Styrene
Concen: 51.792 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	1288581		
78	78	52.0	41.6	62.4	
103	103	55.4	44.4	66.6	





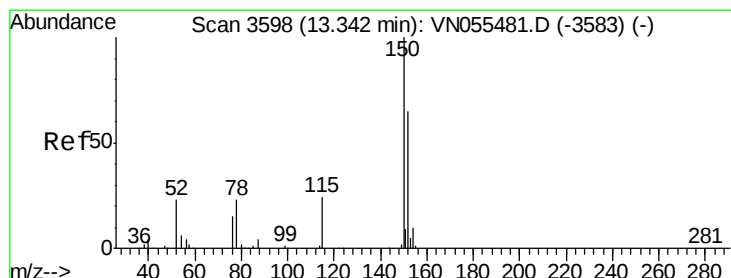
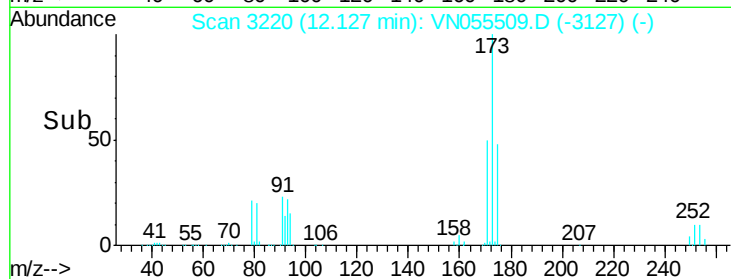
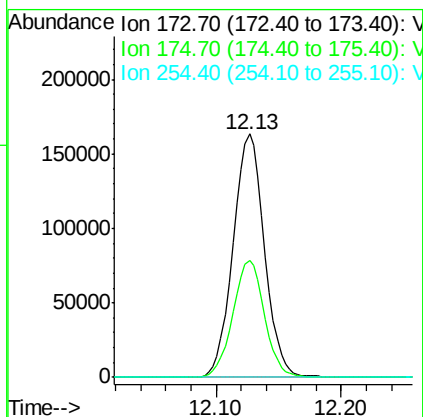
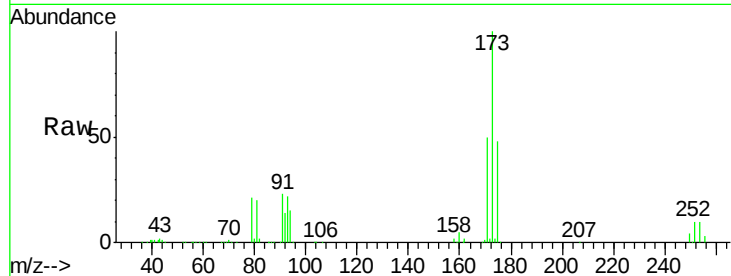
#71
Bromoform
Concen: 51.939 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.4
254	0.0	0.1	0.1#

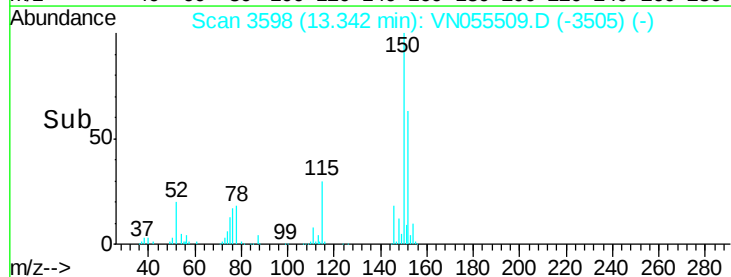
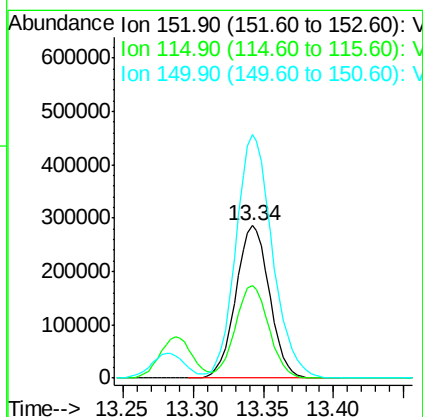
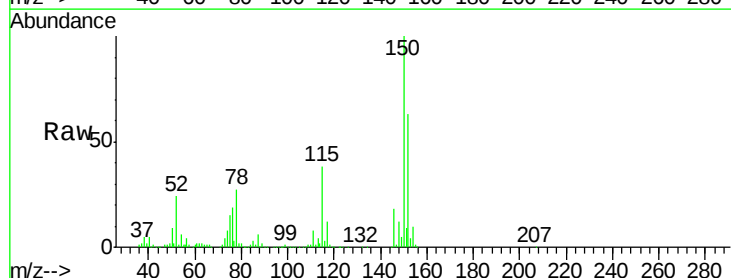
Manual Integrations
APPROVED

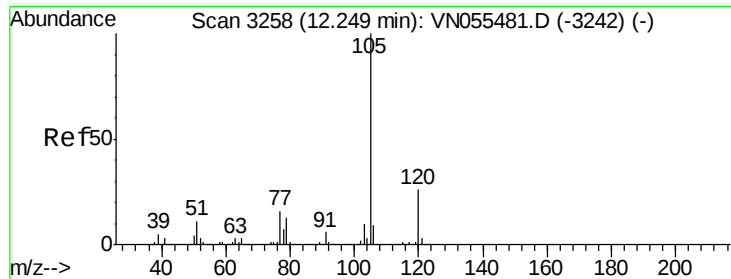
MMDadoda
5/10/2019 12:44:01 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.1	90.5
150	173.1	0.0	355.0





#73

Isopropylbenzene

Concen: 52.005 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2046505

Ion Ratio Lower Upper

105 100

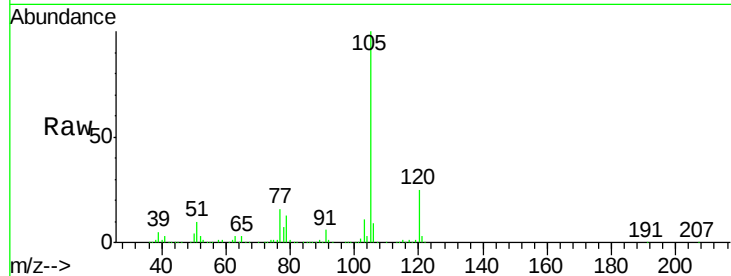
120 25.9 13.0 39.0

Manual Integrations

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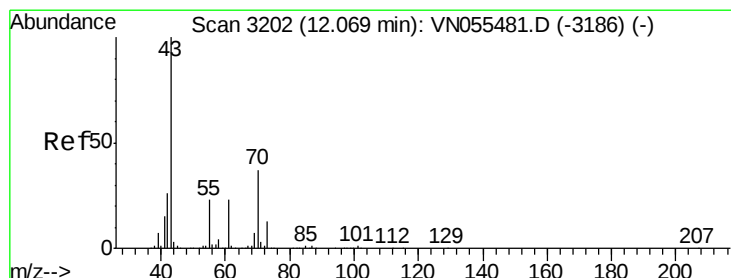
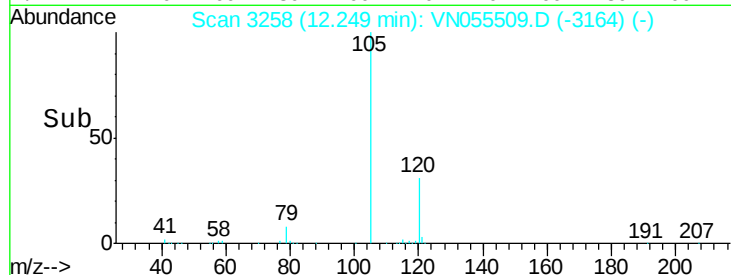
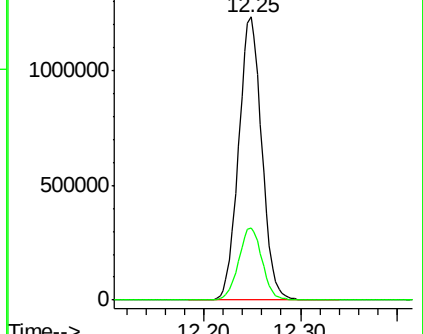
MMDadoda

5/10/2019 12:44:01 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.514 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Tgt Ion: 43 Resp: 826270

