

Data File : VN057201.D
Acq On : 11 Aug 2019 20:43
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:41:55 PM

Quant Time: Aug 12 07:33:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:49:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1062955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1564697	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1407592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	588418	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	561320	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	6.99	113	516682	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
50) Toluene-d8	9.56	98	1917509	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.92	95	655765	54.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.82	85	380175	44.500	ug/l	98
3) Chloromethane	2.00	50	463860	40.864	ug/l	99
4) Vinyl Chloride	2.11	62	461526	43.742	ug/l	98
5) Bromomethane	2.43	94	313570	43.739	ug/l	96
6) Chloroethane	2.55	64	318736	47.097	ug/l	99
7) Trichlorofluoromethane	2.82	101	722659	47.649	ug/l	98
8) Diethyl Ether	3.14	74	282715	48.248	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.44	101	441037	47.970	ug/l	99
10) Methyl Iodide	3.63	142	712949	51.315	ug/l	100
11) Tert butyl alcohol	4.23	59	385363	247.721	ug/l	99
12) 1,1-Dichloroethene	3.43	96	433610	47.941	ug/l	99
13) Acrolein	3.31	56	196120	199.284	ug/l	97
14) Allyl chloride	3.91	41	675143	51.364	ug/l	95
15) Acrylonitrile	4.45	53	1056508	250.940	ug/l	99
16) Acetone	3.47	43	803332	243.332	ug/l	100
17) Carbon Disulfide	3.72	76	1110434	46.149	ug/l	100
18) Methyl Acetate	3.89	43	527817	53.709	ug/l	99
19) Methyl tert-butyl Ether	4.49	73	1379955	50.537	ug/l	98
20) Methylene Chloride	4.10	84	510962	46.896	ug/l	99
21) trans-1,2-Dichloroethene	4.50	96	475561	48.267	ug/l	97
22) Diisopropyl ether	5.31	45	1388568	48.432	ug/l	96
23) Vinyl Acetate	5.26	43	5542949	252.470	ug/l	99
24) 1,1-Dichloroethane	5.25	63	851708	48.324	ug/l	98
25) 2-Butanone	6.20	43	1281022	253.969	ug/l	97
26) 2,2-Dichloropropane	6.21	77	549871	42.883	ug/l	99
27) cis-1,2-Dichloroethene	6.21	96	552380	48.938	ug/l	99
28) Bromochloromethane	6.58	49	408015	50.330	ug/l	99
29) Tetrahydrofuran	6.60	42	853893	251.303	ug/l	100
30) Chloroform	6.76	83	879146	48.194	ug/l	100
31) Cyclohexane	7.07	56	711731	44.886	ug/l	99
32) 1,1,1-Trichloroethane	6.98	97	762545	49.831	ug/l	99
36) 1,1-Dichloropropene	7.20	75	641032	49.758	ug/l	99
37) Ethyl Acetate	6.28	43	535441	50.418	ug/l #	98
38) Carbon Tetrachloride	7.18	117	676839	50.412	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.53	83	743635	47.466	ug/l	98
40) Benzene	7.46	78	1981832	48.593	ug/l	98
41) Methacrylonitrile	6.55	41	260515	48.293	ug/l	94
42) 1,2-Dichloroethane	7.54	62	651320	50.075	ug/l	100
43) Isopropyl Acetate	7.56	43	1157788	63.884	ug/l #	90
44) Trichloroethene	8.27	130	566345	49.566	ug/l	98
45) 1,2-Dichloropropane	8.56	63	514899	48.759	ug/l	99
46) Dibromomethane	8.65	93	343465	50.726	ug/l	99
47) Bromodichloromethane	8.85	83	677180	51.688	ug/l	99
48) Methyl methacrylate	8.64	41	426716	49.932	ug/l	99
49) 1,4-Dioxane	8.64	88	186859	1073.578	ug/l	100
51) 4-Methyl-2-Pentanone	9.45	43	2676322	253.738	ug/l	99
52) Toluene	9.63	92	1258629	49.718	ug/l	99
53) t-1,3-Dichloropropene	9.86	75	708868	51.792	ug/l	98
54) cis-1,3-Dichloropropene	9.30	75	803193	51.142	ug/l	100
55) 1,1,2-Trichloroethane	10.04	97	496789	49.903	ug/l	99
56) Ethyl methacrylate	9.90	69	731213	52.459	ug/l	98
57) 1,3-Dichloropropane	10.19	76	819738	49.933	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	543057	105.698	ug/l	98
59) 2-Hexanone	10.24	43	1902831	266.558	ug/l	99
60) Dibromochloromethane	10.39	129	568673	54.392	ug/l	99
61) 1,2-Dibromoethane	10.50	107	523292	50.940	ug/l	100
64) Tetrachloroethene	10.11	164	572114	48.873	ug/l	95
65) Chlorobenzene	10.93	112	1384533	48.886	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.01	131	530573	50.109	ug/l	98
67) Ethyl Benzene	11.01	91	2395003	49.134	ug/l	99
68) m/p-Xylenes	11.13	106	1817128	101.189	ug/l	99
69) o-Xylene	11.46	106	880899	49.289	ug/l	99
70) Styrene	11.47	104	1465826	52.509	ug/l	100
71) Bromoform	11.64	173	426725	55.017	ug/l #	100
73) Isopropylbenzene	11.76	105	2381432	49.673	ug/l	99
74) N-amyl acetate	11.59	43	711325	47.705	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.03	83	673335	52.702	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	597038m	52.113	ug/l	
77) Bromobenzene	12.05	156	632236	44.702	ug/l	97
78) n-propylbenzene	12.11	91	2494134	44.183	ug/l	100
79) 2-Chlorotoluene	12.20	91	1545047	49.088	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	1996572	43.951	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	190557	47.617	ug/l	97
82) 4-Chlorotoluene	12.30	91	1462946	44.758	ug/l	100
83) tert-Butylbenzene	12.52	119	1776773	49.599	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	1905135	43.388	ug/l	100
85) sec-Butylbenzene	12.70	105	2206553	43.041	ug/l	98
86) p-Isopropyltoluene	12.82	119	1973814	43.878	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	958148	47.586	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	903371	47.352	ug/l	100
89) n-Butylbenzene	13.15	91	1453771	46.777	ug/l	98
90) Hexachloroethane	13.41	117	361031	50.498	ug/l	100
91) 1,2-Dichlorobenzene	13.19	146	930546	46.280	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	94880	45.870	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081119\
Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	348150	41.914	ug/l	99
94) Hexachlorobutadiene	14.55	225	378789	54.305	ug/l	99
95) Naphthalene	14.67	128	645161	39.773	ug/l	99
96) 1,2,3-Trichlorobenzene	14.83	180	316727	37.523	ug/l	99

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

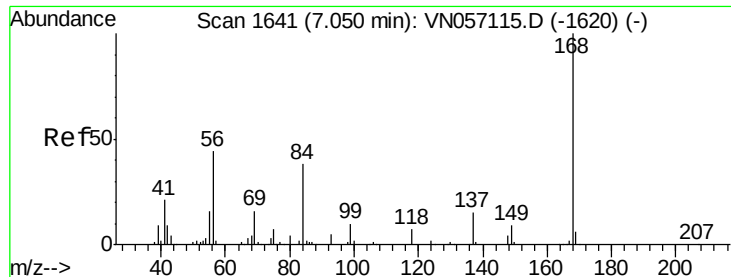
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8/12/2019 3:41:55 PM

Abundance

TIC: VN057201.D

Time-->

Chlorodifluoromethane, T
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Acrolein, T
Diethyl Ether, T
1,1-Dichloroethane, T
Acetone, T
Methyl iodide, T
Carbon disulfide, T
Methyl acetate, T
Methylene chloride, T
tert Butyl alcohol, T
Acrylonitrile, T
Methyl tert-butyl ether, T
Disopropyl ether, T
1,1-Dichloroethane, P
Ethyl Acetate, T
Benzoylformaldehyde, T
Benzoin, T
Chloroform, C
Dibromodifluoromethane, T
Benzene, I
Carbon tetrachloride, T
Isopropyl acetate, TM
1,2-Dichloroethane-d4, S
1,4-Difluorobenzene, I
Trichloroethene, TM
1,2-Dichloropropane, T
Bromodichloromethane, T
2-Chloroethyl Vinyl ether, T
cis-1,3-Dichloropropene, T
toluene, EM
t-1,3-Dichloropropane, T
1,1,2-Trichloroethane, T
Tetrachloroethene, T
2-Hexanone, T
1,2-Dibromochloromethane, T
1,2-Dibromoethane, T
Chlorobenzene, TM
Ethyl Benzene, T
m-Xylenes, T
p-Xylenes, T
Styrene, T
Isopropylbenzene, T
4-Bromofluorobenzene, S
trans-1,4-Dichloro-2-butene, T
1,2-Trichloropropane, T
1,2-Dichloroethane, T
1,3,5-Trimethylbenzene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,4-Dichlorobenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Naphthalene, T
1,2,3-Trichlorobenzene, T



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

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ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 1062955

Ion Ratio Lower Upper

168 100

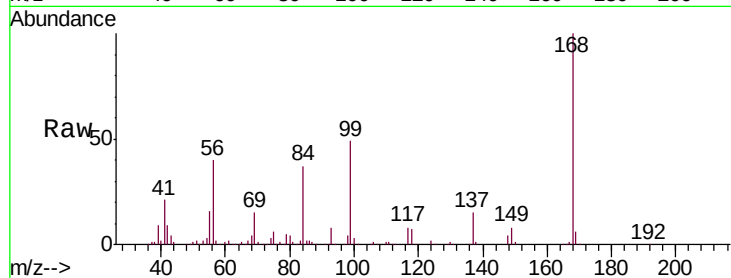
99 48.5 38.6 57.8

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

7.05

400000

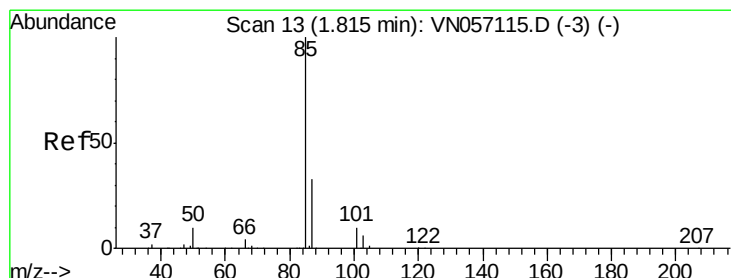
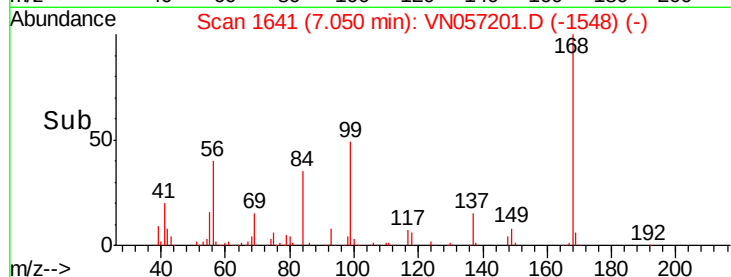
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.500 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057201.D

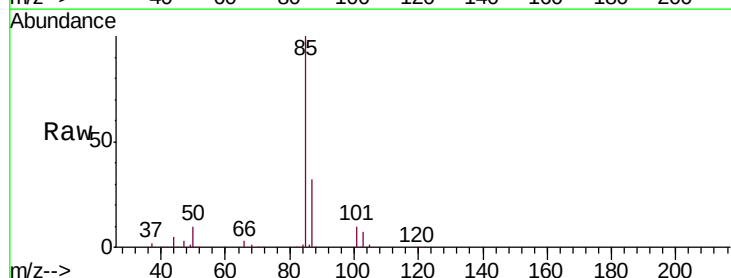
Acq: 11 Aug 2019 20:43

Tgt Ion: 85 Resp: 380175

Ion Ratio Lower Upper

85 100

87 31.9 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.82

300000

250000

200000

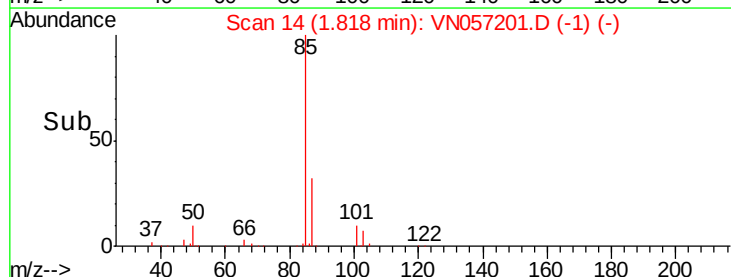
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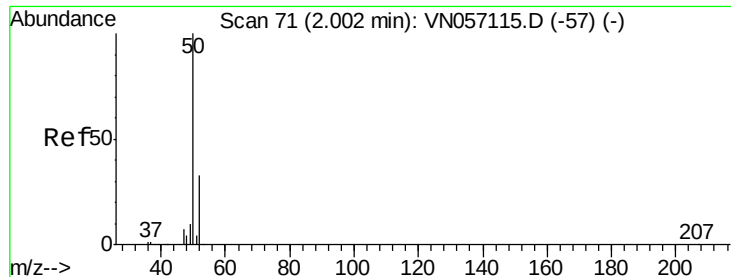
100000

50000

0

Time-->





#3

Chloromethane

Concen: 40.864 ug/l

RT: 2.00 min Scan# 69

Delta R.T. -0.01 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 463860

Ion Ratio Lower Upper

50 100

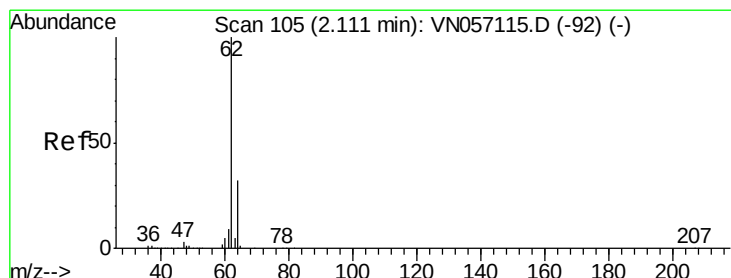
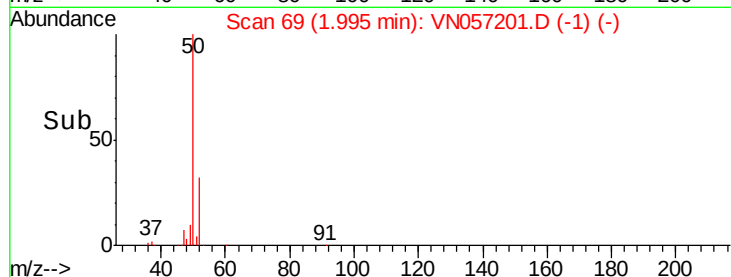
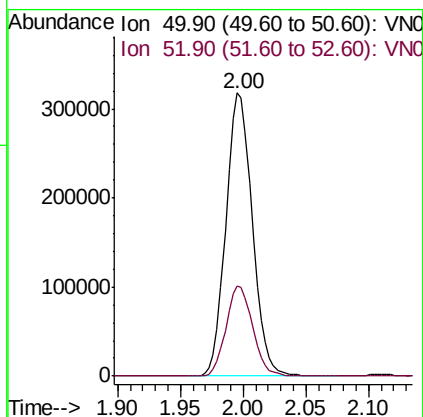
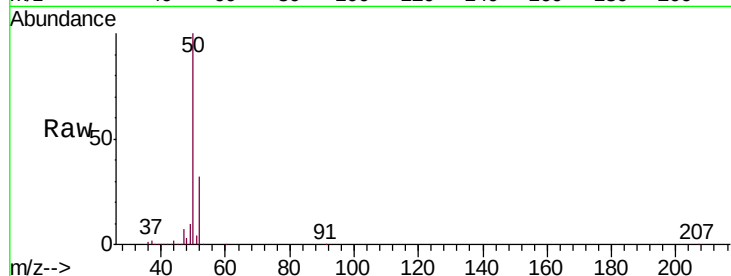
52 31.8 26.1 39.1

Manual Integrations

APPROVED

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8/12/2019 3:41:55 PM



#4

Vinyl Chloride

Concen: 43.742 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057201.D

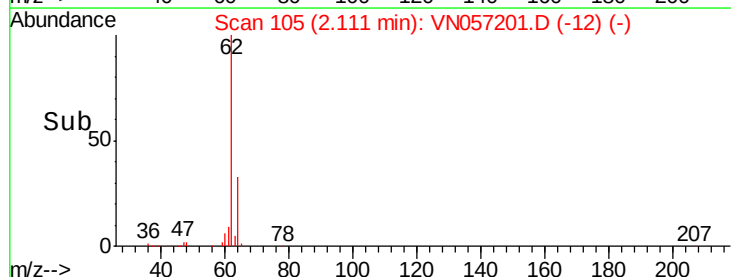
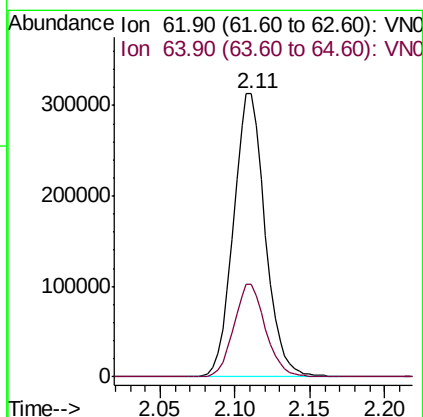
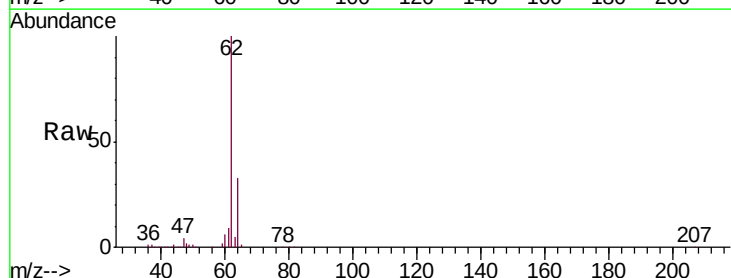
Acq: 11 Aug 2019 20:43

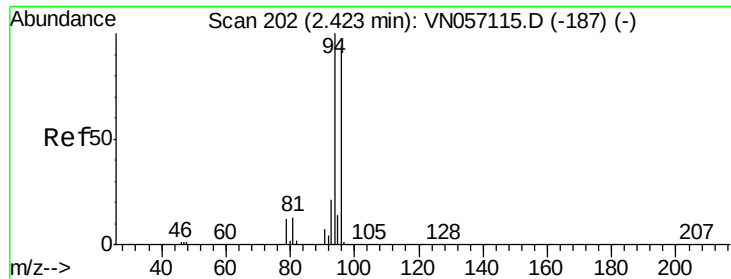
Tgt Ion: 62 Resp: 461526

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.0





#5

Bromomethane

Concen: 43.739 ug/l

RT: 2.43 min Scan# 203

Delta R.T. 0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

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ClientSampleId :

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Tgt Ion: 94 Resp: 313570

Ion Ratio Lower Upper

94 100

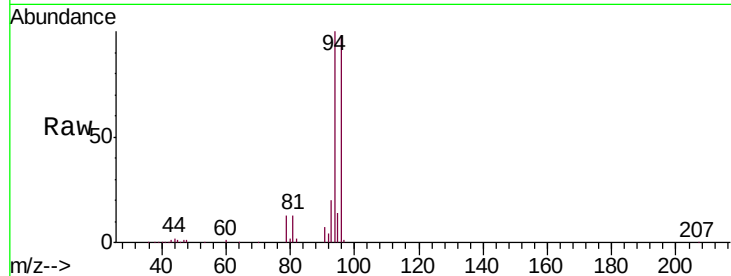
96 97.7 75.0 112.4

Manual Integrations

APPROVED

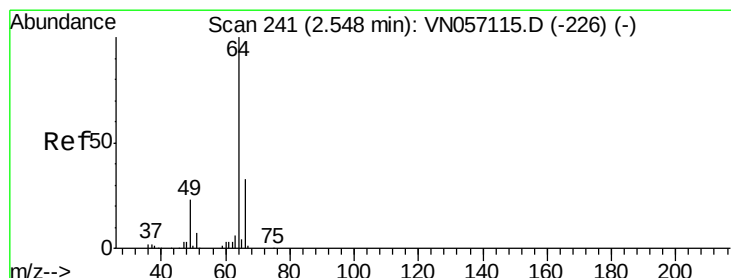
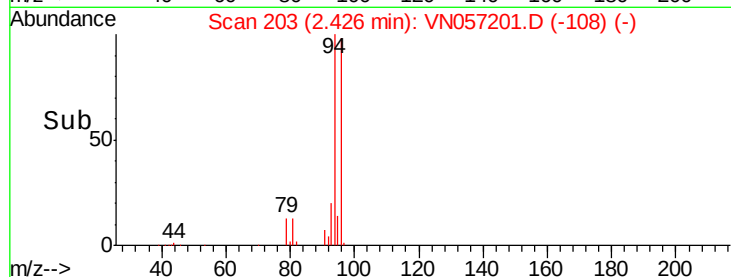
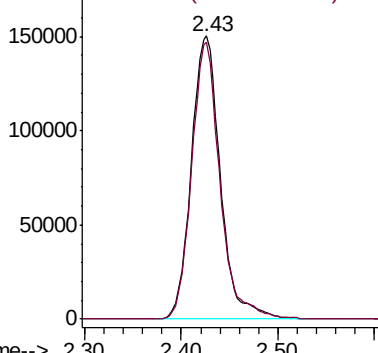
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.097 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN057201.D

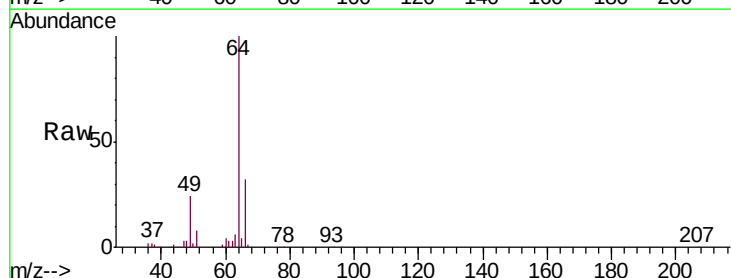
Acq: 11 Aug 2019 20:43

Tgt Ion: 64 Resp: 318736

Ion Ratio Lower Upper

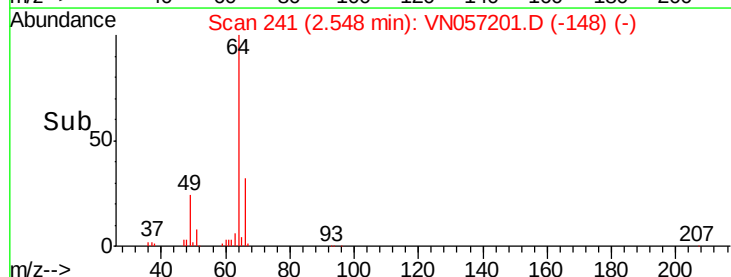
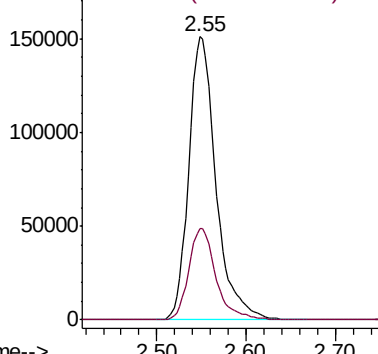
64 100

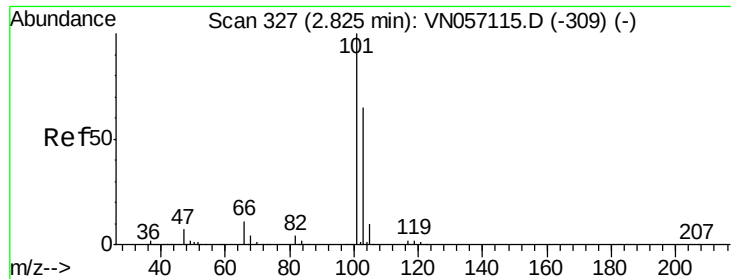
66 32.3 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

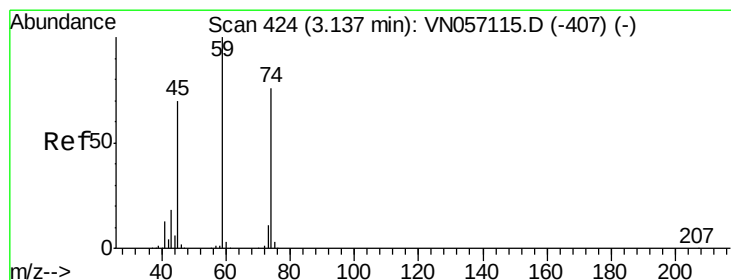
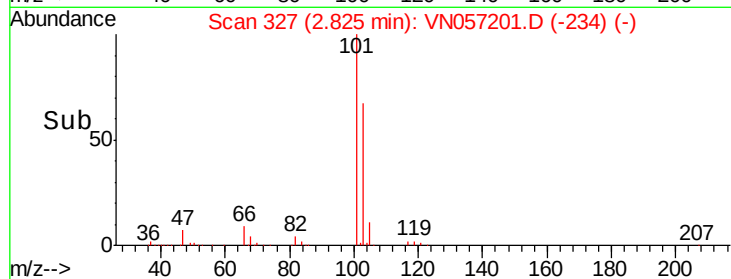
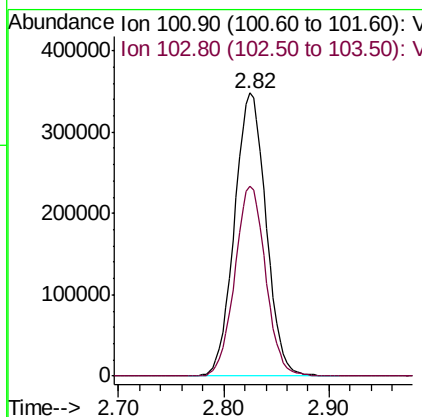
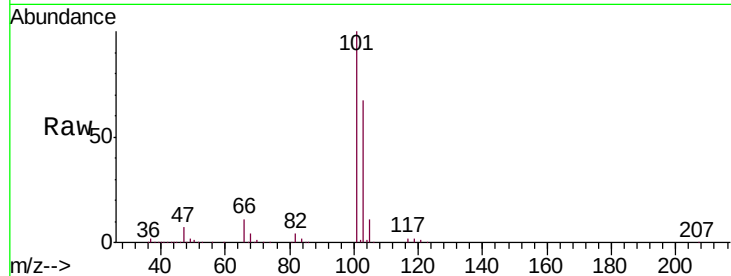
Trichlorofluoromethane
 Concen: 47.649 ug/l
 RT: 2.82 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

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 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.9	52.2	78.4

Manual Integrations
 APPROVED

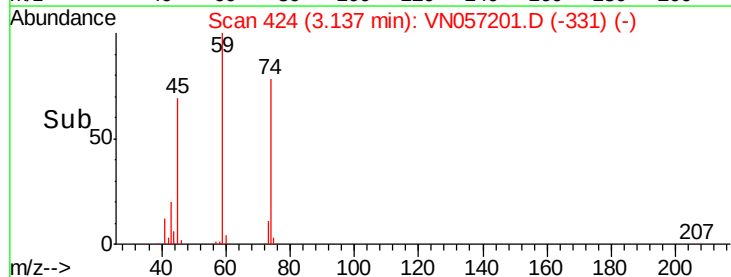
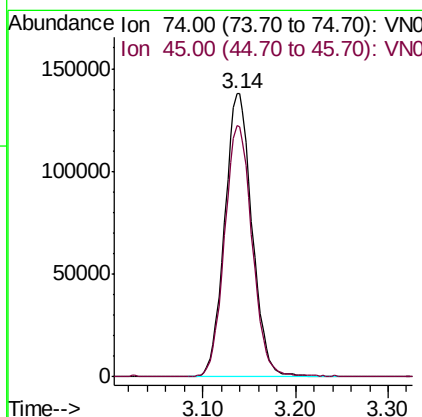
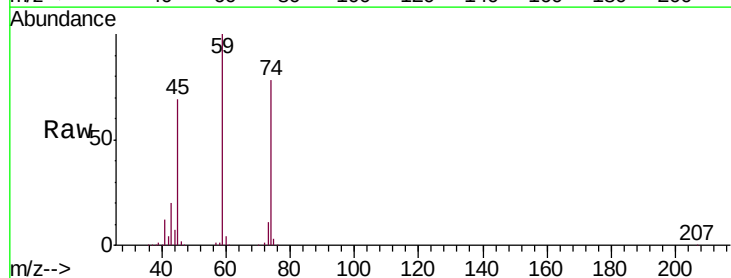
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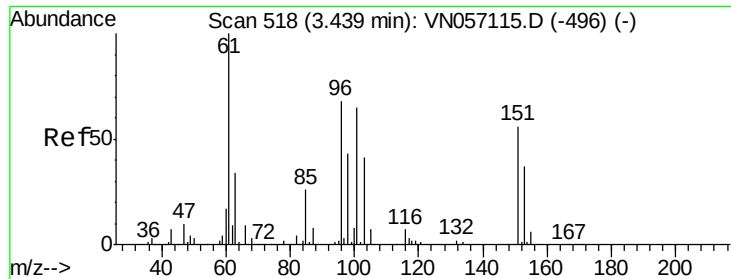


#8

Diethyl Ether
 Concen: 48.248 ug/l
 RT: 3.14 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.0	46.3	138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.970 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Instrument :

MSVOA_N

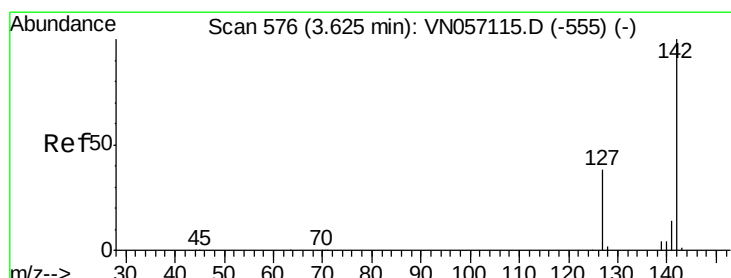
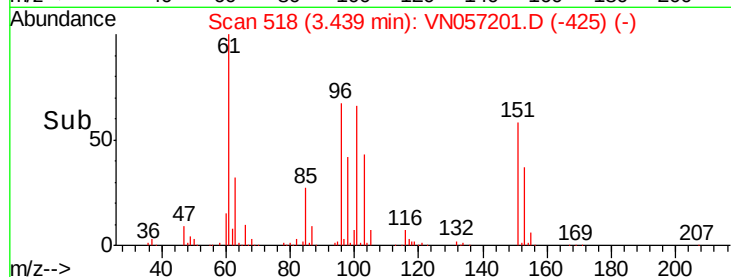
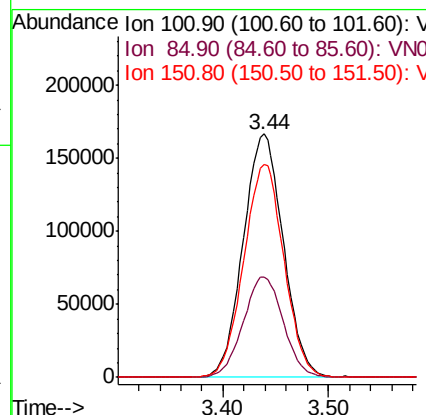
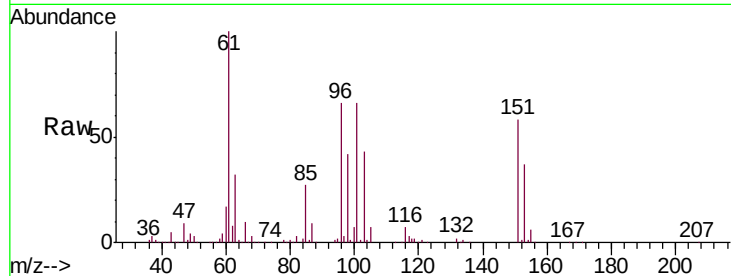
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	441037
Ion Ratio	Lower	Upper	
101	100		
85	41.3	32.3	48.5
151	87.8	69.4	104.0

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#10

Methyl Iodide

Concen: 51.315 ug/l

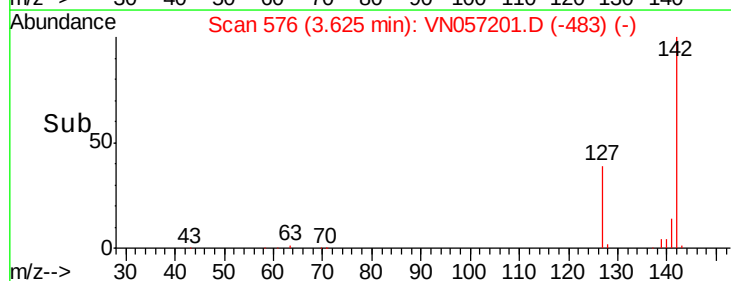
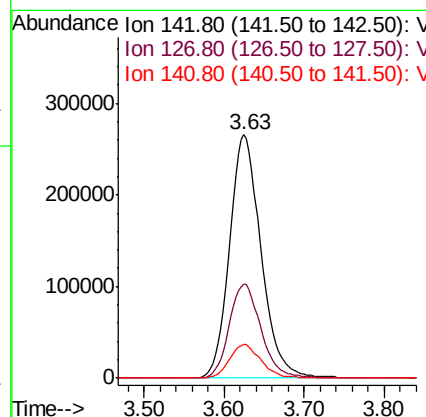
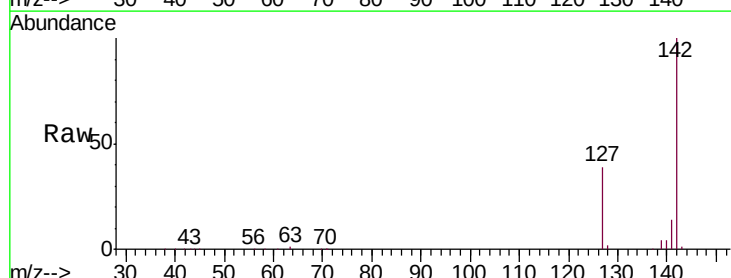
RT: 3.63 min Scan# 576

