

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091319\
 Data File : VN057973.D
 Acq On : 12 Sep 2019 16:39
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:05:49 PM

Quant Time: Sep 13 05:45:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	390962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	626379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	372978	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	407183	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.57	113	292676	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.08	98	1200235	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
62) 4-Bromofluorobenzene	12.41	95	437722	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	257645	47.652	ug/l	100
3) Chloromethane	2.03	50	213914	38.818	ug/l	98
4) Vinyl Chloride	2.16	62	238432	40.881	ug/l	98
5) Bromomethane	2.51	94	135353	41.988	ug/l	98
6) Chloroethane	2.66	64	152686	41.083	ug/l	99
7) Trichlorofluoromethane	2.98	101	290373	39.562	ug/l	96
8) Diethyl Ether	3.38	74	134737	44.013	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	209463	45.239	ug/l	100
10) Methyl Iodide	3.92	142	210076	40.772	ug/l	100
11) Tert butyl alcohol	4.77	59	220109	229.661	ug/l	100
12) 1,1-Dichloroethene	3.71	96	175576	42.175	ug/l	95
13) Acrolein	3.58	56	132007	162.349	ug/l	99
14) Allyl chloride	4.29	41	356060	43.704	ug/l	99
15) Acrylonitrile	4.96	53	634778	240.969	ug/l	99
16) Acetone	3.79	43	651581	251.007	ug/l	97
17) Carbon Disulfide	4.02	76	258216	39.884	ug/l	100
18) Methyl Acetate	4.30	43	342503	49.485	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	821644	47.425	ug/l	98
20) Methylene Chloride	4.52	84	240991	48.735	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	192161	42.700	ug/l	98
22) Diisopropyl ether	5.93	45	922755	48.297	ug/l	99
23) Vinyl Acetate	5.87	43	3410363	251.868	ug/l	100
24) 1,1-Dichloroethane	5.82	63	475745	45.562	ug/l	100
25) 2-Butanone	6.82	43	934823	248.812	ug/l	98
26) 2,2-Dichloropropane	6.80	77	394077	47.689	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	270273	44.814	ug/l	97
28) Bromochloromethane	7.18	49	254513	48.789	ug/l	99
29) Tetrahydrofuran	7.19	42	562043	242.766	ug/l	99
30) Chloroform	7.35	83	503152	46.085	ug/l	98
31) Cyclohexane	7.63	56	338126	47.402	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	399852	46.178	ug/l	99
36) 1,1-Dichloropropene	7.77	75	317878	43.759	ug/l	99
37) Ethyl Acetate	6.91	43	359185	47.857	ug/l	100
38) Carbon Tetrachloride	7.76	117	317355	47.850	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	337268	44.165	ug/l	98
40) Benzene	8.02	78	1021477	46.706	ug/l	99
41) Methacrylonitrile	7.16	41	178075	52.268	ug/l	93
42) 1,2-Dichloroethane	8.11	62	418978	47.901	ug/l	99
43) Isopropyl Acetate	8.15	43	623368	49.389	ug/l #	91
44) Trichloroethene	8.82	130	244589	45.597	ug/l	99
45) 1,2-Dichloropropane	9.11	63	302213	47.488	ug/l	98
46) Dibromomethane	9.20	93	184087	47.869	ug/l	100
47) Bromodichloromethane	9.40	83	390445	50.844	ug/l	98
48) Methyl methacrylate	9.19	41	313546	48.972	ug/l	98
49) 1,4-Dioxane	9.19	88	99612	920.012	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1976769	264.659	ug/l	99
52) Toluene	10.15	92	644413	46.782	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	412181	50.970	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	450066	50.409	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	285331	48.901	ug/l	99
56) Ethyl methacrylate	10.43	69	444196	50.553	ug/l	99
57) 1,3-Dichloropropane	10.71	76	487861	48.516	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	837736	202.427	ug/l	100
59) 2-Hexanone	10.75	43	1505411	268.901	ug/l	99
60) Dibromochloromethane	10.90	129	279968	51.672	ug/l	100
61) 1,2-Dibromoethane	11.00	107	275188	49.886	ug/l	100
64) Tetrachloroethene	10.63	164	196798	44.426	ug/l	99
65) Chlorobenzene	11.44	112	737110	46.945	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	264861	48.613	ug/l	97
67) Ethyl Benzene	11.51	91	1342538	48.789	ug/l	100
68) m/p-Xylenes	11.62	106	986461	97.867	ug/l	99
69) o-Xylene	11.95	106	487924	48.692	ug/l	99
70) Styrene	11.97	104	870347	50.468	ug/l	100
71) Bromoform	12.13	173	178650	52.593	ug/l	99
73) Isopropylbenzene	12.25	105	1380170	47.688	ug/l	100
74) N-amyl acetate	12.07	43	608072	48.277	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	449920	46.171	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	388622m	46.059	ug/l	
77) Bromobenzene	12.53	156	319022	44.211	ug/l	99
78) n-propylbenzene	12.60	91	1609015	48.414	ug/l	100
79) 2-Chlorotoluene	12.68	91	966158	45.996	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	1189325	48.635	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	118687	49.501	ug/l	96
82) 4-Chlorotoluene	12.78	91	1004966	46.589	ug/l	100
83) tert-Butylbenzene	13.00	119	1020636	46.953	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1191335	47.933	ug/l	99
85) sec-Butylbenzene	13.18	105	1390968	48.278	ug/l	100
86) p-Isopropyltoluene	13.30	119	1264700	49.819	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	617013	46.586	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	613523	45.635	ug/l	99
89) n-Butylbenzene	13.62	91	1177377	49.112	ug/l	100
90) Hexachloroethane	13.88	117	189496	50.192	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	614449	46.437	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	80807	50.213	ug/l	99

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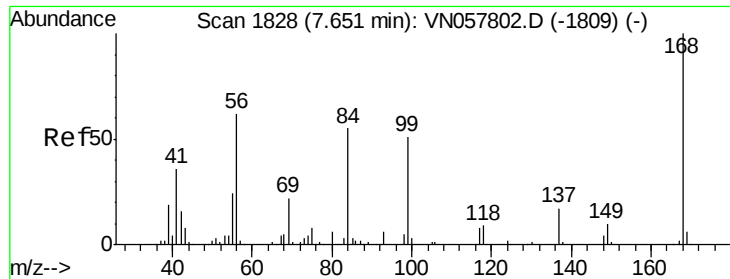
Manual Integrations
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9/13/2019 1:05:49 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	382560	44.233	ug/l	99
94) Hexachlorobutadiene	15.02	225	174399	47.569	ug/l	97
95) Naphthalene	15.13	128	1083115	49.594	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	363050	48.122	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 390962

Ion Ratio Lower Upper

168 100

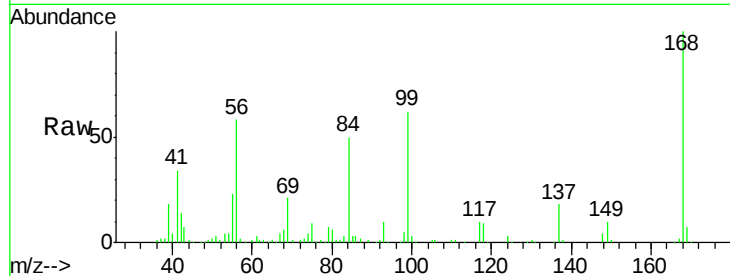
99 61.8 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

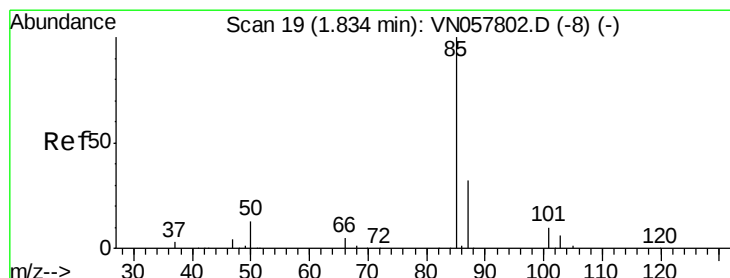
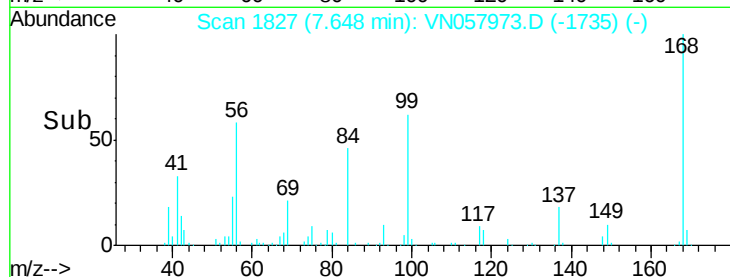
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 47.652 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057973.D

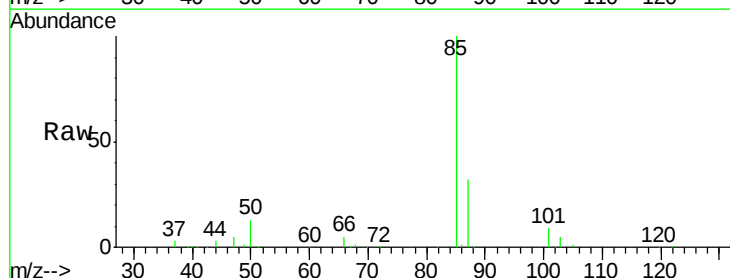
Acq: 12 Sep 2019 16:39

Tgt Ion: 85 Resp: 257645

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

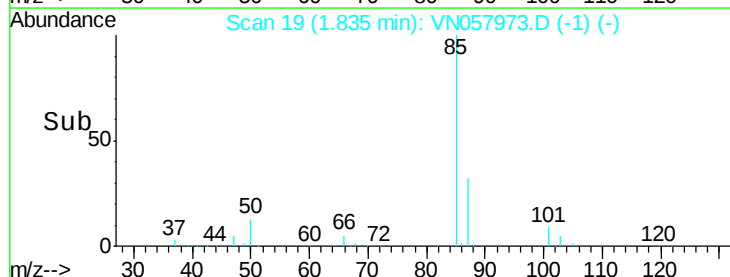
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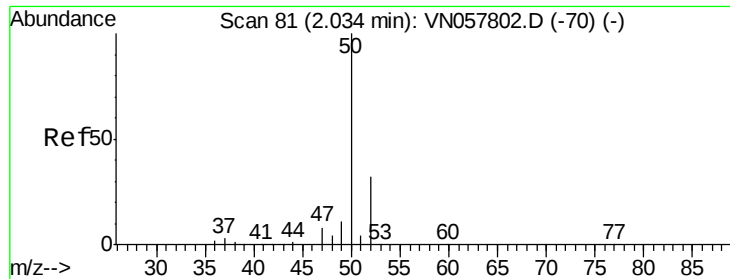
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 38.818 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 213914

Ion Ratio Lower Upper

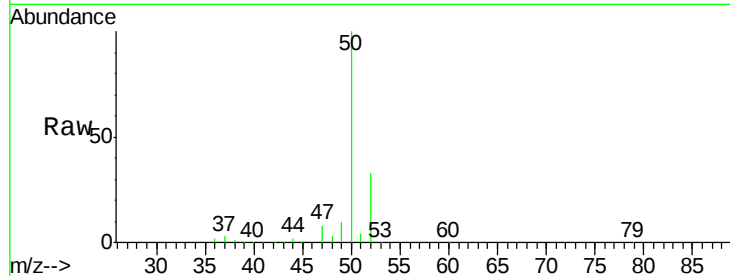
50 100

52 32.8 25.5 38.3

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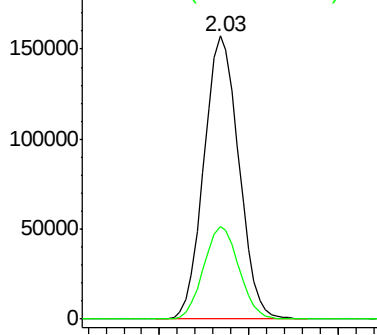
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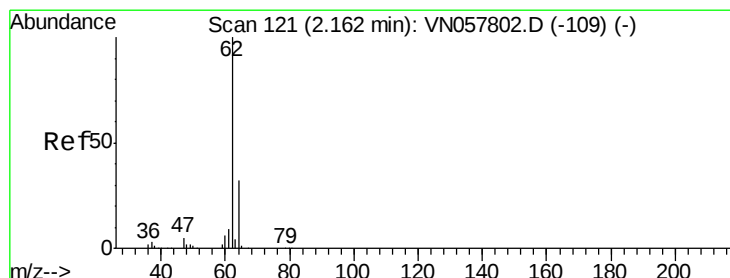
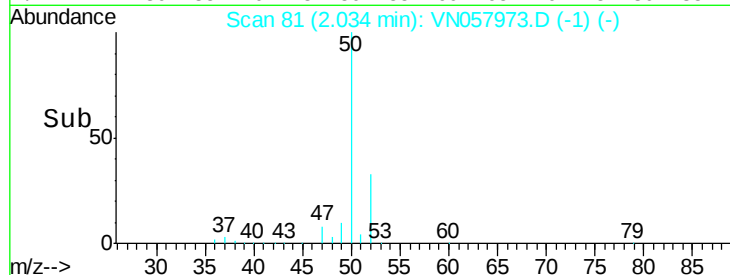


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 40.881 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN057973.D

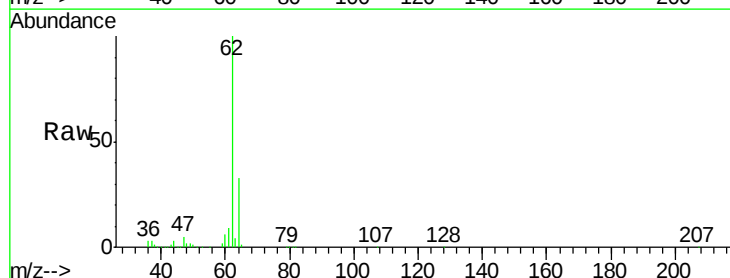
Acq: 12 Sep 2019 16:39

Tgt Ion: 62 Resp: 238432

Ion Ratio Lower Upper

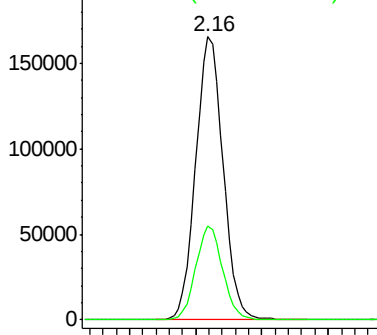
62 100

64 33.0 25.6 38.4

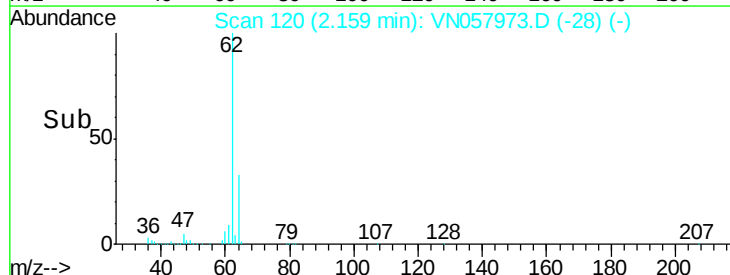


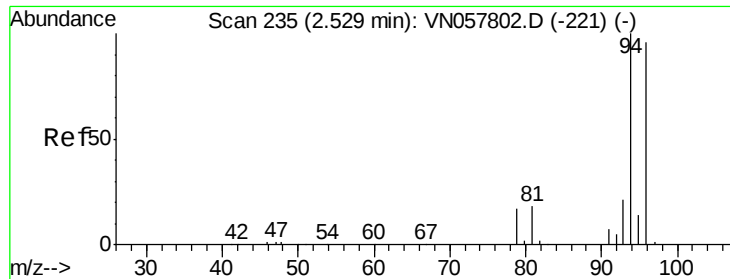
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 41.988 ug/l

RT: 2.51 min Scan# 230

Delta R.T. -0.02 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 135353

Ion Ratio Lower Upper

94 100

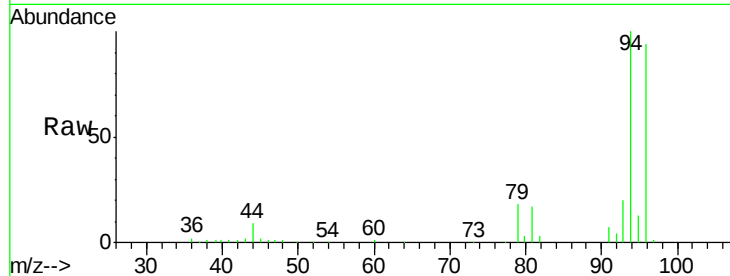
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Manual Integrations

APPROVED

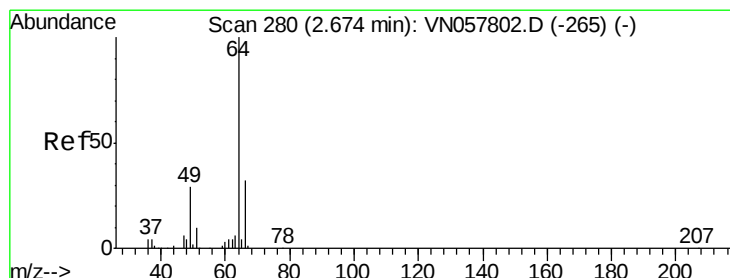
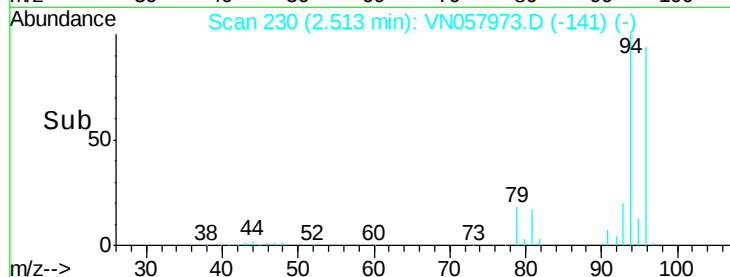
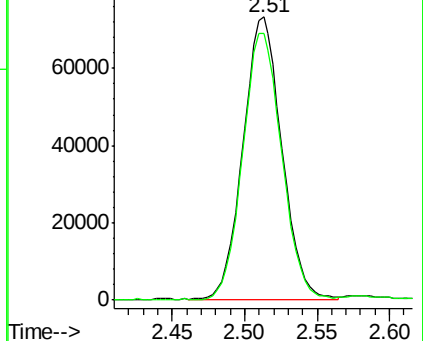
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 41.083 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.01 min

Lab File: VN057973.D

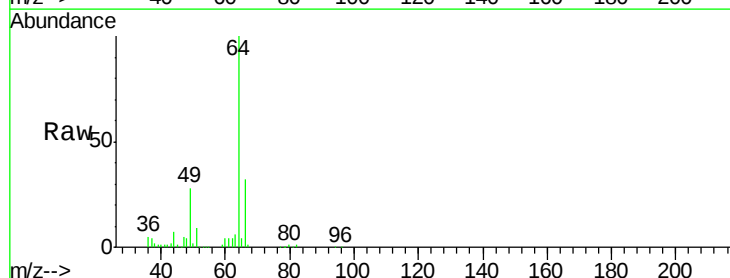
Acq: 12 Sep 2019 16:39

Tgt Ion: 64 Resp: 152686

Ion Ratio Lower Upper

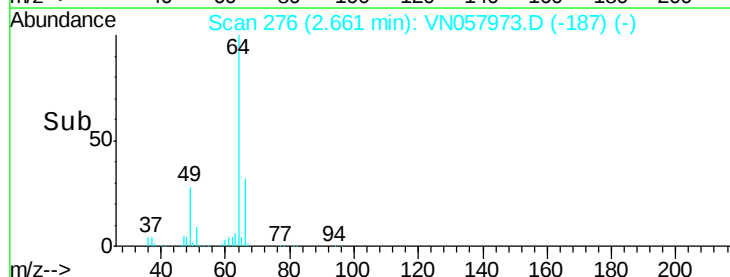
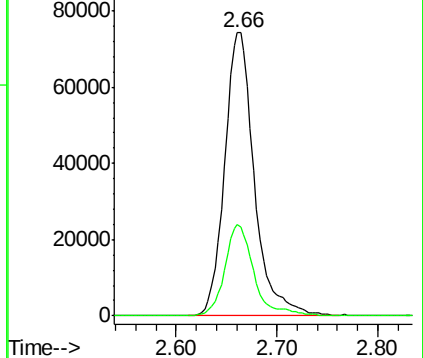
64 100

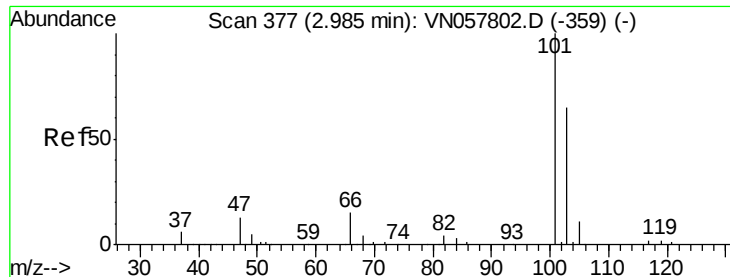
66 32.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

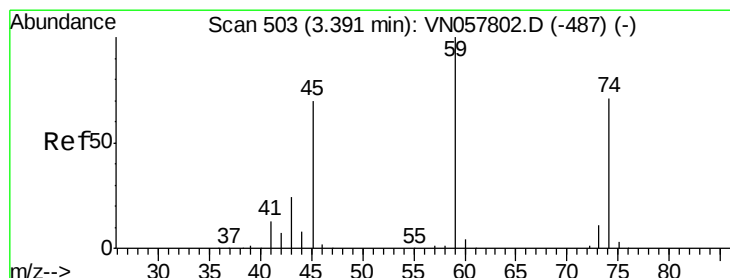
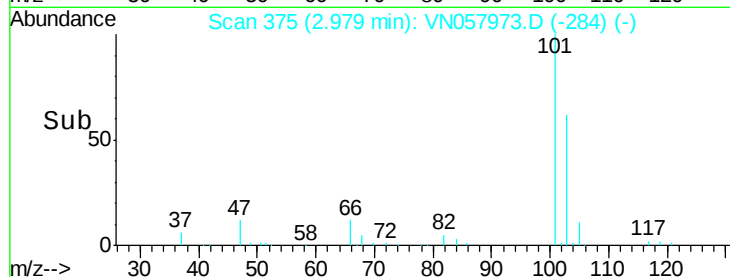
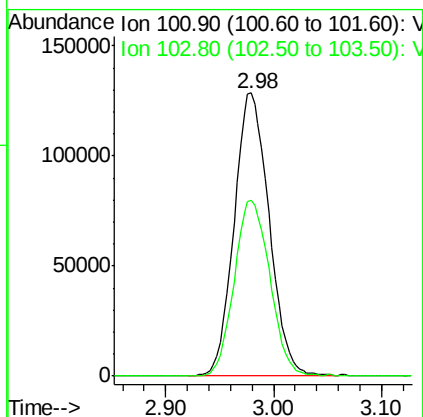
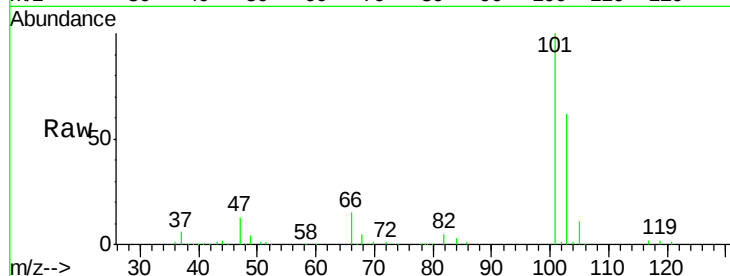
Trichlorofluoromethane
 Concen: 39.562 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.01 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	290373		
103	62.1	51.9	77.9	

Manual Integrations
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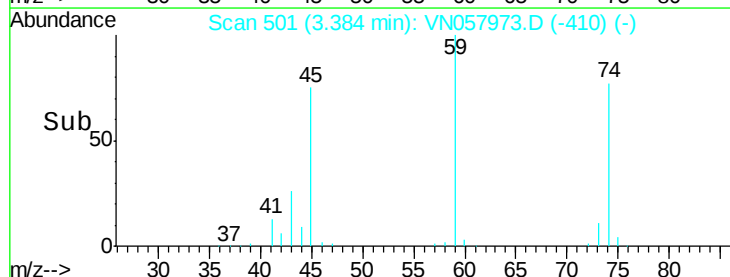
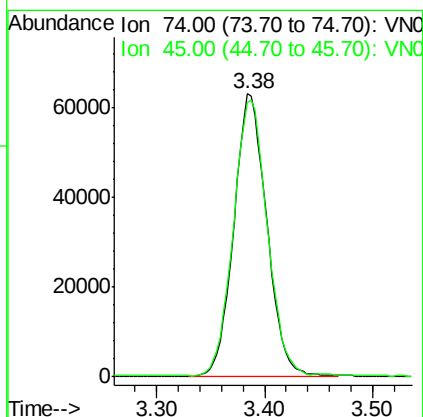
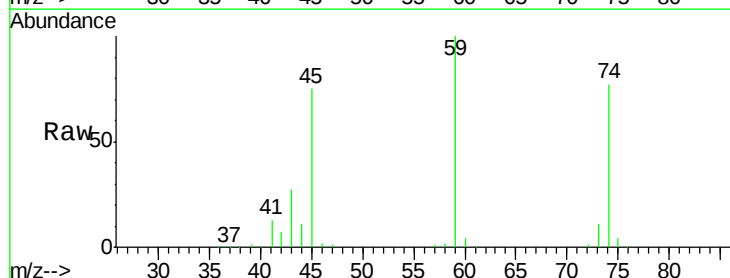
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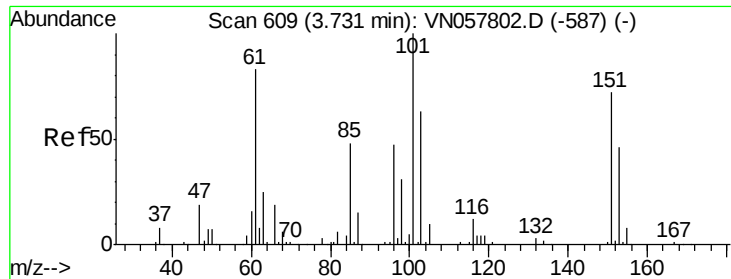


#8

Diethyl Ether
 Concen: 44.013 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	134737		
45	100.0	50.3	151.0	





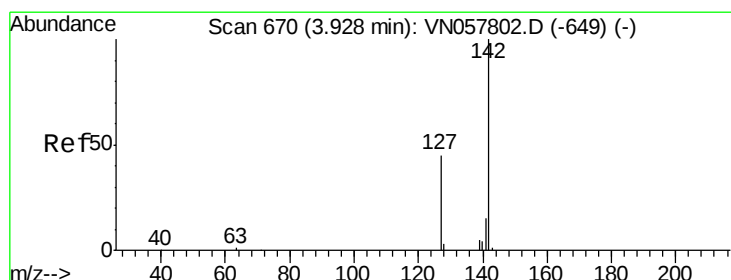
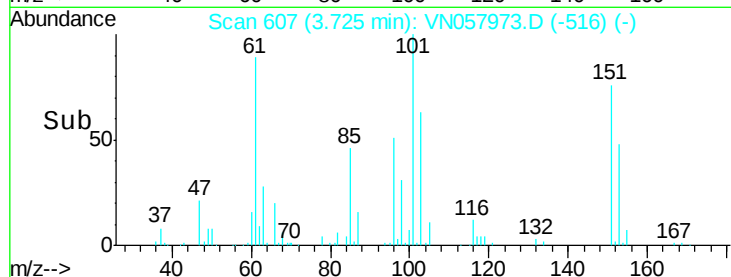
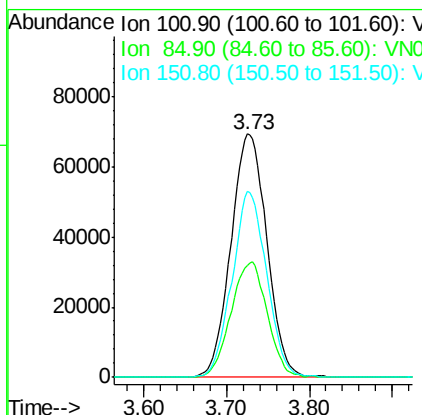
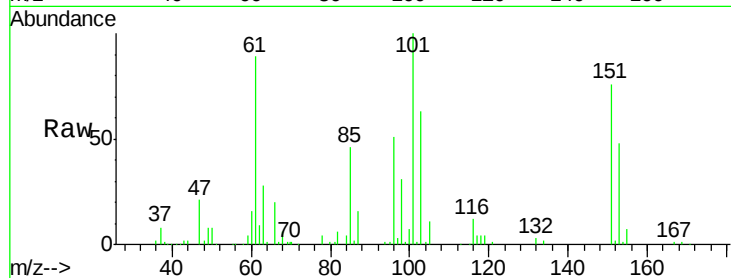
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.239 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	209463		
85	47.5	38.1	57.1	
151	73.3	58.4	87.6	

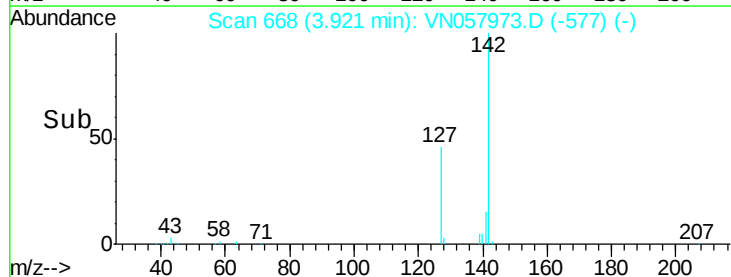
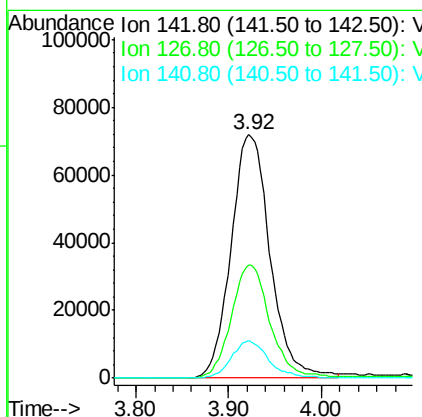
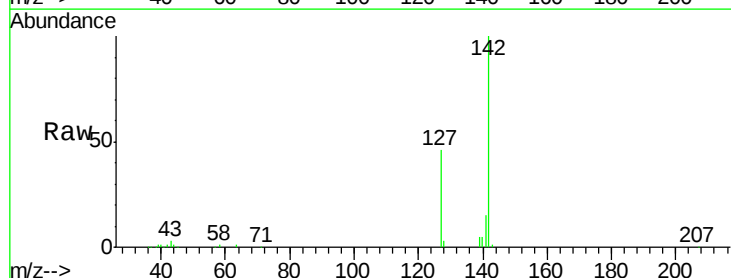
Manual Integrations
 APPROVED

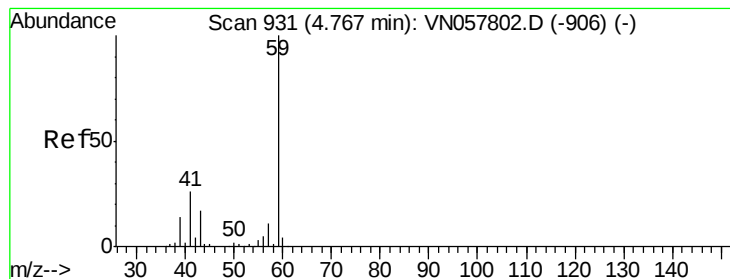
MMDadoda
 9/13/2019 1:05:49 PM



#10
 Methyl Iodide
 Concen: 40.772 ug/l
 RT: 3.92 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	210076		
127	45.9	36.7	55.1	
141	14.7	11.4	17.0	





