

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057315.D
 Acq On : 15 Aug 2019 3:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:53:24 AM

Quant Time: Aug 15 09:14:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 08:22:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	881497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1331042	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1228441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	503624	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	473499	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
35) Dibromofluoromethane	7.58	113	425051	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
50) Toluene-d8	10.08	98	1611181	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.40	95	557890	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	356640	47.018	ug/l	98
3) Chloromethane	2.05	50	427482	47.747	ug/l	98
4) Vinyl Chloride	2.18	62	406804	48.296	ug/l	99
5) Bromomethane	2.53	94	288271m	48.011	ug/l	
6) Chloroethane	2.69	64	281936	48.661	ug/l	98
7) Trichlorofluoromethane	3.01	101	637837	48.277	ug/l	99
8) Diethyl Ether	3.40	74	241469	48.558	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	365741	47.117	ug/l	97
10) Methyl Iodide	3.95	142	635475	51.216	ug/l	100
11) Tert butyl alcohol	4.76	59	328084	240.824	ug/l	100
12) 1,1-Dichloroethene	3.73	96	380407	49.185	ug/l	99
13) Acrolein	3.60	56	187481	226.692	ug/l	98
14) Allyl chloride	4.31	41	534221	43.091	ug/l	94
15) Acrylonitrile	4.97	53	937190	253.389	ug/l	99
16) Acetone	3.80	43	715514	215.240	ug/l	100
17) Carbon Disulfide	4.05	76	998145	47.904	ug/l	99
18) Methyl Acetate	4.31	43	441647	49.707	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	1216159	50.113	ug/l	99
20) Methylene Chloride	4.54	84	444832	47.826	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	407625	49.010	ug/l	97
22) Diisopropyl ether	5.94	45	1204715	49.191	ug/l	99
23) Vinyl Acetate	5.88	43	4844637	245.792	ug/l	99
24) 1,1-Dichloroethane	5.84	63	737023	48.915	ug/l	99
25) 2-Butanone	6.82	43	1135655	235.912	ug/l	96
26) 2,2-Dichloropropane	6.81	77	432923	35.552	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	473659	48.104	ug/l	97
28) Bromochloromethane	7.18	49	337447	50.405	ug/l #	100
29) Tetrahydrofuran	7.20	42	732832	240.551	ug/l	99
30) Chloroform	7.36	83	753203	47.701	ug/l	98
31) Cyclohexane	7.64	56	609163	46.653	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	667280	50.244	ug/l	99
36) 1,1-Dichloropropene	7.79	75	551928	46.964	ug/l	99
37) Ethyl Acetate	6.91	43	484333	50.317	ug/l	100
38) Carbon Tetrachloride	7.76	117	582929	47.739	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	634014	46.202	ug/l	99
40) Benzene	8.03	78	1720740	47.870	ug/l	99
41) Methacrylonitrile	7.17	41	257703m	59.451	ug/l	
42) 1,2-Dichloroethane	8.12	62	565664	47.547	ug/l	100
