

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080719\
 Data File : VN057116.D
 Acq On : 7 Aug 2019 20:33
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/8/2019 2:40:34 PM

Quant Time: Aug 08 05:33:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 04:56:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1237979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1823752	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1687697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	736495	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	1246858	97.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.62%	
35) Dibromofluoromethane	6.98	113	1130800	98.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.94%	
50) Toluene-d8	9.56	98	4451101	102.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.56%	
62) 4-Bromofluorobenzene	11.92	95	1547261	111.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	222.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.82	85	941109	97.580	ug/l	98
3) Chloromethane	2.00	50	1238691	95.973	ug/l	99
4) Vinyl Chloride	2.11	62	1203762	97.608	ug/l	100
5) Bromomethane	2.40	94	788268	106.115	ug/l	99
6) Chloroethane	2.54	64	774815	127.664	ug/l	100
7) Trichlorofluoromethane	2.82	101	1729778	101.676	ug/l	99
8) Diethyl Ether	3.14	74	673800	97.096	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.44	101	1031427	95.759	ug/l	100
10) Methyl Iodide	3.62	142	1701342	132.032	ug/l	100
11) Tert butyl alcohol	4.23	59	862970	619.750	ug/l	100
12) 1,1-Dichloroethene	3.43	96	1050238	97.285	ug/l	99
13) Acrolein	3.30	56	575746	493.452	ug/l	99
14) Allyl chloride	3.91	41	1555844	95.990	ug/l	99
15) Acrylonitrile	4.44	53	2556867	563.982	ug/l	99
16) Acetone	3.47	43	1885832	480.623	ug/l	100
17) Carbon Disulfide	3.72	76	2866154	108.521	ug/l	98
18) Methyl Acetate	3.89	43	1125529	82.903	ug/l	99
19) Methyl tert-butyl Ether	4.49	73	3219041	101.822	ug/l	98
20) Methylene Chloride	4.09	84	1210797	97.650	ug/l	100
21) trans-1,2-Dichloroethene	4.50	96	1124961	98.904	ug/l	98
22) Diisopropyl ether	5.31	45	3275742	96.249	ug/l	99
23) Vinyl Acetate	5.26	43	13317425	523.989	ug/l	99
24) 1,1-Dichloroethane	5.25	63	1994723	95.209	ug/l	99
25) 2-Butanone	6.20	43	3071543	548.782	ug/l	98
26) 2,2-Dichloropropane	6.21	77	1524551	95.461	ug/l	99
27) cis-1,2-Dichloroethene	6.21	96	1313373	98.912	ug/l	99
28) Bromochloromethane	6.58	49	934051	100.753	ug/l	98
29) Tetrahydrofuran	6.60	42	1993322	547.421	ug/l	100
30) Chloroform	6.76	83	2027621	96.558	ug/l	99
31) Cyclohexane	7.07	56	1767751	95.310	ug/l	99
32) 1,1,1-Trichloroethane	6.98	97	1791994	102.357	ug/l	99
36) 1,1-Dichloropropene	7.20	75	1570768	99.154	ug/l	100
37) Ethyl Acetate	6.28	43	1252369	103.707	ug/l #	99
38) Carbon Tetrachloride	7.18	117	1605822	105.214	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	1893137	103.251	ug/l	96
40) Benzene	7.46	78	4768251	97.524	ug/l	99
41) Methacrylonitrile	6.55	41	693311	136.448	ug/l	97
42) 1,2-Dichloroethane	7.54	62	1512065	98.790	ug/l	99
43) Isopropyl Acetate	7.56	43	2170091	98.529	ug/l	99
44) Trichloroethene	8.27	130	1345629	100.732	ug/l	99
45) 1,2-Dichloropropane	8.56	63	1239000	97.990	ug/l	99
46) Dibromomethane	8.65	93	808081	102.633	ug/l	99
47) Bromodichloromethane	8.85	83	1627956	107.783	ug/l	98
48) Methyl methacrylate	8.63	41	1037188	107.014	ug/l	99
49) 1,4-Dioxane	8.64	88	432893	2198.241	ug/l	98
51) 4-Methyl-2-Pentanone	9.45	43	6524432	593.108	ug/l	100
52) Toluene	9.63	92	3050508	102.763	ug/l	100
53) t-1,3-Dichloropropene	9.85	75	1781290	112.426	ug/l	99
54) cis-1,3-Dichloropropene	9.30	75	1976873	106.411	ug/l	100
55) 1,1,2-Trichloroethane	10.04	97	1171026	103.369	ug/l	99
56) Ethyl methacrylate	9.90	69	1786806	115.121	ug/l	99
57) 1,3-Dichloropropane	10.19	76	1945325	103.431	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	3296612	588.710	ug/l	99
59) 2-Hexanone	10.24	43	4582773	580.678	ug/l	99
60) Dibromochloromethane	10.39	129	1358023	115.209	ug/l	99
61) 1,2-Dibromoethane	10.50	107	1251741	108.182	ug/l	99
64) Tetrachloroethene	10.11	164	1315559	92.657	ug/l	97
65) Chlorobenzene	10.93	112	3410133	100.085	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.01	131	1279315	101.903	ug/l	100
67) Ethyl Benzene	11.01	91	6026657	102.757	ug/l	100
68) m/p-Xylenes	11.12	106	4514972	204.373	ug/l	98
69) o-Xylene	11.46	106	2203923	101.550	ug/l	98
70) Styrene	11.47	104	3727858	107.712	ug/l	99
71) Bromoform	11.64	173	1030415	116.198	ug/l #	98
73) Isopropylbenzene	11.76	105	5905428	98.703	ug/l	100
74) N-amyl acetate	11.58	43	1794648	102.210	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	1567971	93.167	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	1410799m	101.466	ug/l	
77) Bromobenzene	12.04	156	1562222	98.048	ug/l	99
78) n-propylbenzene	12.11	91	6526059	106.357	ug/l	99
79) 2-Chlorotoluene	12.19	91	3865883	98.474	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	4971716	99.492	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	509020	115.491	ug/l	95
82) 4-Chlorotoluene	12.29	91	3798398	103.176	ug/l	99
83) tert-Butylbenzene	12.52	119	4436243	100.445	ug/l	98
84) 1,2,4-Trimethylbenzene	12.57	105	4855520	101.627	ug/l	99
85) sec-Butylbenzene	12.70	105	5690706	104.379	ug/l	99
86) p-Isopropyltoluene	12.82	119	5144041	106.753	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	2450731	99.600	ug/l	100
88) 1,4-Dichlorobenzene	12.89	146	2341534	98.952	ug/l	100
89) n-Butylbenzene	13.15	91	3994098	108.452	ug/l	100
90) Hexachloroethane	13.41	117	893927	107.065	ug/l	99
91) 1,2-Dichlorobenzene	13.18	146	2284797	93.520	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	250499	104.813	ug/l	98

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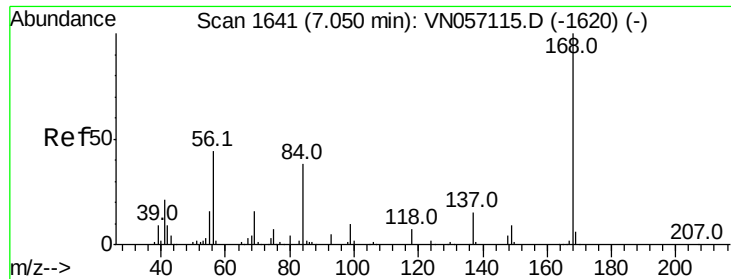
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	1077351	98.094	ug/l	99
94) Hexachlorobutadiene	14.55	225	859608	87.994	ug/l	98
95) Naphthalene	14.66	128	2704647	120.994	ug/l	99
96) 1,2,3-Trichlorobenzene	14.83	180	1130149	100.474	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 1237979

Ion Ratio Lower Upper

168 100

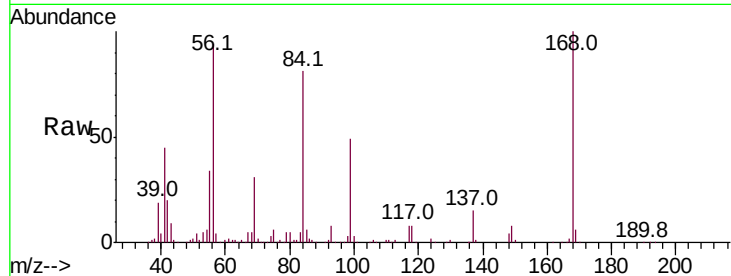
99 48.7 38.6 57.8

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

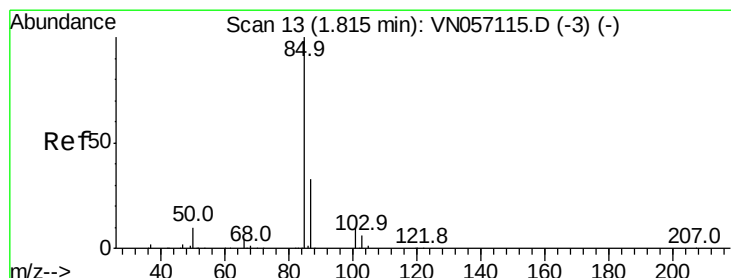
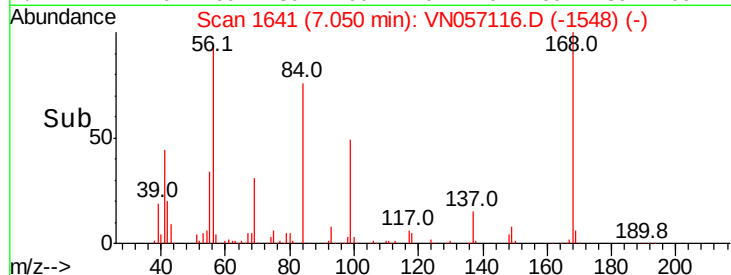
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 97.580 ug/l

RT: 1.82 min Scan# 13

Delta R.T. -0.00 min

Lab File: VN057116.D

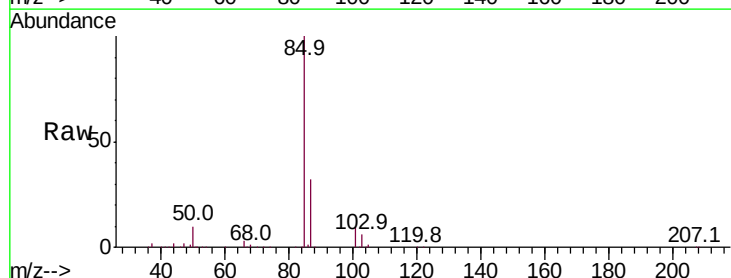
Acq: 7 Aug 2019 20:33

Tgt Ion: 85 Resp: 941109

Ion Ratio Lower Upper

85 100

87 32.2 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

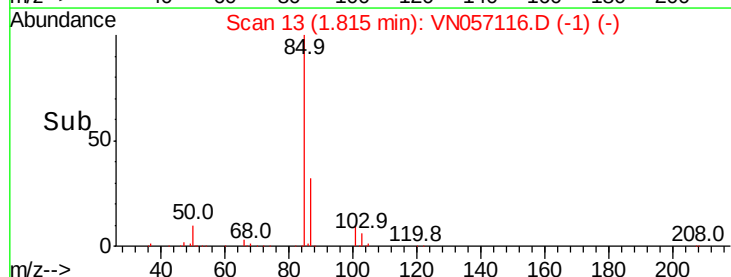
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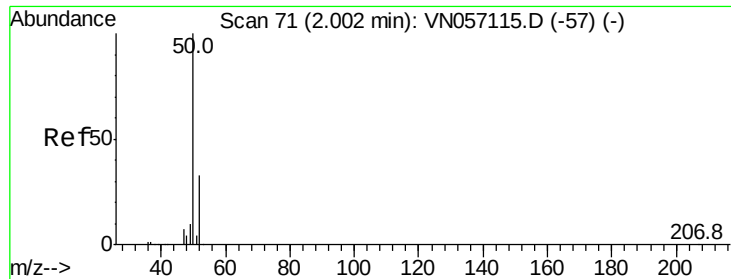
400000

200000

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Time-->





#3

Chloromethane

Concen: 95.973 ug/l

RT: 2.00 min Scan# 70

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 1238691

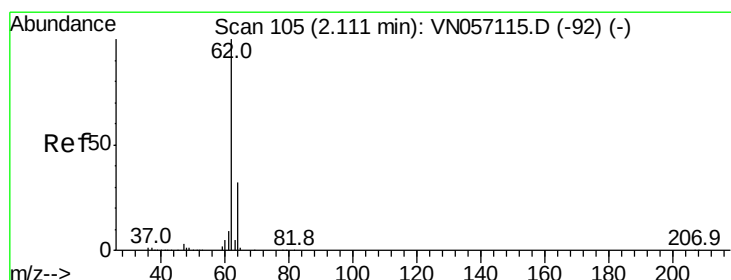
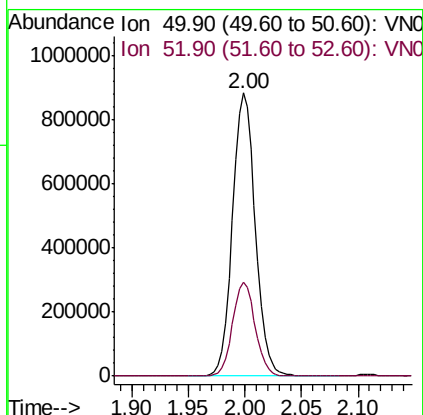
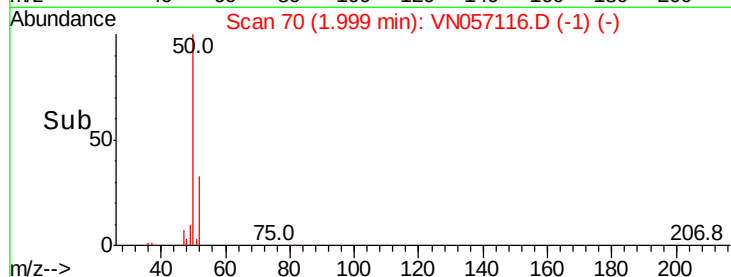
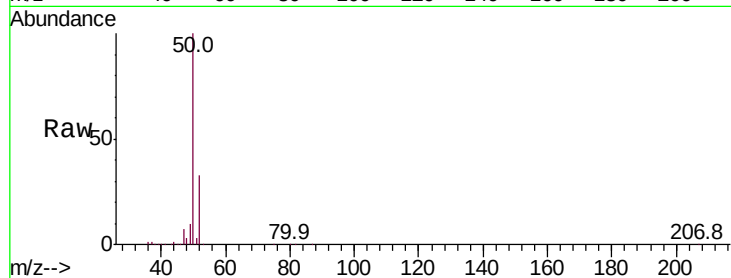
Ion Ratio Lower Upper

50 100

52 33.4 26.1 39.1

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#4

Vinyl Chloride

Concen: 97.608 ug/l

RT: 2.11 min Scan# 104

Delta R.T. -0.00 min

Lab File: VN057116.D

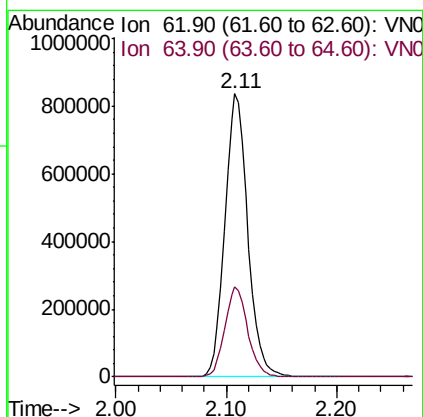
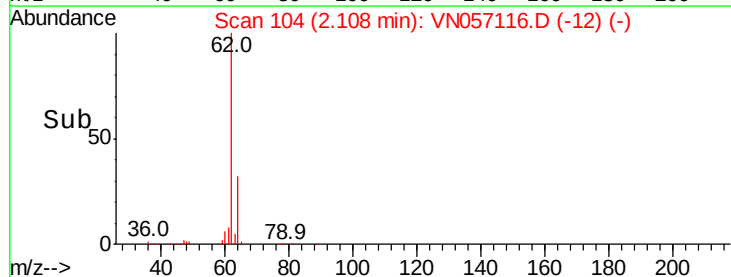
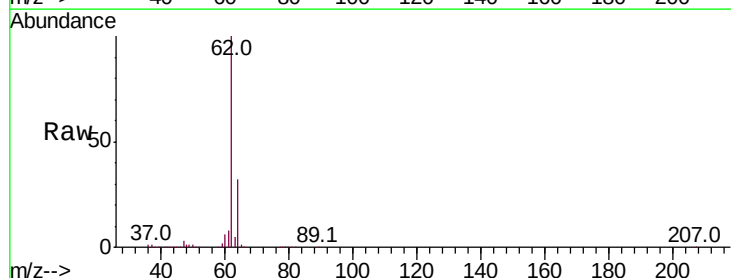
Acq: 7 Aug 2019 20:33

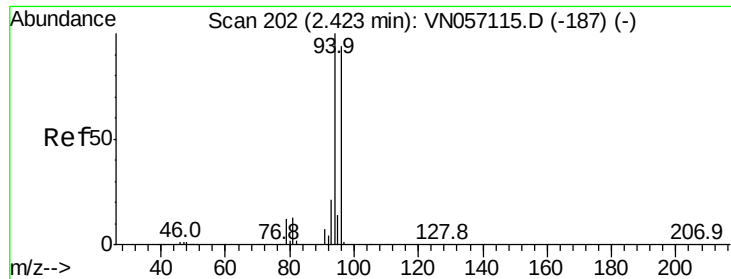
Tgt Ion: 62 Resp: 1203762

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.0





#5

Bromomethane

Concen: 106.115 ug/l

RT: 2.40 min Scan# 196

Delta R.T. -0.02 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 788268

Ion Ratio Lower Upper

94 100

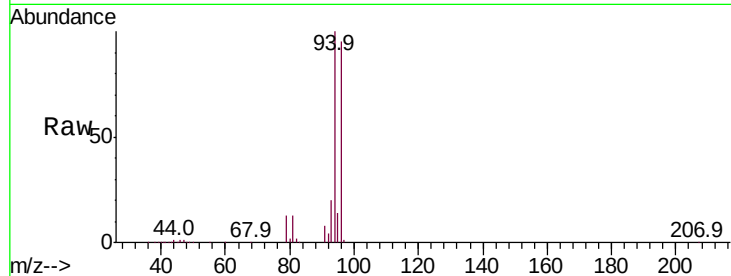
96 94.6 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN057115.D (-187) (-)

Ion 95.90 (95.60 to 96.60): VN057115.D (-187) (-)

2.40

400000

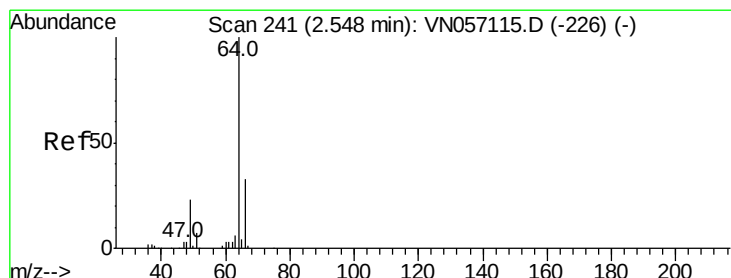
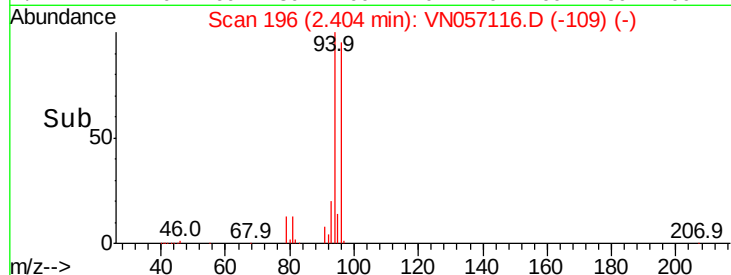
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 127.664 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN057116.D

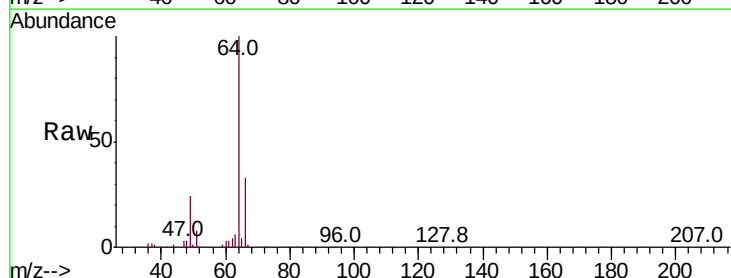
Acq: 7 Aug 2019 20:33

Tgt Ion: 64 Resp: 774815

Ion Ratio Lower Upper

64 100

66 32.8 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN057115.D (-226) (-)

Ion 65.90 (65.60 to 66.60): VN057115.D (-226) (-)

2.54

400000

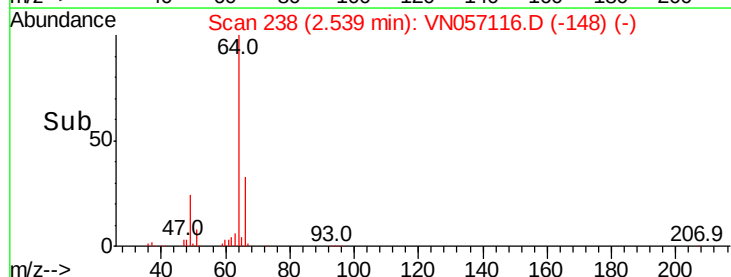
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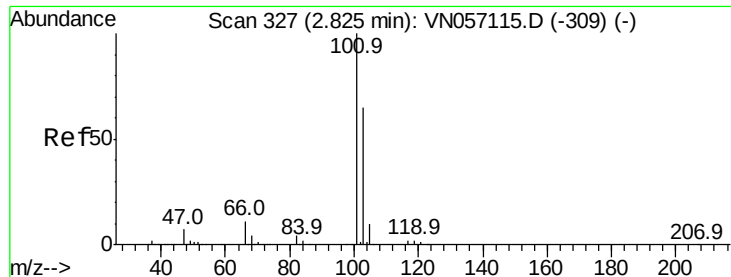
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100000

0

Time-->





#7

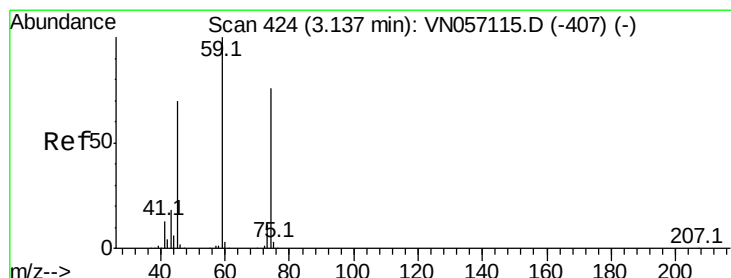
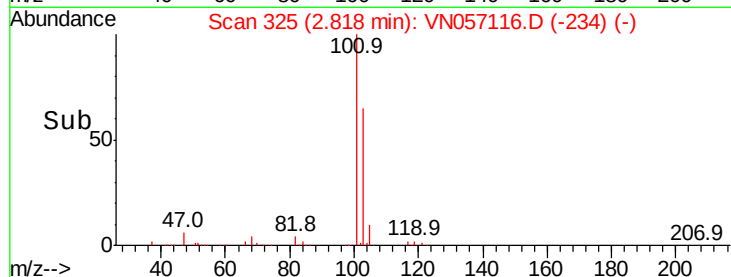
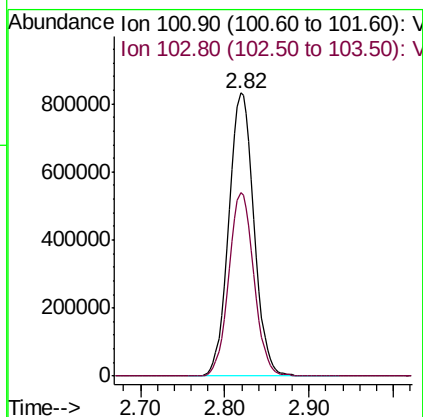
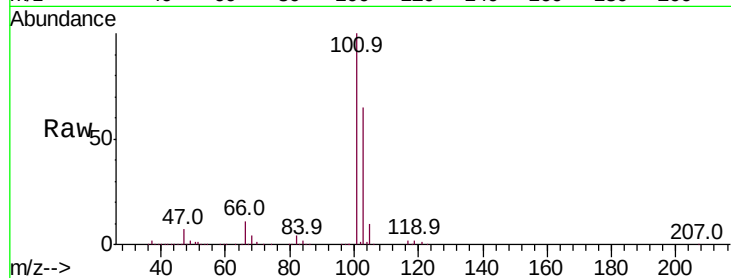
Trichlorofluoromethane
Concen: 101.676 ug/l
RT: 2.82 min Scan# 325
Delta R.T. -0.01 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Instrument :
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ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 1729778
Ion Ratio Lower Upper
101 100
103 64.7 52.2 78.4

Manual Integrations
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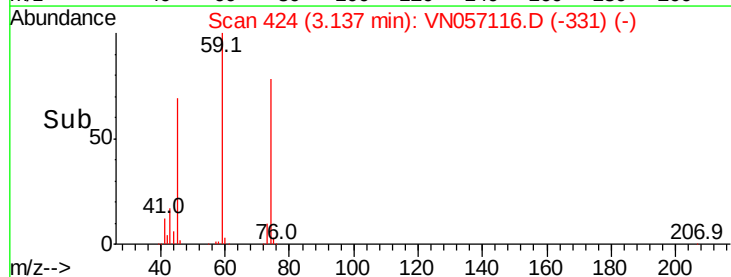
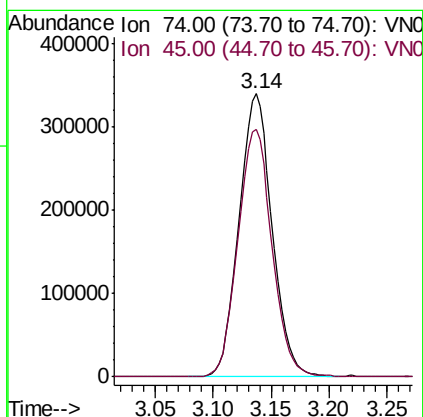
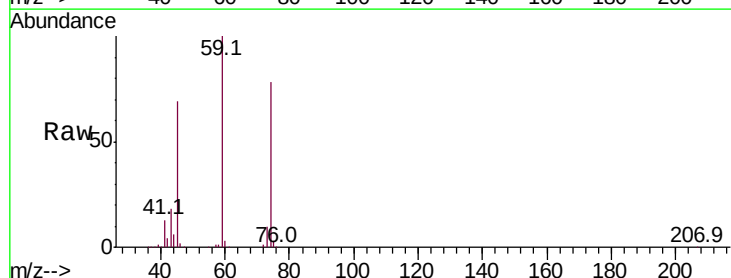
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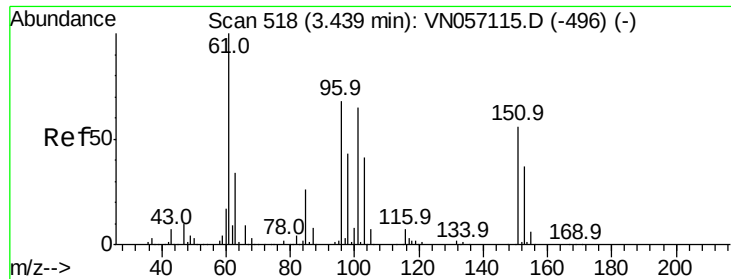


#8

Diethyl Ether
Concen: 97.096 ug/l
RT: 3.14 min Scan# 424
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Tgt Ion: 74 Resp: 673800
Ion Ratio Lower Upper
74 100
45 90.1 46.3 138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.759 ug/l

RT: 3.44 min Scan# 517

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:101 Resp: 1031427

Ion Ratio Lower Upper

101 100

85 40.8 32.3 48.5

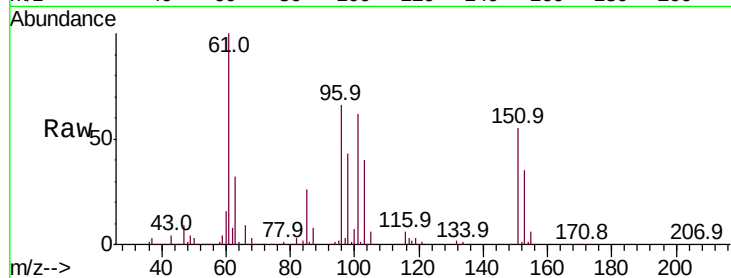
151 87.0 69.4 104.0

Manual Integrations

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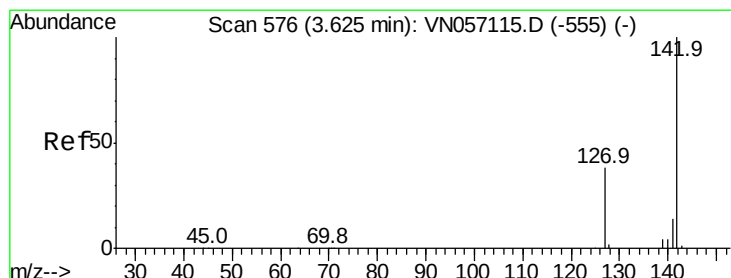
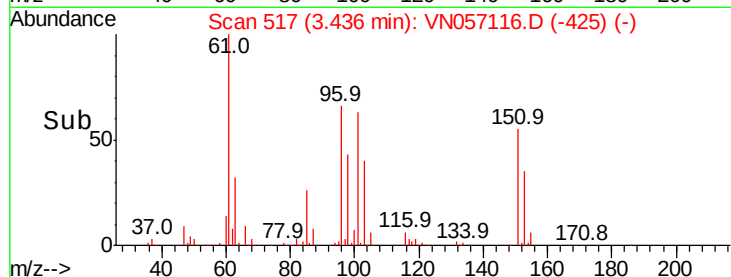
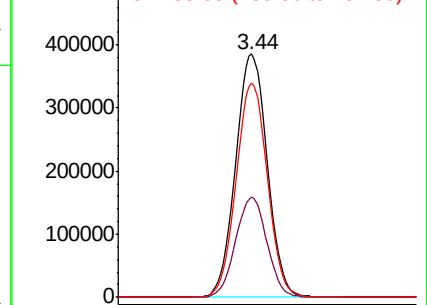


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 132.032 ug/l

RT: 3.62 min Scan# 575

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

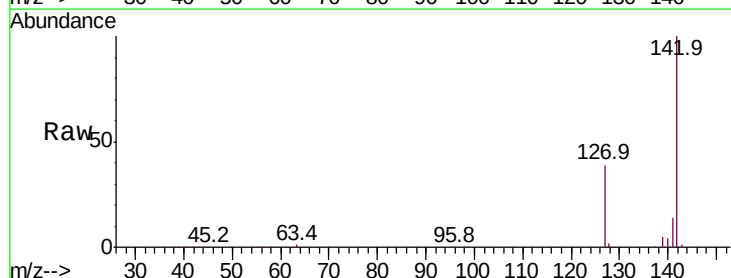
Tgt Ion:142 Resp: 1701342

Ion Ratio Lower Upper

142 100

127 39.0 31.0 46.6

141 14.2 11.2 16.8

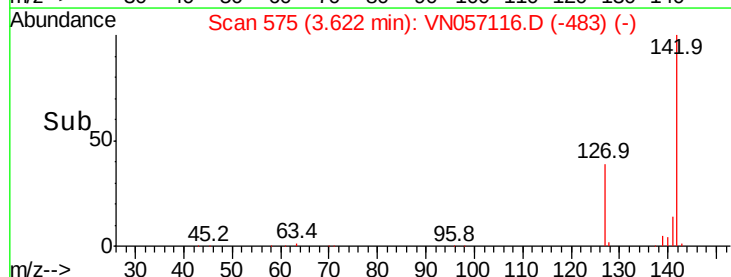
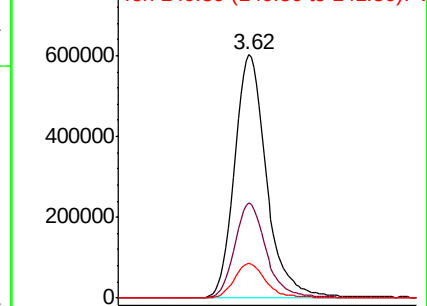


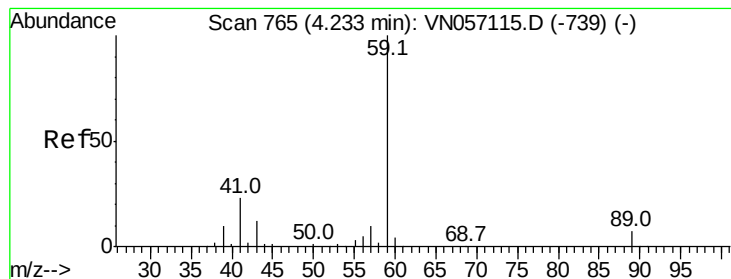
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