#11

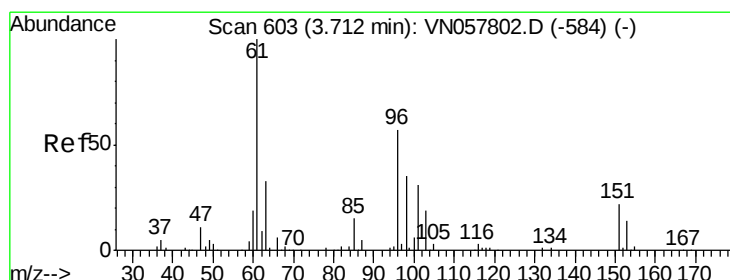
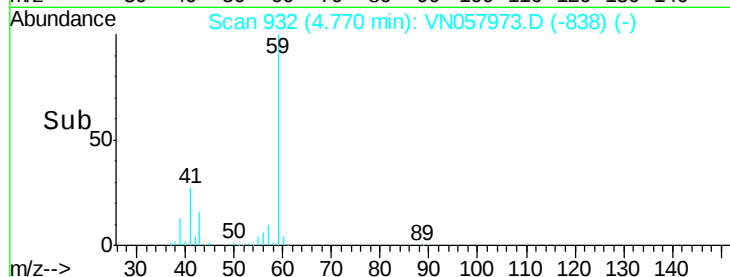
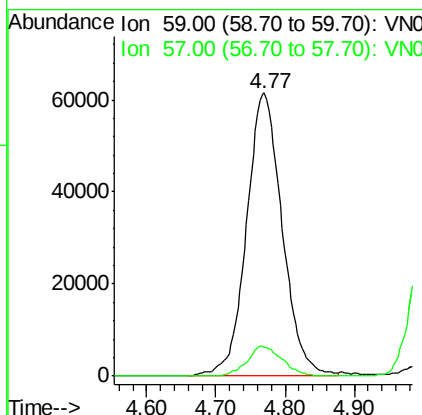
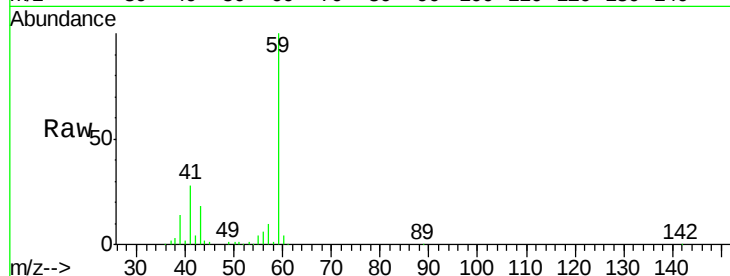
Tert butyl alcohol
Concen: 229.661 ug/l
RT: 4.77 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

Manual Integrations
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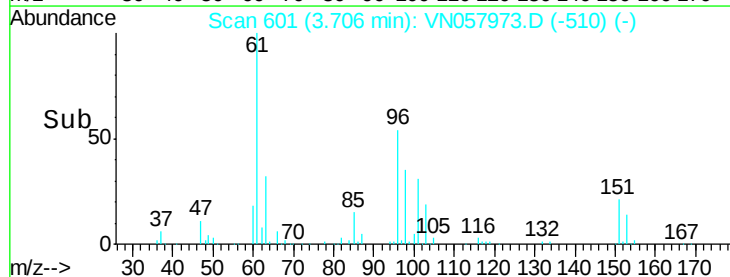
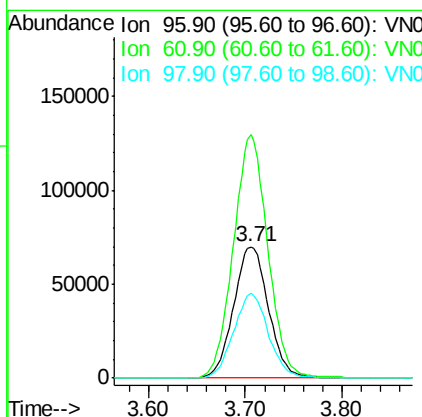
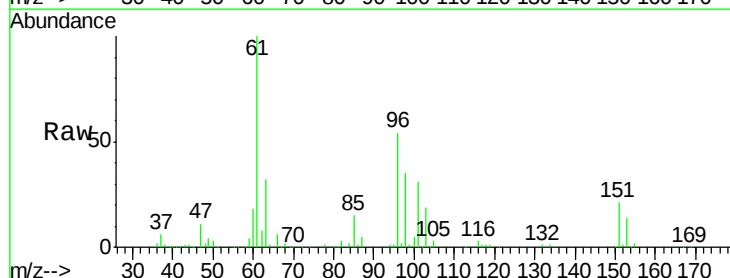
MMDadoda
9/13/2019 1:05:49 PM

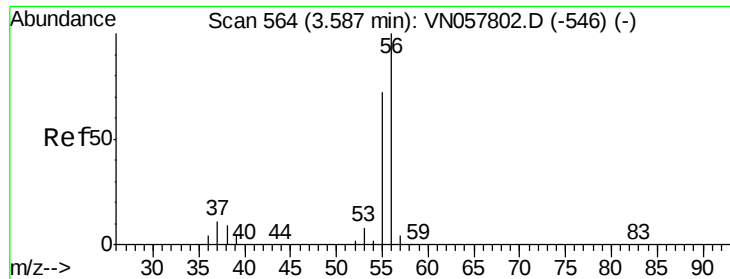


#12

1,1-Dichloroethene
Concen: 42.175 ug/l
RT: 3.71 min Scan# 601
Delta R.T. -0.01 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.3	141.2	211.8
98	64.4	49.9	74.9





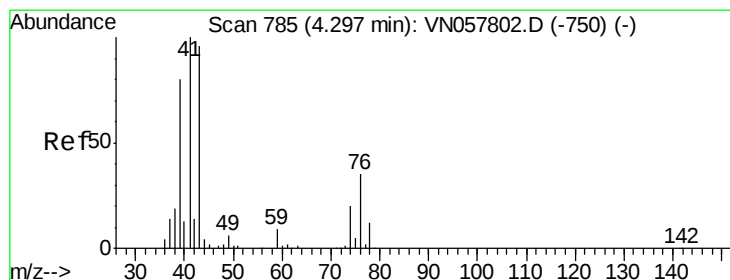
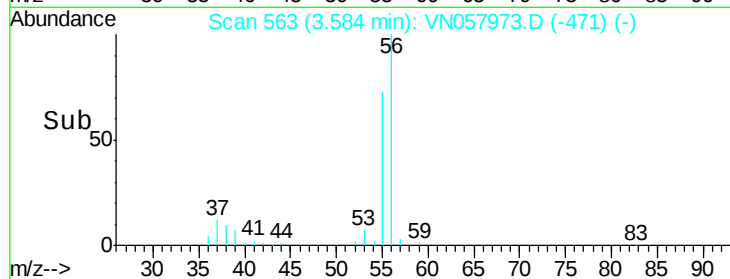
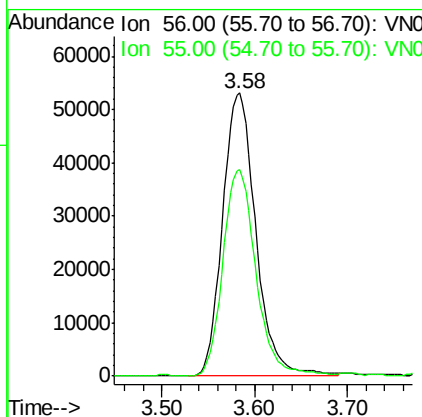
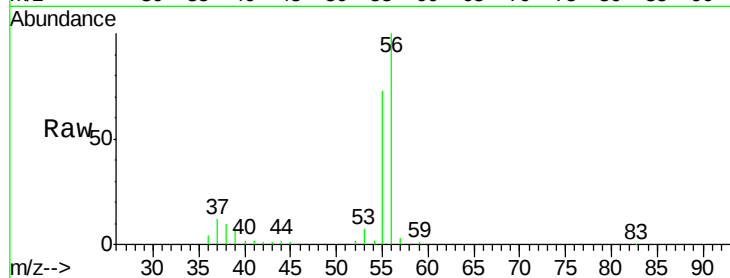
#13
Acrolein
Concen: 162.349 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.8	57.3	85.9

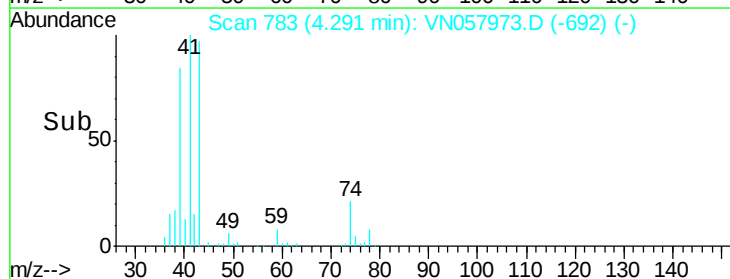
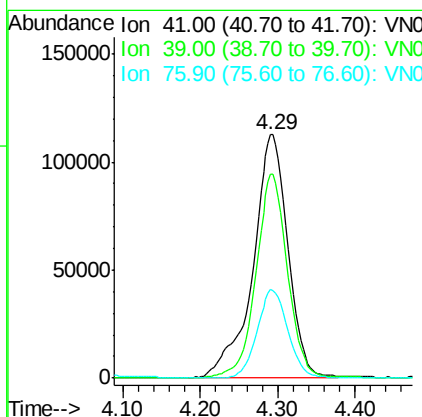
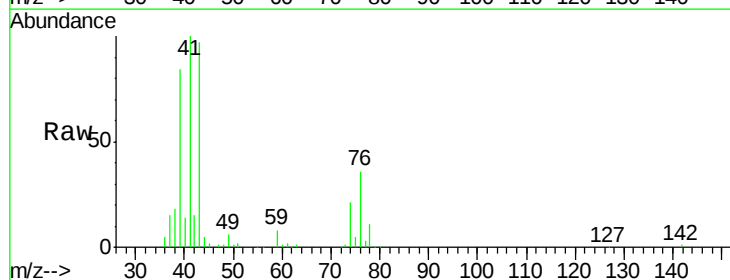
Manual Integrations
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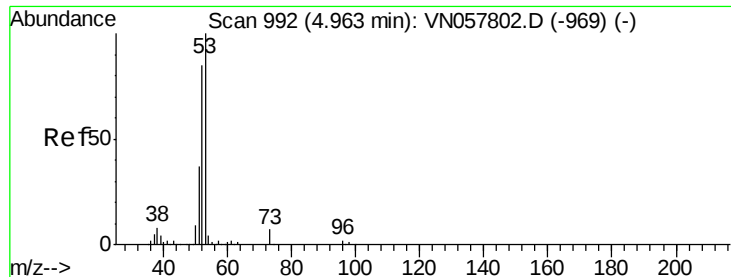
MMDadoda
9/13/2019 1:05:49 PM



#14
Allyl chloride
Concen: 43.704 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.2	59.4	89.2
76	32.0	26.0	39.0





#15

Acrylonitrile

Concen: 240.969 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

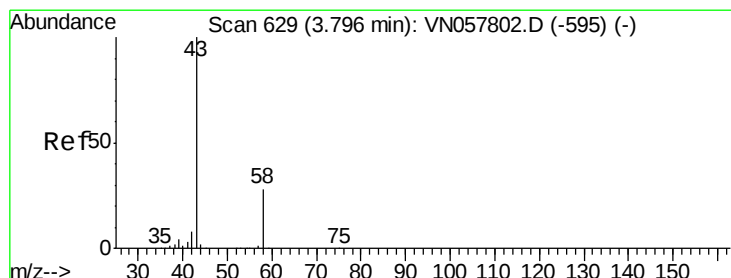
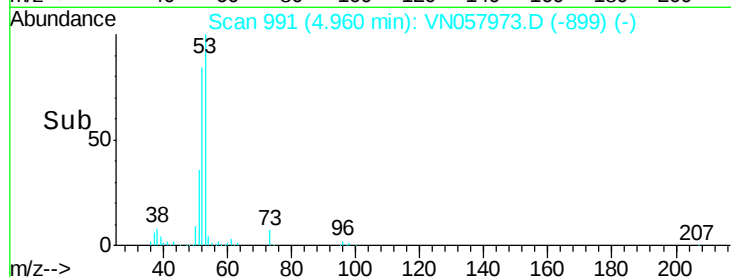
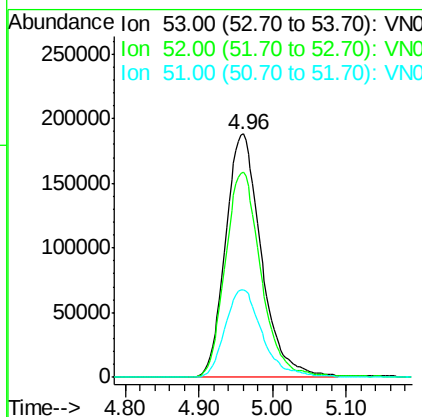
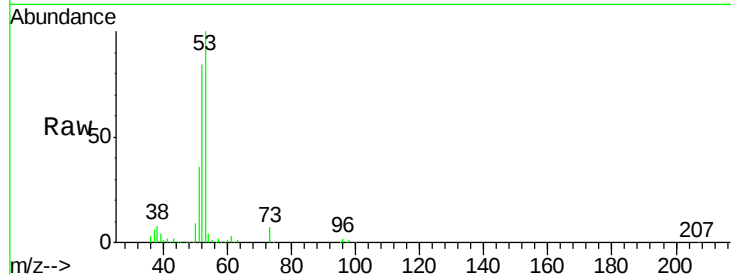
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	634778
Ion Ratio		Lower	Upper
53	100		
52	84.1	66.6	100.0
51	37.6	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 251.007 ug/l

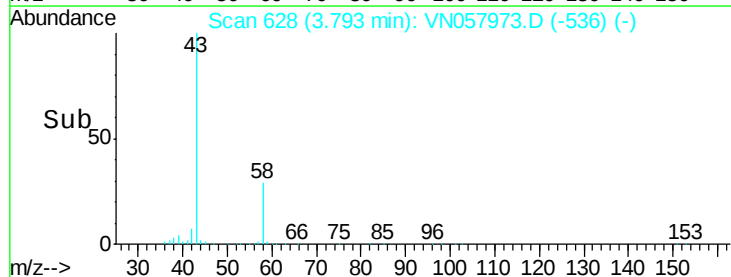
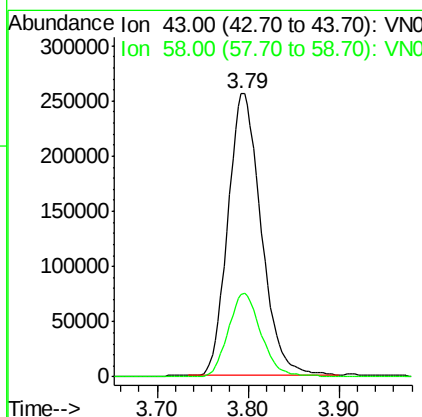
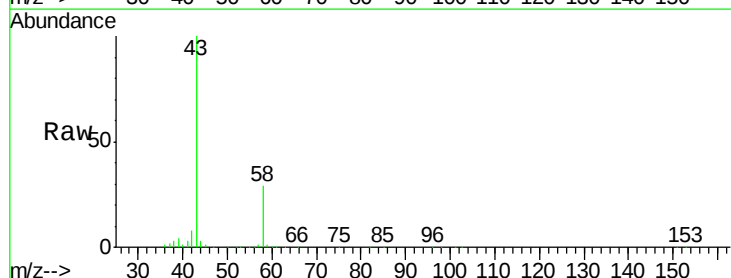
RT: 3.79 min Scan# 628

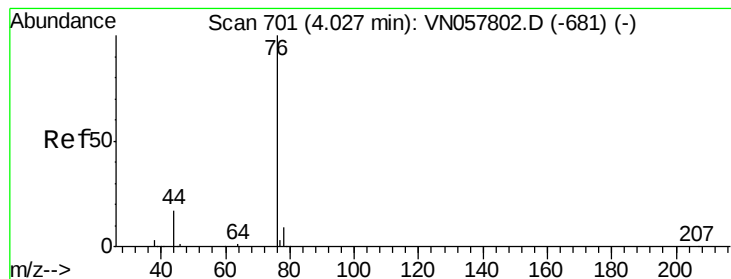
Delta R.T. -0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Tgt Ion:	43	Resp:	651581
Ion Ratio		Lower	Upper
43	100		
58	29.2	22.2	33.2





#17

Carbon Disulfide

Concen: 39.884 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.01 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Tot Ion: 76 Resp: 258216

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7

Instrument :

MSVOA_N

ClientSampleId :

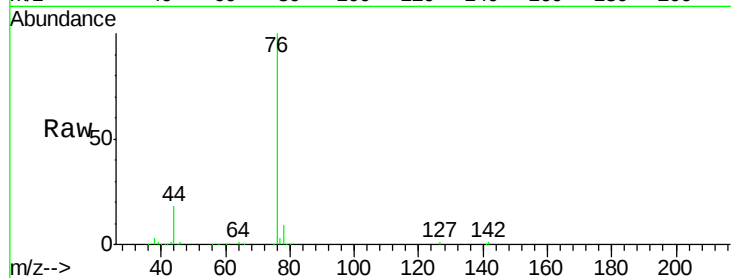
VSTDCCC050

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.02

100000

80000

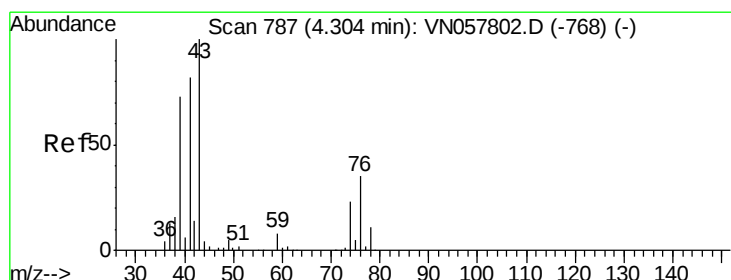
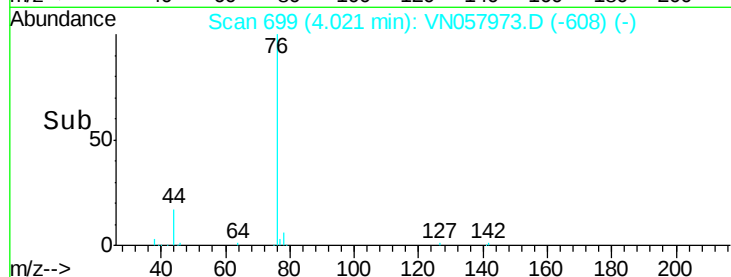
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 49.485 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN057973.D

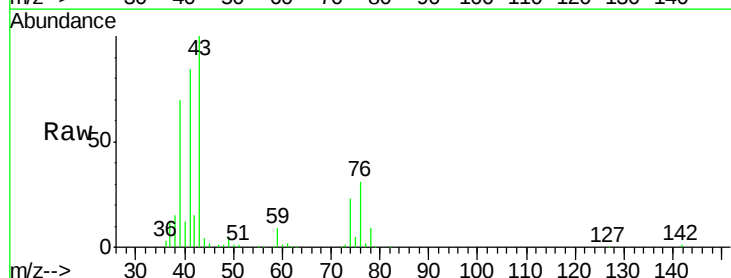
Acq: 12 Sep 2019 16:39

Tgt Ion: 43 Resp: 342503

Ion Ratio Lower Upper

43 100

74 22.5 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

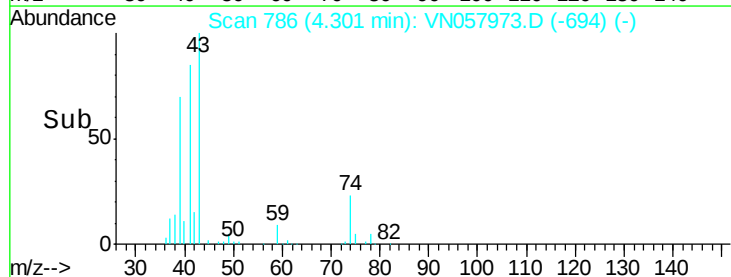
4.30

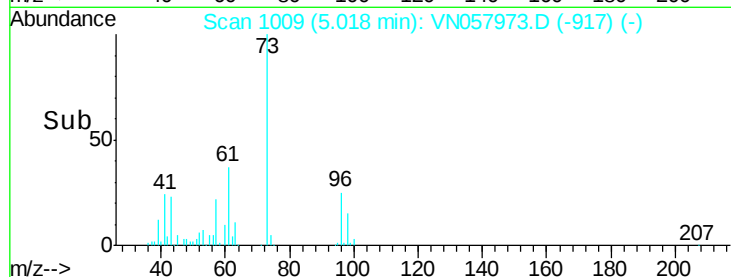
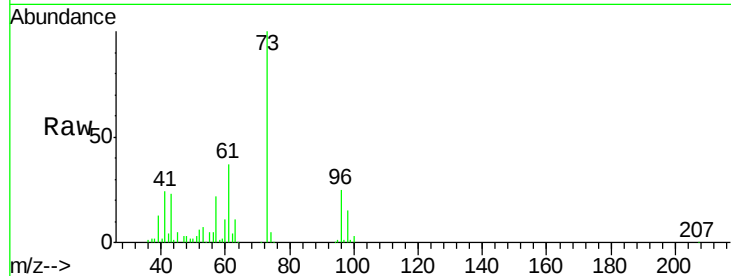
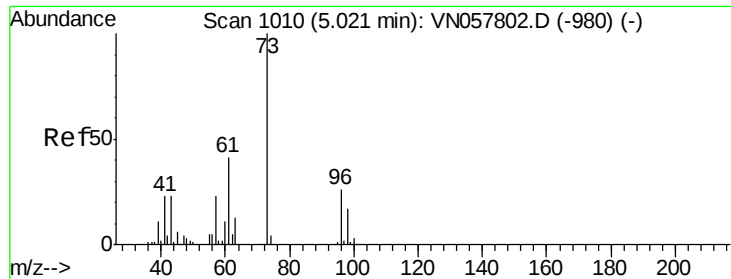
100000

50000

0

Time-->





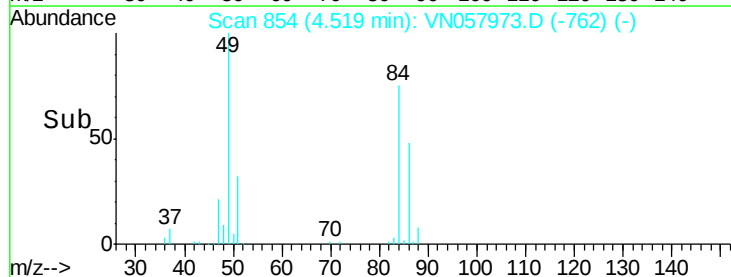
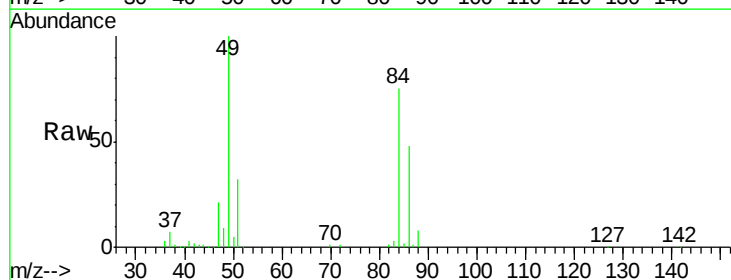
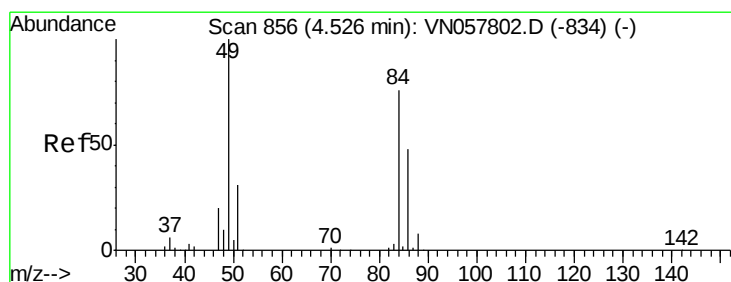
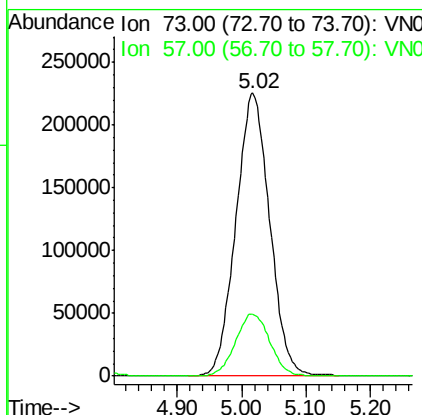
#19
Methvl tert-butvl Ether
Concen: 47.425 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Tot Ion: 73 Resp: 821644
Ion Ratio Lower Upper
73 100
57 21.9 18.2 27.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

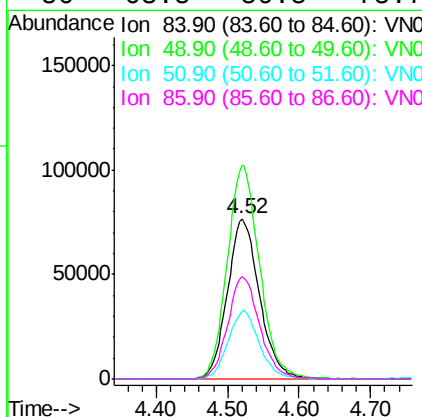
Manual Integrations
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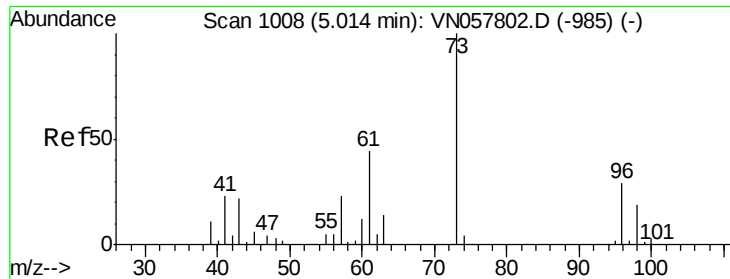
MMDadoda
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#20
Methylene Chloride
Concen: 48.735 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.01 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Tgt Ion: 84 Resp: 240991
Ion Ratio Lower Upper
84 100
49 133.0 104.8 157.2
51 41.9 33.0 49.4
86 63.5 50.5 75.7





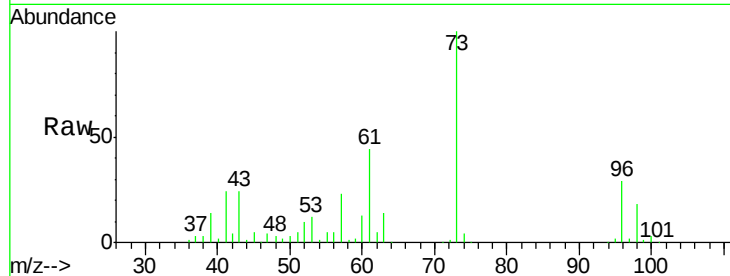
#21
trans-1,2-Dichloroethene
Concen: 42.700 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.6	121.9	182.9
98	62.3	52.2	78.4

Manual Integrations
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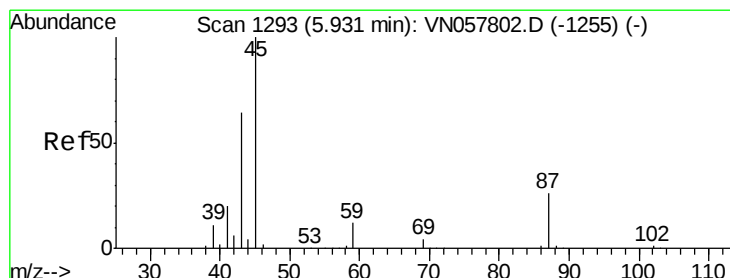
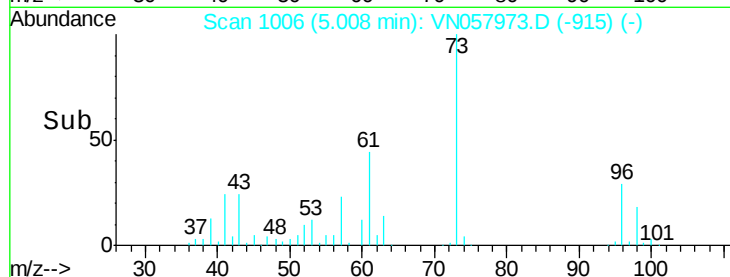
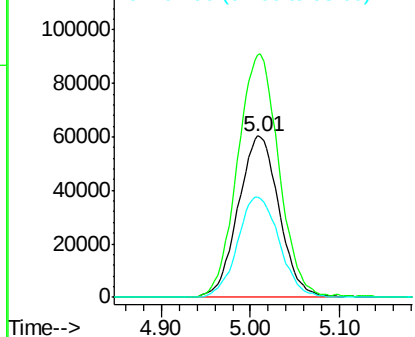


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 48.297 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.8	51.4	77.2
87	26.1	21.3	31.9
59	11.7	9.3	13.9

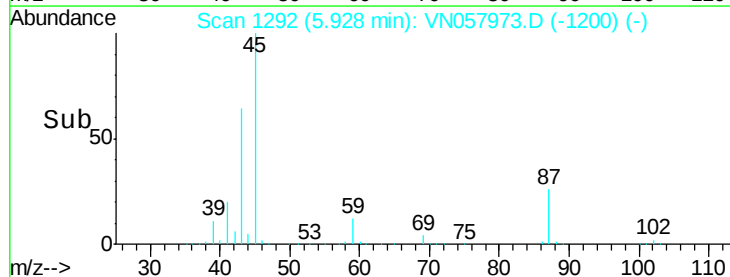
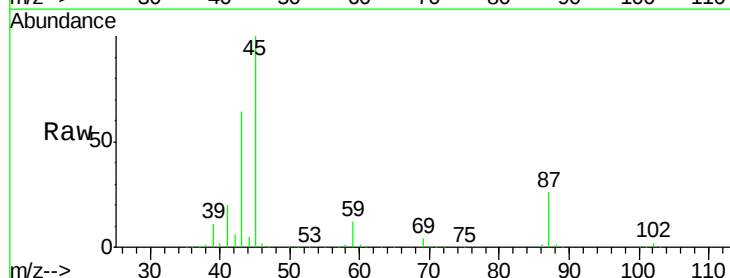
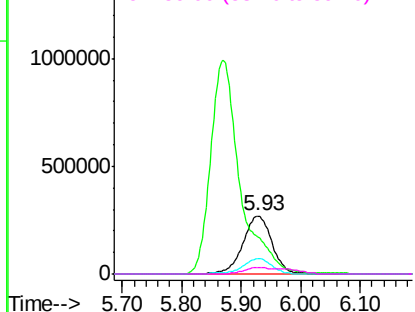
Abundance

Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 251.868 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3410363

Ion Ratio Lower Upper

43 100

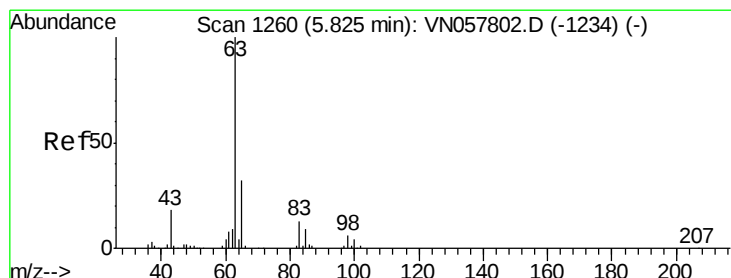
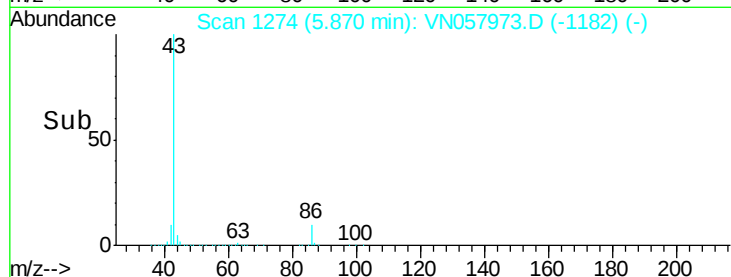
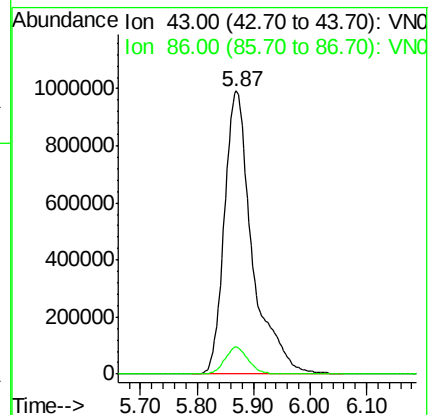
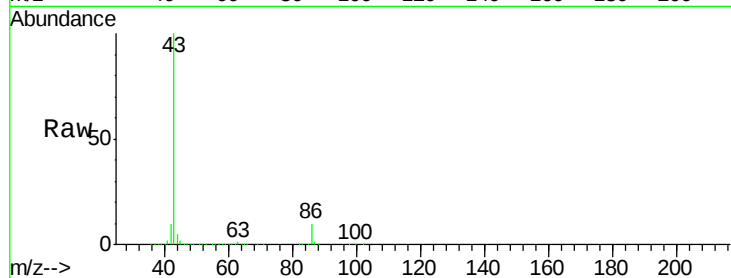
86 9.6 7.7 11.5