43) Isopropyl Acetate	8.16	43	924899	52.285	ug/l	97
44) Trichloroethene	8.83	130	482808	47.775	ug/l	100
45) 1,2-Dichloropropane	9.11	63	444633	47.989	ug/l	100
46) Dibromomethane	9.20	93	296251	47.928	ug/l	100
47) Bromodichloromethane	9.40	83	596637	48.717	ug/l	100
48) Methyl methacrylate	9.19	41	385087	48.583	ug/l	99
49) 1,4-Dioxane	9.19	88	161789	970.600	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2381845	239.859	ug/l	100
52) Toluene	10.15	92	1095660	48.971	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	618027	46.654	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	685148	46.903	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	426380	48.465	ug/l	98
56) Ethyl methacrylate	10.43	69	644304	50.184	ug/l	100
57) 1,3-Dichloropropane	10.70	76	708676	48.219	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	816938	217.045	ug/l	100
59) 2-Hexanone	10.75	43	1708243	239.281	ug/l	99
60) Dibromochloromethane	10.90	129	490557	49.757	ug/l	99
61) 1,2-Dibromoethane	11.00	107	455075	48.558	ug/l	100
64) Tetrachloroethene	10.63	164	504262	47.484	ug/l	98
65) Chlorobenzene	11.43	112	1202404	47.991	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	467063	48.676	ug/l	100
67) Ethyl Benzene	11.51	91	2110422	48.146	ug/l	100
68) m/p-Xylenes	11.62	106	1592152	98.584	ug/l	100
69) o-Xylene	11.95	106	781264	49.269	ug/l	99
70) Styrene	11.96	104	1293437	51.170	ug/l	100
71) Bromoform	12.13	173	378217	49.964	ug/l #	100
73) Isopropylbenzene	12.25	105	2091563	52.387	ug/l	99
74) N-amyl acetate	12.07	43	652020	44.616	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	581335	52.120	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	491216m	49.513	ug/l	
77) Bromobenzene	12.53	156	558542	51.820	ug/l	97
78) n-propylbenzene	12.59	91	2182159	44.995	ug/l	99
79) 2-Chlorotoluene	12.67	91	1359863	51.352	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1741930	51.398	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	169800	41.112	ug/l	99
82) 4-Chlorotoluene	12.77	91	1307507	45.496	ug/l	99
83) tert-Butylbenzene	12.99	119	1532224	51.527	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1636858	45.124	ug/l	99
85) sec-Butylbenzene	13.17	105	1888505	49.554	ug/l	99
86) p-Isopropyltoluene	13.29	119	1671034	44.995	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	831887	47.145	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	778678	46.487	ug/l	99
89) n-Butylbenzene	13.62	91	1233892	46.604	ug/l	100
90) Hexachloroethane	13.88	117	321177	50.889	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	778747	47.343	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77720	43.276	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	260338	40.693	ug/l	99
94) Hexachlorobutadiene	15.01	225	314967	49.937	ug/l	97
95) Naphthalene	15.13	128	526522	51.693	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	242241	52.459	ug/l	99