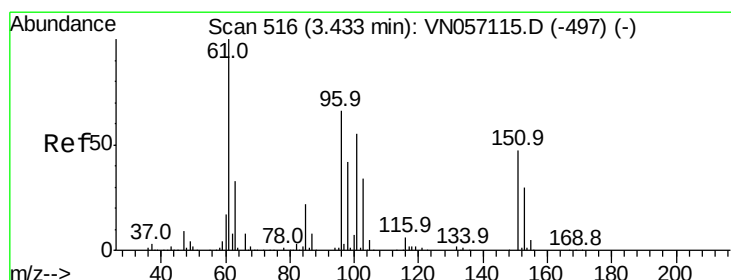
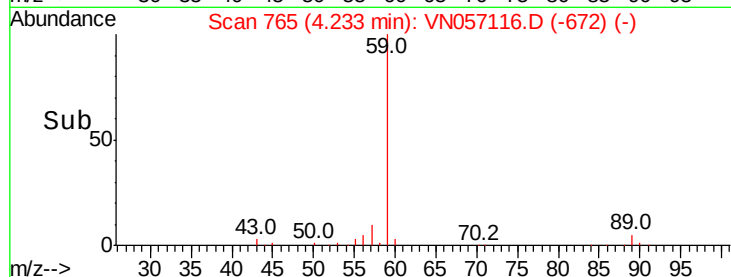
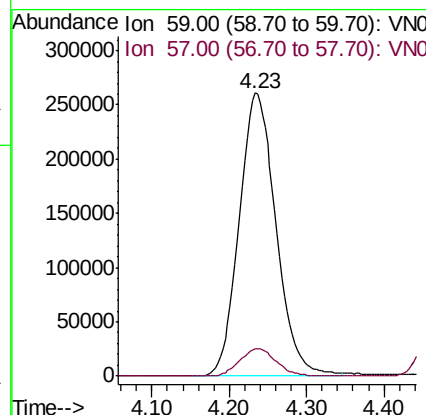
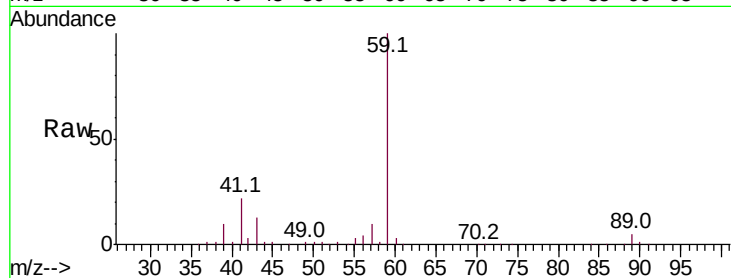
Tert butyl alcohol
 Concen: 619.750 ug/l
 RT: 4.23 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VN057116.D
 Acq: 7 Aug 2019 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.9	11.9

Manual Integrations
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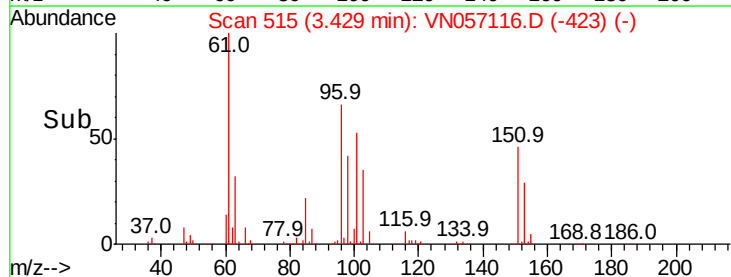
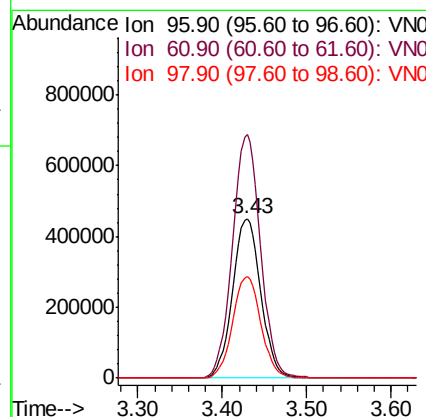
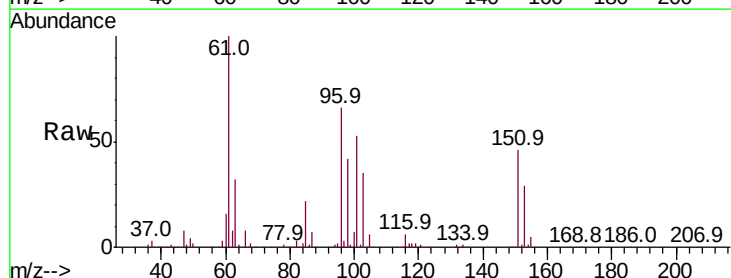
MMDadoda
 8/8/2019 2:40:34 PM

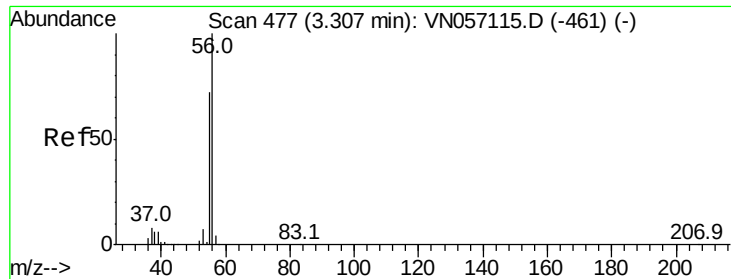


#12

1,1-Dichloroethene
 Concen: 97.285 ug/l
 RT: 3.43 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VN057116.D
 Acq: 7 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.5	121.0	181.6
98	63.6	50.8	76.2





#13

Acrolein

Concen: 493.452 ug/l

RT: 3.30 min Scan# 476

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 575746

Ion Ratio Lower Upper

56 100

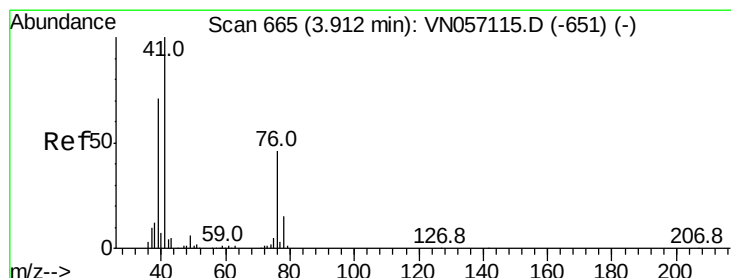
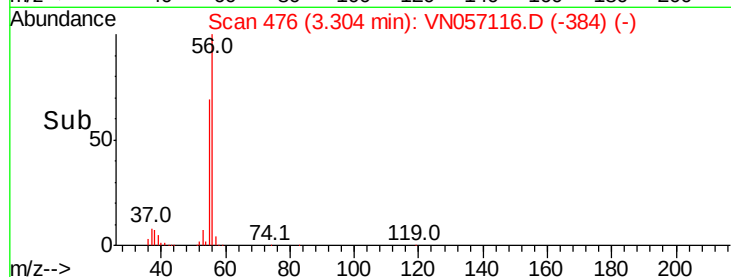
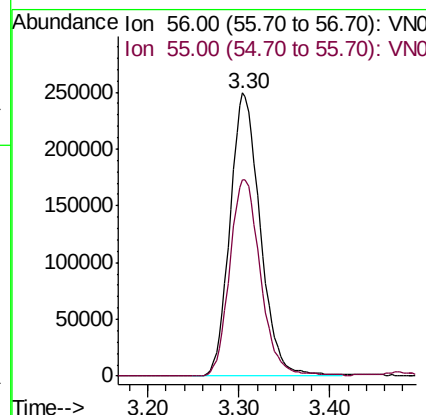
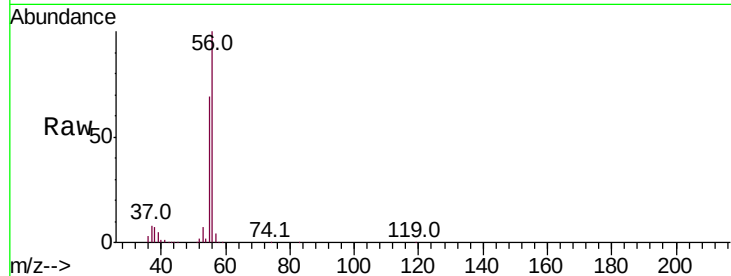
55 70.9 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 95.990 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

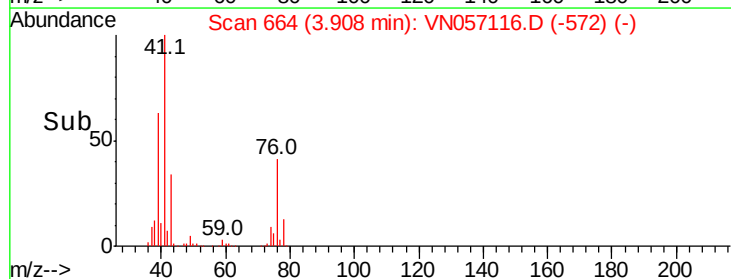
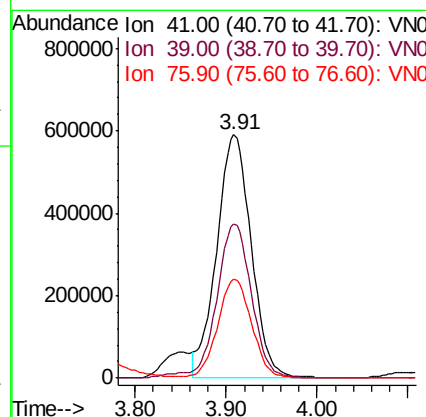
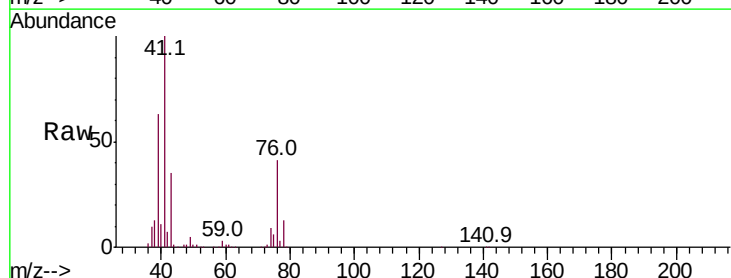
Tgt Ion: 41 Resp: 1555844

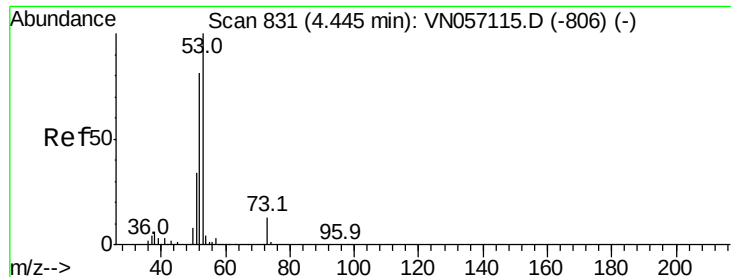
Ion Ratio Lower Upper

41 100

39 64.2 51.1 76.7

76 39.8 32.8 49.2





#15

Acrylonitrile

Concen: 563.982 ug/l

RT: 4.44 min Scan# 830

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 53 Resp: 2556867

Ion Ratio Lower Upper

53 100

52 81.7 64.9 97.3

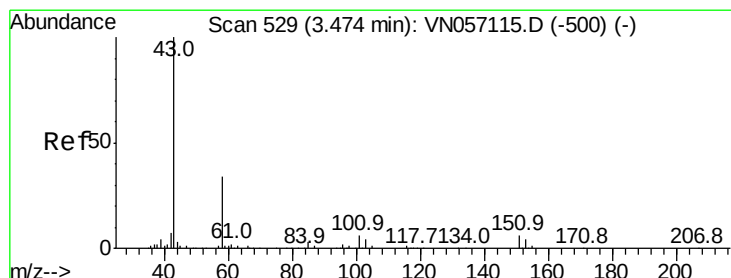
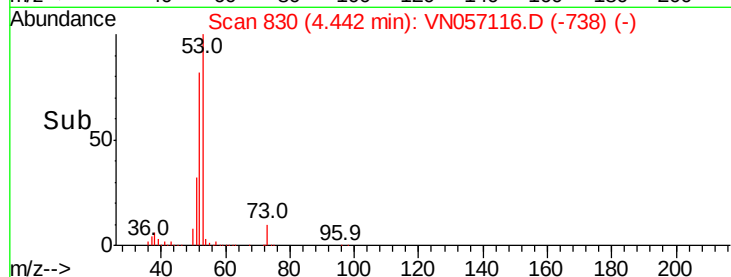
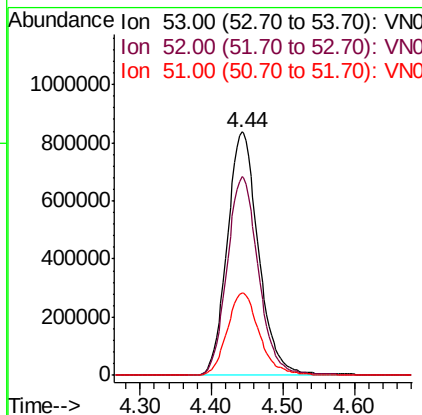
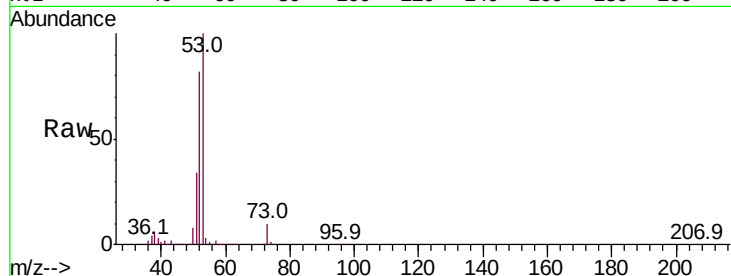
51 34.9 27.8 41.6

Manual Integrations

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#16

Acetone

Concen: 480.623 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057116.D

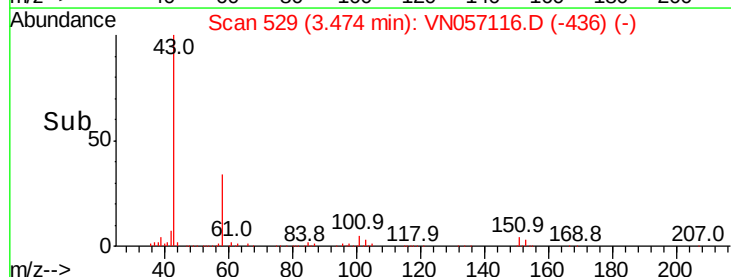
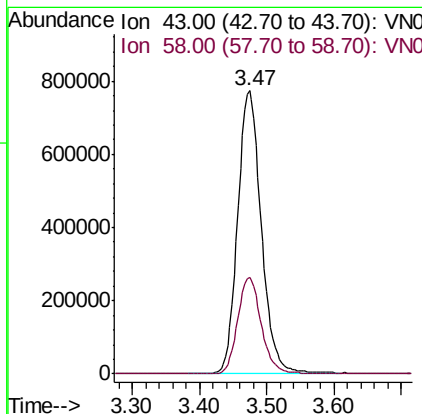
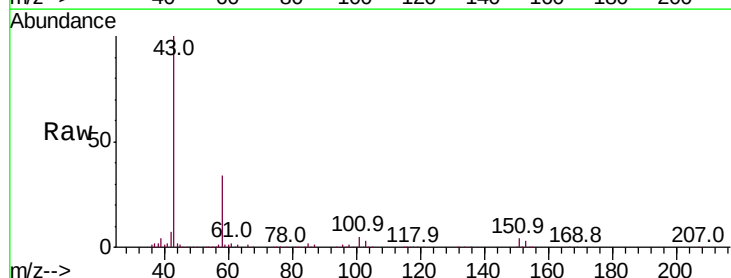
Acq: 7 Aug 2019 20:33

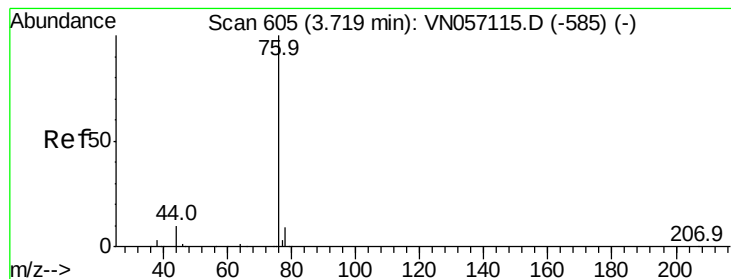
Tgt Ion: 43 Resp: 1885832

Ion Ratio Lower Upper

43 100

58 34.1 27.4 41.2





#17

Carbon Disulfide

Concen: 108.521 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 2866154

Ion Ratio Lower Upper

76 100

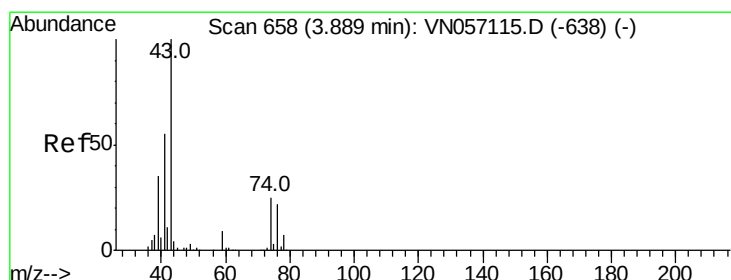
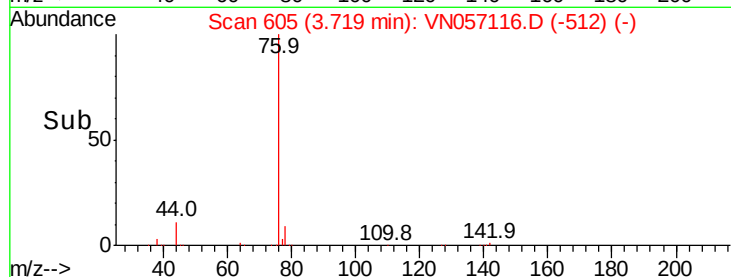
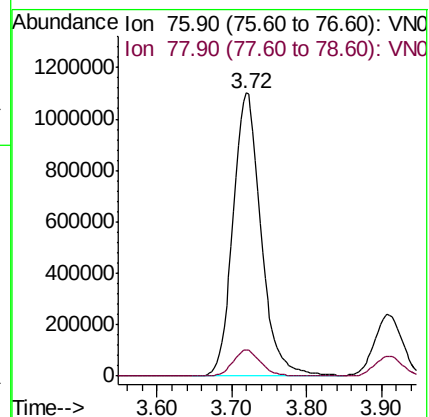
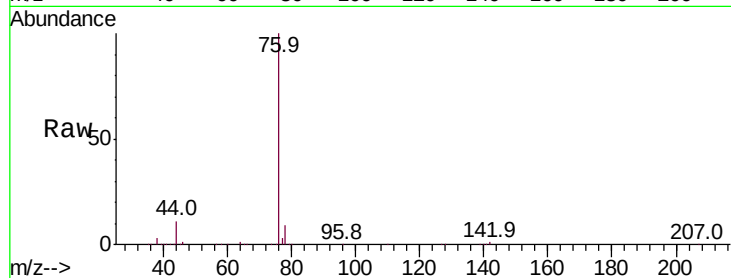
78 9.4 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 82.903 ug/l

RT: 3.89 min Scan# 657

Delta R.T. -0.00 min

Lab File: VN057116.D

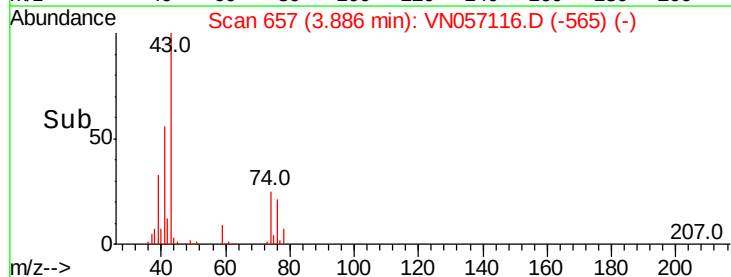
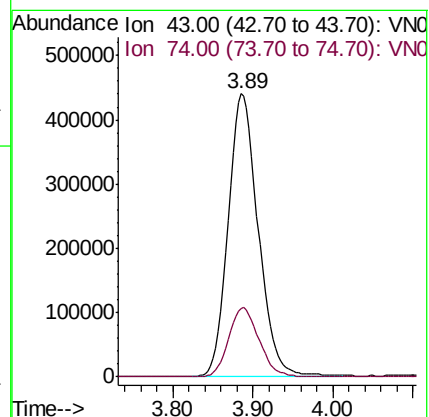
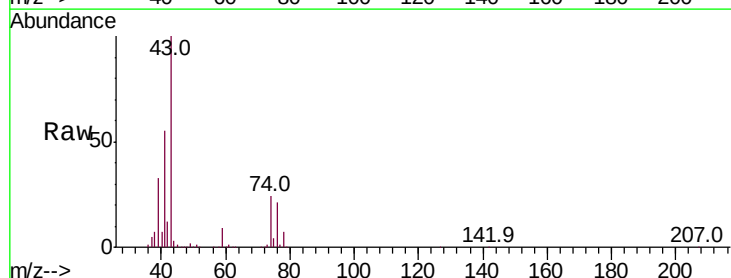
Acq: 7 Aug 2019 20:33

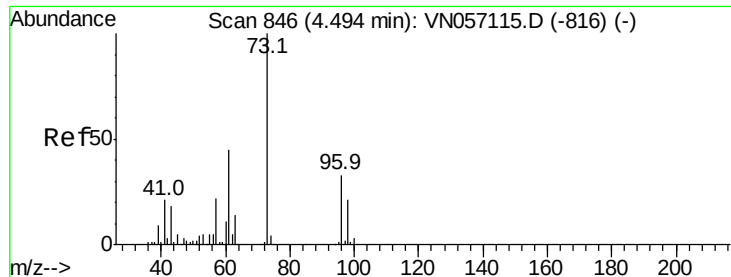
Tgt Ion: 43 Resp: 1125529

Ion Ratio Lower Upper

43 100

74 25.0 20.2 30.4





#19

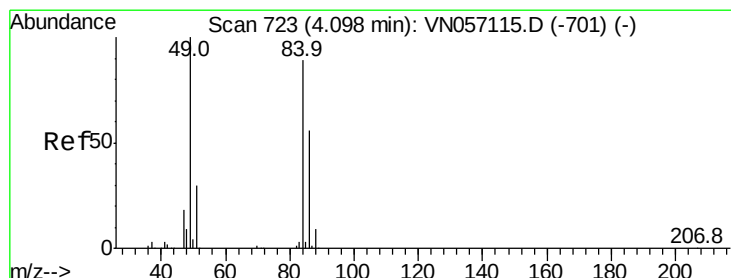
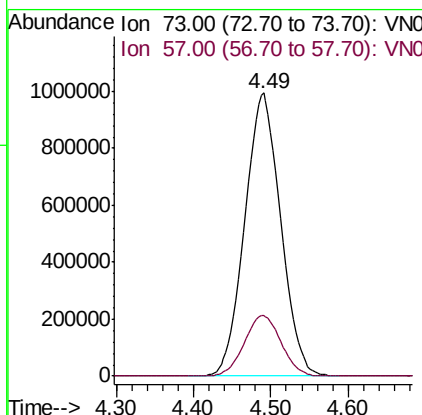
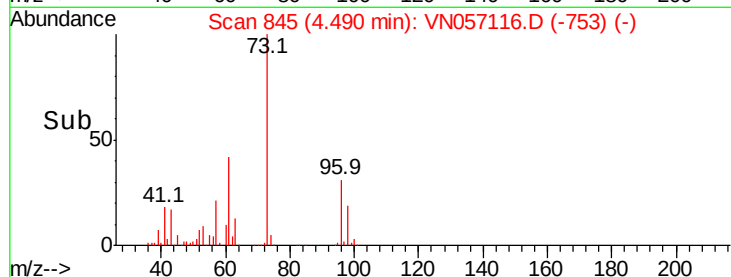
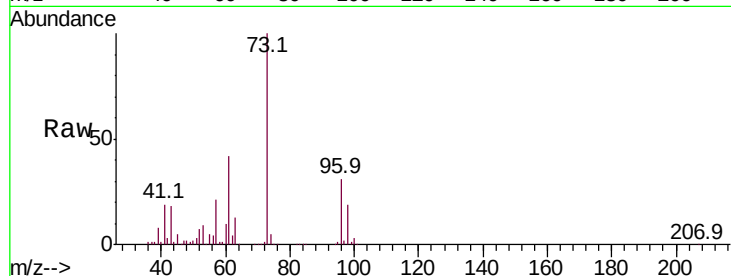
Methyl tert-butyl Ether
 Concen: 101.822 ug/l
 RT: 4.49 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: VN057116.D
 Acq: 7 Aug 2019 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 73 Resp: 3219041
 Ion Ratio Lower Upper
 73 100
 57 21.4 18.0 27.0

Manual Integrations
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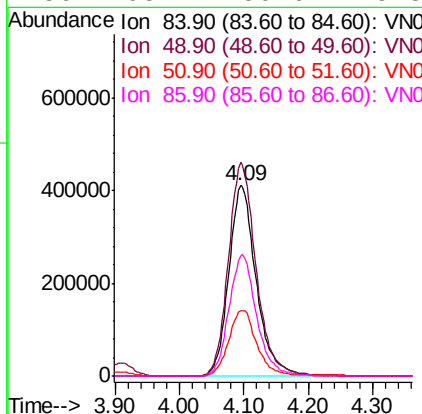
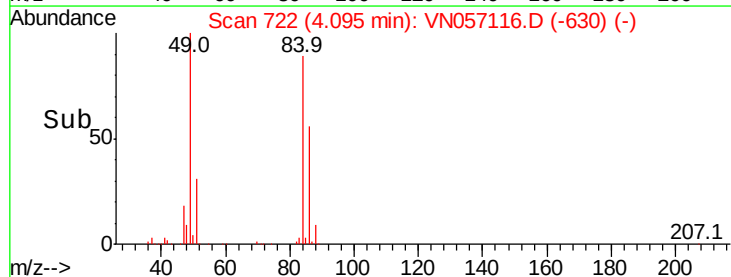
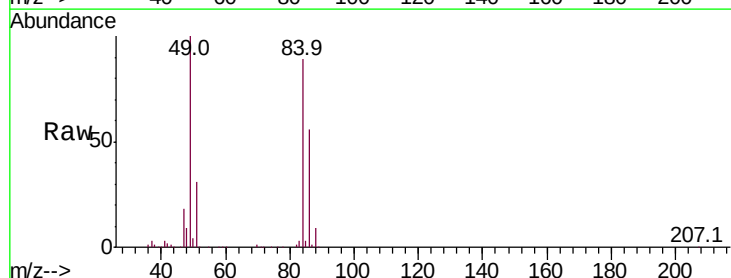
MMDadoda
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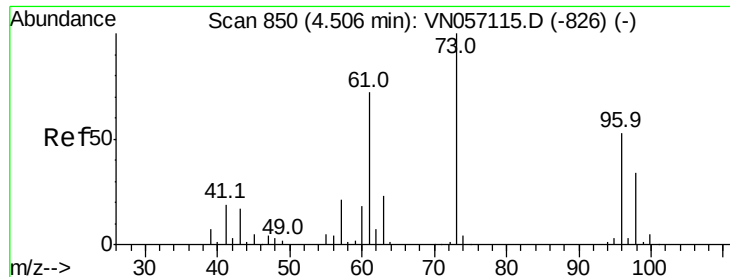


#20

Methylene Chloride
 Concen: 97.650 ug/l
 RT: 4.09 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VN057116.D
 Acq: 7 Aug 2019 20:33

Tgt Ion: 84 Resp: 1210797
 Ion Ratio Lower Upper
 84 100
 49 112.1 89.5 134.3
 51 34.4 27.2 40.8
 86 63.1 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 98.904 ug/l

RT: 4.50 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 1124961

Ion Ratio Lower Upper

96 100

61 132.8 108.1 162.1

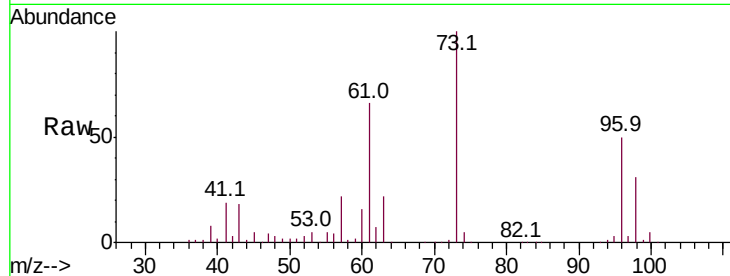
98 62.4 50.5 75.7

Manual Integrations

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MMDadoda

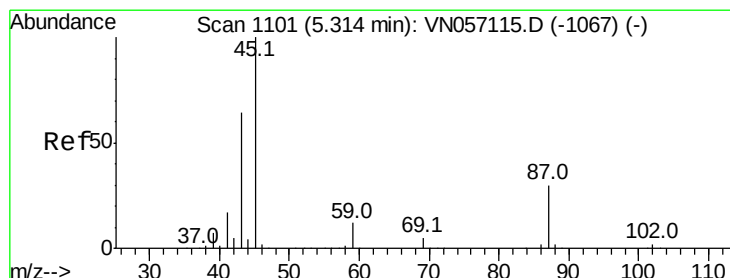
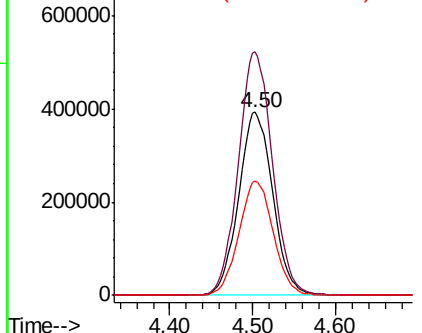
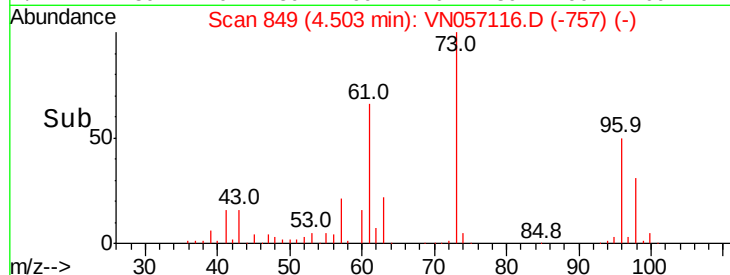
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Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 96.249 ug/l

RT: 5.31 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Tgt Ion: 45 Resp: 3275742

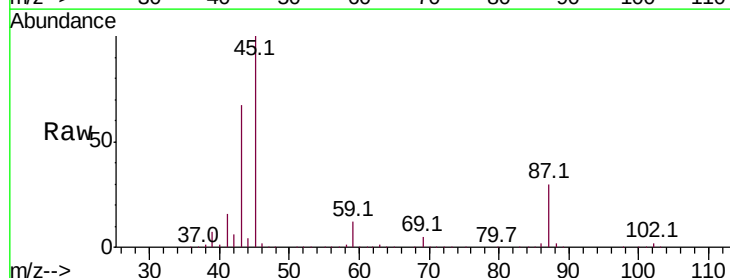
Ion Ratio Lower Upper

45 100

43 66.5 54.1 81.1

87 29.9 24.0 36.0

59 12.0 10.0 15.0

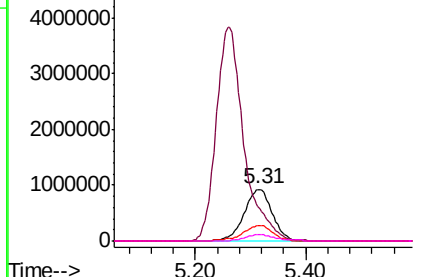
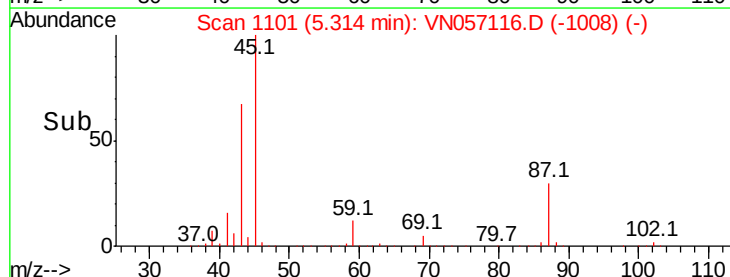


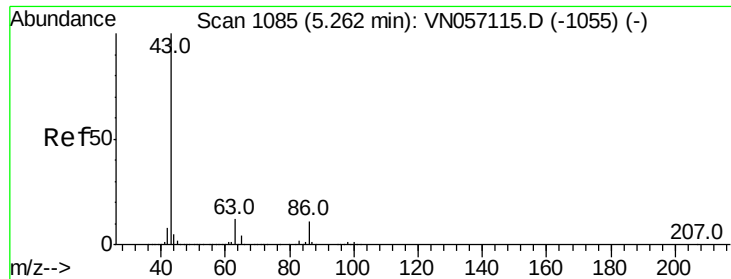
Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