Manual Integrations

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MMDadoda

9/13/2019 1:05:49 PM



#24

1,1-Dichloroethane

Concen: 45.562 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

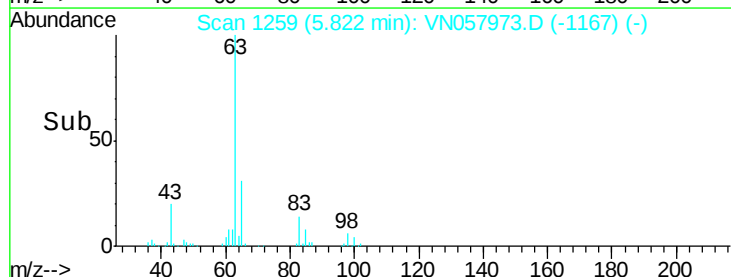
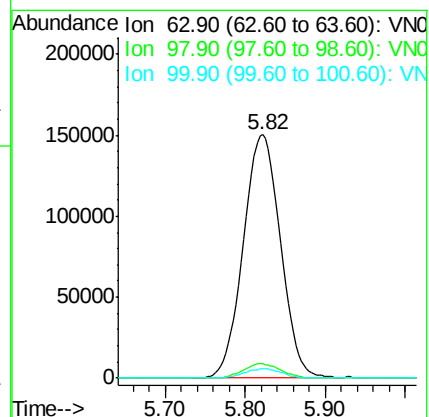
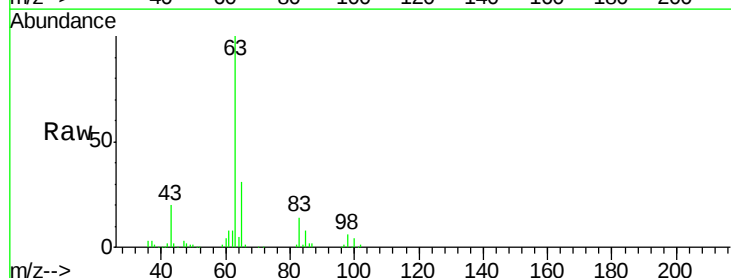
Tgt Ion: 63 Resp: 475745

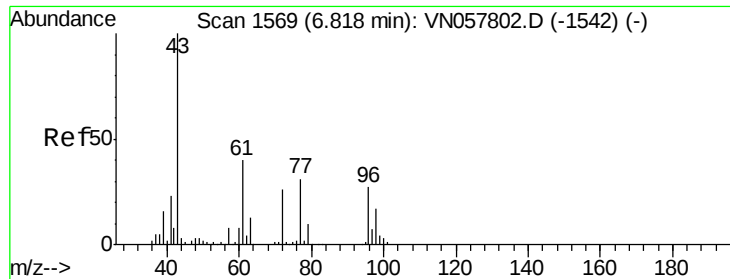
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 4.0 2.0 5.8





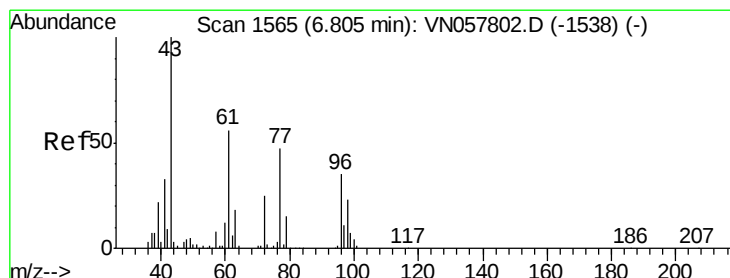
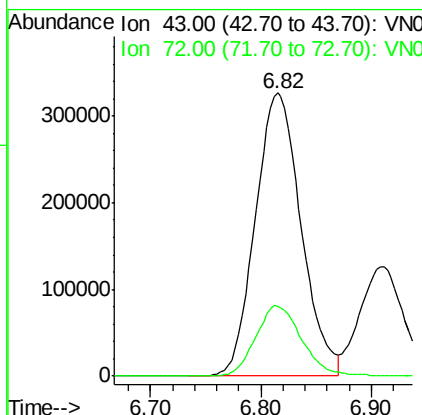
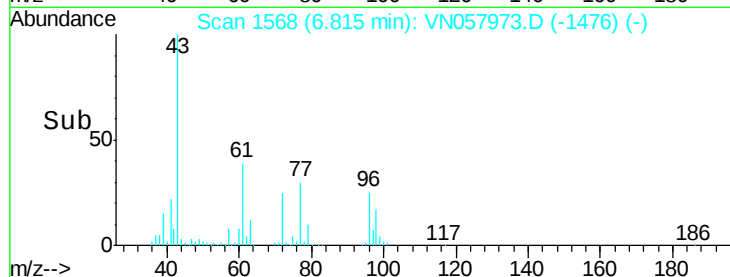
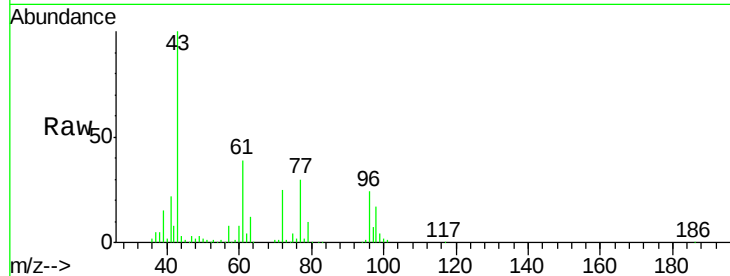
#25
2-Butanone
Concen: 248.812 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 934823
Ion Ratio Lower Upper
43 100
72 24.8 20.6 30.8

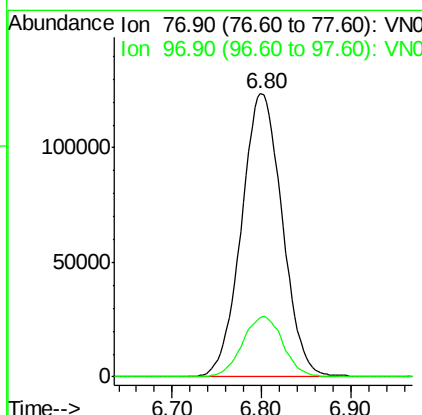
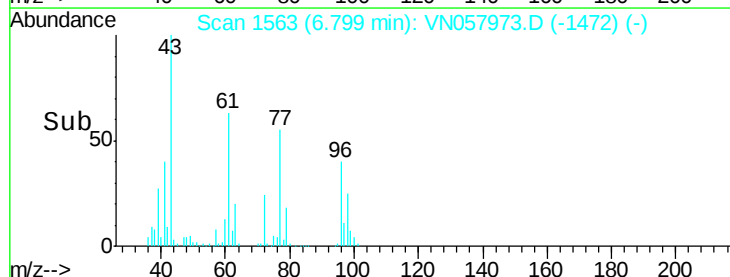
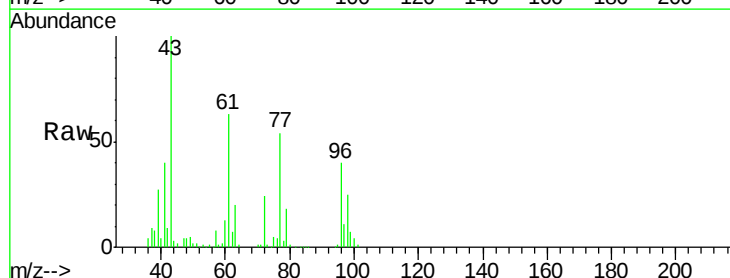
Manual Integrations
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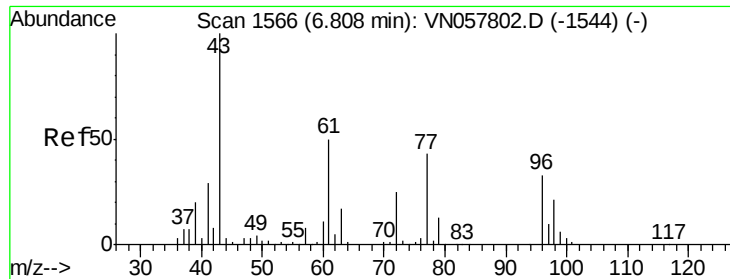
MMDadoda
9/13/2019 1:05:49 PM



#26
2,2-Dichloropropane
Concen: 47.689 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Tgt Ion: 77 Resp: 394077
Ion Ratio Lower Upper
77 100
97 21.3 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 44.814 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

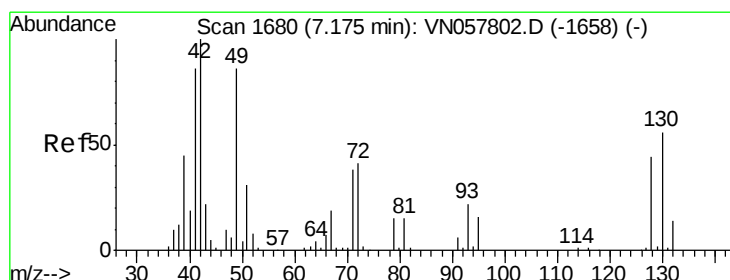
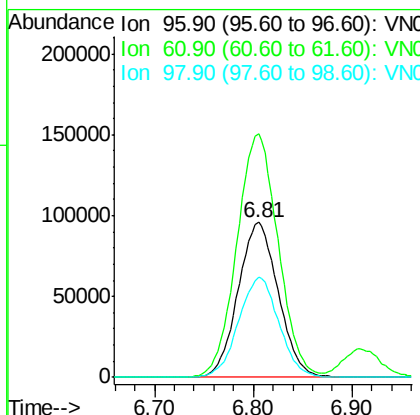
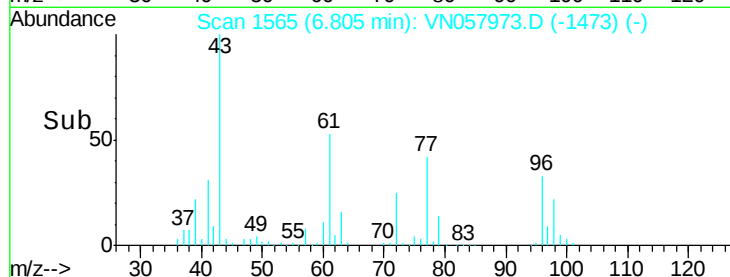
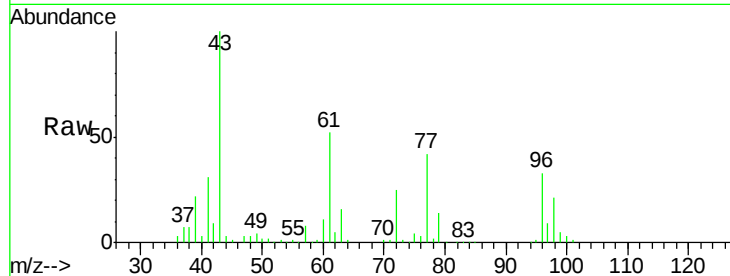
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	270273
Ion	Ratio	Lower	Upper
96	100		
61	161.5	0.0	314.0
98	65.0	0.0	128.6

Manual Integrations
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9/13/2019 1:05:49 PM



#28

Bromochloromethane

Concen: 48.789 ug/l

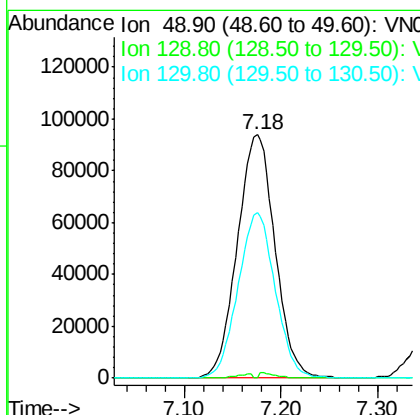
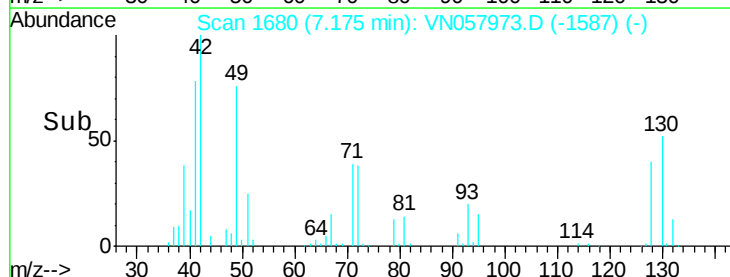
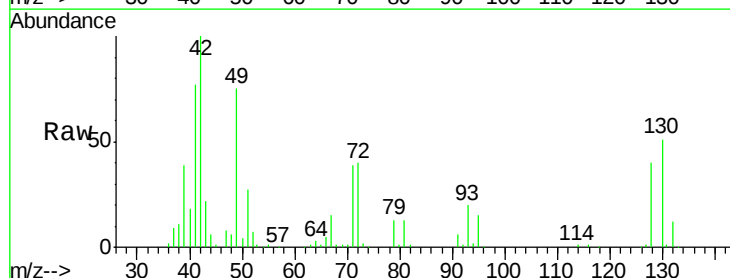
RT: 7.18 min Scan# 1680

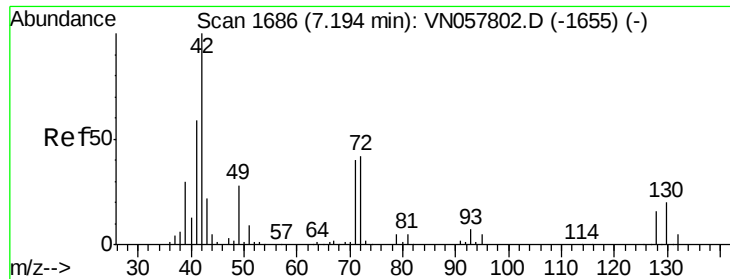
Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Tgt Ion:	49	Resp:	254513
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	66.9	53.0	79.6





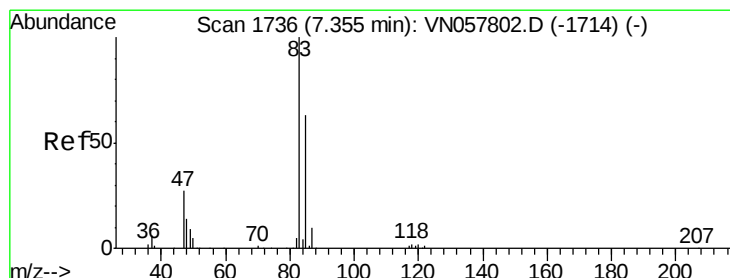
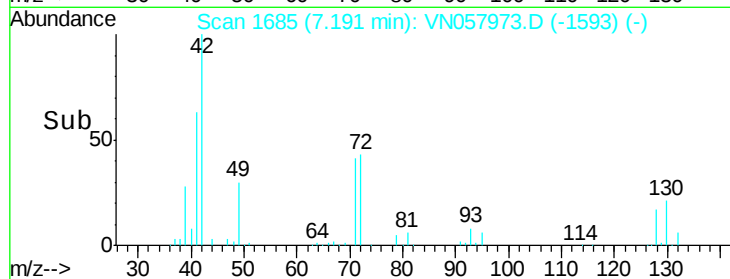
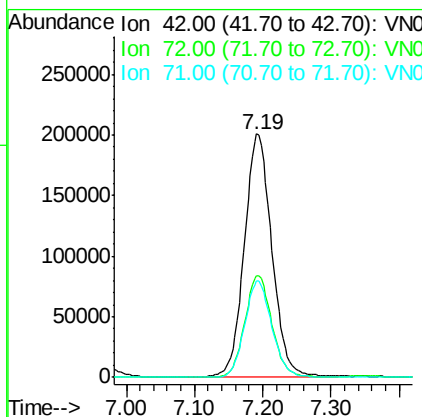
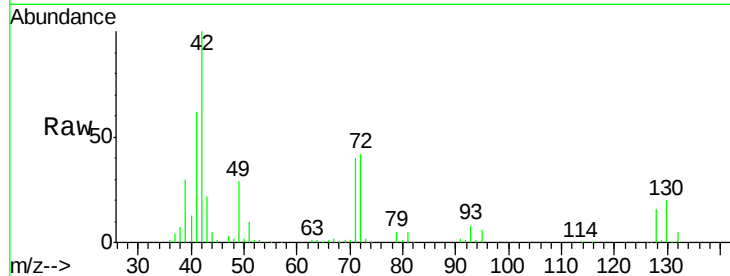
#29
Tetrahydrofuran
Concen: 242.766 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	33.7	50.5
71	39.3	31.9	47.9

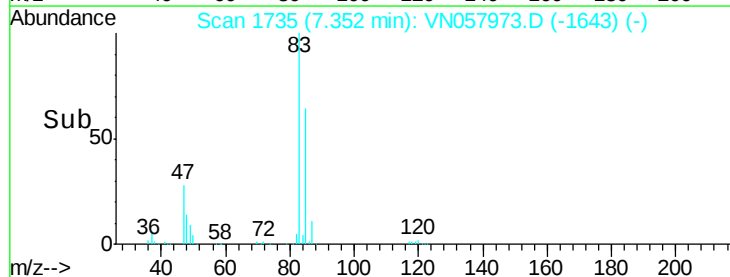
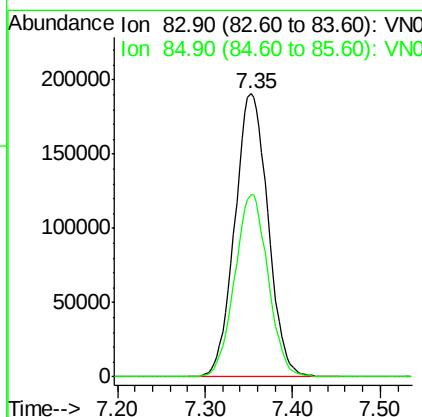
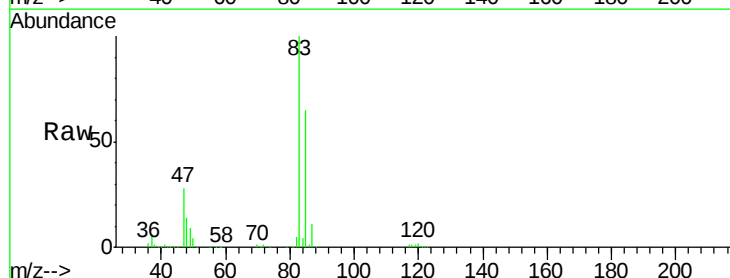
Manual Integrations
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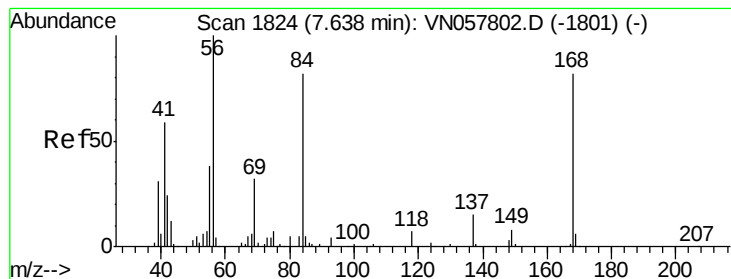
MMDadoda
9/13/2019 1:05:49 PM



#30
Chloroform
Concen: 46.085 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	75.8





#31

Cyclohexane

Concen: 47.402 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

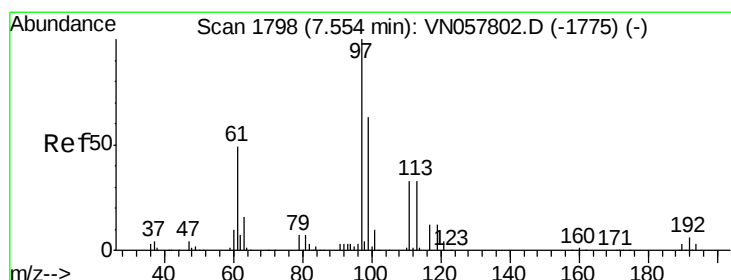
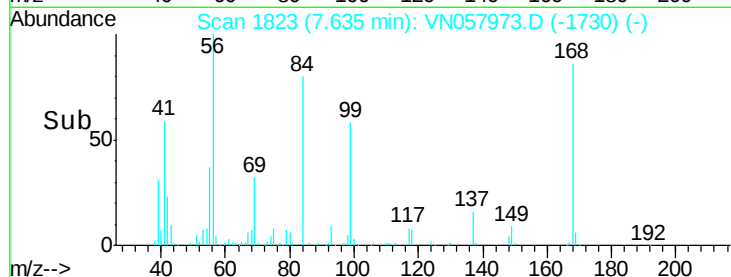
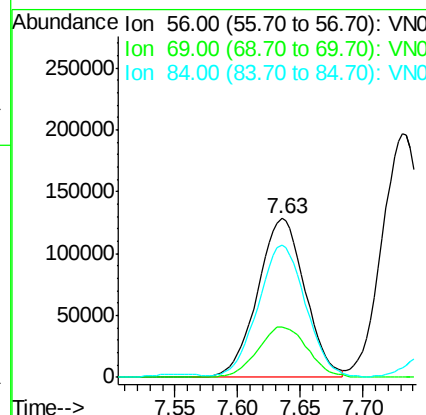
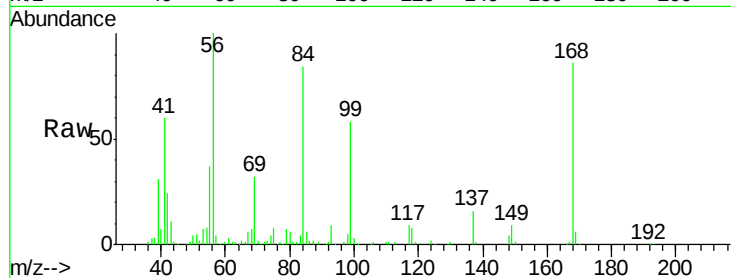
VSTDCCC050

Tot Ion: 56 Resp: 338126

Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.9	38.9
84	81.9	65.6	98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.178 ug/l

RT: 7.55 min Scan# 1797

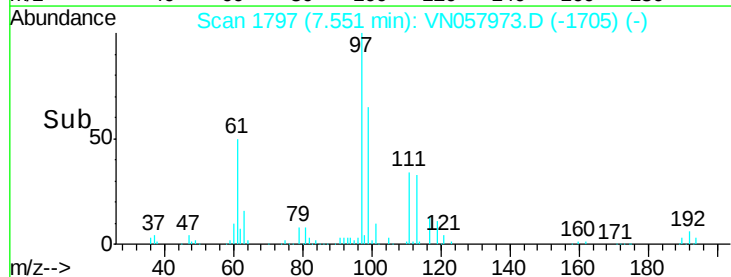
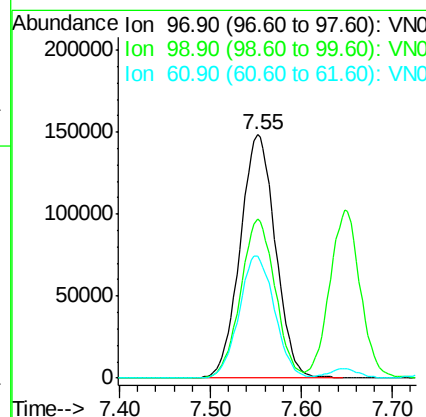
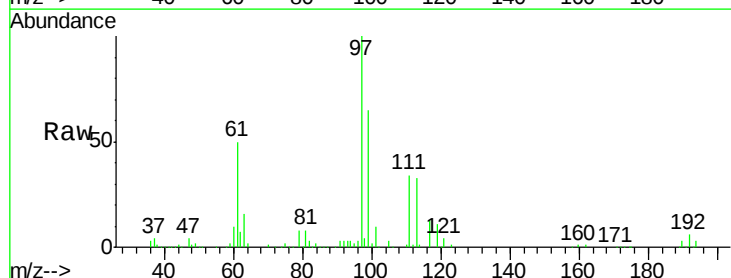
Delta R.T. -0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Tgt Ion: 97 Resp: 399852

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	50.4	39.0	58.6





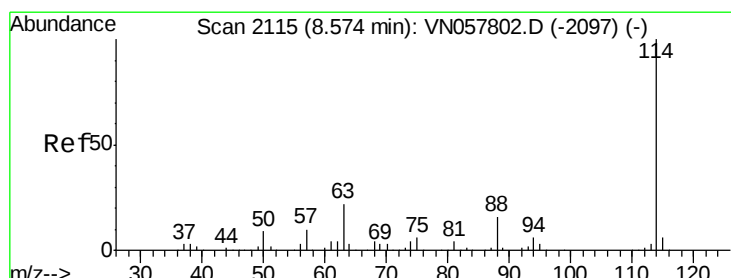
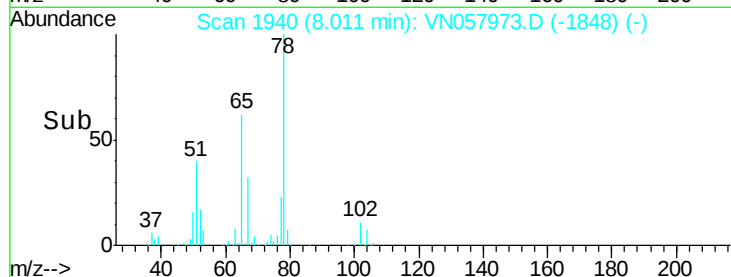
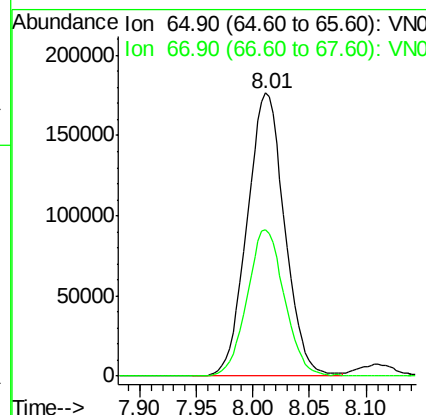
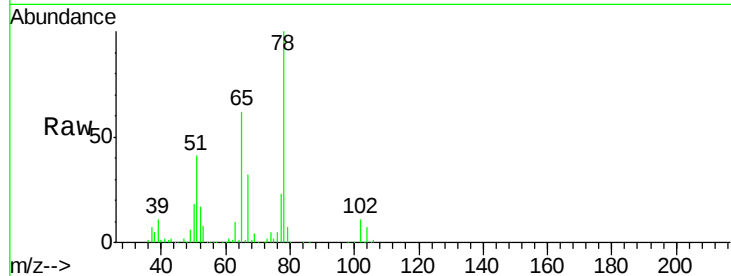
#33
 1,2-Dichloroethane-d4
 Concen: 51.421 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	407183		
67	51.6	0.0	104.0	

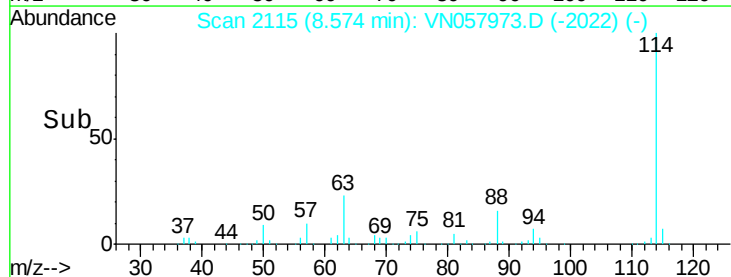
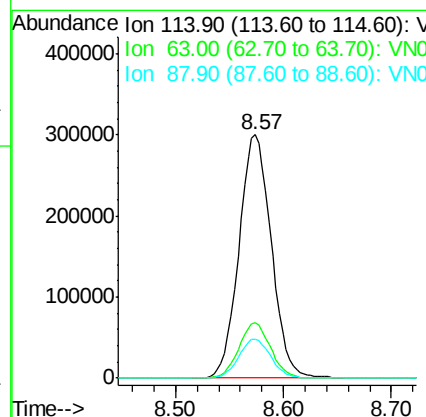
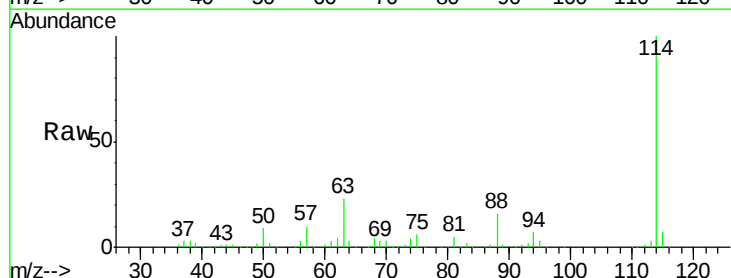
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	626379		
63	22.8	0.0	44.0	
88	15.9	0.0	31.4	





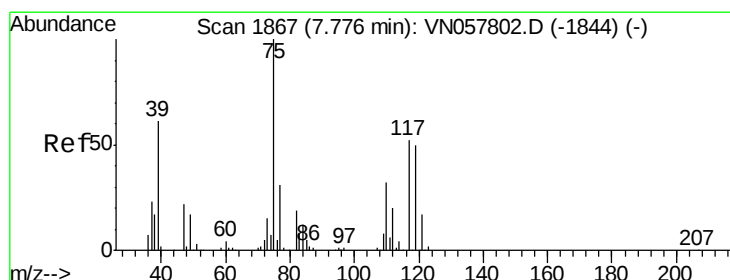
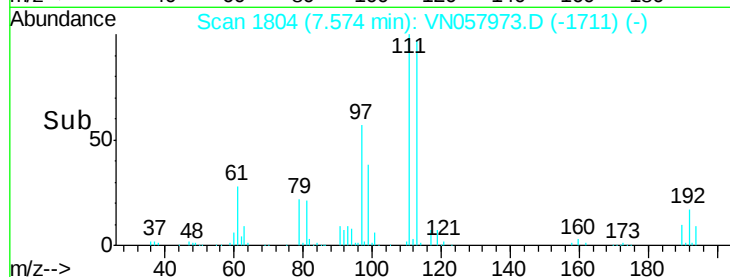
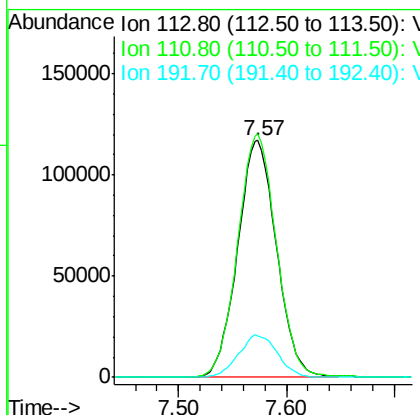
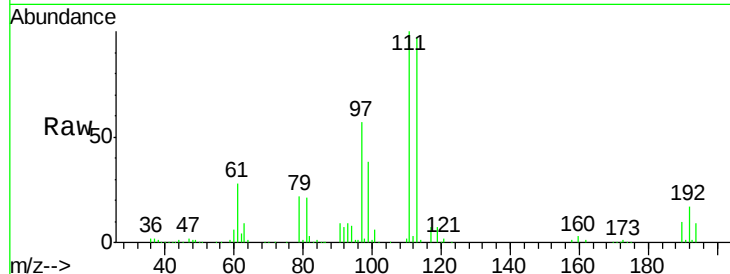
#35
Dibromofluoromethane
Concen: 50.625 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	292676		
111	103.1	81.3	121.9	
192	18.2	14.6	22.0	