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

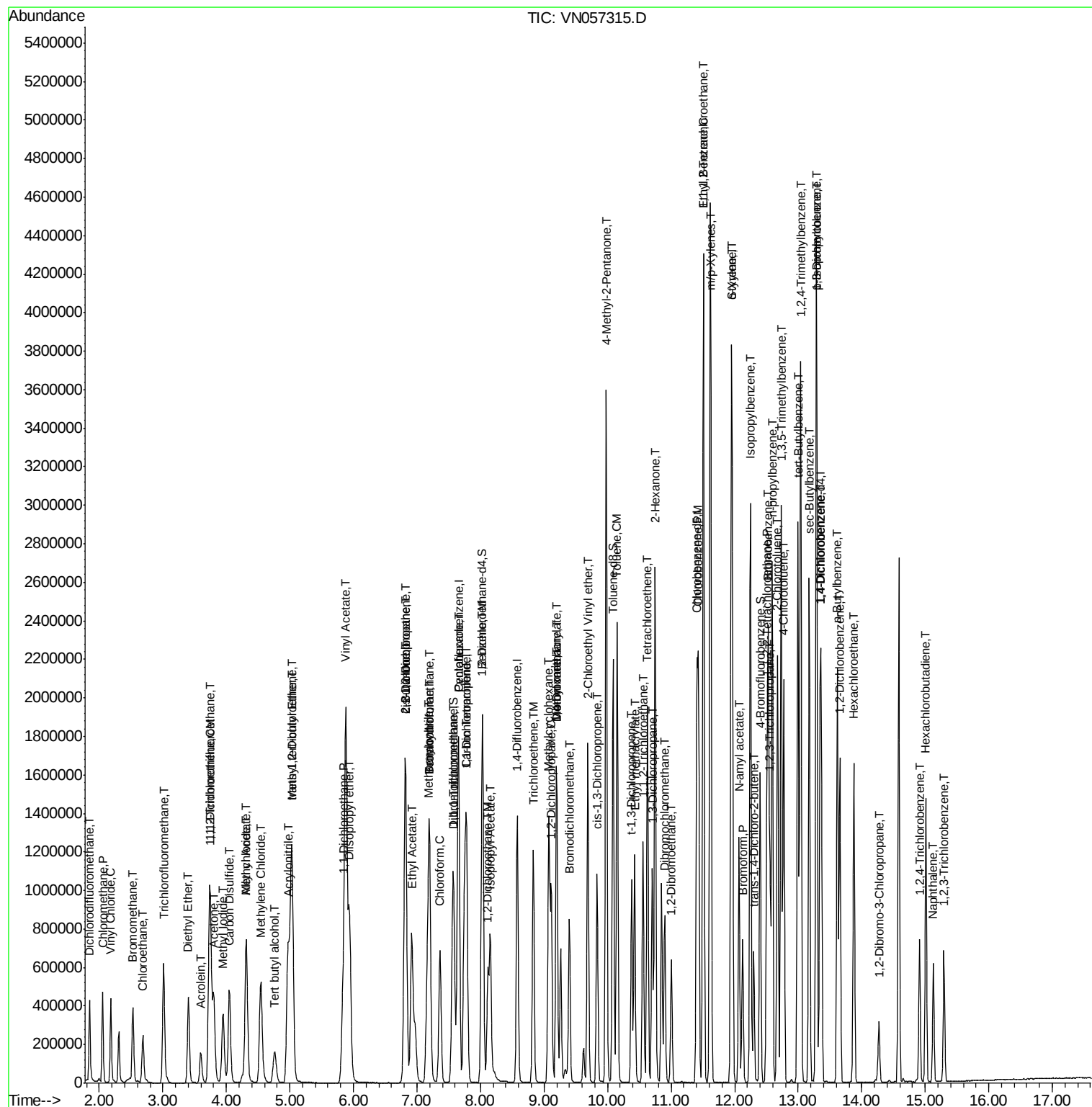
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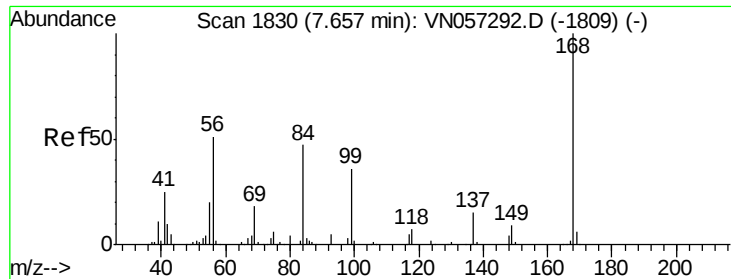
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 881497