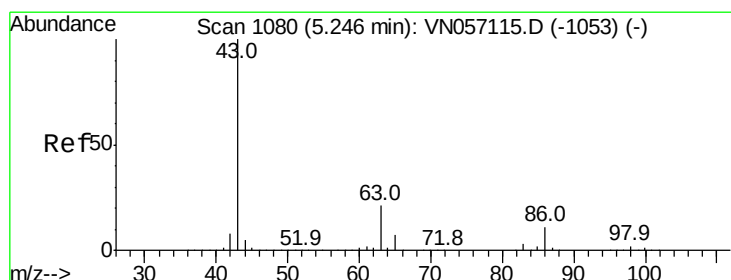
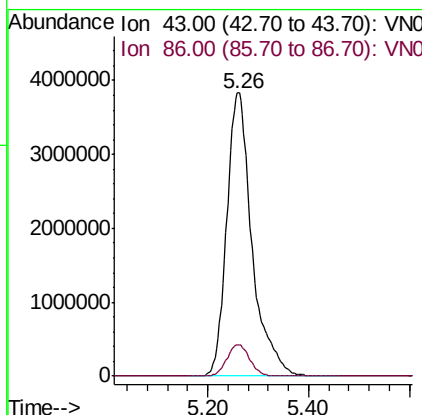
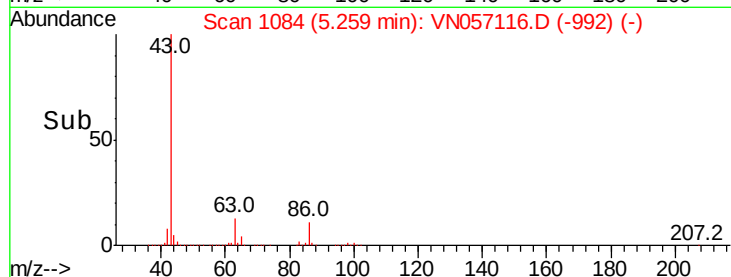
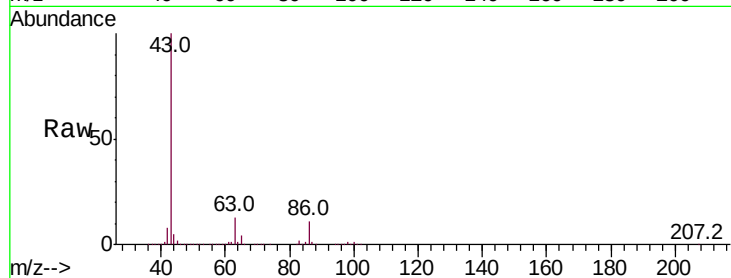
#23
 Vinyl Acetate
 Concen: 523.989 ug/l
 RT: 5.26 min Scan# 1084
 Delta R.T. -0.00 min
 Lab File: VN057116.D
 Acq: 7 Aug 2019 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 13317425
 Ion Ratio Lower Upper
 43 100
 86 11.2 9.2 13.8

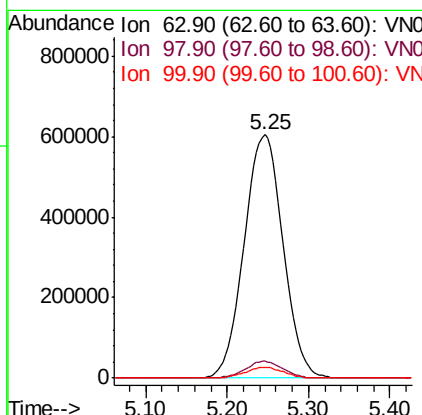
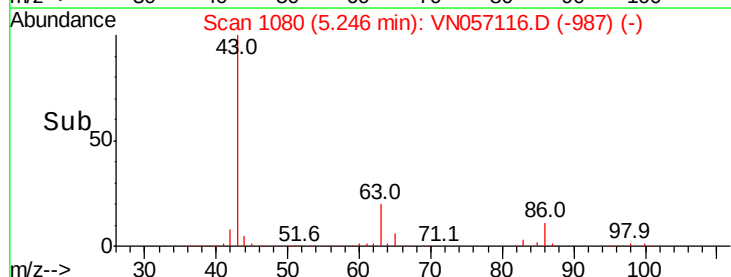
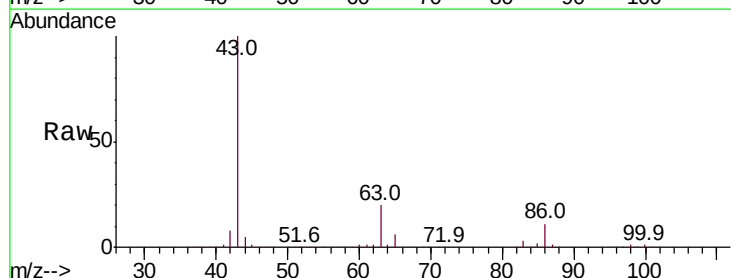
Manual Integrations
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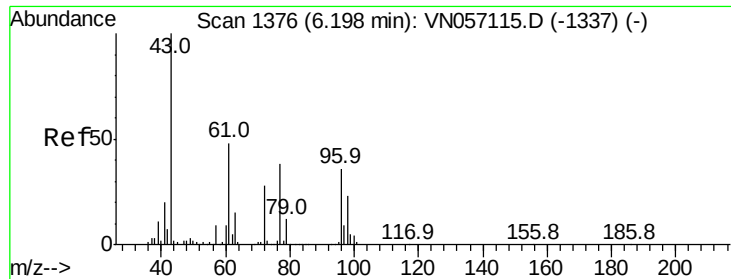
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#24
 1,1-Dichloroethane
 Concen: 95.209 ug/l
 RT: 5.25 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VN057116.D
 Acq: 7 Aug 2019 20:33

Tgt Ion: 63 Resp: 1994723
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.8 11.2
 100 4.3 2.1 6.3





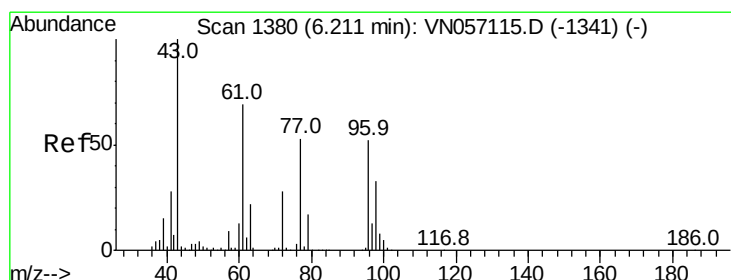
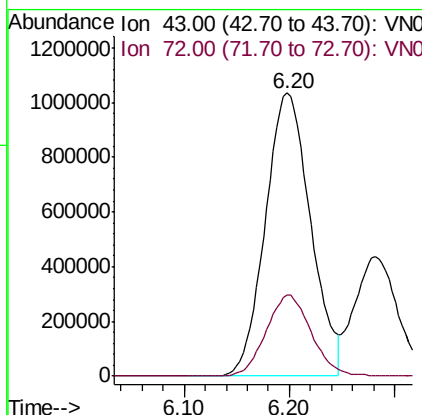
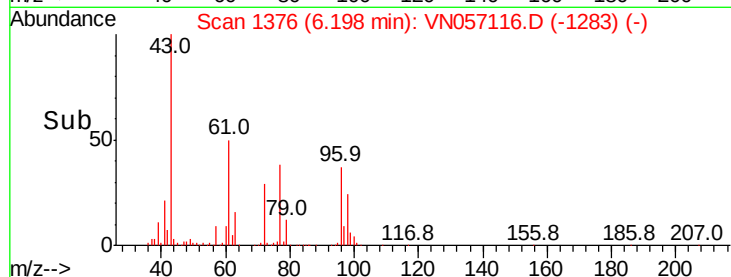
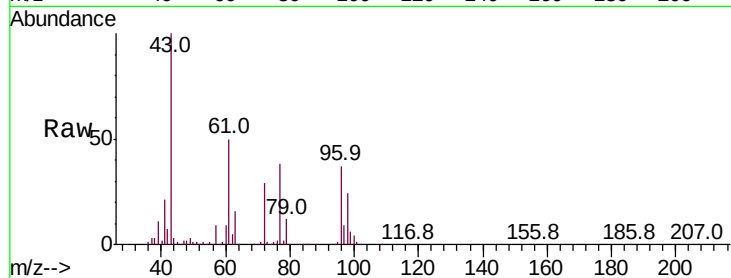
#25
2-Butanone
Concen: 548.782 ug/l
RT: 6.20 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 3071543
Ion Ratio Lower Upper
43 100
72 28.9 22.2 33.4

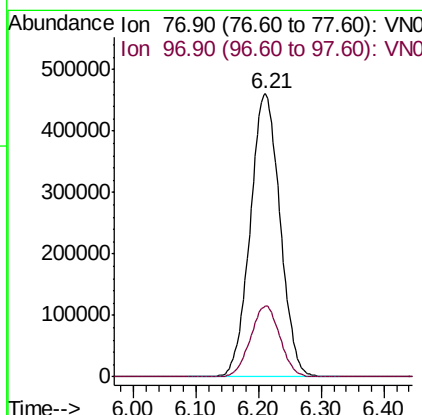
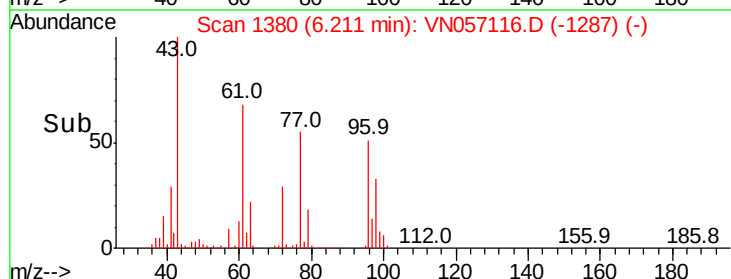
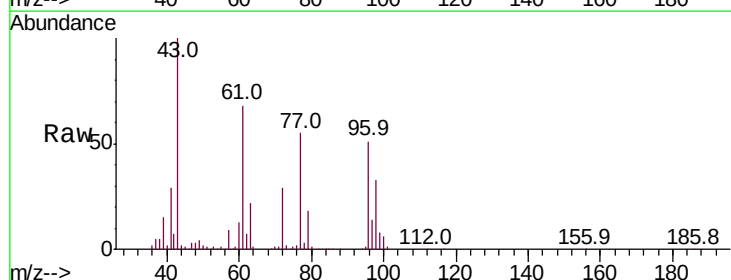
Manual Integrations
APPROVED

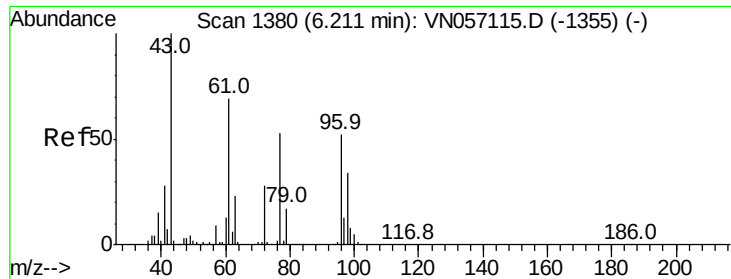
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#26
2,2-Dichloropropane
Concen: 95.461 ug/l
RT: 6.21 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Tgt Ion: 77 Resp: 1524551
Ion Ratio Lower Upper
77 100
97 24.8 12.3 36.8





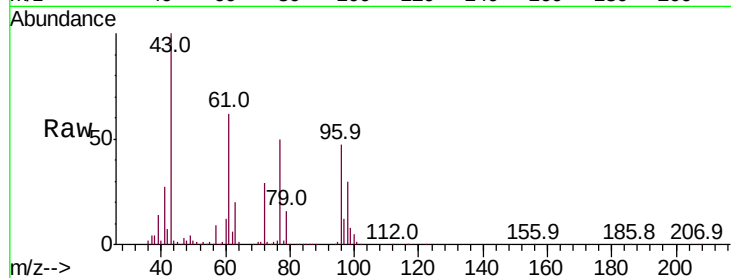
#27
 cis-1,2-Dichloroethene
 Concen: 98.912 ug/l
 RT: 6.21 min Scan# 1379
 Delta R.T. -0.00 min
 Lab File: VN057116.D
 Acq: 7 Aug 2019 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	273.4
98	64.4	0.0	130.4

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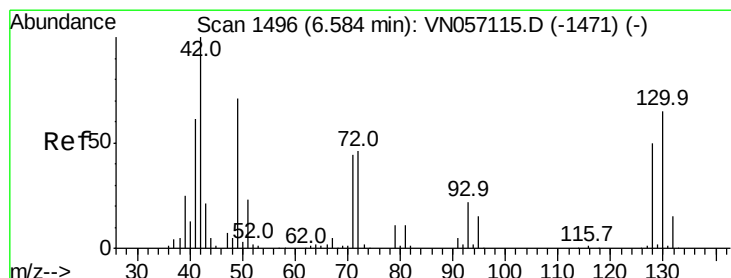
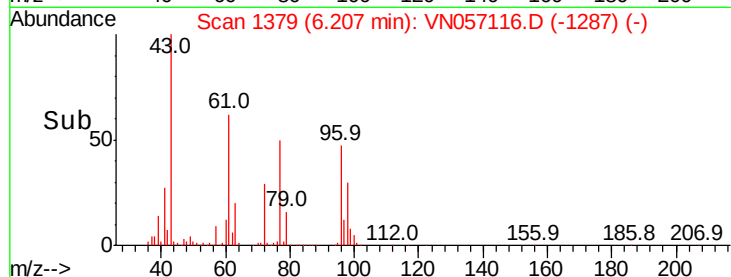
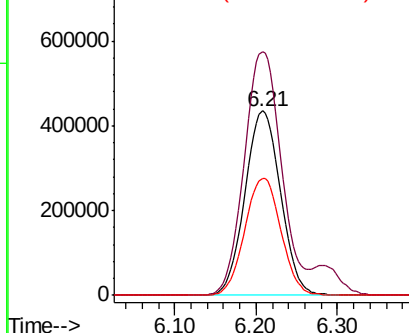


Abundance

Ion 95.90 (95.60 to 96.60): VN057115.D (-1355) (-)

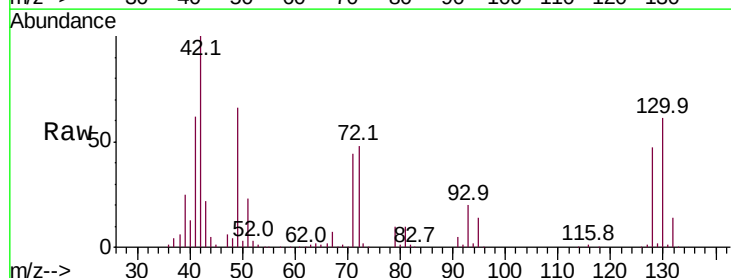
Ion 60.90 (60.60 to 61.60): VN057115.D (-1355) (-)

Ion 97.90 (97.60 to 98.60): VN057115.D (-1355) (-)



#28
 Bromochloromethane
 Concen: 100.753 ug/l
 RT: 6.58 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: VN057116.D
 Acq: 7 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	90.7	73.8	110.8

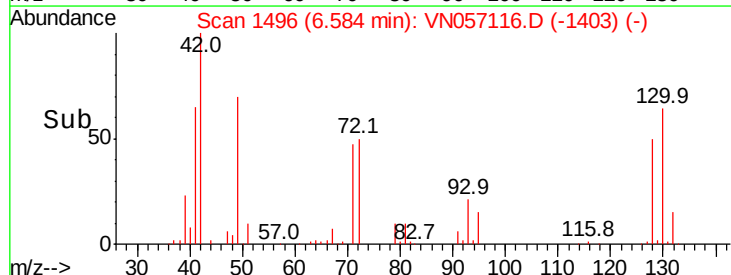
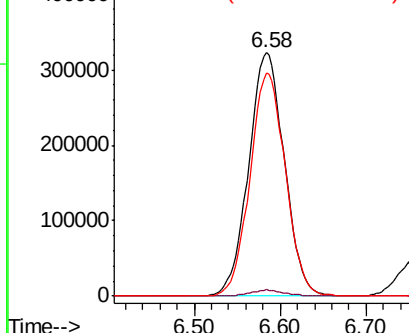


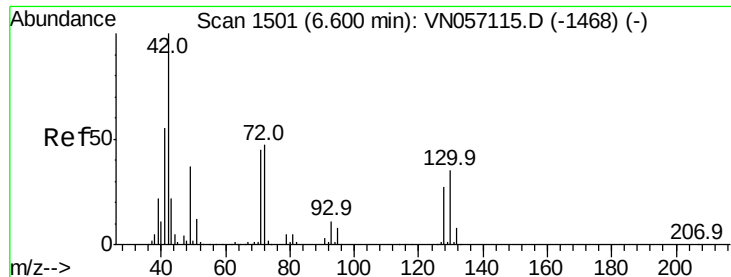
Abundance

Ion 48.90 (48.60 to 49.60): VN057115.D (-1471) (-)

Ion 128.80 (128.50 to 129.50): VN057115.D (-1471) (-)

Ion 129.80 (129.50 to 130.50): VN057115.D (-1471) (-)





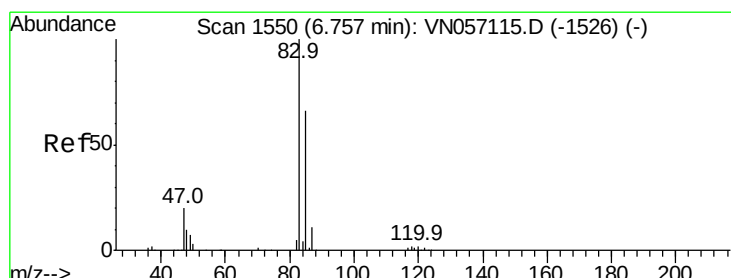
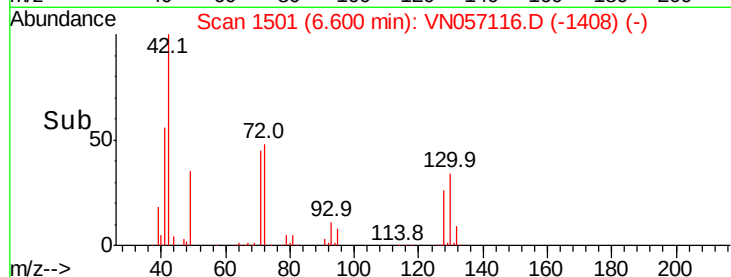
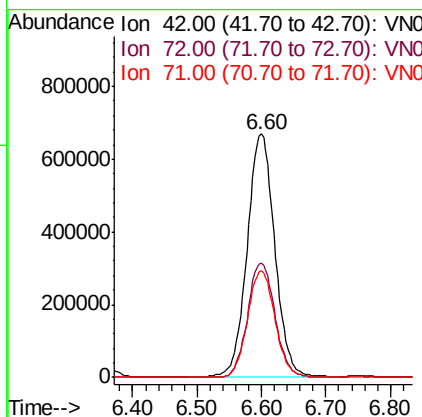
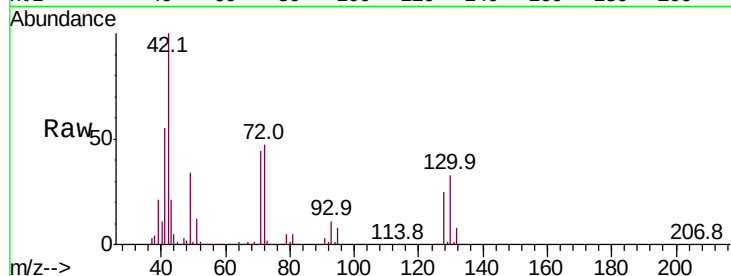
#29
Tetrahydrofuran
Concen: 547.421 ug/l
RT: 6.60 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 1993322
Ion Ratio Lower Upper
42 100
72 46.6 37.1 55.7
71 43.7 34.8 52.2

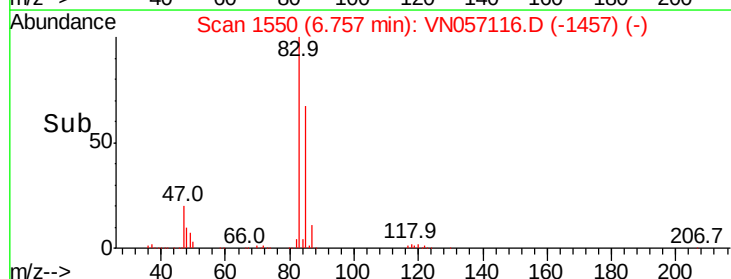
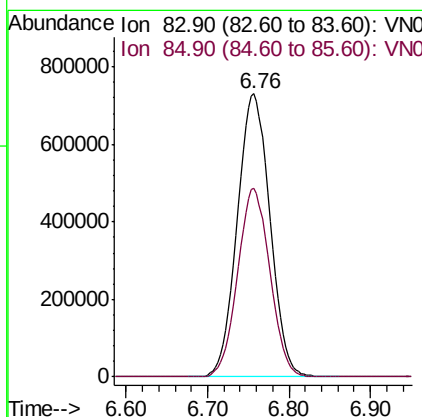
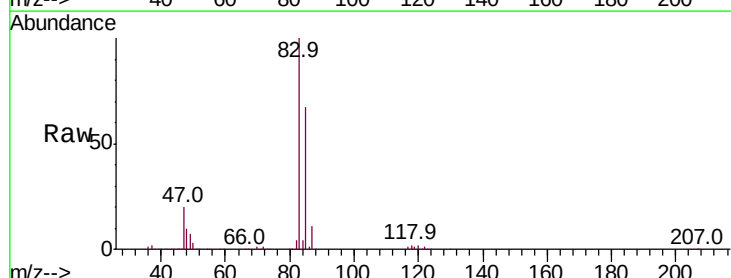
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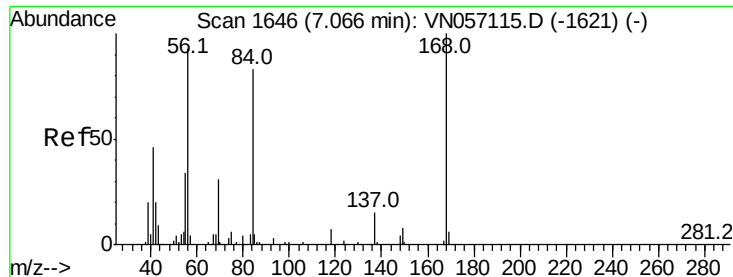
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#30
Chloroform
Concen: 96.558 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Tgt Ion: 83 Resp: 2027621
Ion Ratio Lower Upper
83 100
85 66.6 52.6 78.8





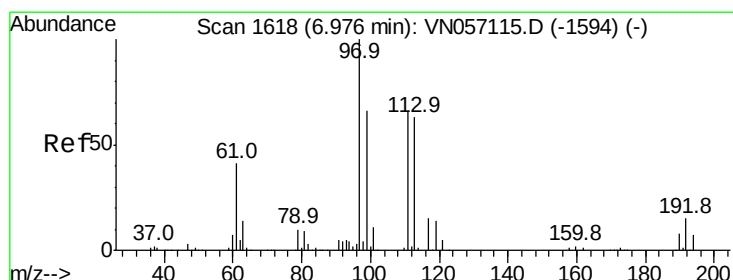
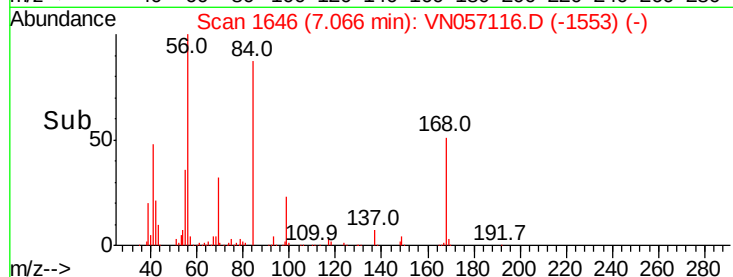
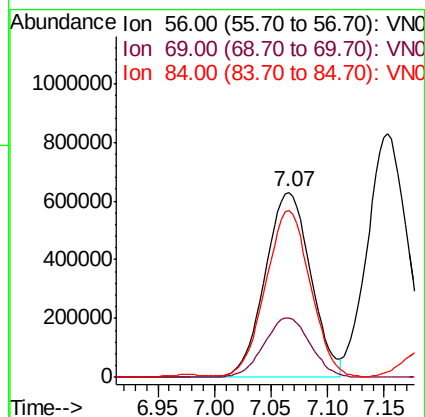
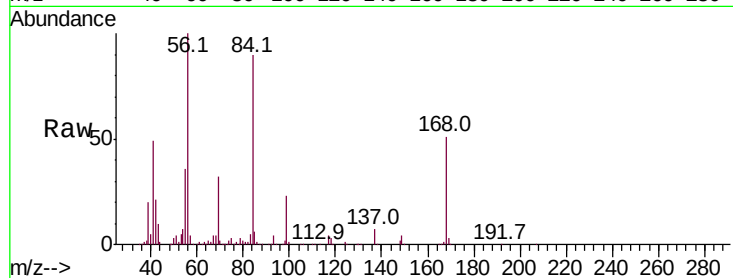
#31
Cyclohexane
Concen: 95.310 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	26.9	40.3
84	89.1	71.9	107.9

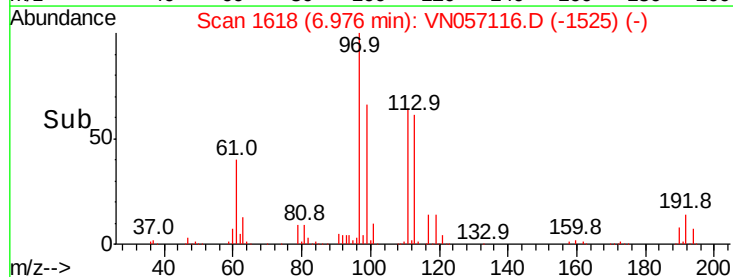
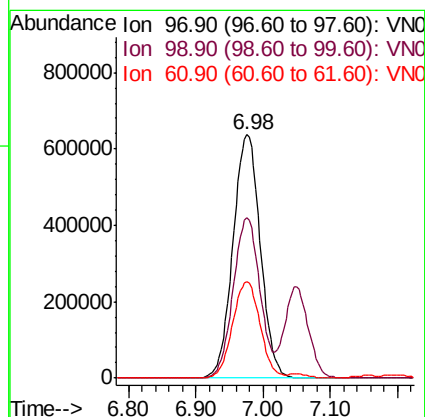
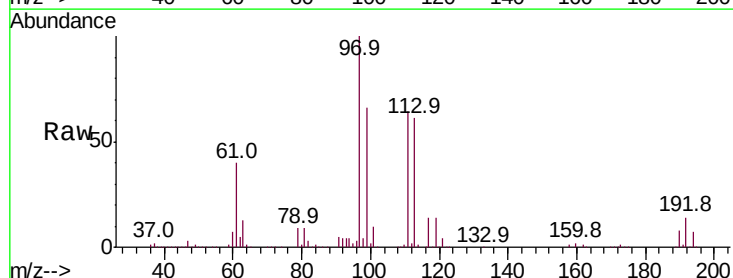
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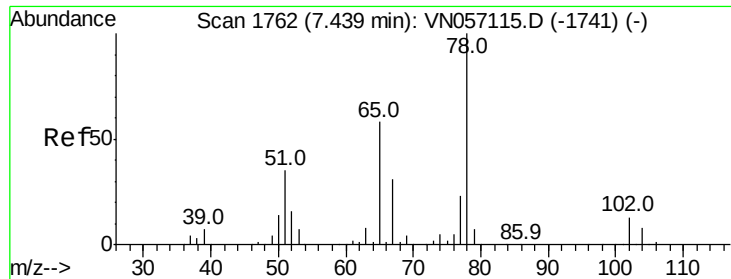
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#32
1,1,1-Trichloroethane
Concen: 102.357 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.8	77.6
61	40.1	32.7	49.1





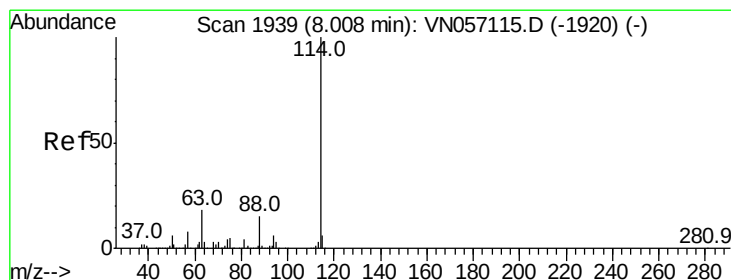
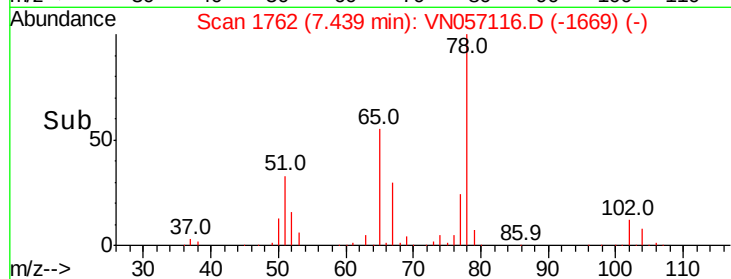
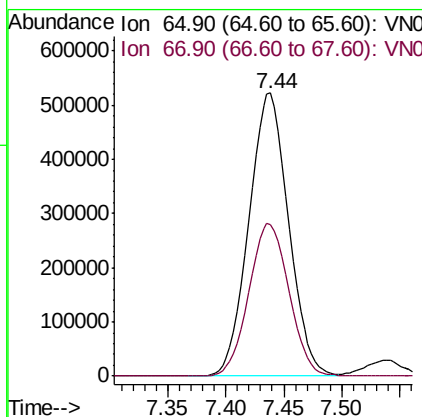
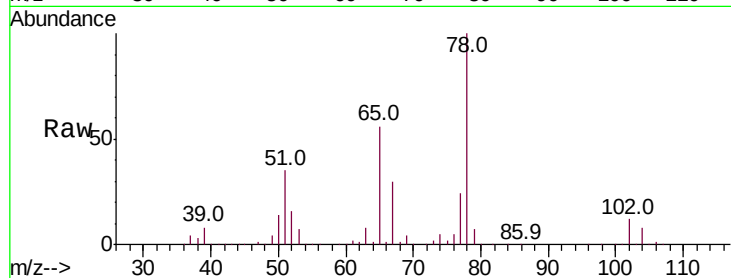
#33
 1,2-Dichloroethane-d4
 Concen: 97.307 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057116.D
 Acq: 7 Aug 2019 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 65 Resp: 1246858
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 108.2

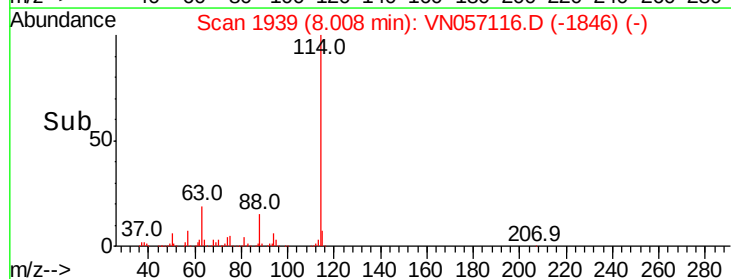
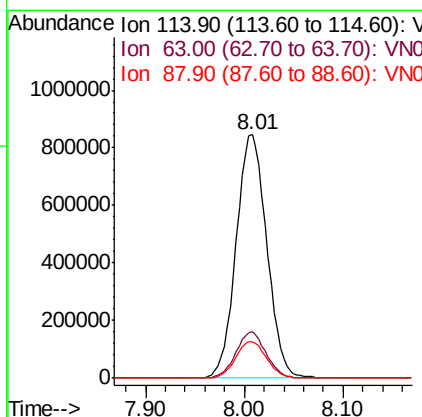
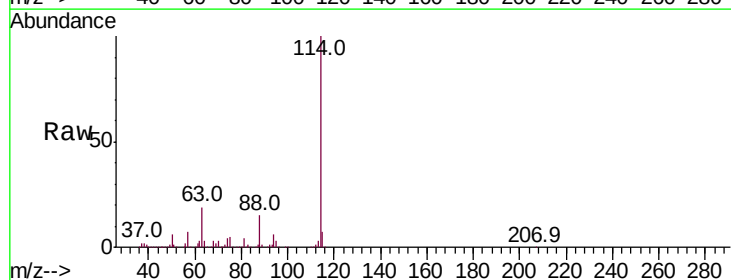
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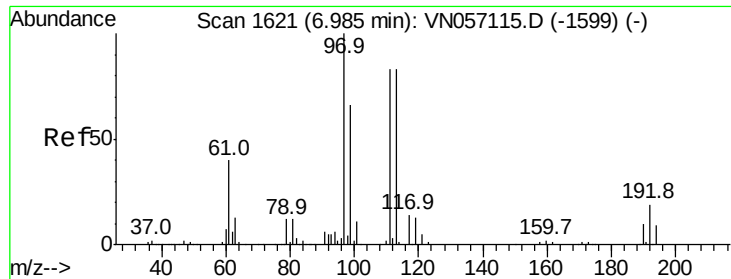
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057116.D
 Acq: 7 Aug 2019 20:33

Tgt Ion: 114 Resp: 1823752
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 36.2
 88 14.9 0.0 30.0