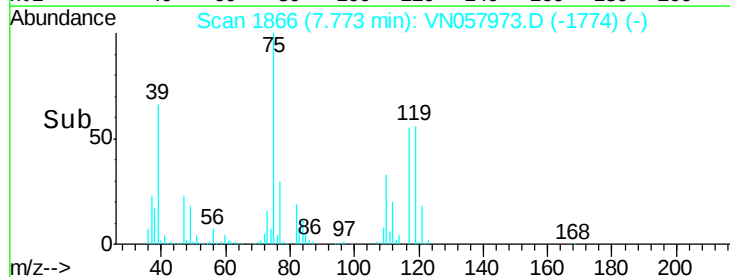
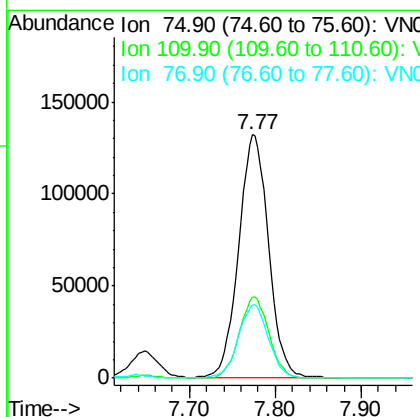
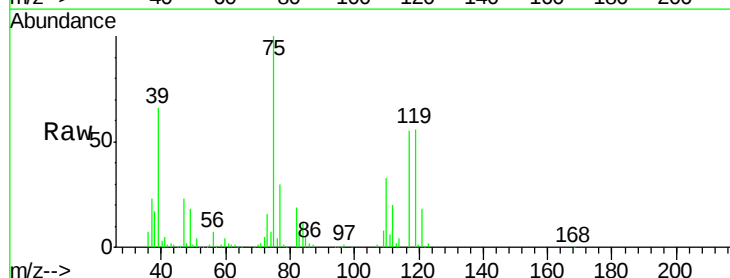
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9/13/2019 1:05:49 PM



#36
1,1-Dichloropropene
Concen: 43.759 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	317878		
110	33.2	16.3	48.9	
77	30.7	25.0	37.4	





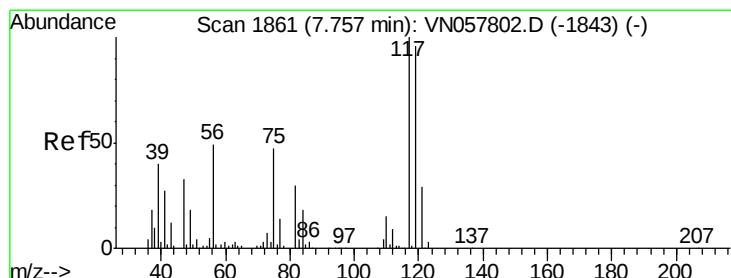
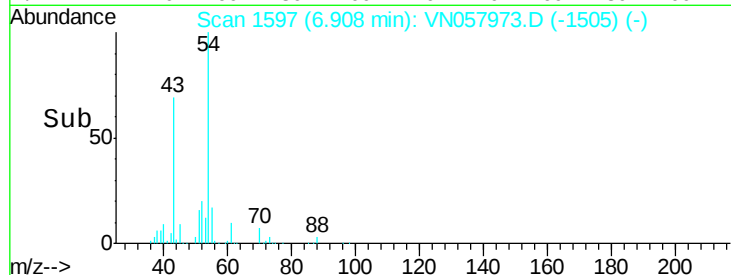
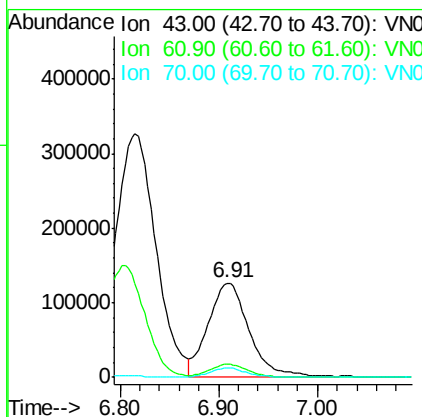
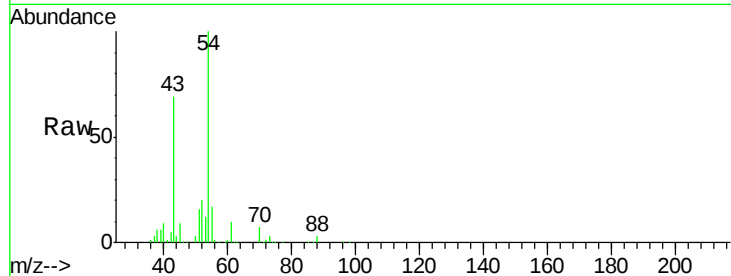
#37
Ethyl Acetate
Concen: 47.857 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.0		10.5	15.7
70	8.9		7.4	11.0

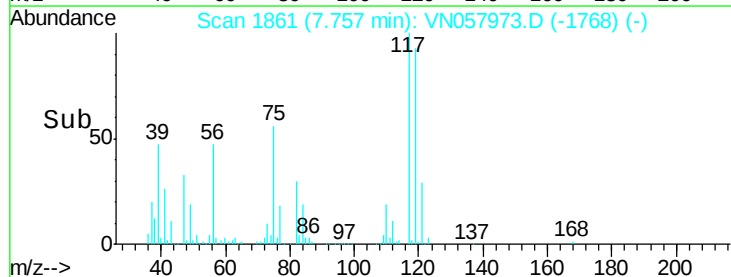
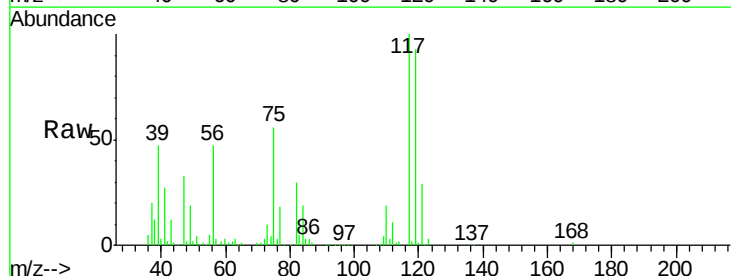
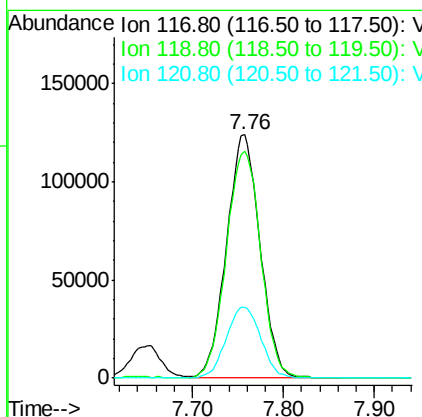
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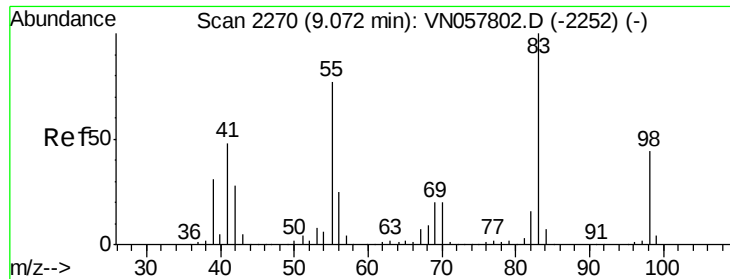
MMDadoda
9/13/2019 1:05:49 PM



#38
Carbon Tetrachloride
Concen: 47.850 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	92.8		76.9	115.3
121	29.0		23.4	35.2





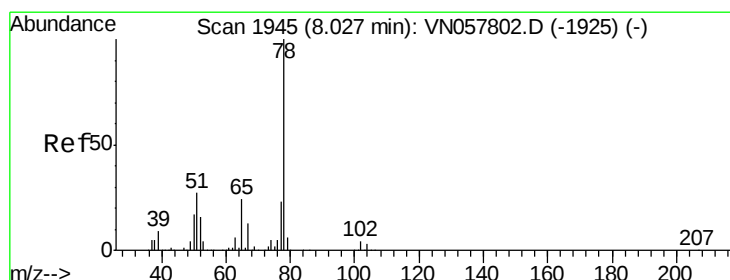
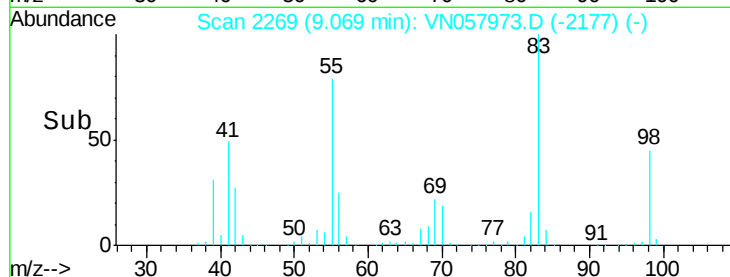
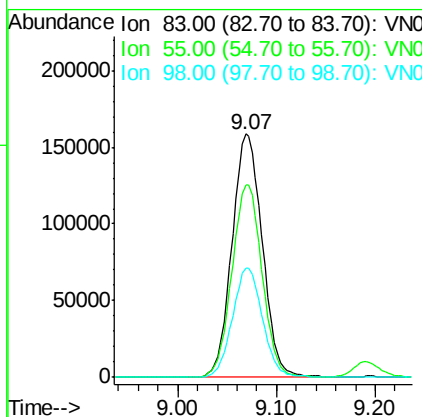
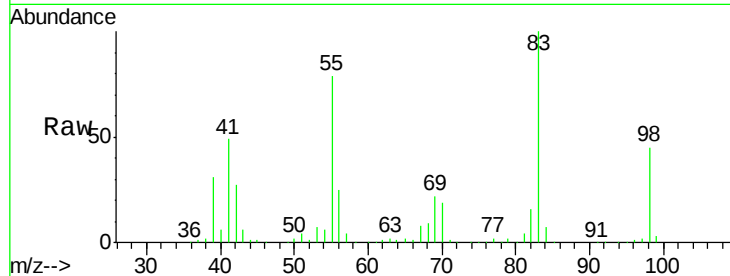
#39
Methvlcvclohexane
Concen: 44.165 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.2	61.6	92.4
98	45.0	34.9	52.3

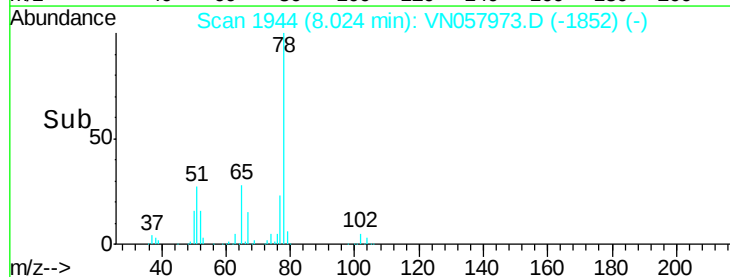
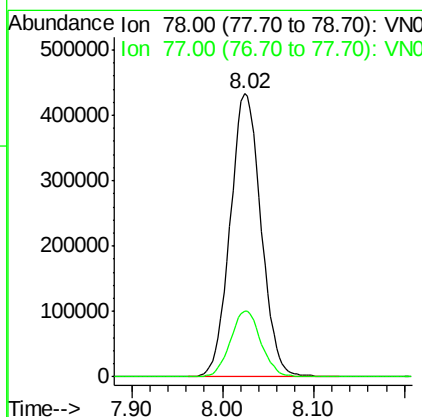
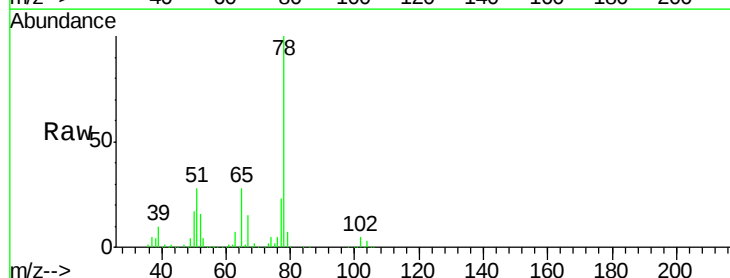
Manual Integrations
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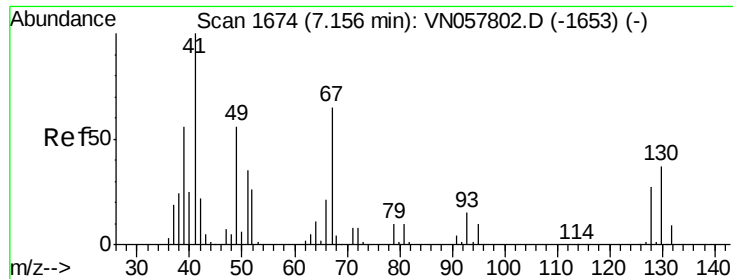
MMDadoda
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#40
Benzene
Concen: 46.706 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.3	27.5





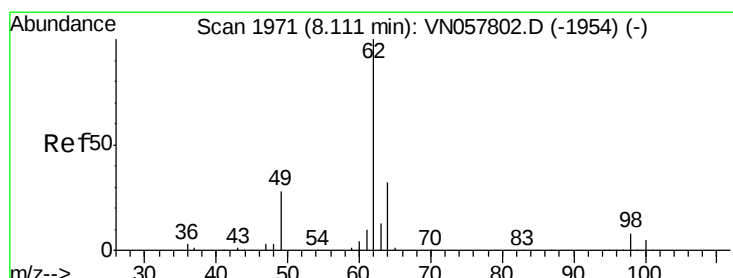
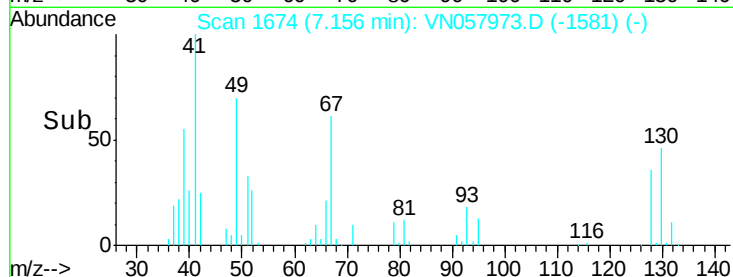
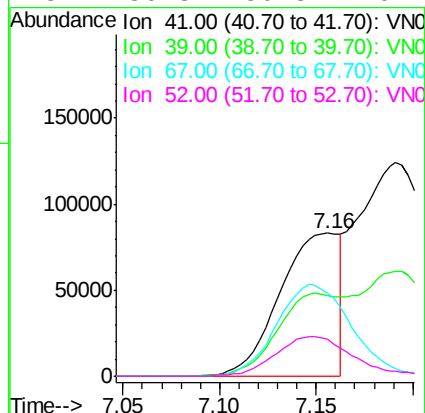
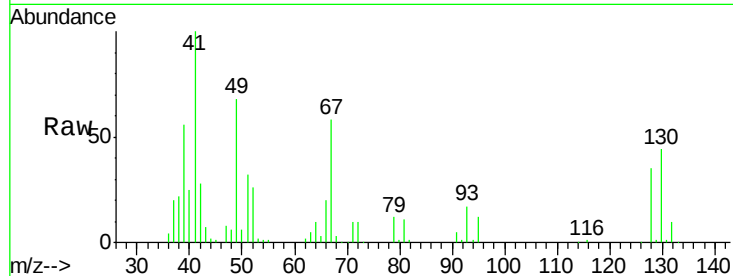
#41
Methacrylonitrile
Concen: 52.268 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	178075
Ion Ratio	Lower	Upper	
41	100		
39	58.7	51.0	76.6
67	81.0	70.7	106.1
52	36.3	30.8	46.2

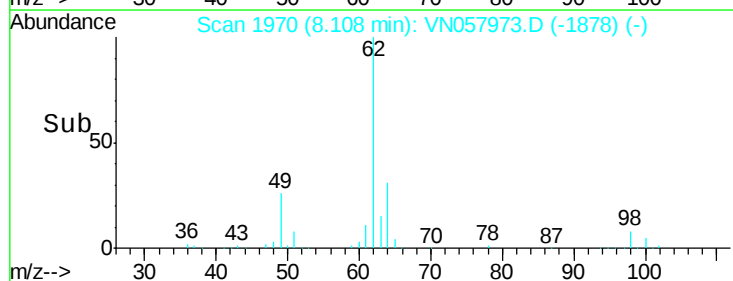
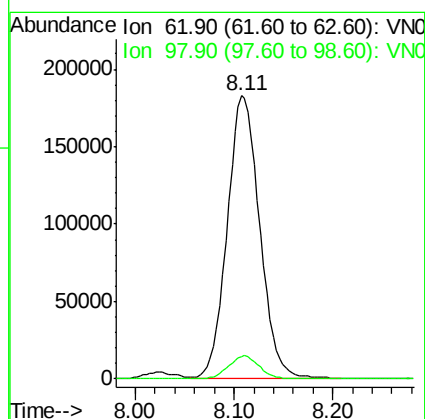
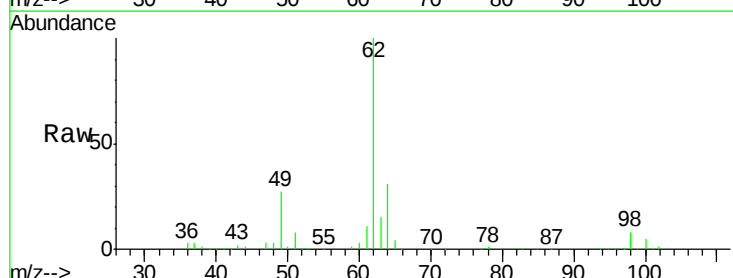
Manual Integrations
APPROVED

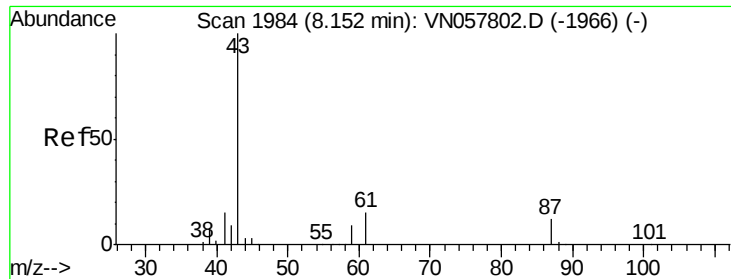
MMDadoda
9/13/2019 1:05:49 PM



#42
1,2-Dichloroethane
Concen: 47.901 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Tgt Ion	62	Resp	418978
Ion Ratio	Lower	Upper	
62	100		
98	7.7	0.0	15.8





#43

Isopropyl Acetate

Concen: 49.389 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

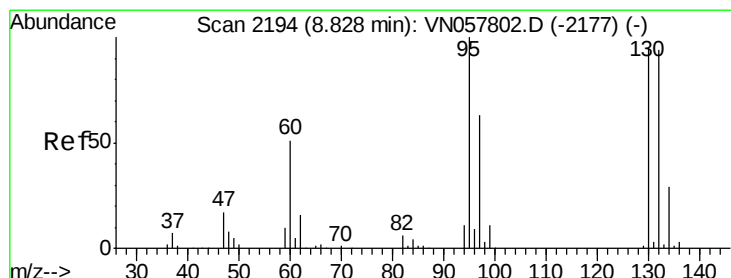
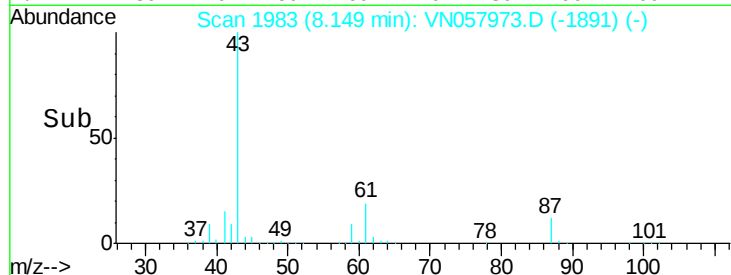
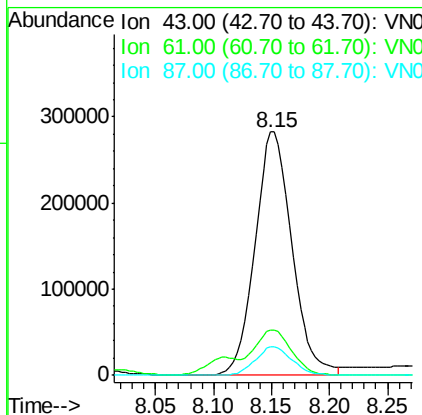
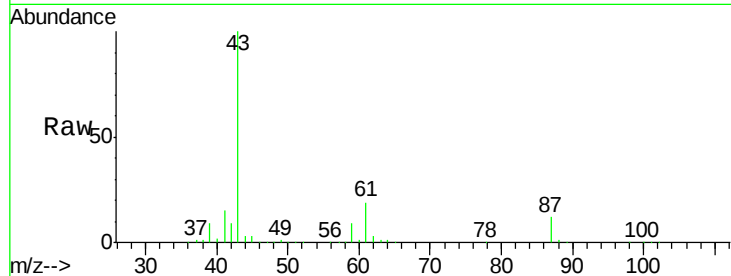
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	623368
Ion Ratio	Lower	Upper	
43	100		
61	18.7	20.1	30.1#
87	11.8	9.5	14.3

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#44

Trichloroethene

Concen: 45.597 ug/l

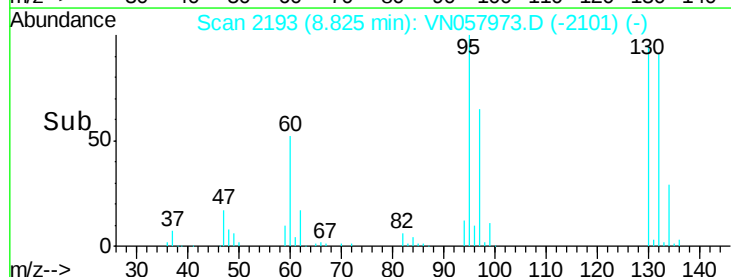
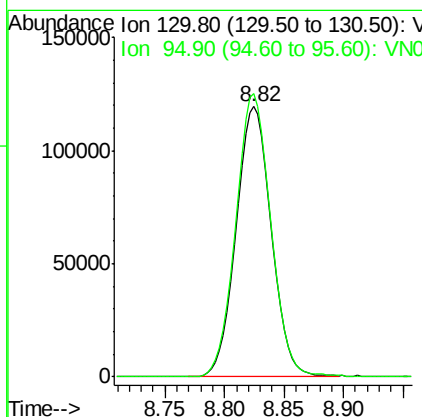
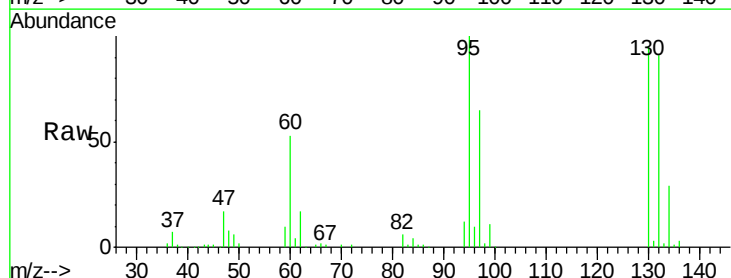
RT: 8.82 min Scan# 2193

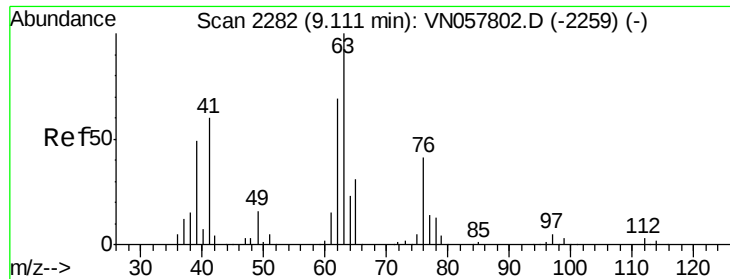
Delta R.T. -0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Tgt Ion:	130	Resp:	244589
Ion Ratio	Lower	Upper	
130	100		
95	104.8	0.0	211.4





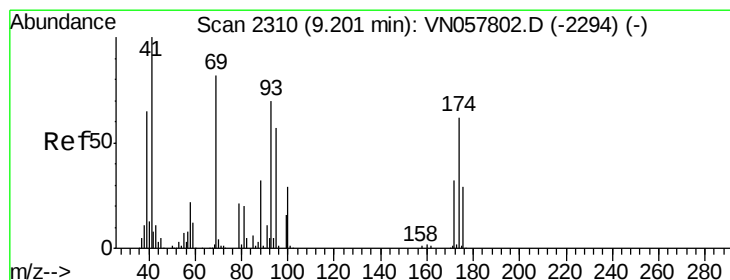
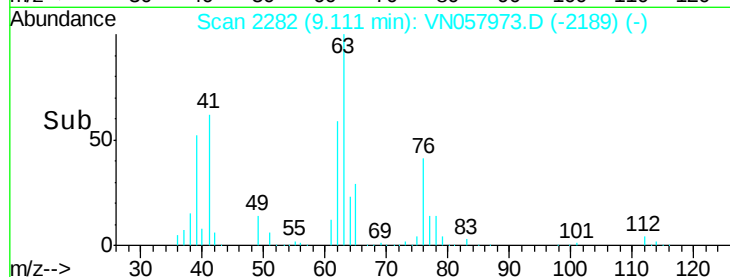
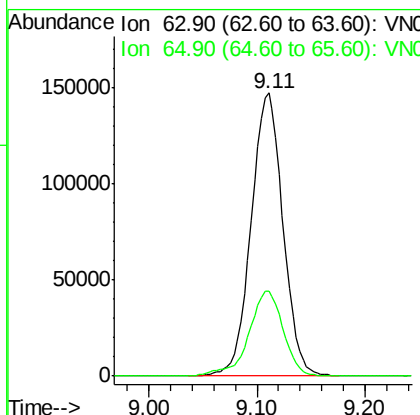
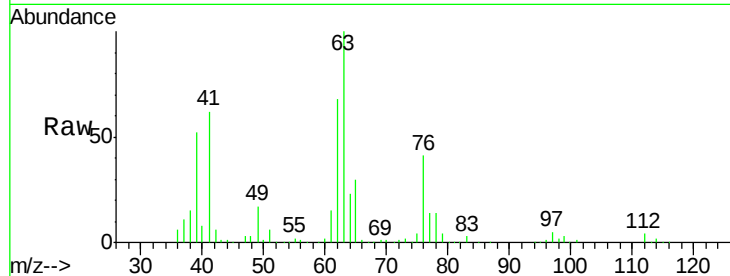
#45
 1,2-Dichloropropane
 Concen: 47.488 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 302213
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.8 37.2

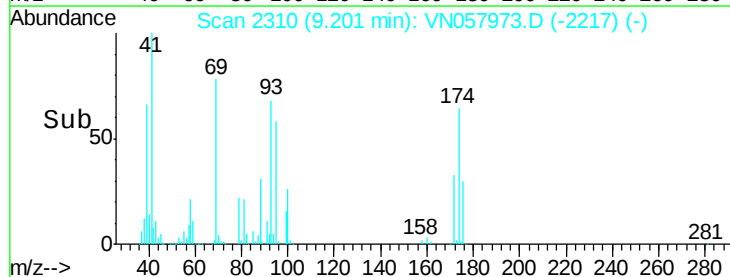
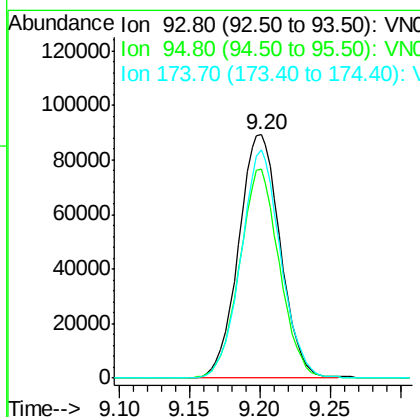
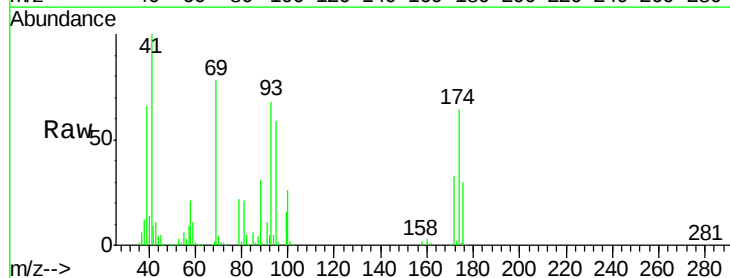
Manual Integrations
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#46
 Dibromomethane
 Concen: 47.869 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Tgt Ion: 93 Resp: 184087
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.9 98.9
 174 89.6 71.8 107.6





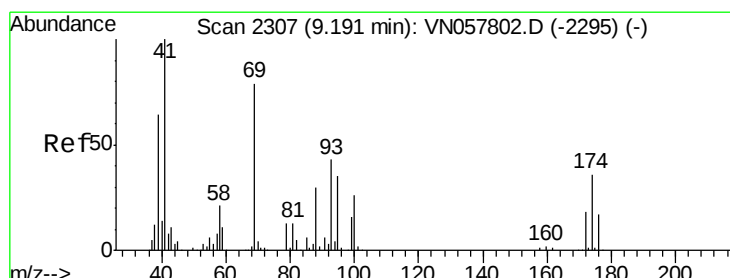
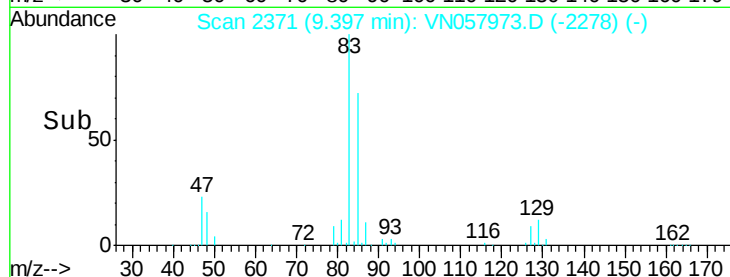
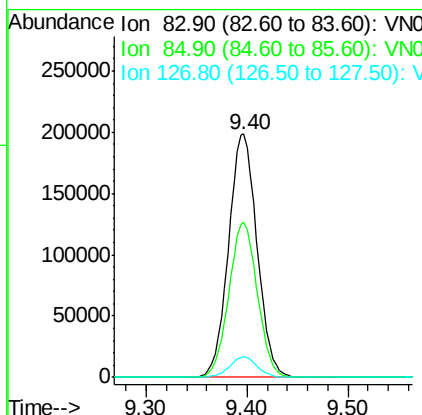
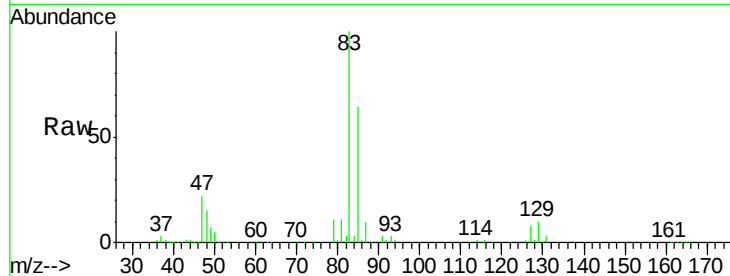
#47
Bromodichloromethane
Concen: 50.844 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	390445
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	49.9	74.9
127	8.4	6.5	9.7