Ion Ratio Lower Upper

168 100

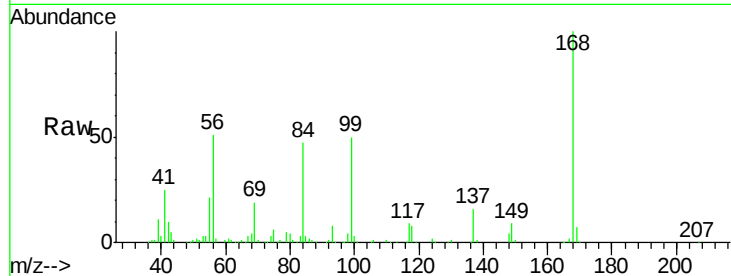
99 50.4 39.4 59.2

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

7.66

400000

300000

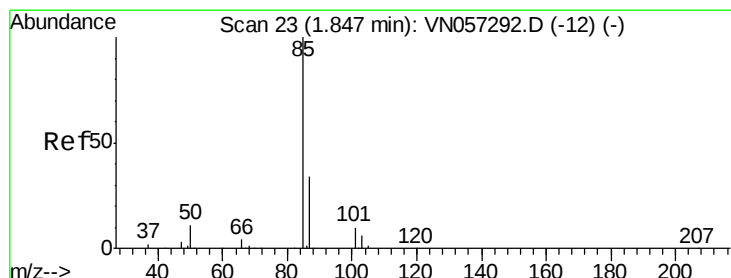
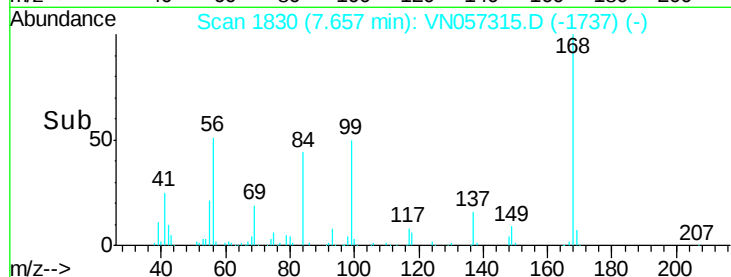
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.018 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057315.D

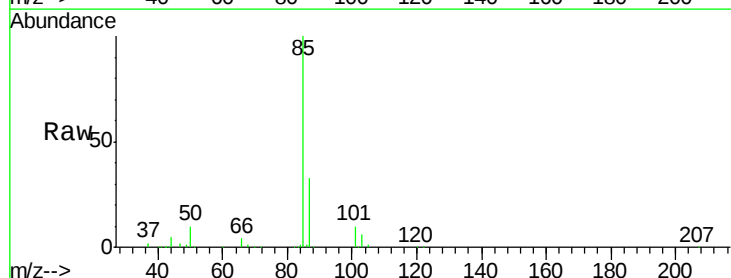
Acq: 15 Aug 2019 3:11

Tgt Ion: 85 Resp: 356640

Ion Ratio Lower Upper

85 100

87 32.6 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

150000

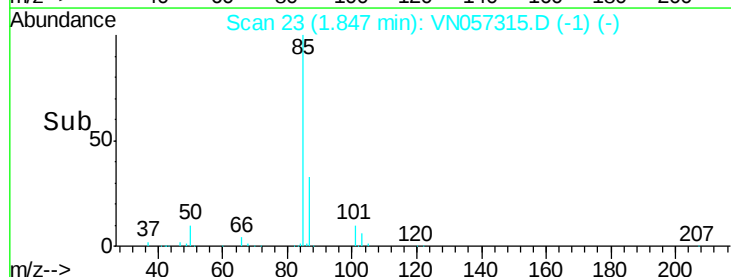
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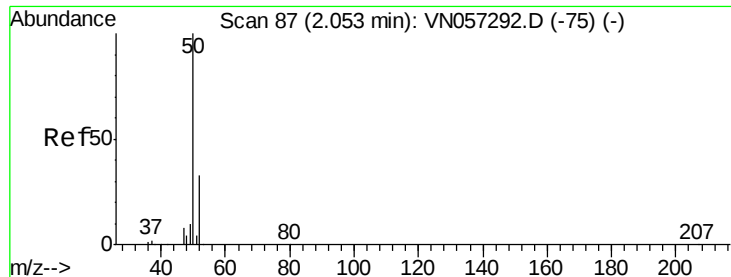
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 47.747 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 427482