Ion Ratio Lower Upper

43 100

70 39.0 30.7 46.1

55 24.8 19.3 28.9

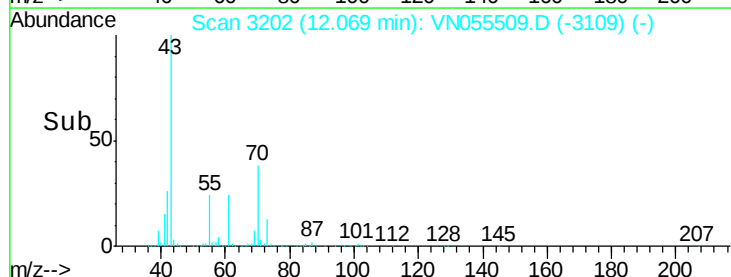
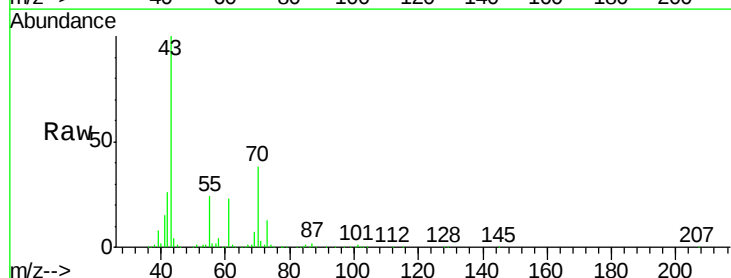
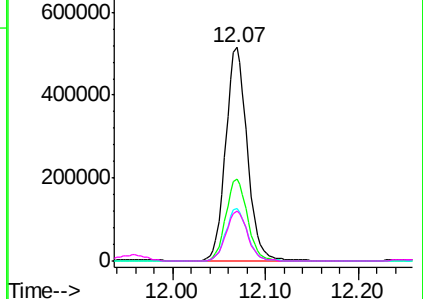
61 23.5 18.6 27.8

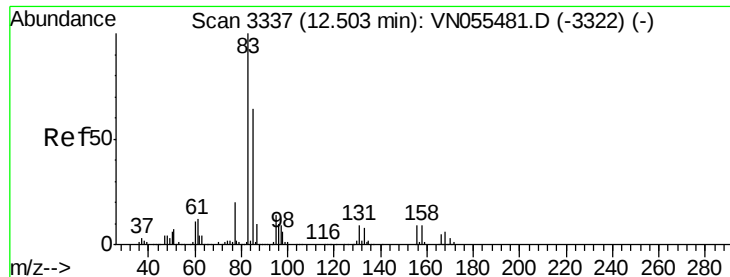
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.110 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 642336
Ion Ratio Lower Upper

83 100

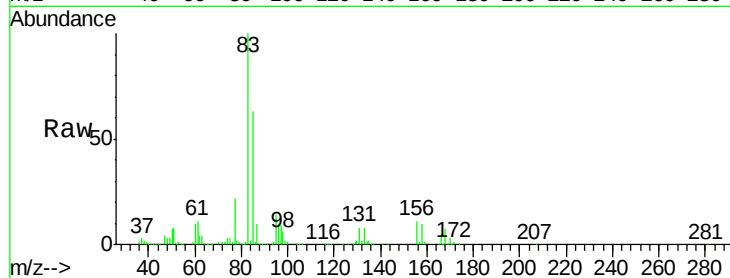
131 9.0 4.5 13.5

85 63.7 32.0 96.0

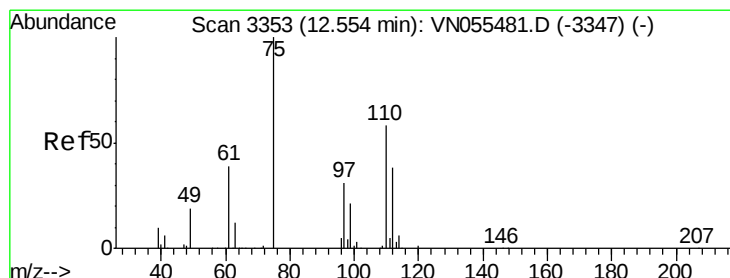
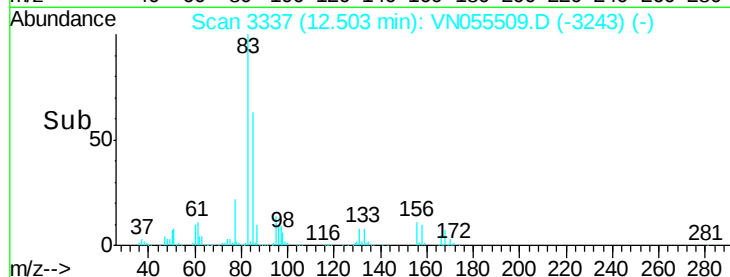
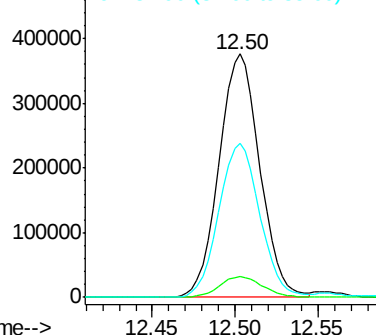
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 43.278 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

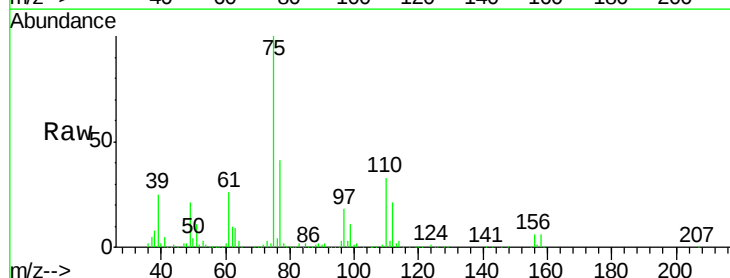
Lab File: VN055509.D

Acq: 9 May 2019 20:14

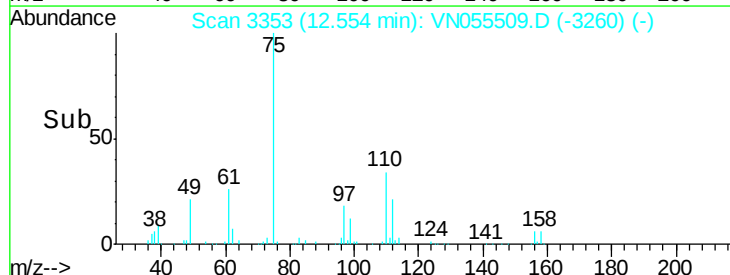
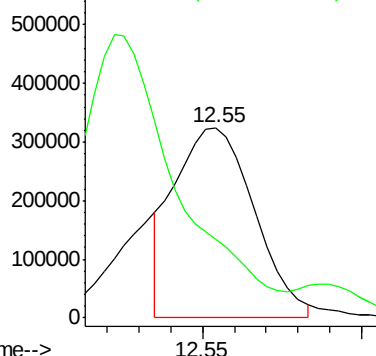
Tgt Ion: 75 Resp: 563375
Ion Ratio Lower Upper

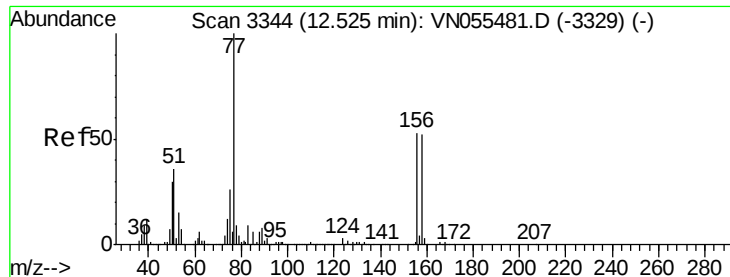
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 44.225 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 466047