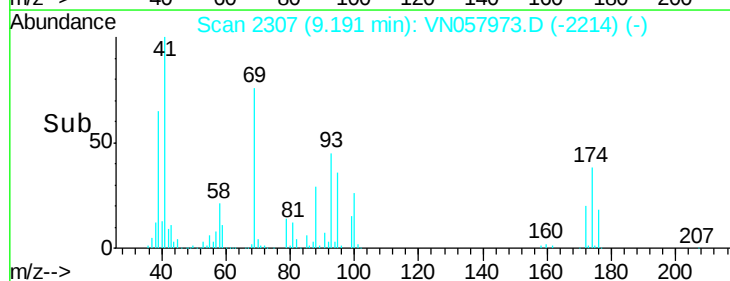
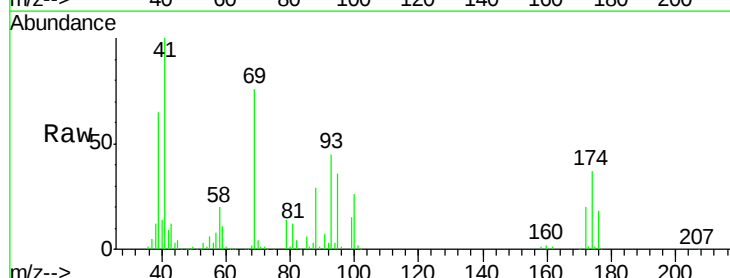
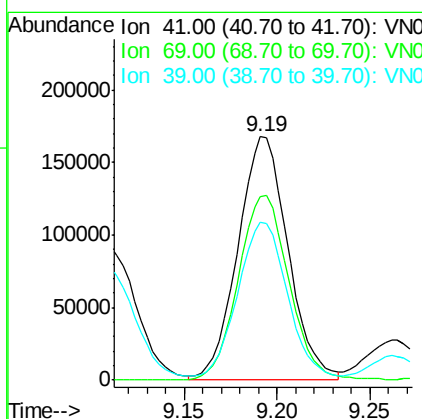
Manual Integrations
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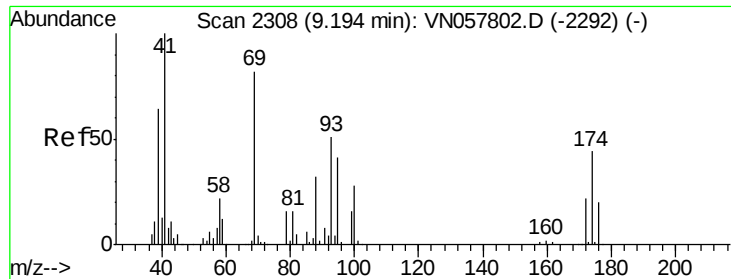
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#48
Methyl methacrylate
Concen: 48.972 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Tgt Ion	41	Resp	313546
Ion Ratio	100	Lower	Upper
41	100		
69	76.8	62.7	94.1
39	64.9	52.7	79.1





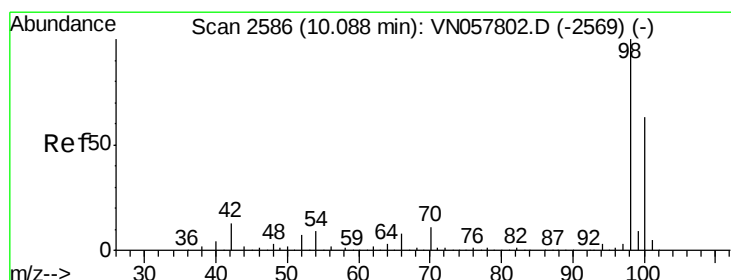
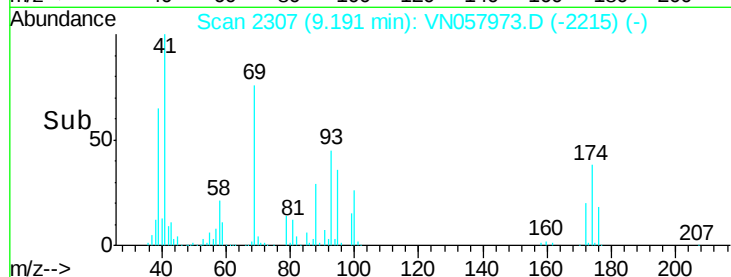
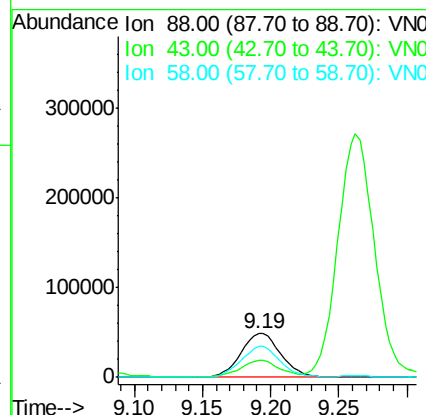
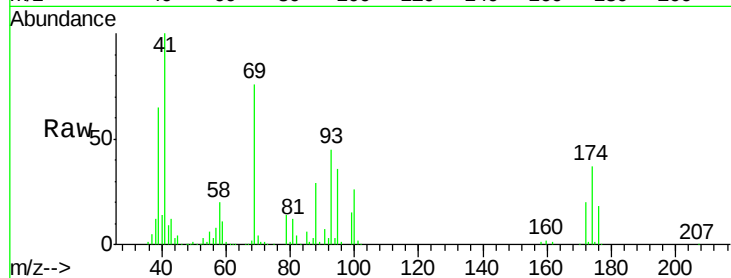
#49
 1,4-Dioxane
 Concen: 920.012 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	99612
Ion	Ratio	Lower	Upper
88	100		
43	36.7	28.5	42.7
58	68.3	55.8	83.6

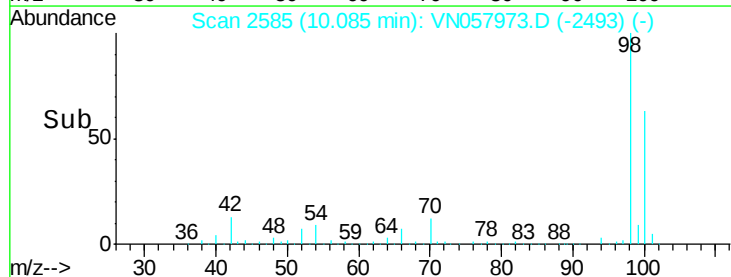
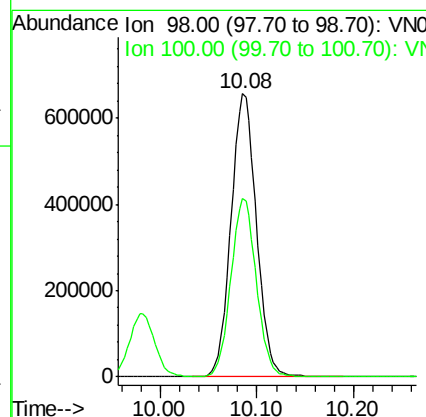
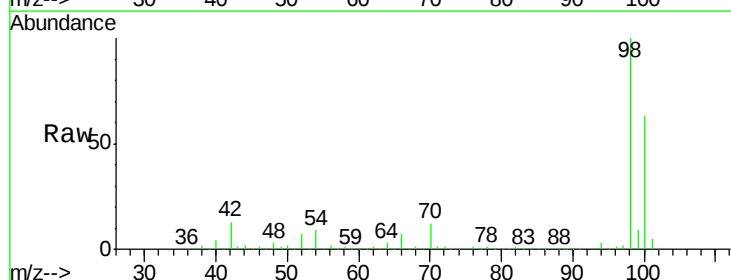
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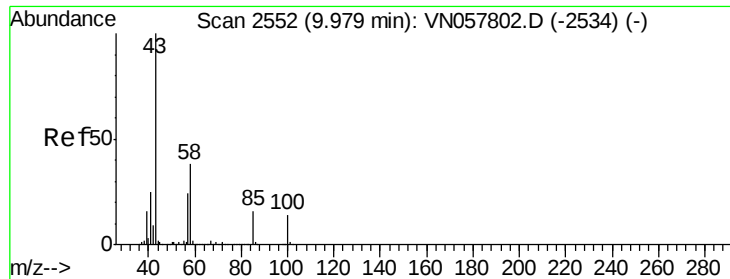
MMDadoda
 9/13/2019 1:05:49 PM



#50
 Toluene-d8
 Concen: 53.472 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Tgt Ion	98	Resp	1200235
Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 264.659 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1976769

Ion Ratio Lower Upper

43 100

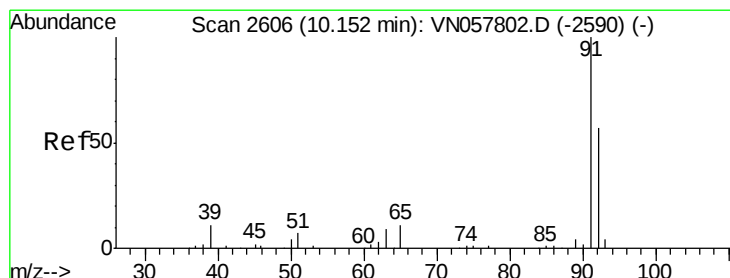
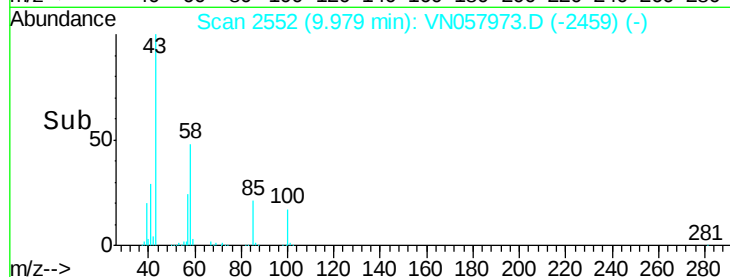
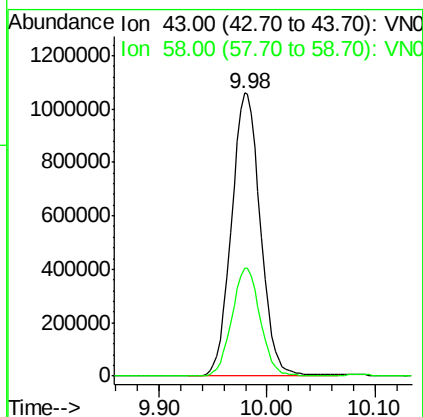
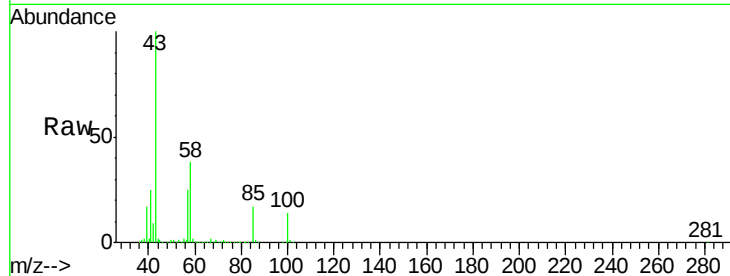
58 37.6 29.8 44.6

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#52

Toluene

Concen: 46.782 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057973.D

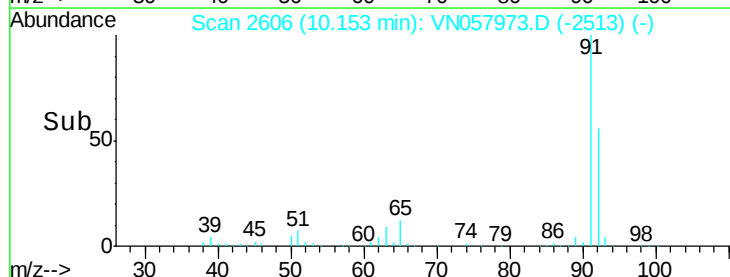
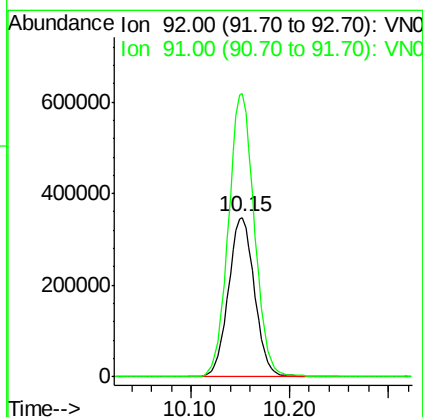
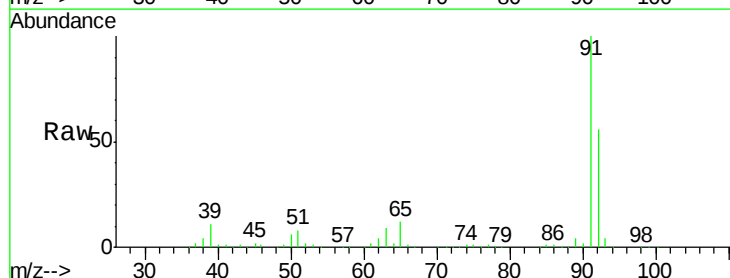
Acq: 12 Sep 2019 16:39

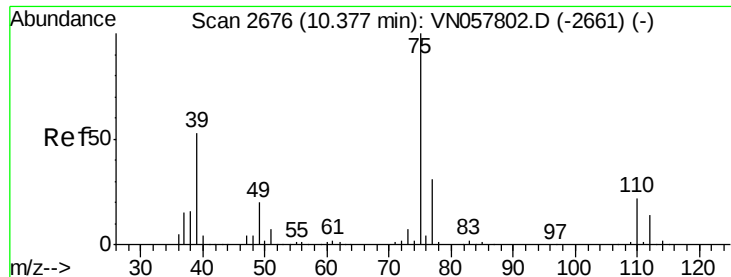
Tgt Ion: 92 Resp: 644413

Ion Ratio Lower Upper

92 100

91 176.6 141.0 211.6





#53

t-1,3-Dichloropropene

Concen: 50.970 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 412181

Ion Ratio Lower Upper

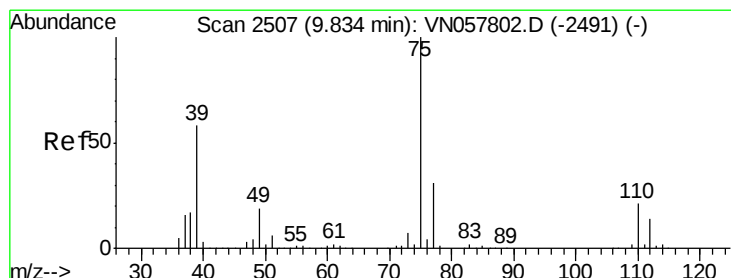
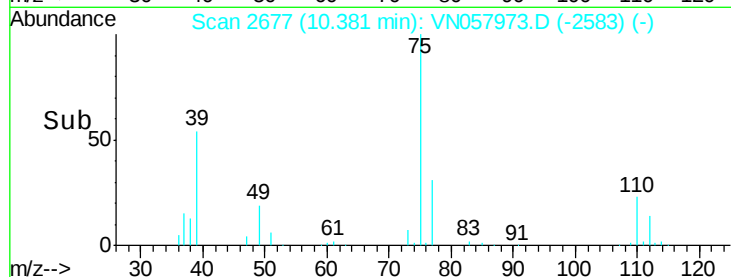
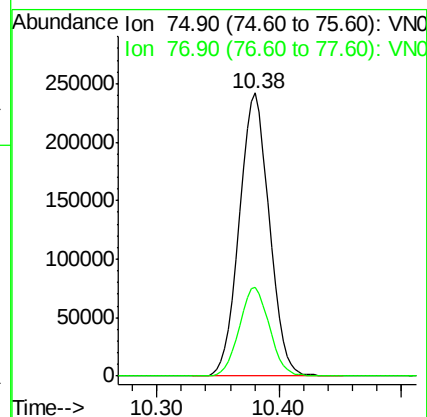
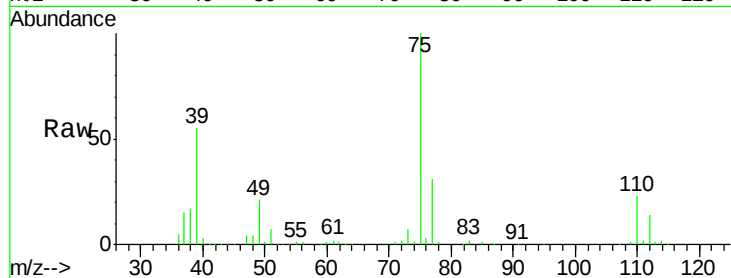
75 100

77 31.5 24.5 36.7

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 50.409 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

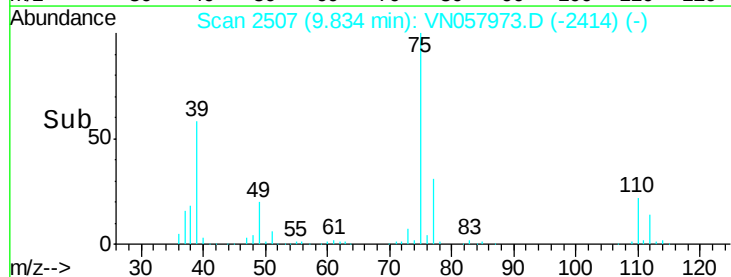
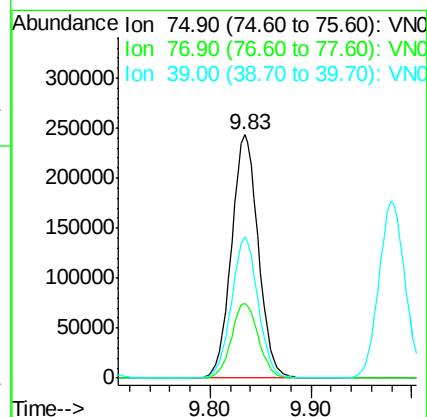
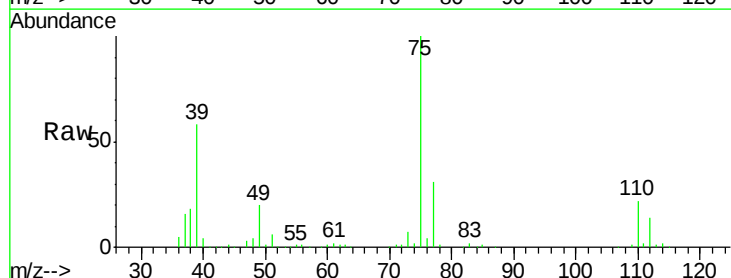
Tgt Ion: 75 Resp: 450066

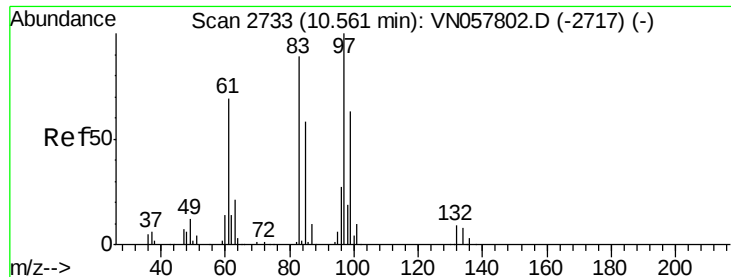
Ion Ratio Lower Upper

75 100

77 30.6 24.8 37.2

39 58.1 46.2 69.4





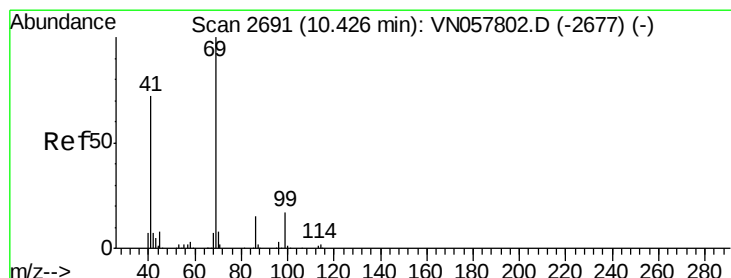
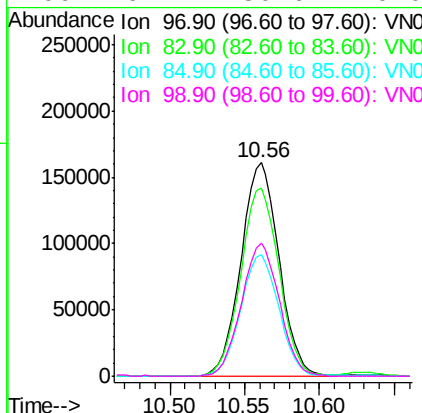
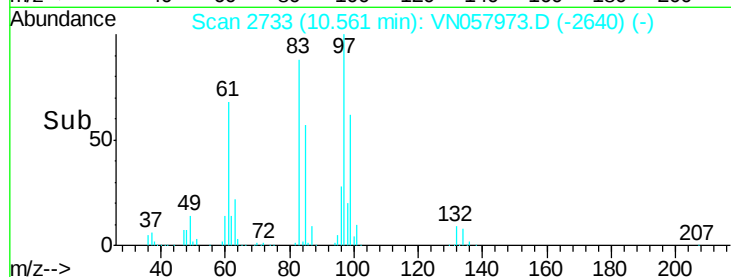
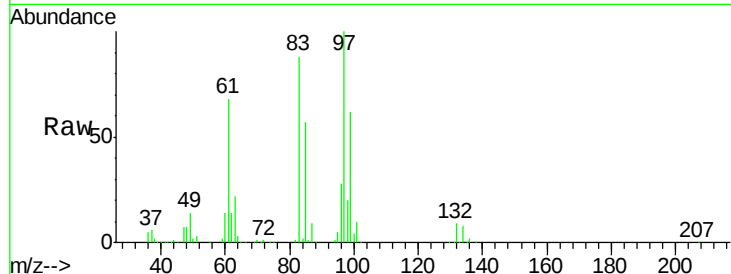
#55
 1,1,2-Trichloroethane
 Concen: 48.901 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	285331
Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.8	106.2
85	57.1	46.0	69.0
99	62.2	50.6	76.0

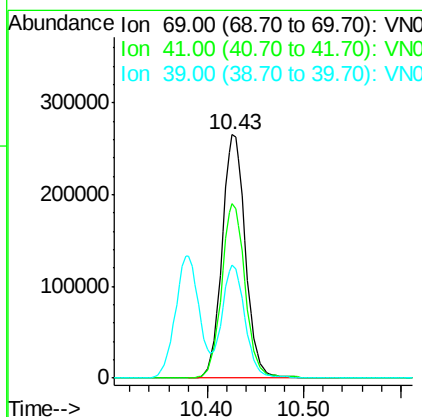
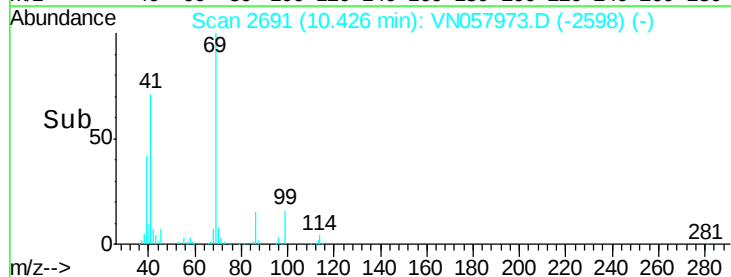
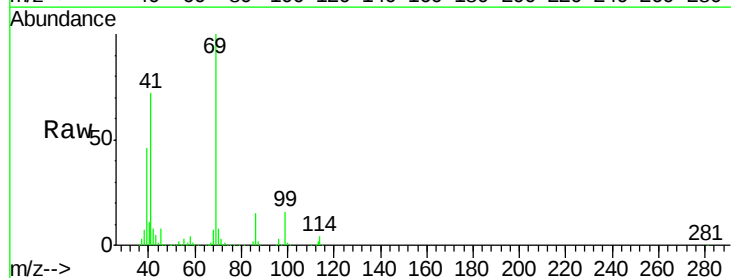
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 50.553 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Tgt Ion:	69	Resp:	444196
Ion	Ratio	Lower	Upper
69	100		
41	71.4	56.7	85.1
39	45.7	36.3	54.5





#57

1,3-Dichloropropane

Concen: 48.516 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 487861

Ion Ratio Lower Upper

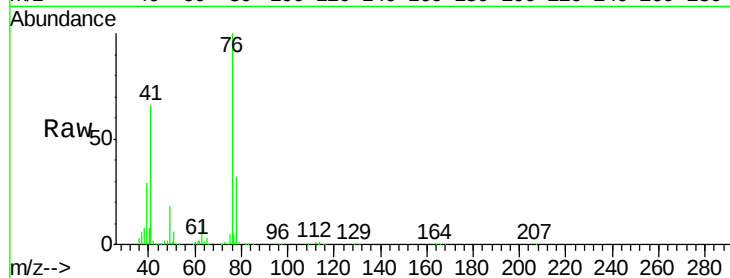
76 100

78 32.2 25.4 38.2

Manual Integrations
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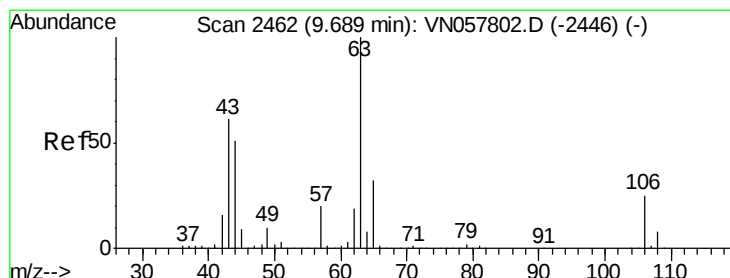
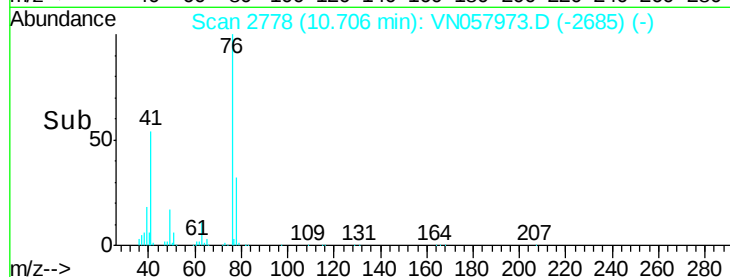
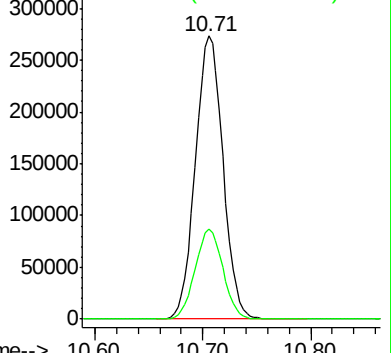
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 202.427 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057973.D

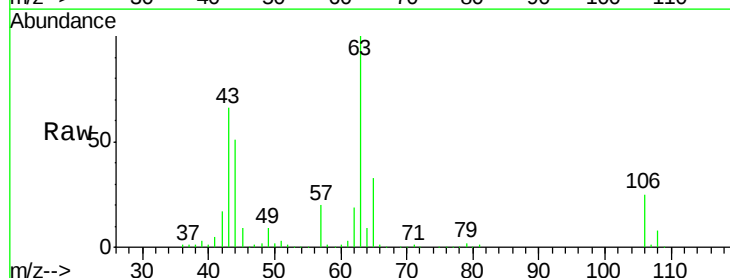
Acq: 12 Sep 2019 16:39

Tgt Ion: 63 Resp: 837736

Ion Ratio Lower Upper

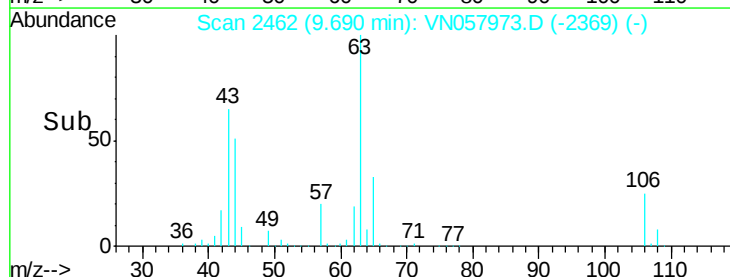
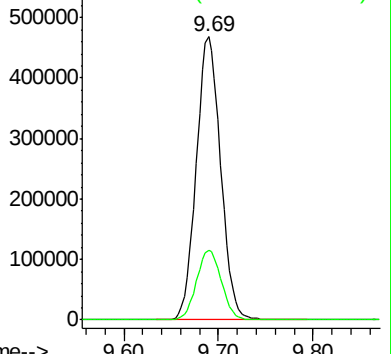
63 100

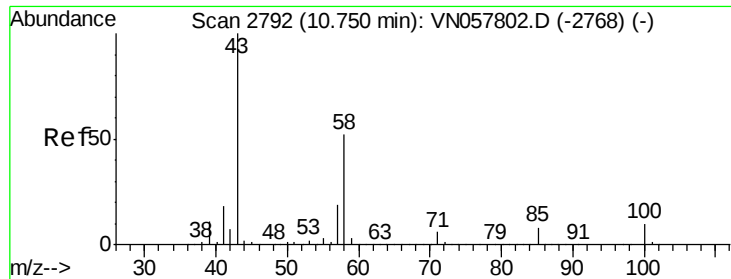
106 25.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





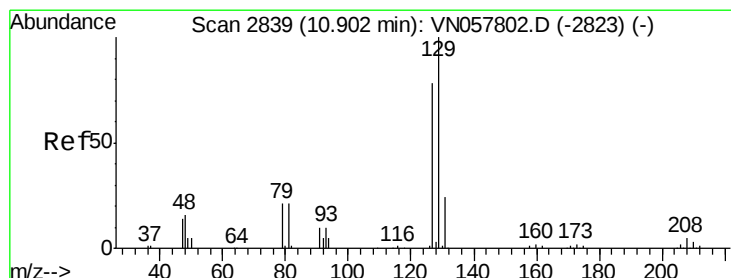
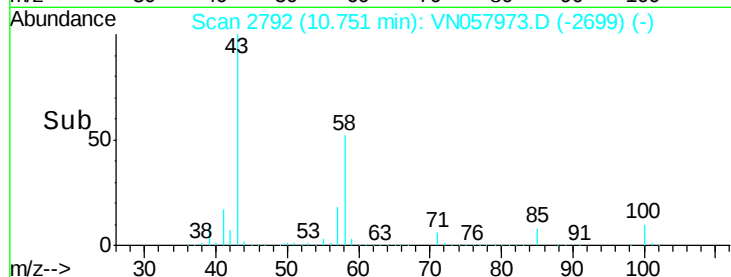
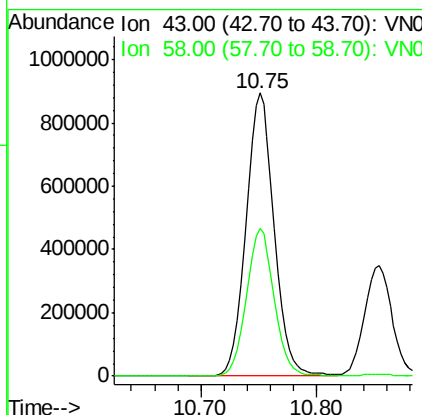
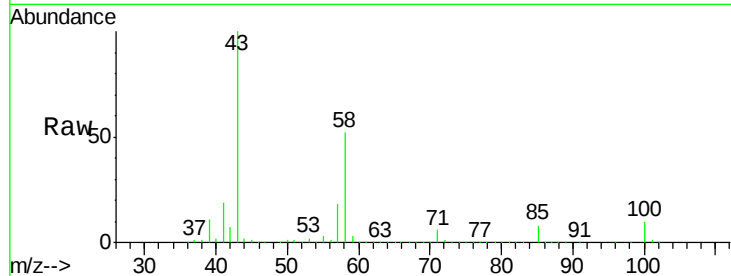
#59
2-Hexanone
Concen: 268.901 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1505411
Ion Ratio Lower Upper
43 100
58 51.6 25.6 76.8