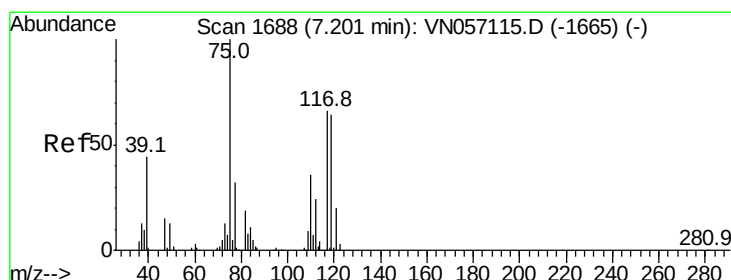
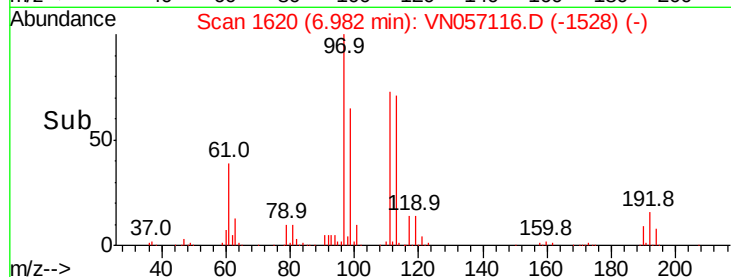
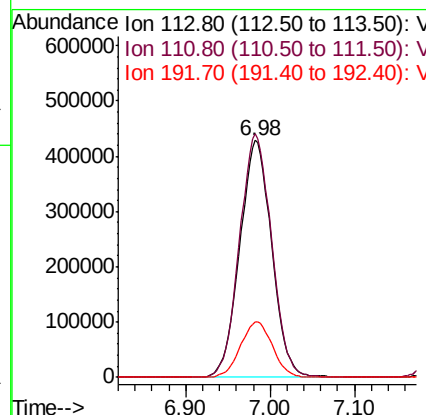
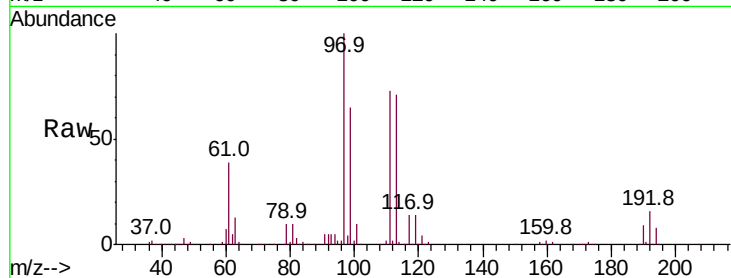
#35
 Dibromofluoromethane
 Concen: 98.468 ug/l
 RT: 6.98 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: VN057116.D
 Acq: 7 Aug 2019 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.3	121.9
192	23.5	19.0	28.4

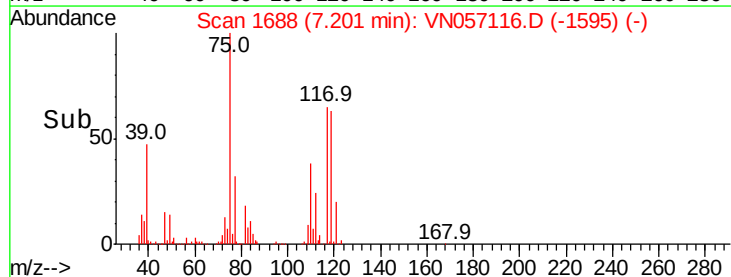
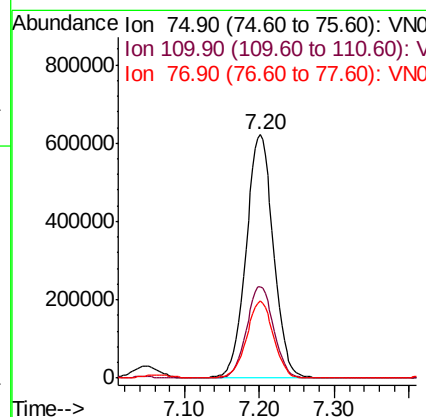
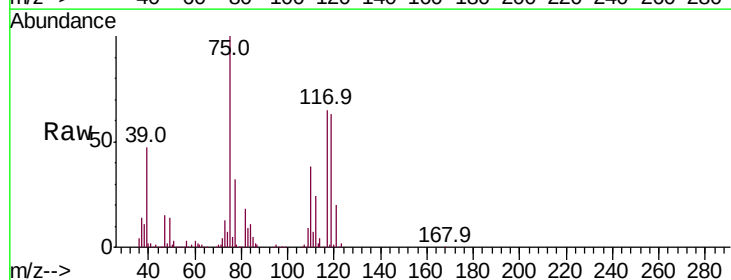
Manual Integrations
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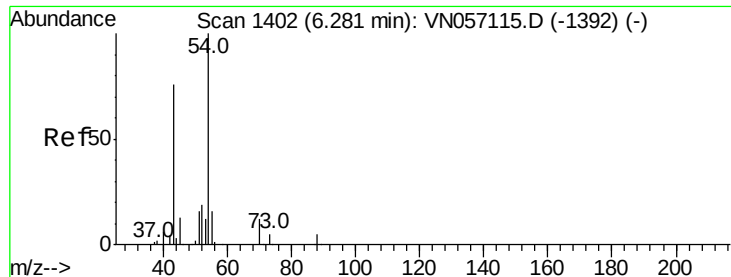
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#36
 1,1-Dichloropropene
 Concen: 99.154 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: VN057116.D
 Acq: 7 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.5	18.7	56.1
77	31.1	25.0	37.4





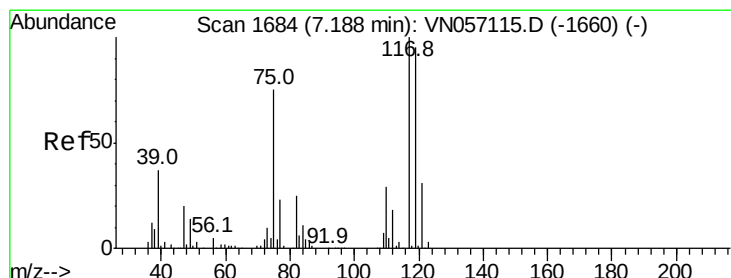
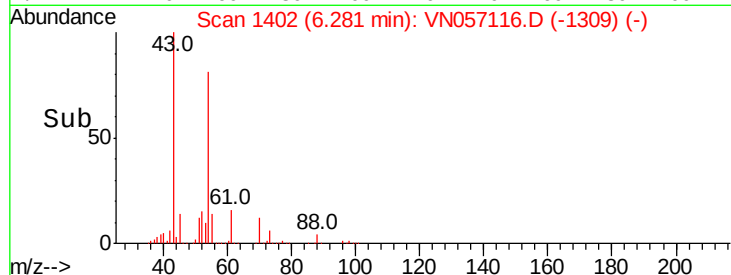
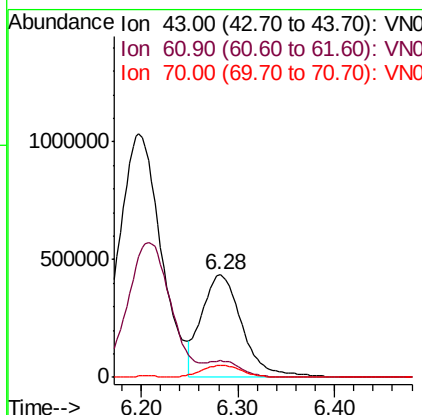
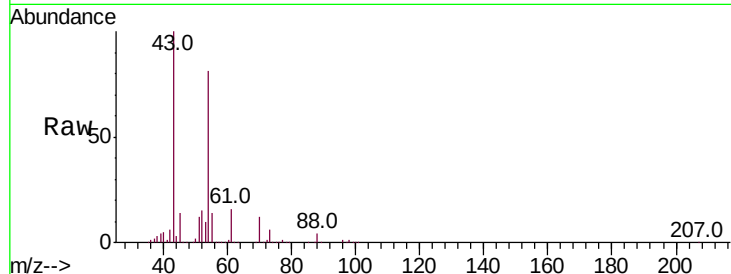
#37
Ethyl Acetate
Concen: 103.707 ug/l
RT: 6.28 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	11.7	9.1	13.7

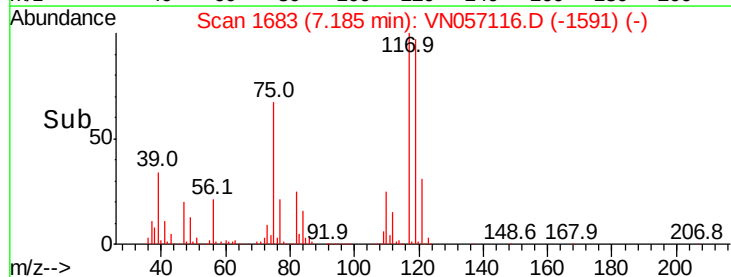
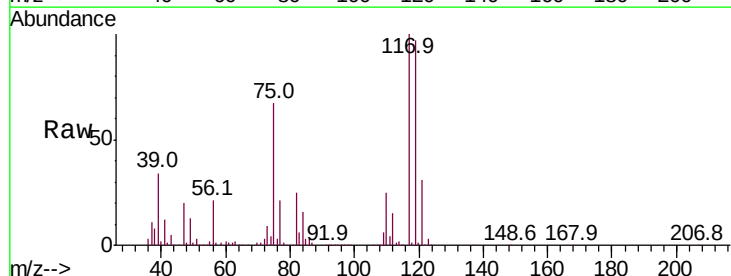
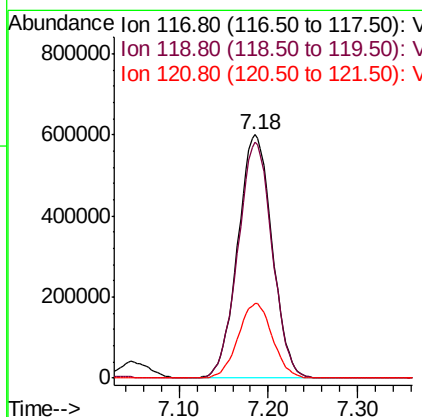
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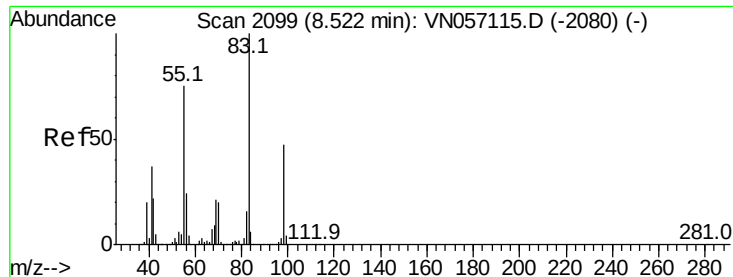
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#38
Carbon Tetrachloride
Concen: 105.214 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.8	113.6
121	30.7	24.4	36.6





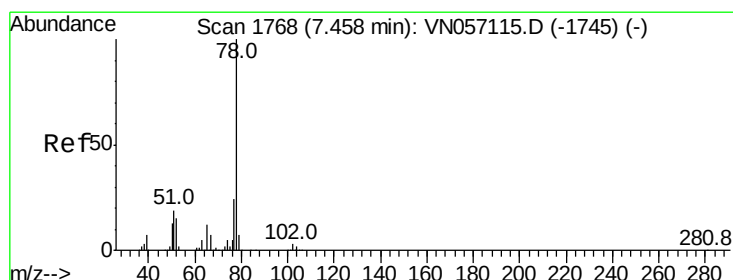
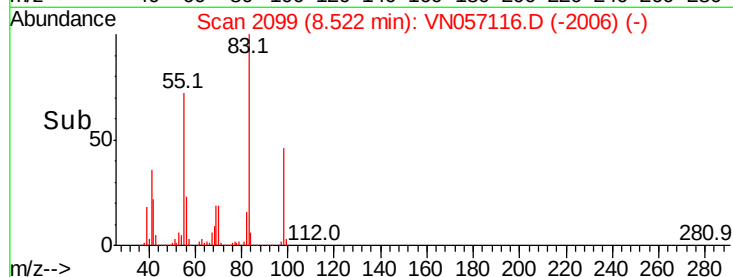
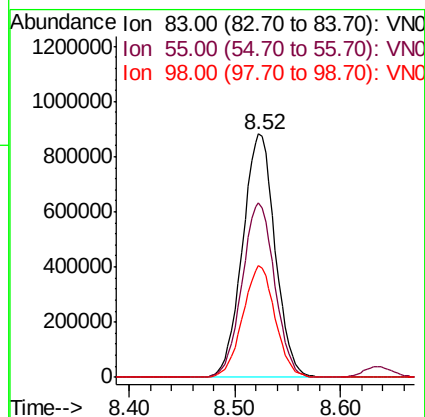
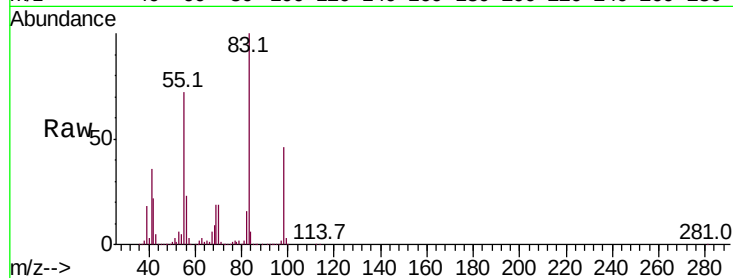
#39
Methylvlcyclohexane
Concen: 103.251 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.5	60.3	90.5
98	45.7	37.9	56.9

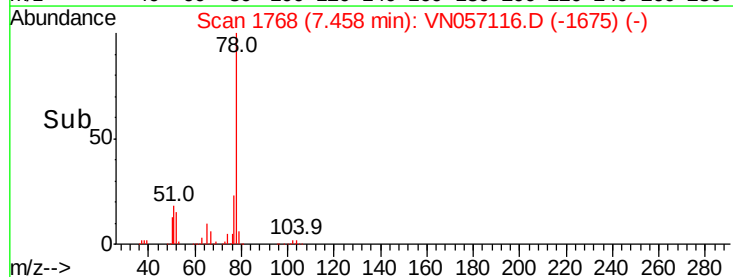
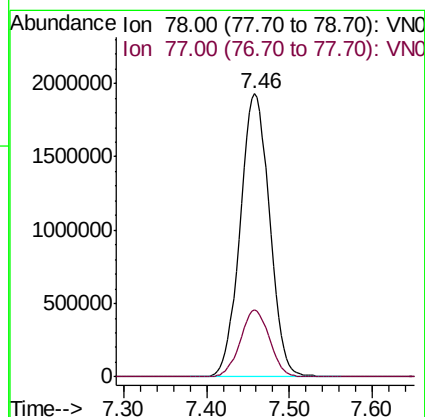
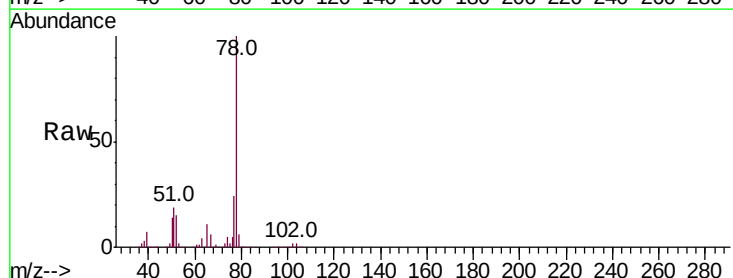
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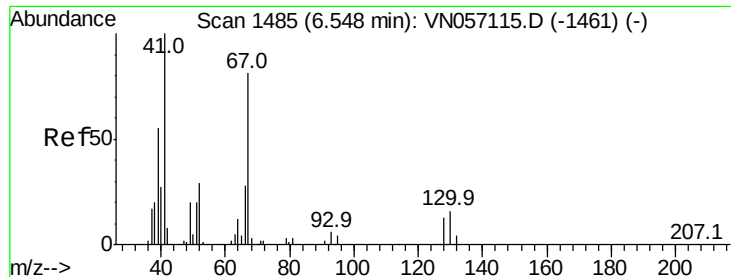
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#40
Benzene
Concen: 97.524 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





#41

Methacrylonitrile

Concen: 136.448 ug/l

RT: 6.55 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampled :

VSTDICC100

Tot Ion: 41 Resp: 693311
Ion Ratio Lower Upper

41 100

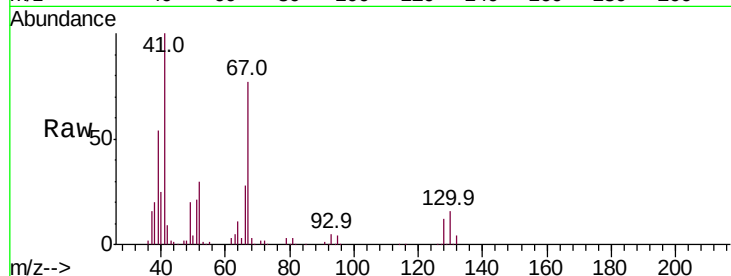
39 54.7 44.9 67.3

67 82.3 69.1 103.7

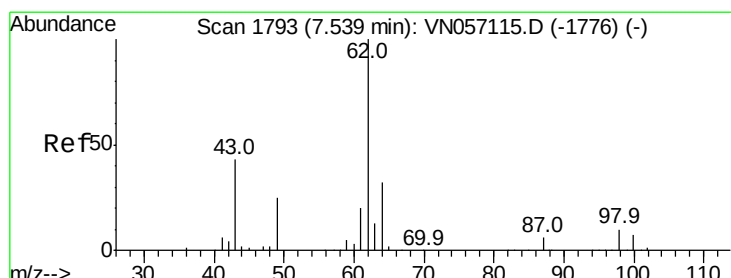
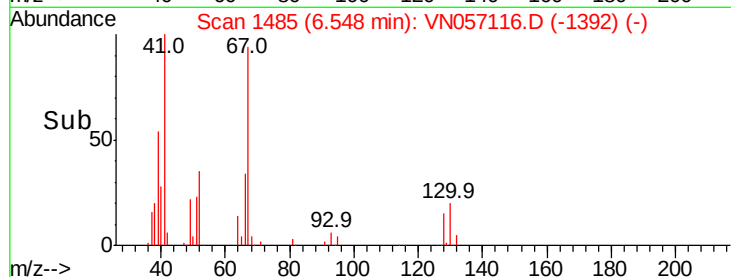
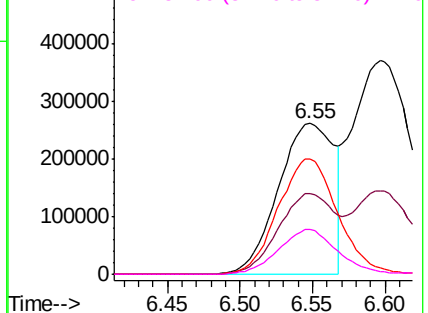
52 31.3 25.8 38.6

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 98.790 ug/l

RT: 7.54 min Scan# 1793

Delta R.T. -0.00 min

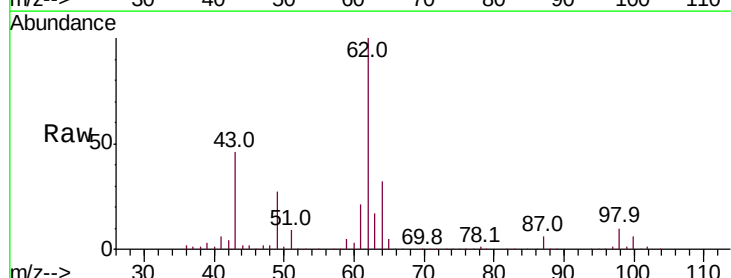
Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

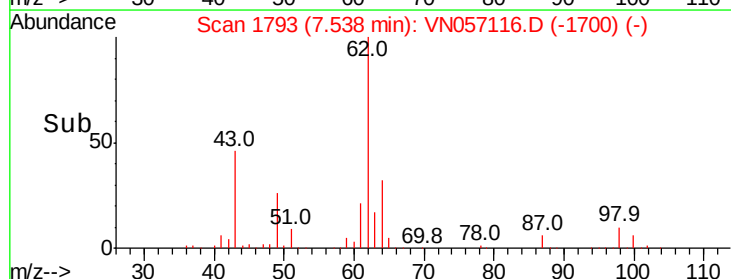
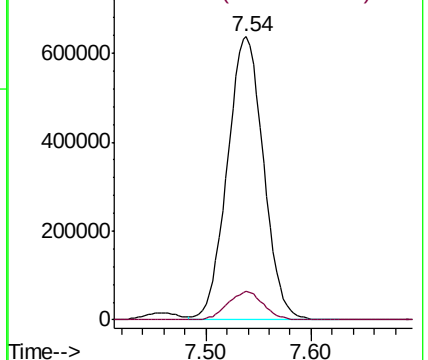
Tgt Ion: 62 Resp: 1512065
Ion Ratio Lower Upper

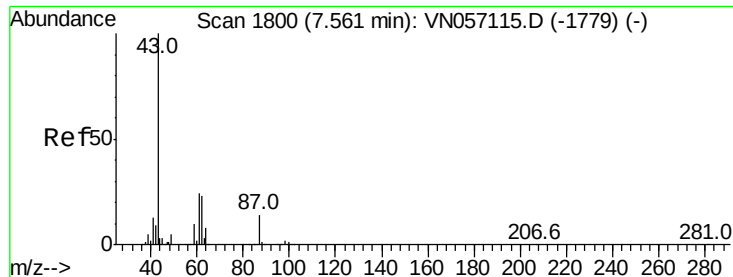
62 100

98 9.9 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 98.529 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2170091

Ion Ratio Lower Upper

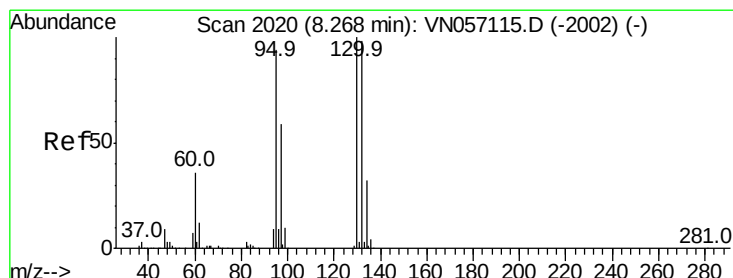
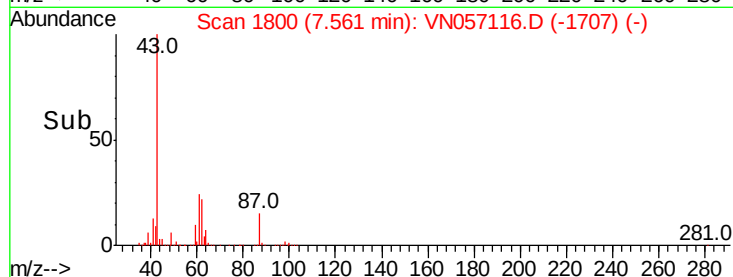
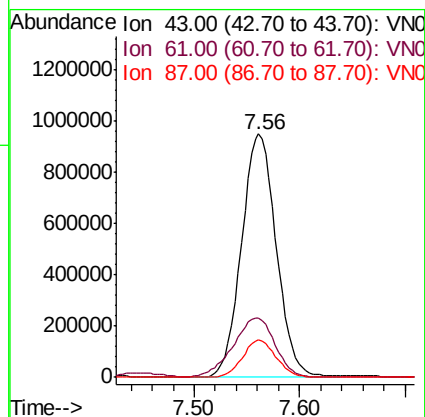
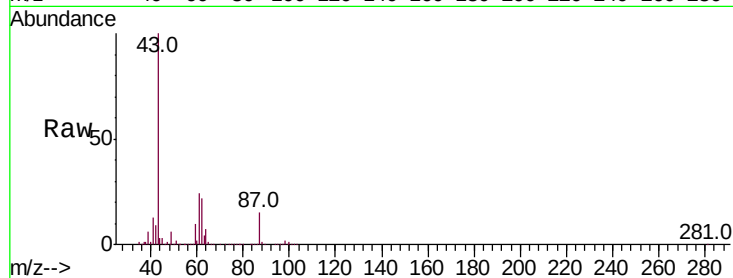
43 100

61 29.5 24.2 36.2

87 15.0 11.8 17.8

Manual Integrations
APPROVED

MMDadoda
8/8/2019 2:40:34 PM



#44

Trichloroethene

Concen: 100.732 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VN057116.D

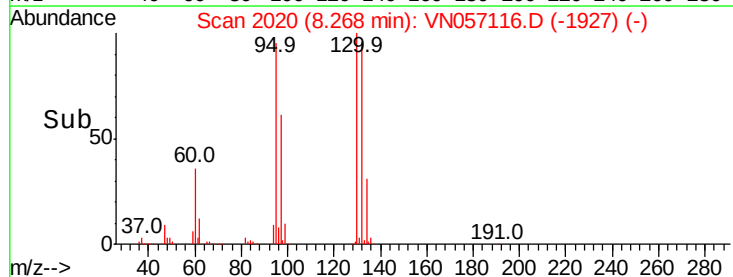
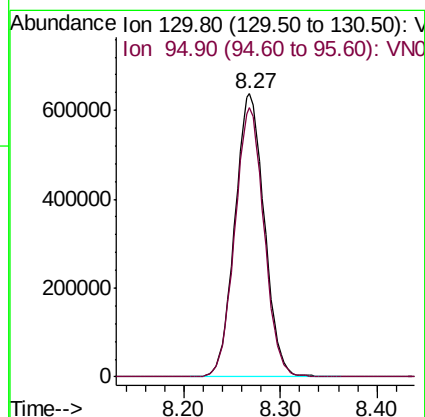
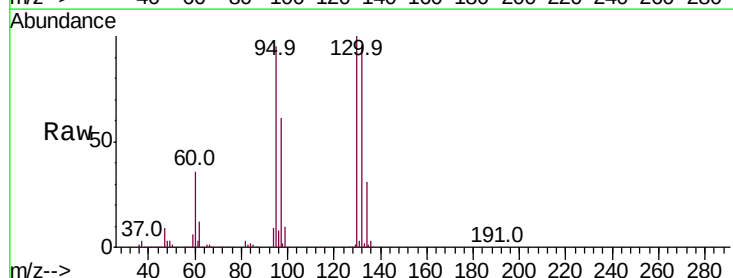
Acq: 7 Aug 2019 20:33

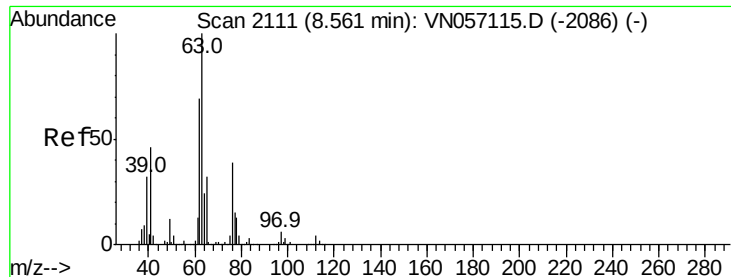
Tgt Ion:130 Resp: 1345629

Ion Ratio Lower Upper

130 100

95 94.9 0.0 187.4





#45

1,2-Dichloropropane

Concen: 97.990 ug/l

RT: 8.56 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 1239000

Ion Ratio Lower Upper

63 100

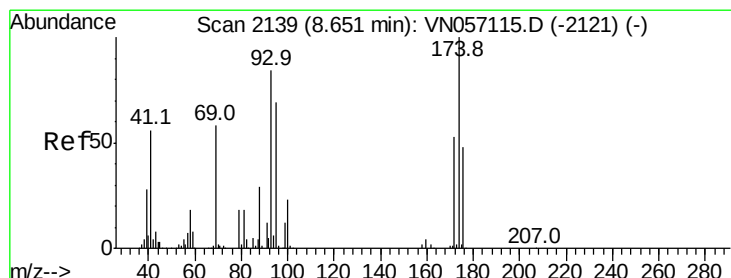
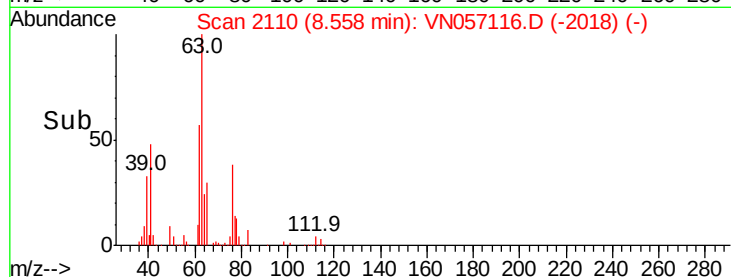
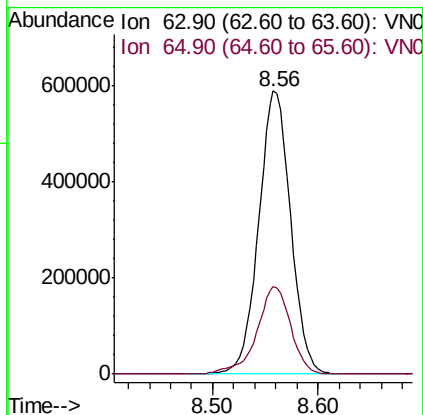
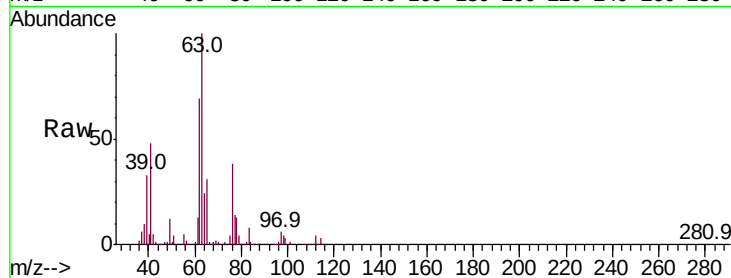
65 31.0 25.2 37.8

Manual Integrations

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#46

Dibromomethane

Concen: 102.633 ug/l

RT: 8.65 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

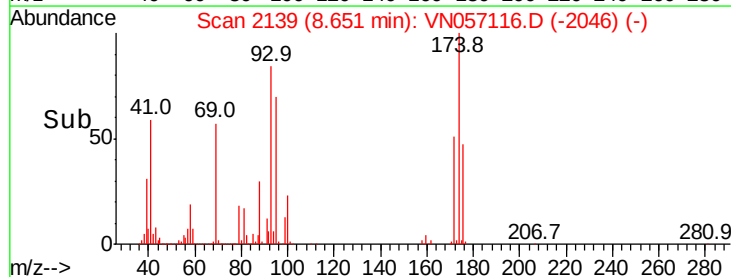
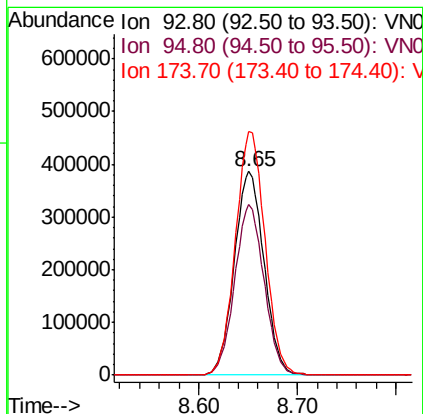
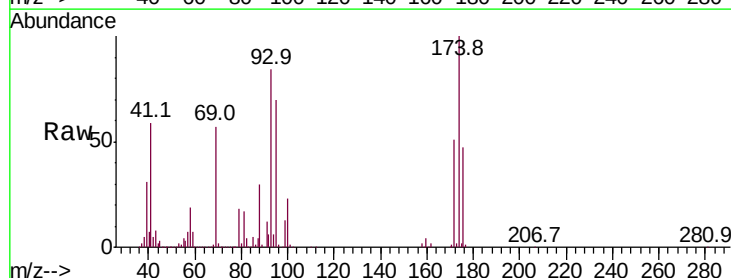
Tgt Ion: 93 Resp: 808081

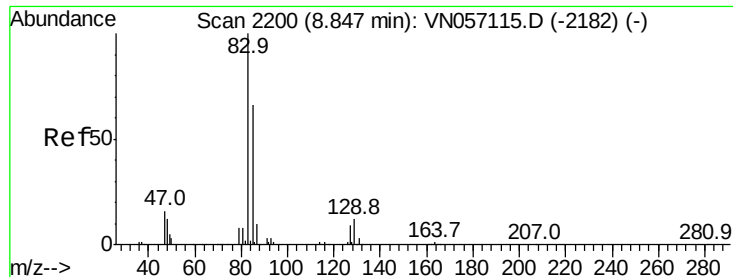
Ion Ratio Lower Upper

93 100

95 83.0 66.0 99.0

174 119.1 96.0 144.0





#47

Bromodichloromethane

Concen: 107.783 ug/l

RT: 8.85 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 83 Resp: 1627956

Ion Ratio Lower Upper

83 100

85 63.6 52.6 78.8

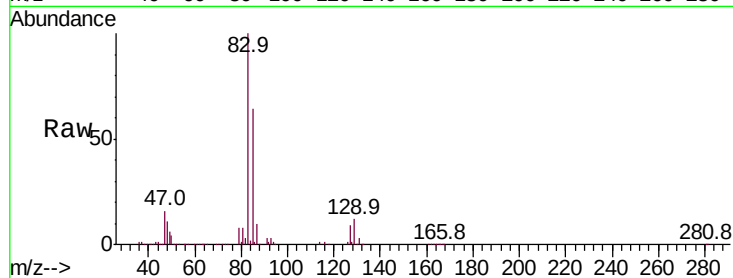
127 9.5 7.5 11.3

Manual Integrations

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MMDadoda

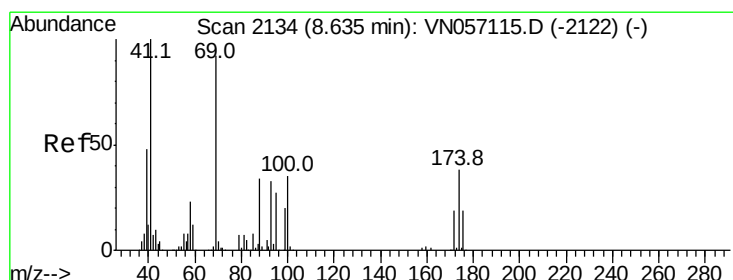
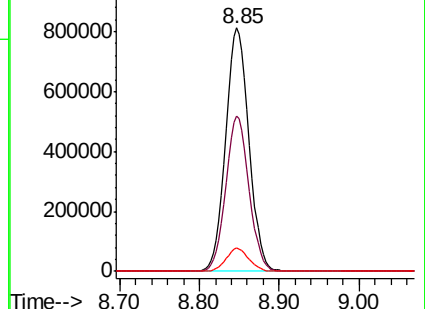
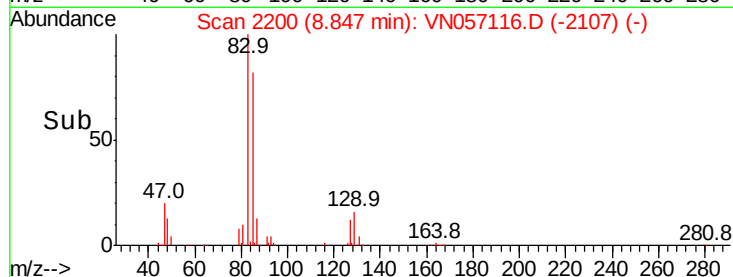
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 107.014 ug/l