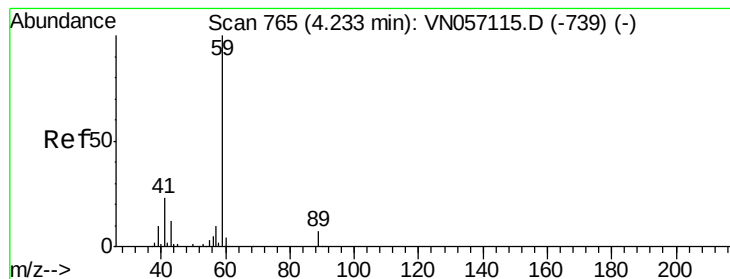
Delta R.T. -0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Tgt Ion:	142	Resp:	712949
Ion Ratio	Lower	Upper	
142	100		
127	39.0	31.0	46.6
141	13.9	11.2	16.8





#11

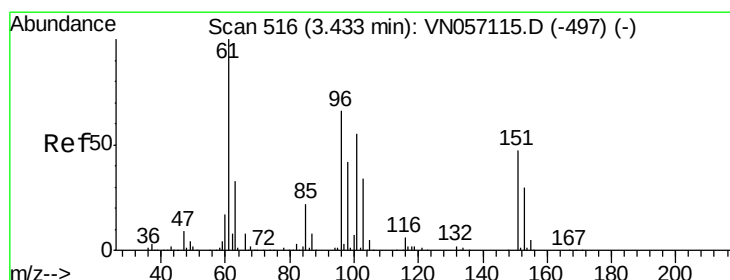
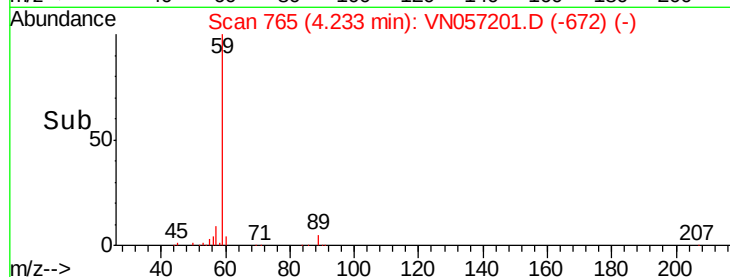
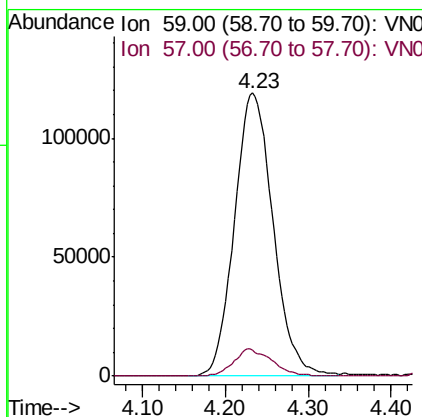
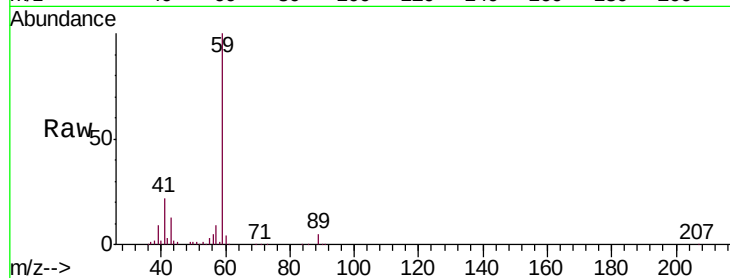
Tert butyl alcohol
Concen: 247.721 ug/l
RT: 4.23 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.9	11.9

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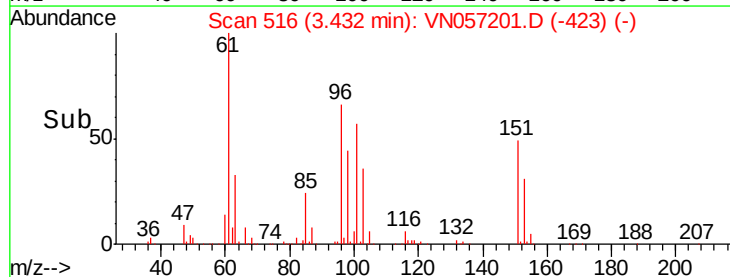
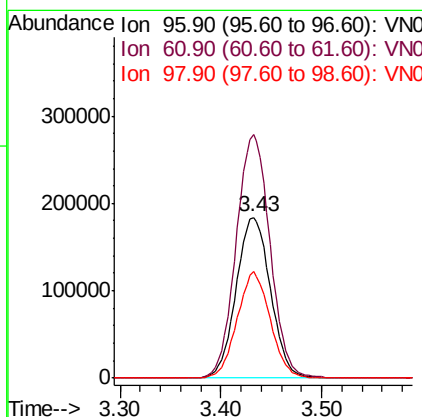
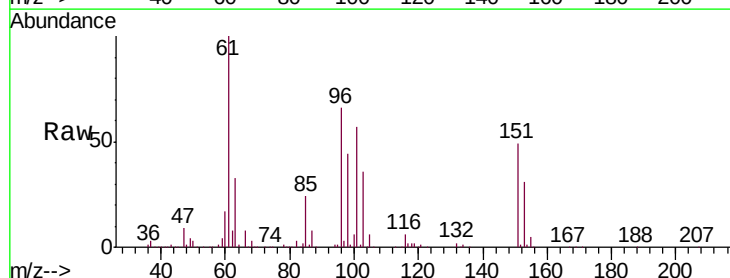
MMDadoda
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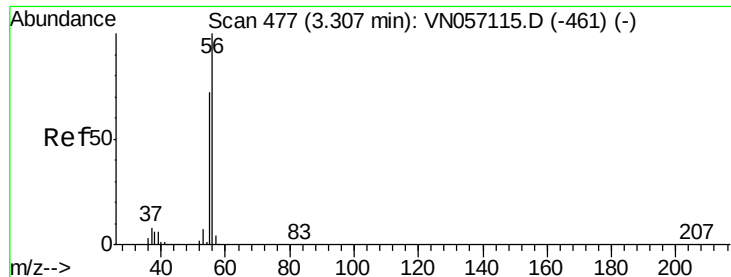


#12

1,1-Dichloroethene
Concen: 47.941 ug/l
RT: 3.43 min Scan# 516
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.4	121.0	181.6
98	66.1	50.8	76.2





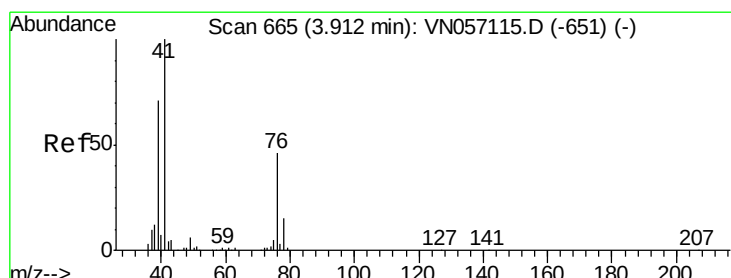
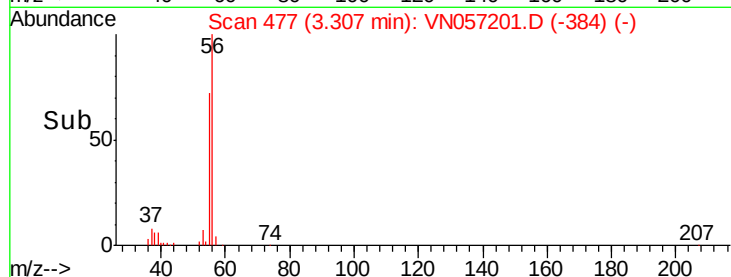
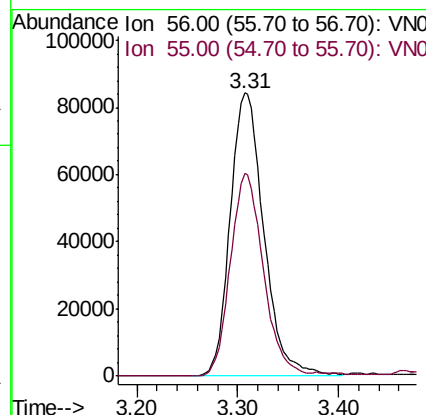
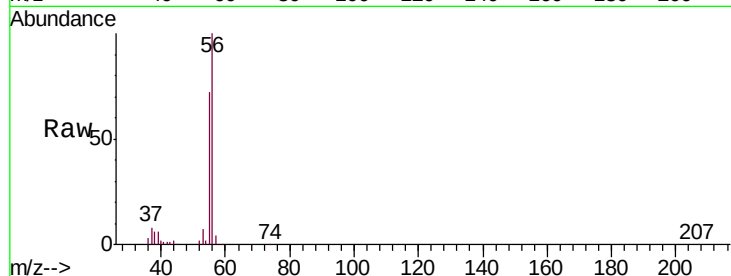
#13
Acrolein
Concen: 199.284 ug/l
RT: 3.31 min Scan# 477
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.0	57.7	86.5

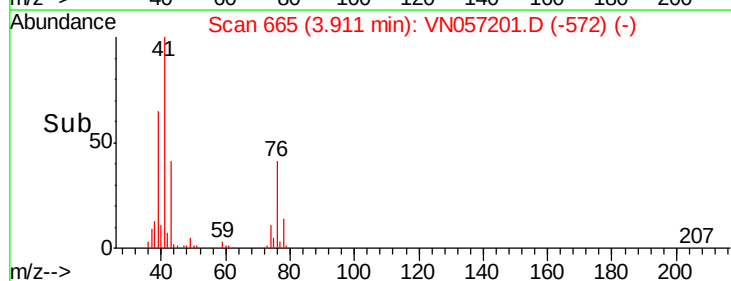
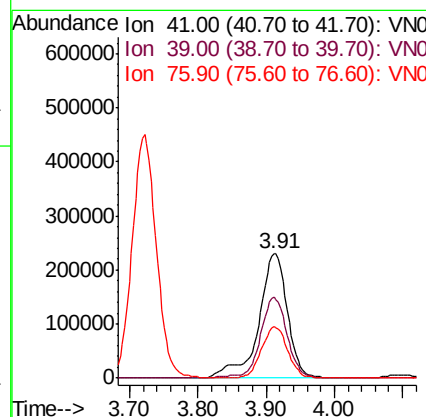
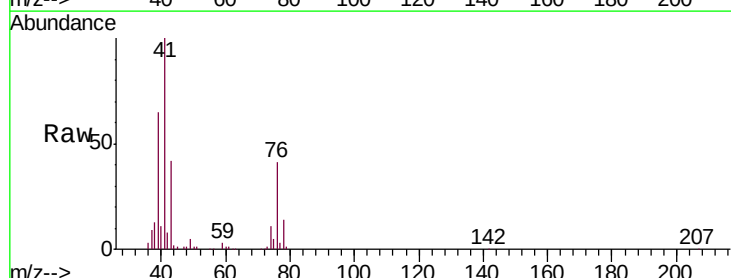
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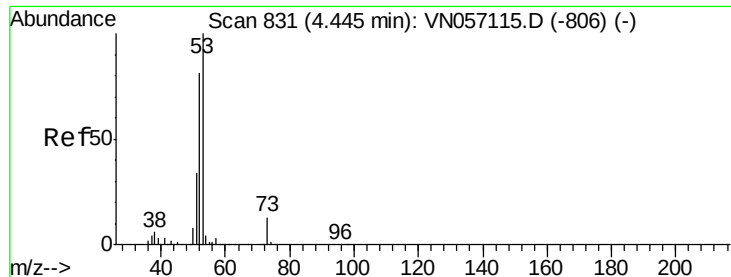
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#14
Allyl chloride
Concen: 51.364 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.4	51.1	76.7
76	36.7	32.8	49.2





#15

Acrylonitrile

Concen: 250.940 ug/l

RT: 4.45 min Scan# 831

Delta R.T. -0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 53 Resp: 1056508

Ion Ratio Lower Upper

53 100

52 81.4 64.9 97.3

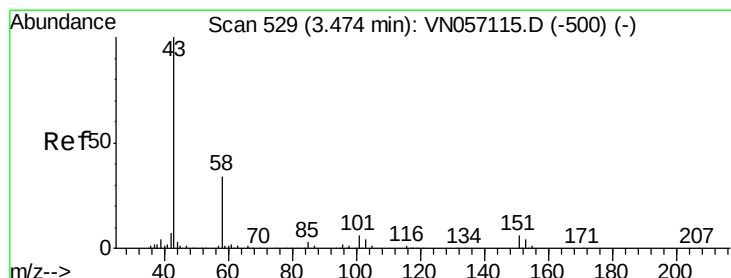
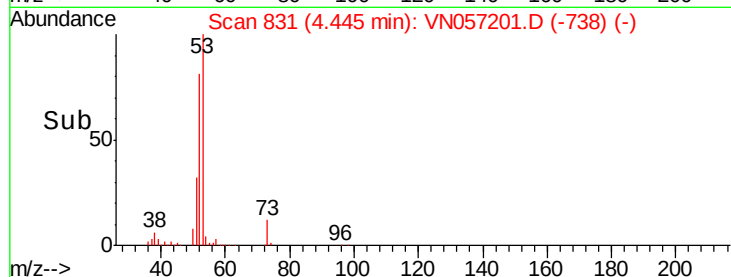
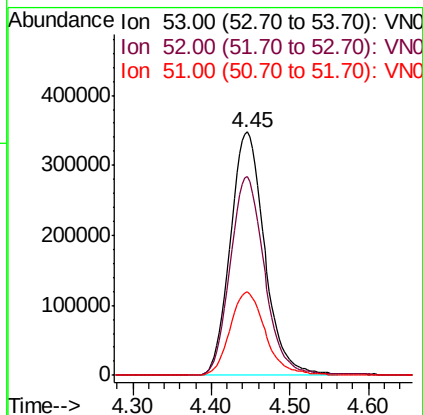
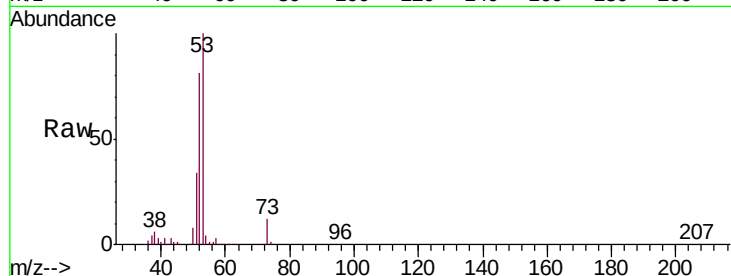
51 35.5 27.8 41.6

Manual Integrations

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#16

Acetone

Concen: 243.332 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057201.D

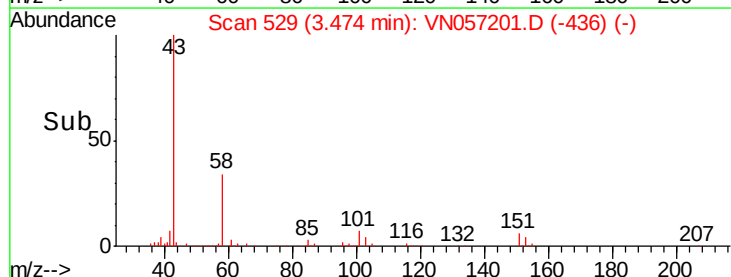
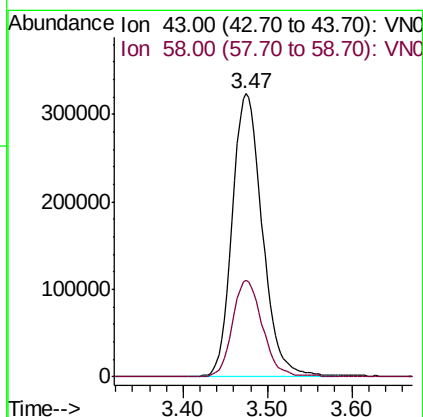
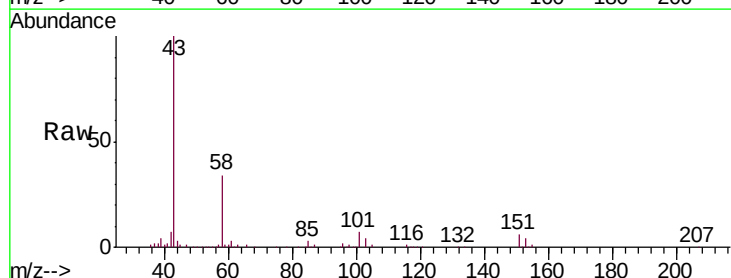
Acq: 11 Aug 2019 20:43

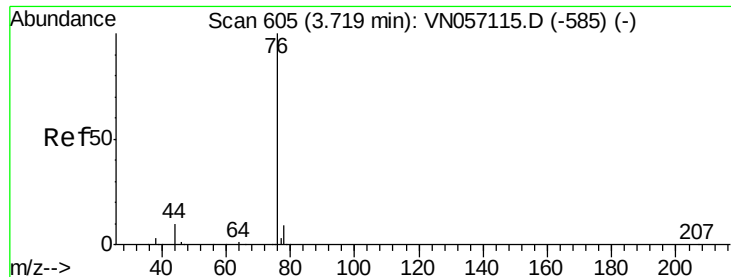
Tgt Ion: 43 Resp: 803332

Ion Ratio Lower Upper

43 100

58 34.2 27.4 41.2





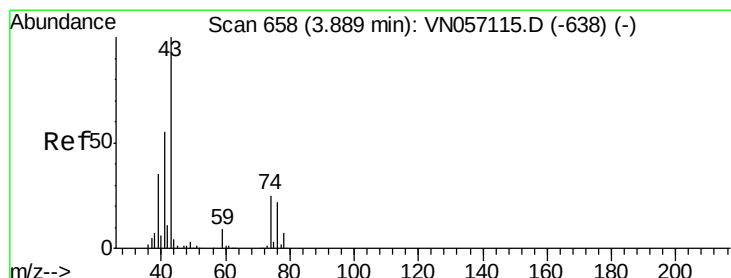
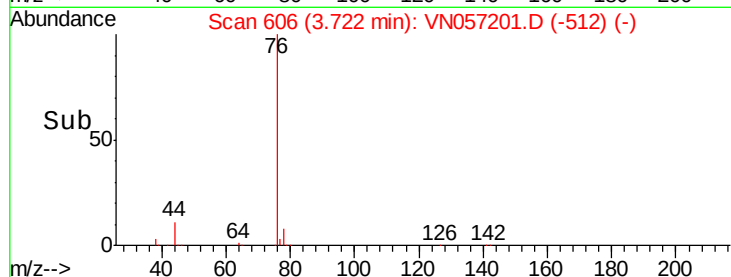
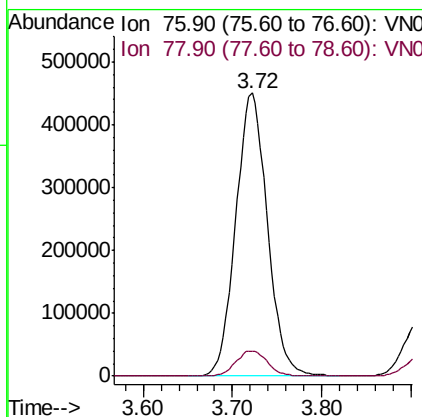
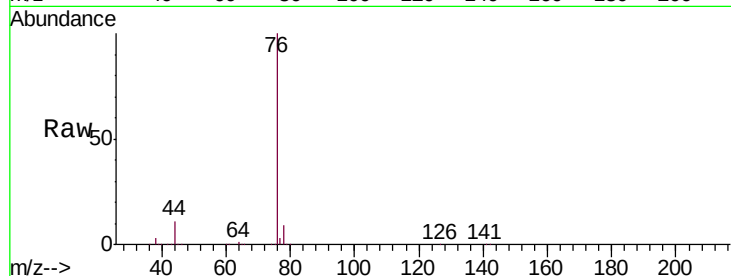
#17
Carbon Disulfide
Concen: 46.149 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 1110434
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6

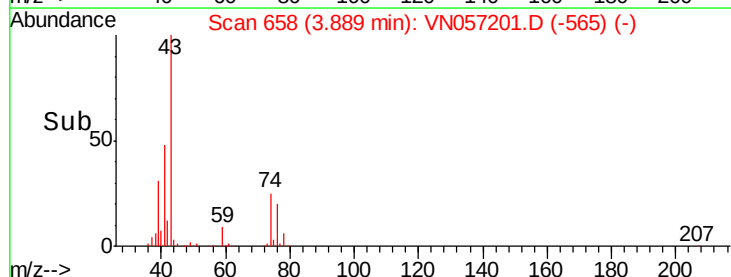
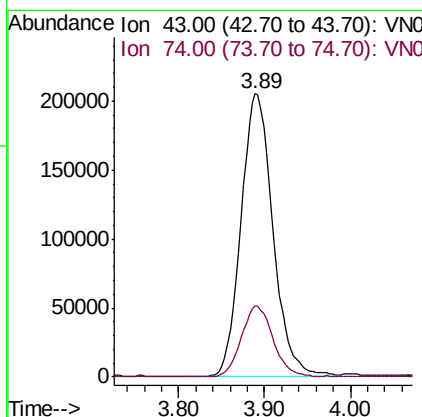
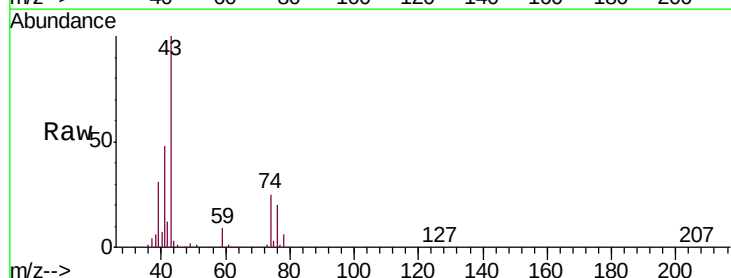
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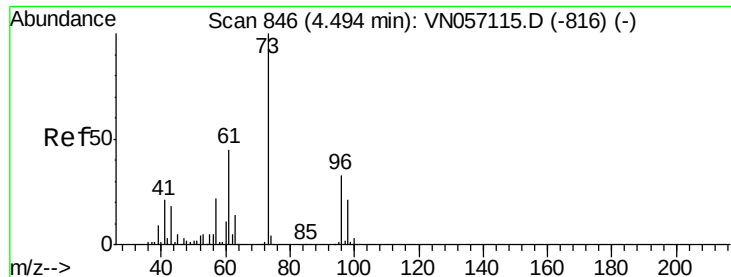
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#18
Methyl Acetate
Concen: 53.709 ug/l
RT: 3.89 min Scan# 658
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Tgt Ion: 43 Resp: 527817
Ion Ratio Lower Upper
43 100
74 25.0 20.2 30.4





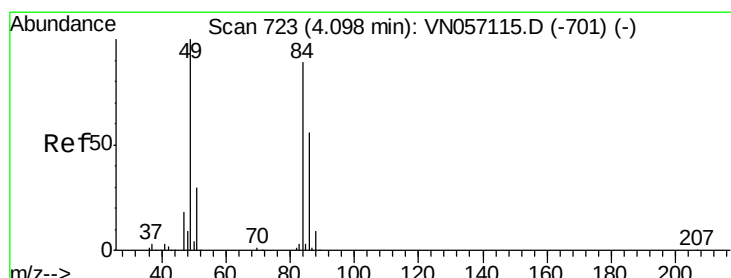
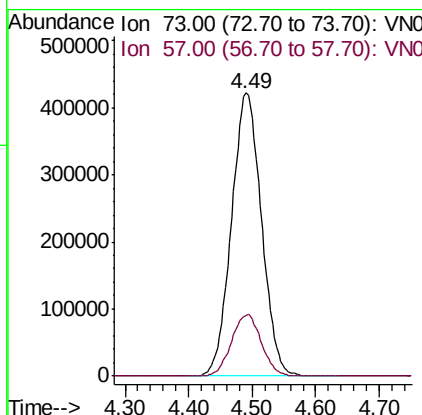
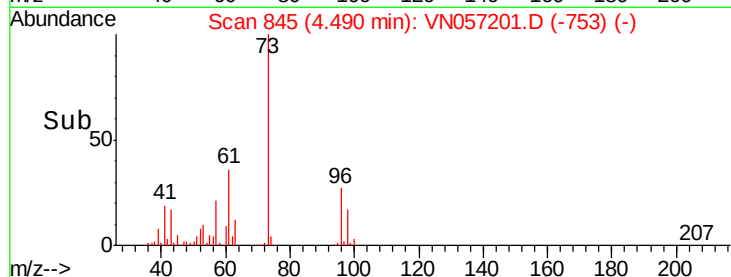
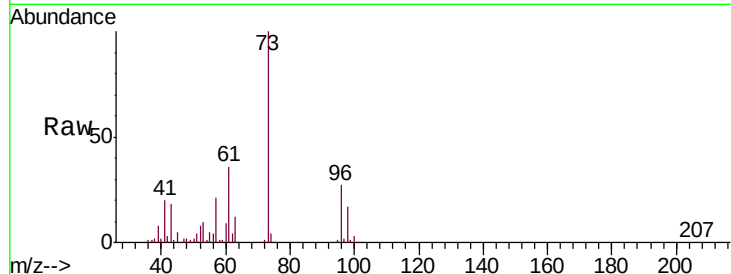
#19
Methyl tert-butyl Ether
Concen: 50.537 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 1379955
Ion Ratio Lower Upper
73 100
57 21.5 18.0 27.0

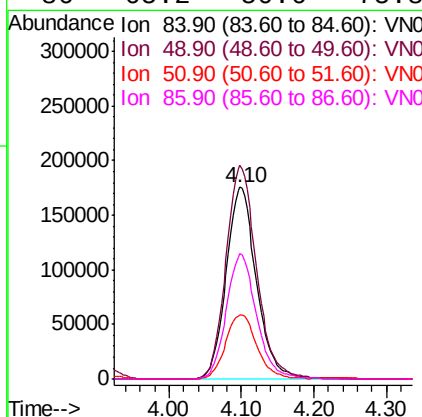
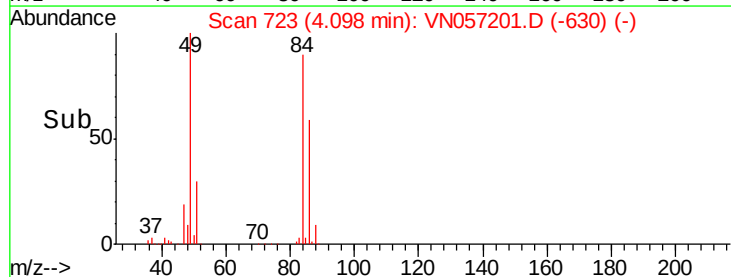
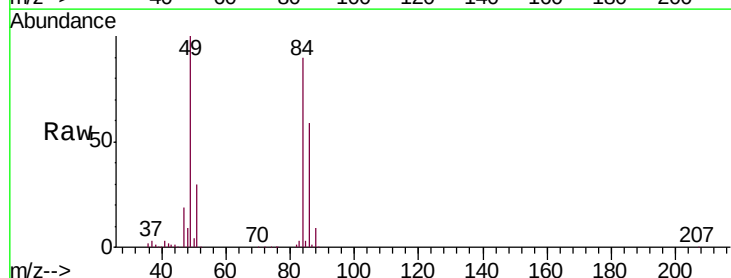
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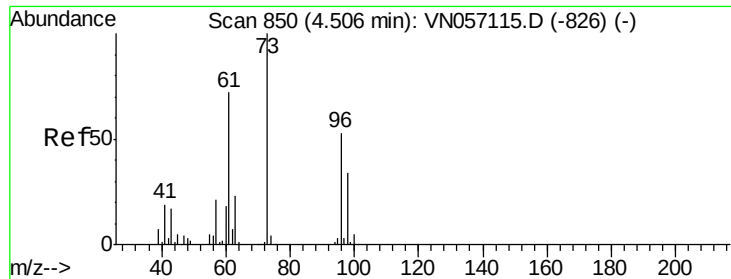
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#20
Methylene Chloride
Concen: 46.896 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Tgt Ion: 84 Resp: 510962
Ion Ratio Lower Upper
84 100
49 111.4 89.5 134.3
51 33.4 27.2 40.8
86 65.2 50.6 75.8





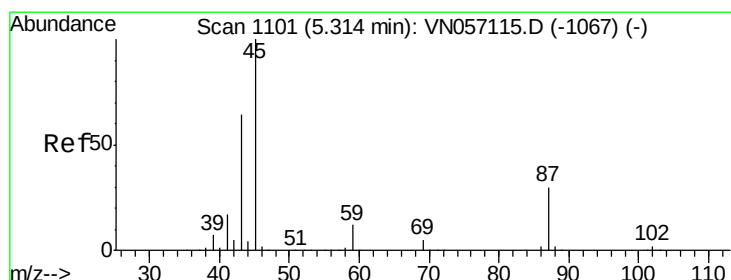
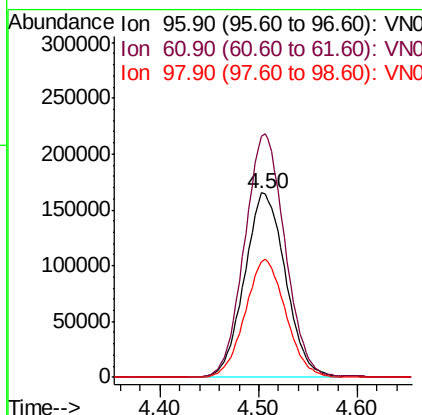
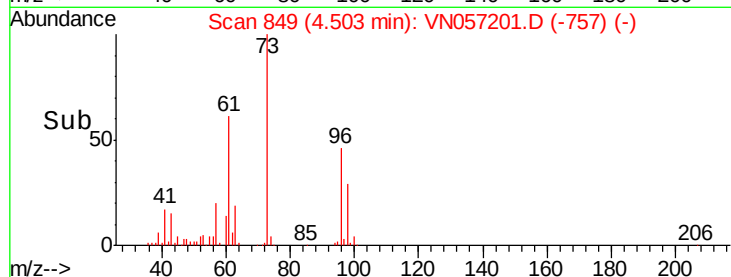
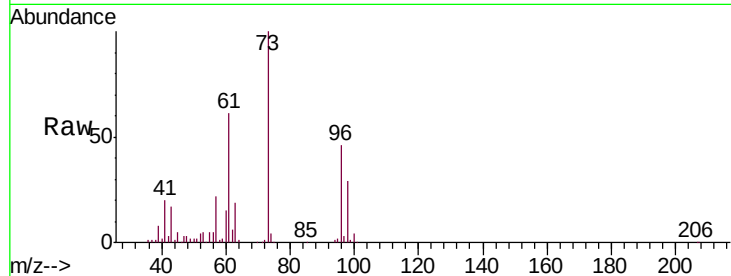
#21
trans-1,2-Dichloroethene
Concen: 48.267 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.7	108.1	162.1
98	62.8	50.5	75.7