Ion Ratio Lower Upper

156 100

77 224.7 115.4 346.2

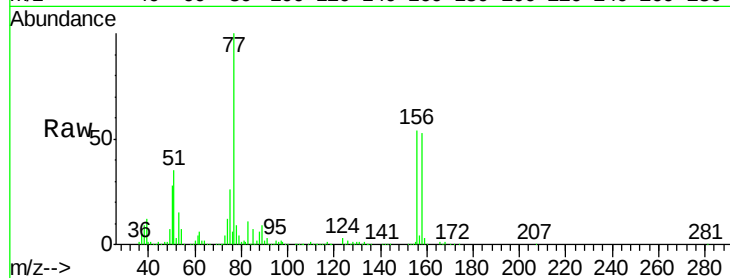
158 98.1 48.7 146.1

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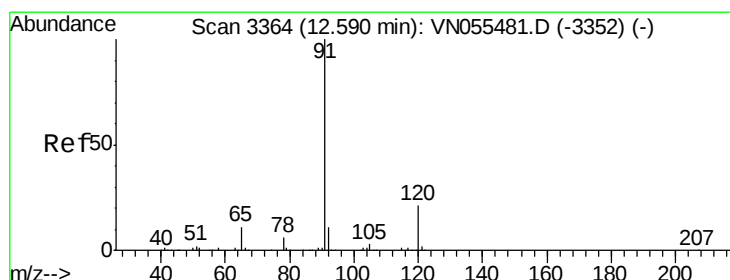
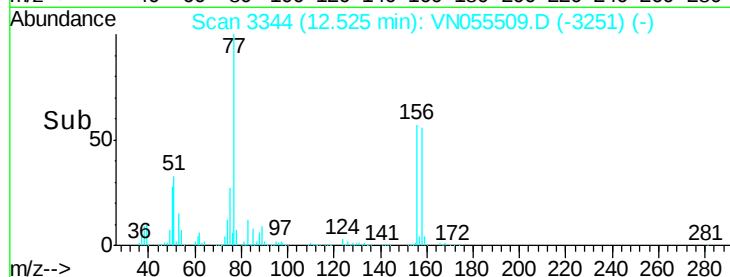
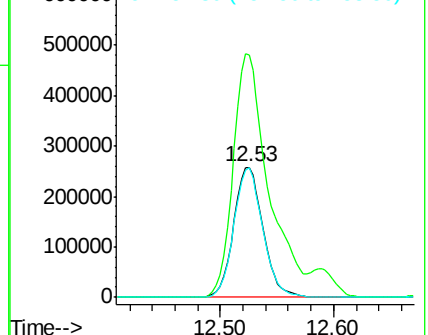
5/10/2019 12:44:01 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.347 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055509.D

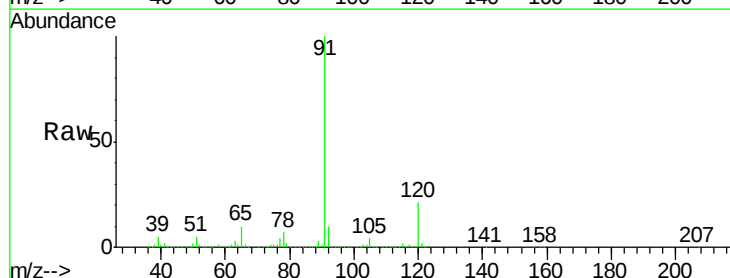
Acq: 9 May 2019 20:14

Tgt Ion: 91 Resp: 2325684

Ion Ratio Lower Upper

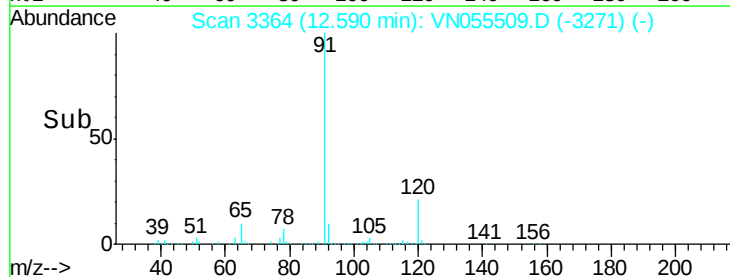
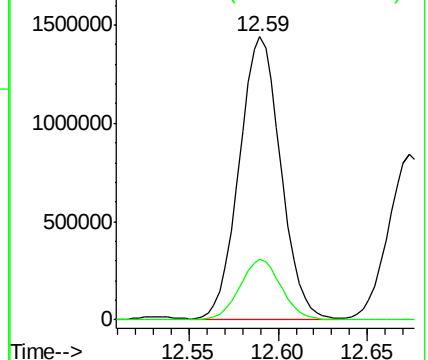
91 100

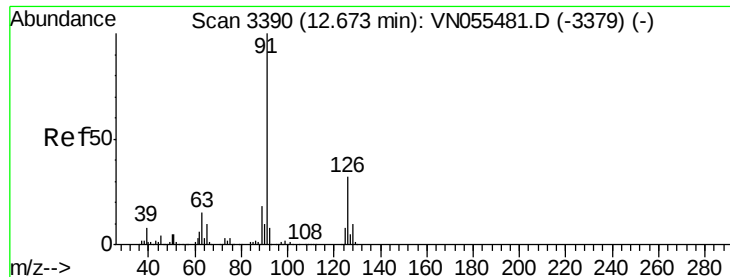
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.893 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1402945

Ion Ratio Lower Upper

91 100

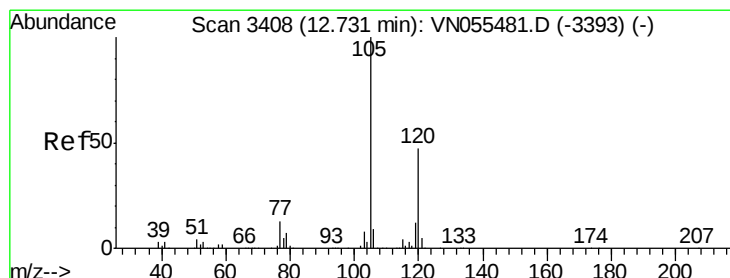
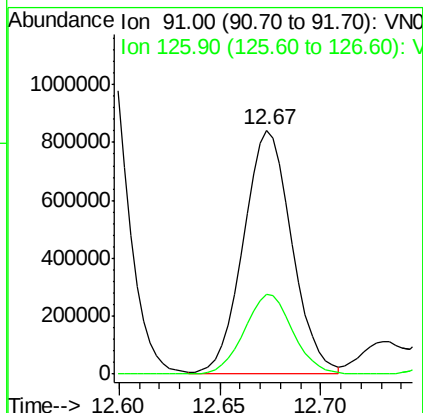
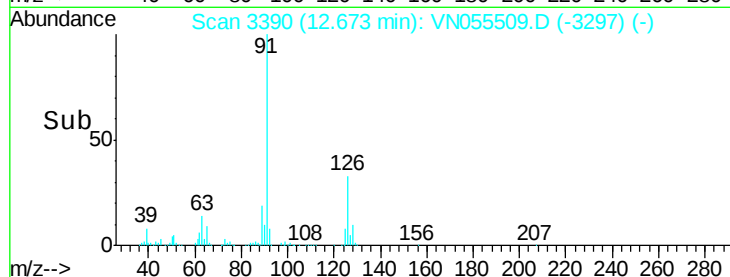
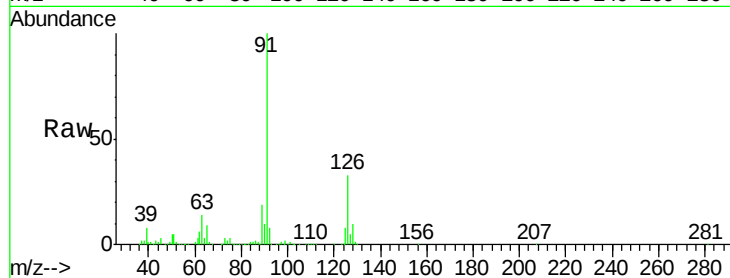
126 33.0 16.0 47.9

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#80

1,3,5-Trimethylbenzene

Concen: 45.318 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055509.D

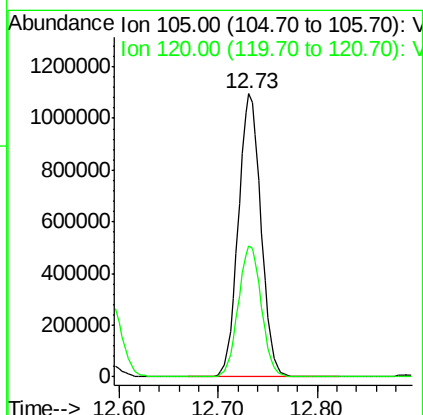
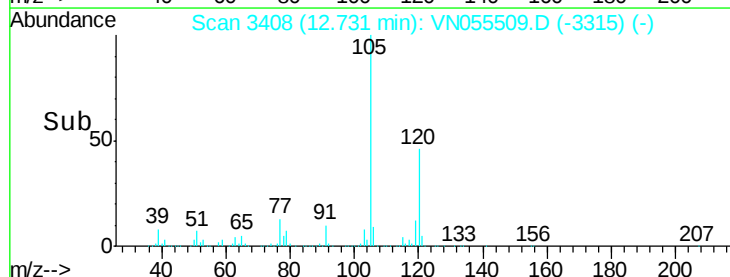
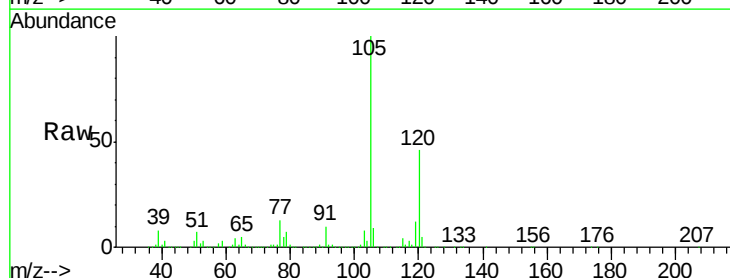
Acq: 9 May 2019 20:14