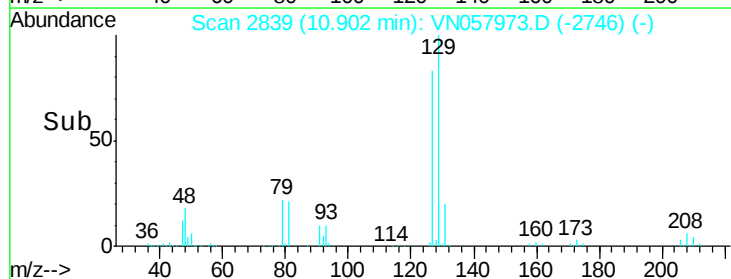
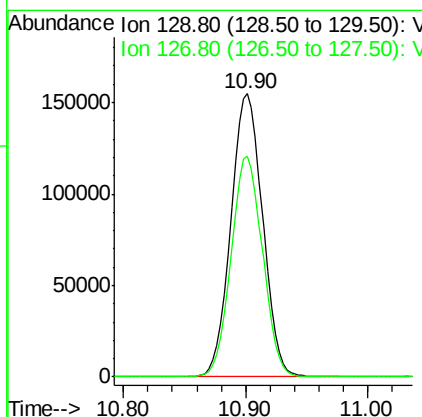
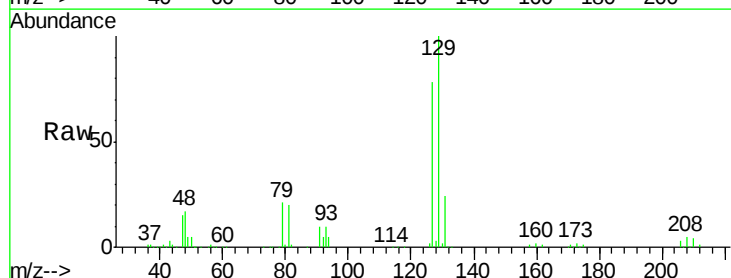
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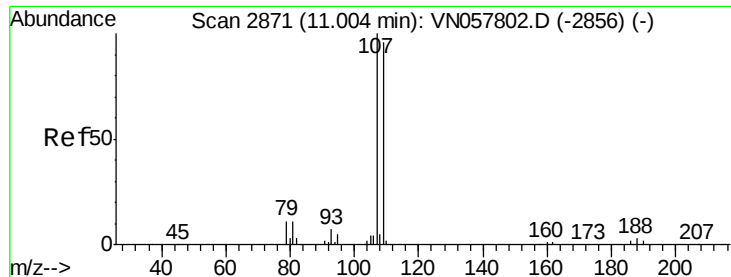
MMDadoda
9/13/2019 1:05:49 PM



#60
Dibromochloromethane
Concen: 51.672 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Tgt Ion: 129 Resp: 279968
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0





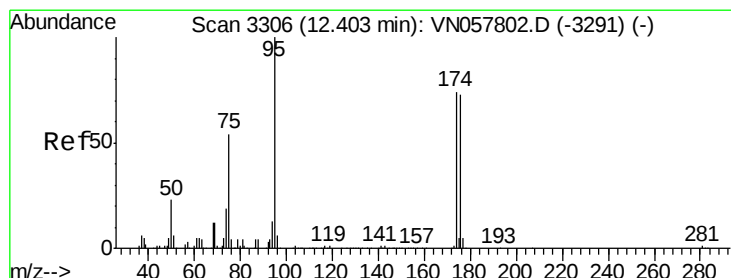
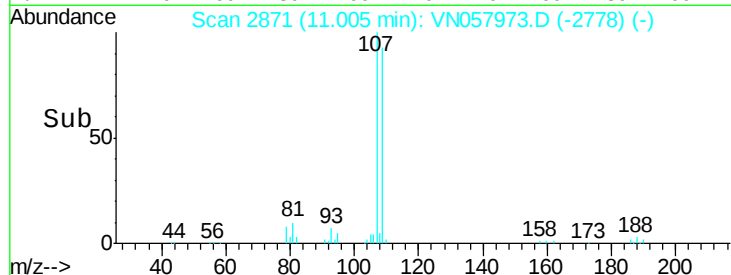
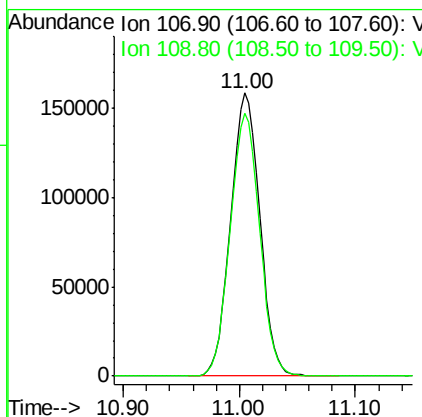
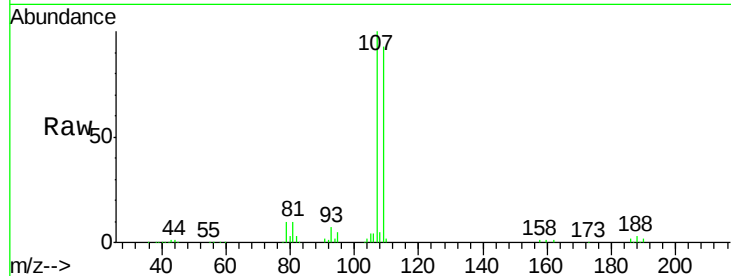
#61
 1,2-Dibromoethane
 Concen: 49.886 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.3	112.9

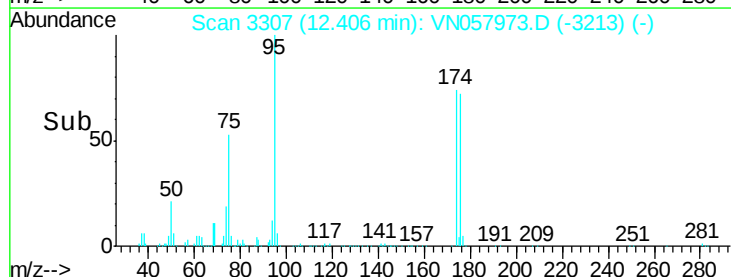
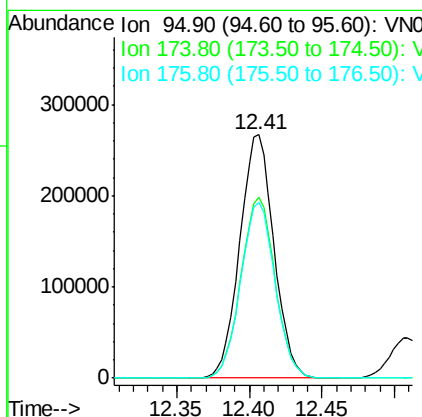
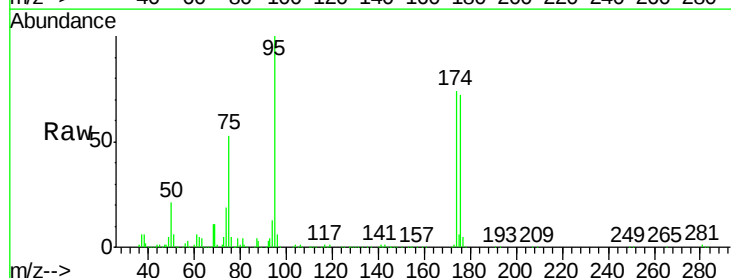
Manual Integrations
 APPROVED

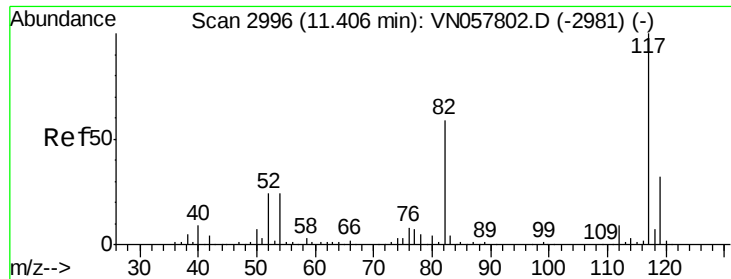
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 51.173 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	150.2
176	72.6	0.0	146.0





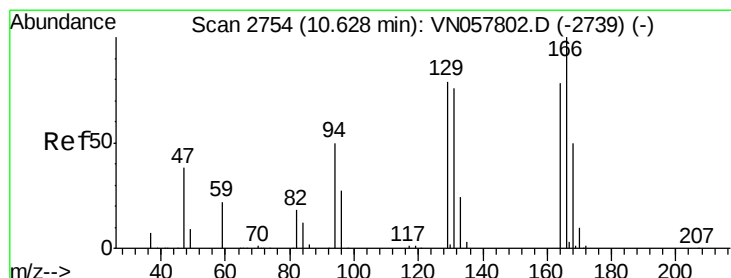
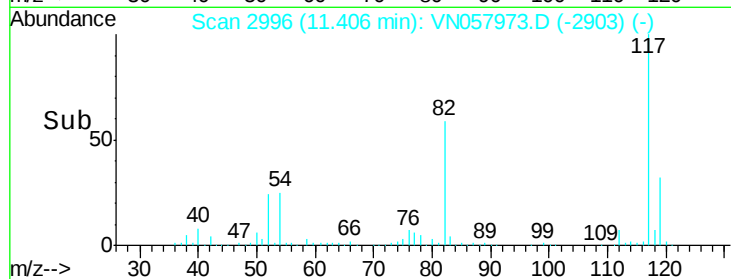
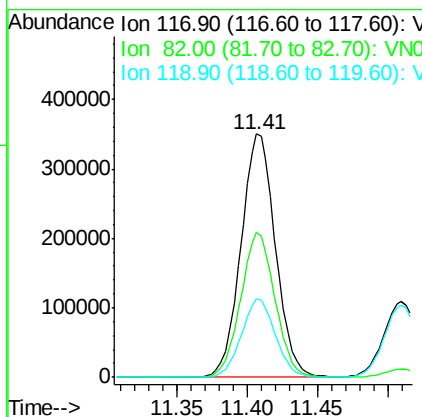
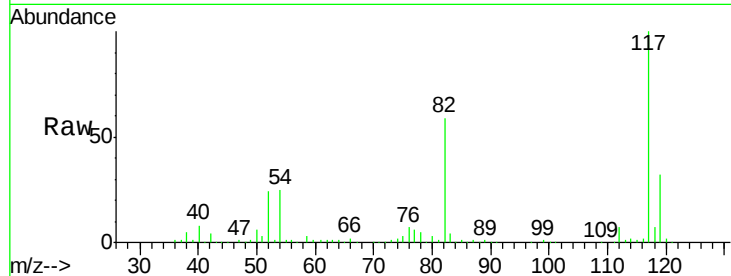
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.2	70.8
119	32.2	25.3	37.9

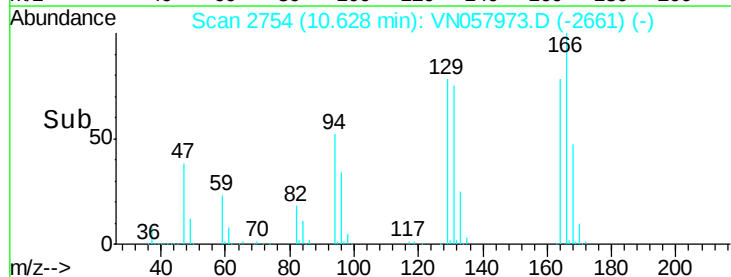
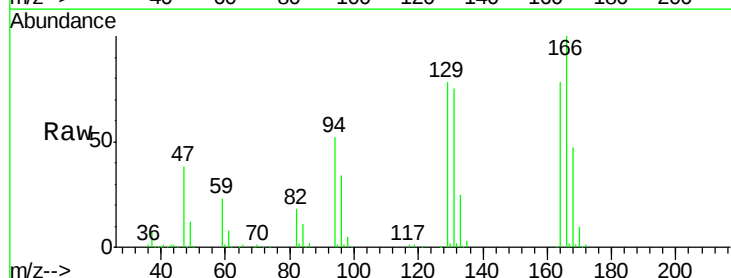
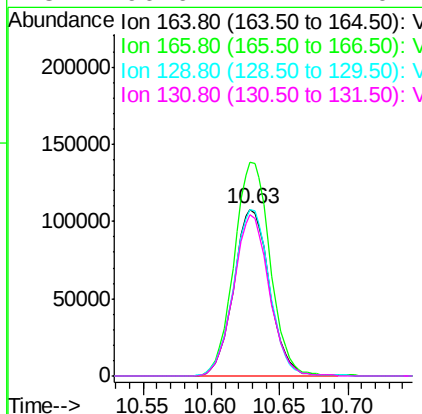
Manual Integrations
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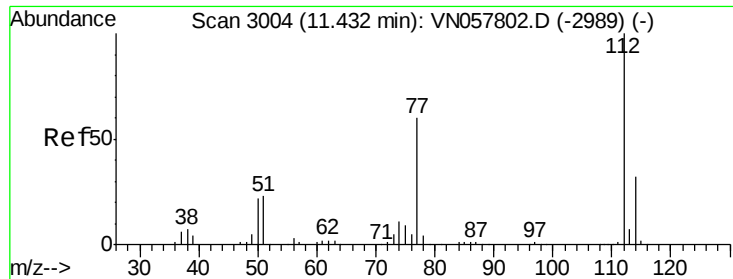
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#64
Tetrachloroethene
Concen: 44.426 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.2	153.2
129	100.1	80.8	121.2
131	96.6	77.4	116.2





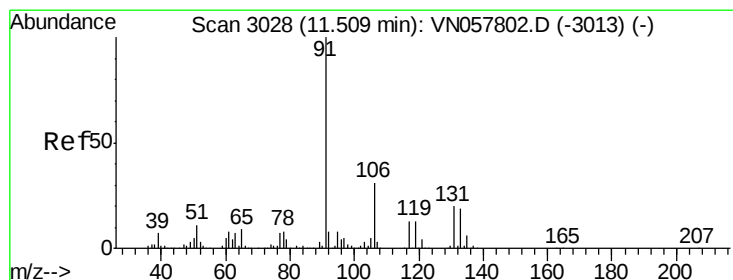
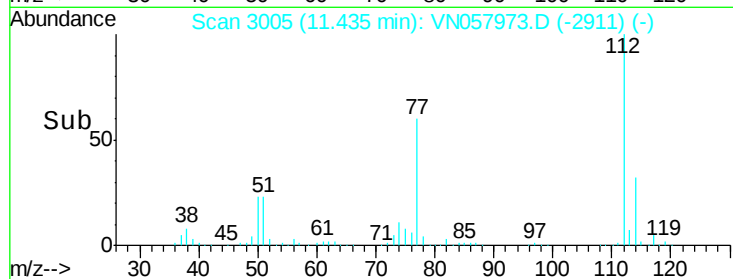
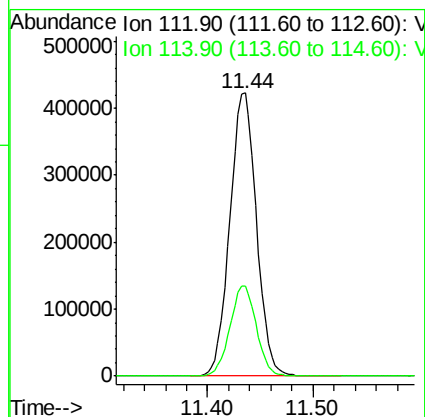
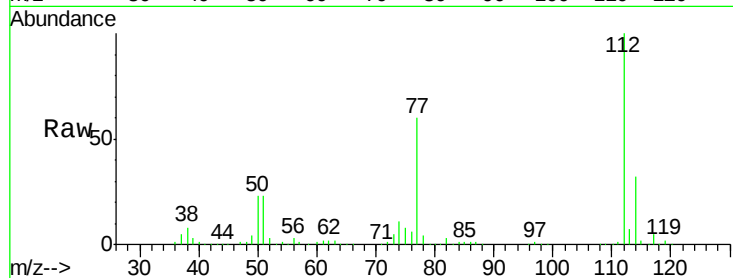
#65
Chlorobenzene
Concen: 46.945 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 737110
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8

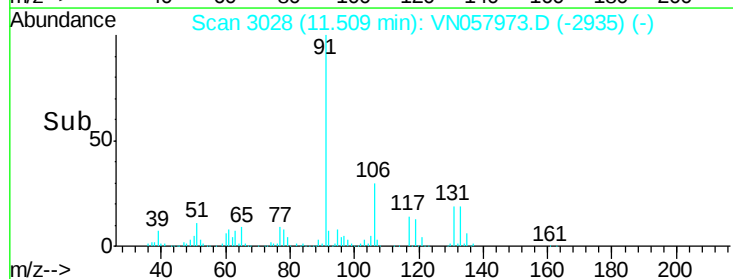
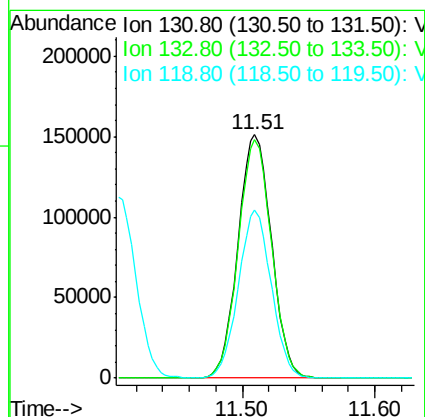
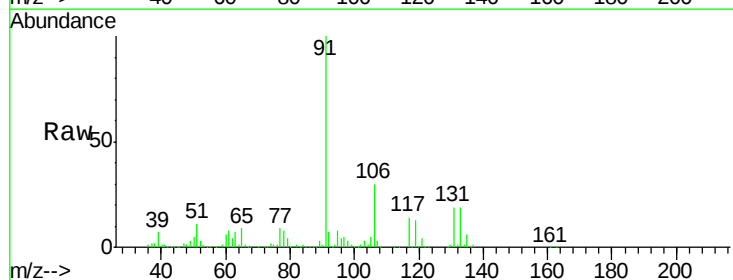
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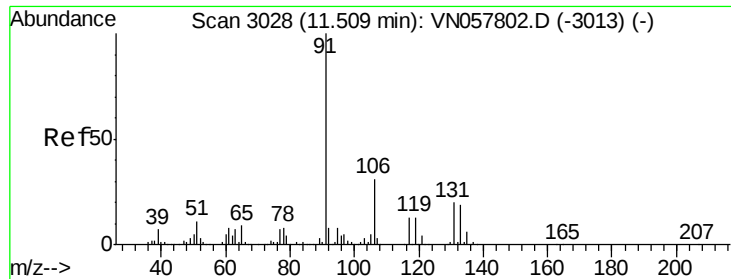
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9/13/2019 1:05:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.613 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Tgt Ion:131 Resp: 264861
Ion Ratio Lower Upper
131 100
133 97.6 47.1 141.3
119 67.9 33.3 99.8





#67

Ethyl Benzene

Concen: 48.789 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1342538

Ion Ratio Lower Upper

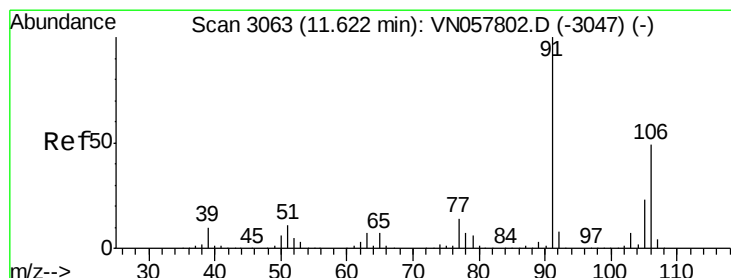
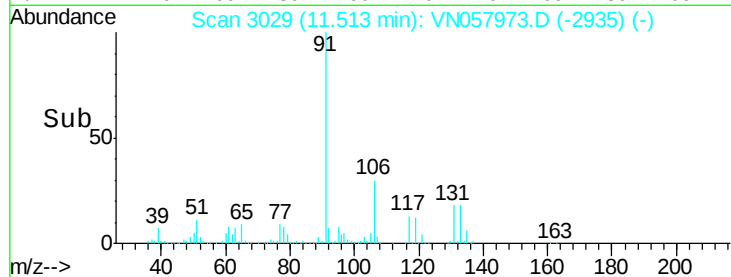
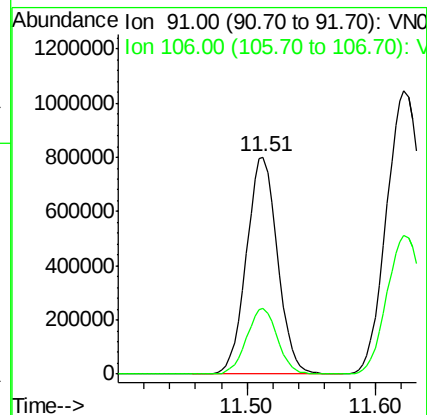
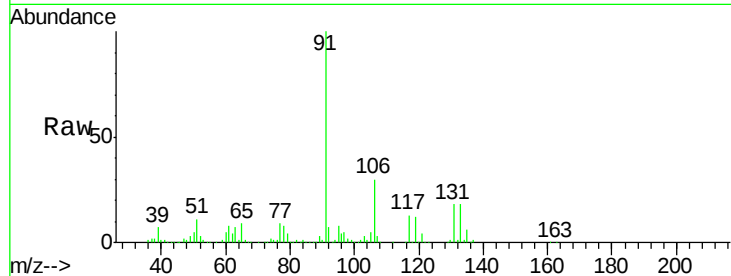
91 100

106 30.3 24.4 36.6

Manual Integrations
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9/13/2019 1:05:49 PM



#68

m/p-Xylenes

Concen: 97.867 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN057973.D

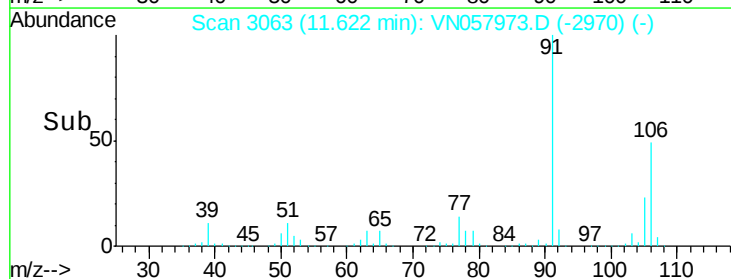
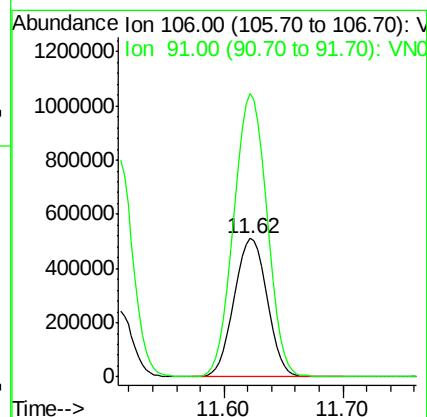
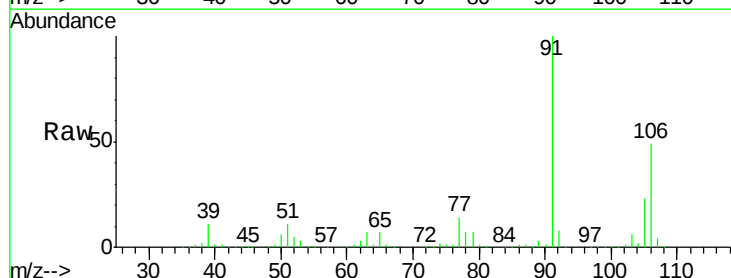
Acq: 12 Sep 2019 16:39

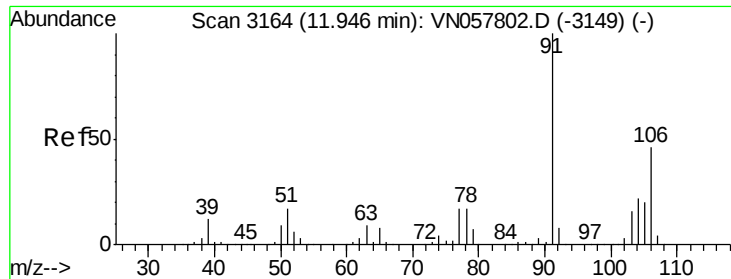
Tgt Ion: 106 Resp: 986461

Ion Ratio Lower Upper

106 100

91 206.0 165.8 248.6





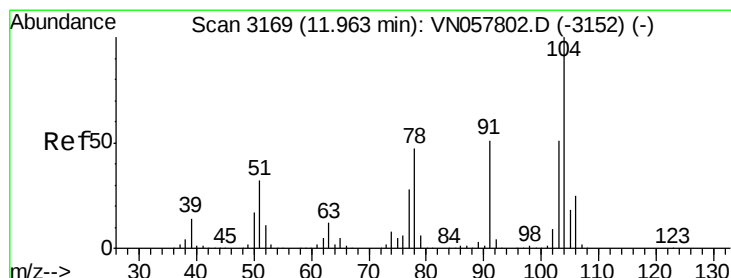
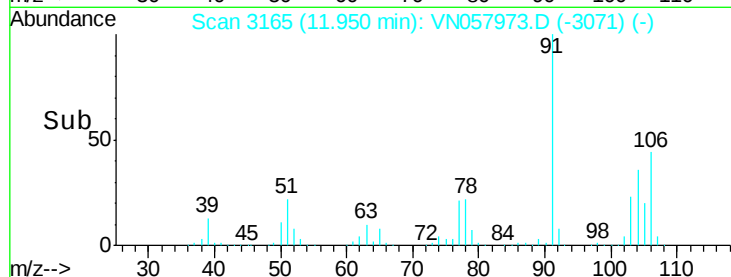
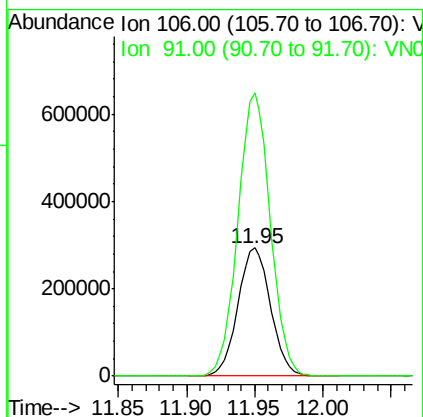
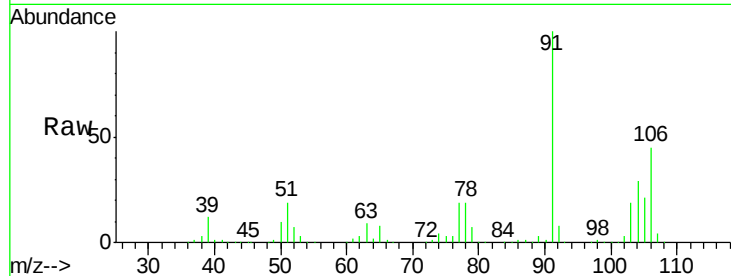
#69
o-Xylene
Concen: 48.692 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 487924
Ion Ratio Lower Upper
106 100
91 219.2 108.7 326.1

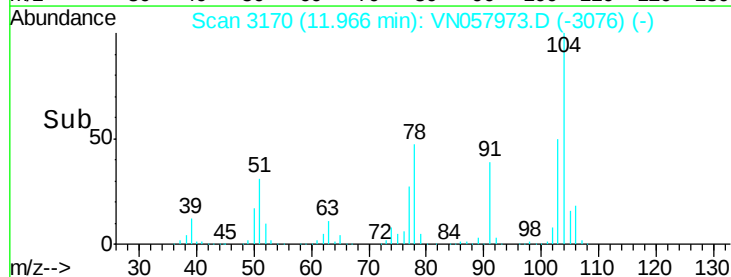
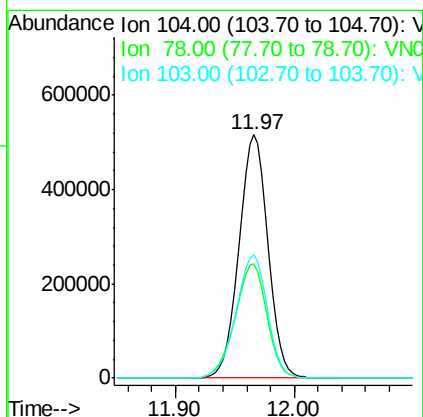
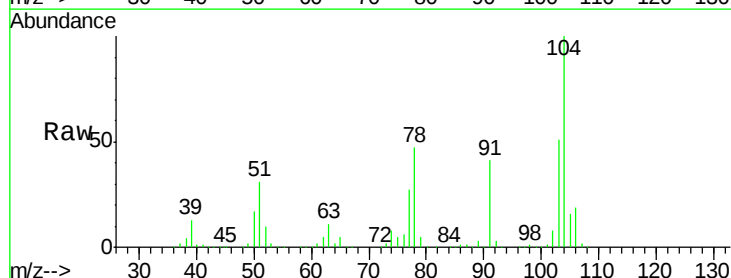
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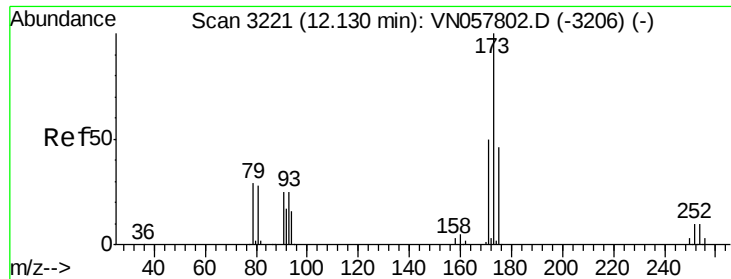
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#70
Styrene
Concen: 50.468 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057973.D
Acq: 12 Sep 2019 16:39

Tgt Ion:104 Resp: 870347
Ion Ratio Lower Upper
104 100
78 51.8 41.3 61.9
103 54.7 43.7 65.5





#71

Bromoform

Concen: 52.593 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

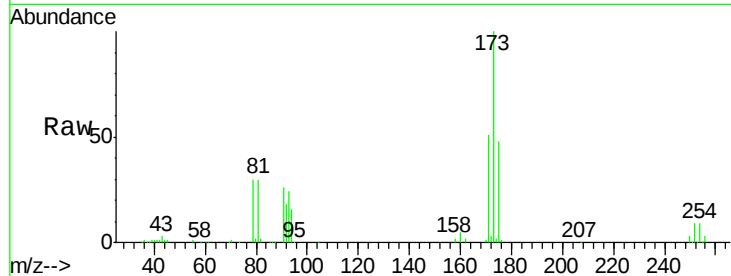
ClientSampleId :

VSTDCCC050

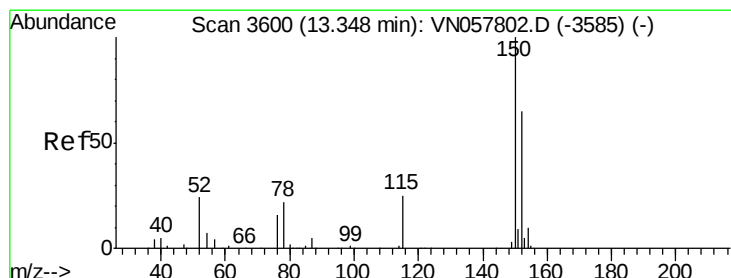
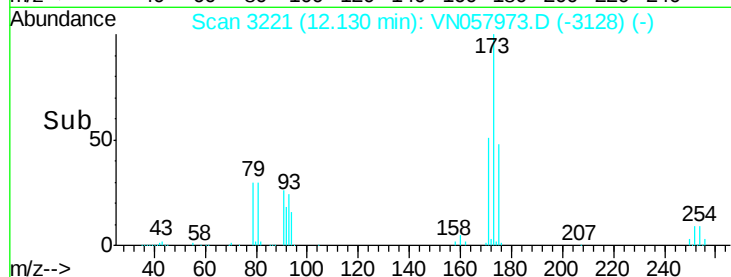
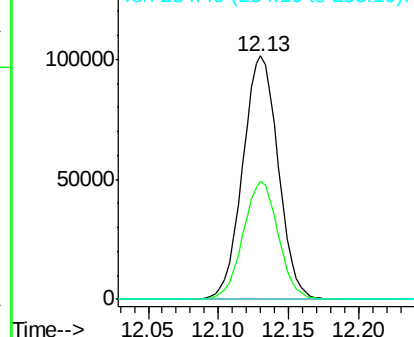
Tot Ion:	173	Resp:	178650
Ion Ratio	Lower	Upper	
173	100		
175	47.9	23.5	70.6
254	0.1	0.1	0.1

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9/13/2019 1:05:49 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

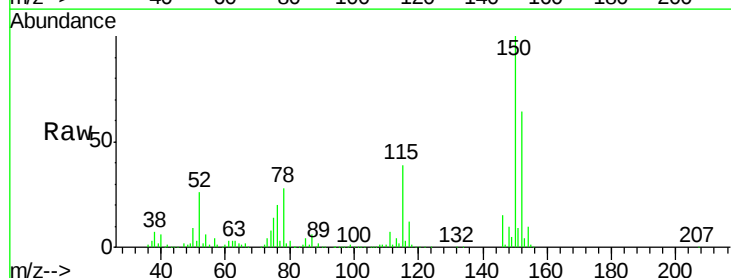
RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