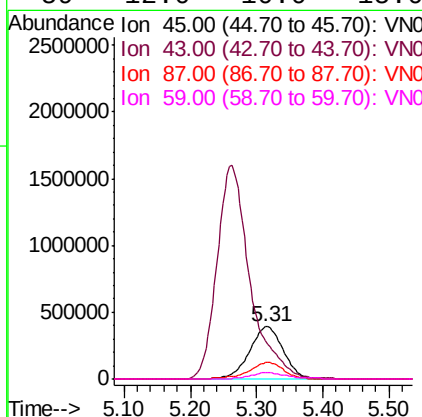
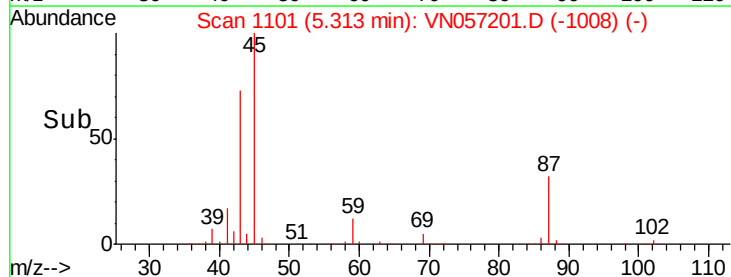
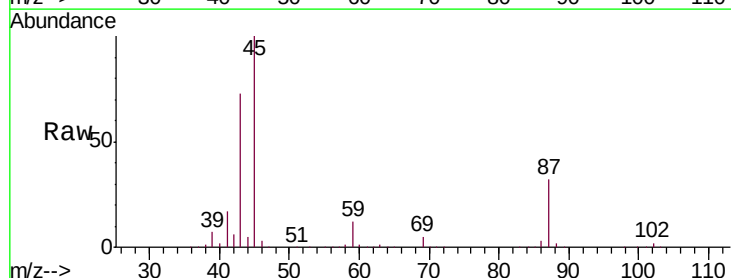
Manual Integrations
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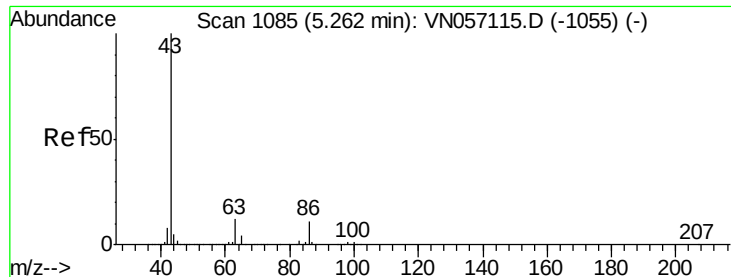
MMDadoda
8/12/2019 3:41:55 PM



#22
Diisopropyl ether
Concen: 48.432 ug/l
RT: 5.31 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.6	54.1	81.1
87	31.7	24.0	36.0
59	12.0	10.0	15.0





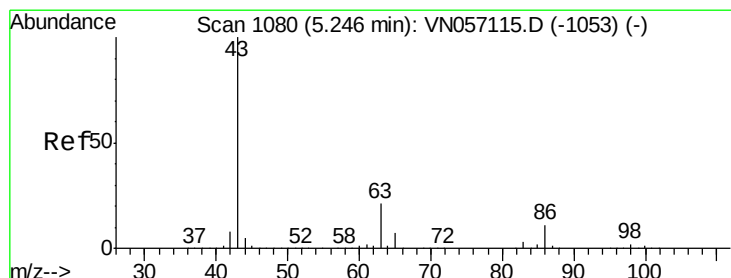
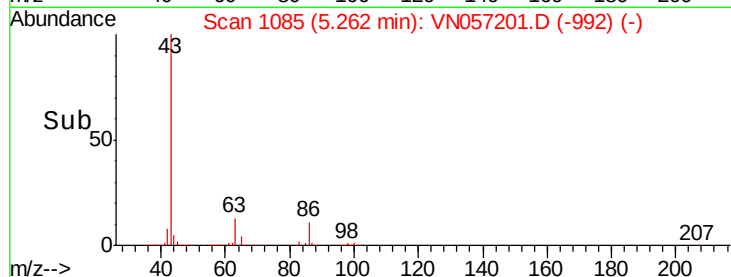
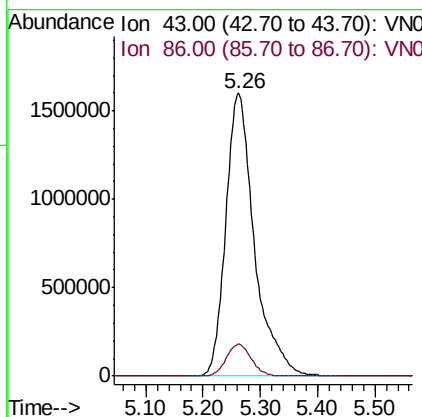
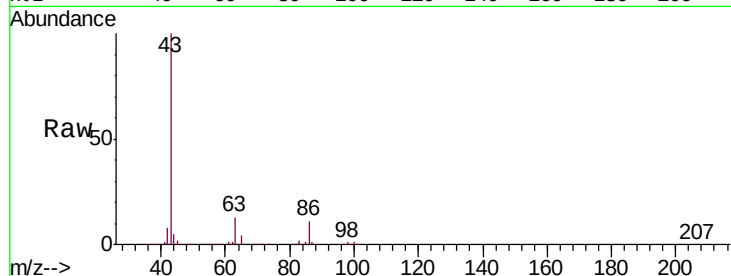
#23
 Vinyl Acetate
 Concen: 252.470 ug/l
 RT: 5.26 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 5542949
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.2 13.8

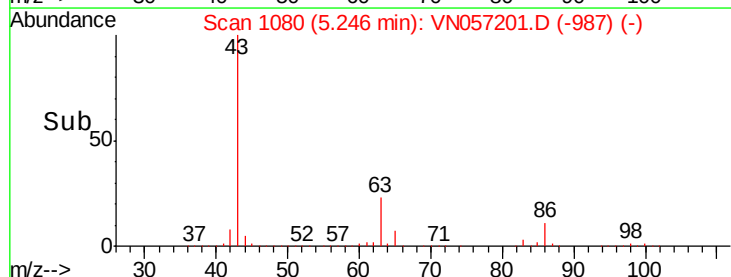
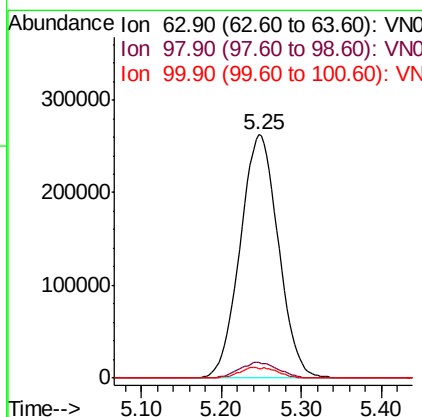
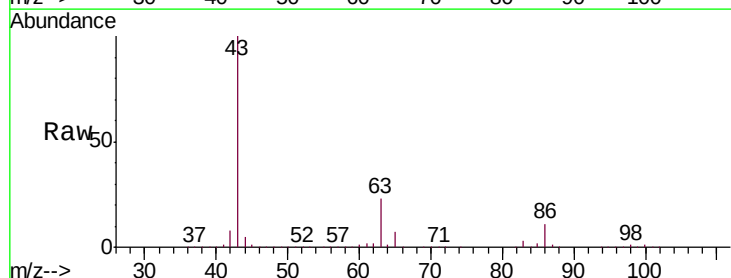
Manual Integrations
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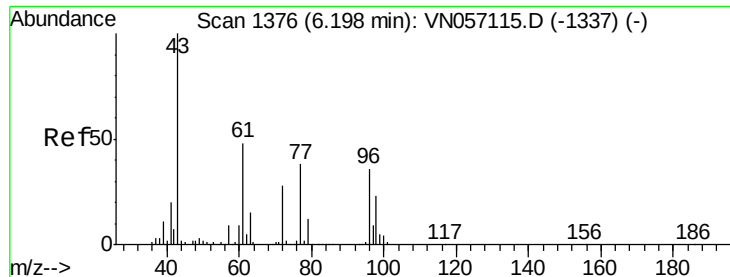
MMDadoda
 8/12/2019 3:41:55 PM



#24
 1,1-Dichloroethane
 Concen: 48.324 ug/l
 RT: 5.25 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

Tgt Ion: 63 Resp: 851708
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.8 11.2
 100 4.0 2.1 6.3





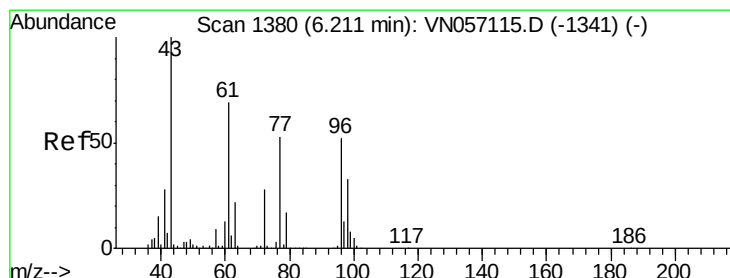
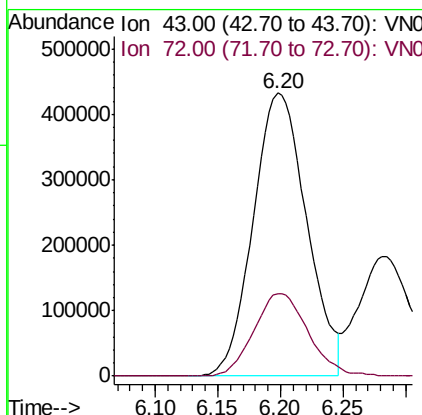
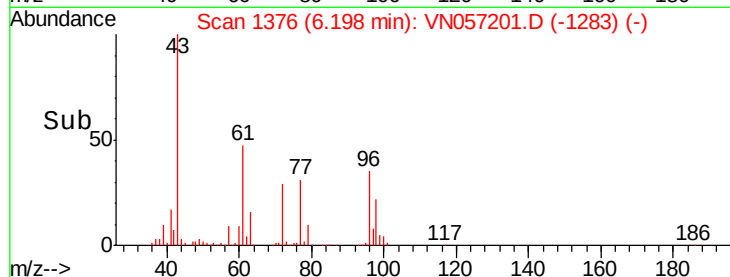
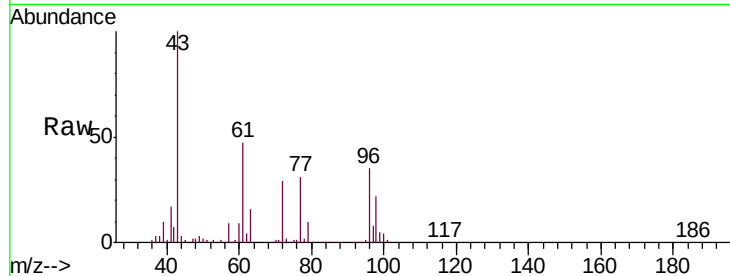
#25
2-Butanone
Concen: 253.969 ug/l
RT: 6.20 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1281022
Ion Ratio Lower Upper
43 100
72 29.2 22.2 33.4

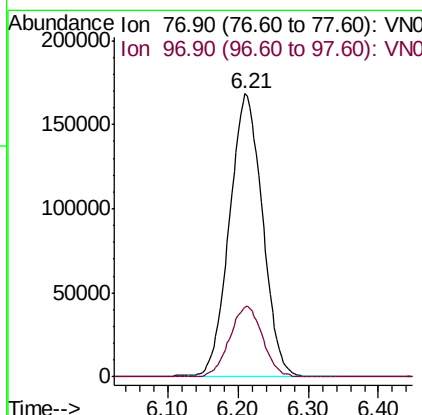
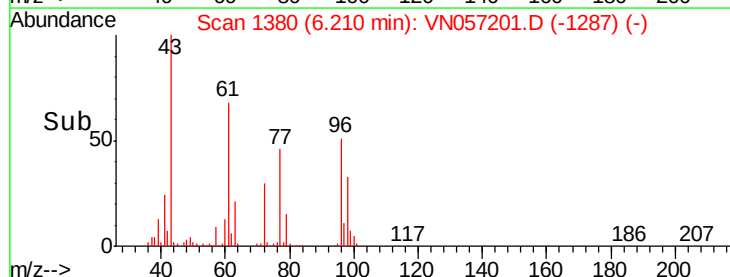
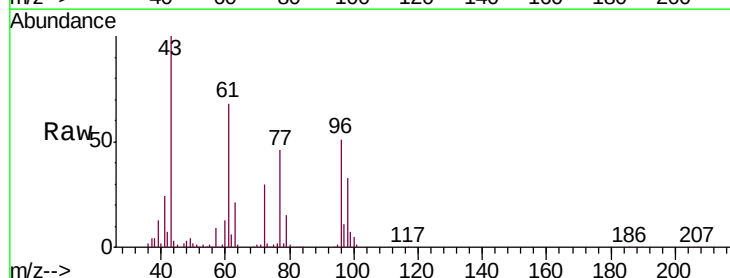
Manual Integrations
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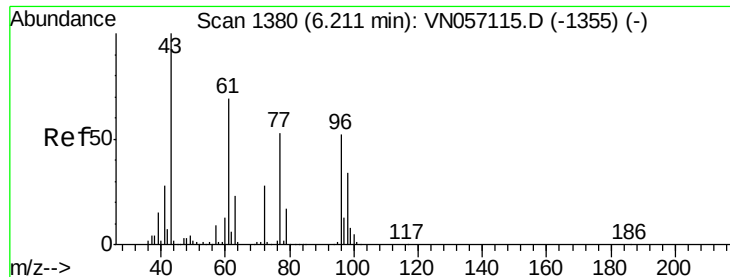
MMDadoda
8/12/2019 3:41:55 PM



#26
2,2-Dichloropropane
Concen: 42.883 ug/l
RT: 6.21 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Tgt Ion: 77 Resp: 549871
Ion Ratio Lower Upper
77 100
97 24.9 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 48.938 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Instrument :

MSVOA_N

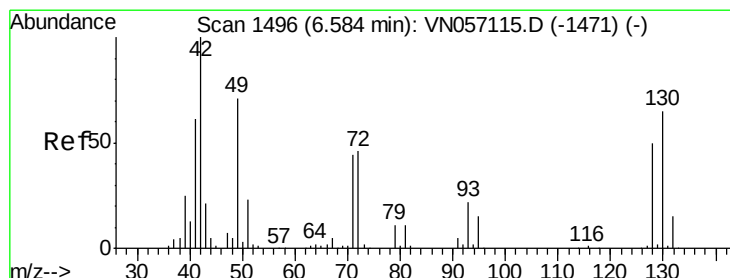
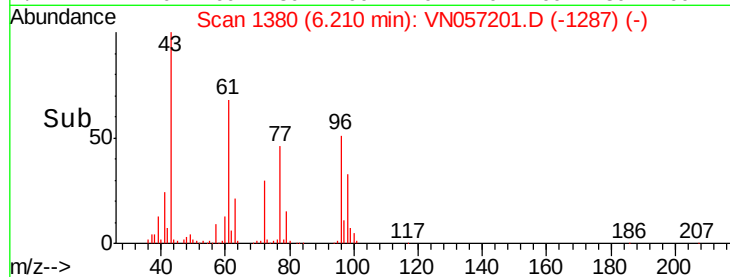
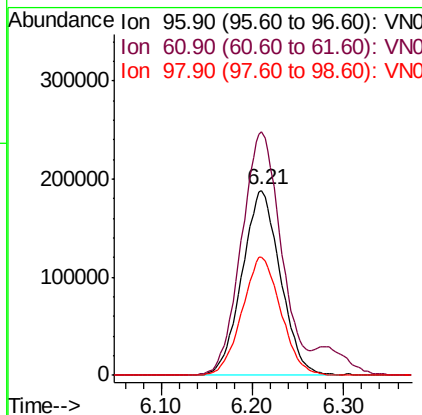
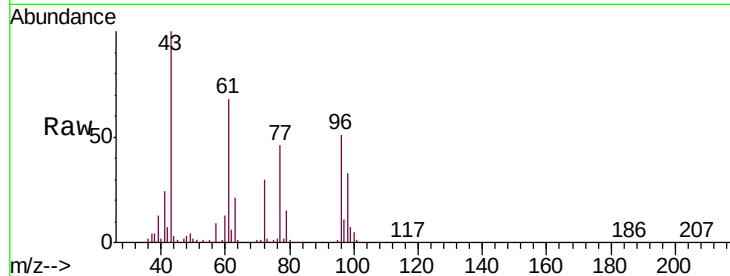
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	552380
Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	273.4
98	64.6	0.0	130.4

Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:41:55 PM



#28

Bromochloromethane

Concen: 50.330 ug/l

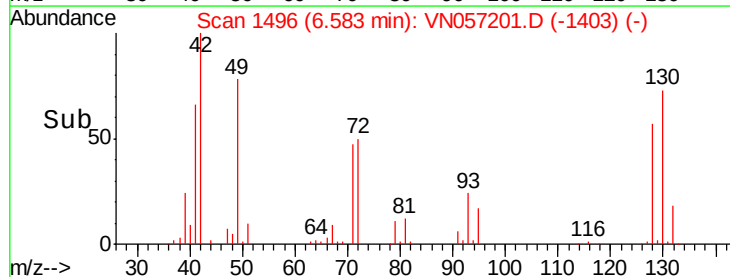
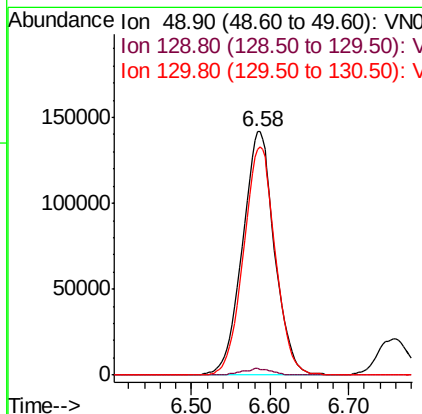
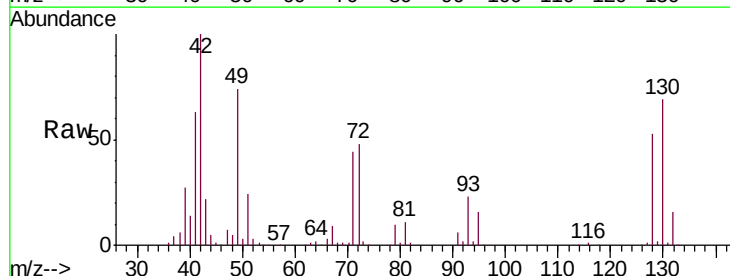
RT: 6.58 min Scan# 1496

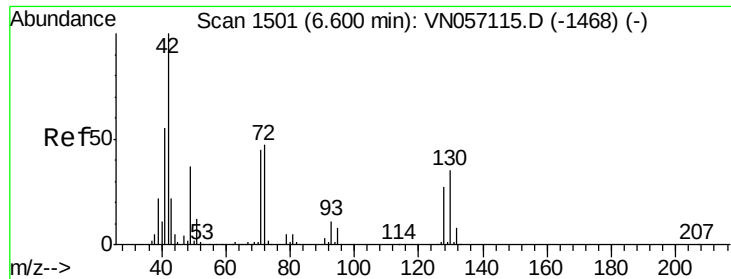
Delta R.T. -0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Tgt Ion:	49	Resp:	408015
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	93.1	73.8	110.8





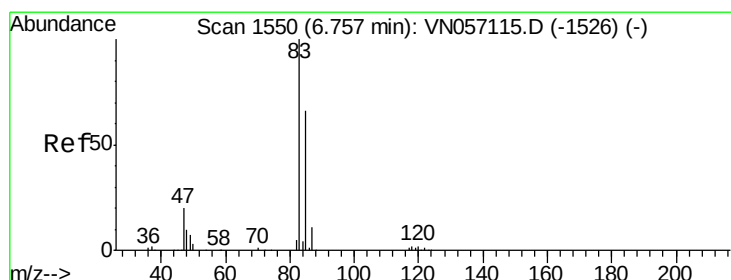
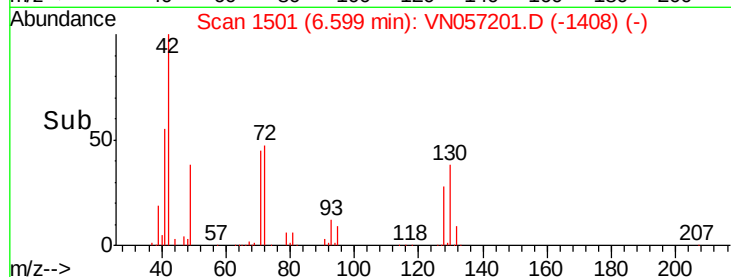
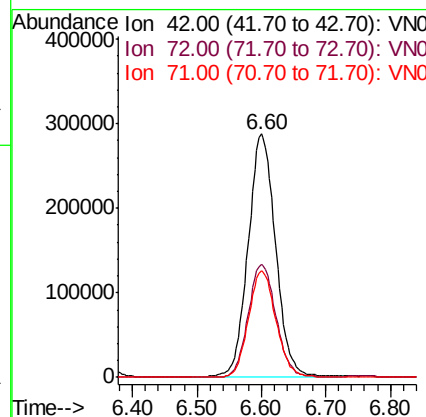
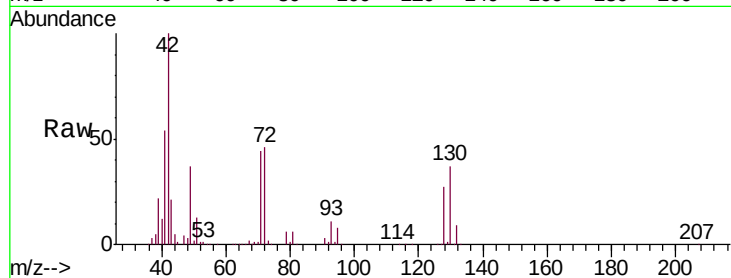
#29
Tetrahydrofuran
Concen: 251.303 ug/l
RT: 6.60 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.1	55.7
71	43.7	34.8	52.2

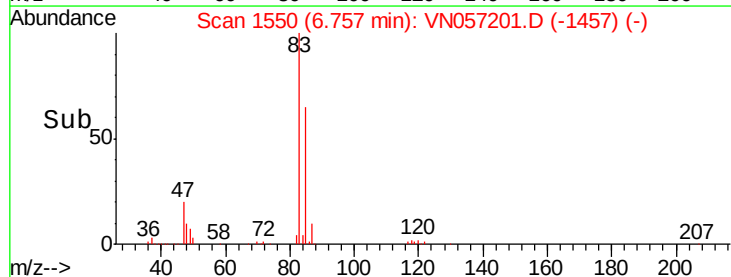
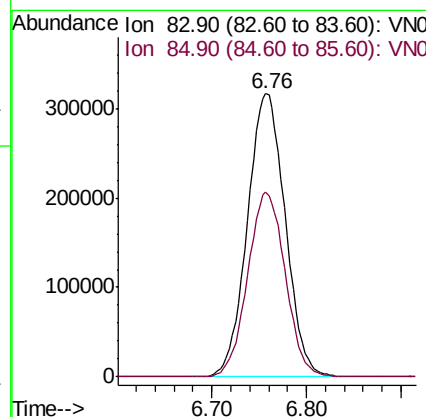
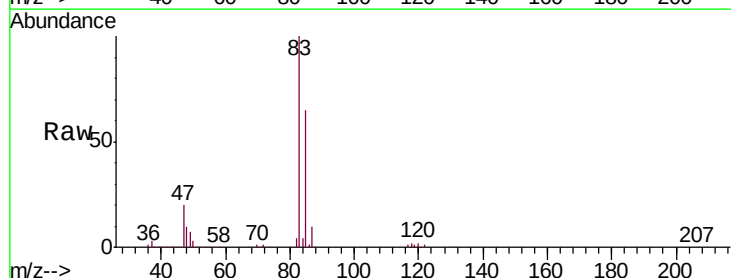
Manual Integrations
APPROVED

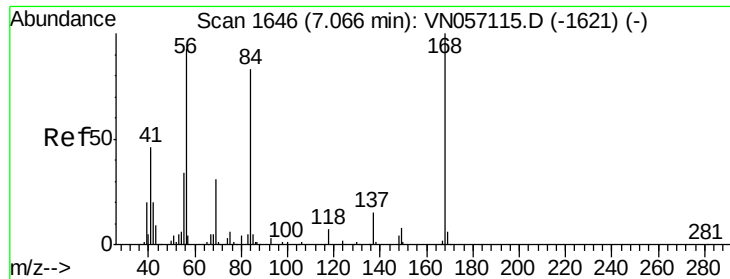
MMDadoda
8/12/2019 3:41:55 PM



#30
Chloroform
Concen: 48.194 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.6	78.8





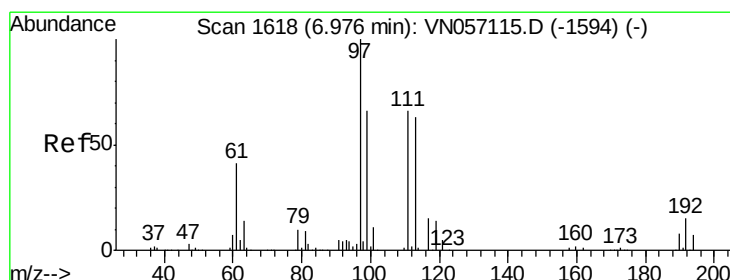
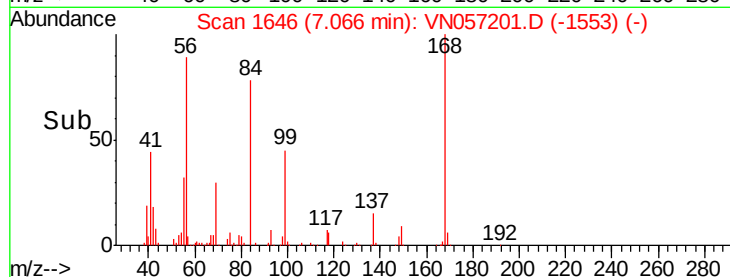
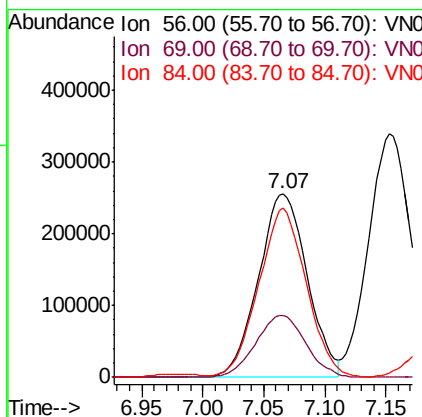
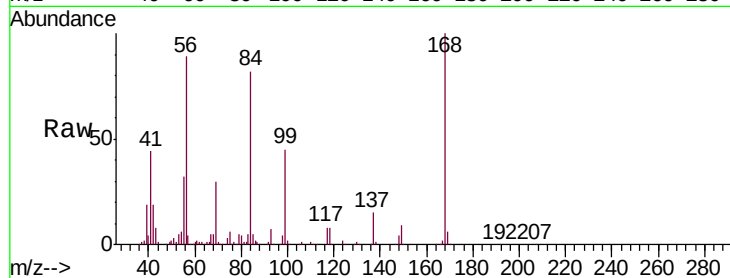
#31
Cyclohexane
Concen: 44.886 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.9	40.3
84	90.8	71.9	107.9

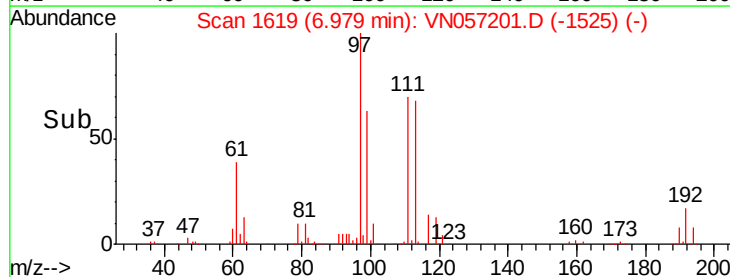
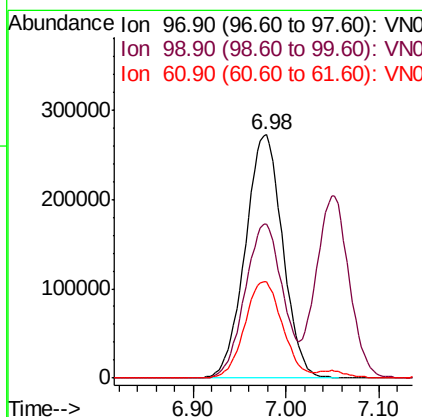
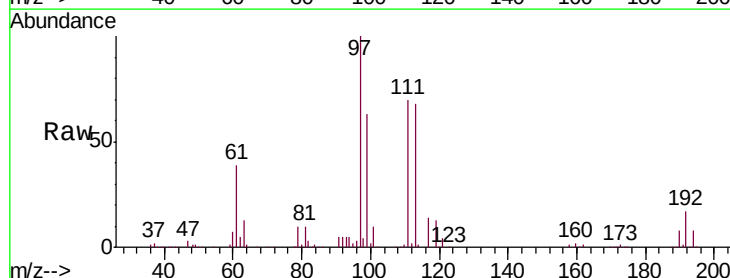
Manual Integrations
APPROVED

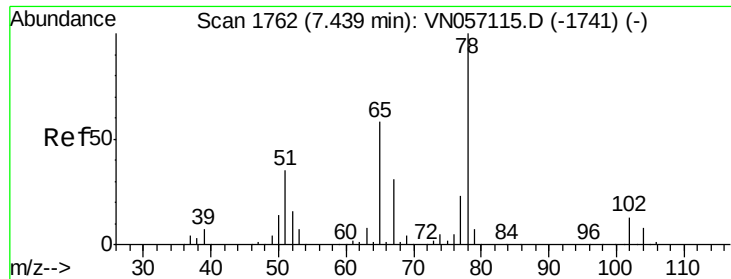
MMDadoda
8/12/2019 3:41:55 PM



#32
1,1,1-Trichloroethane
Concen: 49.831 ug/l
RT: 6.98 min Scan# 1619
Delta R.T. 0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.6
61	40.3	32.7	49.1





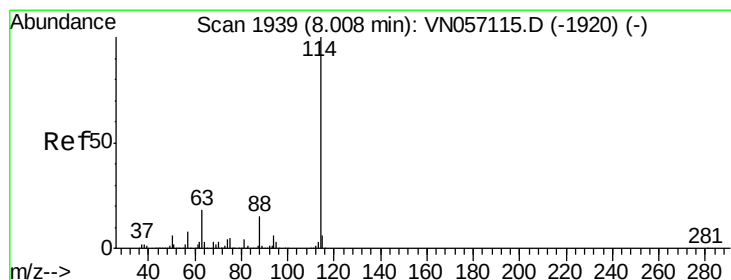
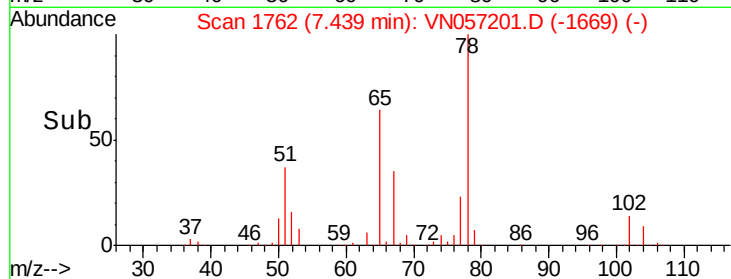
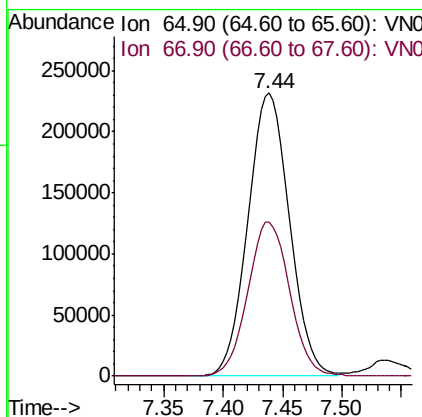
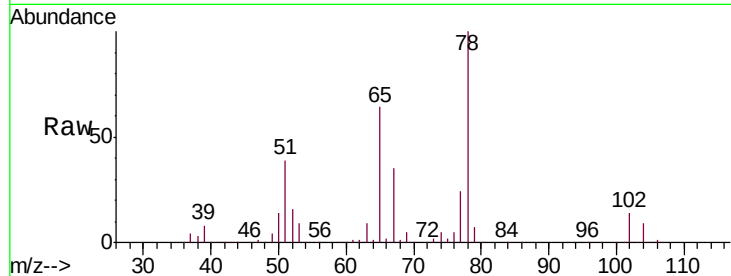
#33
 1,2-Dichloroethane-d4
 Concen: 51.348 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	561320		
67	54.9	0.0	108.2	

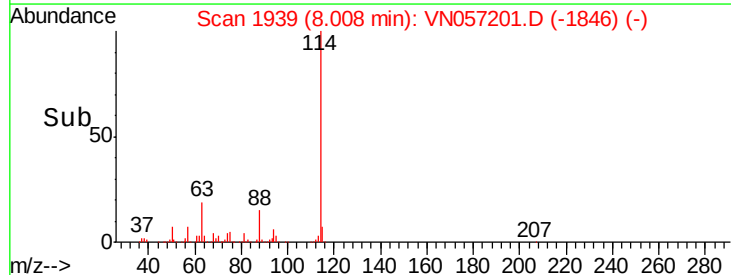
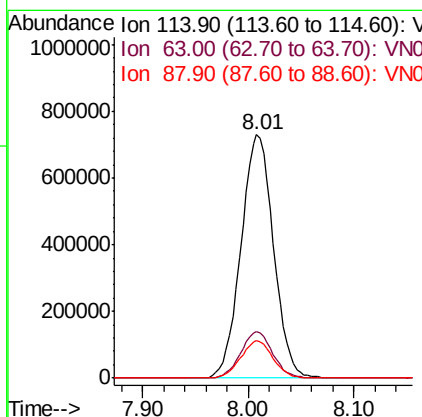
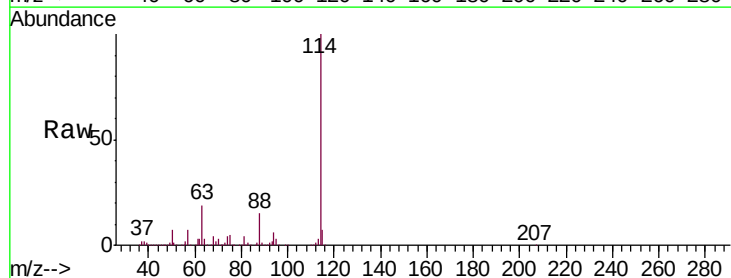
Manual Integrations
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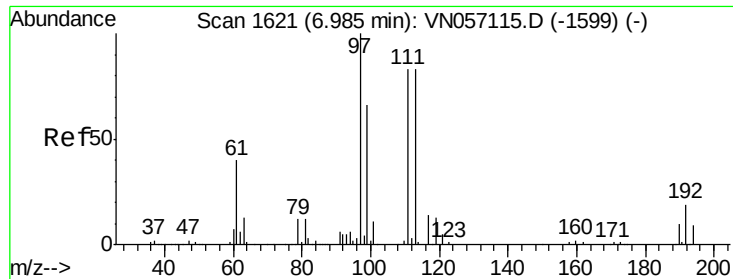
MMDadoda
 8/12/2019 3:41:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1564697		
63	19.0	0.0	36.2	
88	15.3	0.0	30.0	