RT: 8.63 min Scan# 2134

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

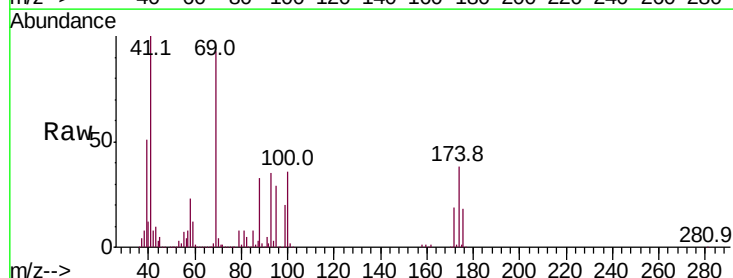
Tgt Ion: 41 Resp: 1037188

Ion Ratio Lower Upper

41 100

69 96.7 77.5 116.3

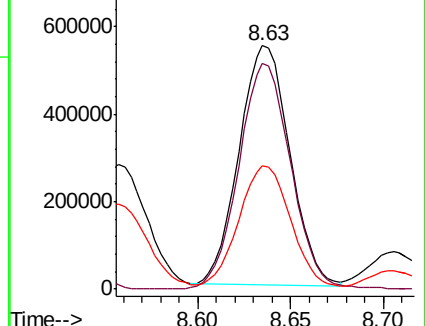
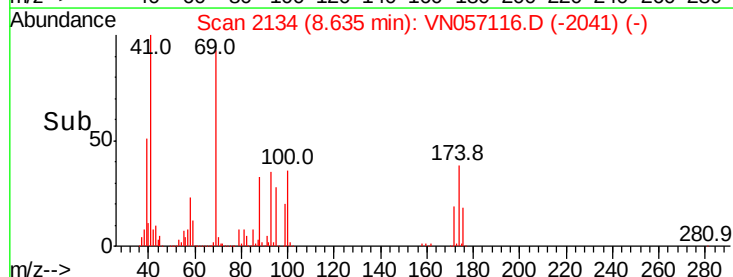
39 50.7 39.8 59.6

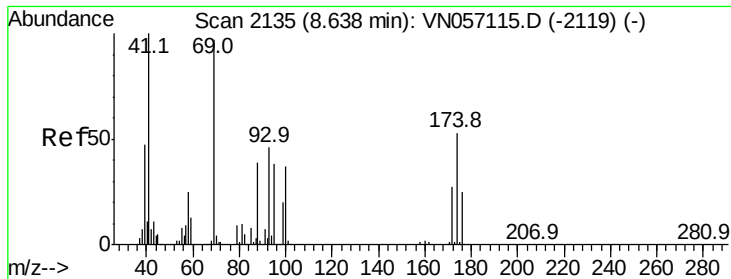


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





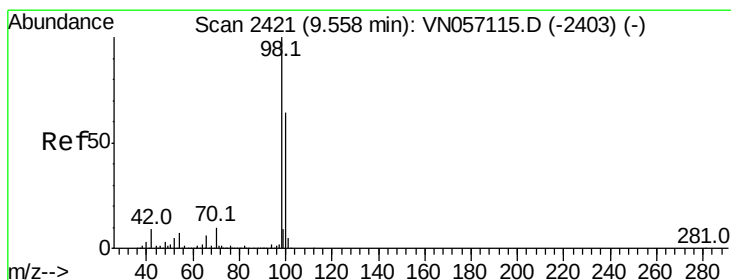
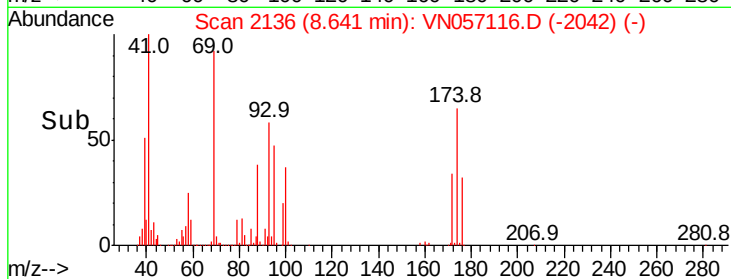
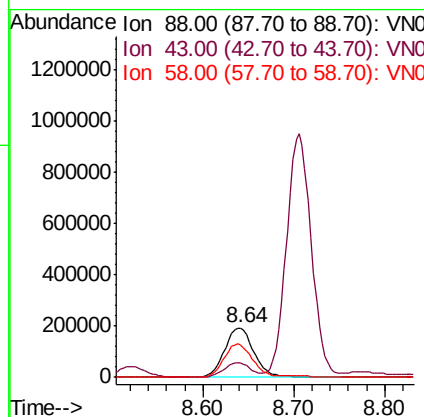
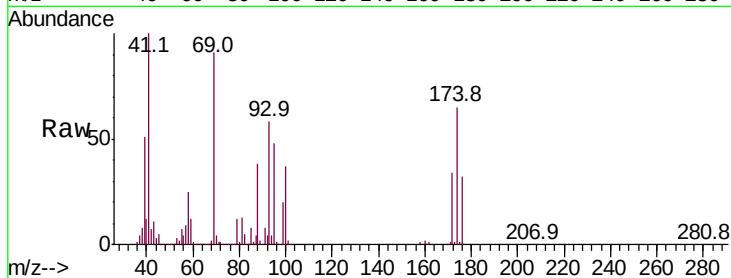
#49
1,4-Dioxane
Concen: 2198.241 ug/l
RT: 8.64 min Scan# 2136
Delta R.T. 0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.8	21.7	32.5
58	66.0	51.1	76.7

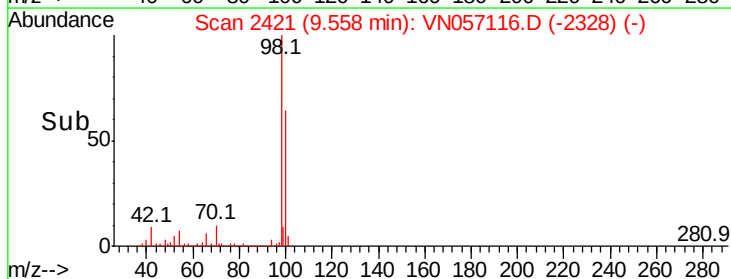
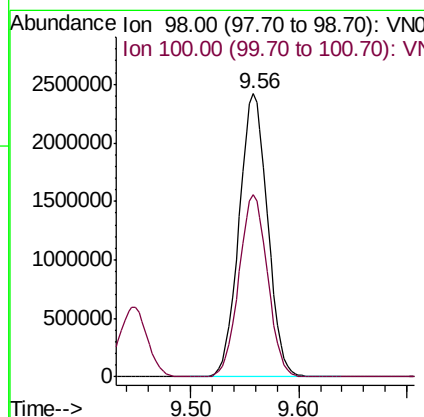
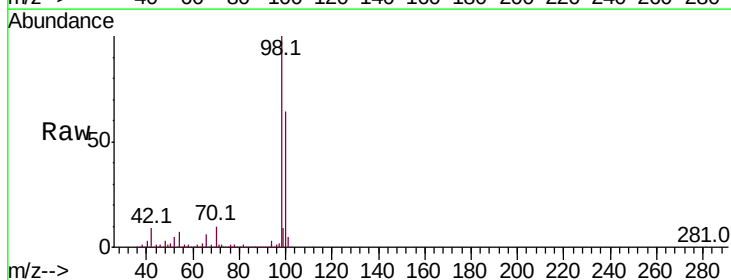
Manual Integrations
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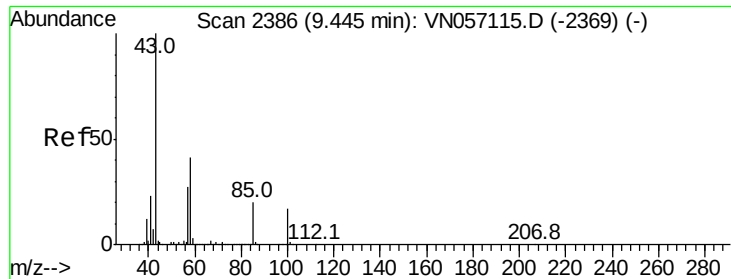
MMDadoda
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#50
Toluene-d8
Concen: 102.784 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 593.108 ug/l

RT: 9.45 min Scan# 2386

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 6524432

Ion Ratio Lower Upper

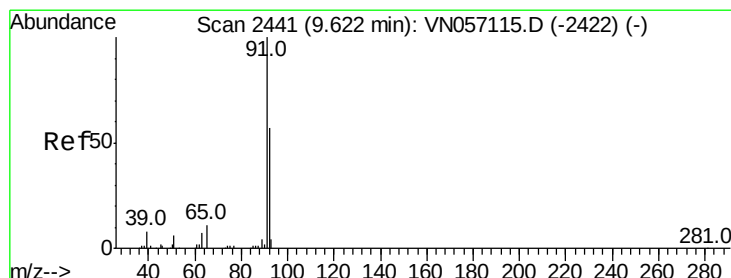
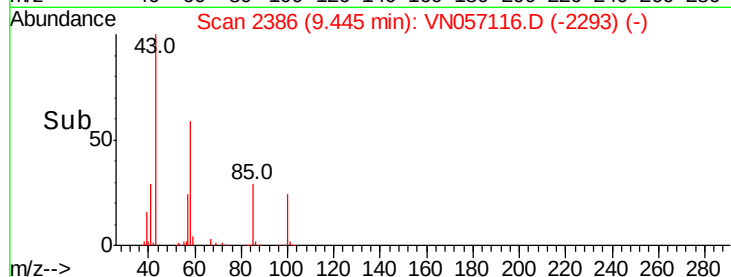
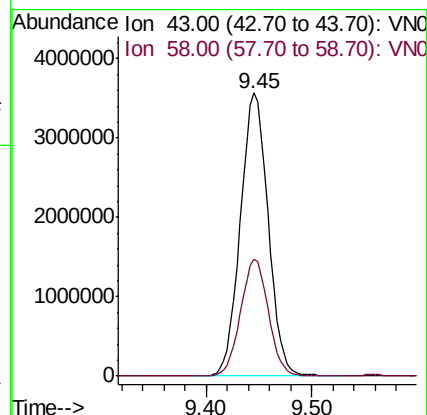
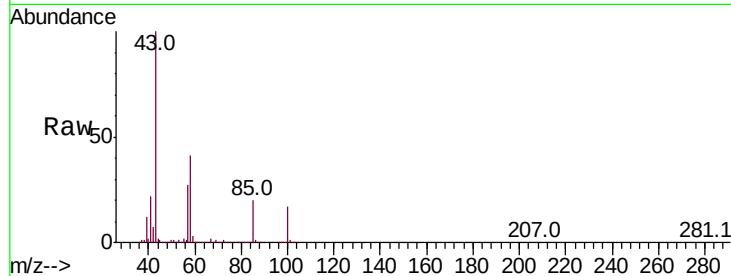
43 100

58 41.3 33.2 49.8

Manual Integrations
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#52

Toluene

Concen: 102.763 ug/l

RT: 9.63 min Scan# 2442

Delta R.T. 0.00 min

Lab File: VN057116.D

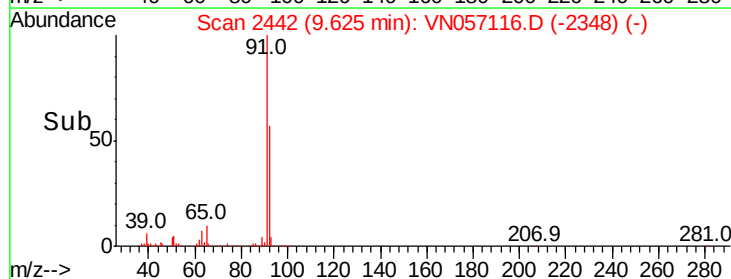
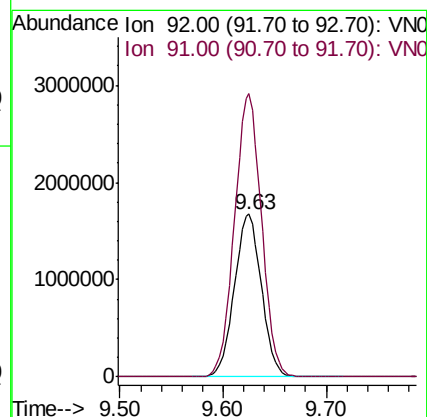
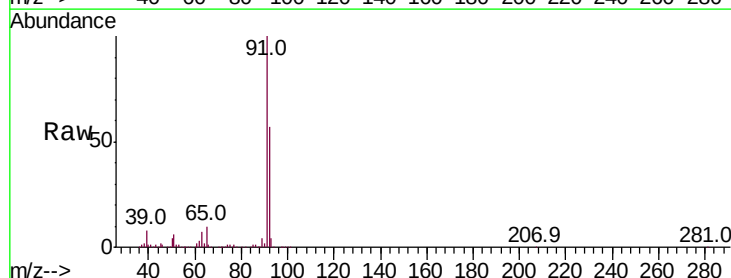
Acq: 7 Aug 2019 20:33

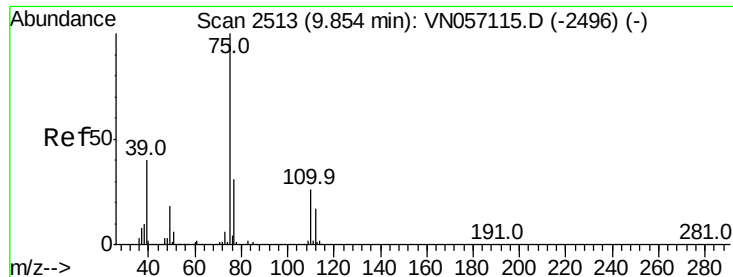
Tgt Ion: 92 Resp: 3050508

Ion Ratio Lower Upper

92 100

91 174.4 139.8 209.8





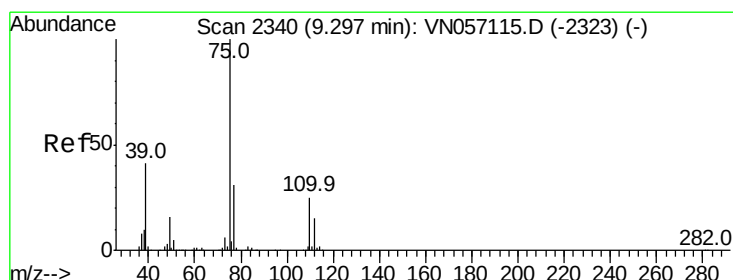
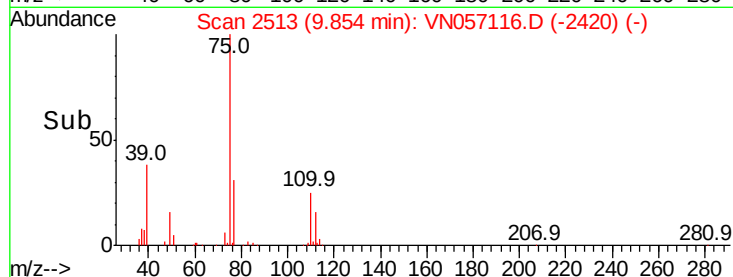
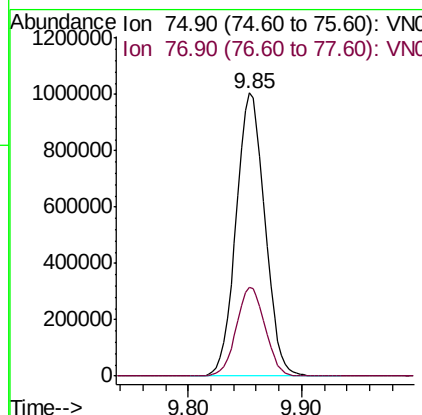
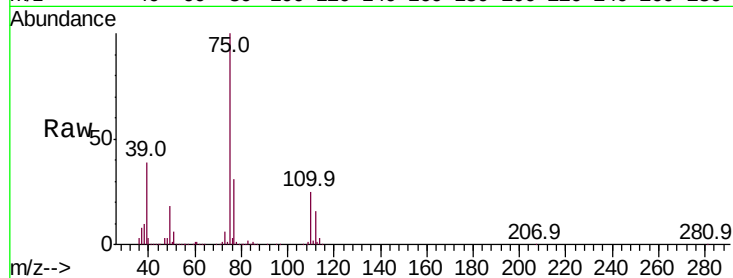
#53
t-1,3-Dichloropropene
Concen: 112.426 ug/l
RT: 9.85 min Scan# 2513
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 1781290
Ion Ratio Lower Upper
75 100
77 31.4 24.8 37.2

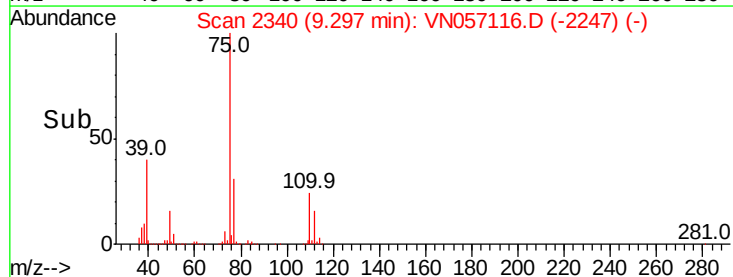
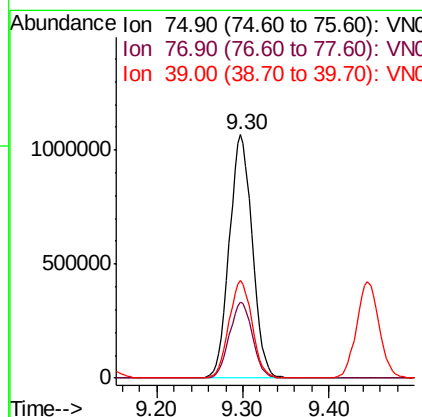
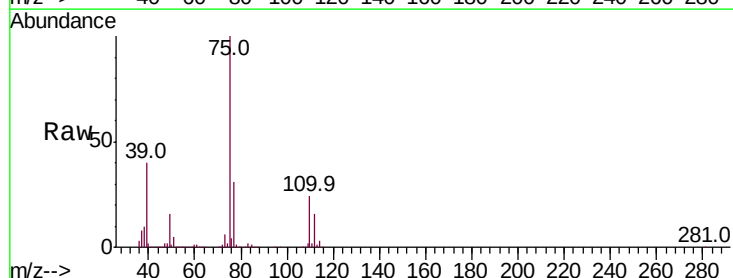
Manual Integrations
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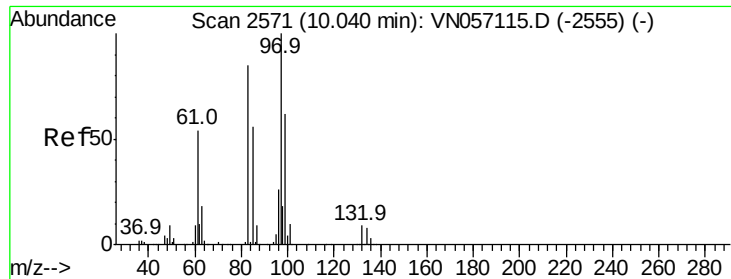
MMDadoda
8/8/2019 2:40:34 PM



#54
cis-1,3-Dichloropropene
Concen: 106.411 ug/l
RT: 9.30 min Scan# 2340
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Tgt Ion: 75 Resp: 1976873
Ion Ratio Lower Upper
75 100
77 31.3 25.1 37.7
39 40.1 32.5 48.7





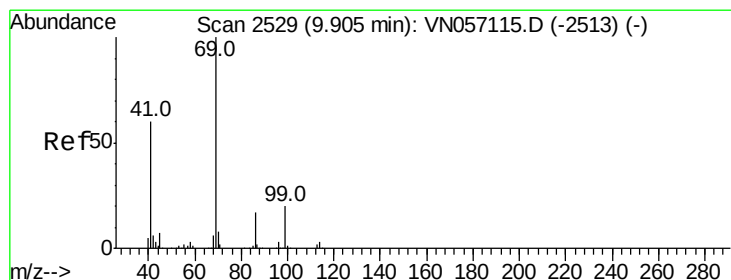
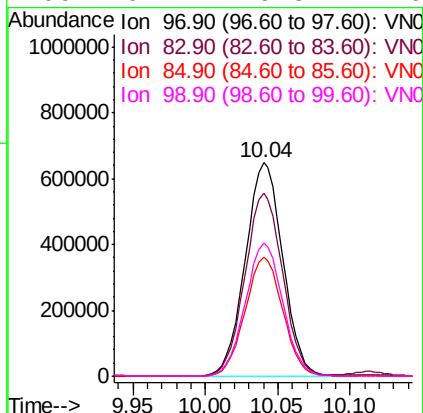
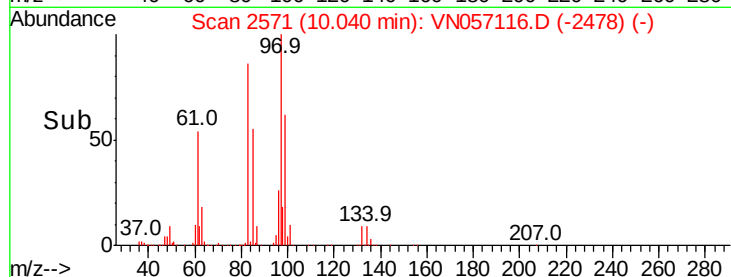
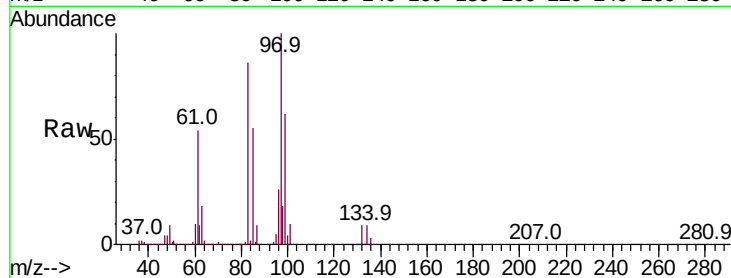
#55
1,1,2-Trichloroethane
Concen: 103.369 ug/l
RT: 10.04 min Scan# 2571
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.8	101.8
85	55.5	44.4	66.6
99	62.4	49.8	74.6

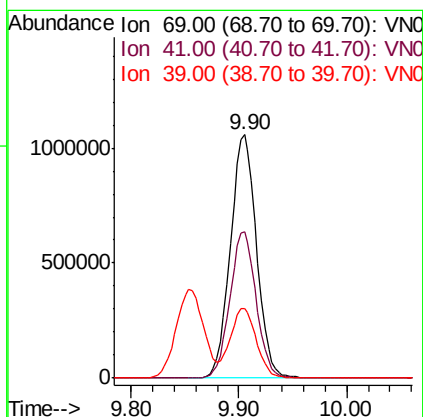
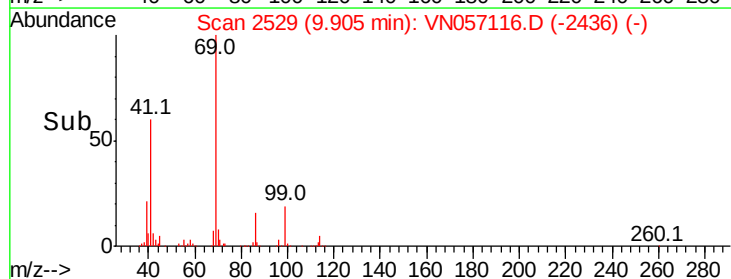
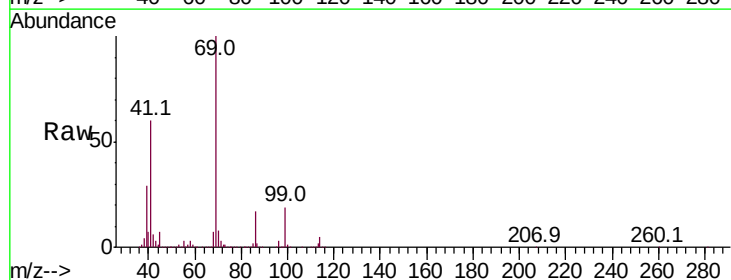
Manual Integrations
APPROVED

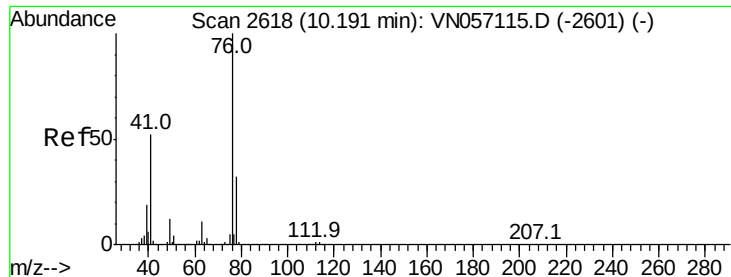
MMDadoda
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#56
Ethyl methacrylate
Concen: 115.121 ug/l
RT: 9.90 min Scan# 2529
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.8	48.1	72.1
39	29.1	23.6	35.4





#57

1,3-Dichloropropane

Concen: 103.431 ug/l

RT: 10.19 min Scan# 2618

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1945325

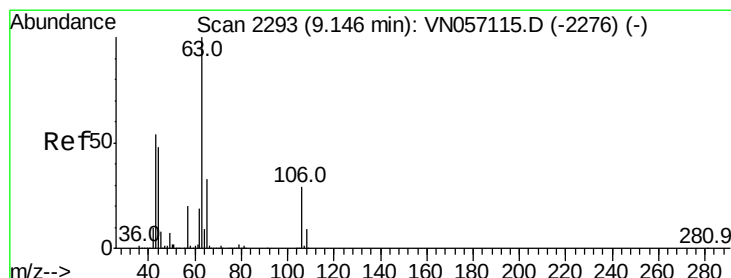
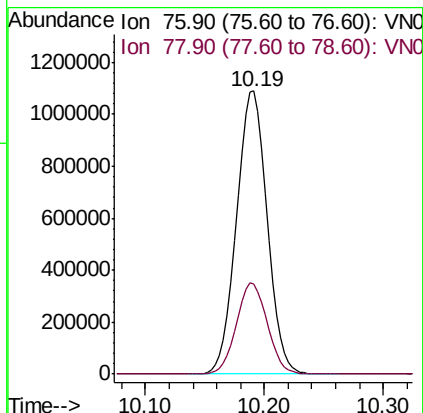
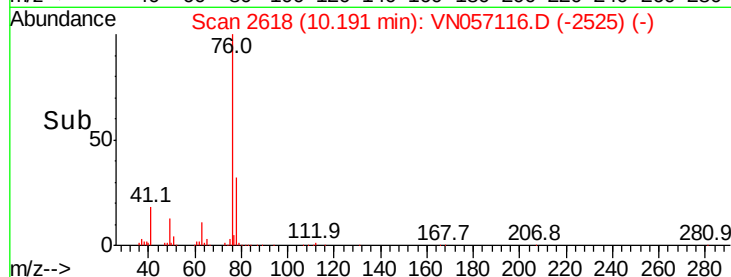
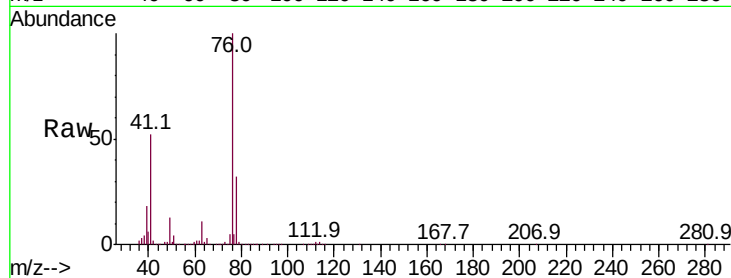
Ion Ratio Lower Upper

76 100

78 32.6 25.9 38.9

Manual Integrations
APPROVED

MMDadoda
8/8/2019 2:40:34 PM



#58

2-Chloroethyl Vinyl ether

Concen: 588.710 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VN057116.D

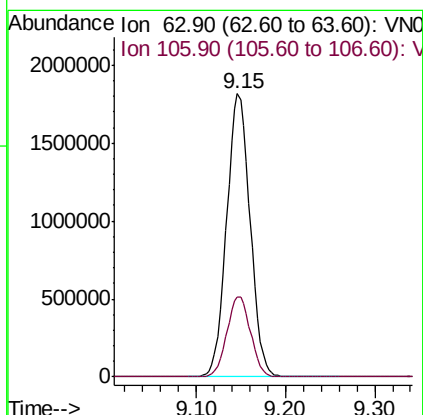
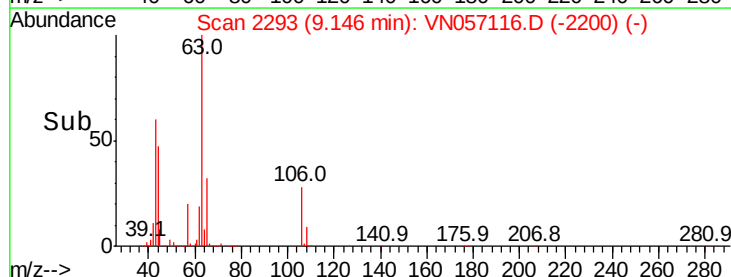
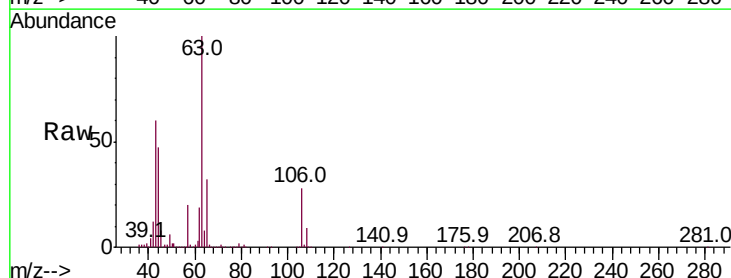
Acq: 7 Aug 2019 20:33

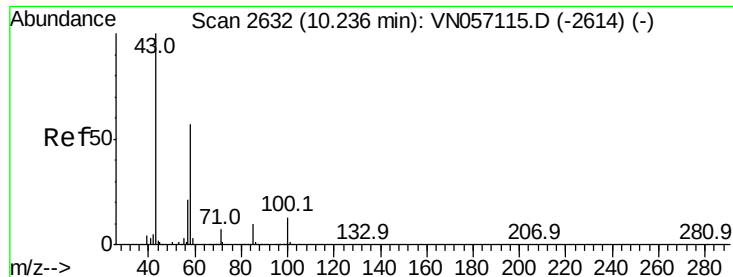
Tgt Ion: 63 Resp: 3296612

Ion Ratio Lower Upper

63 100

106 28.6 22.6 33.8





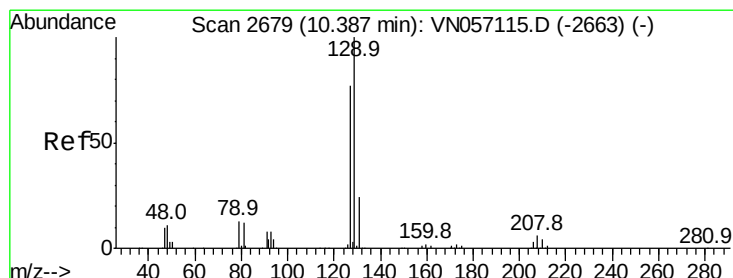
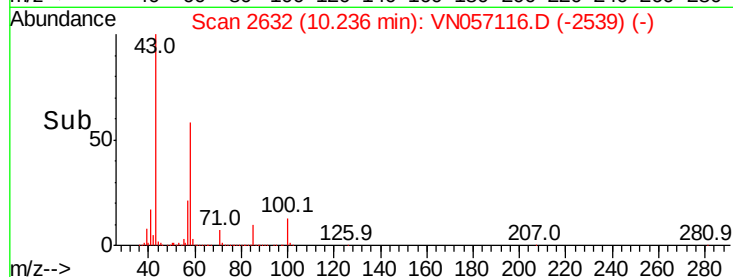
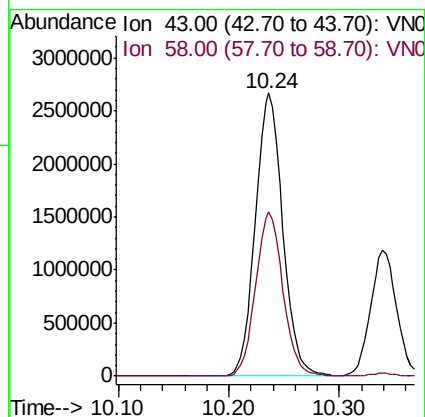
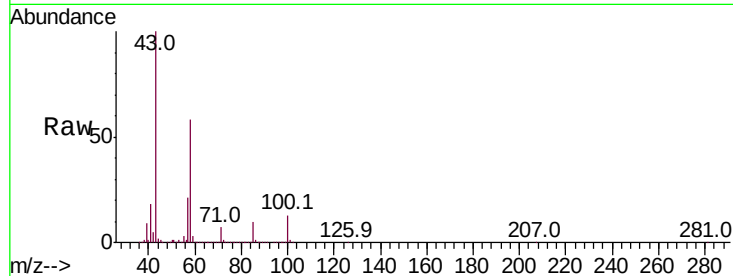
#59
2-Hexanone
Concen: 580.678 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 4582773
Ion Ratio Lower Upper
43 100
58 57.9 29.2 87.6