Ion Ratio Lower Upper

50 100

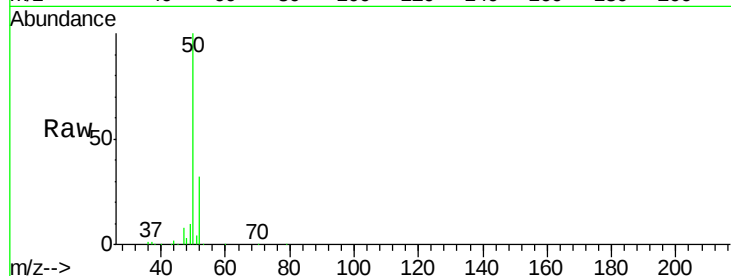
52 32.4 26.8 40.2

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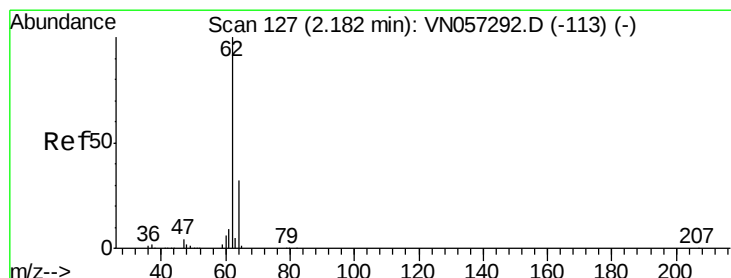
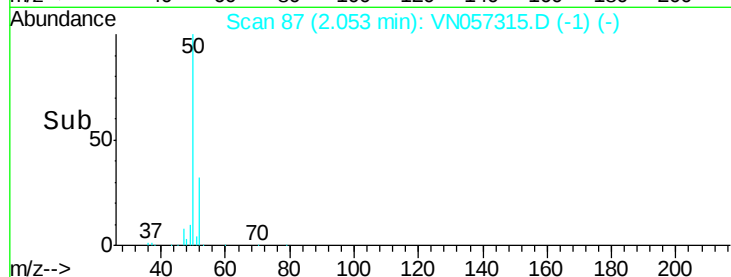
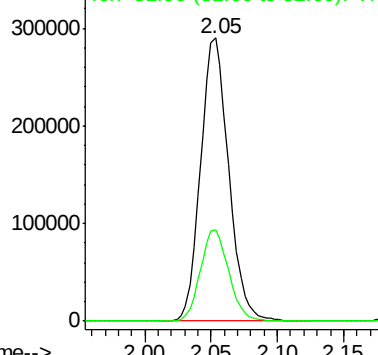
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 48.296 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057315.D

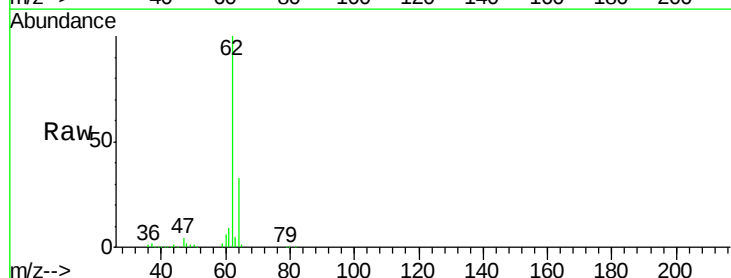
Acq: 15 Aug 2019 3:11

Tgt Ion: 62 Resp: 406804

Ion Ratio Lower Upper

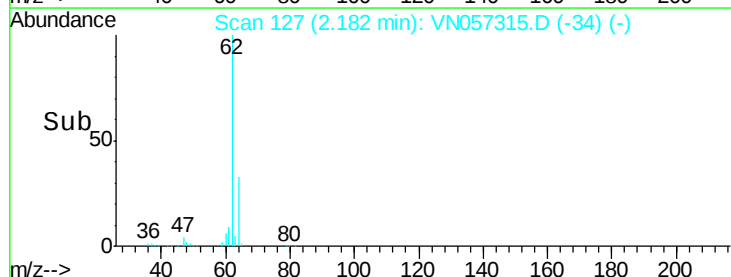
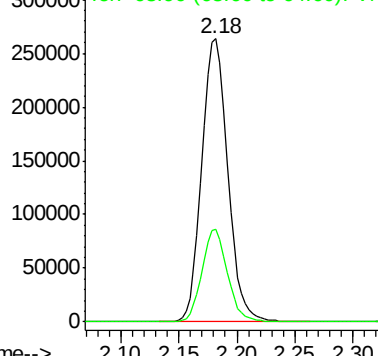
62 100