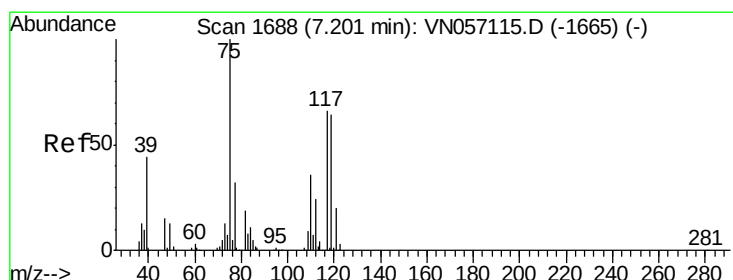
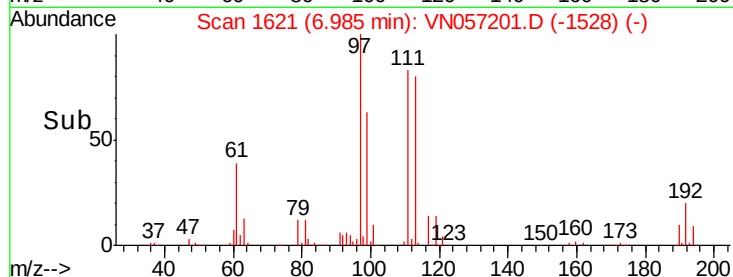
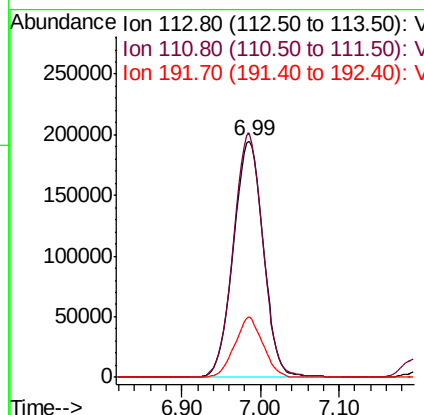
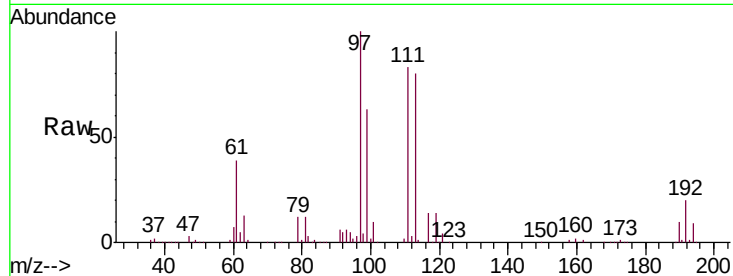
#35
 Dibromofluoromethane
 Concen: 52.622 ug/l
 RT: 6.99 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	51682		
111	101.5	81.3	121.9	
192	24.0	19.0	28.4	

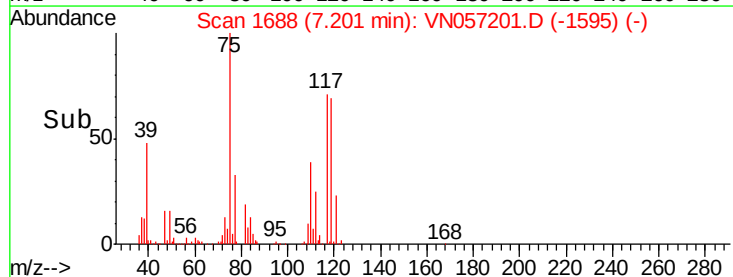
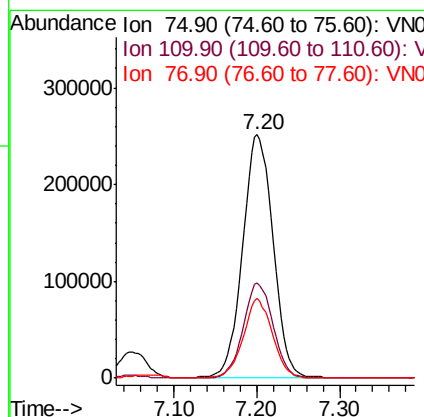
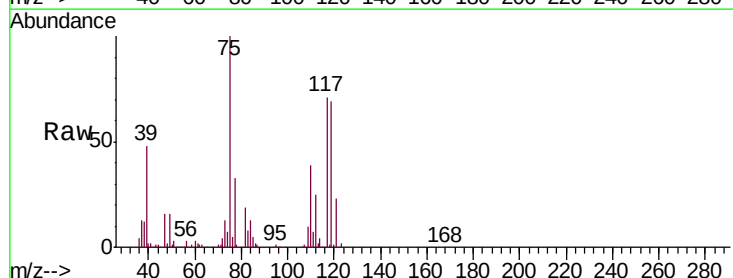
Manual Integrations
 APPROVED

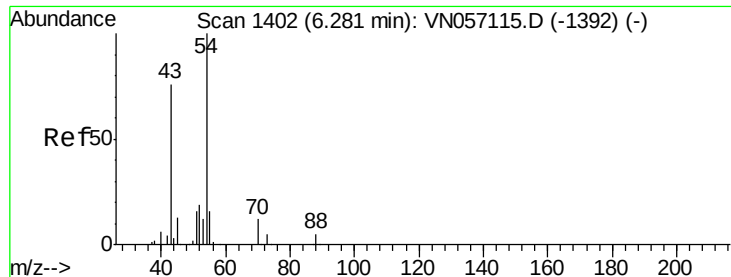
MMDadoda
 8/12/2019 3:41:55 PM



#36
 1,1-Dichloropropene
 Concen: 49.758 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	641032		
110	38.2	18.7	56.1	
77	31.5	25.0	37.4	





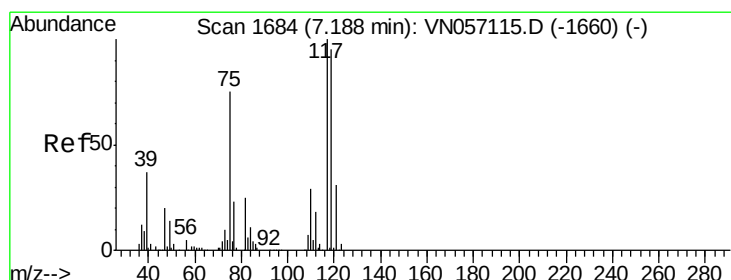
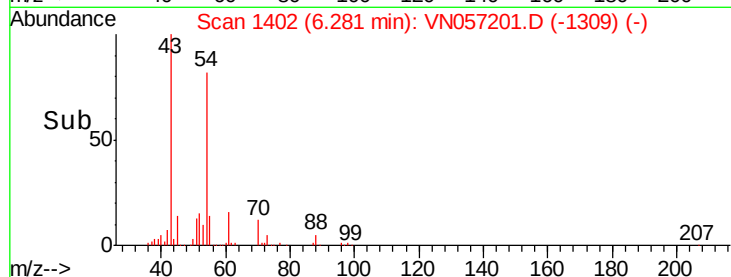
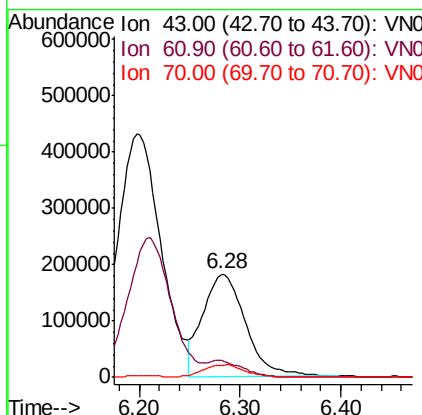
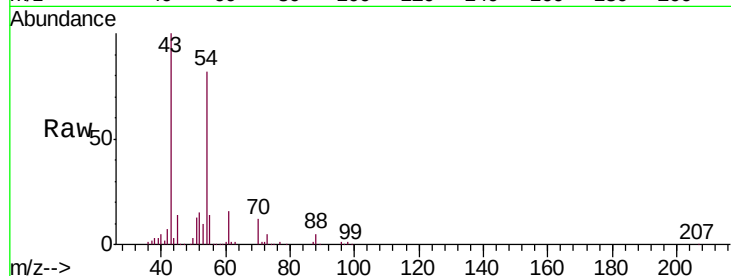
#37
Ethyl Acetate
Concen: 50.418 ug/l
RT: 6.28 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	12.1	9.1	13.7

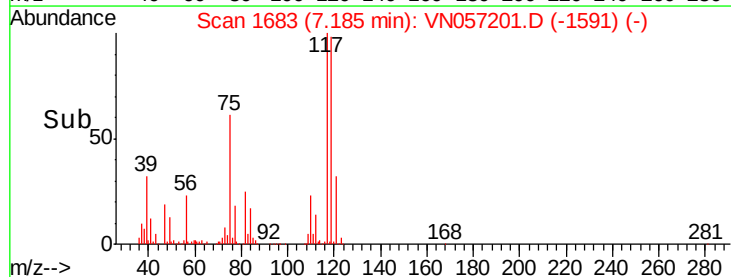
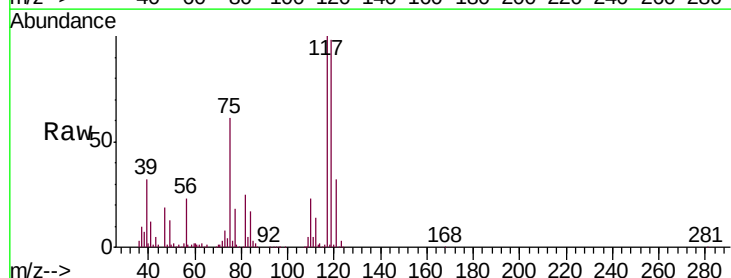
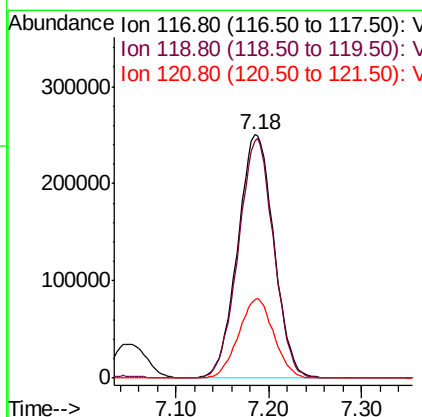
Manual Integrations
APPROVED

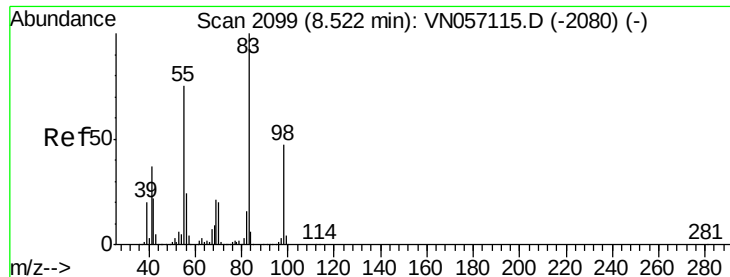
MMDadoda
8/12/2019 3:41:55 PM



#38
Carbon Tetrachloride
Concen: 50.412 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	75.8	113.6
121	32.0	24.4	36.6





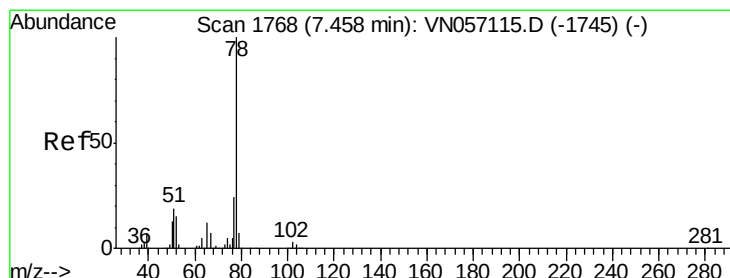
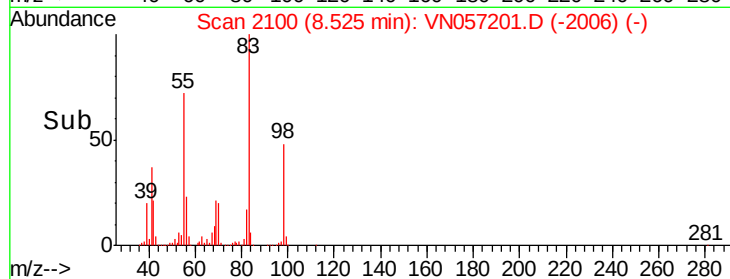
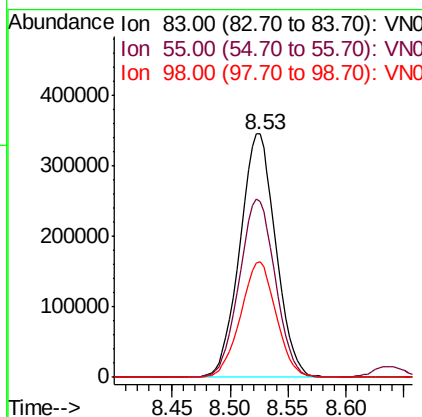
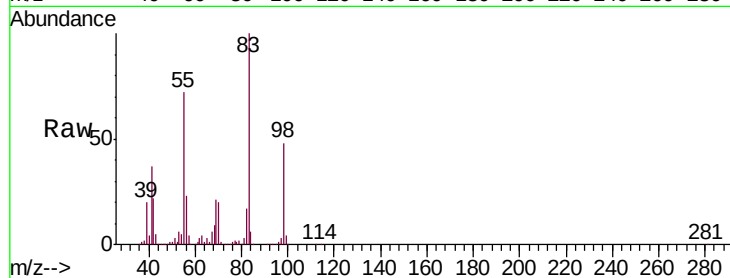
#39
Methylcyclohexane
Concen: 47.466 ug/l
RT: 8.53 min Scan# 2100
Delta R.T. 0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.4	60.3	90.5
98	47.5	37.9	56.9

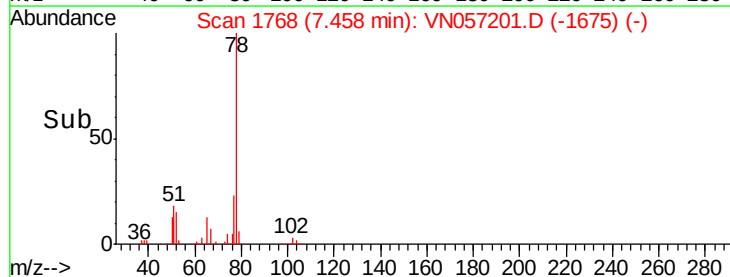
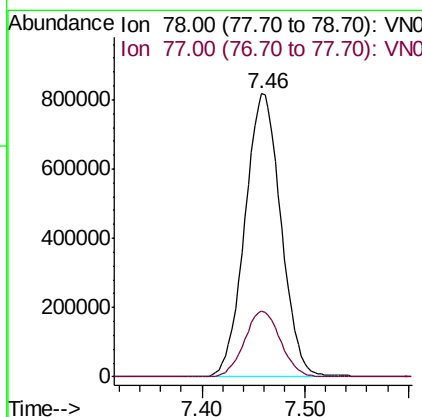
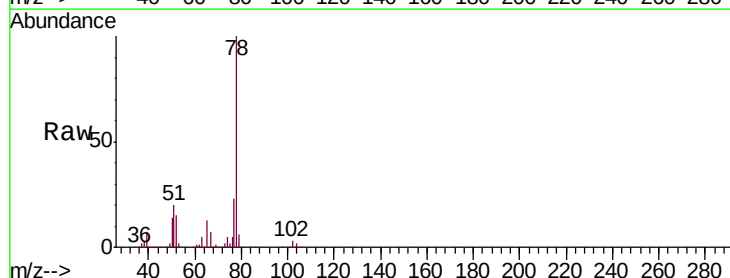
Manual Integrations
APPROVED

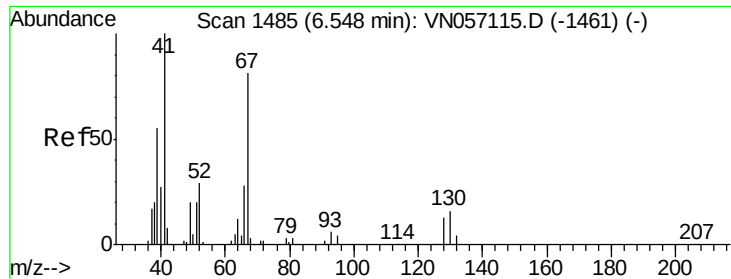
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8/12/2019 3:41:55 PM



#40
Benzene
Concen: 48.593 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8





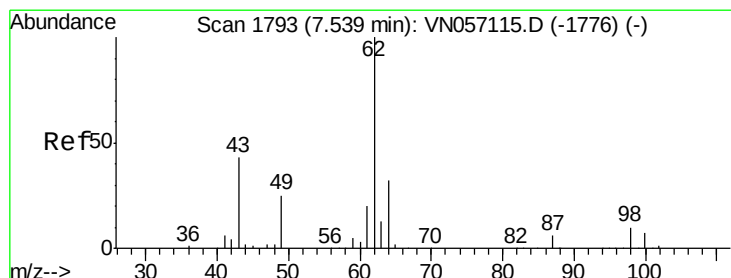
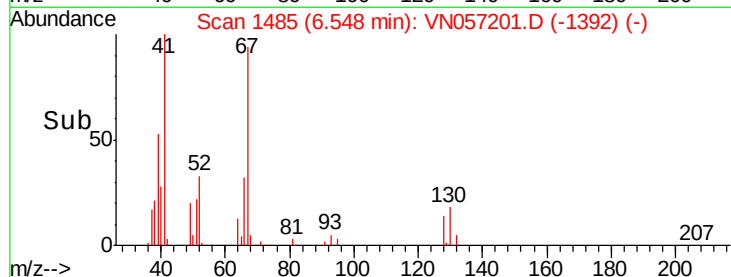
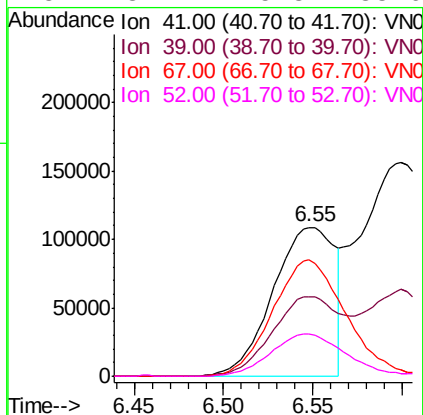
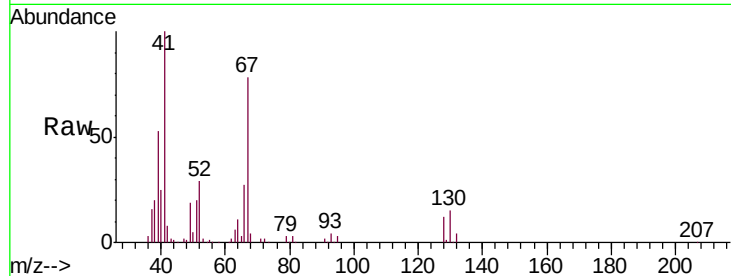
#41
Methacrylonitrile
Concen: 48.293 ug/l
RT: 6.55 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.3	44.9	67.3
67	93.6	69.1	103.7
52	34.7	25.8	38.6

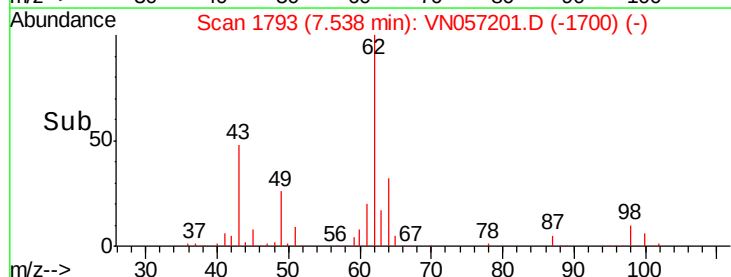
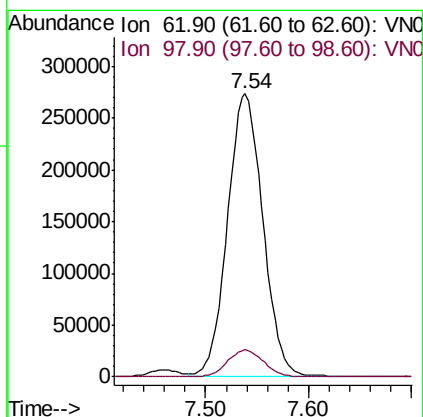
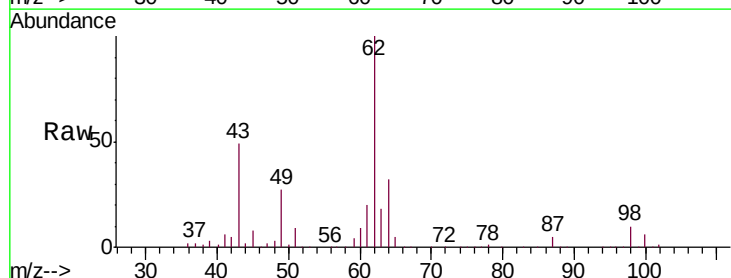
Manual Integrations
APPROVED

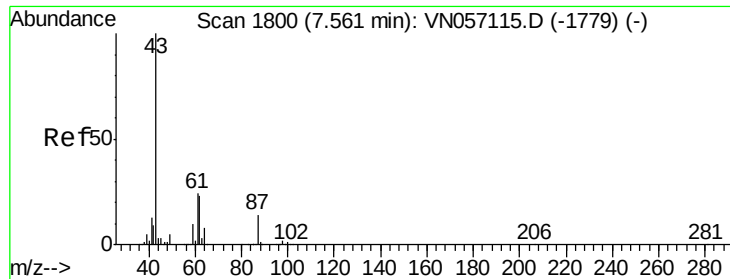
MMDadoda
8/12/2019 3:41:55 PM



#42
1,2-Dichloroethane
Concen: 50.075 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4





#43

Isopropyl Acetate

Concen: 63.884 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1157788

Ion Ratio Lower Upper

43 100

61 23.9 24.2 36.2#

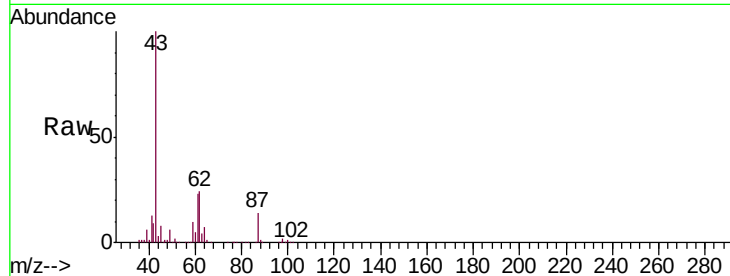
87 11.8 11.8 17.8#

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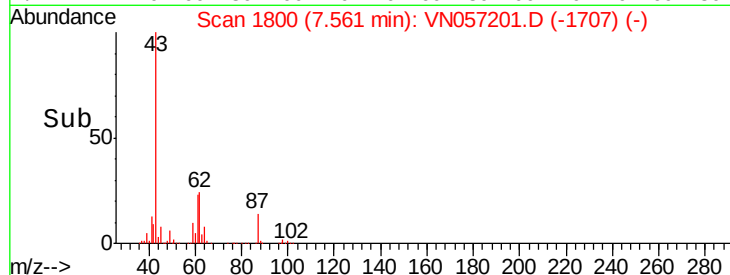


Abundance Ion 43.00 (42.70 to 43.70): VN057115.D (-1779) (-)

Ion 61.00 (60.70 to 61.70): VN057115.D (-1779) (-)

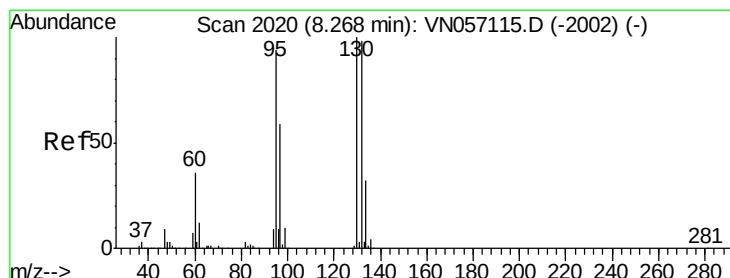
Ion 87.00 (86.70 to 87.70): VN057115.D (-1779) (-)

Time-->



Abundance

Time-->



#44

Trichloroethene

Concen: 49.566 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VN057201.D

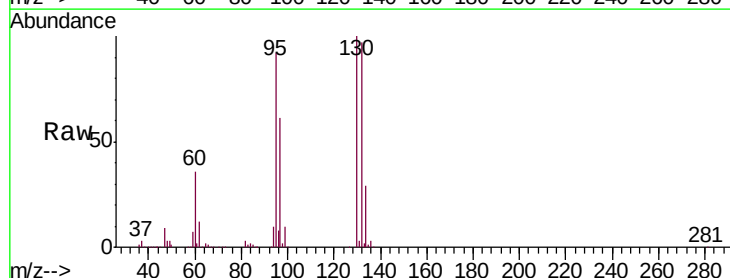
Acq: 11 Aug 2019 20:43

Tgt Ion: 130 Resp: 566345

Ion Ratio Lower Upper

130 100

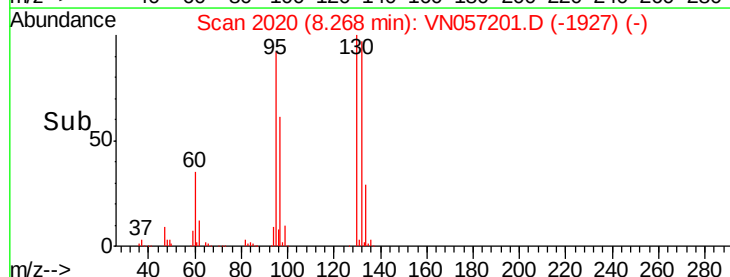
95 92.0 0.0 187.4



Abundance Ion 129.80 (129.50 to 130.50): VN057115.D (-2002) (-)

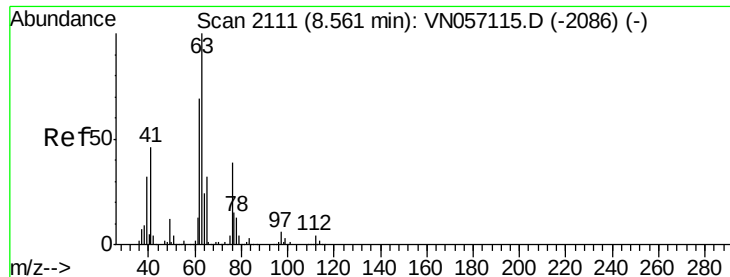
Ion 94.90 (94.60 to 95.60): VN057115.D (-2002) (-)

Time-->



Abundance

Time-->



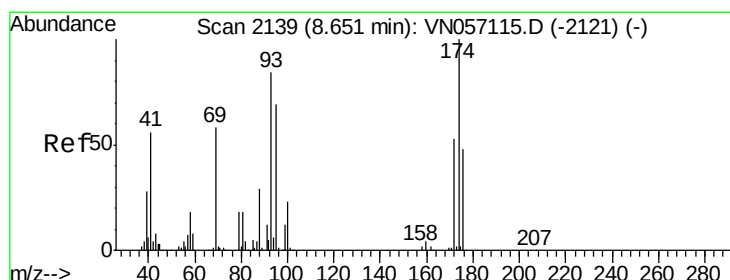
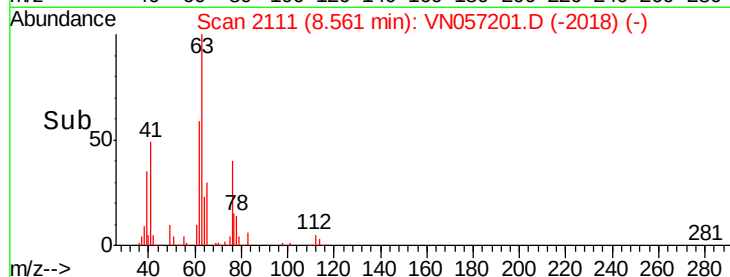
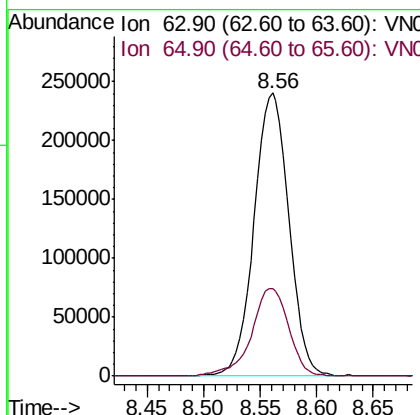
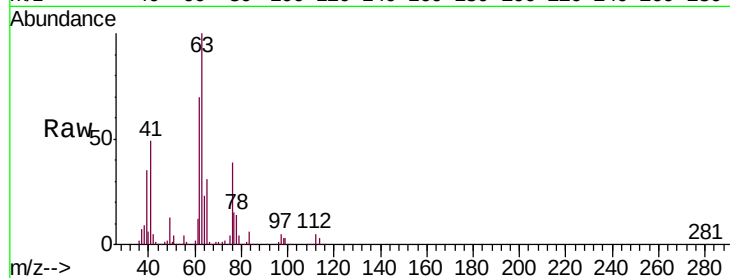
#45
 1,2-Dichloropropane
 Concen: 48.759 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.2	37.8

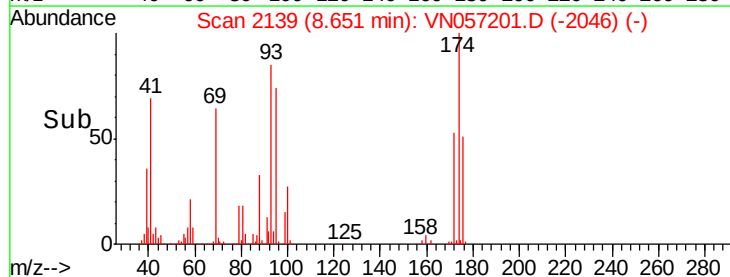
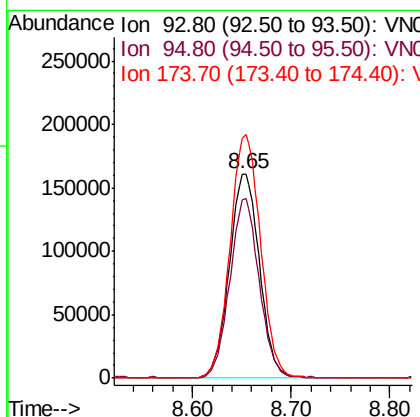
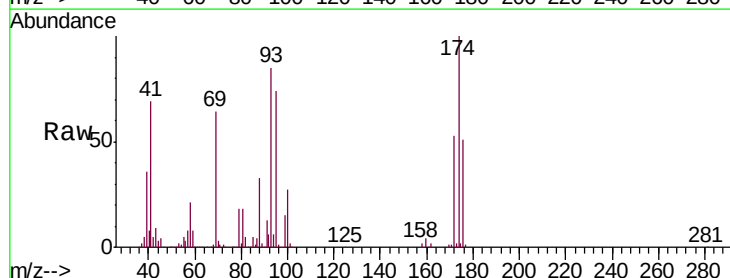
Manual Integrations
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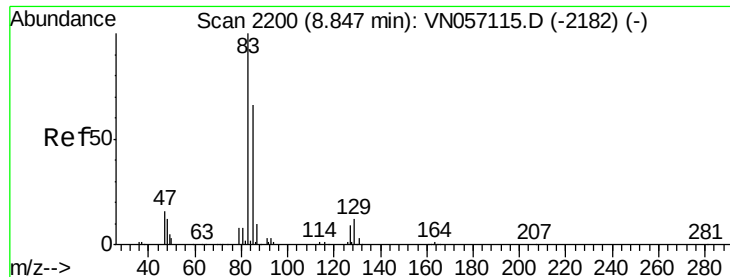
MMDadoda
 8/12/2019 3:41:55 PM