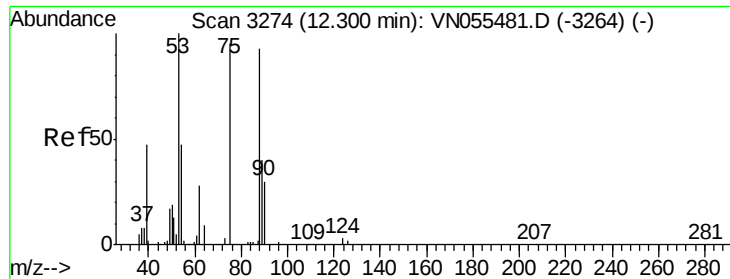
Tgt Ion: 105 Resp: 1733056

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0





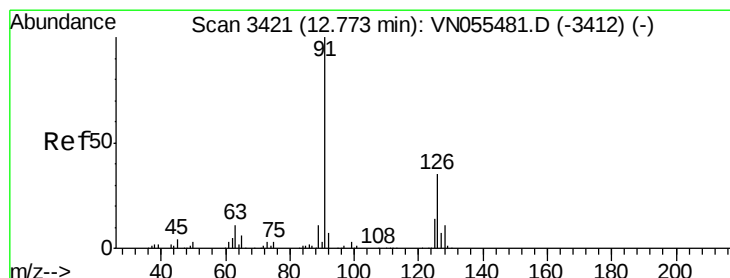
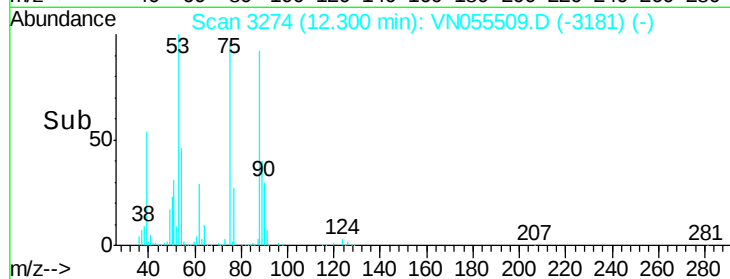
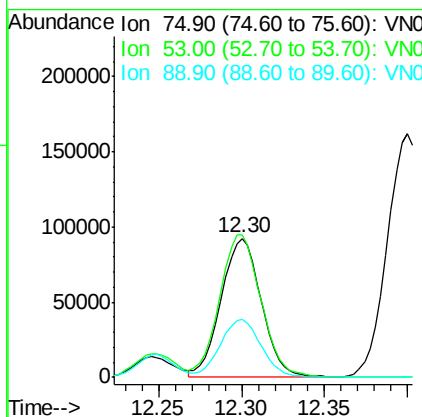
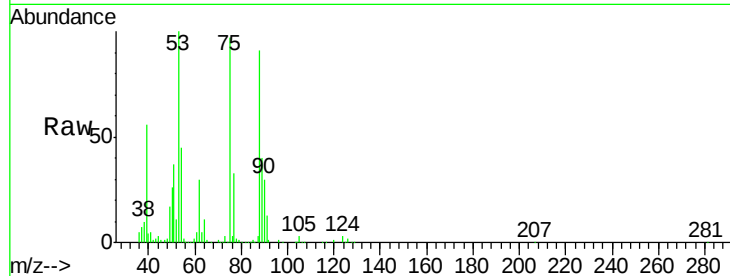
#81
trans-1,4-Dichloro-2-butene
Concen: 43.755 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.9	86.5	129.7
89	42.9	35.7	53.5

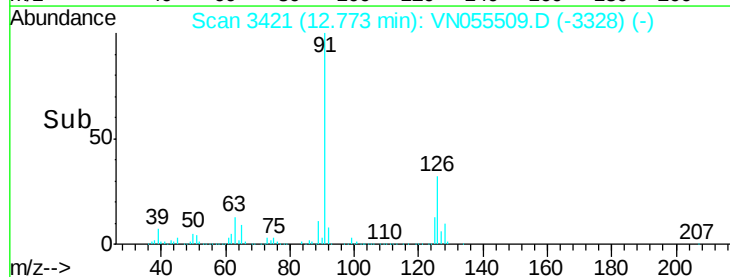
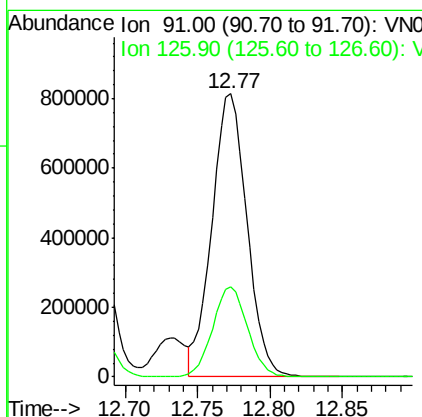
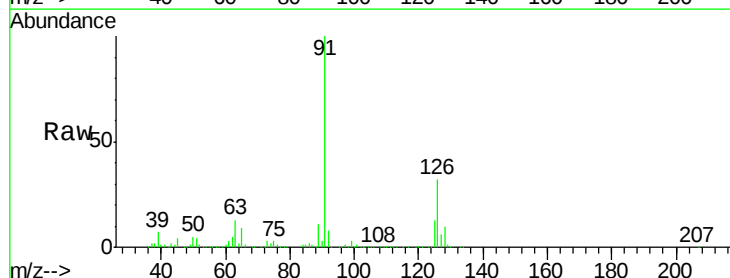
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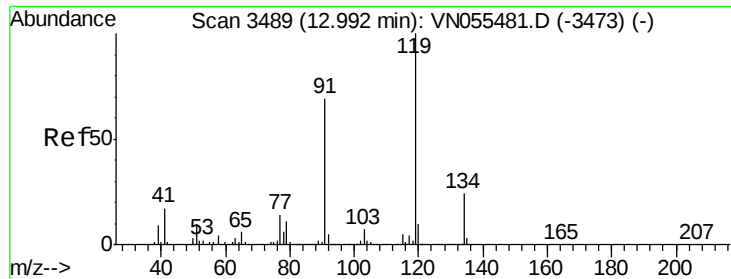
MMDadoda
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#82
4-Chlorotoluene
Concen: 45.331 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.0