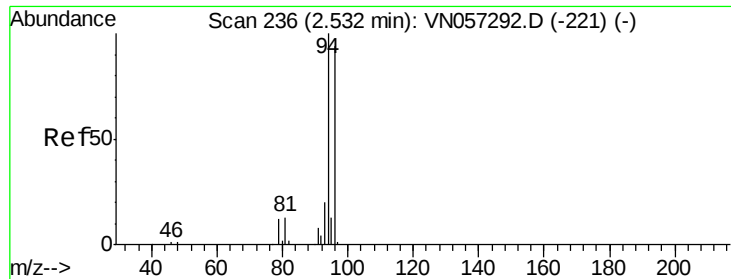
64 32.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 48.011 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 288271

Ion Ratio Lower Upper

94 100

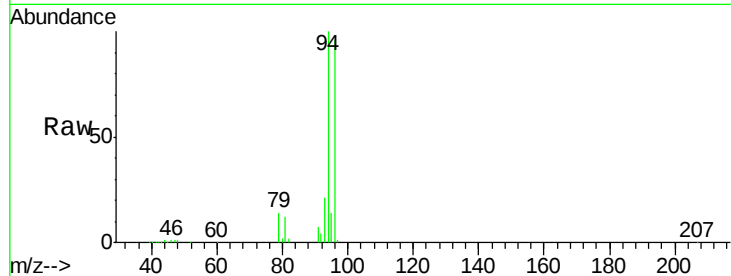
96 95.8 75.0 112.6

Manual Integrations

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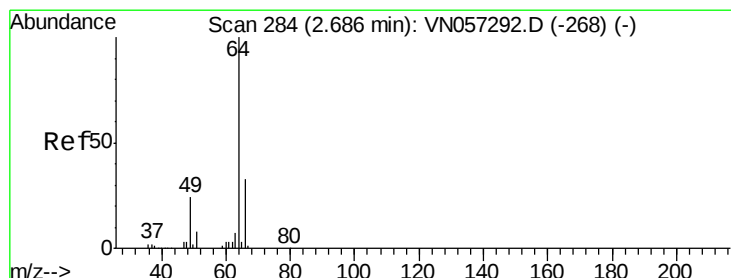
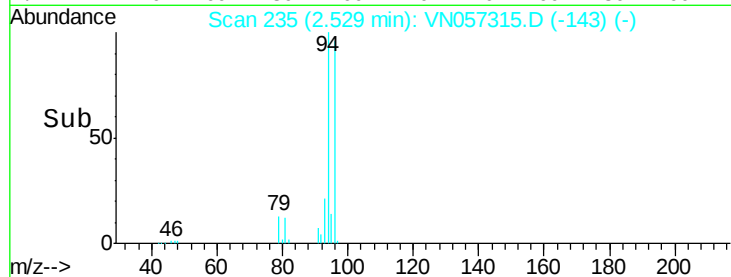
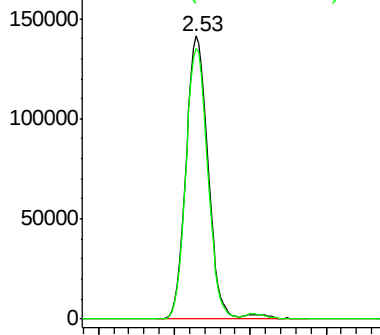
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.661 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN057315.D