#46
 Dibromomethane
 Concen: 50.726 ug/l
 RT: 8.65 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.1	66.0	99.0
174	120.0	96.0	144.0





#47

Bromodichloromethane

Concen: 51.688 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Instrument :

MSVOA_N

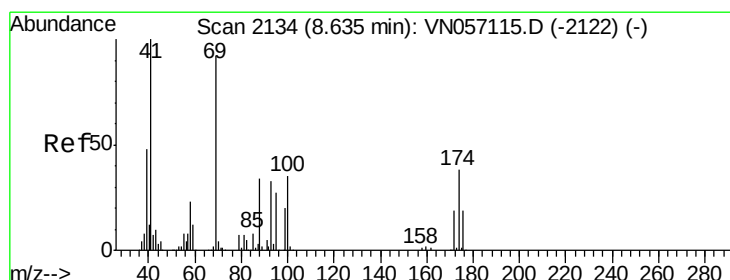
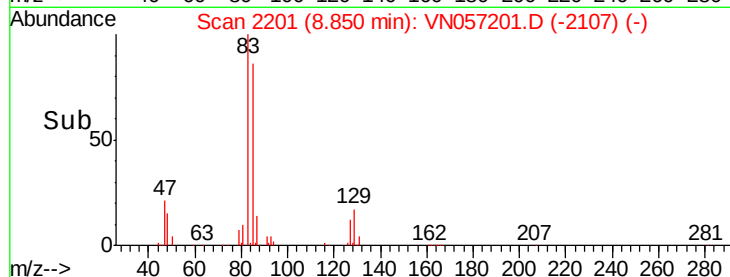
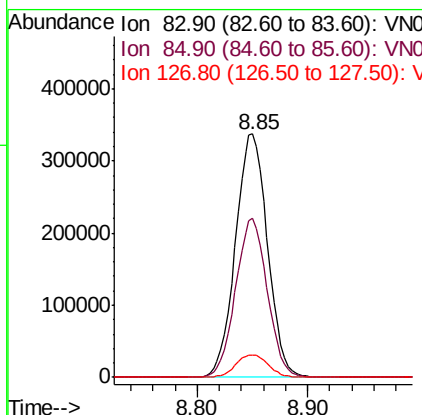
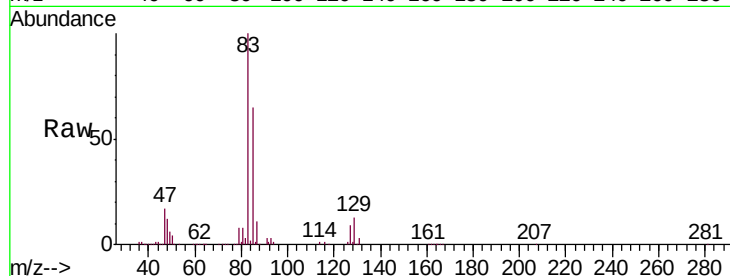
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	677180
Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.6	78.8
127	9.2	7.5	11.3

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#48

Methyl methacrylate

Concen: 49.932 ug/l

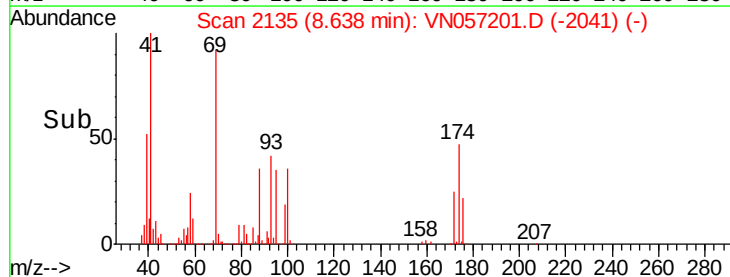
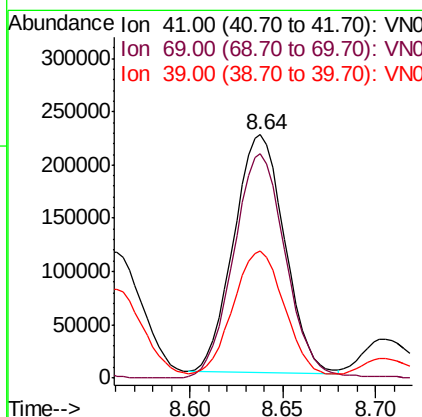
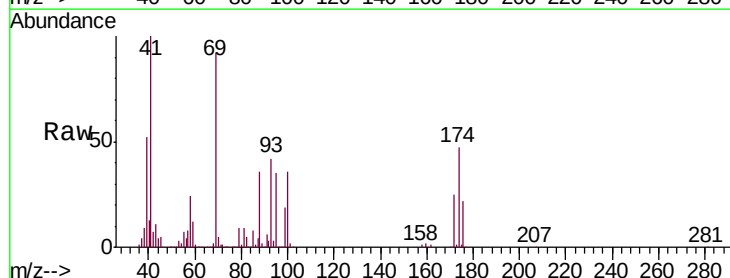
RT: 8.64 min Scan# 2135

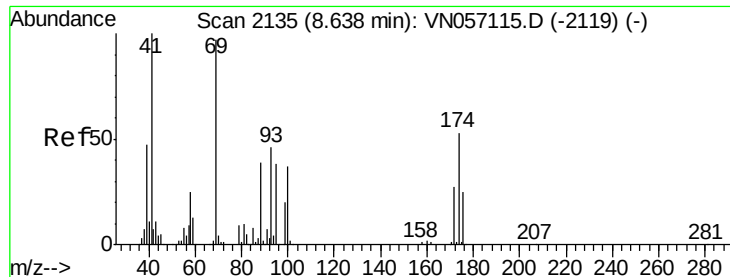
Delta R.T. 0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Tgt Ion:	41	Resp:	426716
Ion	Ratio	Lower	Upper
41	100		
69	96.8	77.5	116.3
39	51.7	39.8	59.6





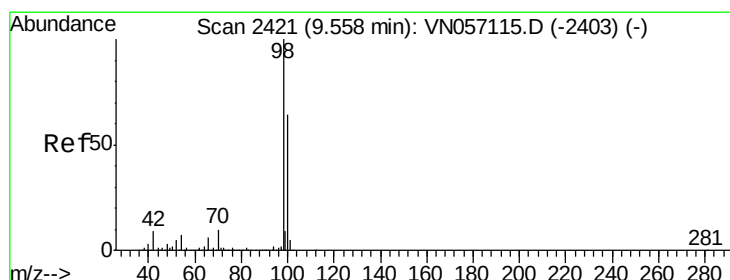
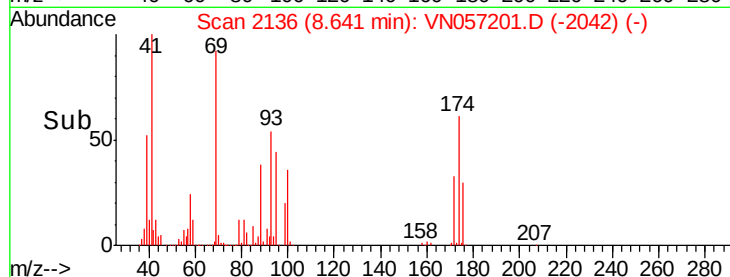
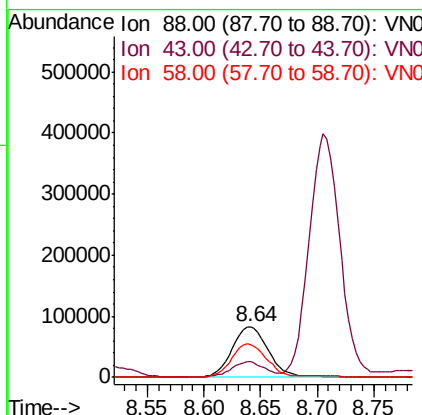
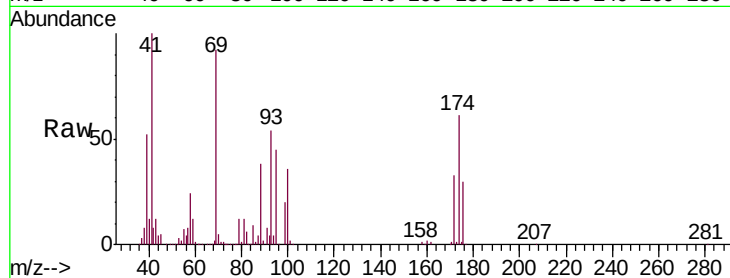
#49
1,4-Dioxane
Concen: 1073.578 ug/l
RT: 8.64 min Scan# 2136
Delta R.T. 0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	27.2	21.7	32.5
58	64.1	51.1	76.7

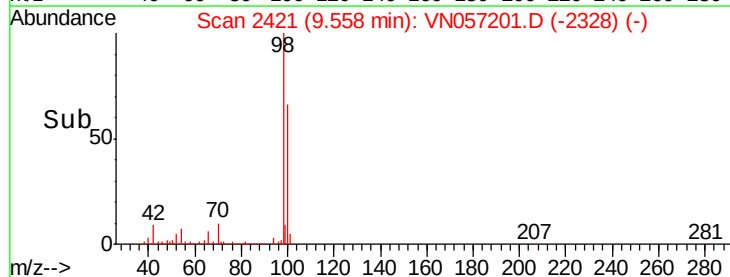
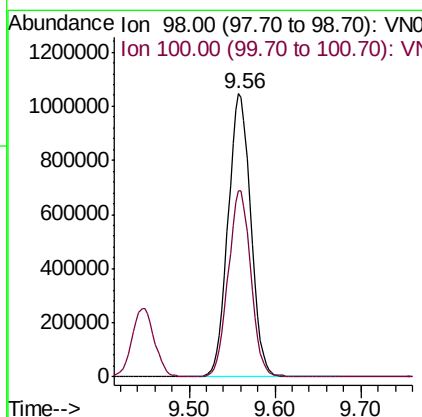
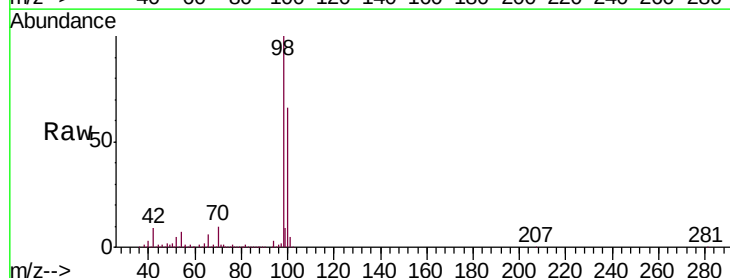
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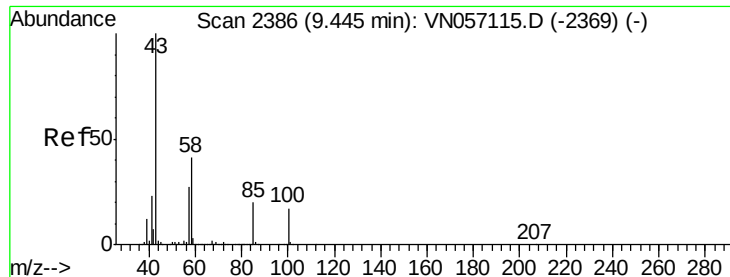
MMDadoda
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#50
Toluene-d8
Concen: 51.046 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.2	76.8





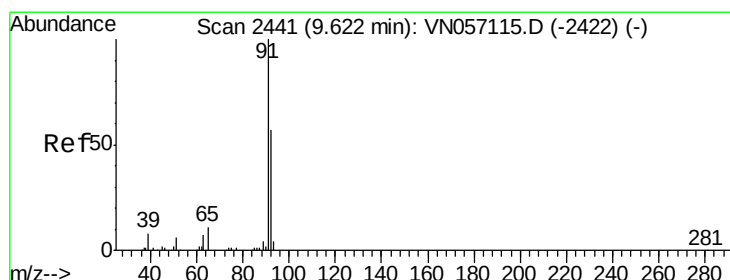
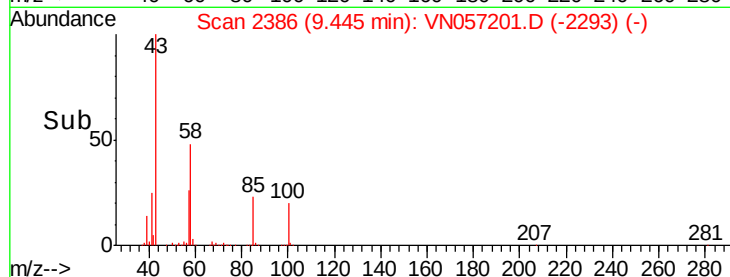
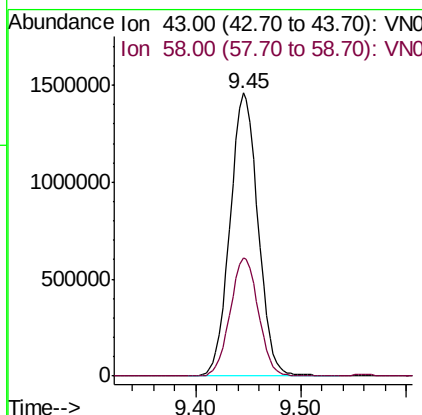
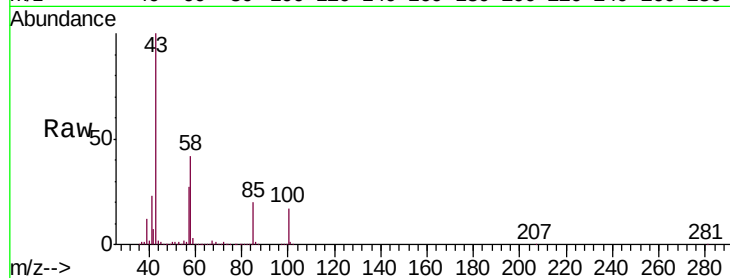
#51
4-Methyl-2-Pentanone
Concen: 253.738 ug/l
RT: 9.45 min Scan# 2386
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 2676322
Ion Ratio Lower Upper
43 100
58 42.1 33.2 49.8

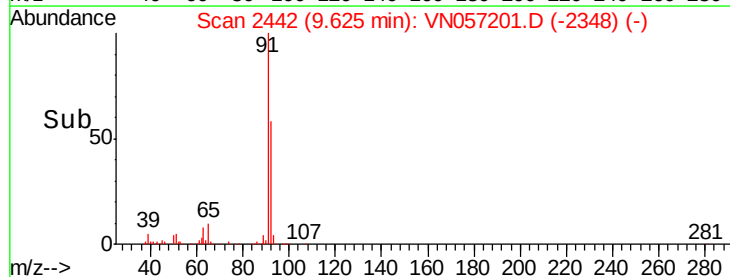
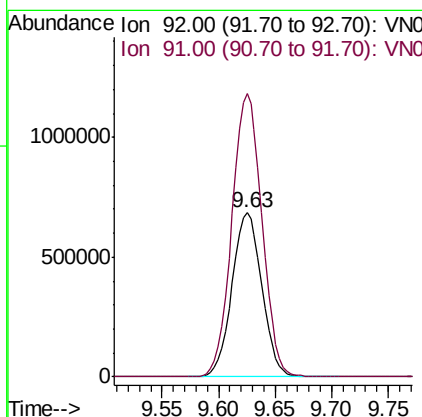
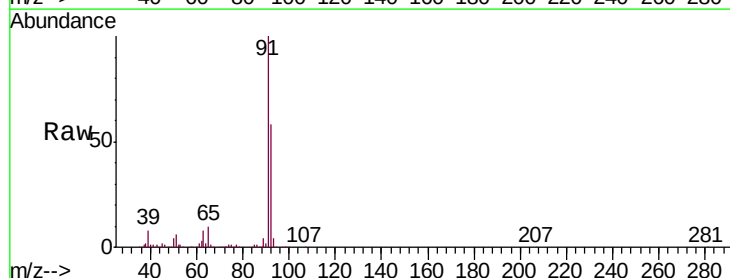
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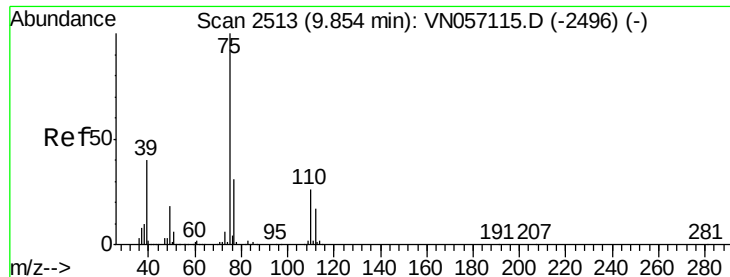
MMDadoda
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#52
Toluene
Concen: 49.718 ug/l
RT: 9.63 min Scan# 2442
Delta R.T. 0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Tgt Ion: 92 Resp: 1258629
Ion Ratio Lower Upper
92 100
91 174.0 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 51.792 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 708868

Ion Ratio Lower Upper

75 100

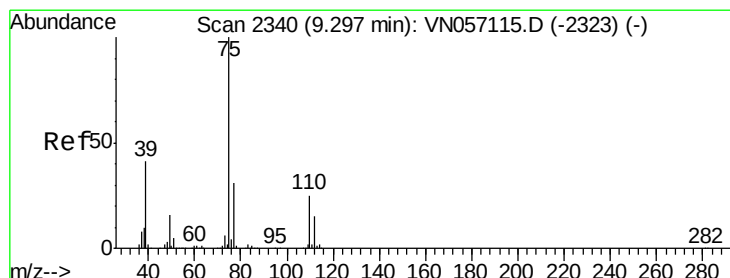
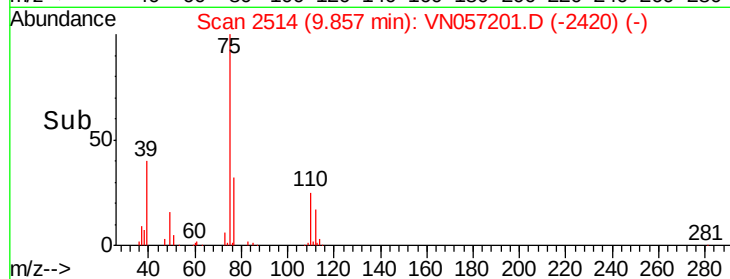
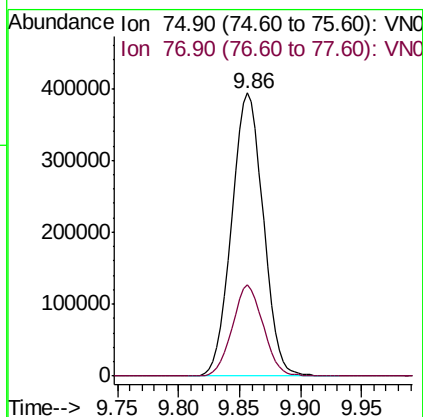
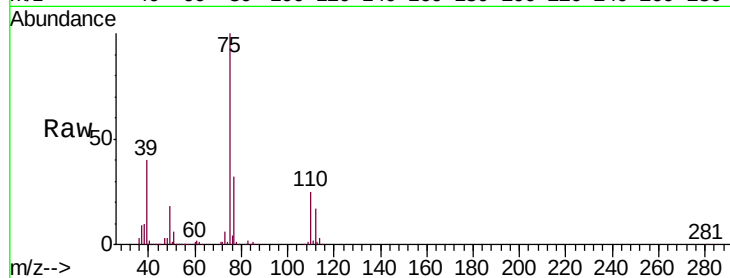
77 32.2 24.8 37.2

Manual Integrations

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8/12/2019 3:41:55 PM



#54

cis-1,3-Dichloropropene

Concen: 51.142 ug/l

RT: 9.30 min Scan# 2340

Delta R.T. -0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

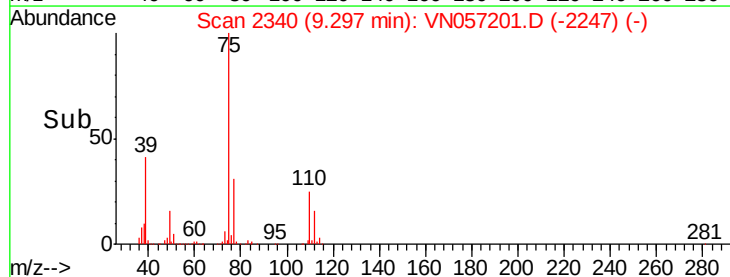
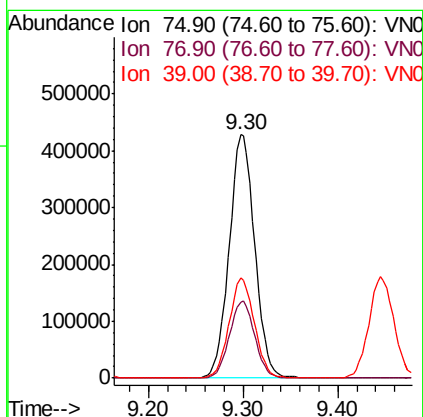
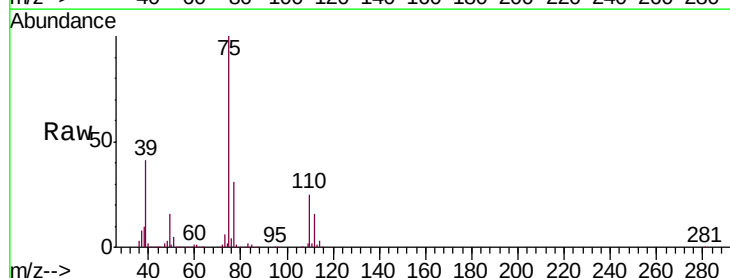
Tgt Ion: 75 Resp: 803193

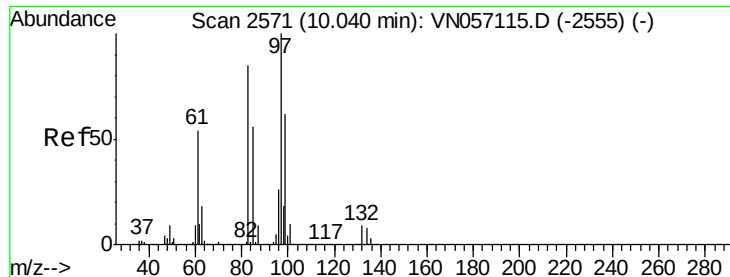
Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 40.9 32.5 48.7





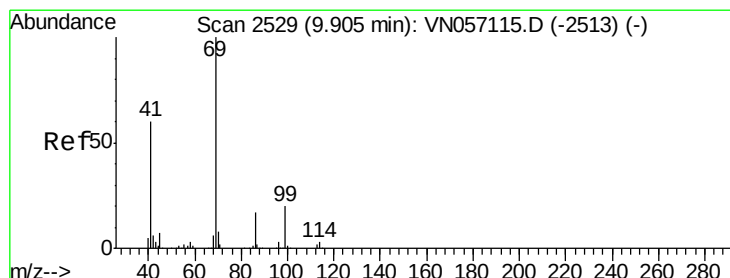
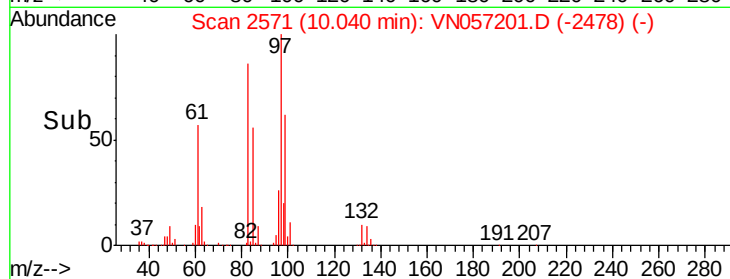
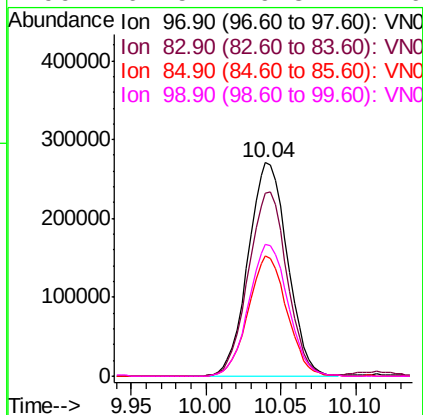
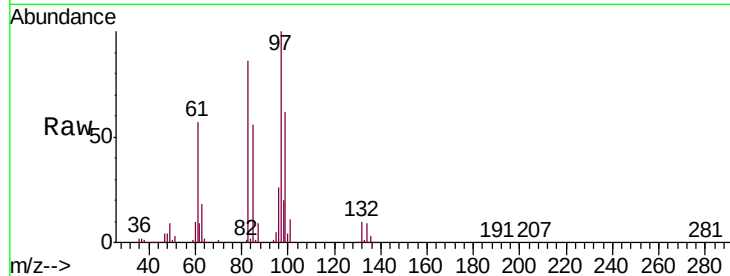
#55
 1,1,2-Trichloroethane
 Concen: 49.903 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.8	101.8
85	56.4	44.4	66.6
99	61.5	49.8	74.6

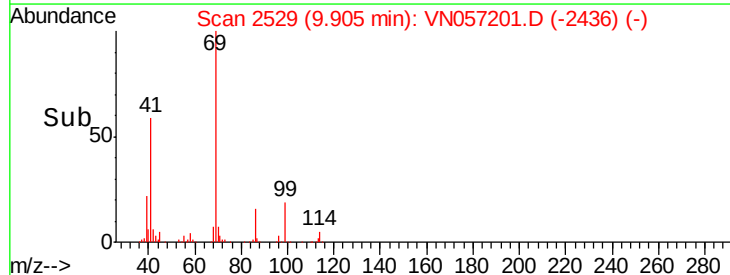
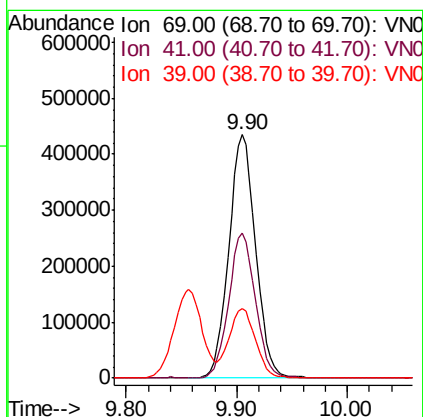
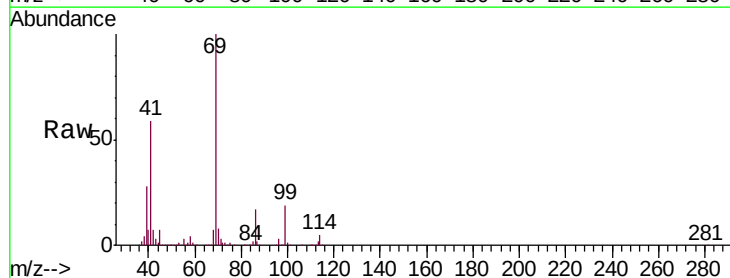
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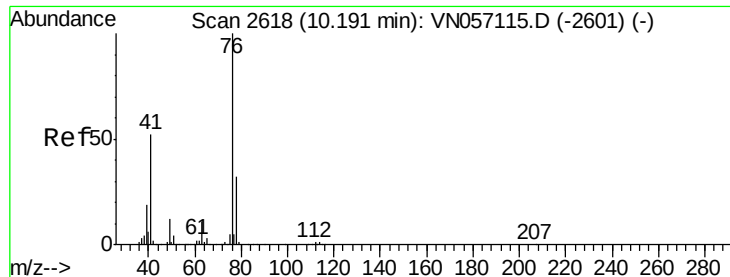
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 8/12/2019 3:41:55 PM



#56
 Ethyl methacrylate
 Concen: 52.459 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.2	48.1	72.1
39	28.2	23.6	35.4





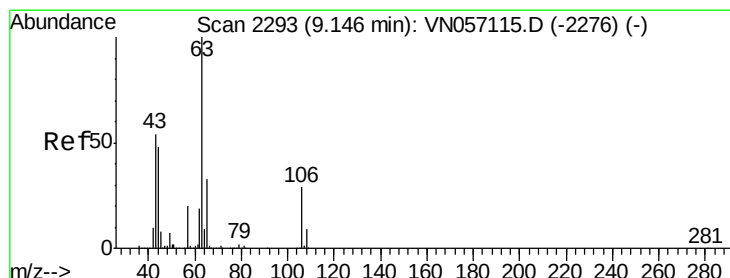
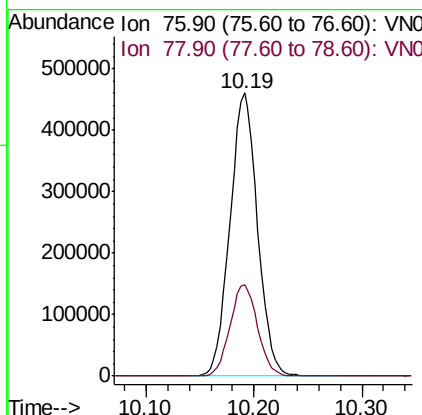
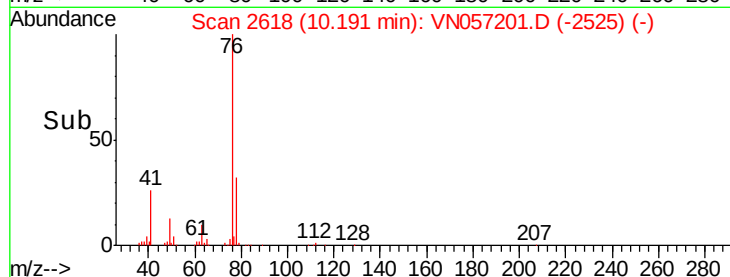
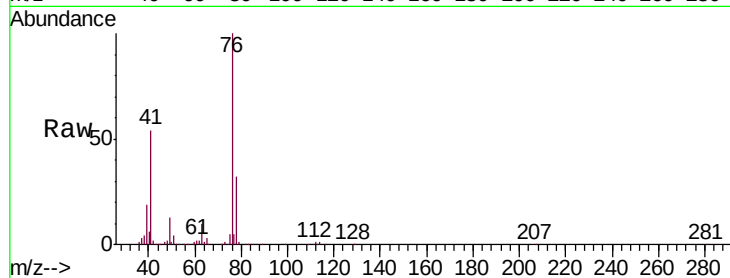
#57
 1,3-Dichloropropane
 Concen: 49.933 ug/l
 RT: 10.19 min Scan# 2618
 Delta R.T. -0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 819738
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9

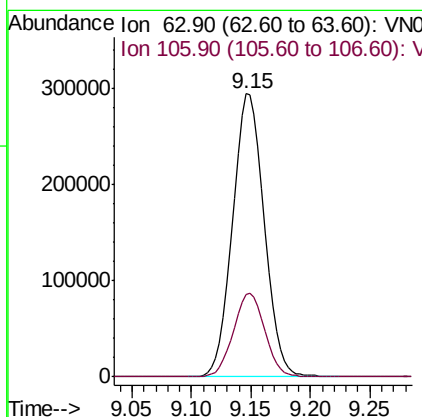
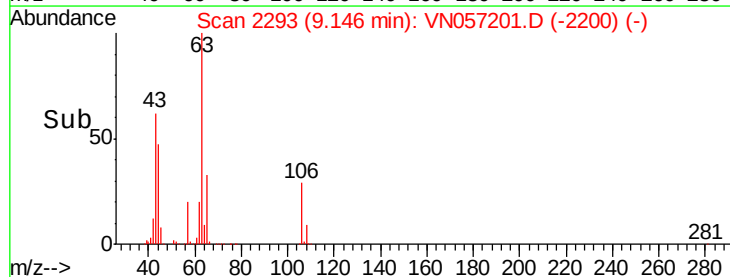
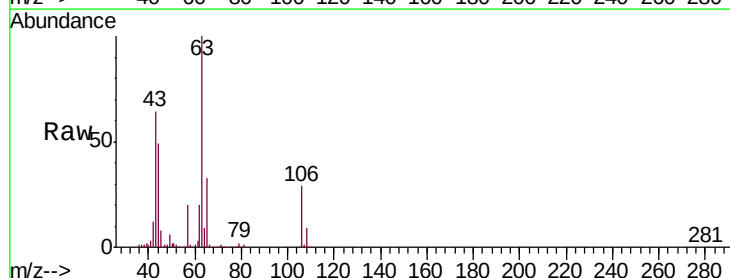
Manual Integrations
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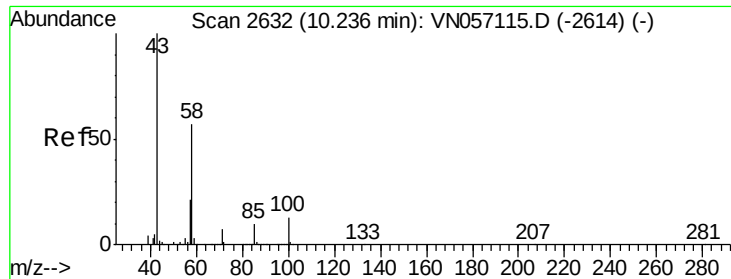
MMDadoda
 8/12/2019 3:41:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.698 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