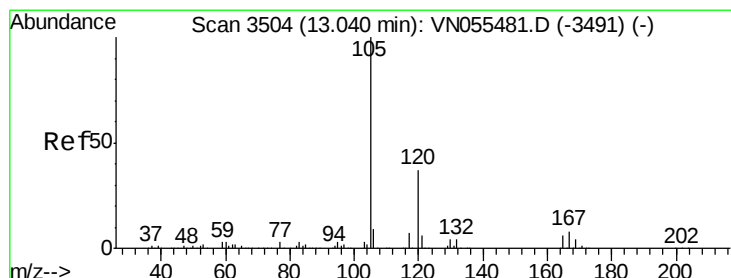
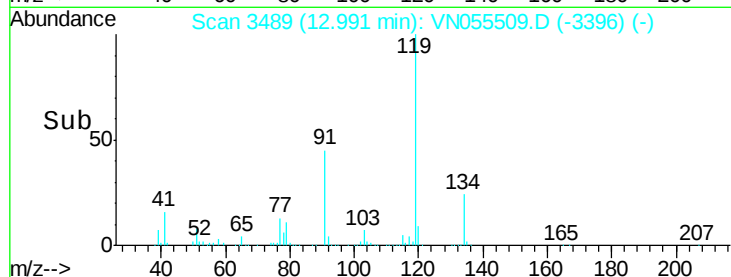
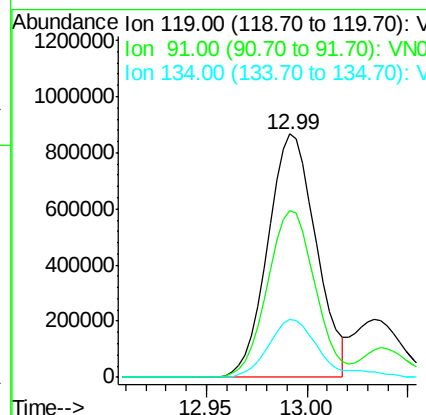
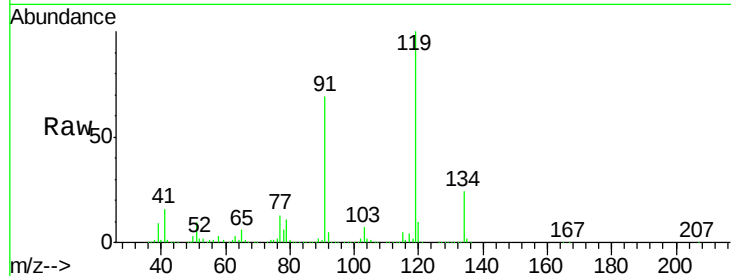
#83
tert-Butylbenzene
Concen: 44.015 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1442768
Ion Ratio Lower Upper
119 100
91 67.6 33.8 101.3
134 25.5 12.5 37.5

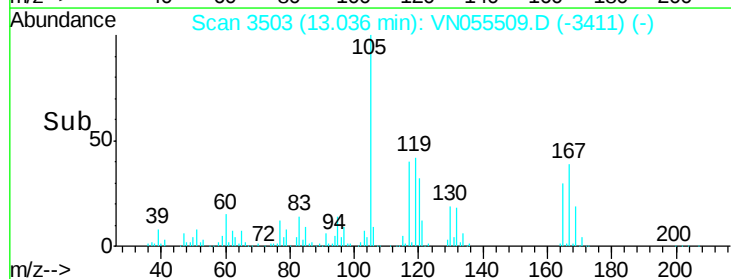
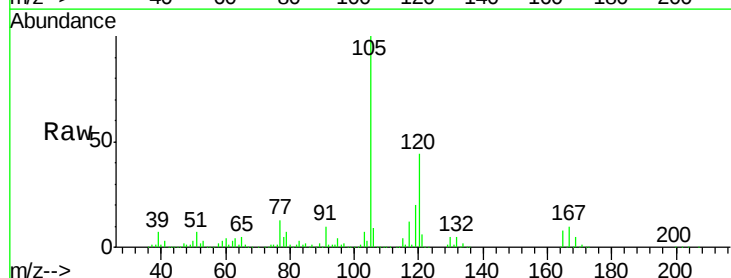
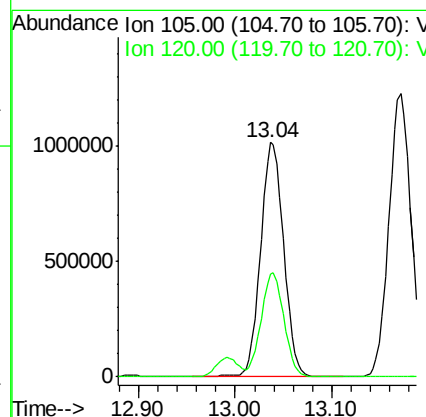
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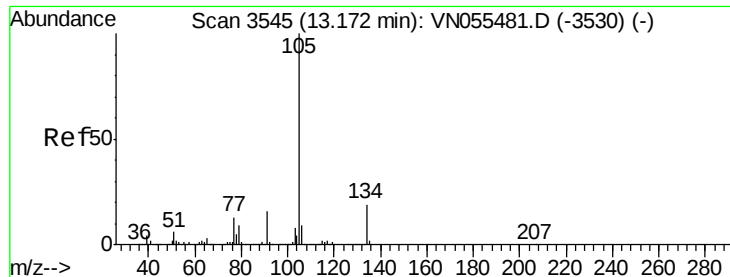
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 48.073 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion:105 Resp: 1686051
Ion Ratio Lower Upper
105 100
120 43.7 22.1 66.5





#85

sec-Butylbenzene

Concen: 44.673 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1946117

Ion Ratio Lower Upper

105 100

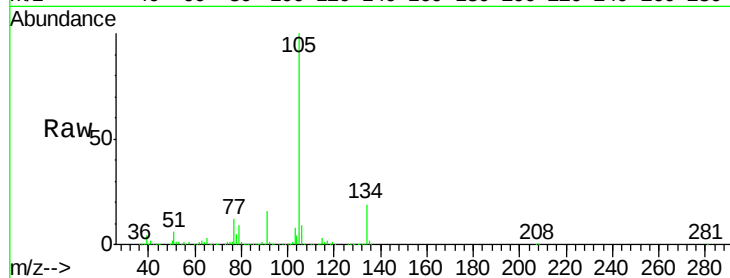
134 18.8 9.3 28.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

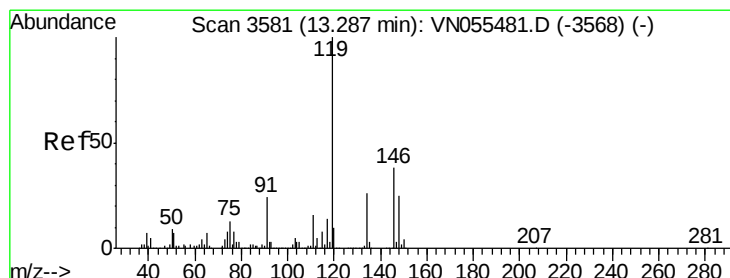
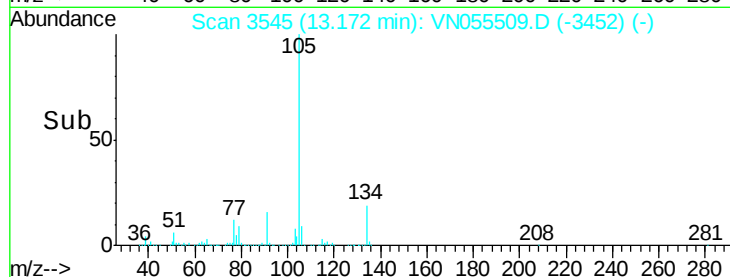
13.17

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.378 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