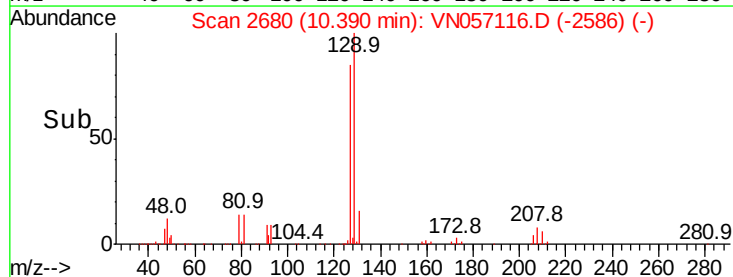
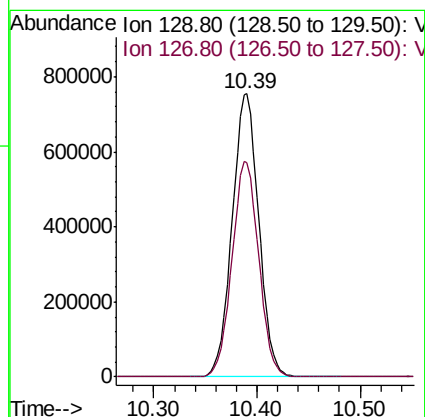
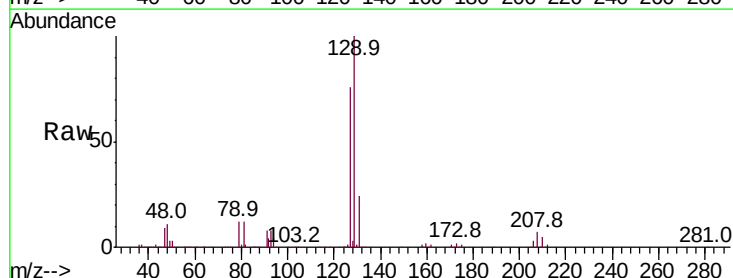
Manual Integrations
APPROVED

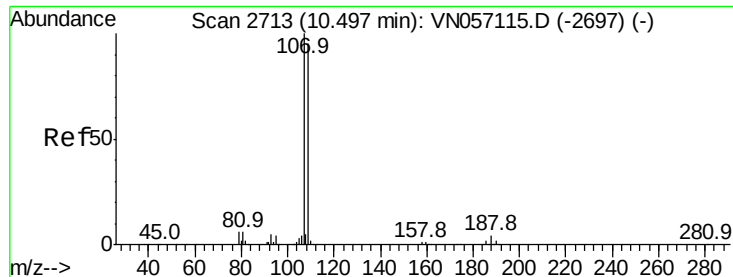
MMDadoda
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#60
Dibromochloromethane
Concen: 115.209 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Tgt Ion: 129 Resp: 1358023
Ion Ratio Lower Upper
129 100
127 76.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 108.182 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 1251741

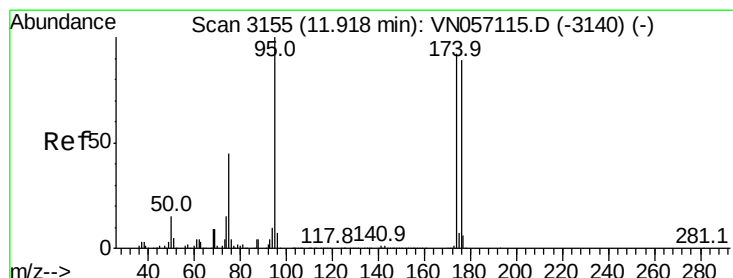
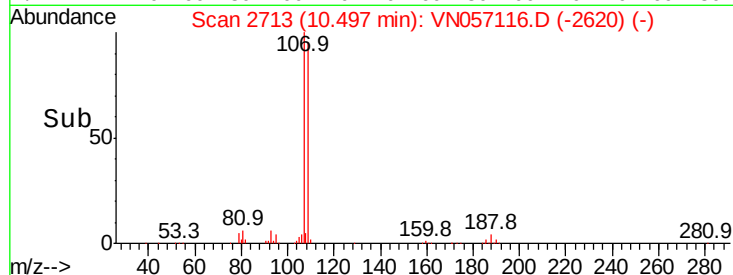
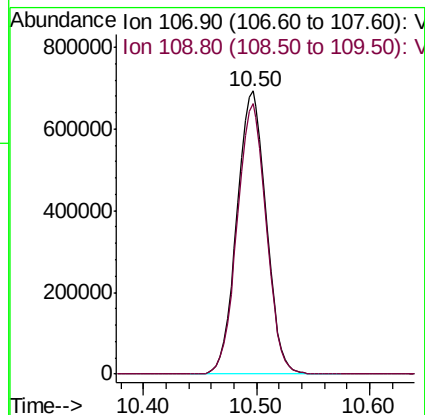
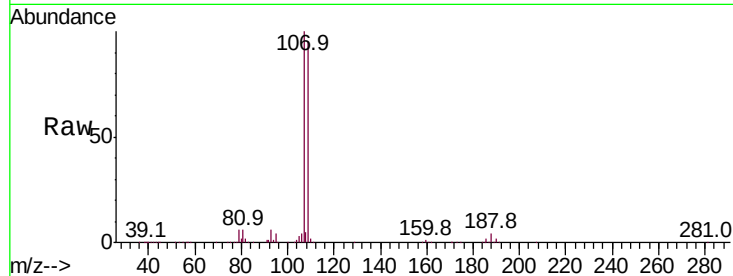
Ion Ratio Lower Upper

107 100

109 95.0 75.6 113.4

Manual Integrations
APPROVED

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#62

4-Bromofluorobenzene

Concen: 111.087 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

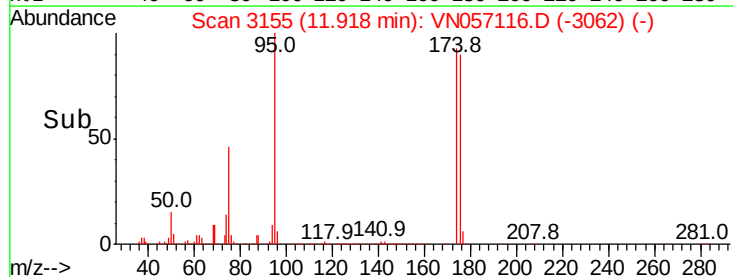
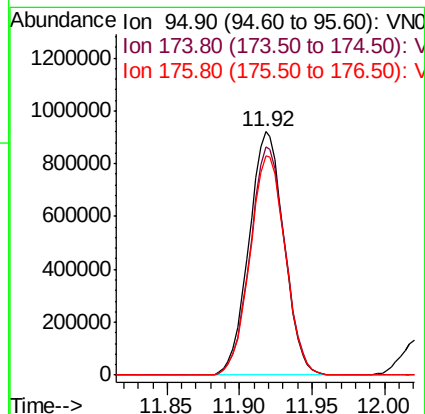
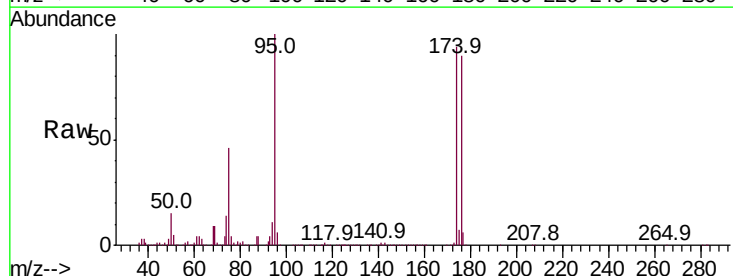
Tgt Ion: 95 Resp: 1547261

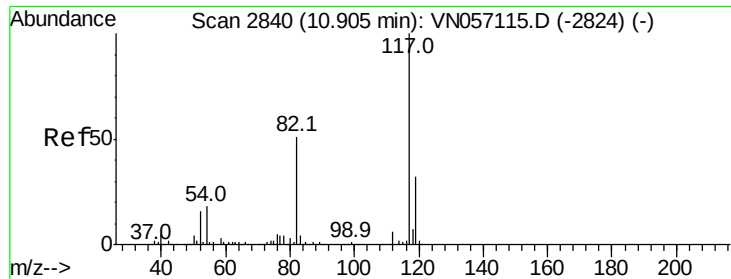
Ion Ratio Lower Upper

95 100

174 93.7 0.0 185.0

176 90.9 0.0 181.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:117 Resp: 1687697

Ion Ratio Lower Upper

117 100

82 52.4 40.8 61.2

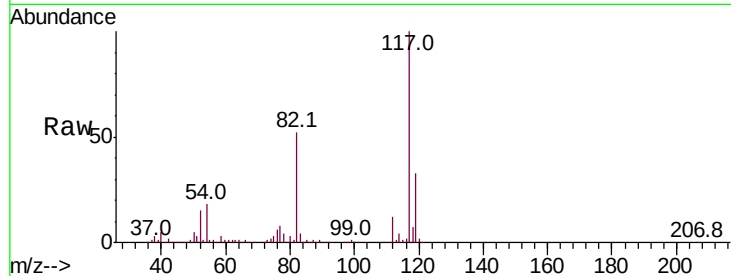
119 33.0 25.7 38.5

Manual Integrations

APPROVED

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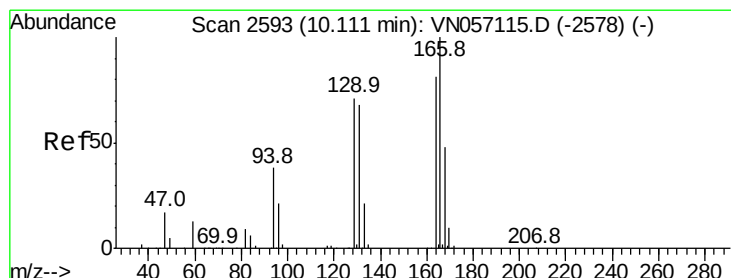
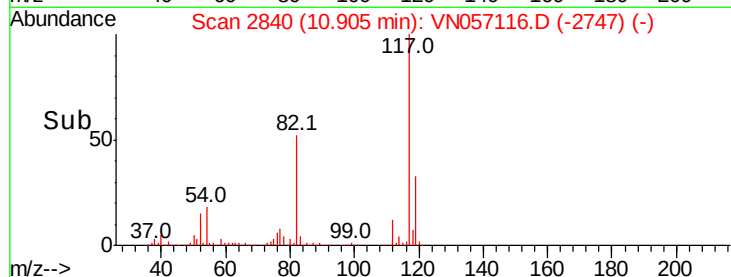
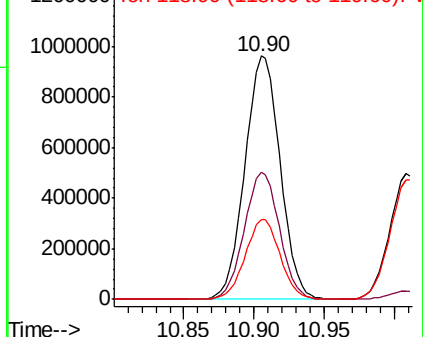
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 92.657 ug/l

RT: 10.11 min Scan# 2594

Delta R.T. 0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Tgt Ion:164 Resp: 1315559

Ion Ratio Lower Upper

164 100

166 128.0 98.3 147.5

129 89.3 69.8 104.6

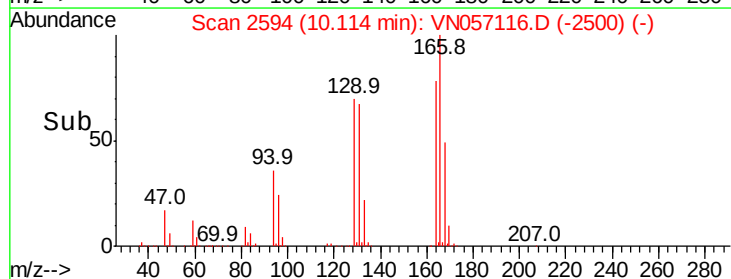
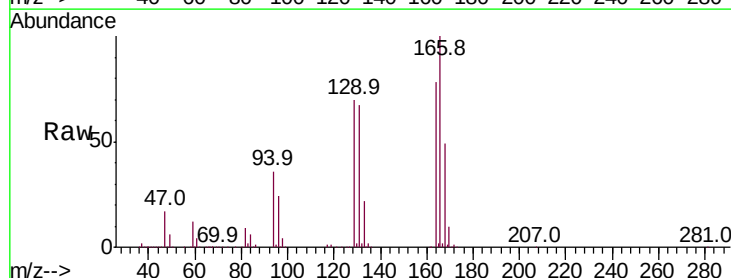
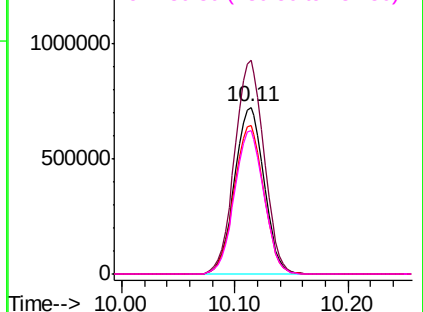
131 85.8 66.8 100.2

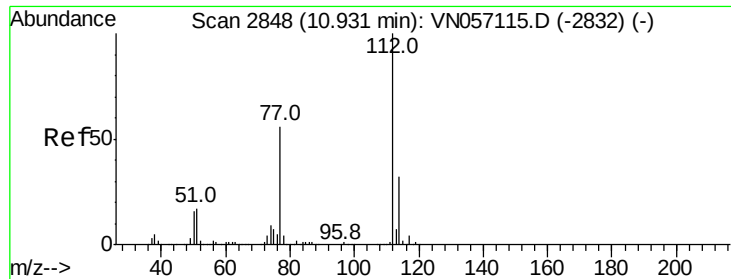
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 100.085 ug/l

RT: 10.93 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 3410133

Ion Ratio Lower Upper

112 100

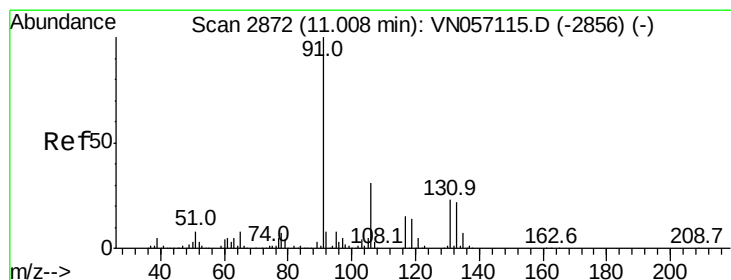
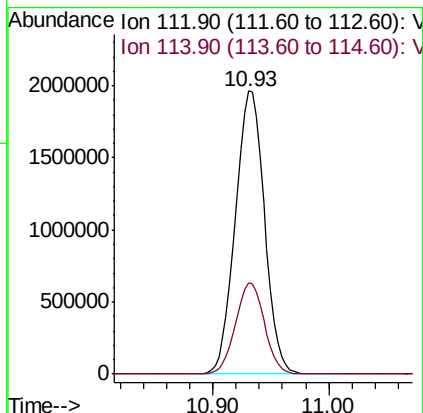
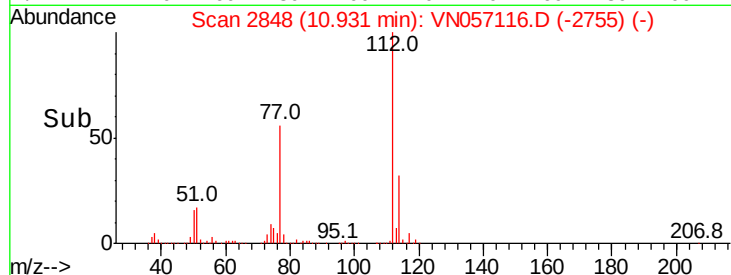
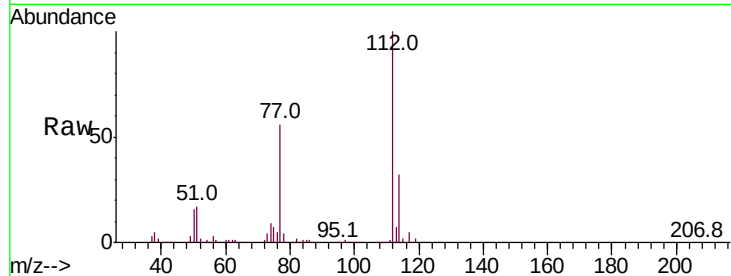
114 32.1 25.4 38.2

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 101.903 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

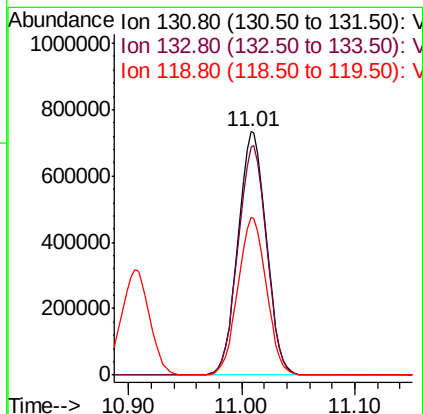
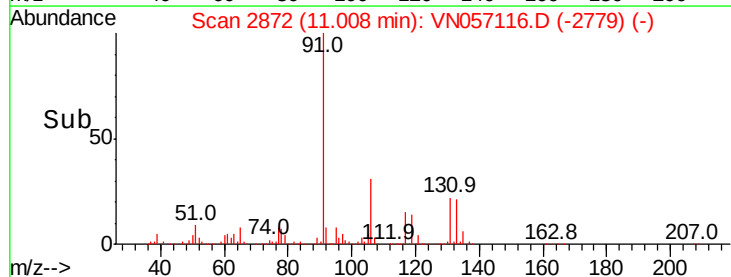
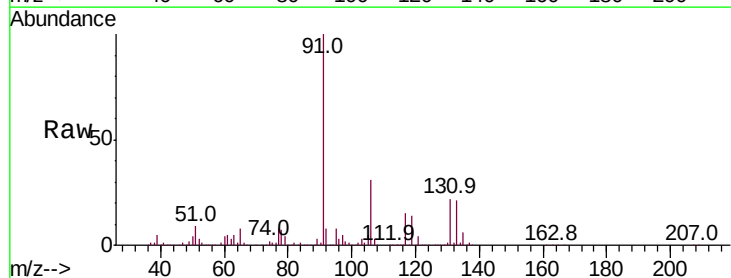
Tgt Ion:131 Resp: 1279315

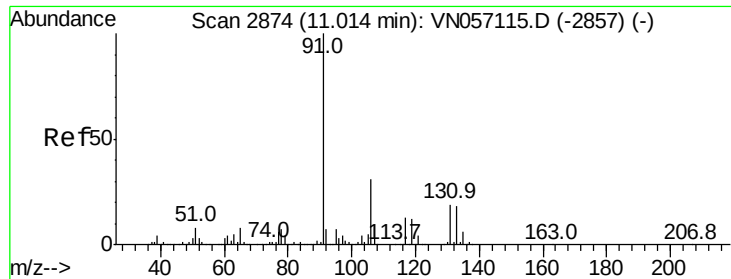
Ion Ratio Lower Upper

131 100

133 95.6 47.6 142.8

119 65.2 32.6 97.7





#67

Ethyl Benzene

Concen: 102.757 ug/l

RT: 11.01 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 6026657

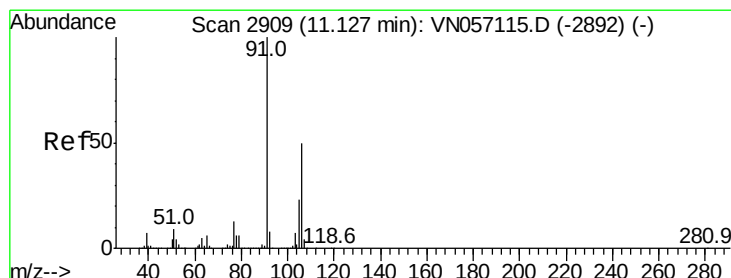
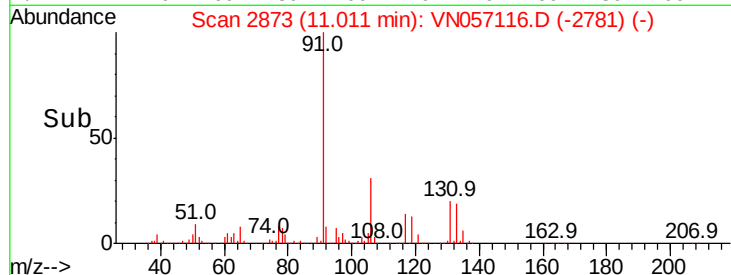
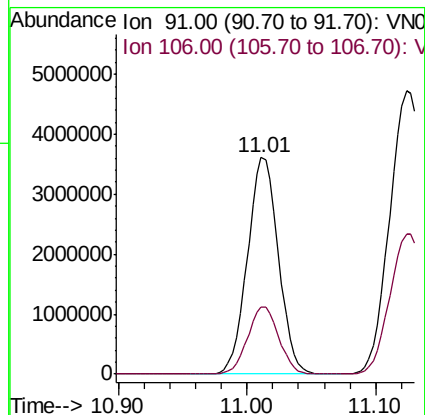
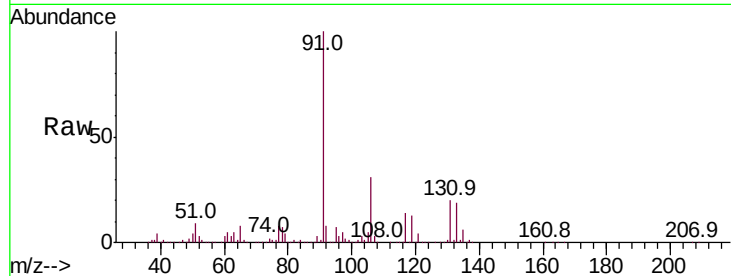
Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 204.373 ug/l

RT: 11.12 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VN057116.D

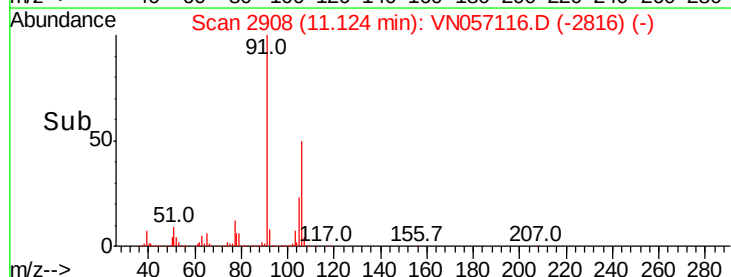
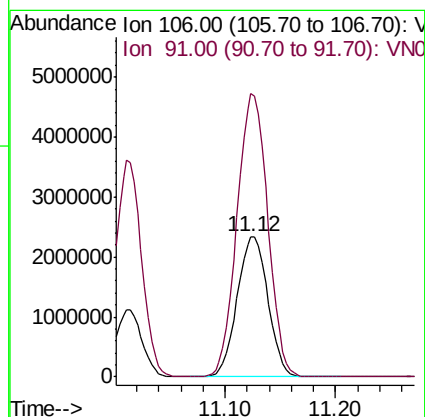
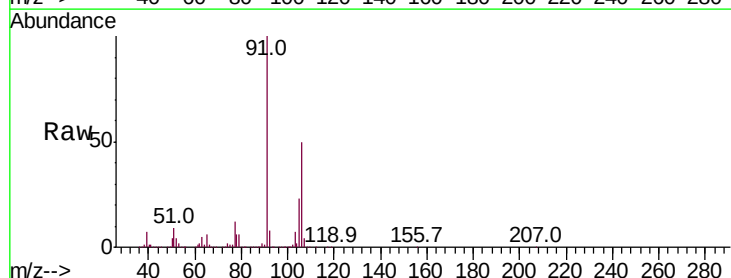
Acq: 7 Aug 2019 20:33

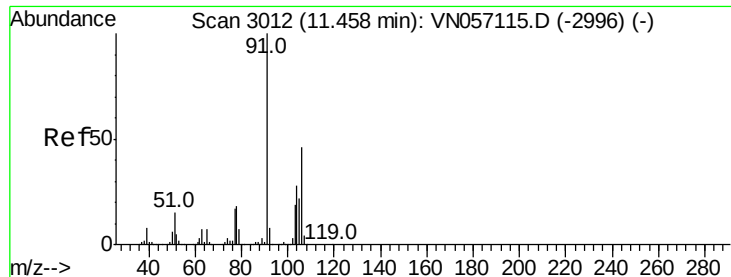
Tgt Ion: 106 Resp: 4514972

Ion Ratio Lower Upper

106 100

91 202.1 159.8 239.8





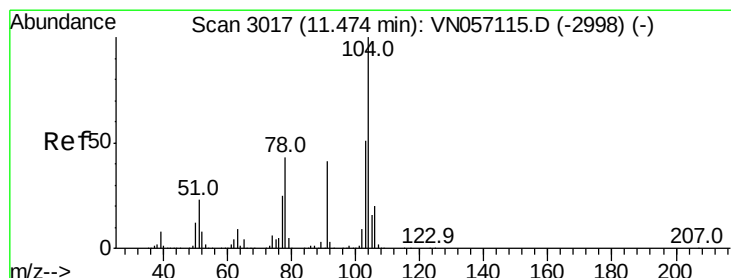
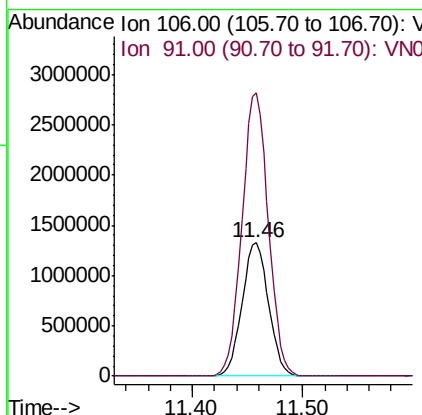
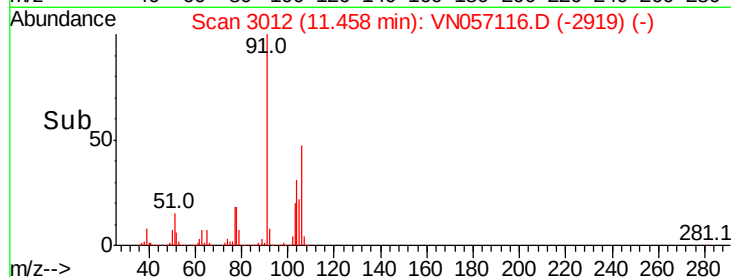
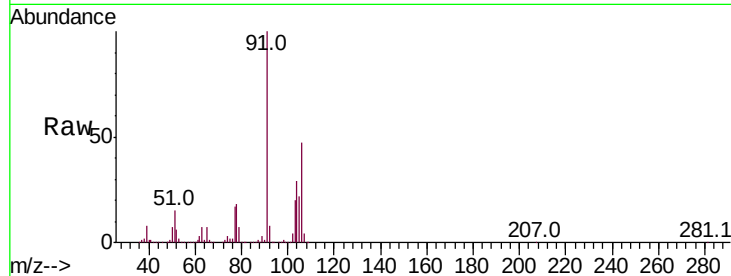
#69
o-Xylene
Concen: 101.550 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 2203923
Ion Ratio Lower Upper
106 100
91 210.9 106.8 320.5

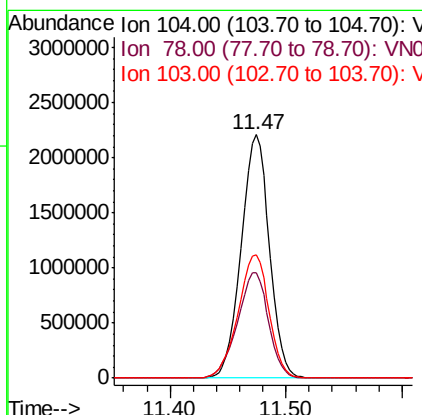
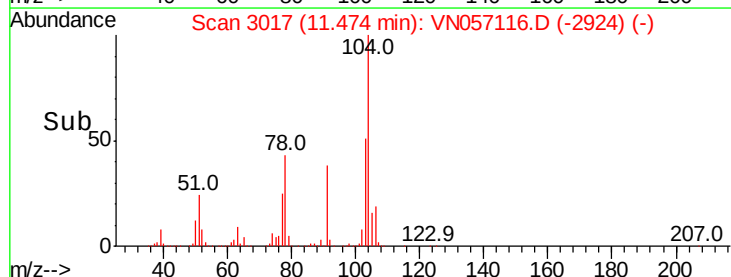
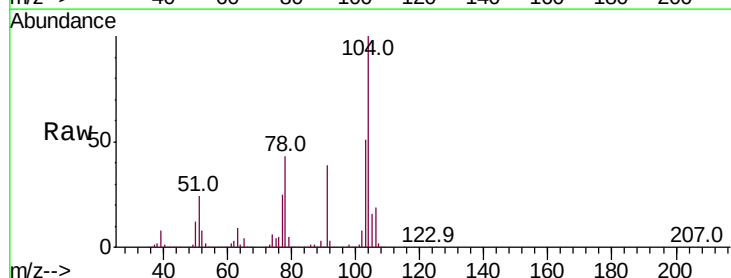
Manual Integrations
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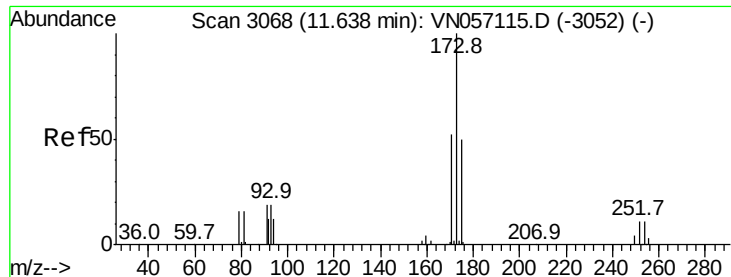
MMDadoda
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#70
Styrene
Concen: 107.712 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Tgt Ion:104 Resp: 3727858
Ion Ratio Lower Upper
104 100
78 47.6 38.5 57.7
103 55.4 44.6 66.8





#71

Bromoform

Concen: 116.198 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 1030415

Ion Ratio Lower Upper

173 100

175 48.1 24.6 73.8

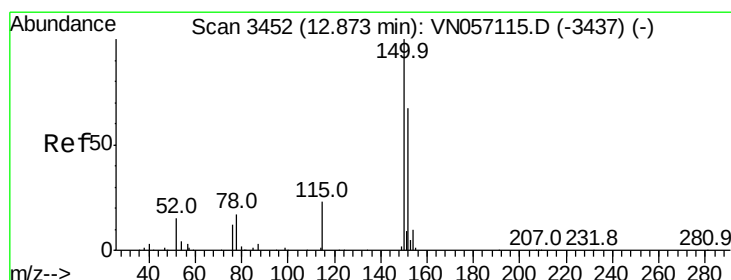
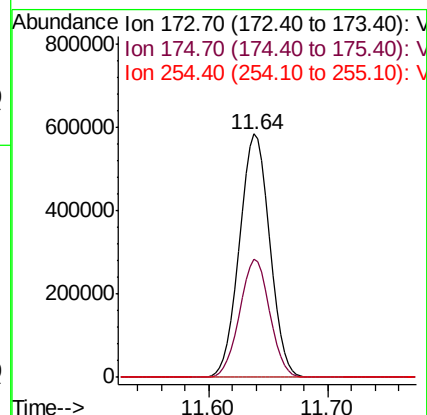
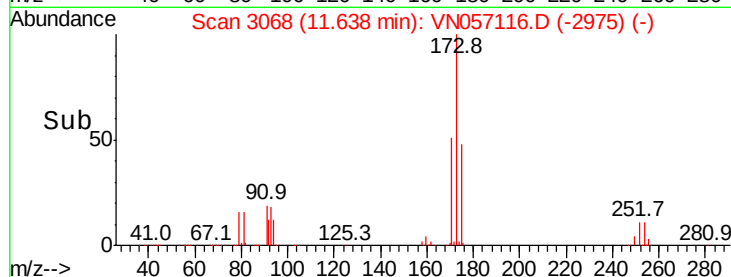
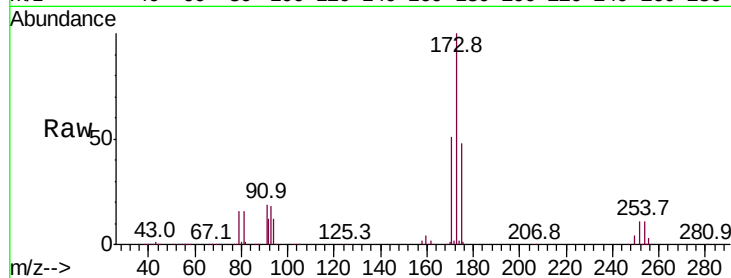
254 0.2 0.1 0.1#