Tgt Ion: 63 Resp: 543057
 Ion Ratio Lower Upper
 63 100
 106 29.3 22.6 33.8





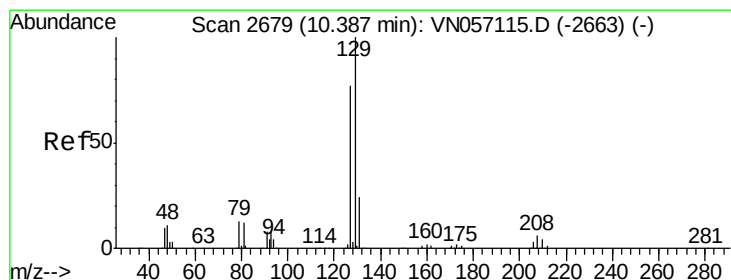
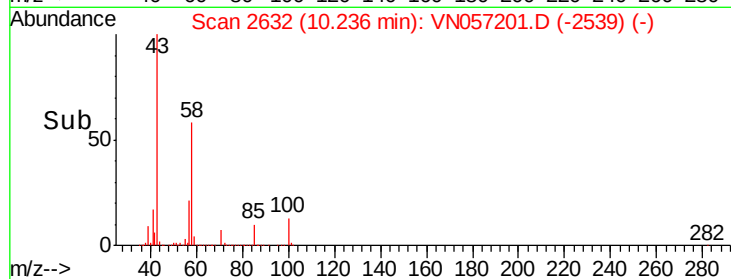
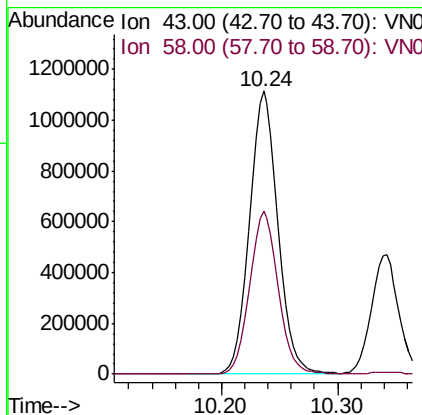
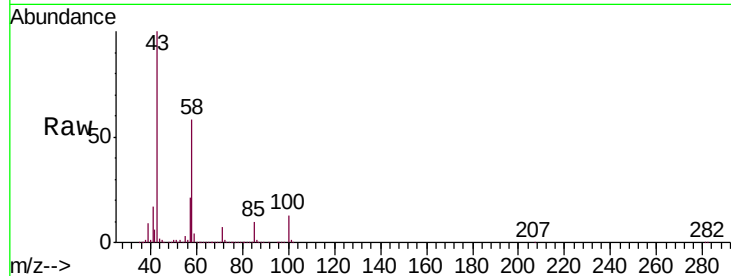
#59
2-Hexanone
Concen: 266.558 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1902831
Ion Ratio Lower Upper
43 100
58 57.9 29.2 87.6

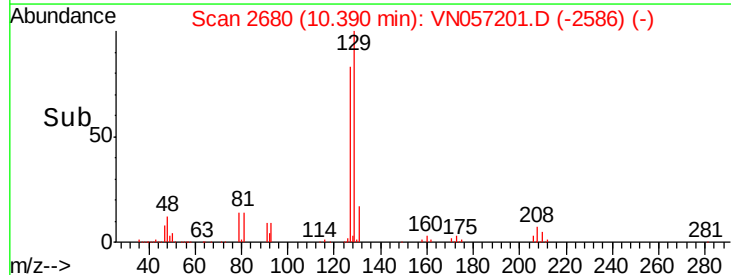
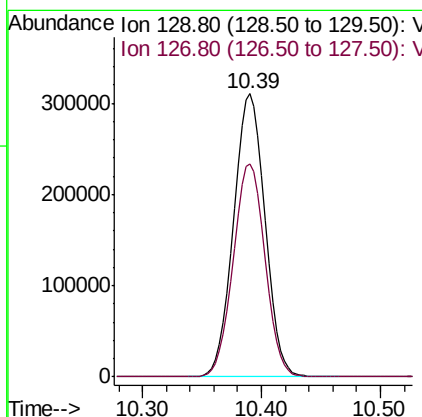
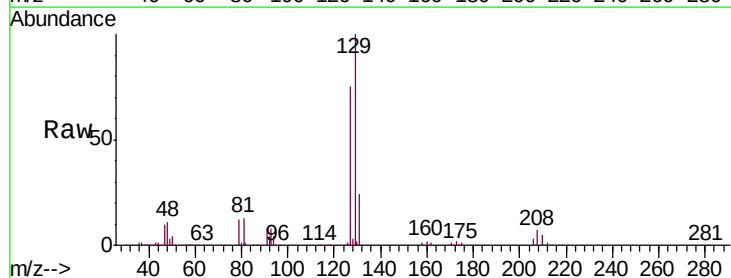
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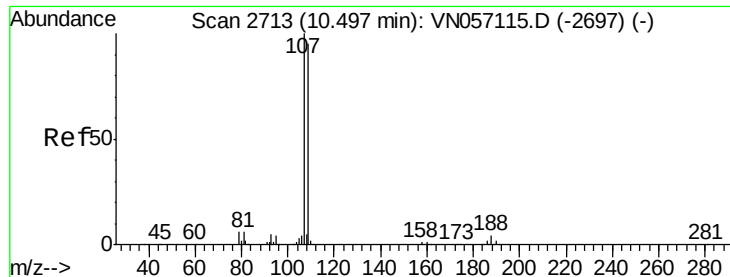
MMDadoda
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#60
Dibromochloromethane
Concen: 54.392 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Tgt Ion: 129 Resp: 568673
Ion Ratio Lower Upper
129 100
127 76.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.940 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. -0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 523292

Ion Ratio Lower Upper

107 100

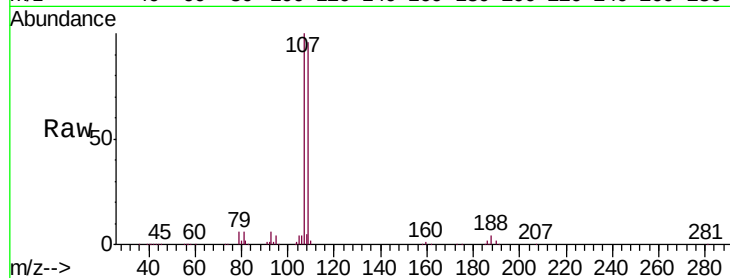
109 94.3 75.6 113.4

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.50

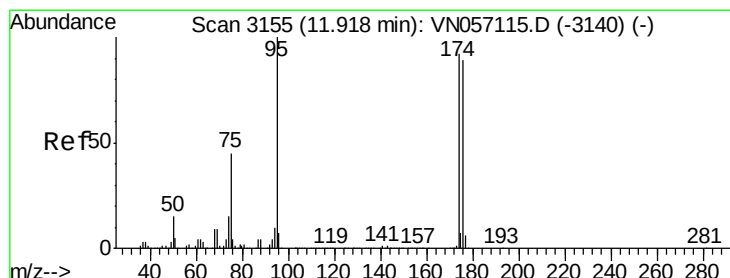
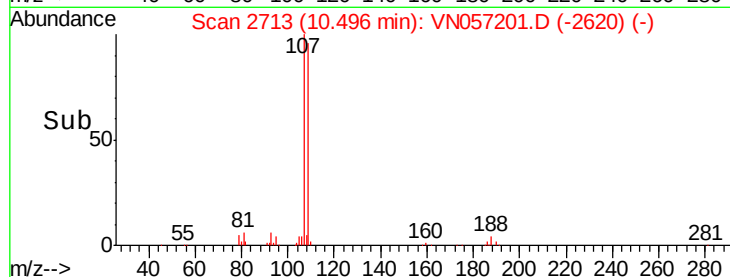
300000

200000

100000

0

Time--> 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 54.179 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

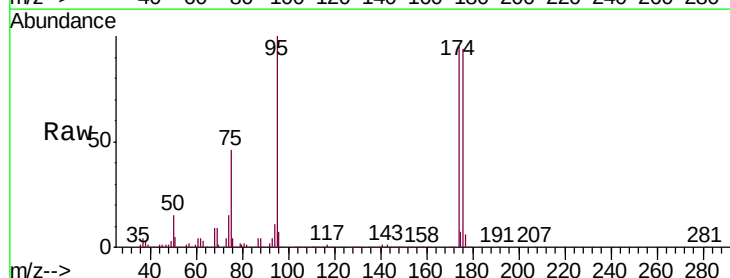
Tgt Ion: 95 Resp: 655765

Ion Ratio Lower Upper

95 100

174 94.1 0.0 185.0

176 91.9 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.92

500000

400000

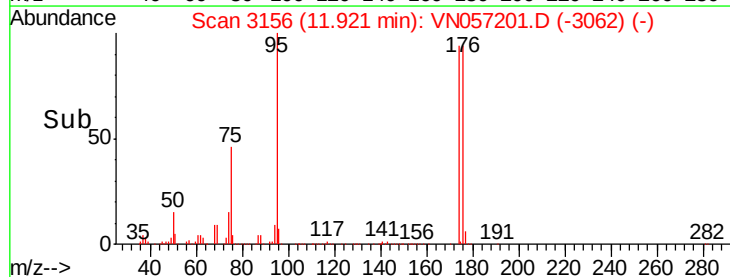
300000

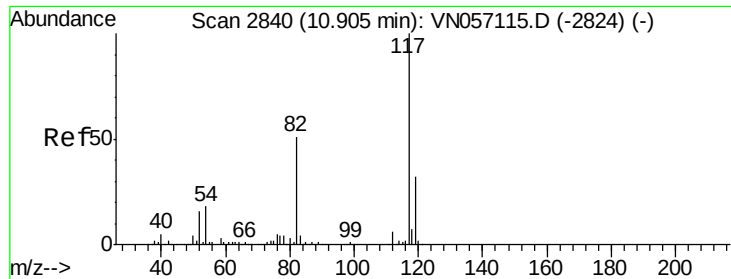
200000

100000

0

Time--> 11.85 11.90 11.95 12.00





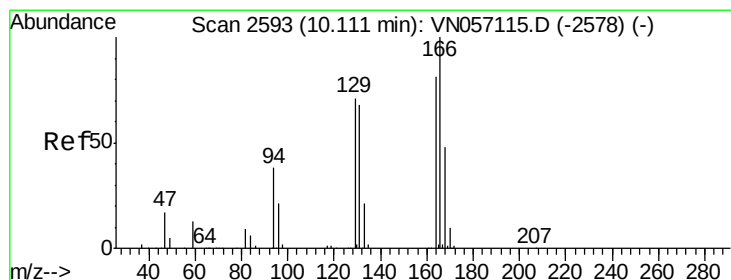
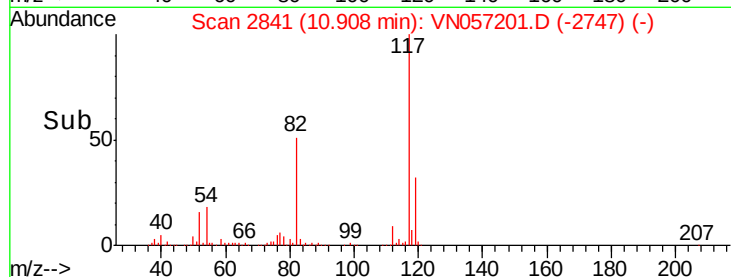
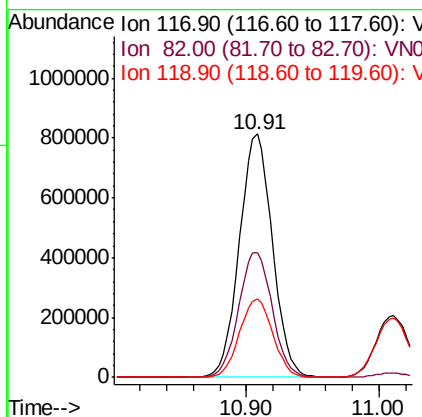
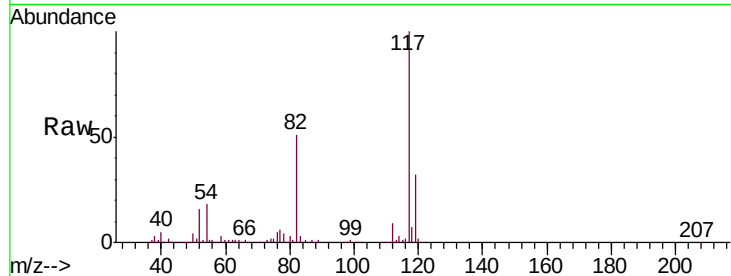
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 1407592
Ion Ratio Lower Upper
117 100
82 51.2 40.8 61.2
119 32.2 25.7 38.5

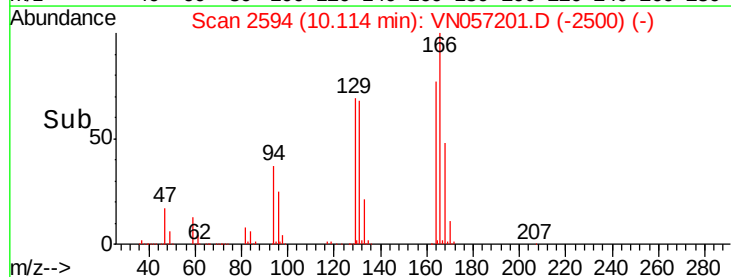
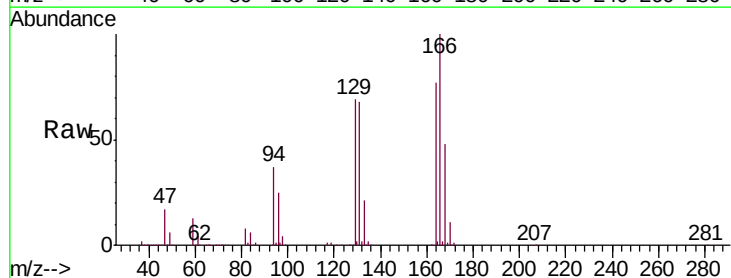
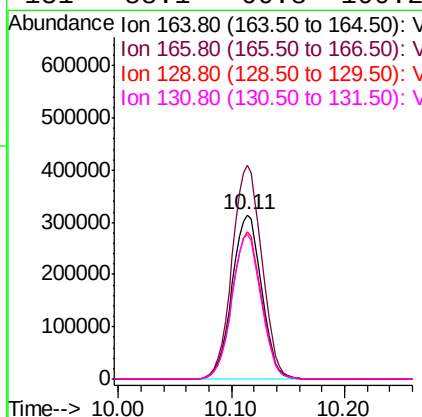
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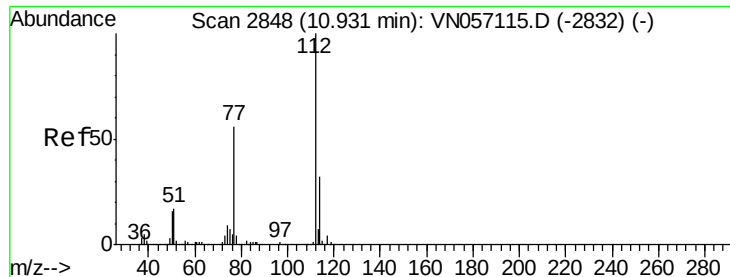
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#64
Tetrachloroethene
Concen: 48.873 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Tgt Ion:164 Resp: 572114
Ion Ratio Lower Upper
164 100
166 130.0 98.3 147.5
129 89.8 69.8 104.6
131 88.1 66.8 100.2





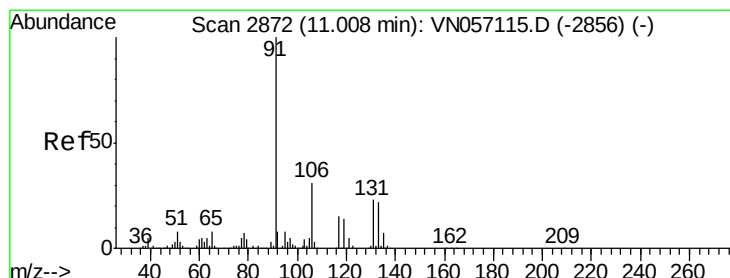
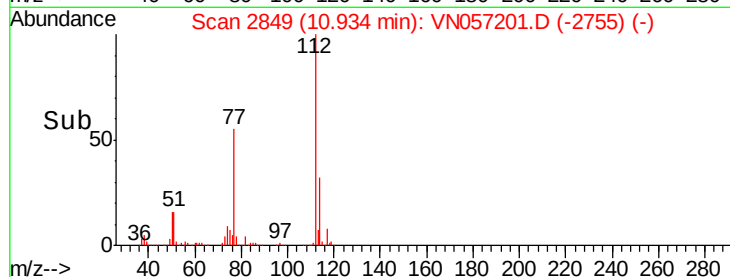
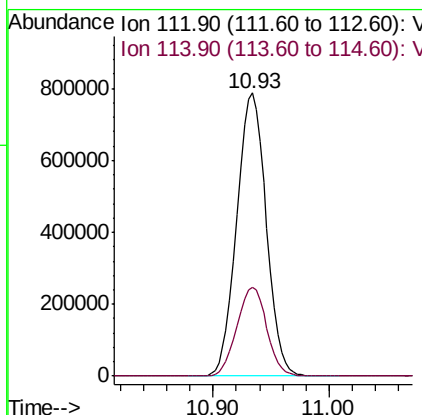
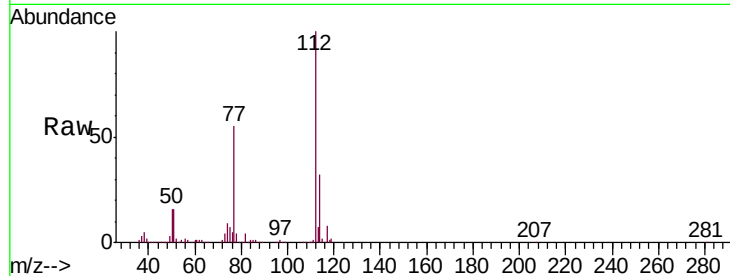
#65
Chlorobenzene
Concen: 48.886 ug/l
RT: 10.93 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 1384533
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.2

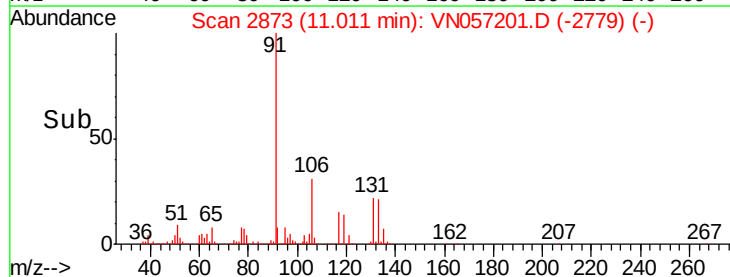
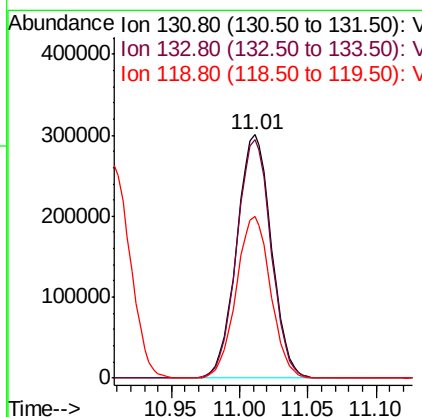
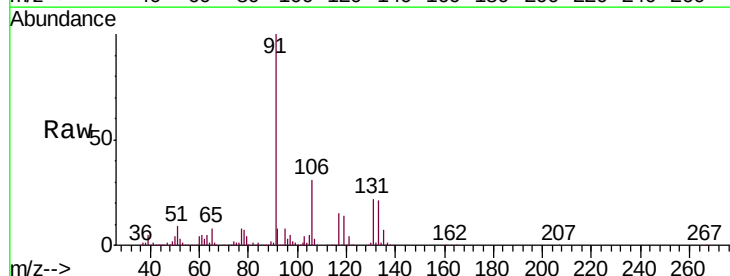
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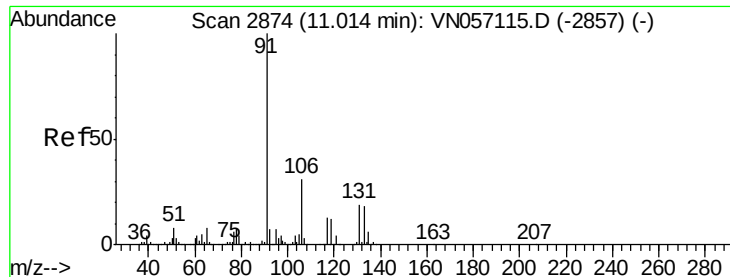
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.109 ug/l
RT: 11.01 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Tgt Ion:131 Resp: 530573
Ion Ratio Lower Upper
131 100
133 97.0 47.6 142.8
119 65.8 32.6 97.7





#67

Ethyl Benzene

Concen: 49.134 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. -0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 2395003

Ion Ratio Lower Upper

91 100

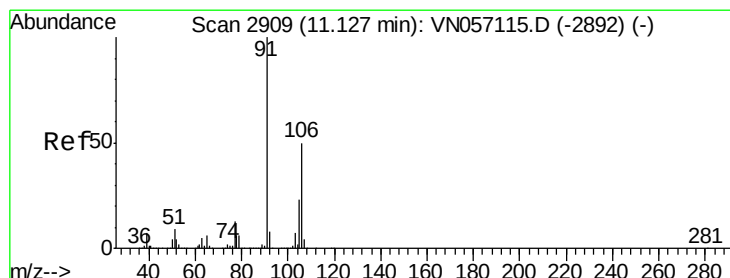
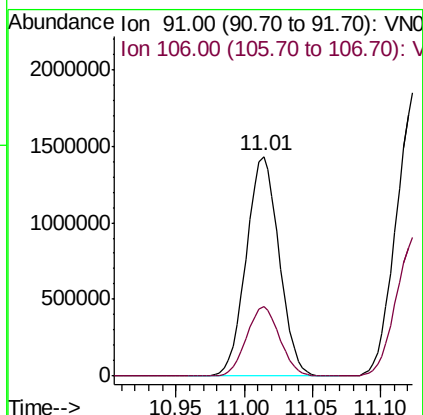
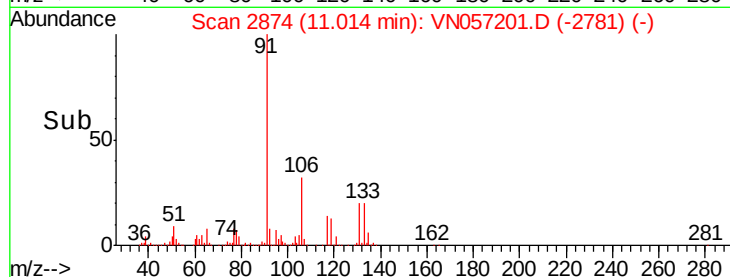
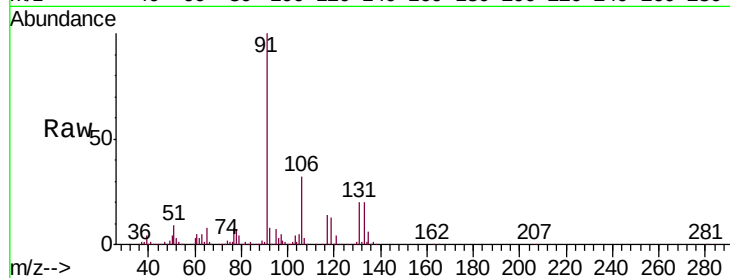
106 31.6 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 101.189 ug/l

RT: 11.13 min Scan# 2909

Delta R.T. -0.00 min

Lab File: VN057201.D

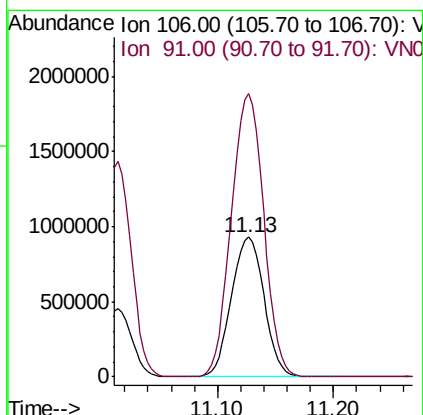
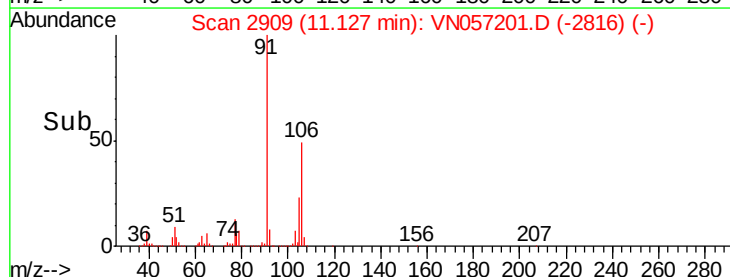
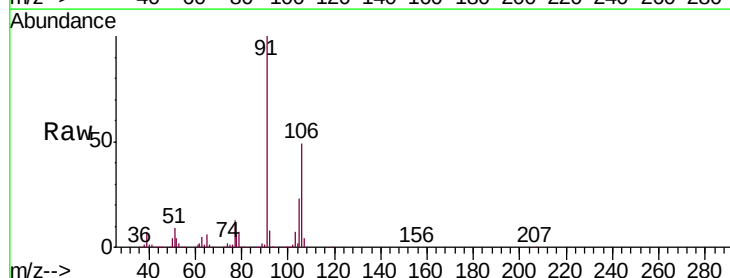
Acq: 11 Aug 2019 20:43

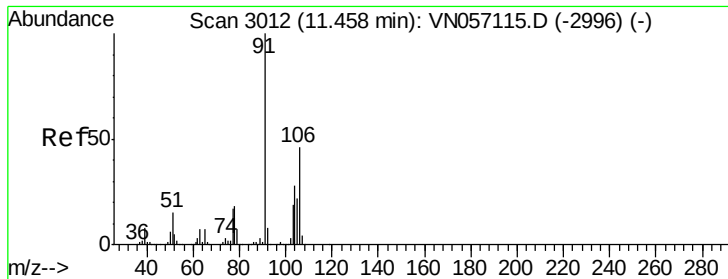
Tgt Ion: 106 Resp: 1817128

Ion Ratio Lower Upper

106 100

91 201.1 159.8 239.8





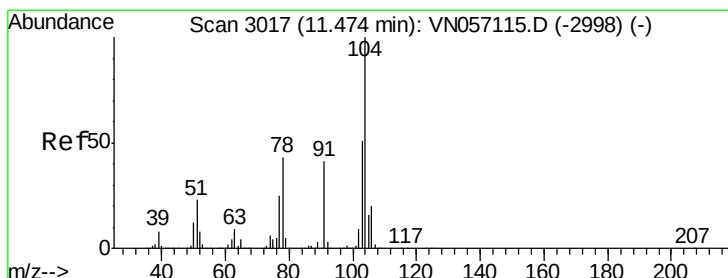
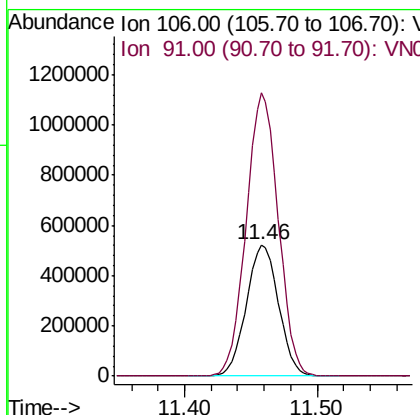
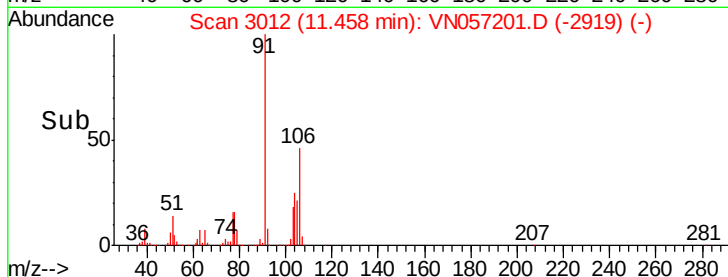
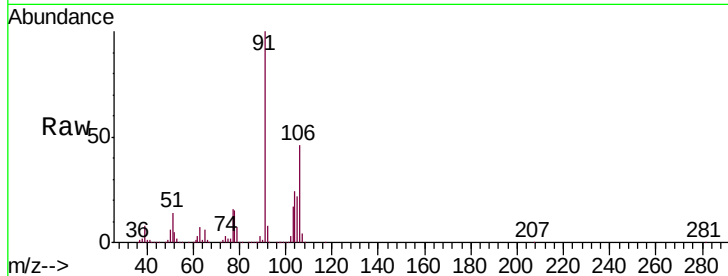
#69
o-Xylene
Concen: 49.289 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 880899
Ion Ratio Lower Upper
106 100
91 214.7 106.8 320.5

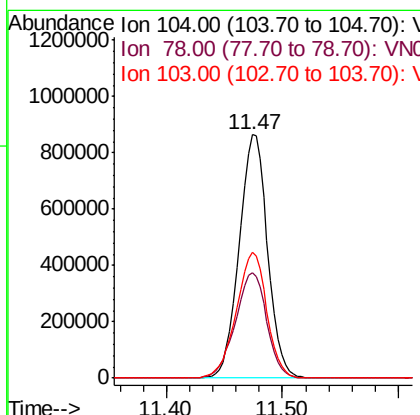
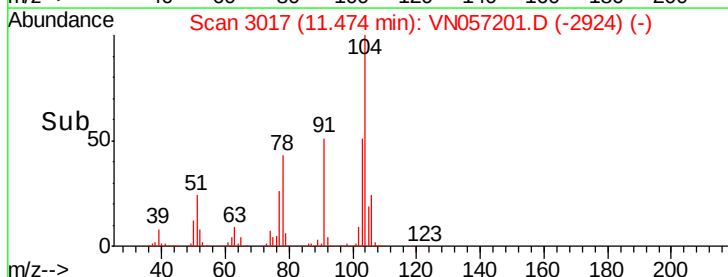
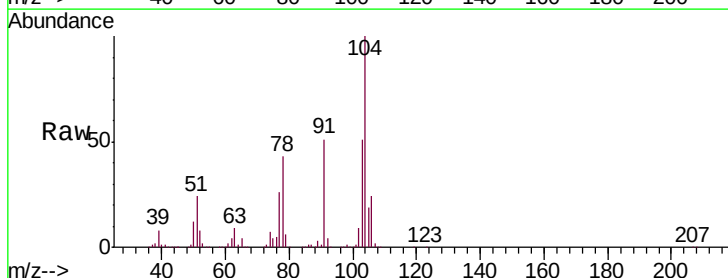
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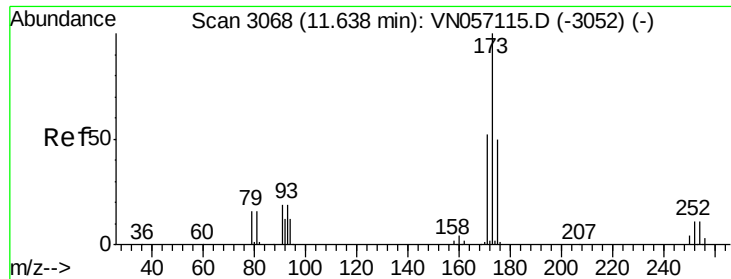
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#70
Styrene
Concen: 52.509 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Tgt Ion:104 Resp: 1465826
Ion Ratio Lower Upper
104 100
78 48.2 38.5 57.7
103 55.7 44.6 66.8





#71

Bromoform

Concen: 55.017 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 426725

Ion Ratio Lower Upper

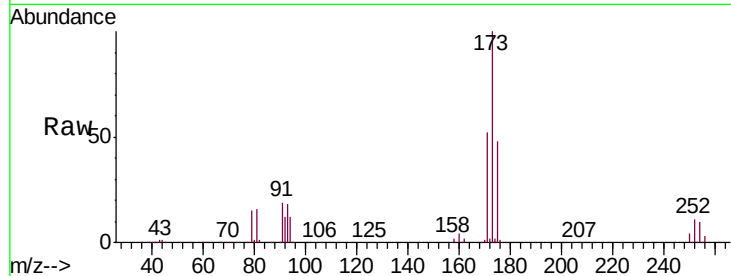
173 100

175 48.9 24.6 73.8

254 0.2 0.1 0.1#

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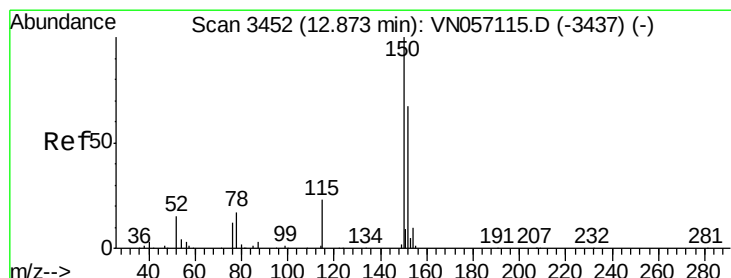
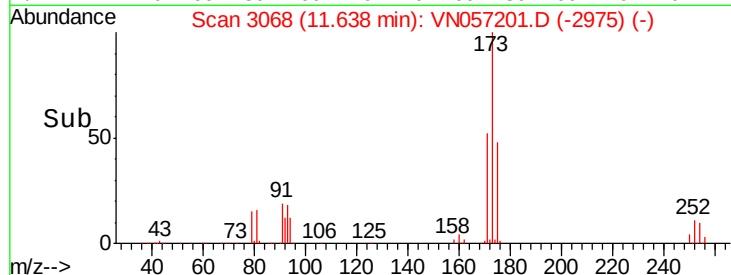
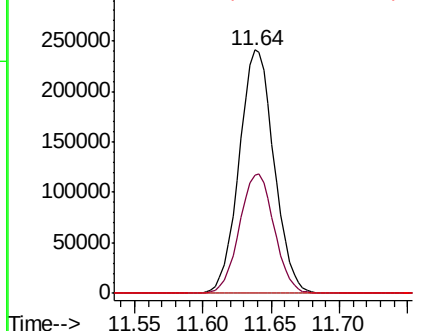
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.88 min Scan# 3453