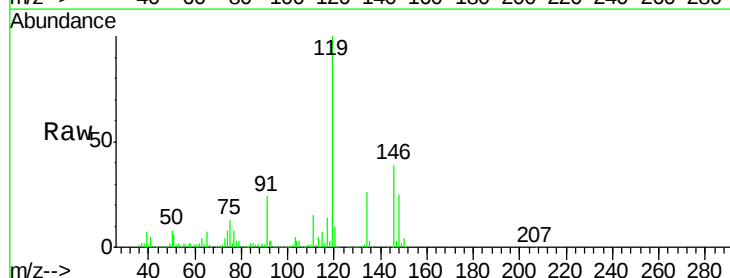
Tgt Ion:119 Resp: 1679735

Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.4

91 23.7 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

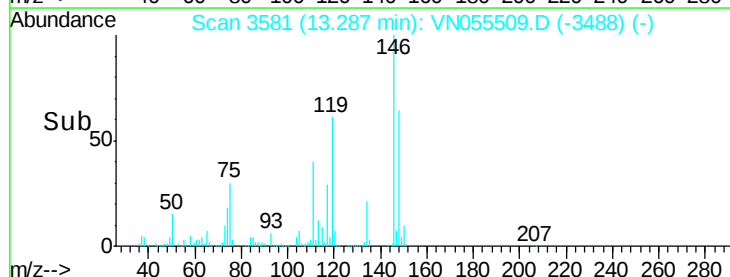
13.29

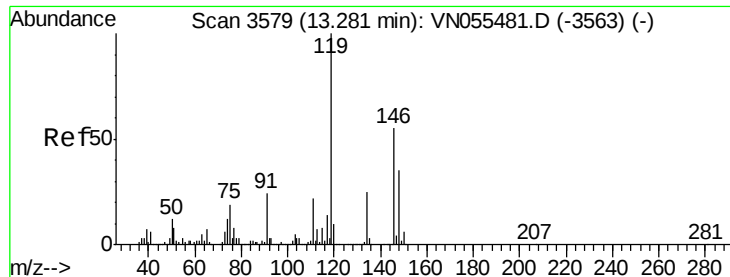
1000000

500000

0

Time-->





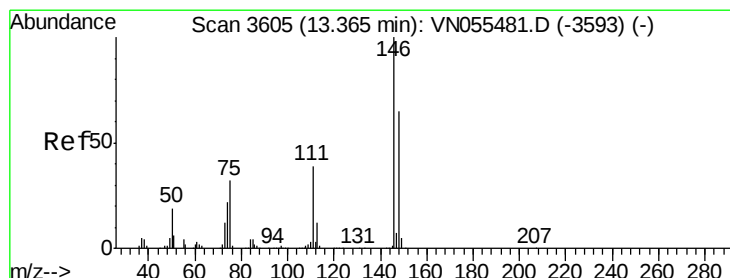
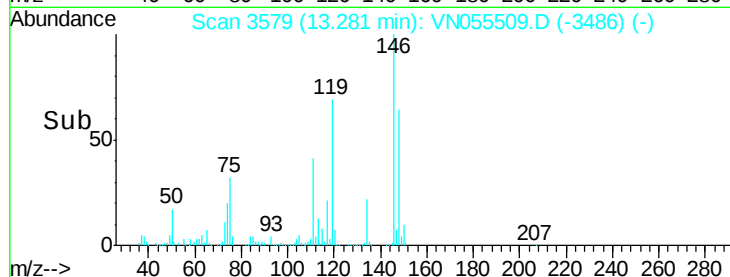
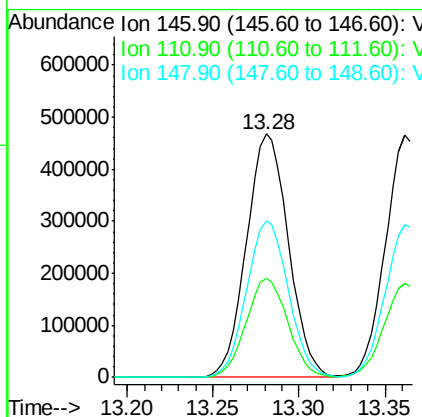
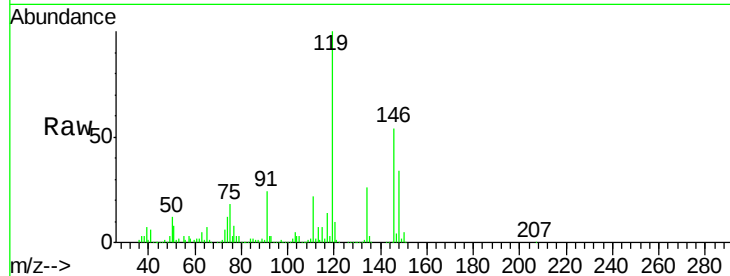
#87
 1,3-Dichlorobenzene
 Concen: 48.771 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.3
148	63.9	32.1	96.5

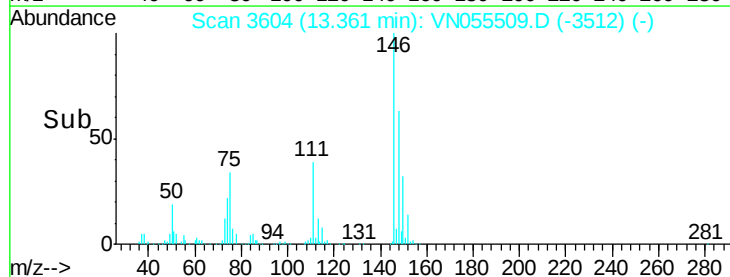
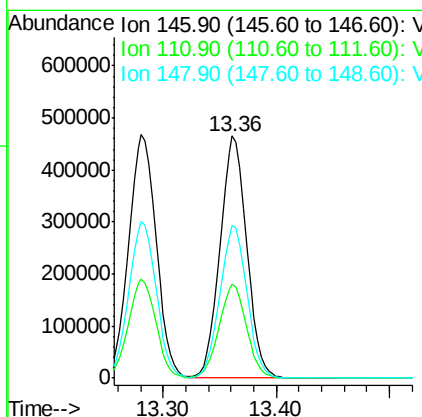
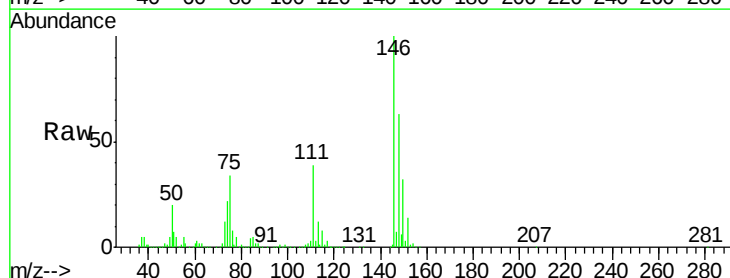
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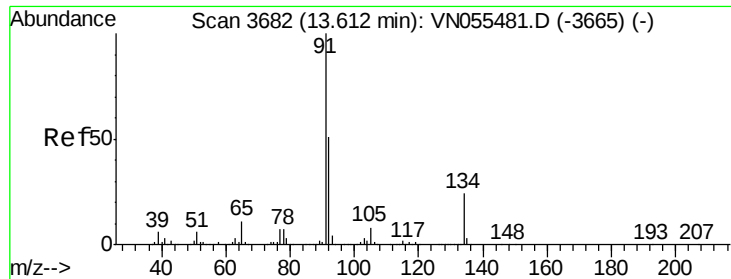
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#88
 1,4-Dichlorobenzene
 Concen: 47.591 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.8
148	64.1	32.5	97.4





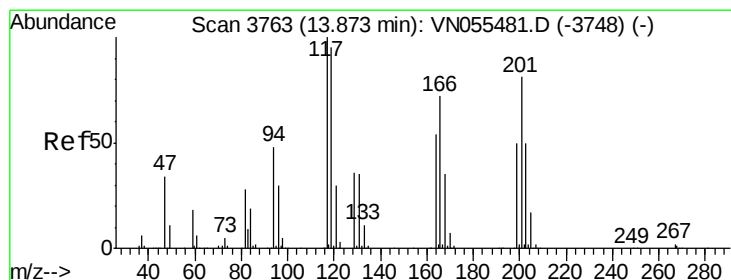
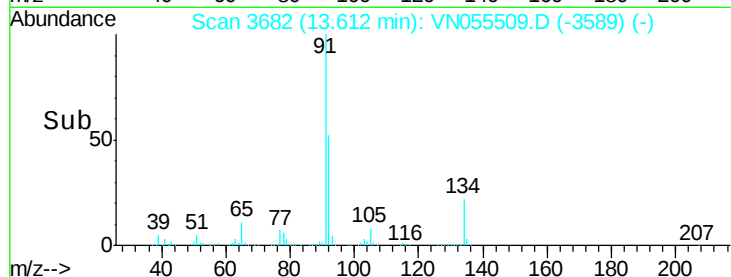
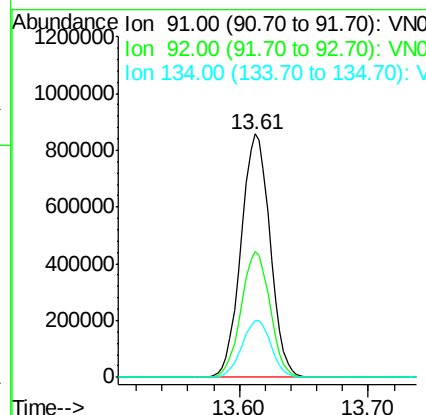
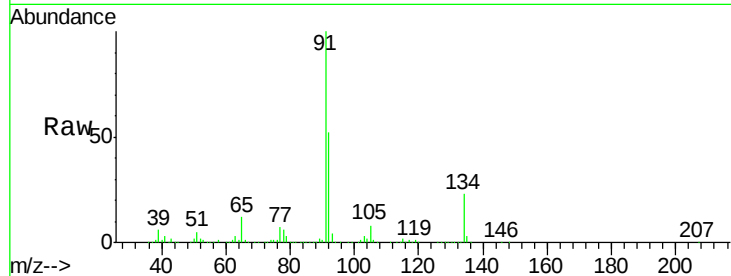
#89
n-Butylbenzene
Concen: 48.729 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1339135
Ion Ratio Lower Upper
91 100
92 51.5 25.9 77.7
134 23.6 11.8 35.4