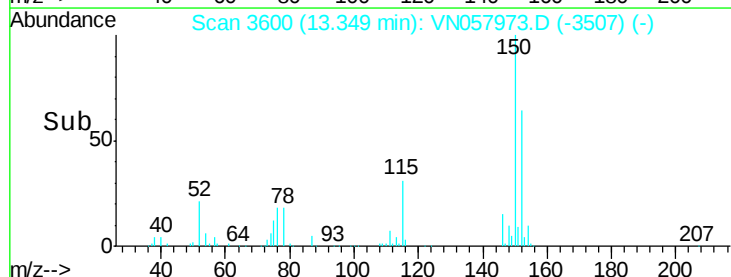
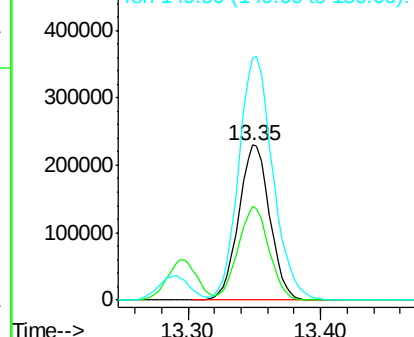
Lab File: VN057973.D

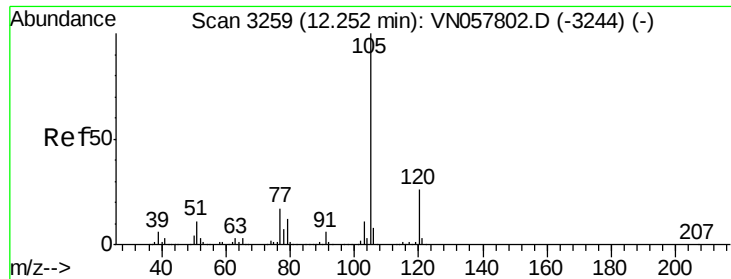
Acq: 12 Sep 2019 16:39

Tgt Ion:	152	Resp:	372978
Ion Ratio	Lower	Upper	
152	100		
115	60.2	30.3	91.0
150	172.7	0.0	352.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.688 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1380170

Ion Ratio Lower Upper

105 100

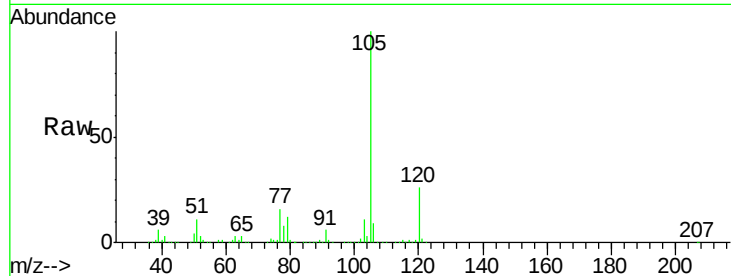
120 25.4 12.8 38.4

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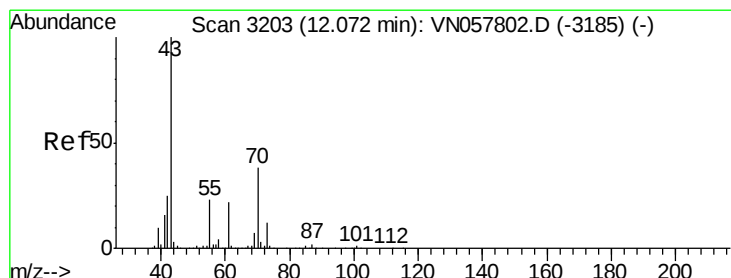
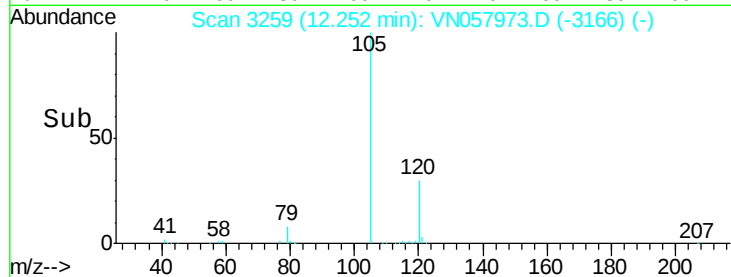
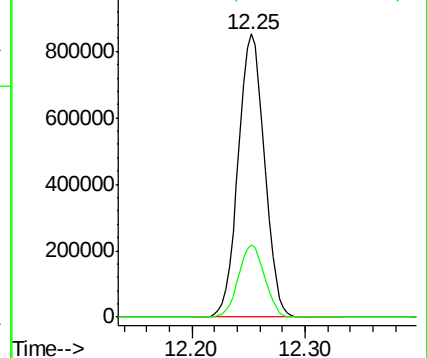
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.277 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Tgt Ion: 43 Resp: 608072

Ion Ratio Lower Upper

43 100

70 38.8 30.6 45.8

55 23.8 18.6 27.8

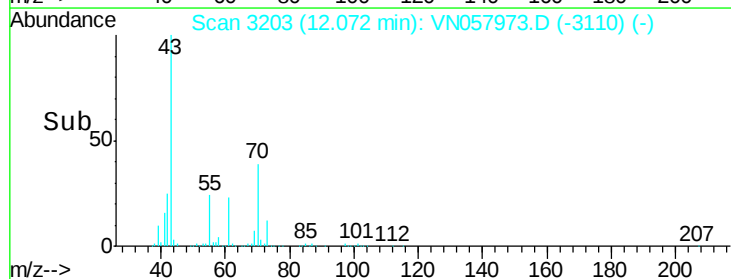
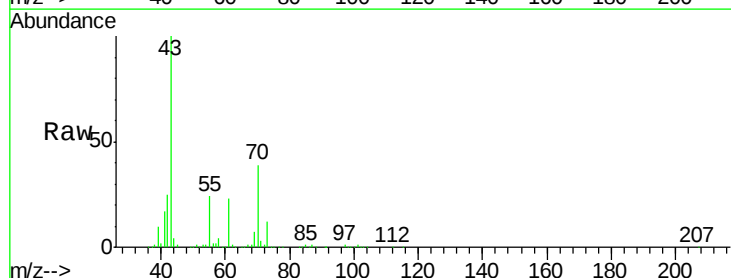
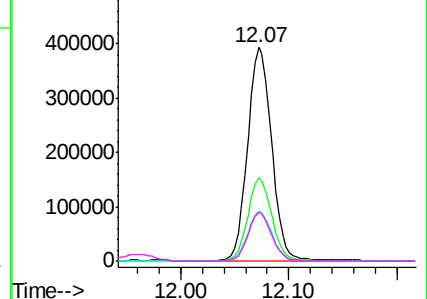
61 22.6 17.4 26.2

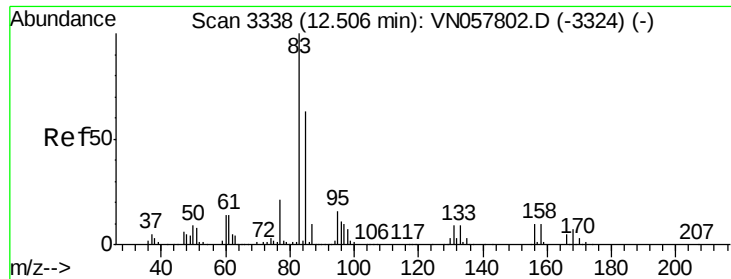
Abundance Ion 43.00 (42.70 to 43.70): V

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: 46.171 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

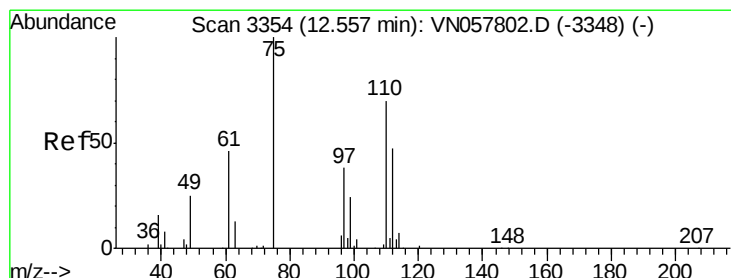
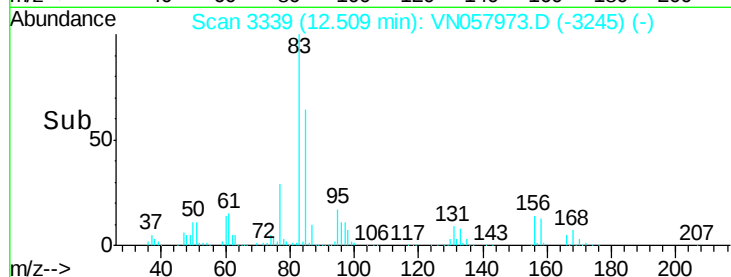
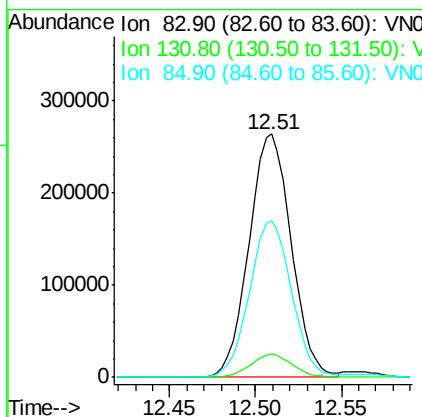
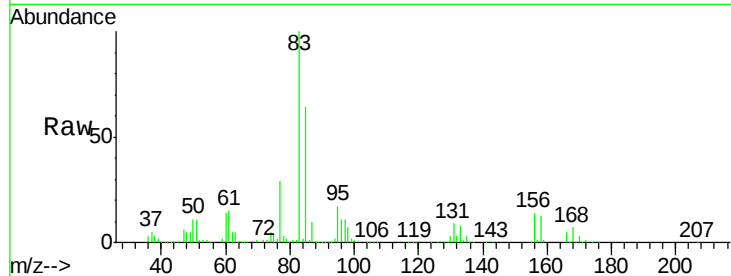
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	449920
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	63.9	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.059 ug/l m

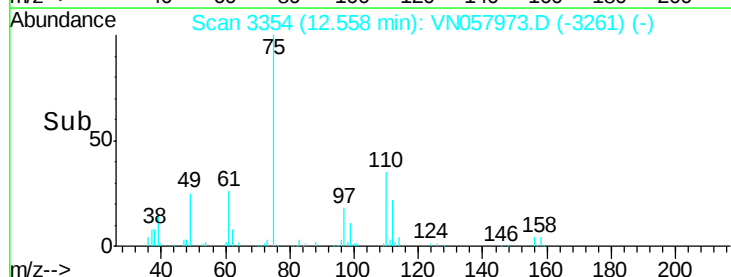
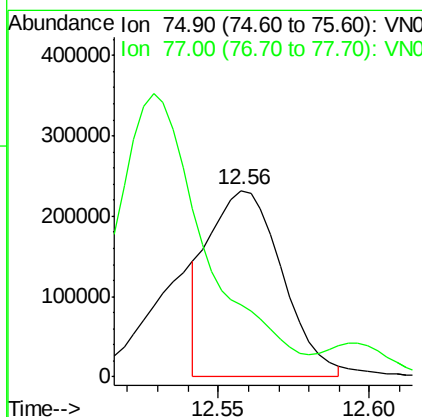
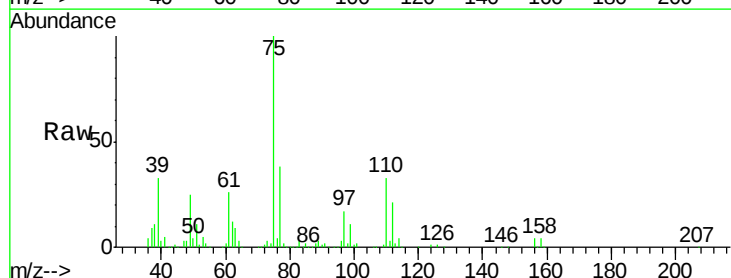
RT: 12.56 min Scan# 3354

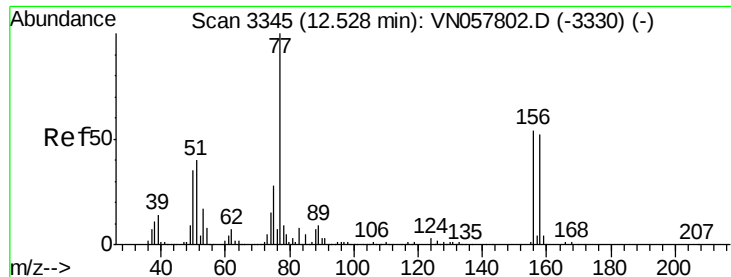
Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Tgt Ion:	75	Resp:	388622
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 44.211 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 319022

Ion Ratio Lower Upper

156 100

77 226.4 113.7 341.1

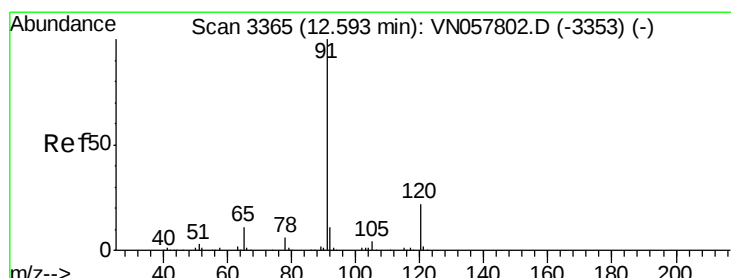
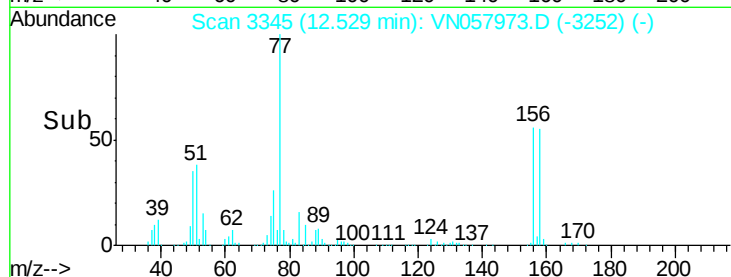
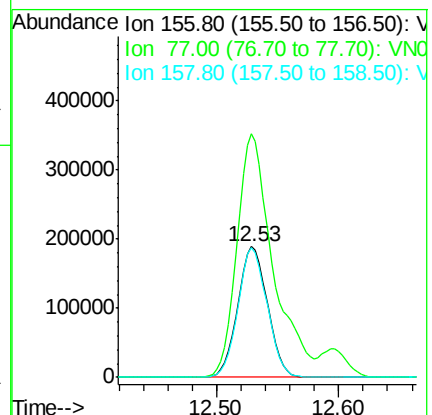
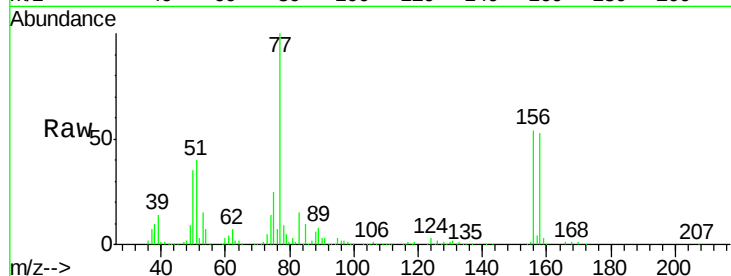
158 97.4 48.5 145.6

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#78

n-propylbenzene

Concen: 48.414 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057973.D

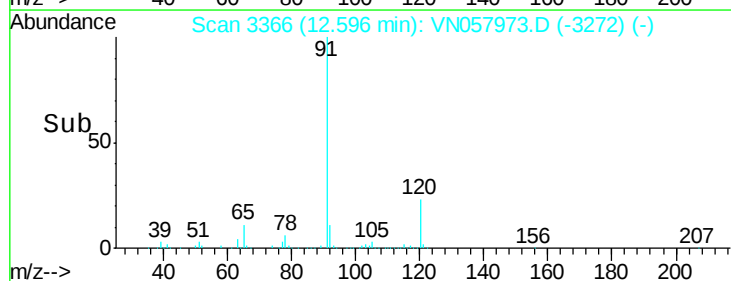
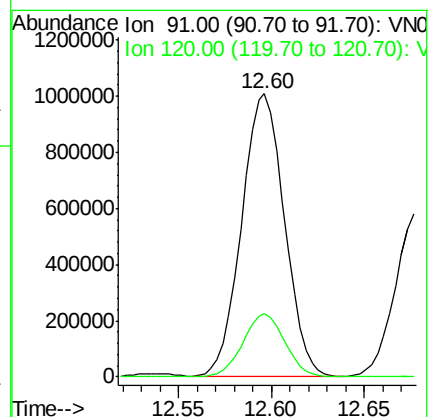
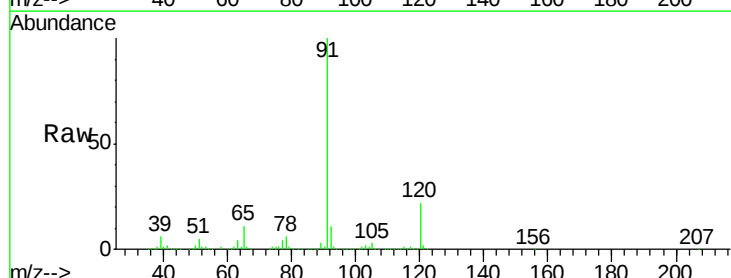
Acq: 12 Sep 2019 16:39

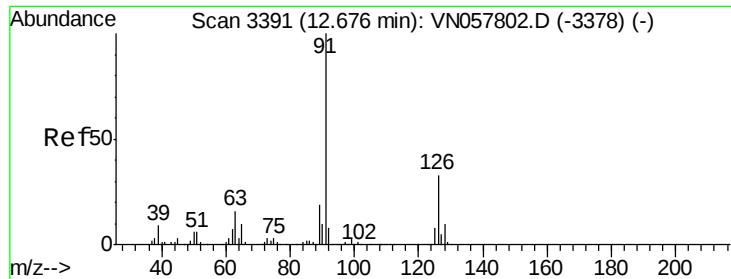
Tgt Ion: 91 Resp: 1609015

Ion Ratio Lower Upper

91 100

120 22.0 11.1 33.1





#79

2-Chlorotoluene

Concen: 45.996 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 966158

Ion Ratio Lower Upper

91 100

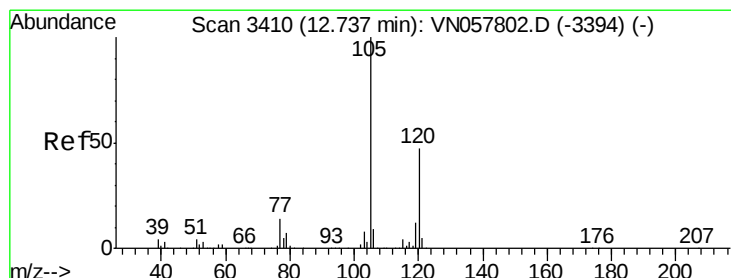
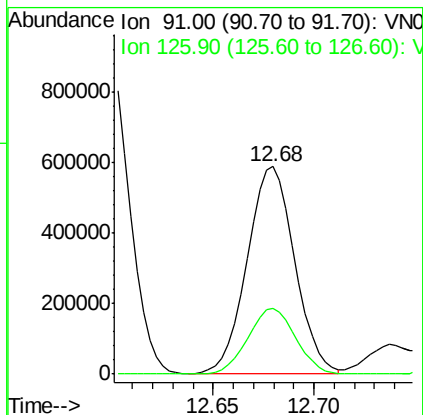
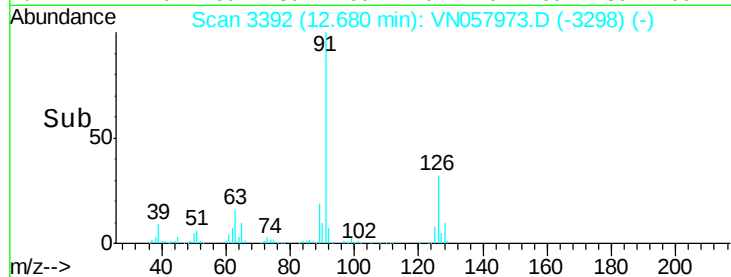
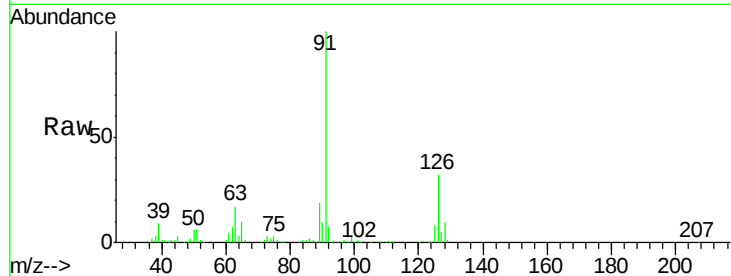
126 31.9 16.4 49.2

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#80

1,3,5-Trimethylbenzene

Concen: 48.635 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057973.D

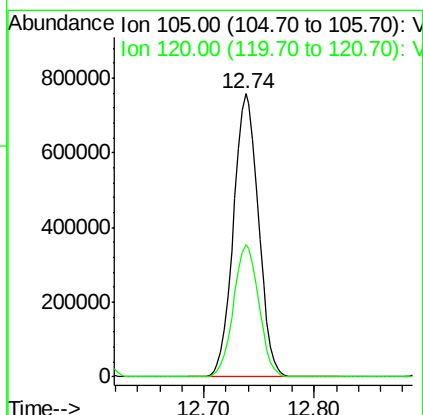
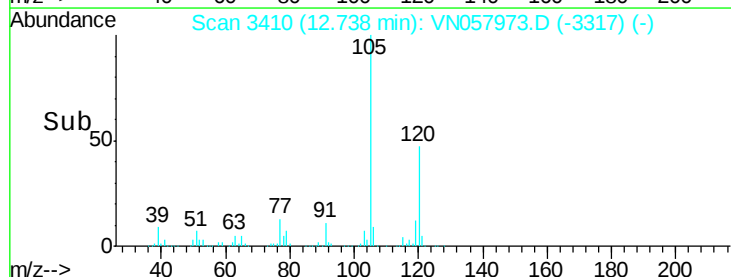
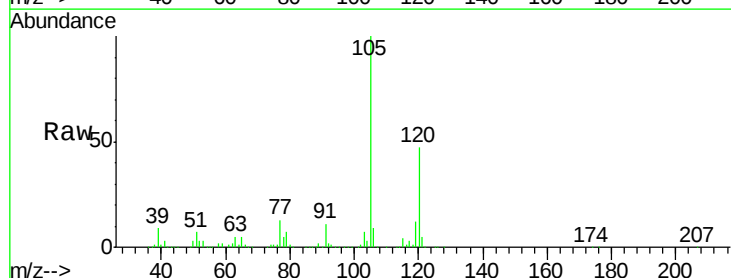
Acq: 12 Sep 2019 16:39

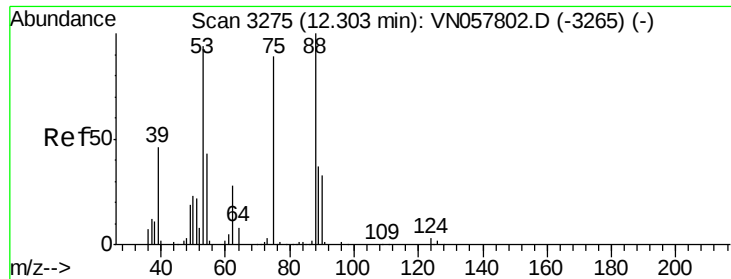
Tgt Ion: 105 Resp: 1189325

Ion Ratio Lower Upper

105 100

120 47.2 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 49.501 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

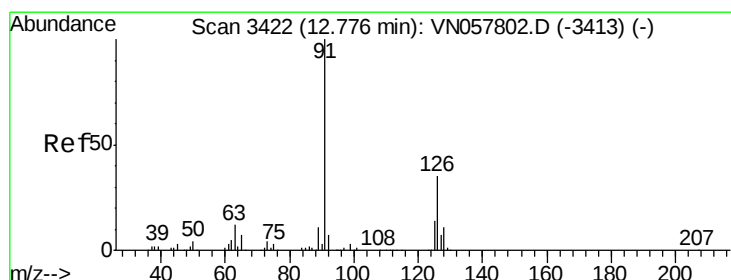
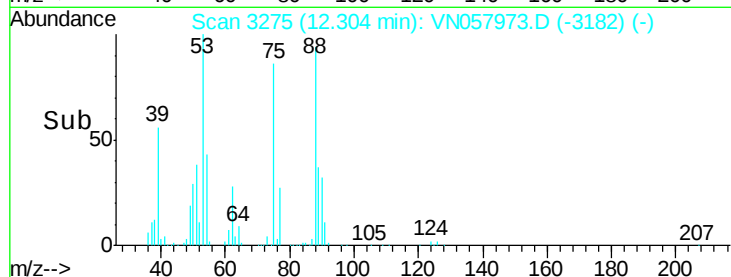
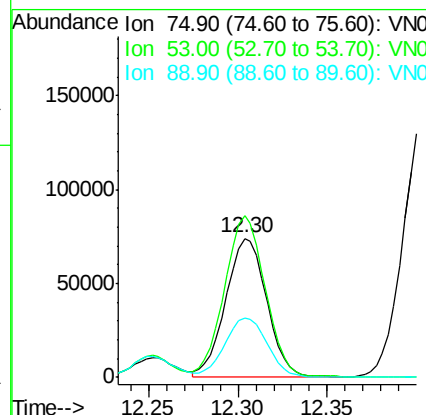
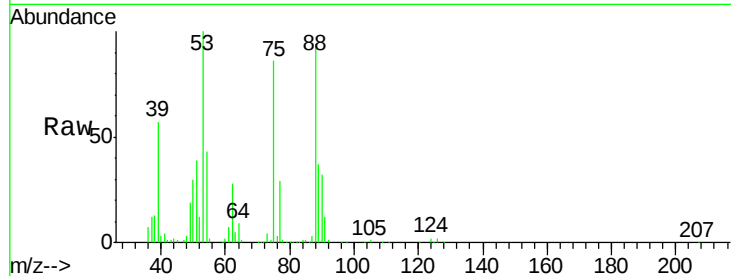
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	118687
Ion Ratio	Lower	Upper	
75	100		
53	116.2	88.4	132.6
89	44.4	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.589 ug/l

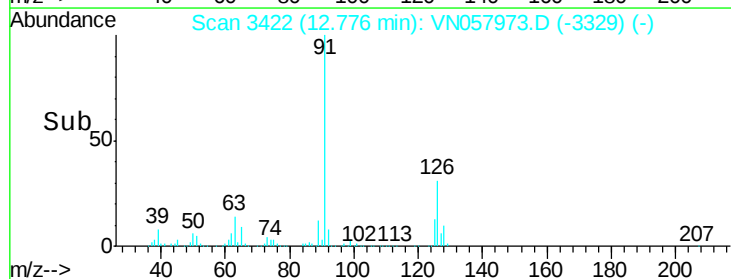
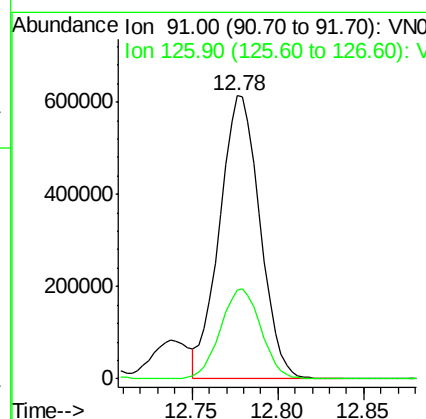
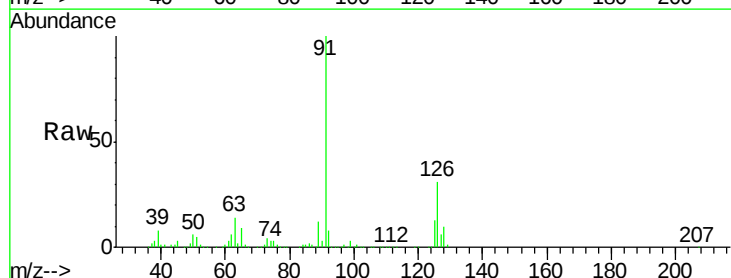
RT: 12.78 min Scan# 3422

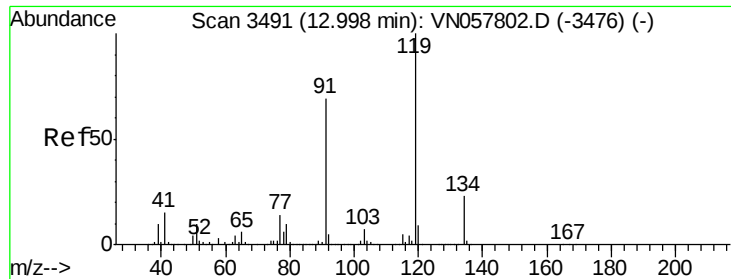
Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Tgt Ion:	91	Resp:	1004966
Ion Ratio	Lower	Upper	
91	100		
126	31.9	16.0	48.0





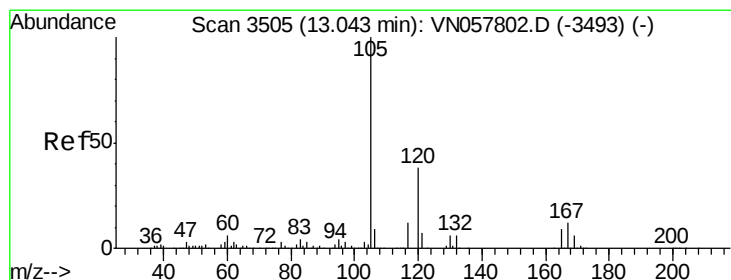
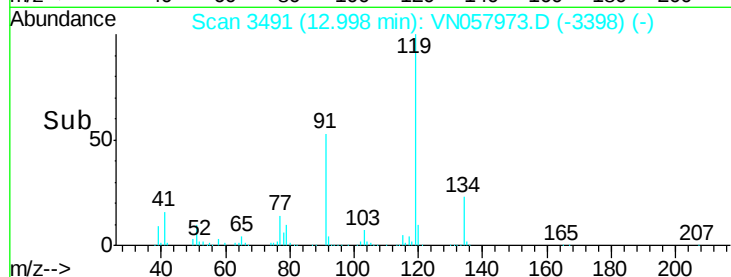
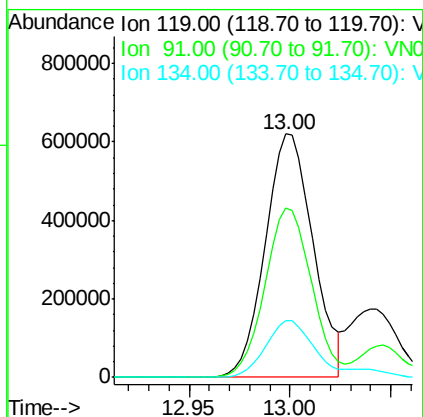
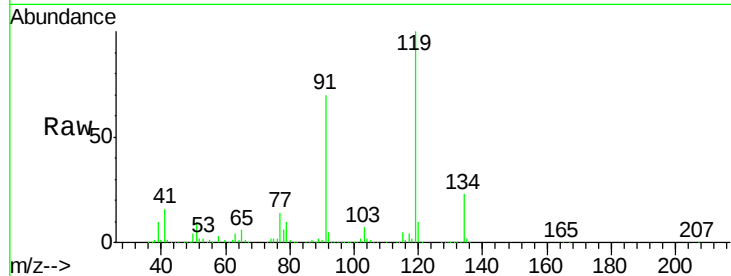
#83
 tert-Butylbenzene
 Concen: 46.953 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1020636
 Ion Ratio Lower Upper
 119 100
 91 67.8 33.6 100.8
 134 23.3 11.7 35.0