Delta R.T. 0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

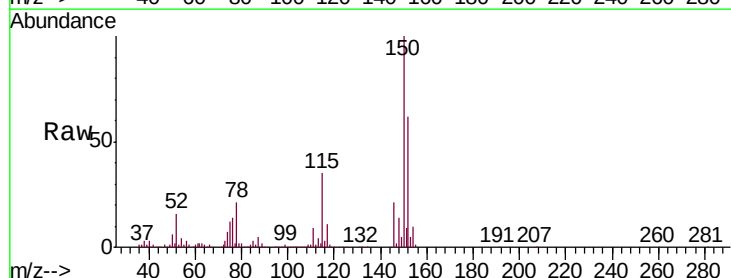
Tgt Ion:152 Resp: 588418

Ion Ratio Lower Upper

152 100

115 55.3 27.5 82.5

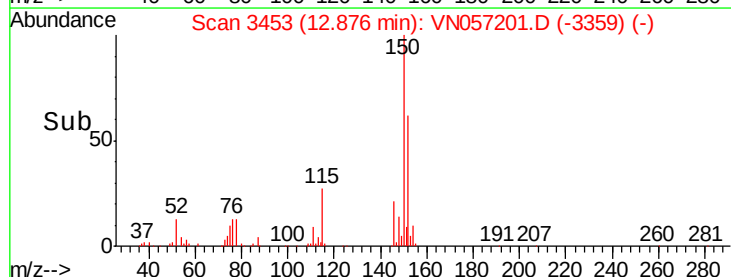
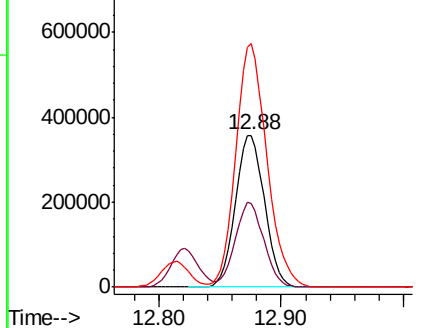
150 171.4 0.0 341.6

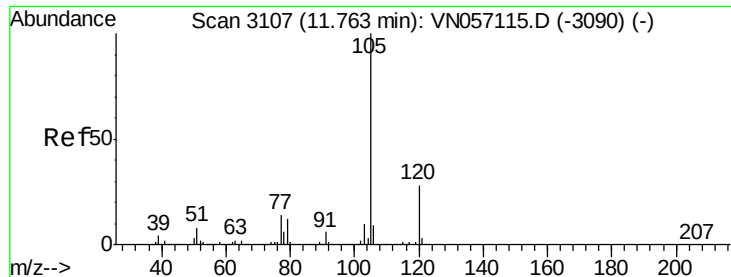


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.673 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 2381432

Ion Ratio Lower Upper

105 100

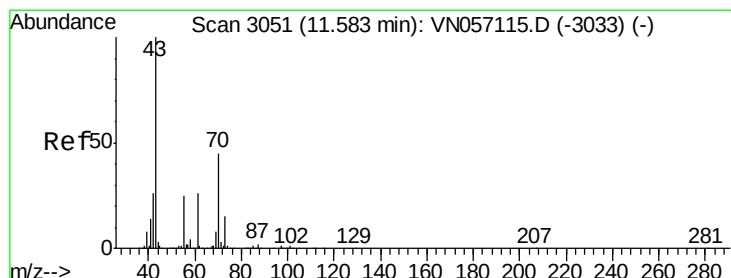
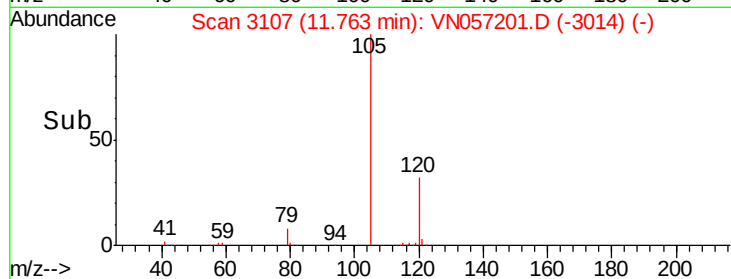
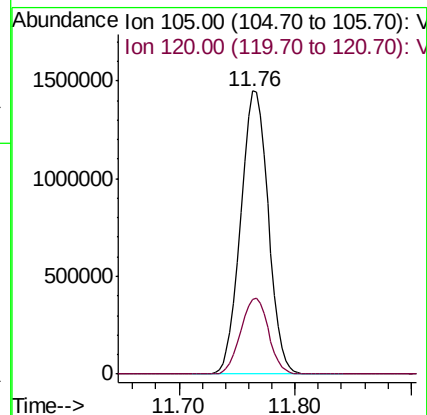
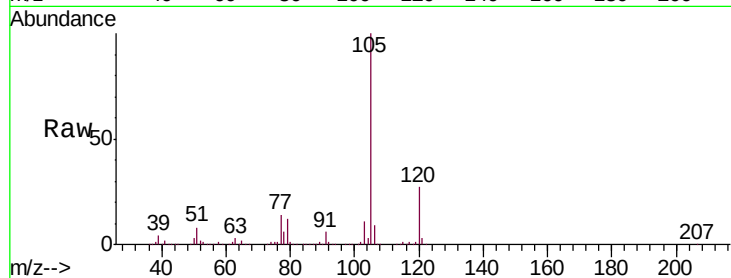
120 27.0 13.7 41.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 47.705 ug/l

RT: 11.59 min Scan# 3052

Delta R.T. 0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Tgt Ion: 43 Resp: 711325

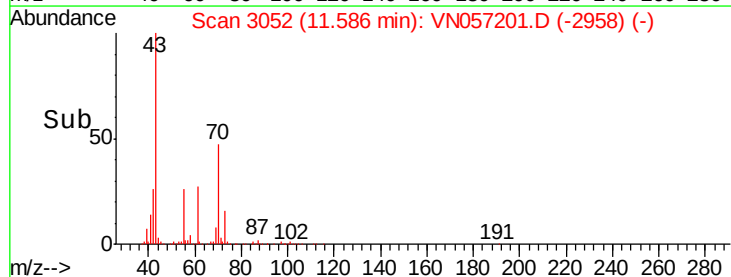
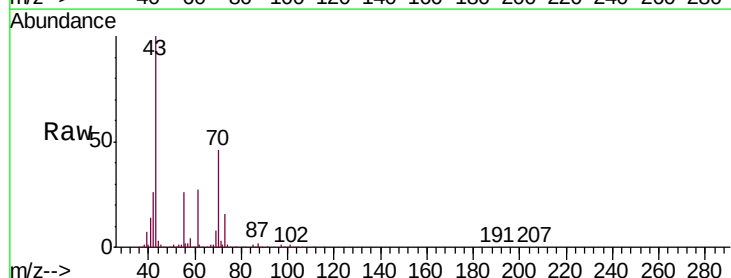
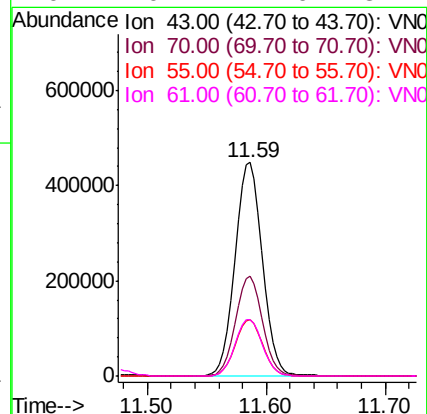
Ion Ratio Lower Upper

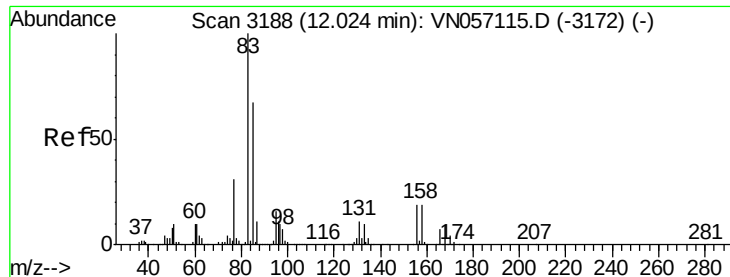
43 100

70 46.2 36.8 55.2

55 26.5 20.6 31.0

61 26.7 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.702 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. 0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 673335
Ion Ratio Lower Upper

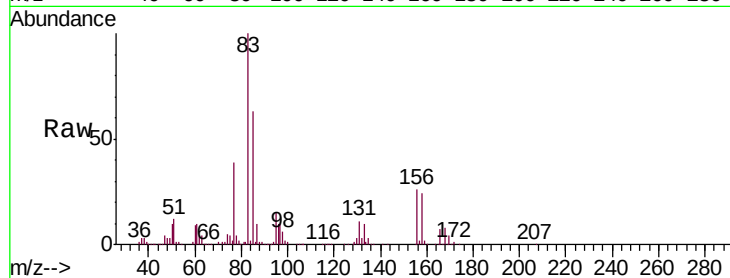
83 100

131 11.4 5.5 16.4

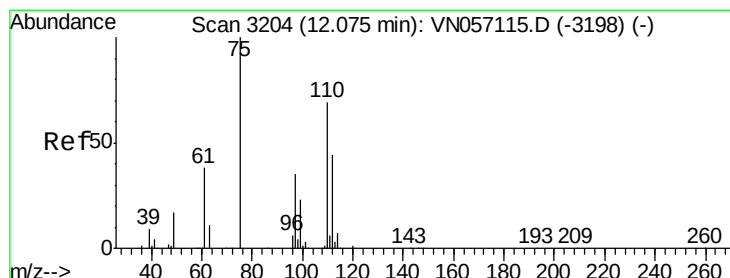
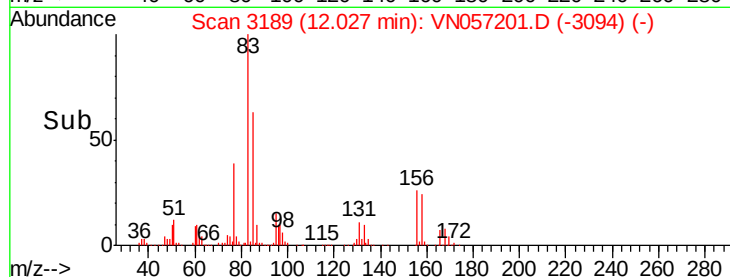
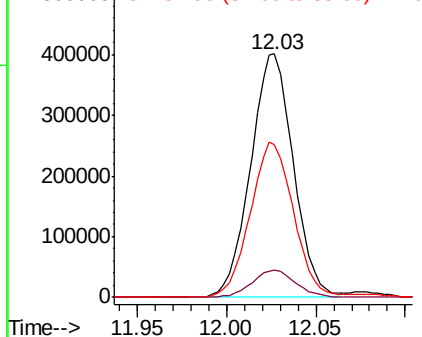
85 64.3 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 52.113 ug/l m

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

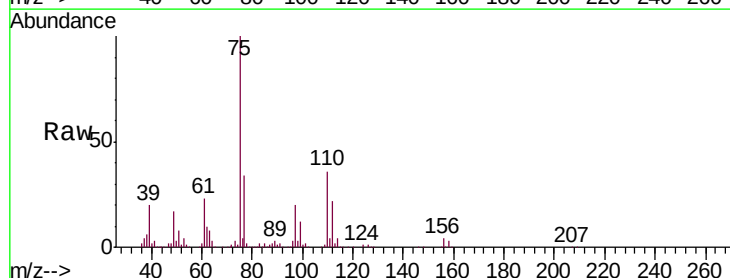
Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

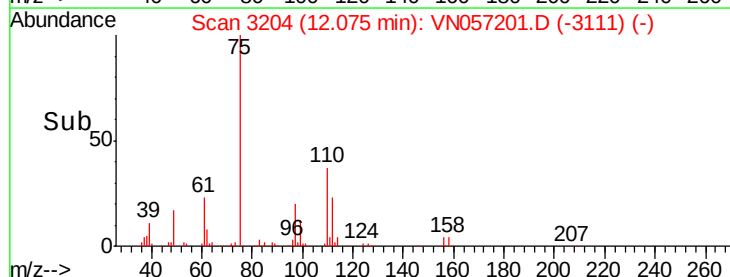
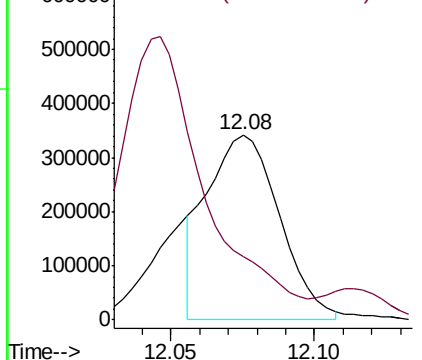
Tgt Ion: 75 Resp: 597038
Ion Ratio Lower Upper

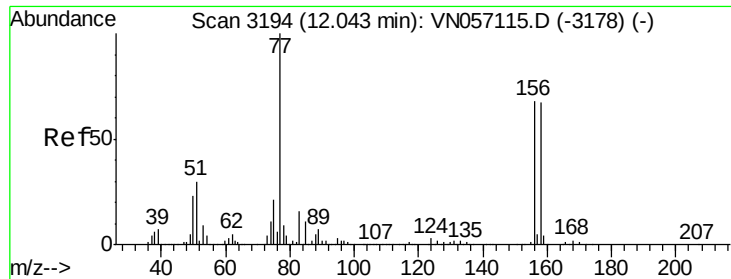
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 44.702 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Instrument :

MSVOA_N

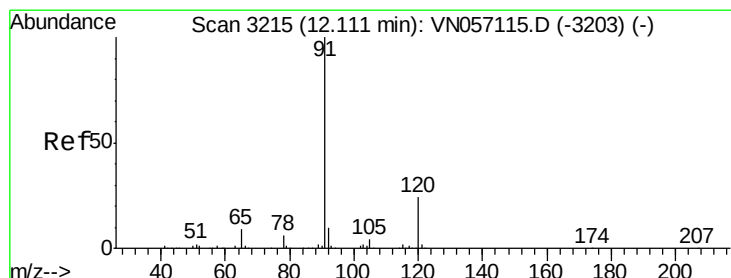
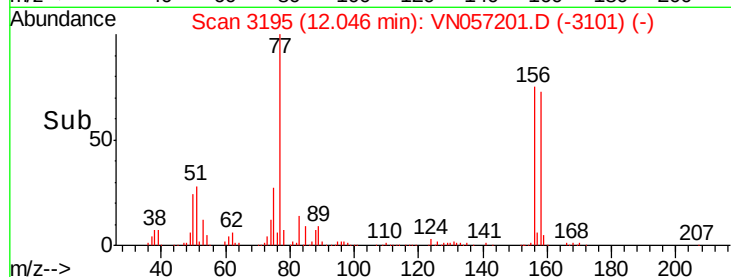
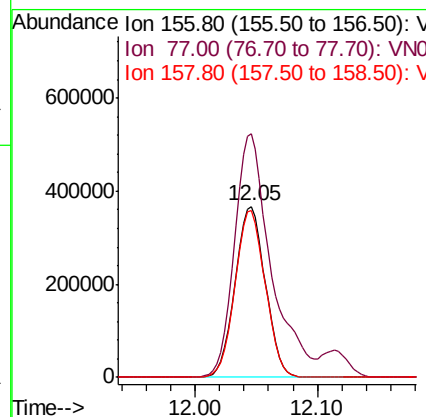
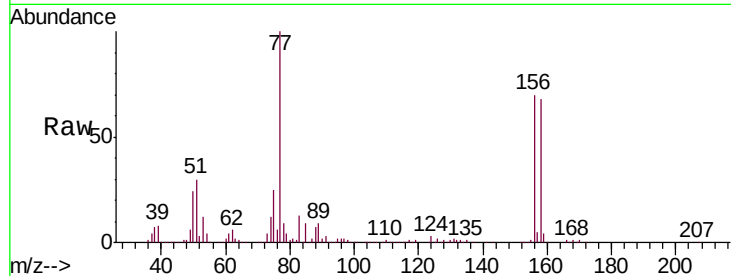
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	632236
Ion Ratio	Lower	Upper	
156	100		
77	172.6	88.7	266.1
158	97.5	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 44.183 ug/l

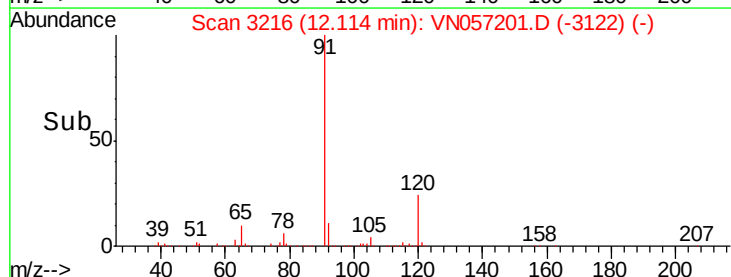
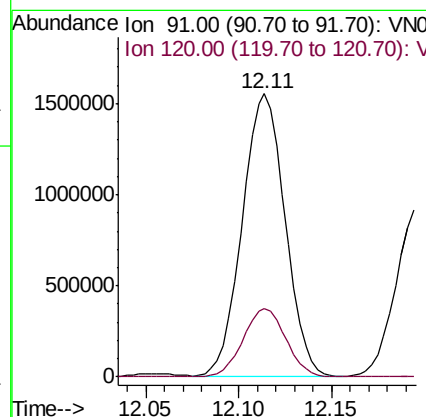
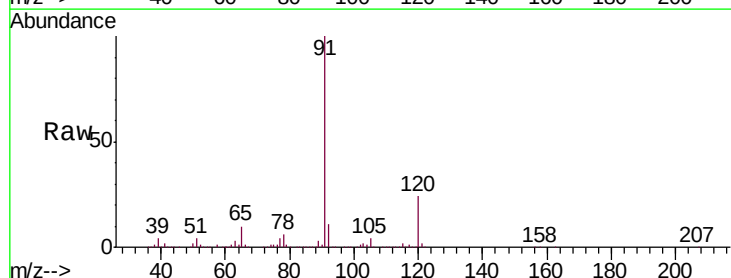
RT: 12.11 min Scan# 3216

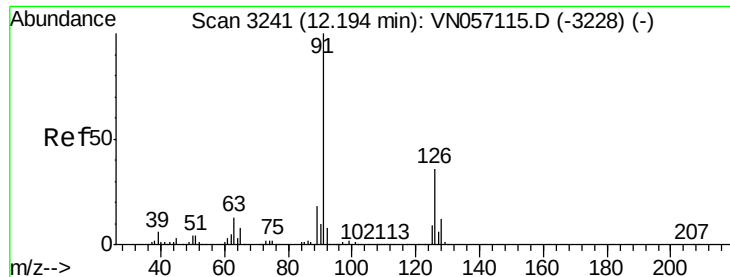
Delta R.T. 0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Tgt Ion:	91	Resp:	2494134
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.0	36.0





#79

2-Chlorotoluene

Concen: 49.088 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 1545047

Ion Ratio Lower Upper

91 100

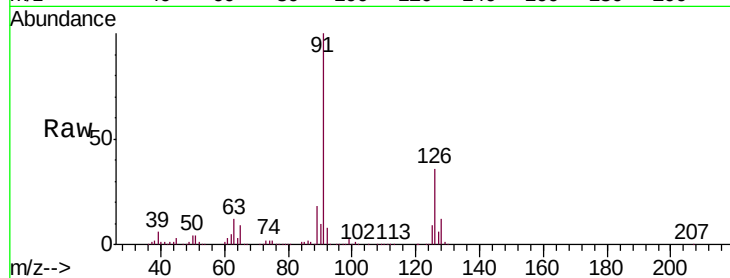
126 36.2 18.1 54.3

Manual Integrations

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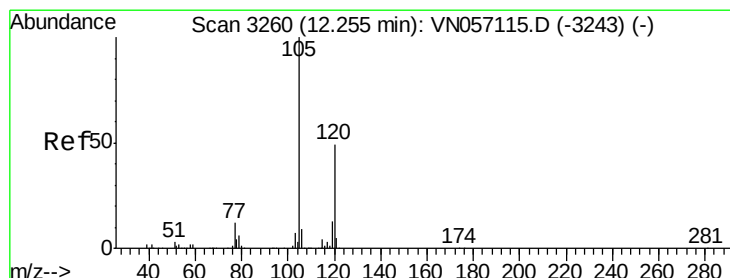
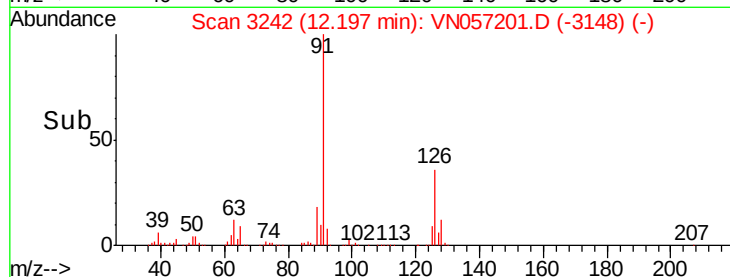
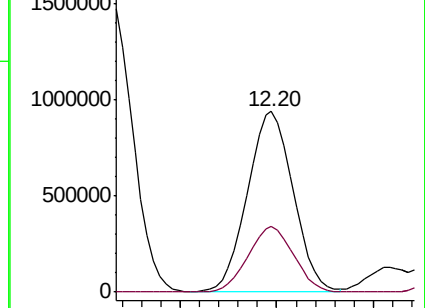
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Abundance Ion 91.00 (90.70 to 91.70): VN057115.D (-3228) (-)

Ion 125.90 (125.60 to 126.60): VN057115.D (-3228) (-)



#80

1,3,5-Trimethylbenzene

Concen: 43.951 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057201.D

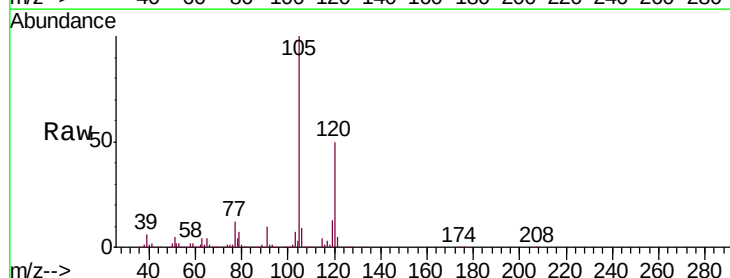
Acq: 11 Aug 2019 20:43

Tgt Ion: 105 Resp: 1996572

Ion Ratio Lower Upper

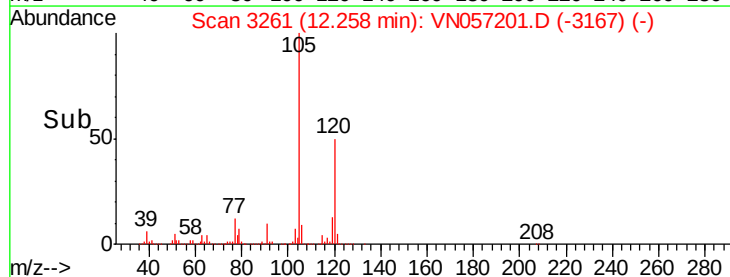
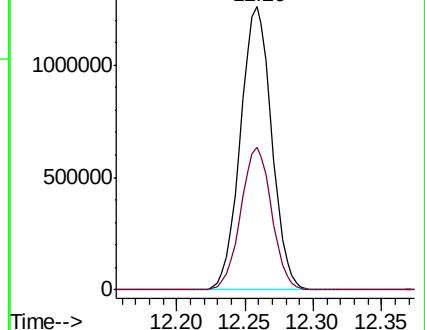
105 100

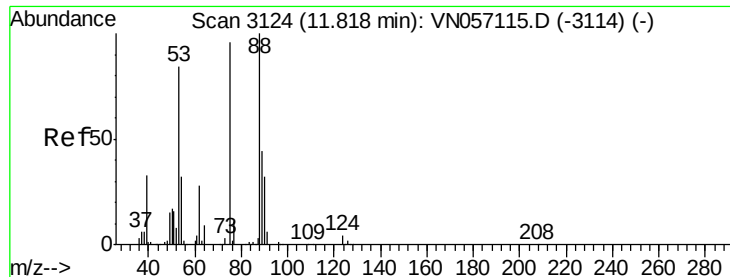
120 49.9 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN057115.D (-3243) (-)

Ion 120.00 (119.70 to 120.70): VN057115.D (-3243) (-)





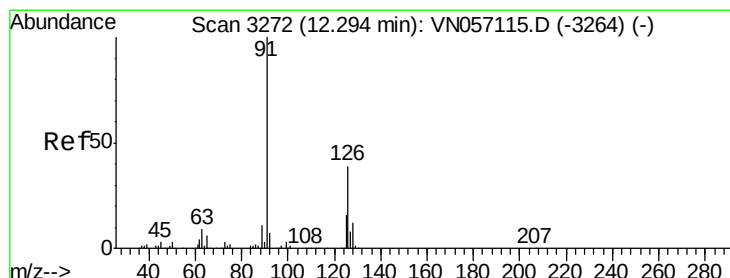
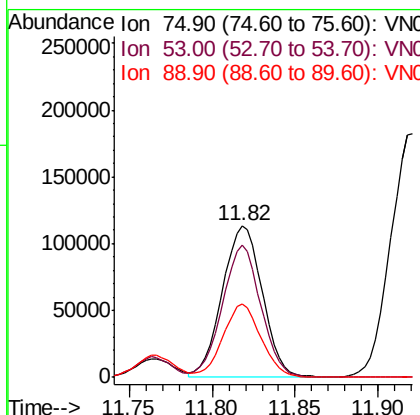
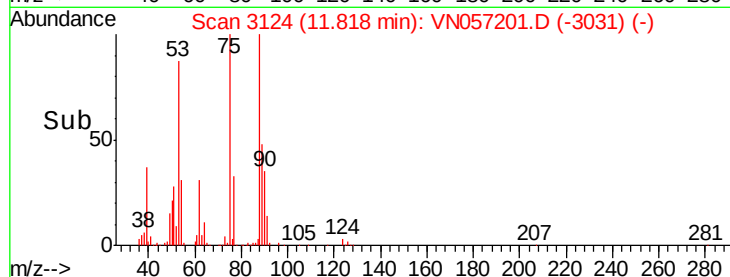
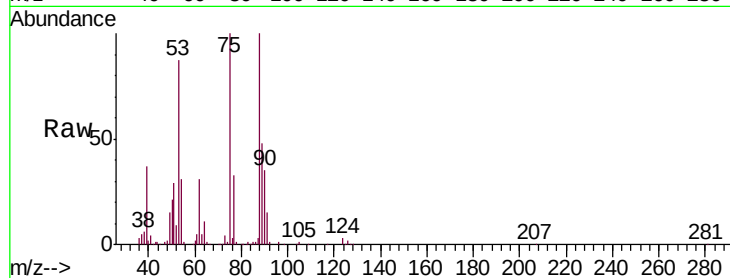
#81
trans-1,4-Dichloro-2-butene
Concen: 47.617 ug/l
RT: 11.82 min Scan# 3124
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	84.3	70.6	106.0
89	45.8	36.4	54.6

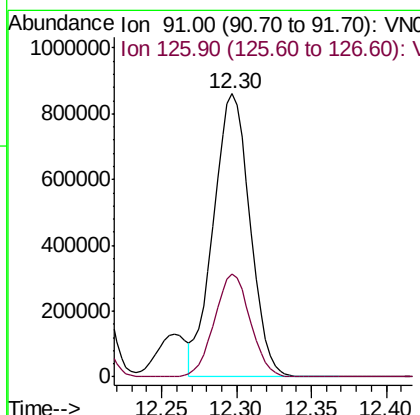
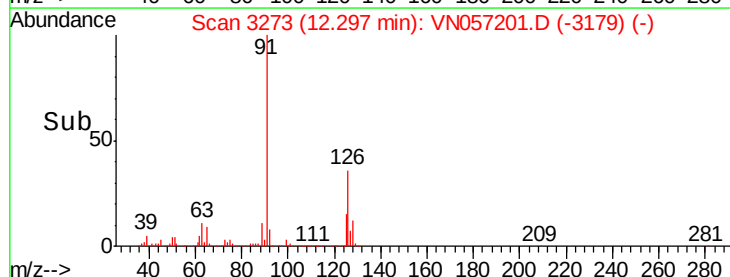
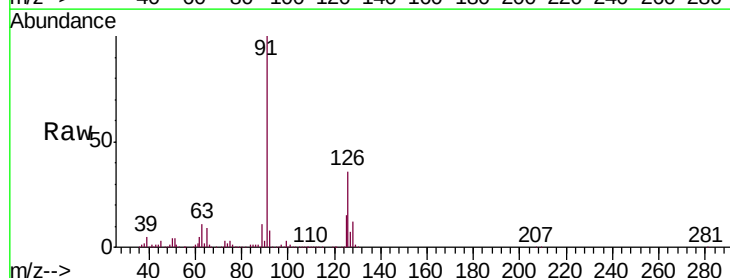
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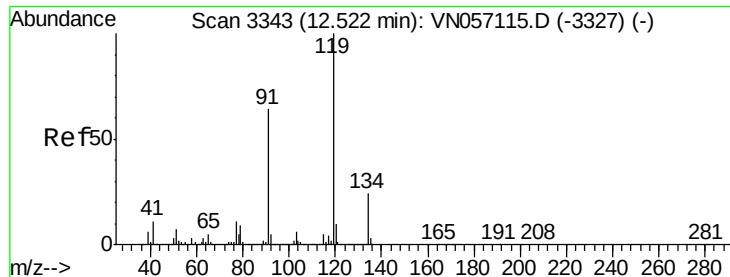
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#82
4-Chlorotoluene
Concen: 44.758 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.9	53.7





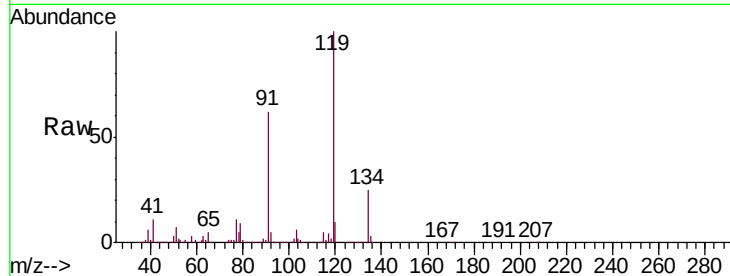
#83
 tert-Butylbenzene
 Concen: 49.599 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. 0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

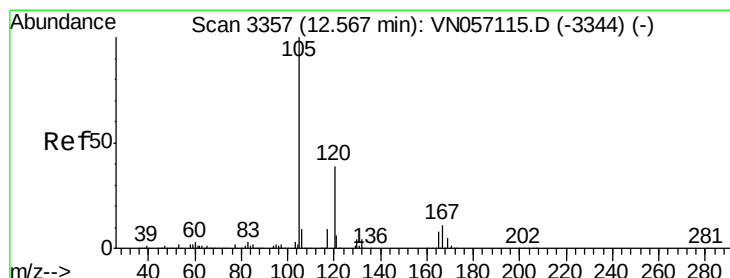
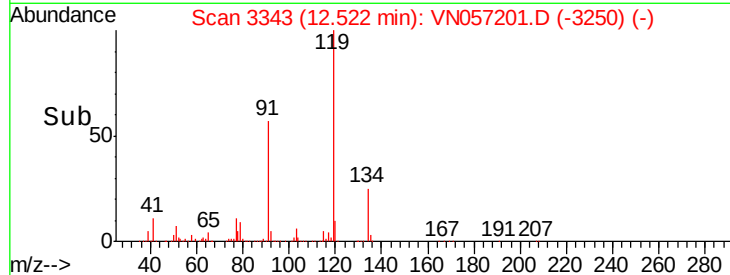
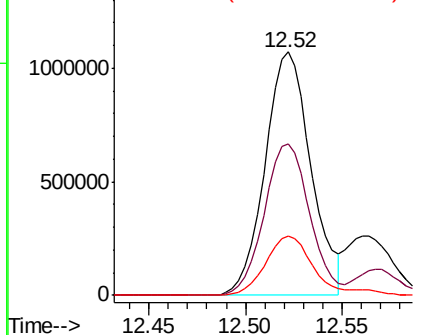
Tgt Ion:119 Resp: 1776773
 Ion Ratio Lower Upper
 119 100
 91 61.9 31.4 94.2
 134 26.1 13.2 39.6