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.87 min Scan# 3452

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

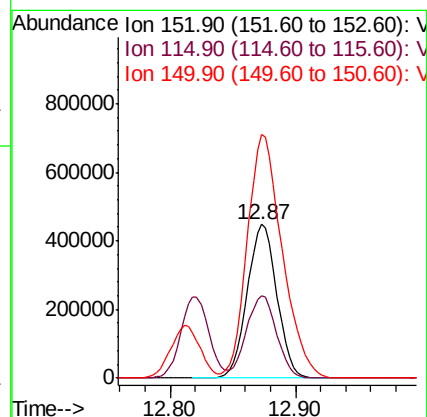
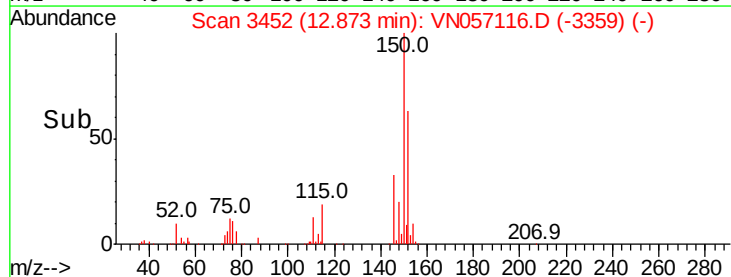
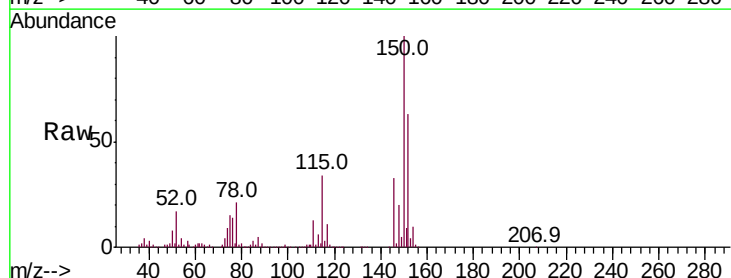
Tgt Ion:152 Resp: 736495

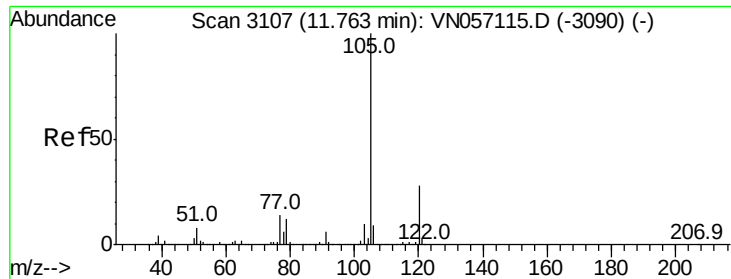
Ion Ratio Lower Upper

152 100

115 54.8 27.5 82.5

150 186.1 0.0 341.6





#73

Isopropylbenzene

Concen: 98.703 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 5905428

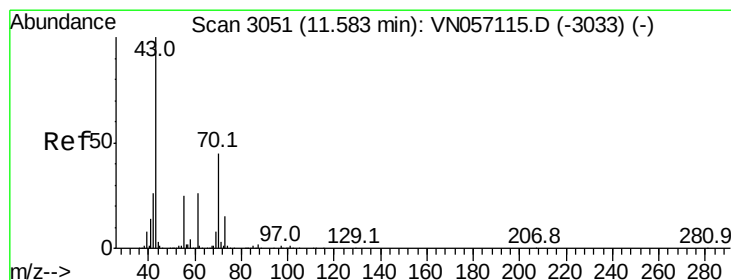
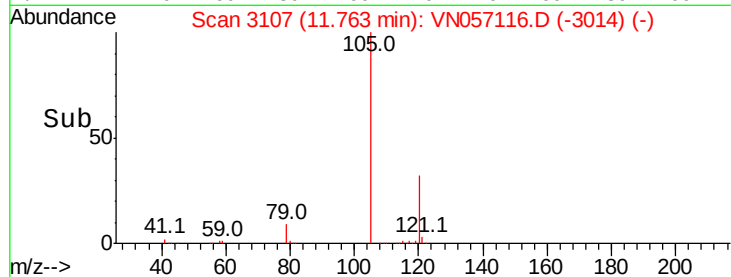
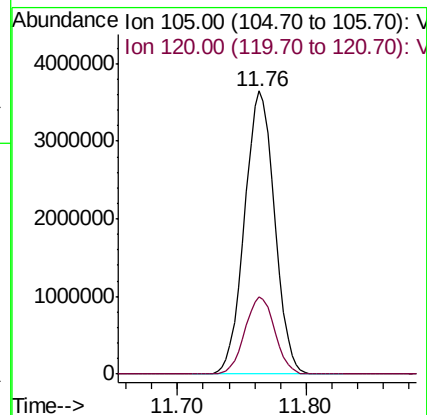
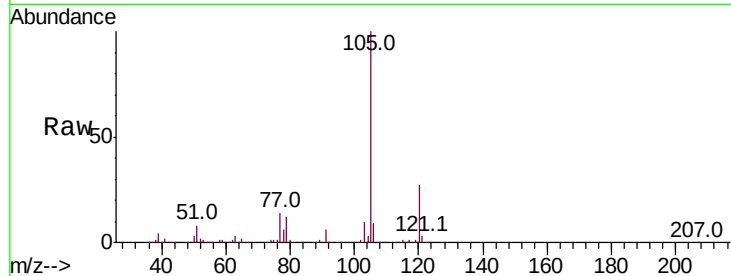
Ion Ratio Lower Upper

105 100

120 27.3 13.7 41.0

Manual Integrations
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#74

N-ethyl acetate

Concen: 102.210 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Tgt Ion: 43 Resp: 1794648

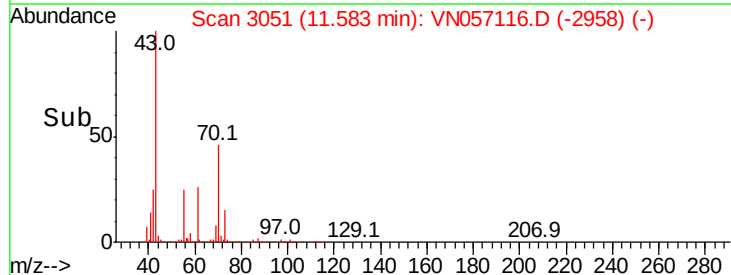
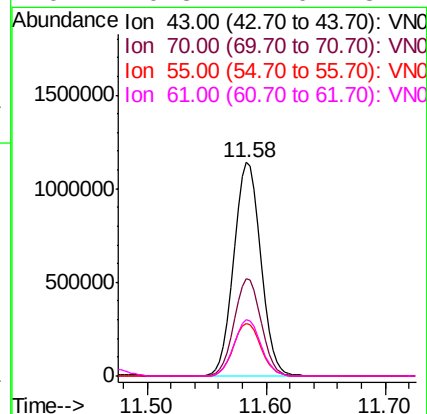
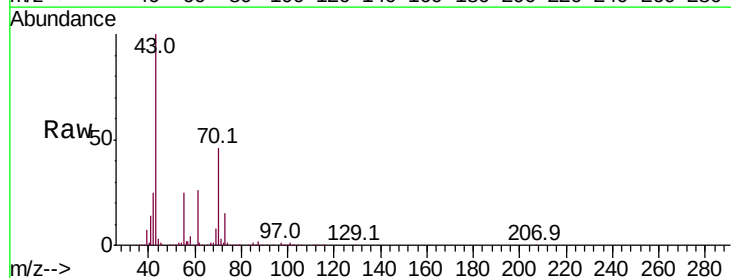
Ion Ratio Lower Upper

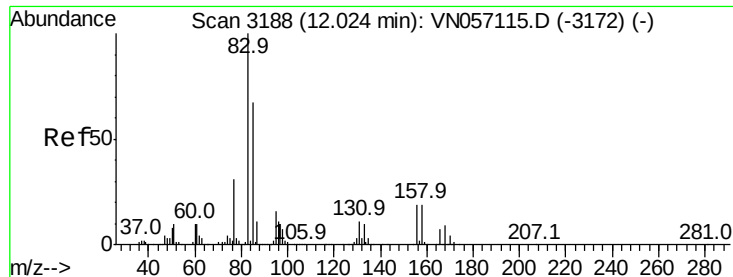
43 100

70 45.6 36.8 55.2

55 25.1 20.6 31.0

61 26.3 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 93.167 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1567971

Ion Ratio Lower Upper

83 100

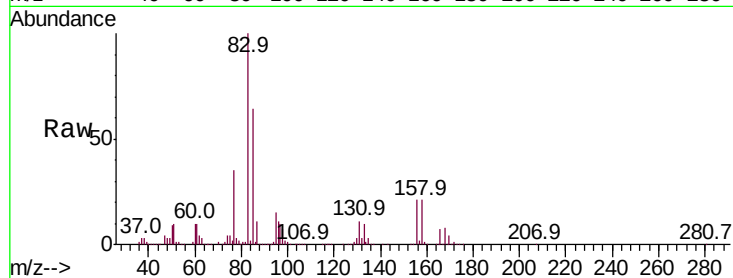
131 11.1 5.5 16.4

85 64.3 32.4 97.0

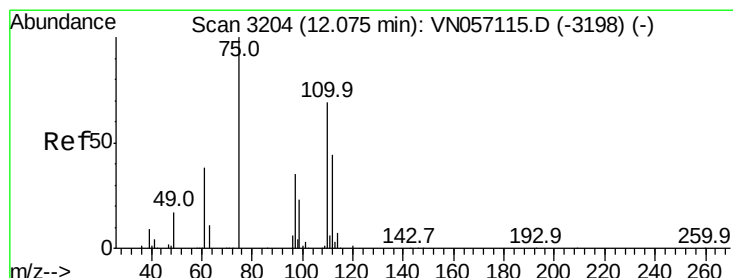
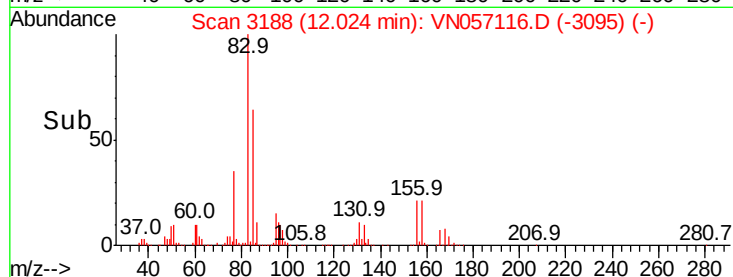
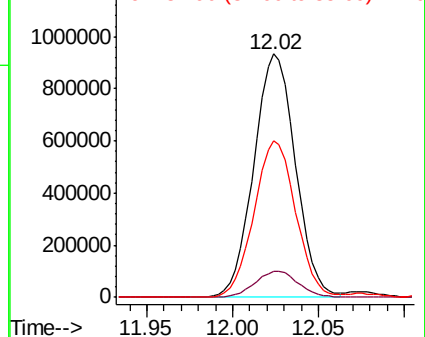
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 101.466 ug/l m

RT: 12.08 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN057116.D

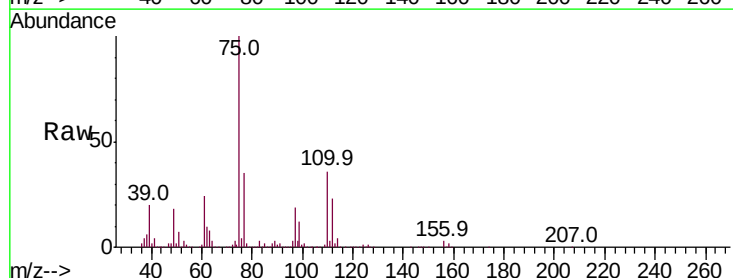
Acq: 7 Aug 2019 20:33

Tgt Ion: 75 Resp: 1410799

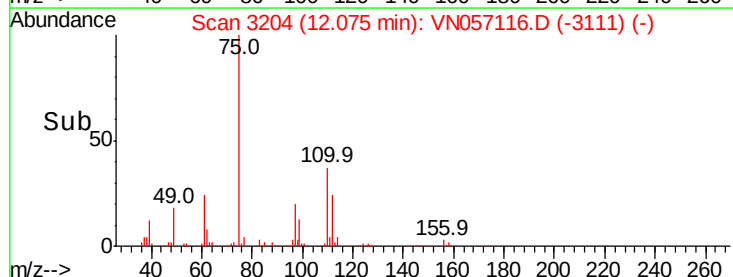
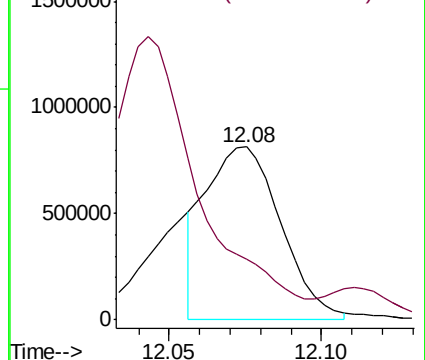
Ion Ratio Lower Upper

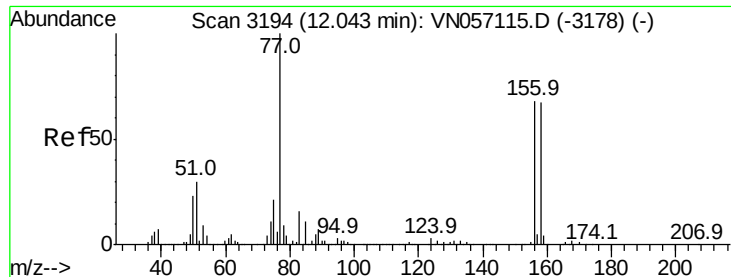
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 98.048 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 1562222

Ion Ratio Lower Upper

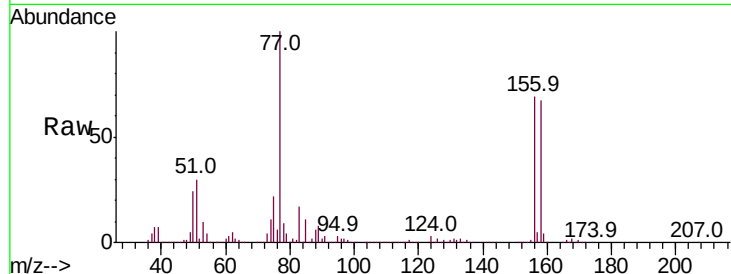
156 100

77 176.9 88.7 266.1

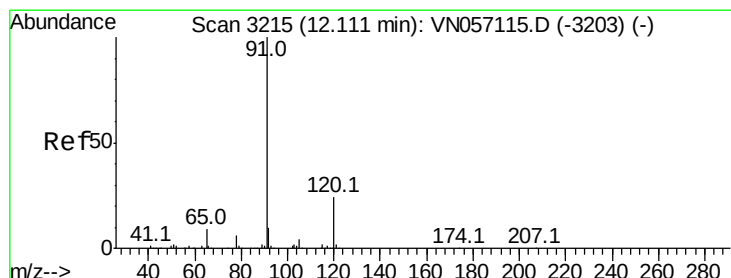
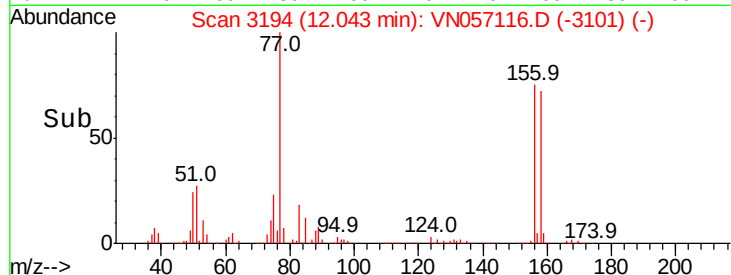
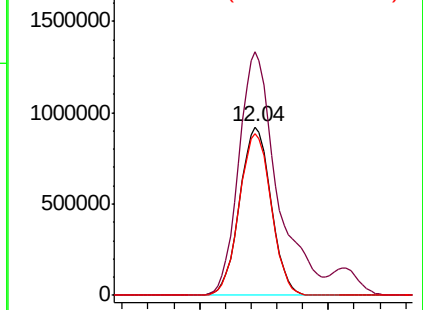
158 97.7 49.3 147.8

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 106.357 ug/l

RT: 12.11 min Scan# 3215

Delta R.T. -0.00 min

Lab File: VN057116.D

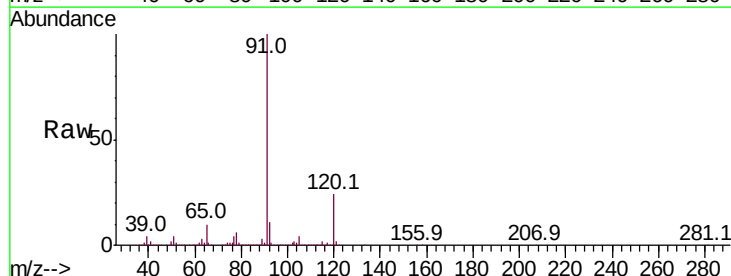
Acq: 7 Aug 2019 20:33

Tgt Ion: 91 Resp: 6526059

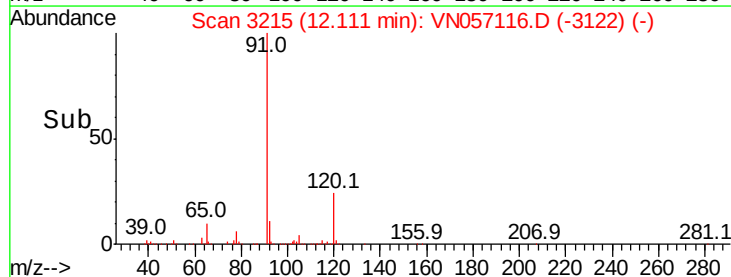
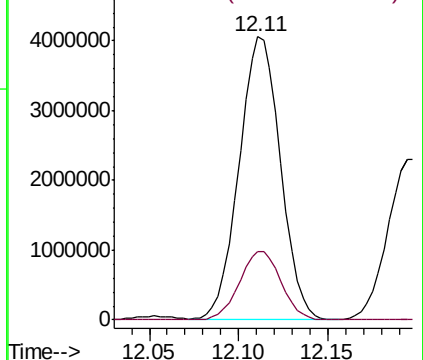
Ion Ratio Lower Upper

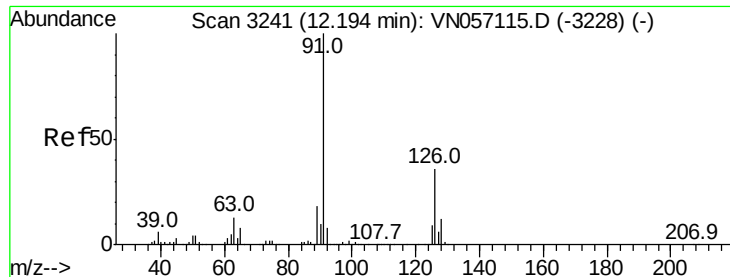
91 100

120 24.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 98.474 ug/l

RT: 12.19 min Scan# 3241

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 3865883

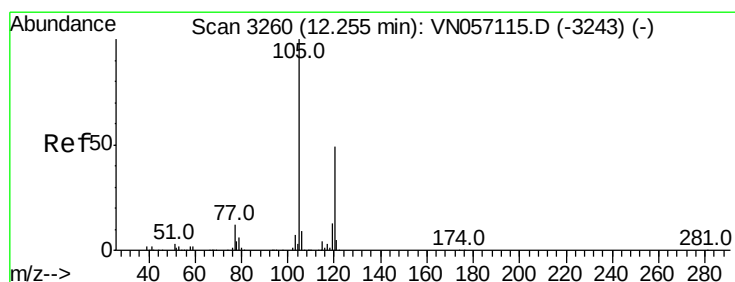
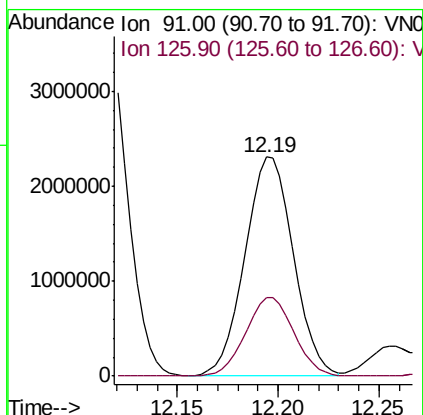
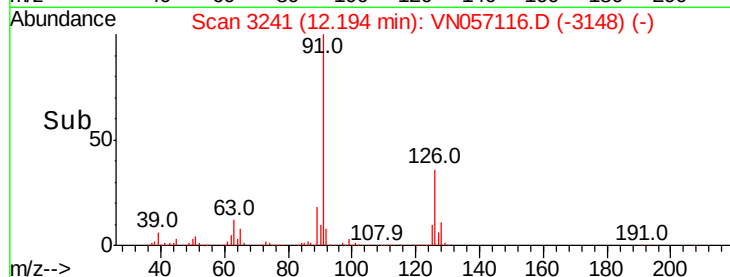
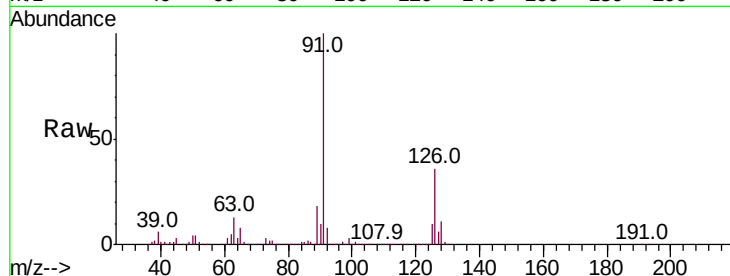
Ion Ratio Lower Upper

91 100

126 36.0 18.1 54.3

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 99.492 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN057116.D

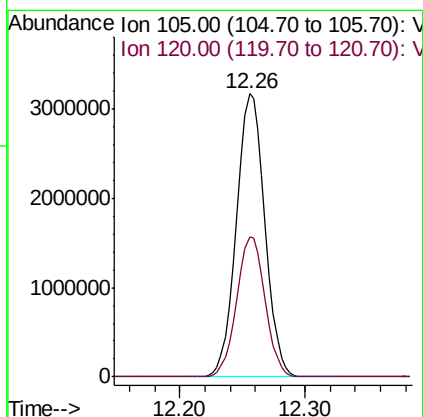
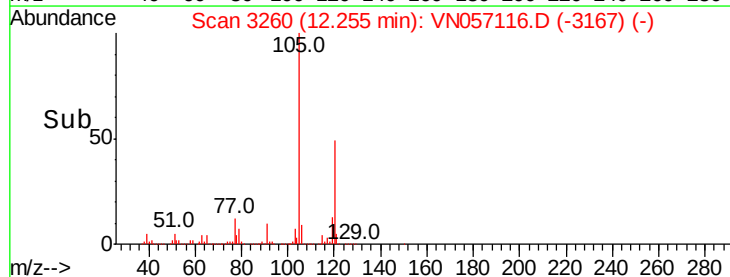
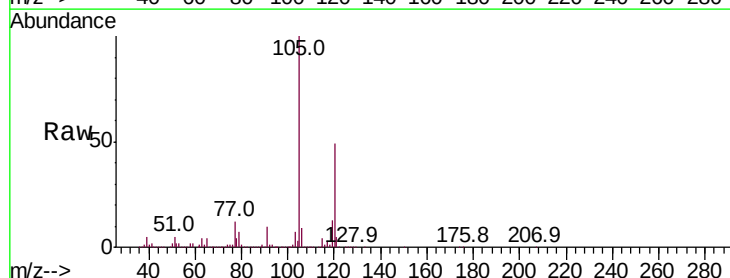
Acq: 7 Aug 2019 20:33

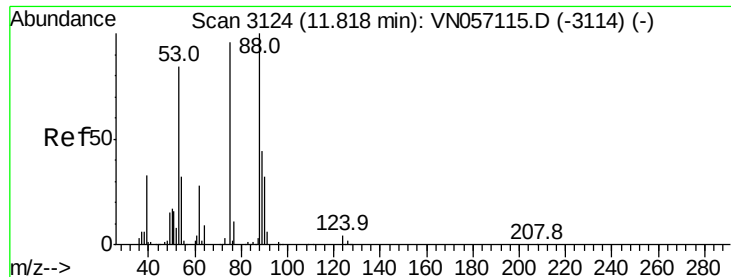
Tgt Ion:105 Resp: 4971716

Ion Ratio Lower Upper

105 100

120 49.6 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 115.491 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

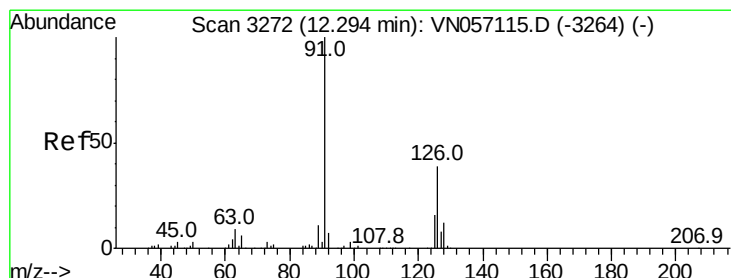
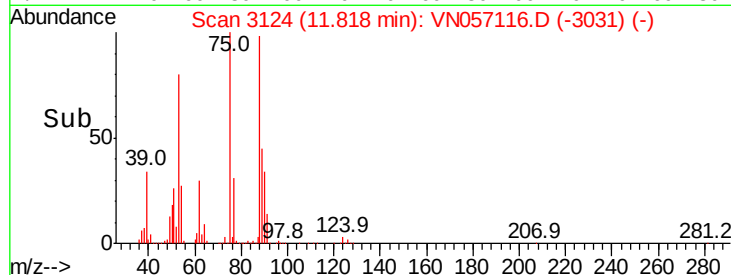
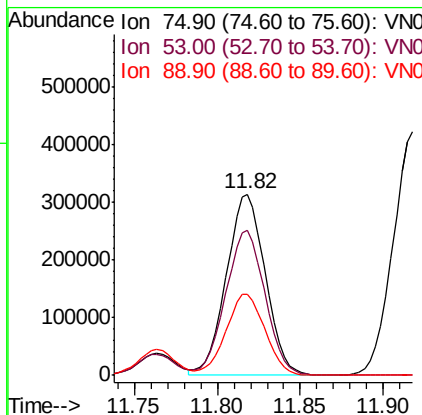
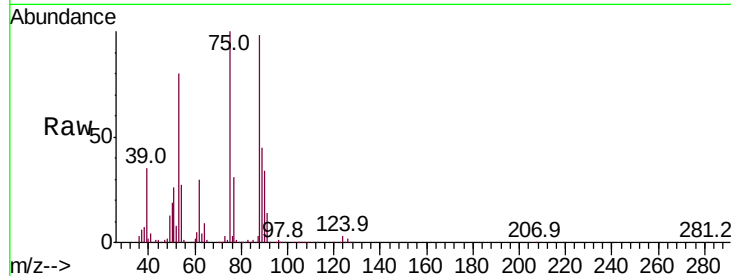
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	509020
Ion	Ratio	Lower	Upper
75	100		
53	81.5	70.6	106.0
89	45.3	36.4	54.6

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#82

4-Chlorotoluene

Concen: 103.176 ug/l

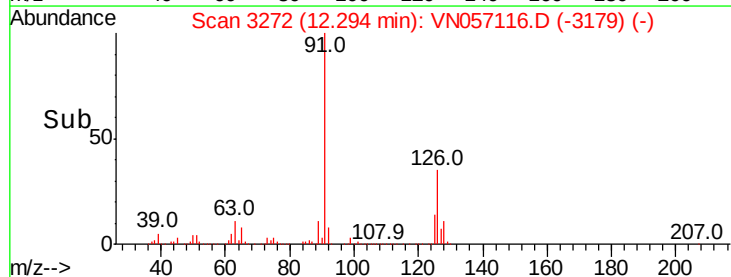
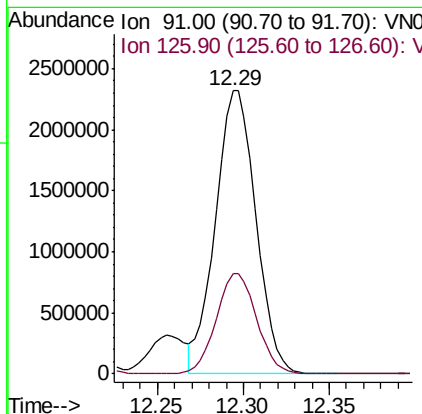
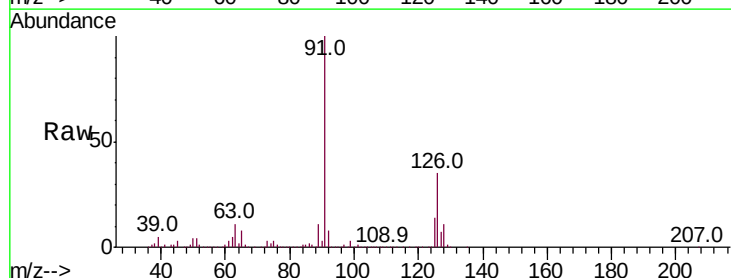
RT: 12.29 min Scan# 3272

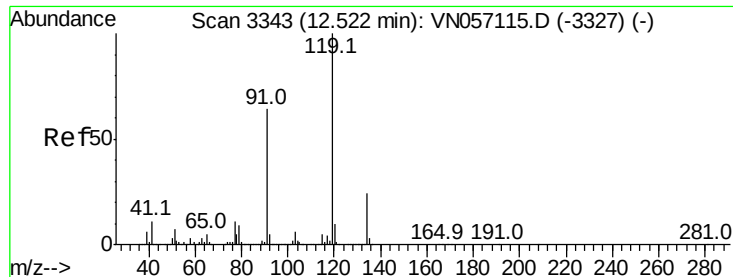
Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Tgt Ion:	91	Resp:	3798398
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.9	53.7





#83

tert-Butylbenzene

Concen: 100.445 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 4436243

Ion Ratio Lower Upper

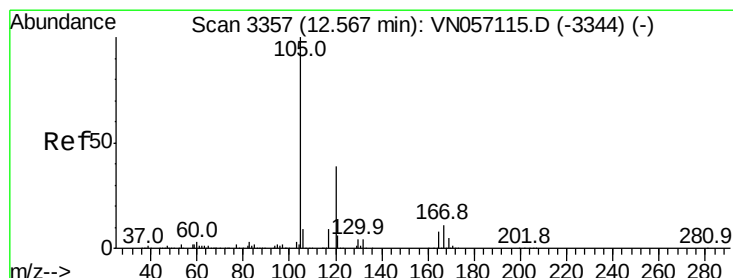
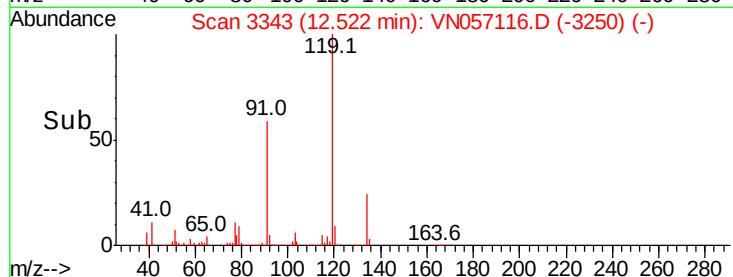
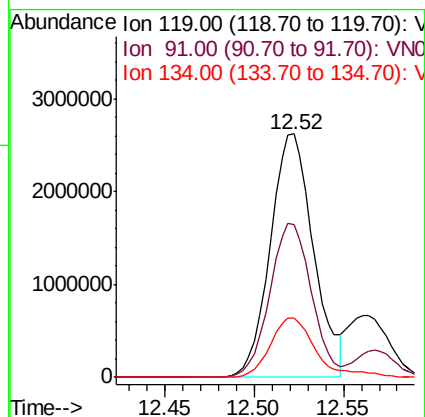
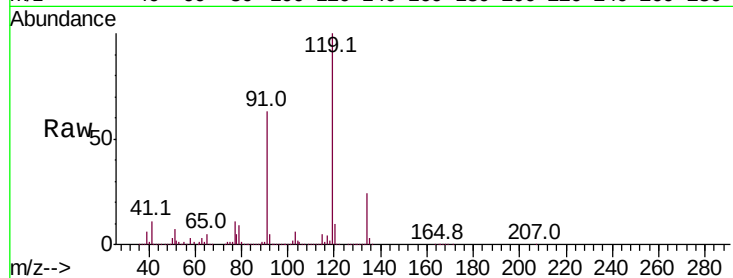
119 100