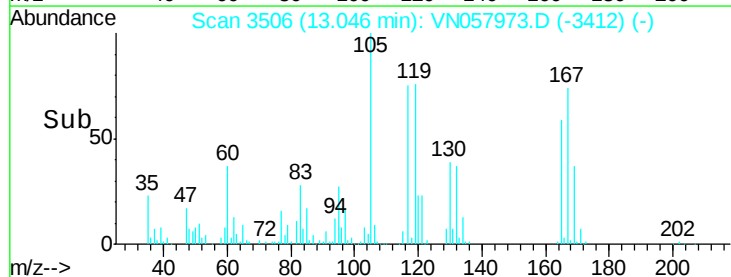
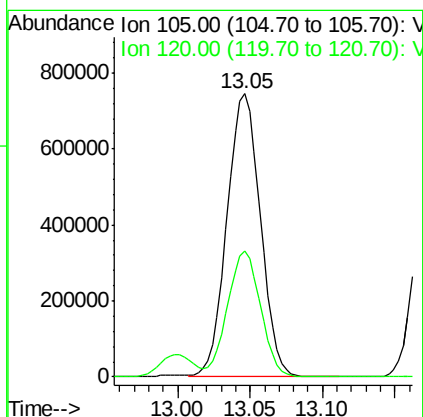
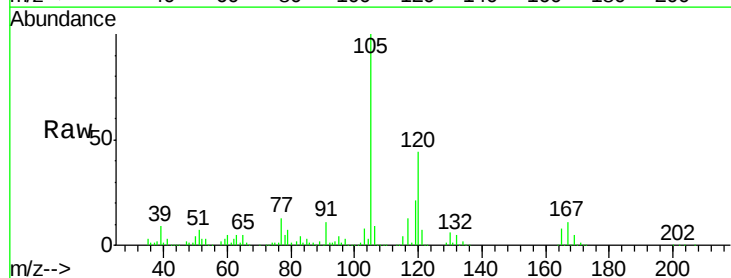
Manual Integrations
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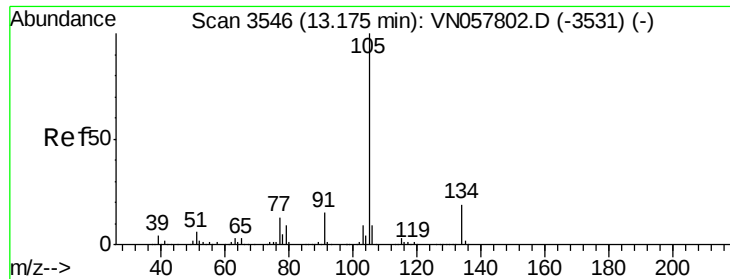
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.933 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Tgt Ion:105 Resp: 1191335
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.4 67.2





#85

sec-Butylbenzene

Concen: 48.278 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1390968

Ion Ratio Lower Upper

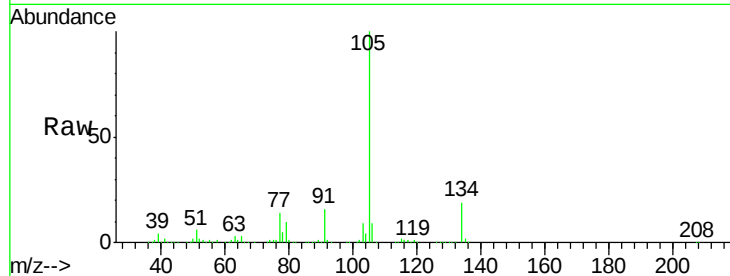
105 100

134 19.0 9.6 28.6

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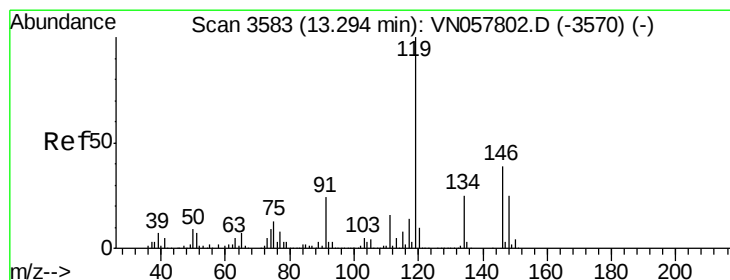
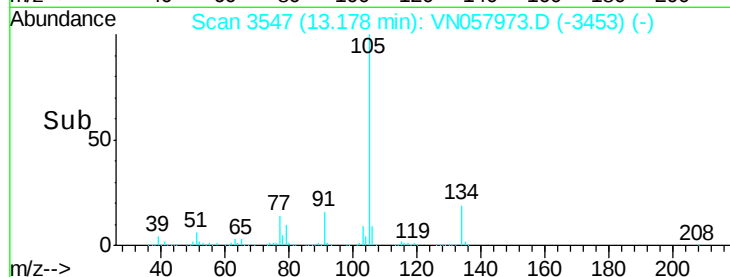
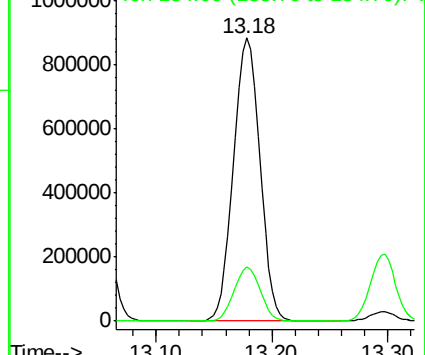
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.819 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

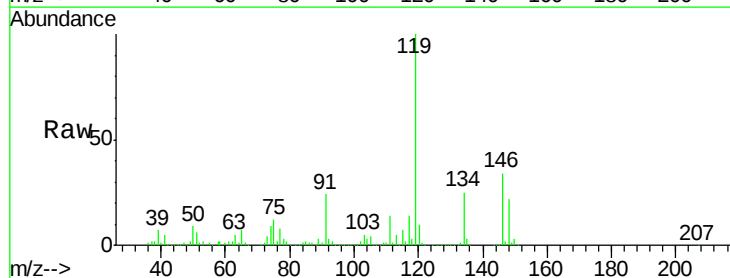
Tgt Ion:119 Resp: 1264700

Ion Ratio Lower Upper

119 100

134 25.1 12.5 37.5

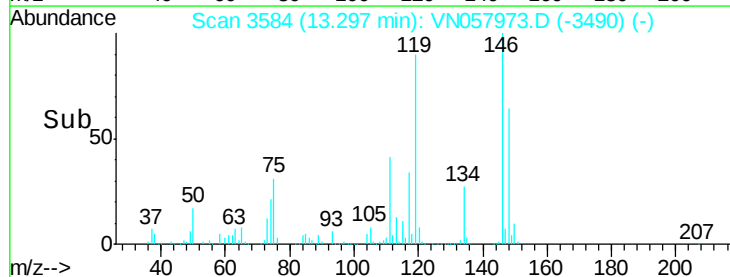
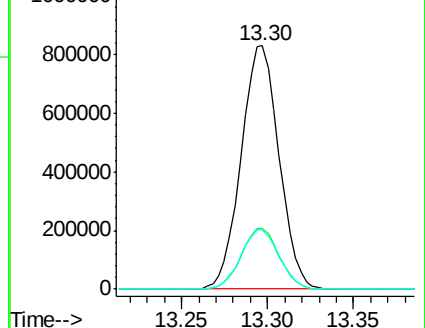
91 24.6 12.3 36.8

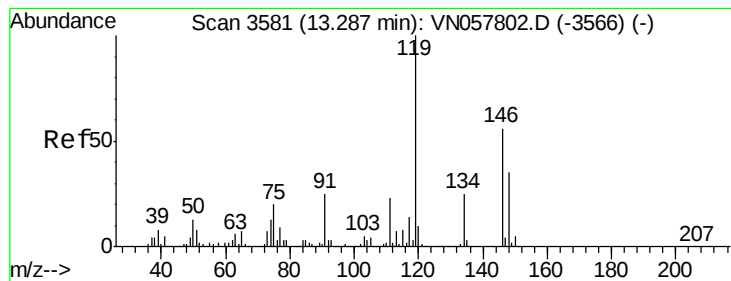


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 46.586 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

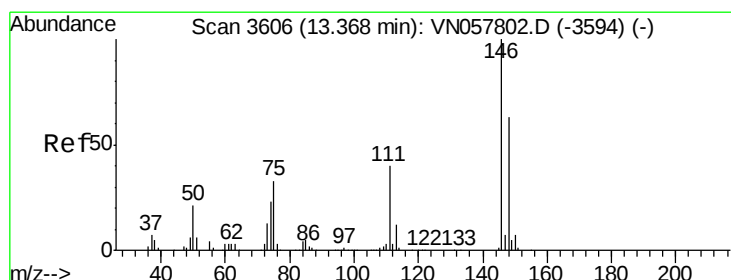
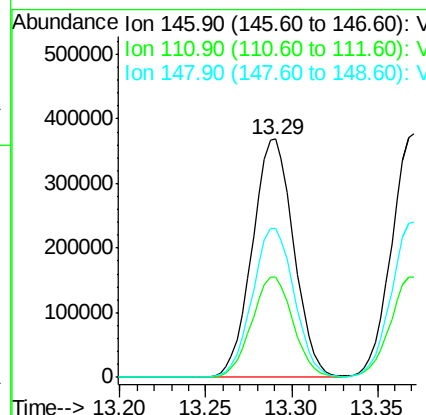
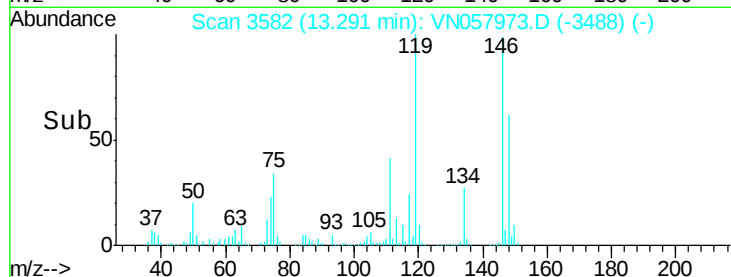
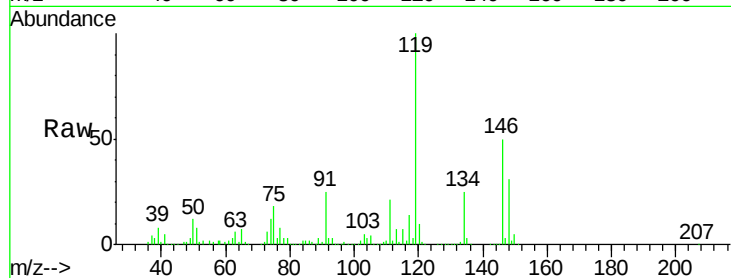
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	617013
Ion Ratio	Lower	Upper	
146	100		
111	41.9	20.5	61.6
148	63.1	31.5	94.5

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#88

1,4-Dichlorobenzene

Concen: 45.635 ug/l

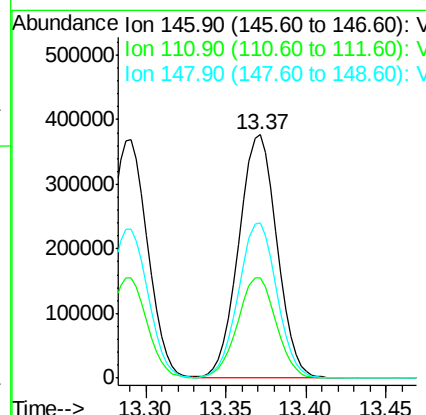
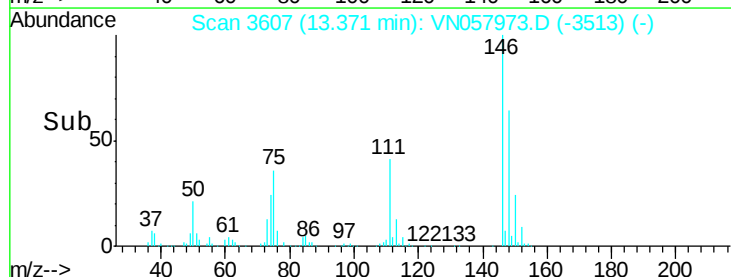
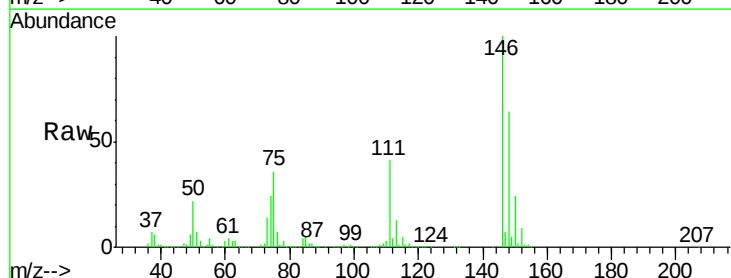
RT: 13.37 min Scan# 3607

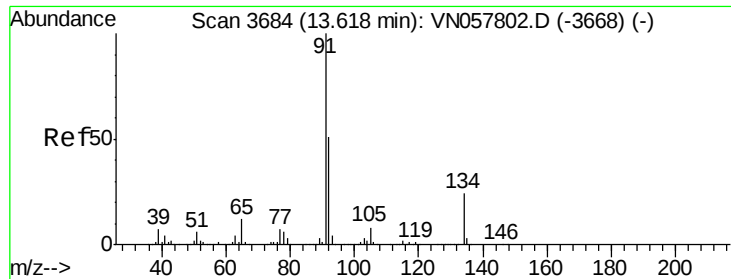
Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Tgt Ion:	146	Resp:	613523
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.4	61.2
148	63.9	31.8	95.4





#89

n-Butylbenzene

Concen: 49.112 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1177377

Ion Ratio Lower Upper

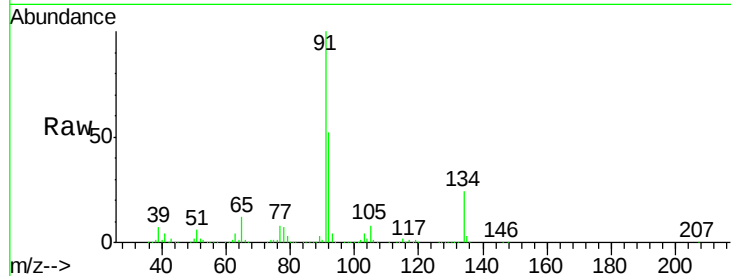
91 100

92 51.4 25.7 77.0

134 23.8 11.9 35.7

Manual Integrations
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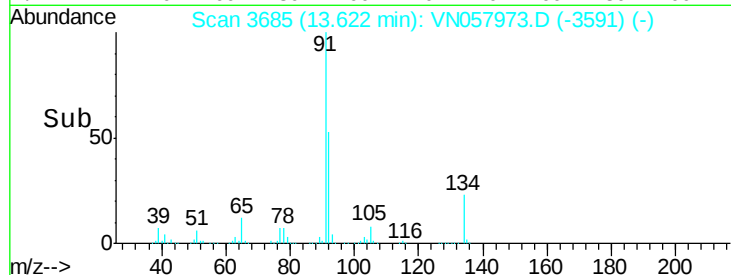


Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN057802.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057802.D (-3668) (-)

Time-->

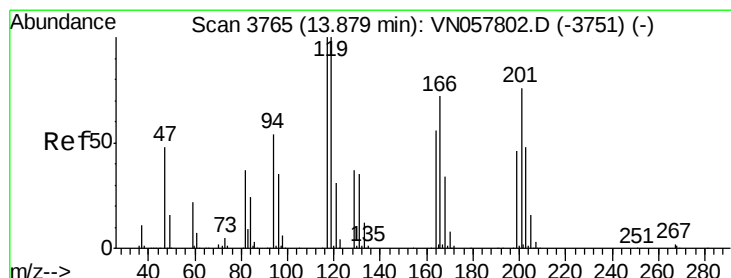


Abundance Ion 91.00 (90.70 to 91.70): VN057973.D (-3591) (-)

Ion 92.00 (91.70 to 92.70): VN057973.D (-3591) (-)

Ion 134.00 (133.70 to 134.70): VN057973.D (-3591) (-)

Time-->



#90

Hexachloroethane

Concen: 50.192 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN057973.D

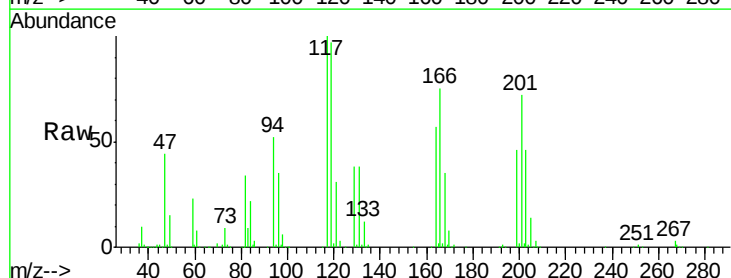
Acq: 12 Sep 2019 16:39

Tgt Ion: 117 Resp: 189496

Ion Ratio Lower Upper

117 100

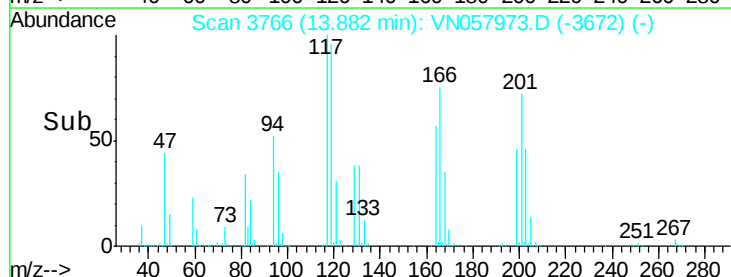
201 73.1 37.5 112.7



Abundance Ion 116.80 (116.50 to 117.50): VN057802.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN057802.D (-3751) (-)

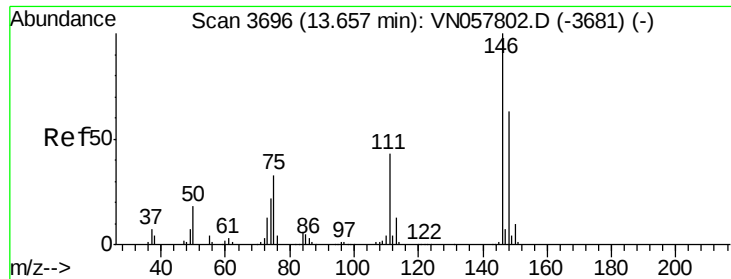
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN057973.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN057973.D (-3672) (-)

Time-->



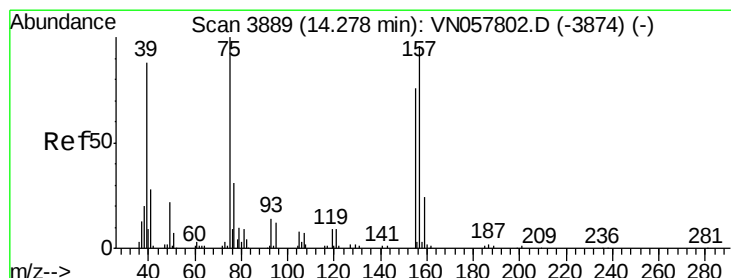
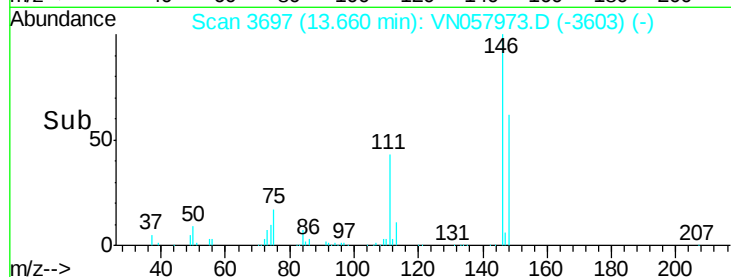
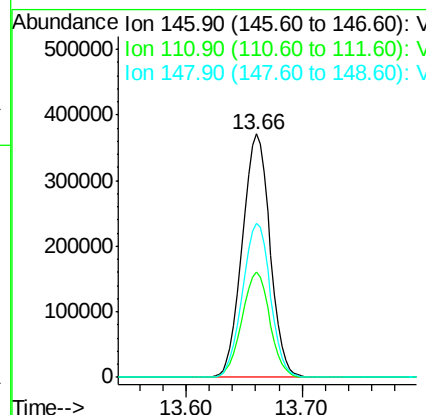
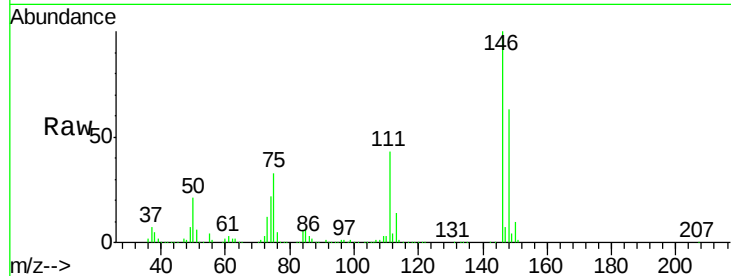
#91
 1,2-Dichlorobenzene
 Concen: 46.437 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.3	63.9
148	63.7	31.4	94.3

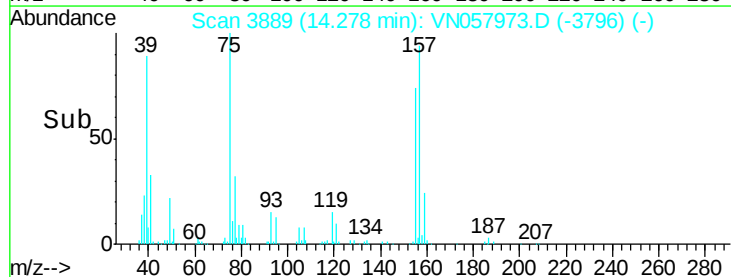
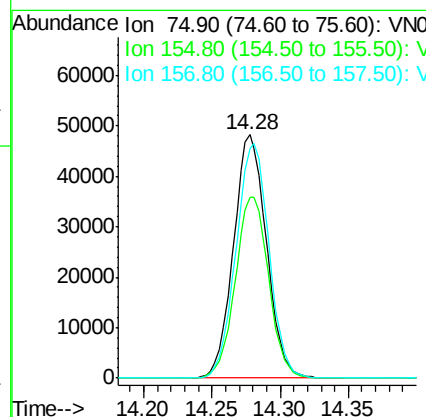
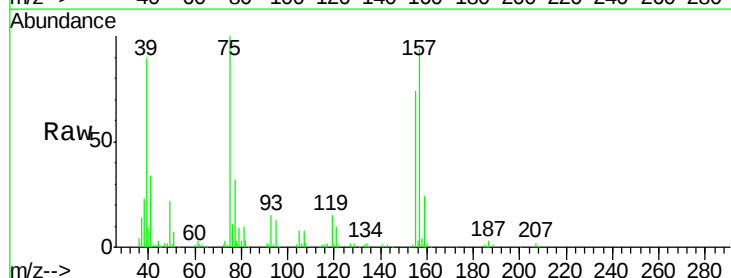
Manual Integrations
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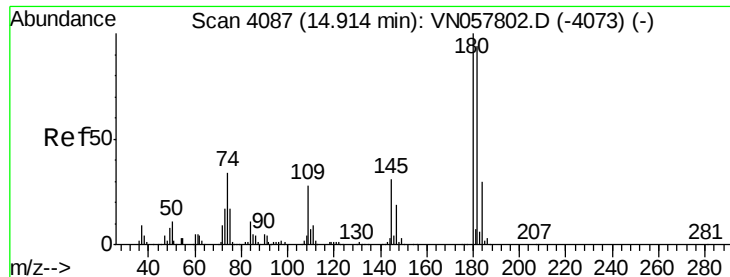
MMDadoda
 9/13/2019 1:05:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.213 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.4	37.3	111.8
157	96.6	47.9	143.8





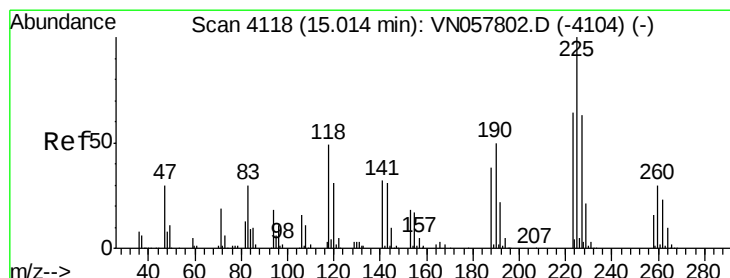
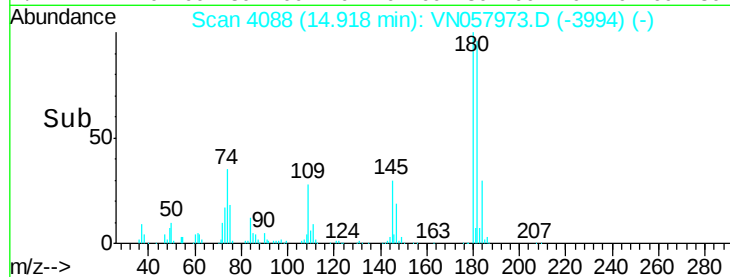
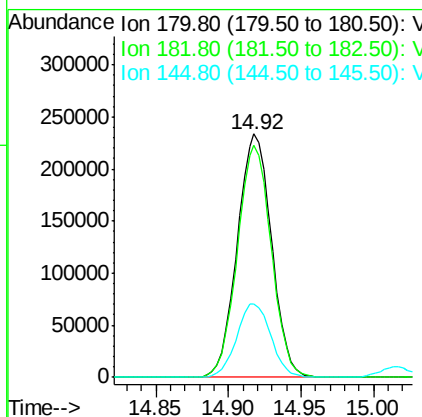
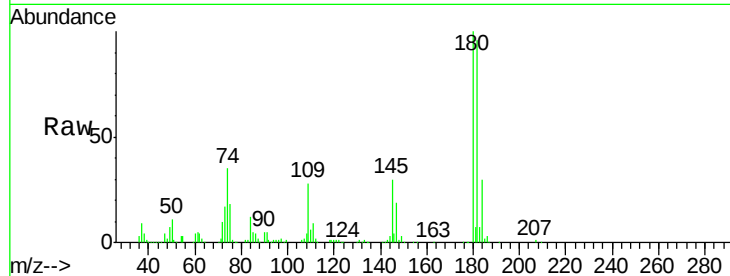
#93
 1,2,4-Trichlorobenzene
 Concen: 44.233 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	382560
Ion Ratio	Lower	Upper	
180	100		
182	94.5	46.9	140.8
145	30.4	14.9	44.7

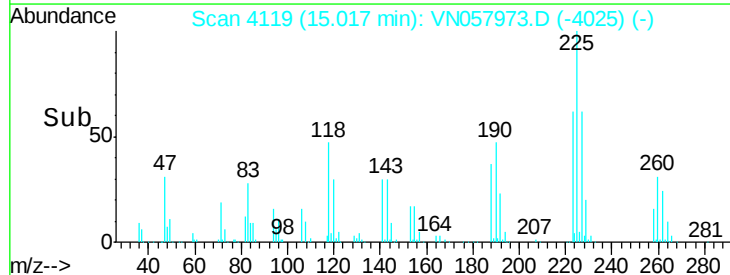
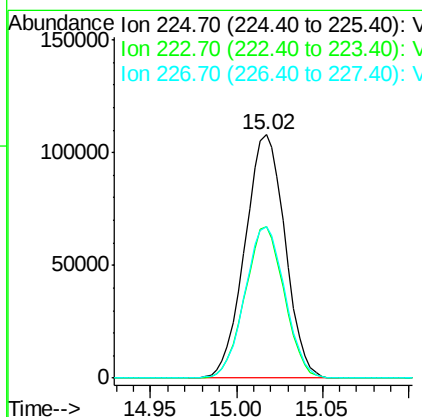
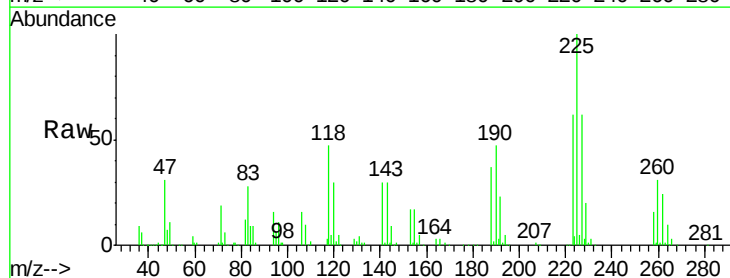
Manual Integrations
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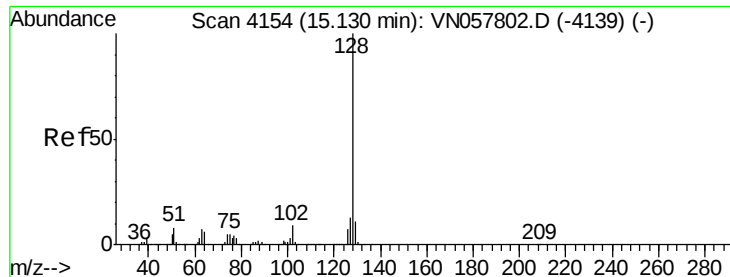
MMDadoda
 9/13/2019 1:05:49 PM



#94
 Hexachlorobutadiene
 Concen: 47.569 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN057973.D
 Acq: 12 Sep 2019 16:39

Tgt Ion:	225	Resp:	174399
Ion Ratio	Lower	Upper	
225	100		
223	61.0	32.4	97.2
227	62.3	31.8	95.4





#95

Naphthalene

Concen: 49.594 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1083115

Ion Ratio Lower Upper

128 100

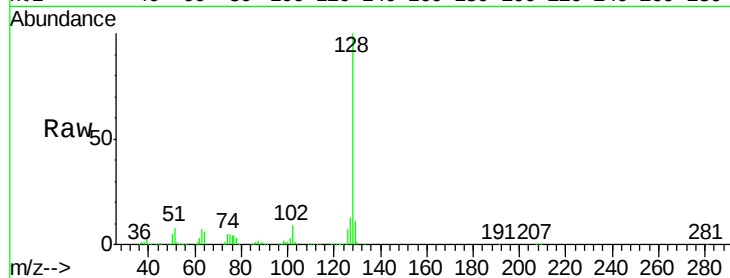
127 12.9 10.3 15.5

129 10.7 8.6 12.8

Manual Integrations
APPROVED

MMDadoda

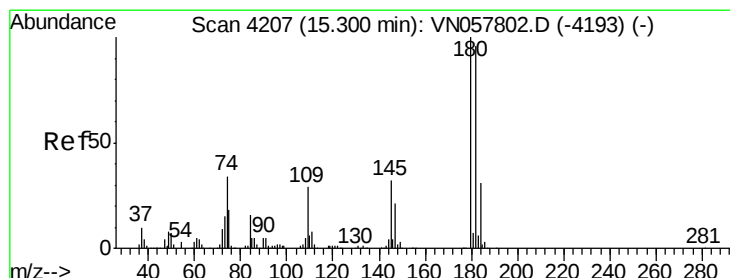
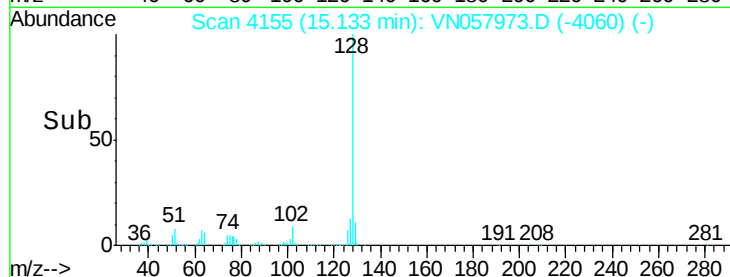
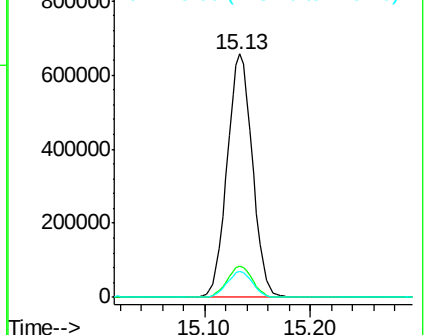
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.122 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057973.D

Acq: 12 Sep 2019 16:39

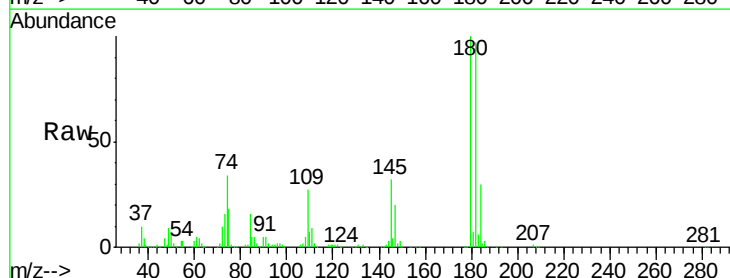
Tgt Ion:180 Resp: 363050

Ion Ratio Lower Upper

180 100

182 94.7 48.3 144.8

145 32.0 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