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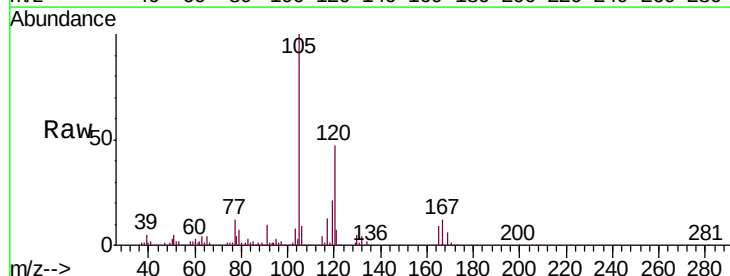


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

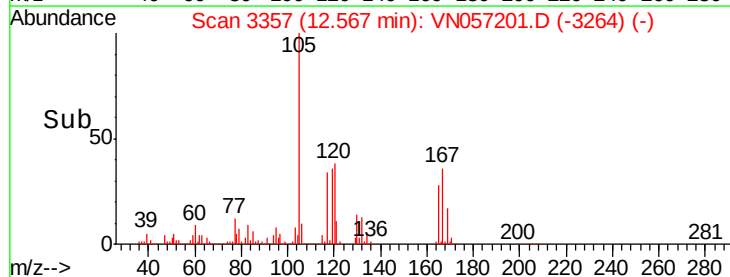
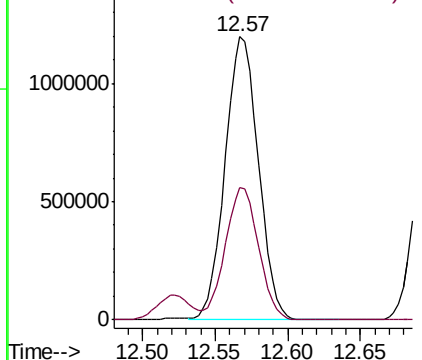


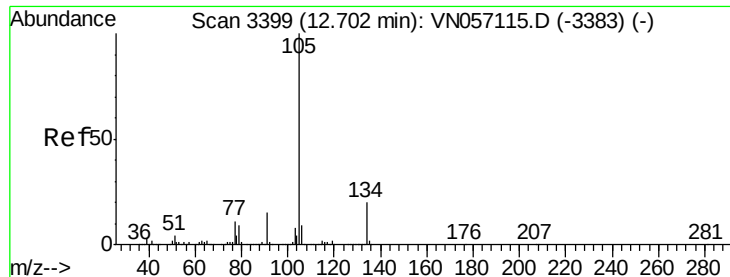
#84
 1,2,4-Trimethylbenzene
 Concen: 43.388 ug/l
 RT: 12.57 min Scan# 3357
 Delta R.T. -0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

Tgt Ion:105 Resp: 1905135
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.3 69.8



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





#85

sec-Butylbenzene

Concen: 43.041 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 2206553

Ion Ratio Lower Upper

105 100

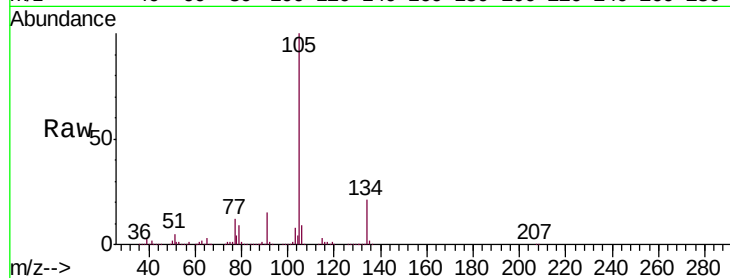
134 21.2 10.2 30.4

Manual Integrations

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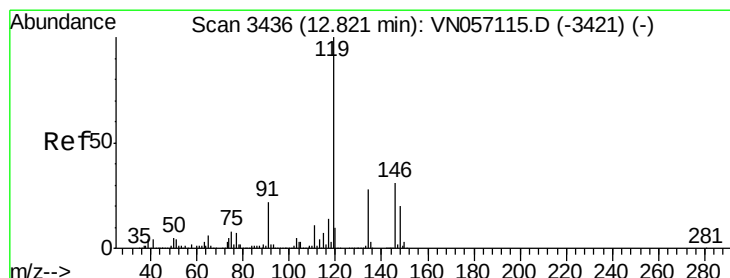
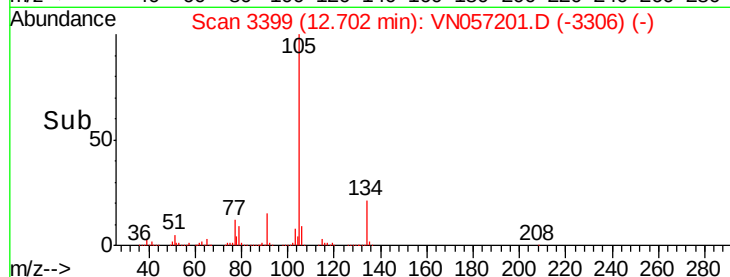
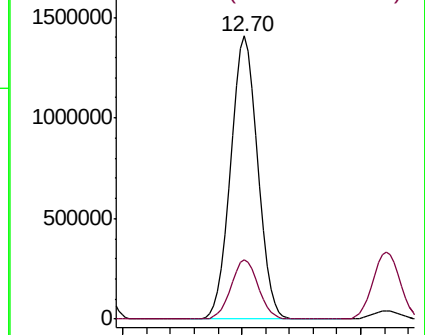
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 43.878 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

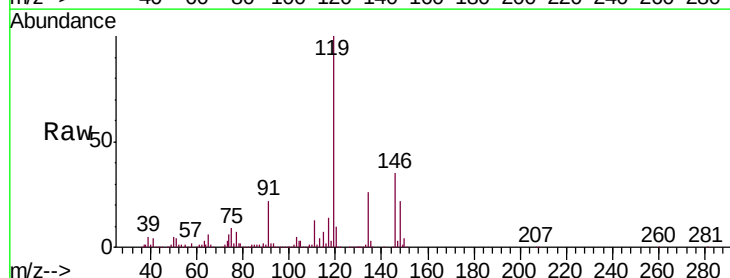
Tgt Ion:119 Resp: 1973814

Ion Ratio Lower Upper

119 100

134 26.8 13.8 41.3

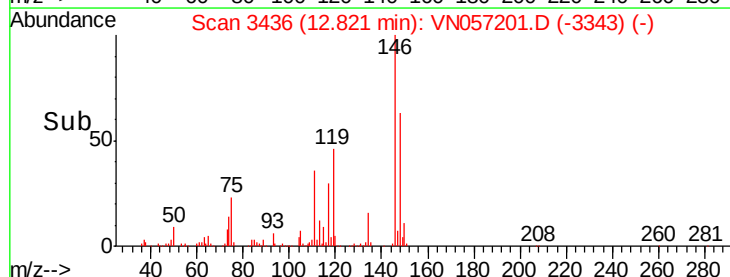
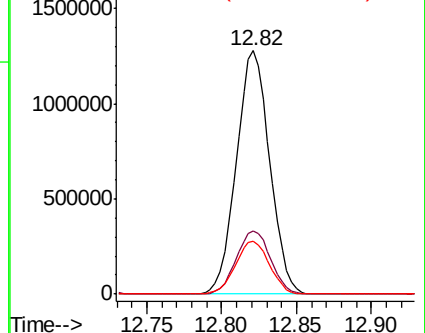
91 22.2 11.0 33.0

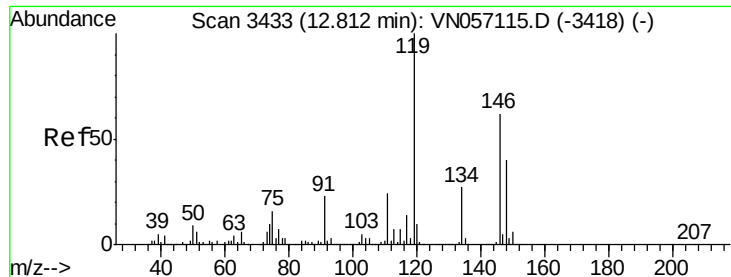


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.586 ug/l

RT: 12.81 min Scan# 3433

Delta R.T. -0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Instrument :

MSVOA_N

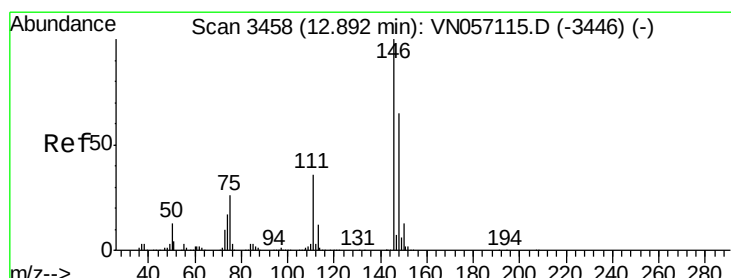
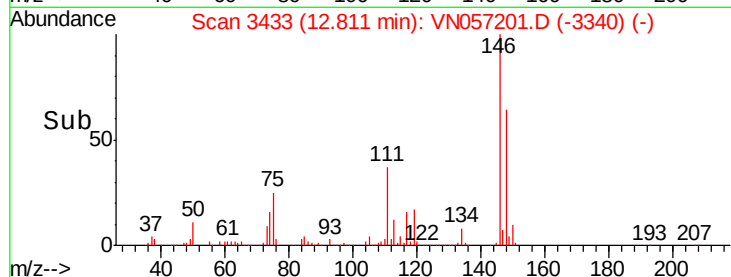
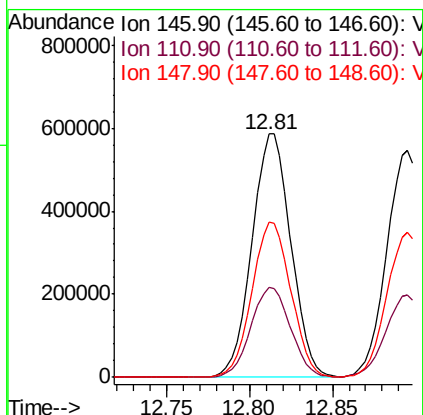
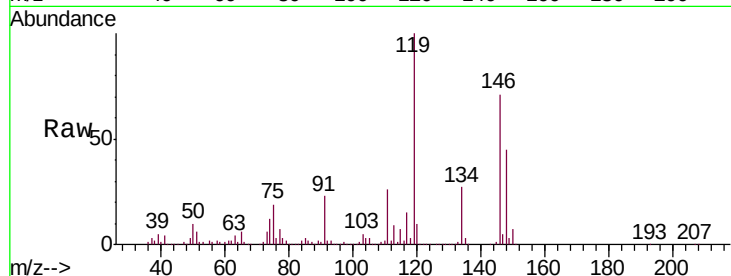
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	958148
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.8	56.4
148	63.8	32.4	97.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.352 ug/l

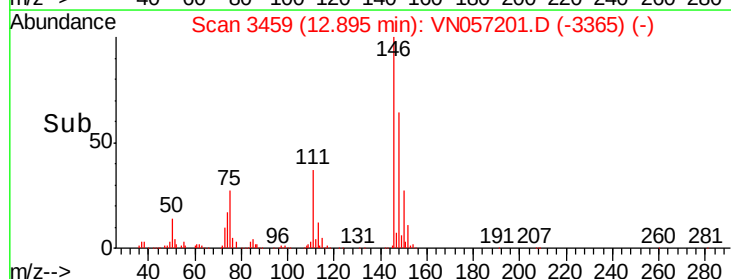
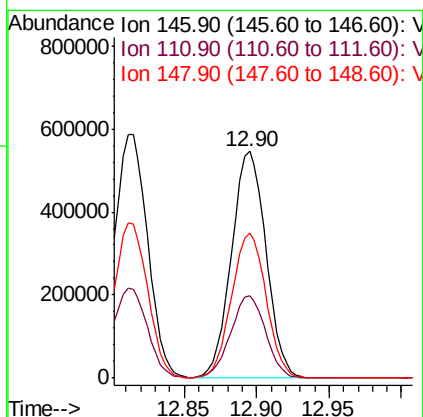
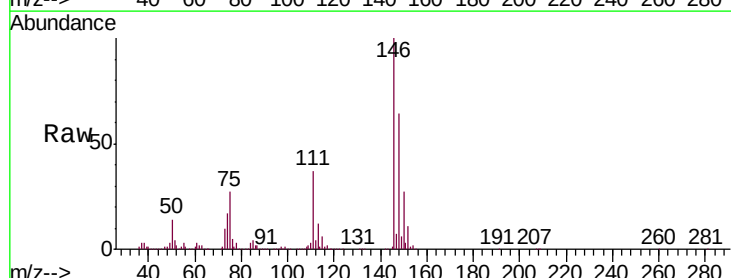
RT: 12.90 min Scan# 3459

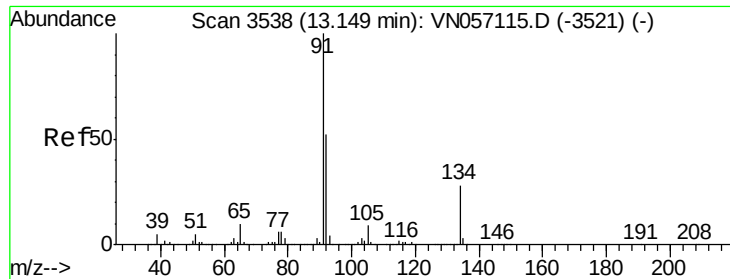
Delta R.T. 0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Tgt Ion:	146	Resp:	903371
Ion Ratio	Lower	Upper	
146	100		
111	36.8	18.2	54.6
148	64.3	32.0	96.2





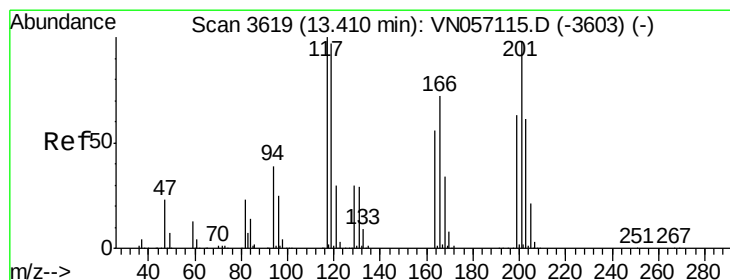
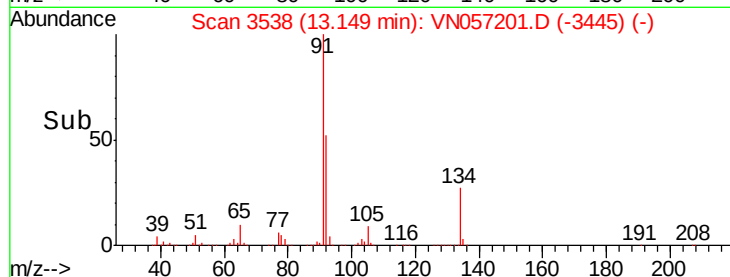
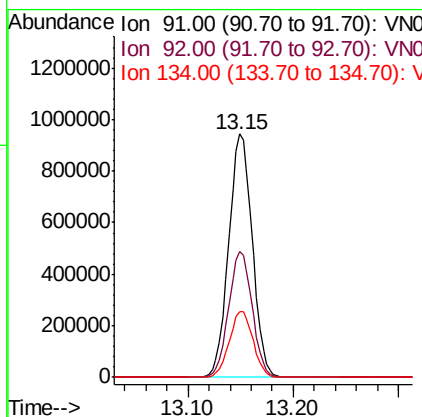
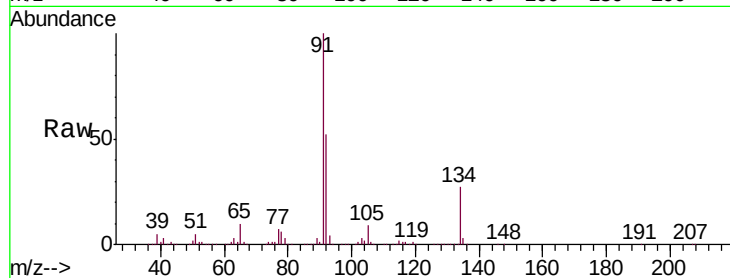
#89
n-Butylbenzene
Concen: 46.777 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. -0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1453771
Ion Ratio Lower Upper
91 100
92 51.6 26.5 79.4
134 27.4 14.1 42.3

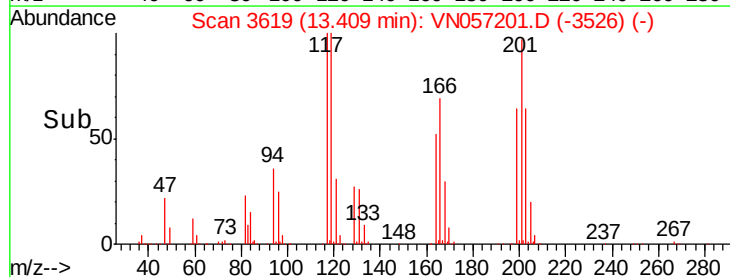
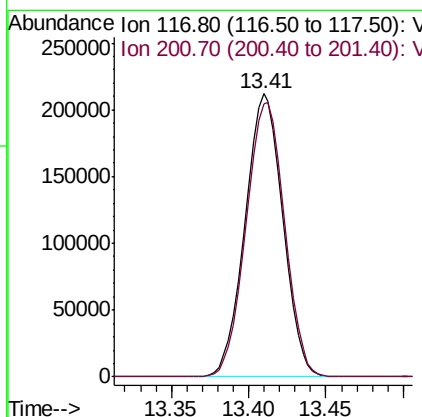
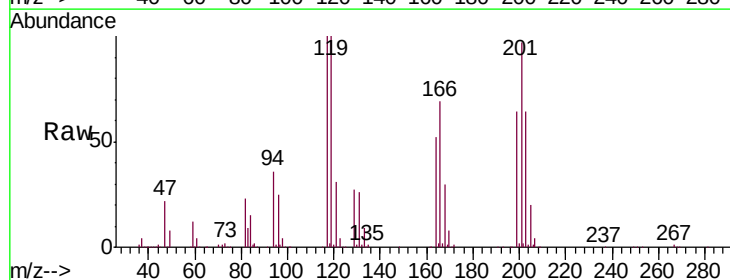
Manual Integrations
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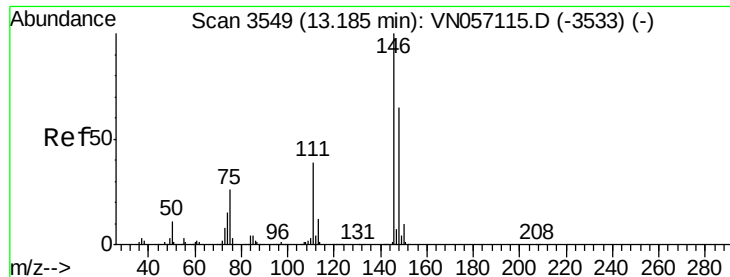
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#90
Hexachloroethane
Concen: 50.498 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VN057201.D
Acq: 11 Aug 2019 20:43

Tgt Ion: 117 Resp: 361031
Ion Ratio Lower Upper
117 100
201 98.9 49.3 147.8





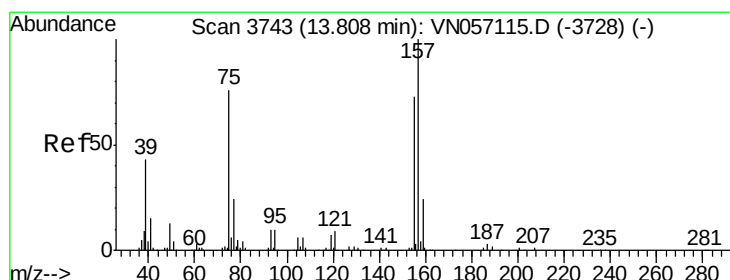
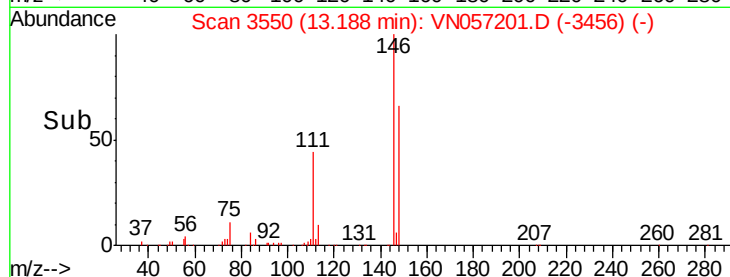
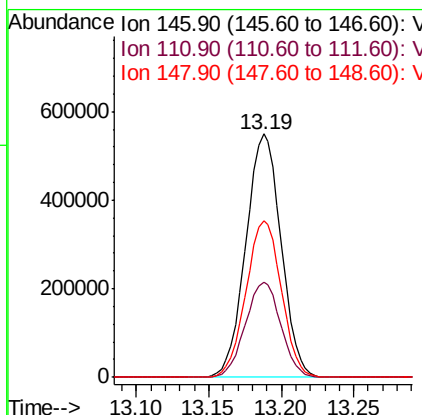
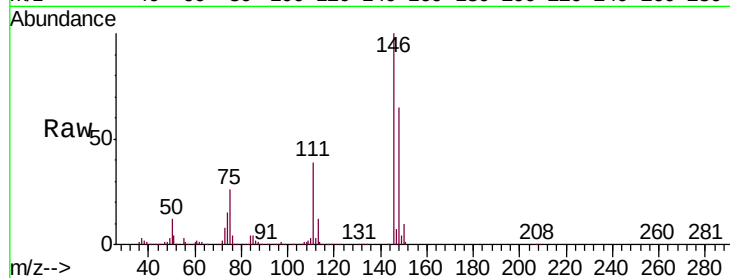
#91
 1,2-Dichlorobenzene
 Concen: 46.280 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.3	19.2	57.6	
148	64.6	32.4	97.0	

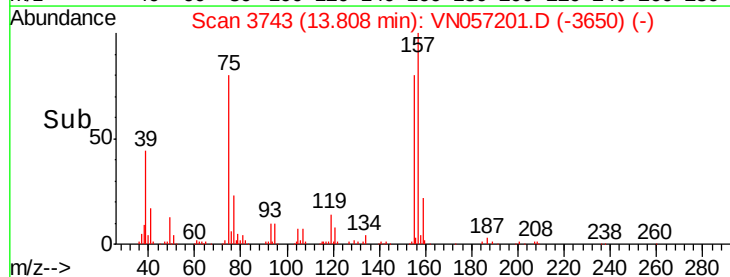
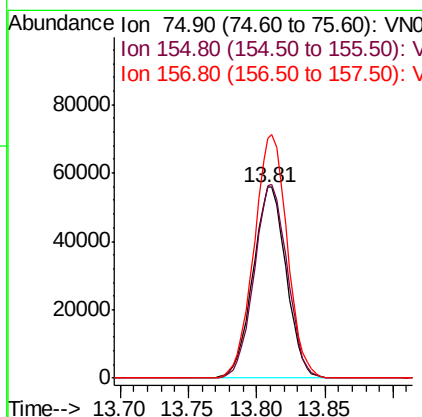
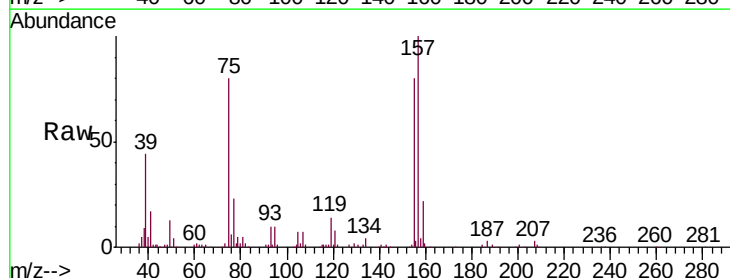
Manual Integrations
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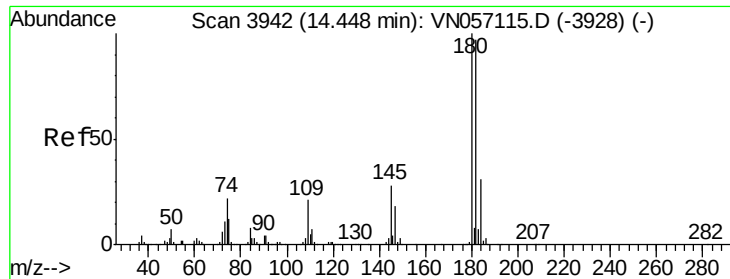
MMDadoda
 8/12/2019 3:41:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.870 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. -0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	100.4	49.3	147.9	
157	126.8	65.3	195.8	





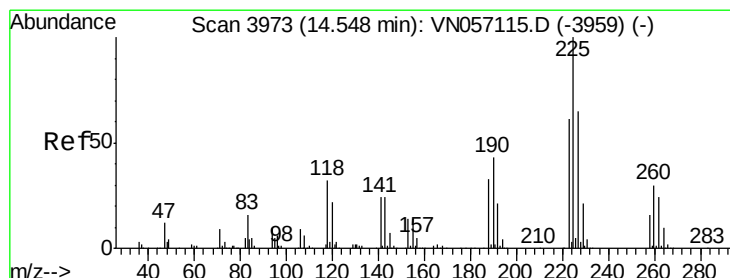
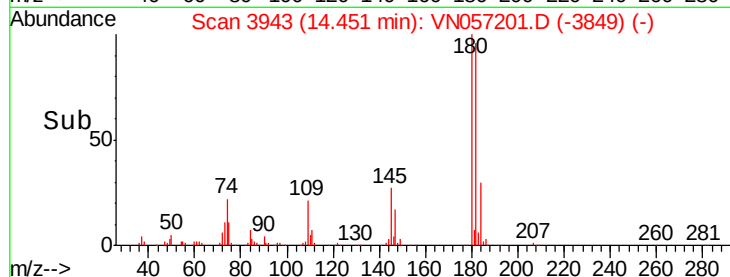
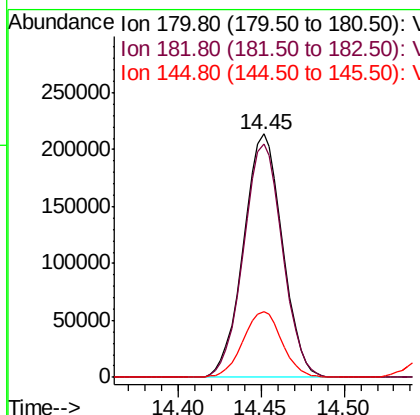
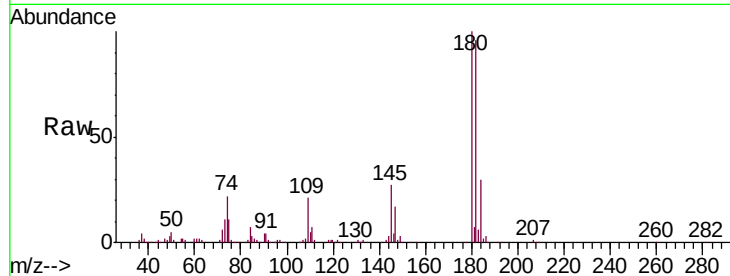
#93
 1,2,4-Trichlorobenzene
 Concen: 41.914 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	348150		
182	96.3	47.5	142.6	
145	27.3	14.1	42.2	

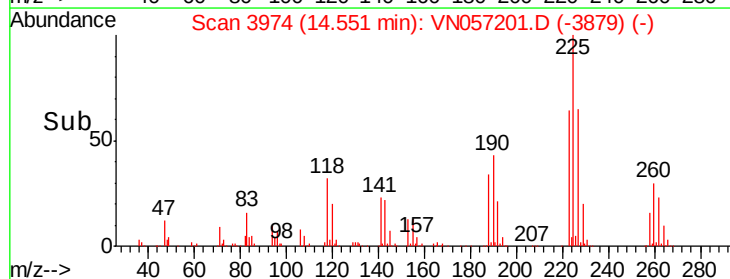
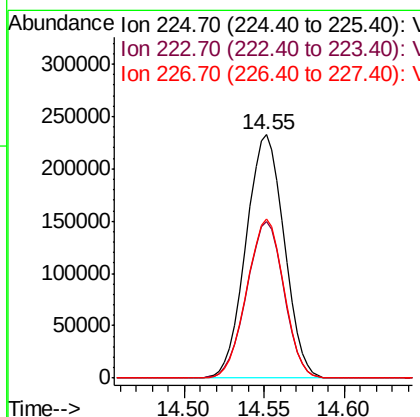
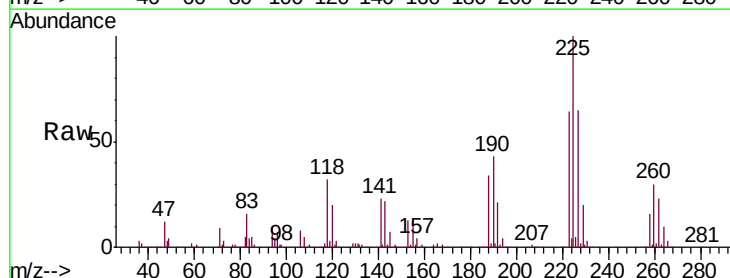
Manual Integrations
 APPROVED

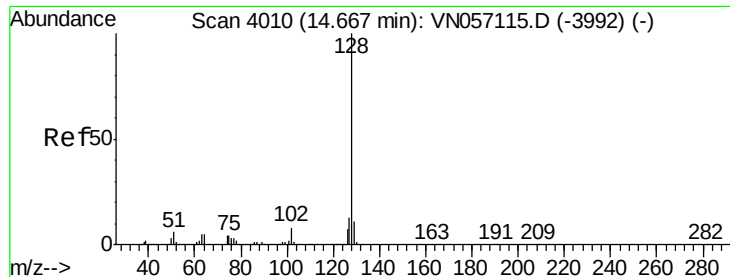
MMDadoda
 8/12/2019 3:41:55 PM



#94
 Hexachlorobutadiene
 Concen: 54.305 ug/l
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VN057201.D
 Acq: 11 Aug 2019 20:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	378789		
223	63.0	30.9	92.8	
227	63.8	32.4	97.0	





#95

Naphthalene

Concen: 39.773 ug/l

RT: 14.67 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Instrument :

MSVOA_N

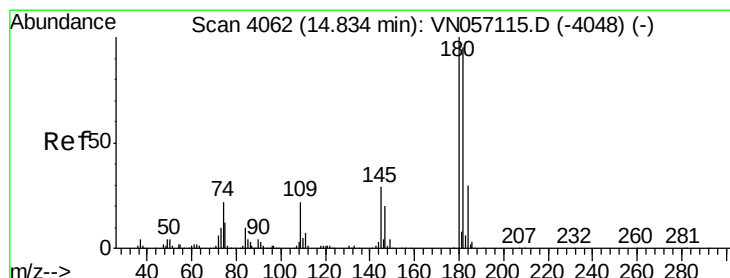
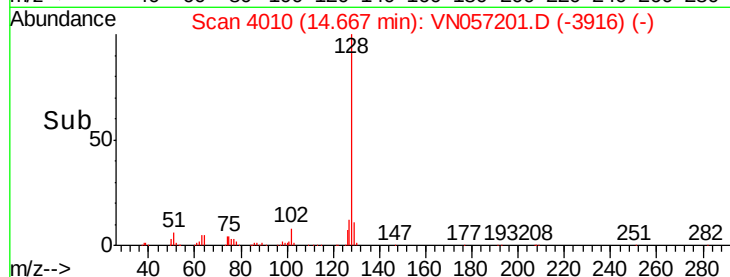
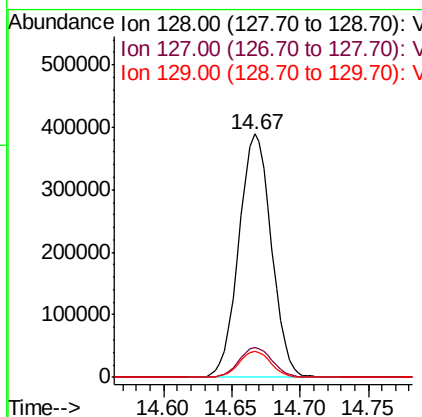
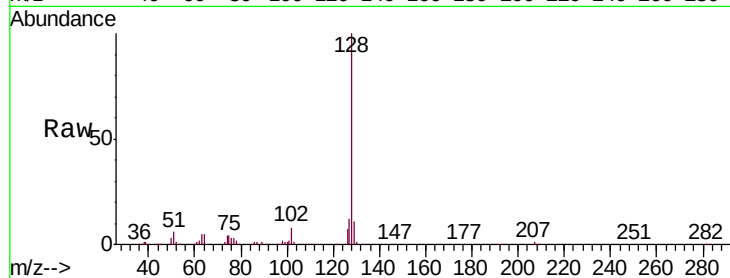
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	128	Resp:	645161
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.3	15.5
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:41:55 PM



#96

1,2,3-Trichlorobenzene

Concen: 37.523 ug/l

RT: 14.83 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VN057201.D

Acq: 11 Aug 2019 20:43

Tgt Ion:	180	Resp:	316727
Ion Ratio	Lower	Upper	
180	100		
182	94.7	48.3	144.8
145	29.8	14.9	44.5