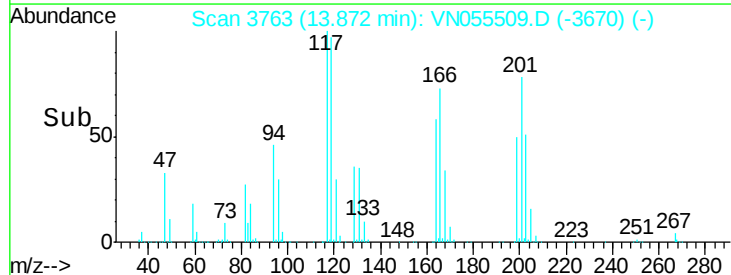
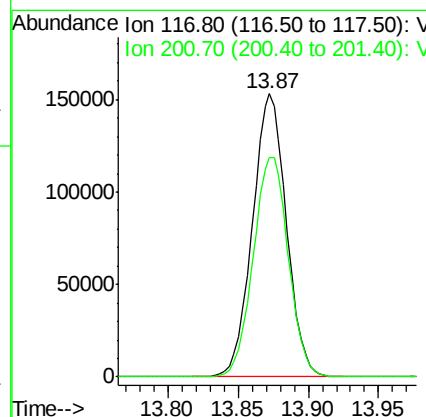
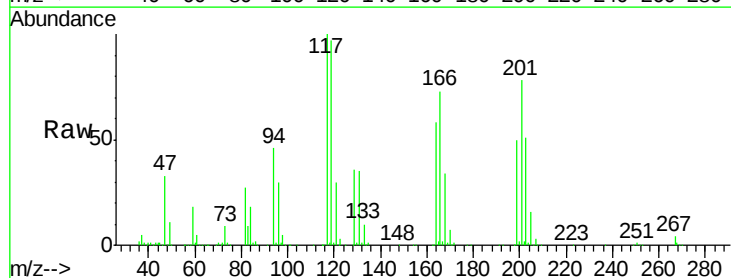
Manual Integrations
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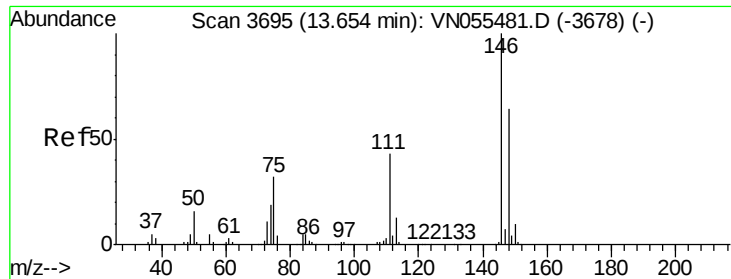
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#90
Hexachloroethane
Concen: 44.496 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055509.D
Acq: 9 May 2019 20:14

Tgt Ion: 117 Resp: 257339
Ion Ratio Lower Upper
117 100
201 80.3 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 47.984 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

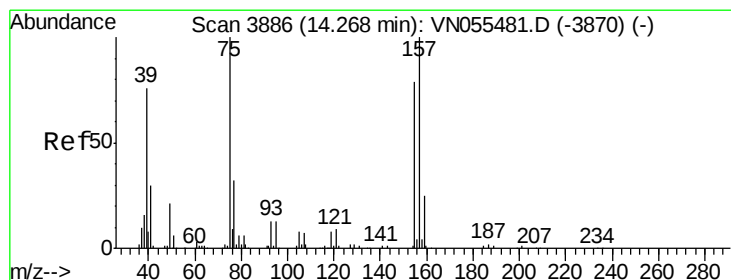
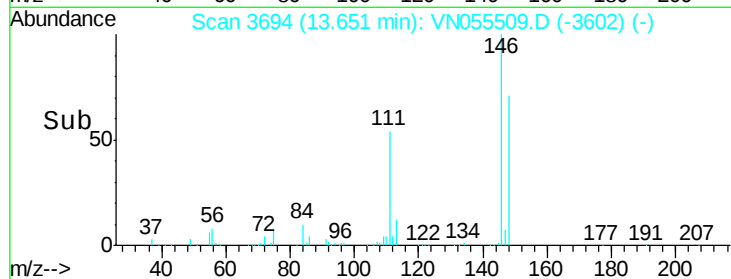
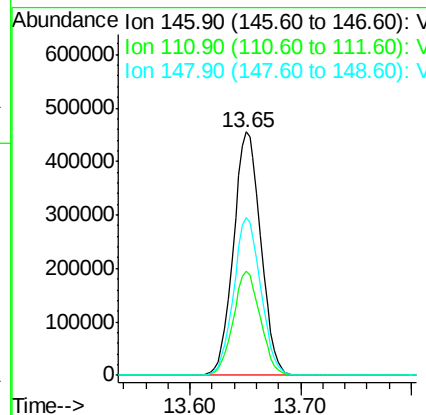
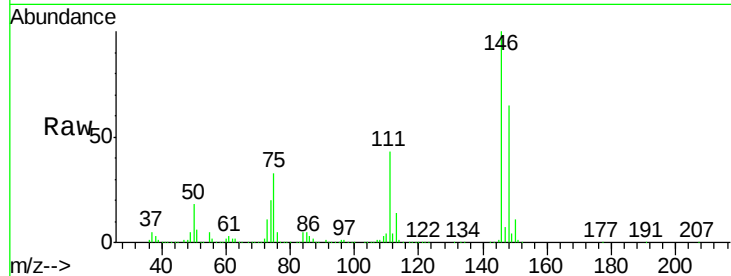
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	780901
Ion Ratio	Lower	Upper	
146	100		
111	42.4	21.3	63.7
148	64.4	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
5/10/2019 12:44:01 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.234 ug/l

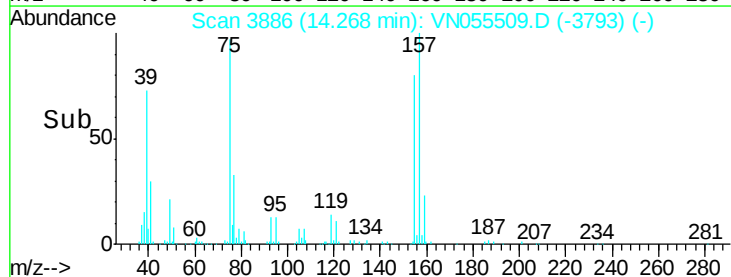
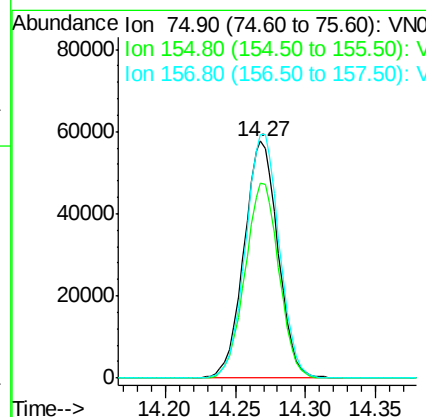
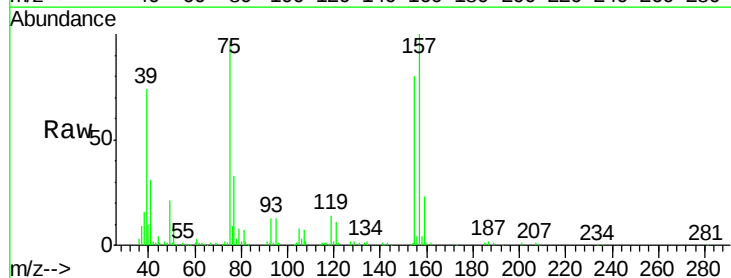
RT: 14.27 min Scan# 3886

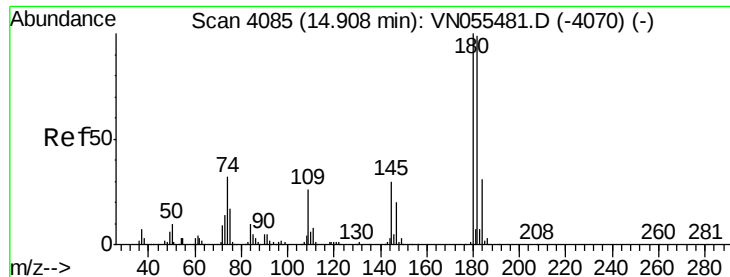
Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Tgt Ion:	75	Resp:	97264
Ion Ratio	Lower	Upper	
75	100		
155	81.9	39.3	117.8
157	102.3	50.6	151.8