91 60.9 31.4 94.2

134 25.7 13.2 39.6

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#84

1,2,4-Trimethylbenzene

Concen: 101.627 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN057116.D

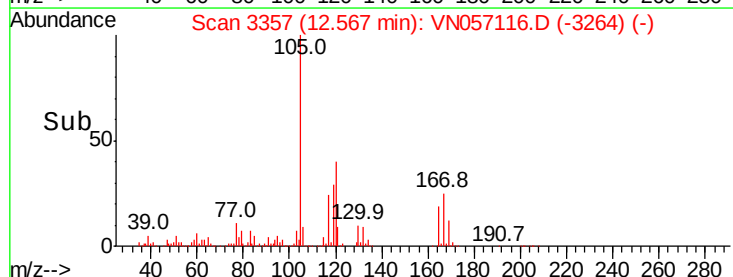
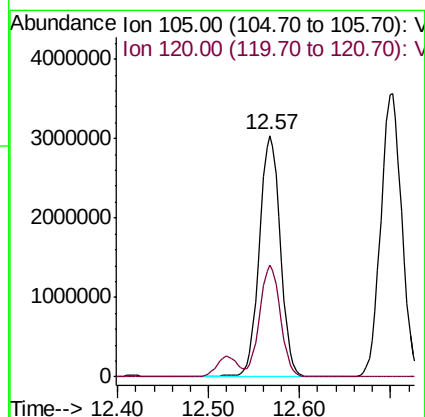
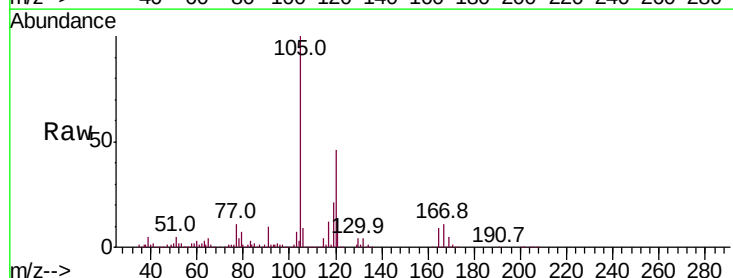
Acq: 7 Aug 2019 20:33

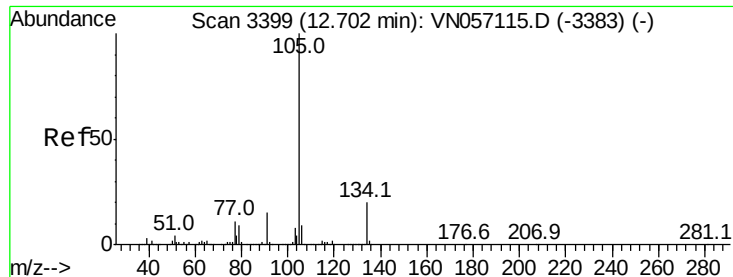
Tgt Ion:105 Resp: 4855520

Ion Ratio Lower Upper

105 100

120 45.8 23.3 69.8





#85

sec-Butylbenzene

Concen: 104.379 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 5690706

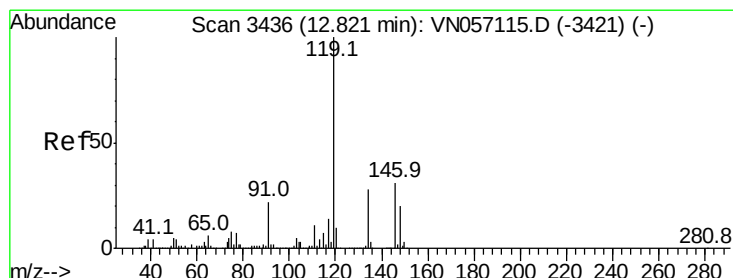
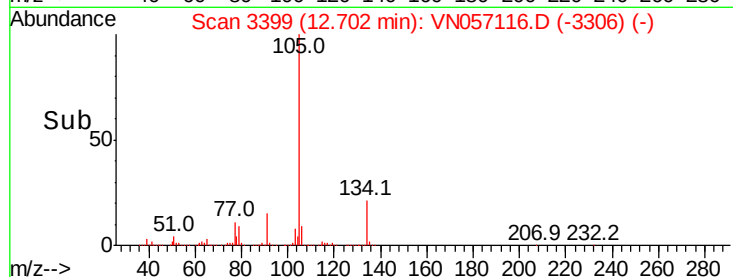
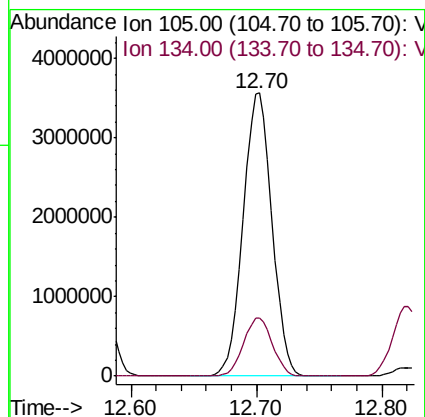
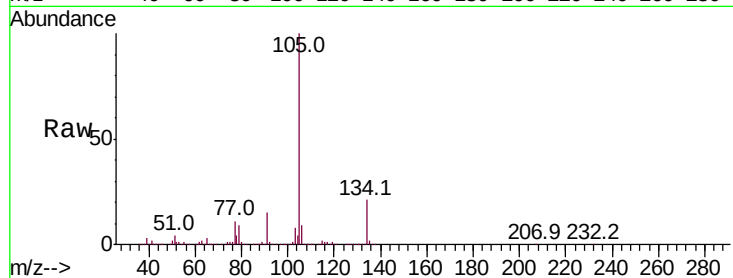
Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 106.753 ug/l

RT: 12.82 min Scan# 3435

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

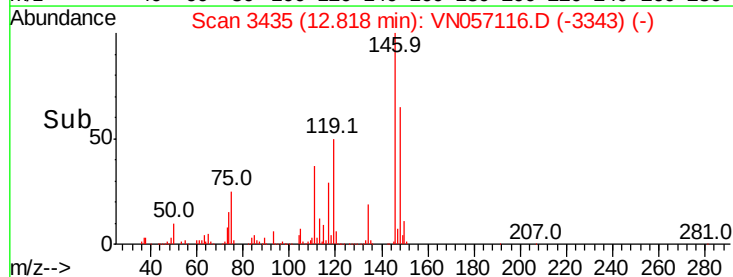
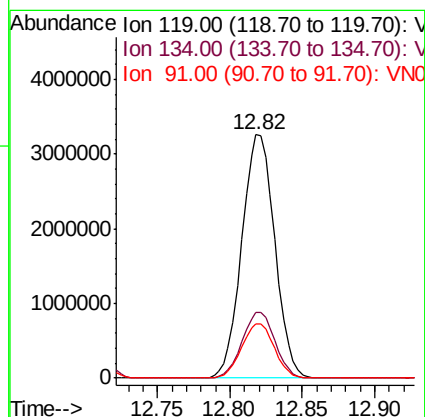
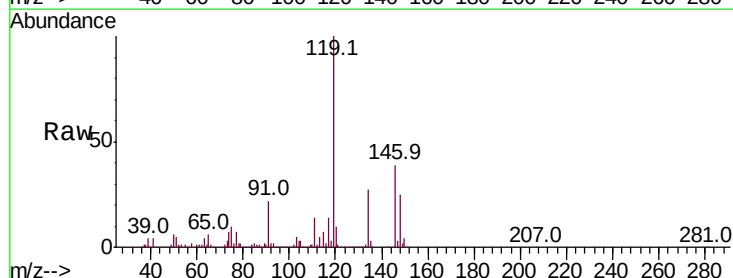
Tgt Ion:119 Resp: 5144041

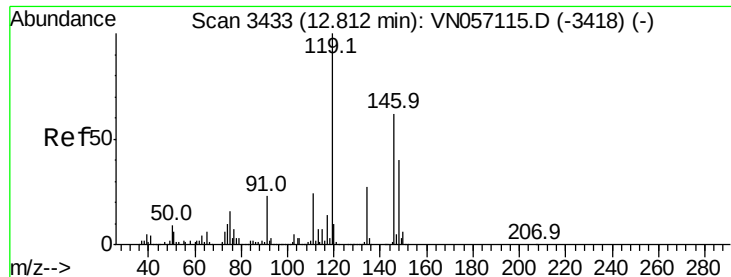
Ion Ratio Lower Upper

119 100

134 27.1 13.8 41.3

91 22.1 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 99.600 ug/l

RT: 12.81 min Scan# 3433

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 2450731

Ion Ratio Lower Upper

146 100

111 37.7 18.8 56.4

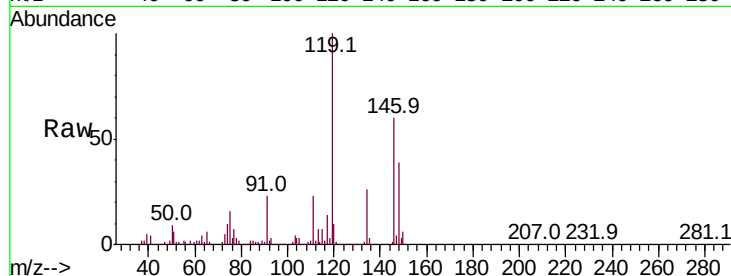
148 64.5 32.4 97.0

Manual Integrations

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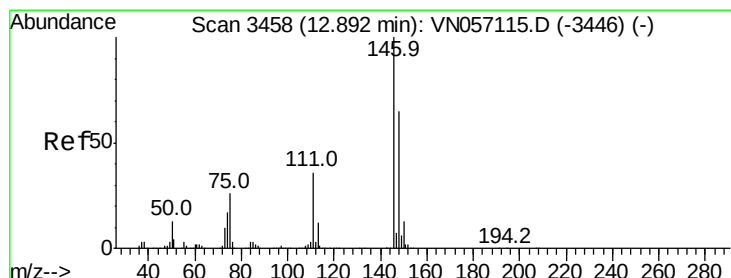
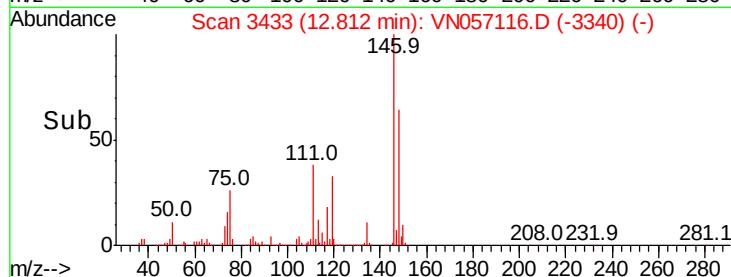
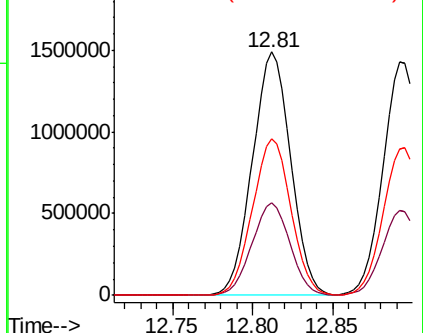
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 98.952 ug/l

RT: 12.89 min Scan# 3458

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

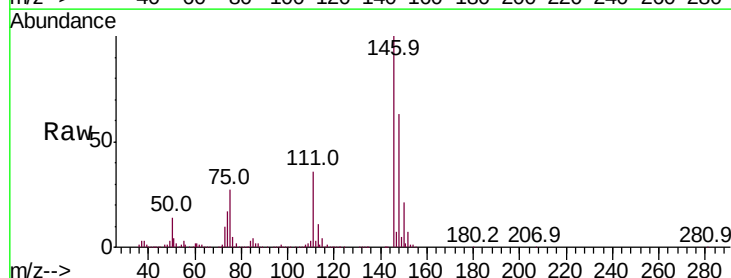
Tgt Ion:146 Resp: 2341534

Ion Ratio Lower Upper

146 100

111 36.5 18.2 54.6

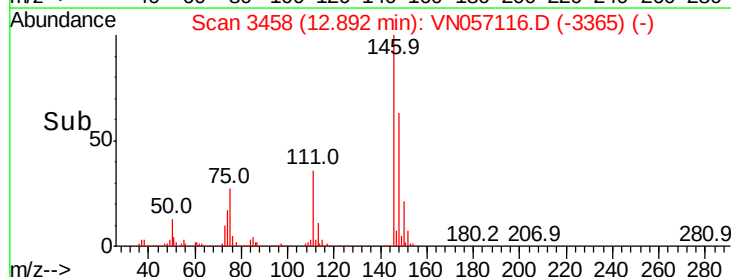
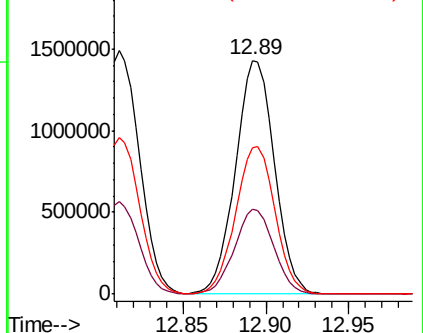
148 64.0 32.0 96.2

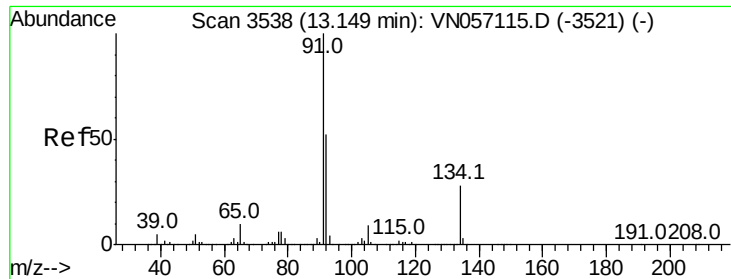


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





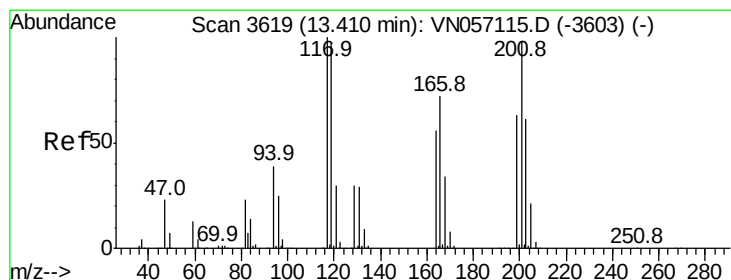
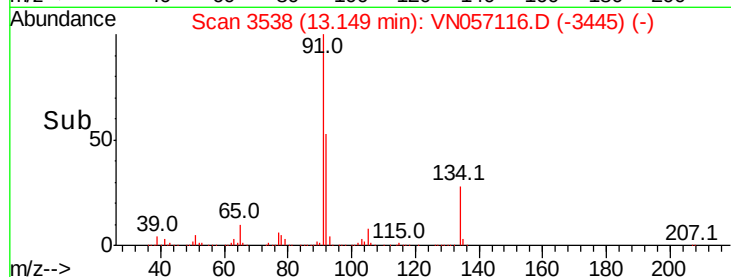
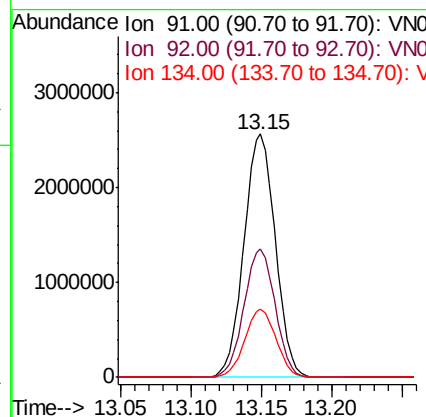
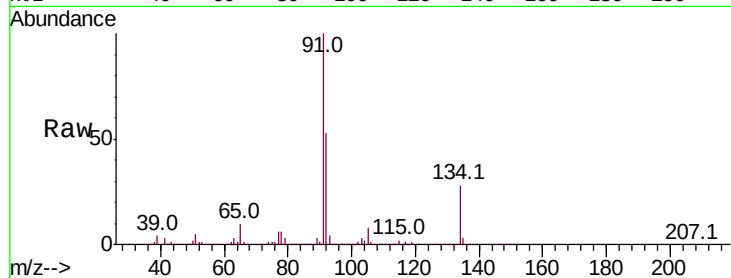
#89
n-Butylbenzene
Concen: 108.452 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 3994098
Ion Ratio Lower Upper
91 100
92 52.6 26.5 79.4
134 28.1 14.1 42.3

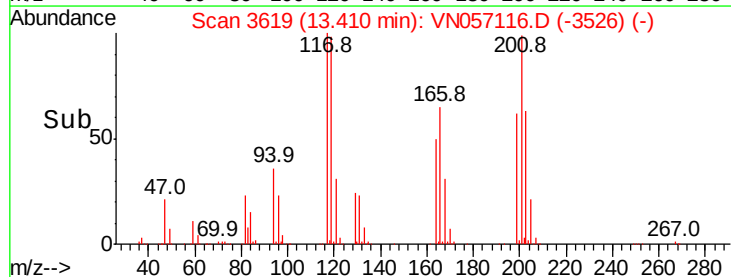
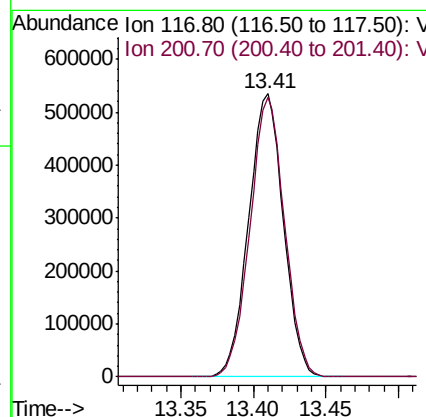
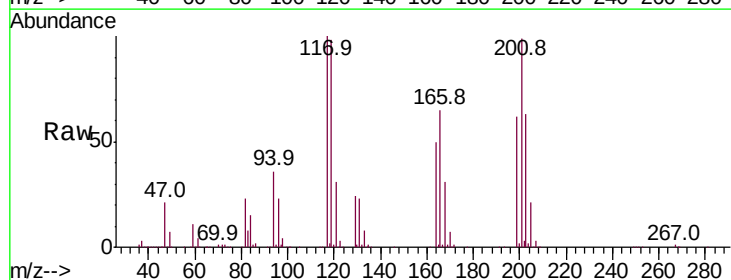
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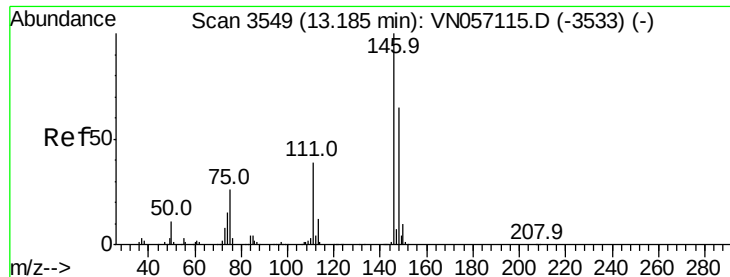
MMDadoda
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#90
Hexachloroethane
Concen: 107.065 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VN057116.D
Acq: 7 Aug 2019 20:33

Tgt Ion: 117 Resp: 893927
Ion Ratio Lower Upper
117 100
201 97.7 49.3 147.8





#91

1,2-Dichlorobenzene

Concen: 93.520 ug/l

RT: 13.18 min Scan# 3549

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 2284797

Ion Ratio Lower Upper

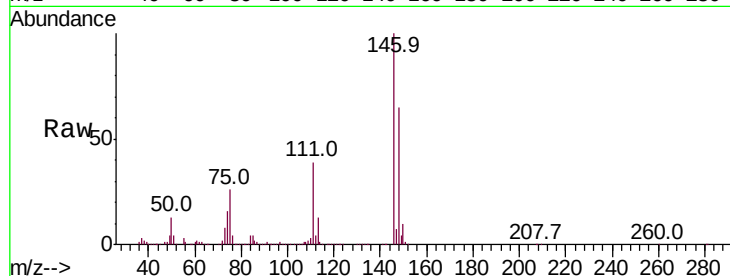
146 100

111 38.5 19.2 57.6

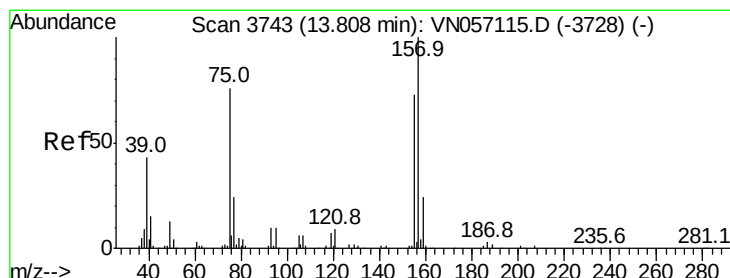
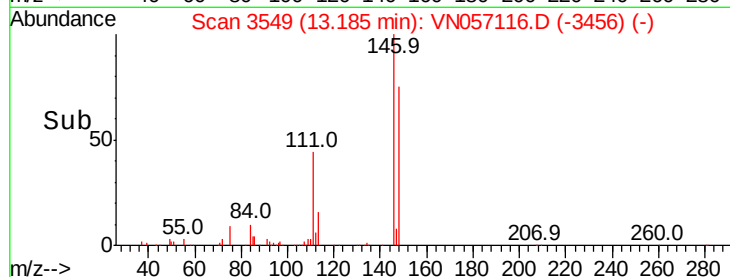
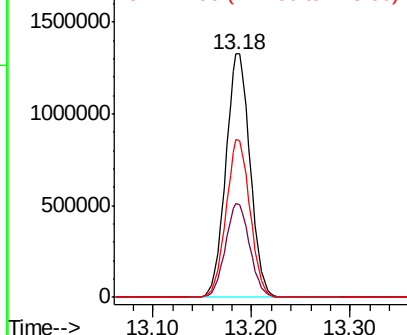
148 64.1 32.4 97.0

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 104.813 ug/l

RT: 13.81 min Scan# 3743

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

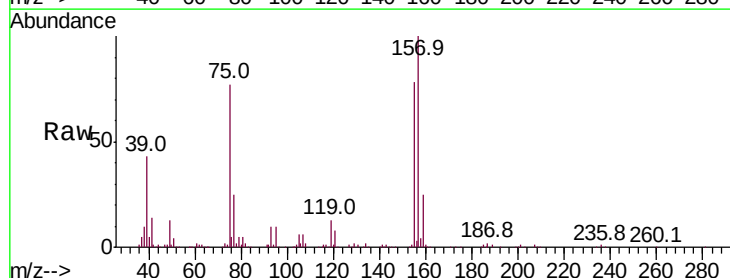
Tgt Ion: 75 Resp: 250499

Ion Ratio Lower Upper

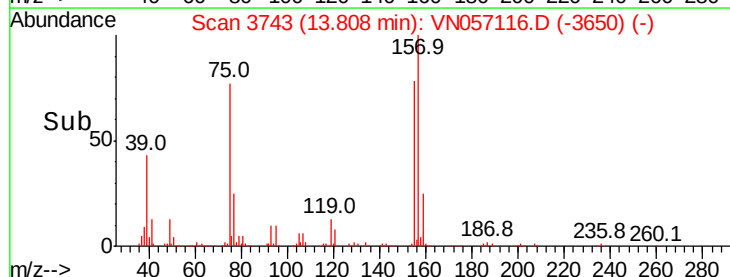
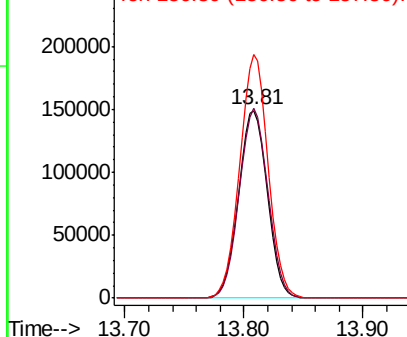
75 100

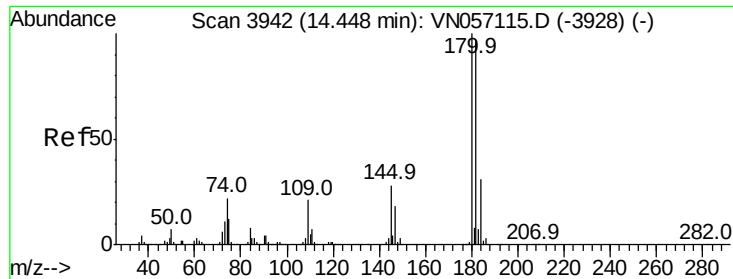
155 100.7 49.3 147.9

157 127.3 65.3 195.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





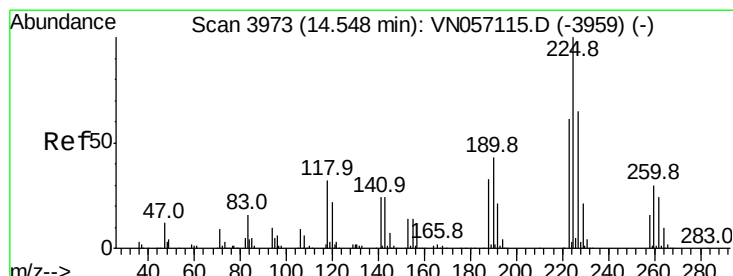
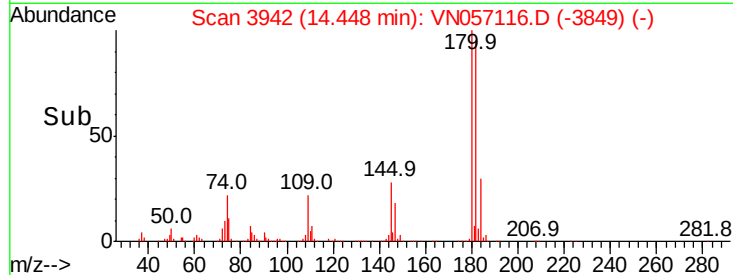
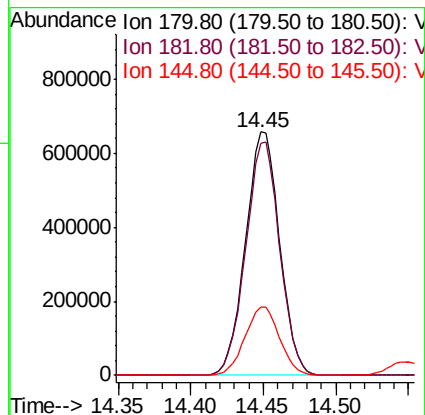
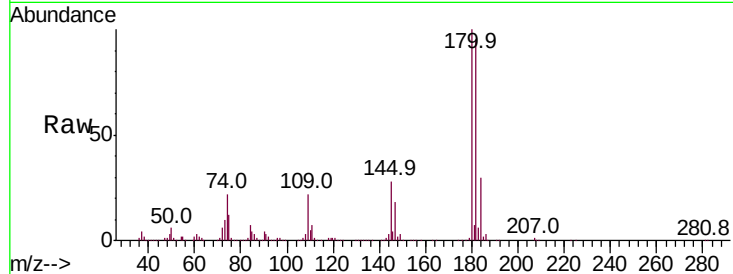
#93
 1,2,4-Trichlorobenzene
 Concen: 98.094 ug/l
 RT: 14.45 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VN057116.D
 Acq: 7 Aug 2019 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.6
145	28.6	14.1	42.2

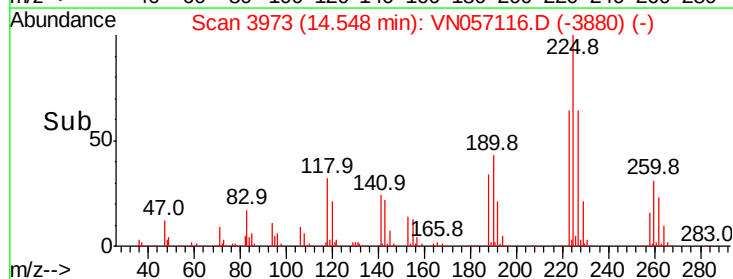
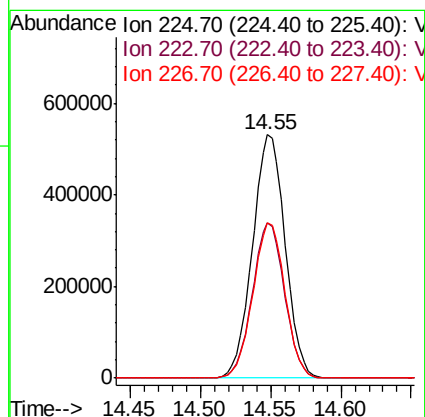
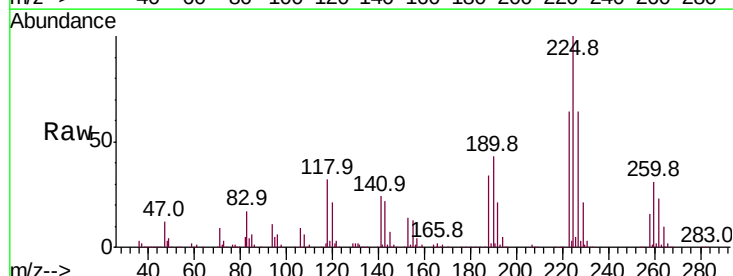
Manual Integrations
 APPROVED

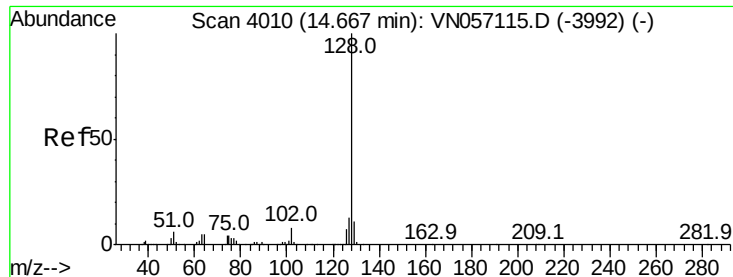
MMDadoda
 8/8/2019 2:40:34 PM



#94
 Hexachlorobutadiene
 Concen: 87.994 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. -0.00 min
 Lab File: VN057116.D
 Acq: 7 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.9	92.8
227	63.0	32.4	97.0





#95

Naphthalene

Concen: 120.994 ug/l

RT: 14.66 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 2704647

Ion Ratio Lower Upper

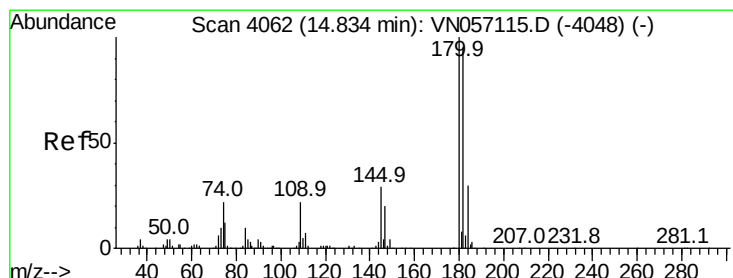
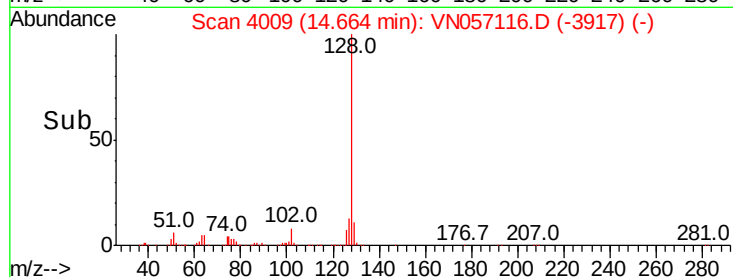
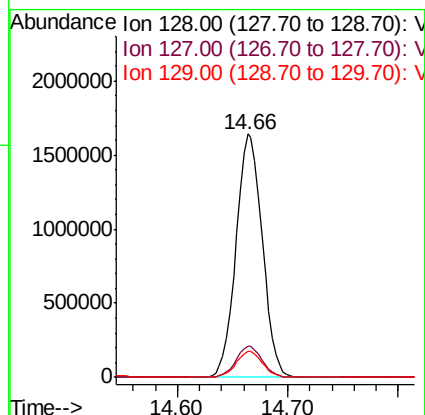
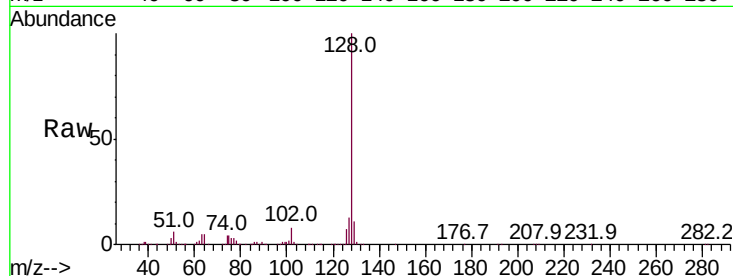
128 100

127 12.7 10.3 15.5

129 10.8 8.8 13.2

Manual Integrations
APPROVED

MMDadoda
8/8/2019 2:40:34 PM



#96

1,2,3-Trichlorobenzene

Concen: 100.474 ug/l

RT: 14.83 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VN057116.D

Acq: 7 Aug 2019 20:33

Tgt Ion:180 Resp: 1130149

Ion Ratio Lower Upper

180 100

182 95.4 48.3 144.8

145 29.4 14.9 44.5