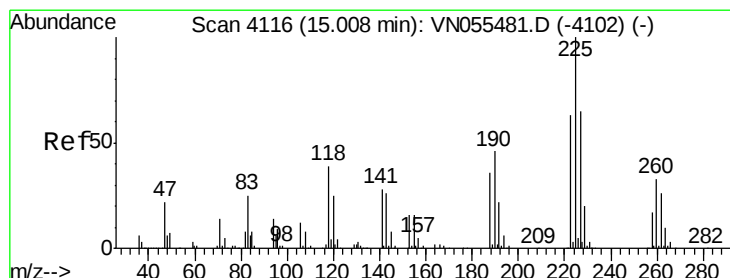
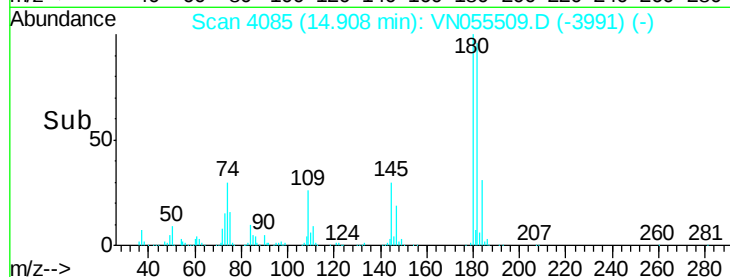
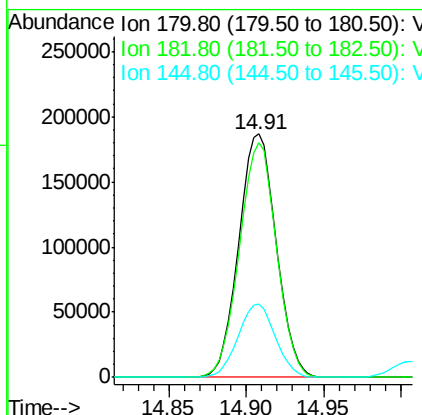
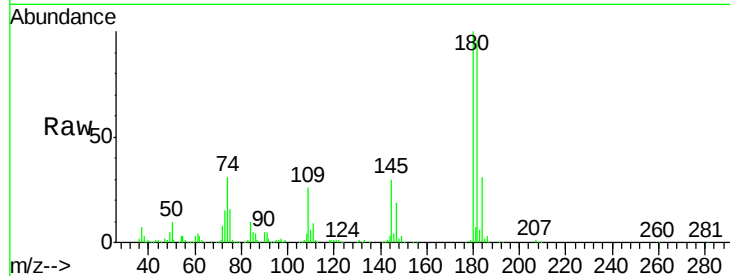
#93
 1,2,4-Trichlorobenzene
 Concen: 44.787 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	314833		
182	95.4	48.7	146.1	
145	30.0	15.3	45.9	

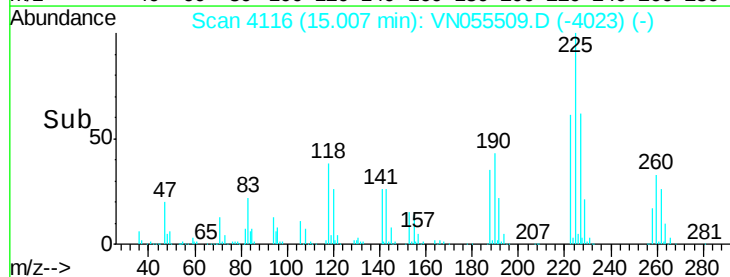
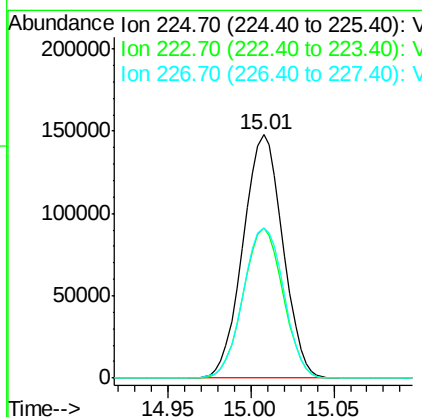
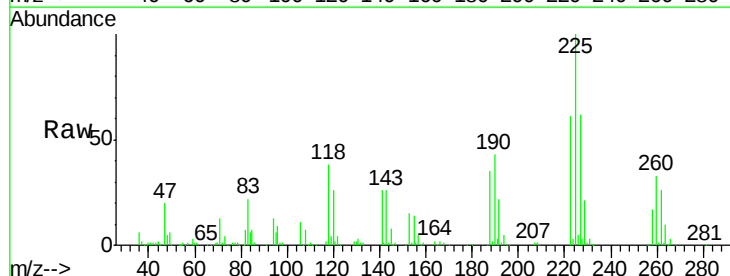
Manual Integrations
 APPROVED

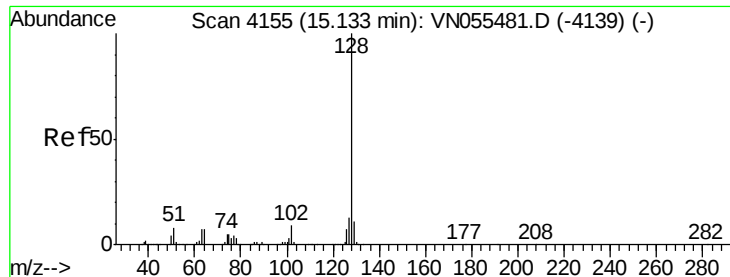
MMDadoda
 5/10/2019 12:44:01 PM



#94
 Hexachlorobutadiene
 Concen: 51.161 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055509.D
 Acq: 9 May 2019 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	246132		
223	62.0	31.4	94.3	
227	63.4	32.0	96.0	





#95

Naphthalene

Concen: 41.612 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Instrument :

MSVOA_N

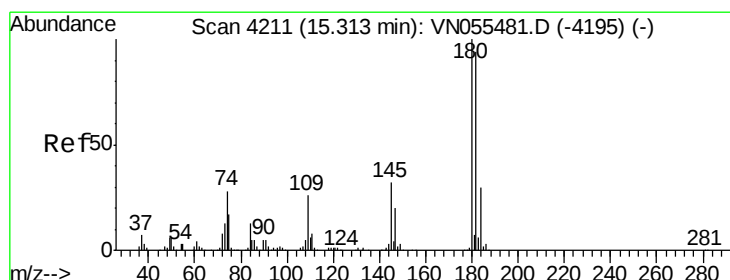
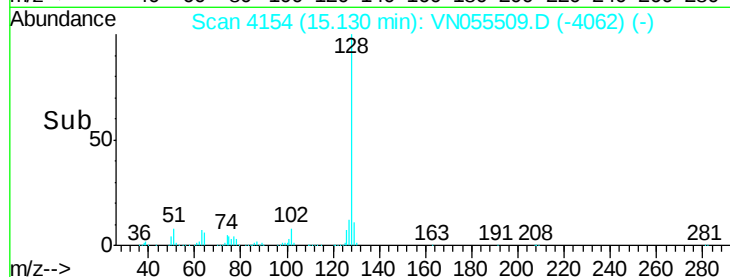
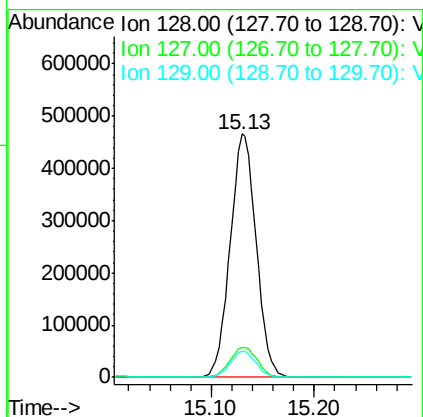
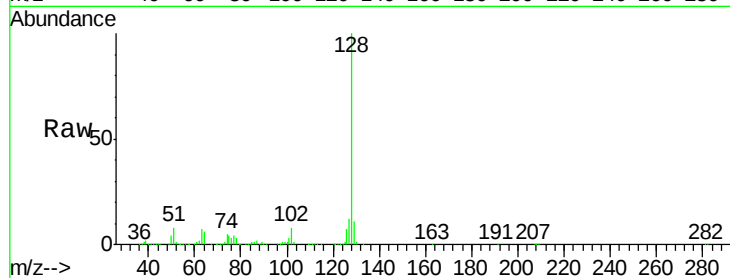
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	819188
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.0	15.0
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/10/2019 12:44:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 44.141 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055509.D

Acq: 9 May 2019 20:14

Tgt Ion:	180	Resp:	336414
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.1	141.3
145	32.6	15.8	47.4