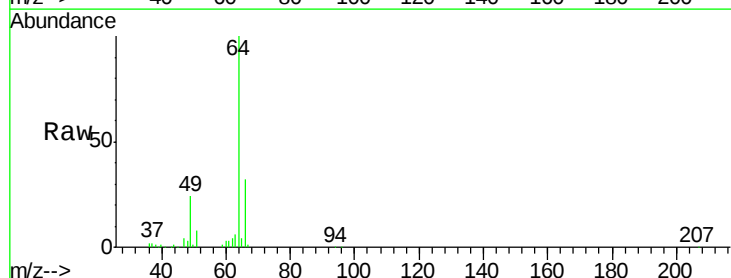
Acq: 15 Aug 2019 3:11

Tgt Ion: 64 Resp: 281936

Ion Ratio Lower Upper

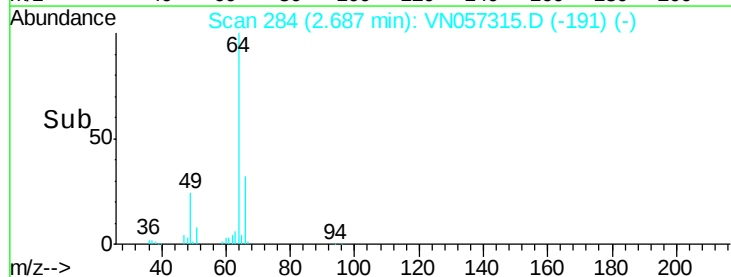
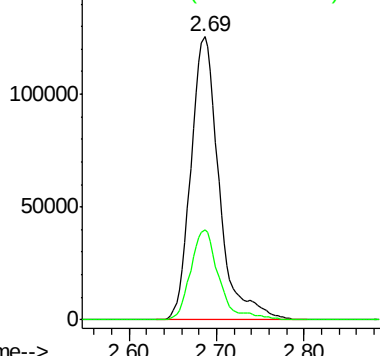
64 100

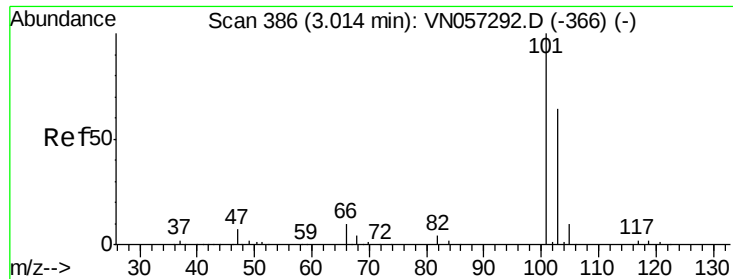
66 31.8 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

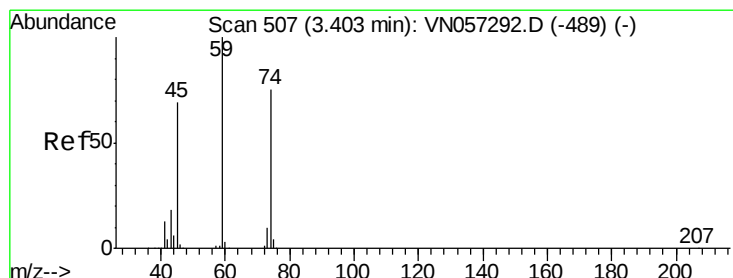
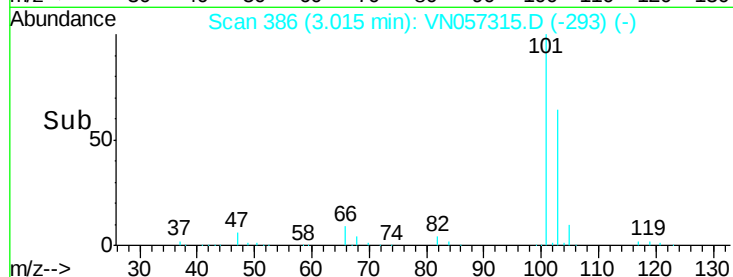
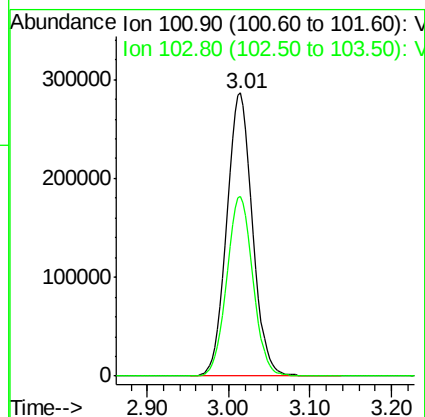
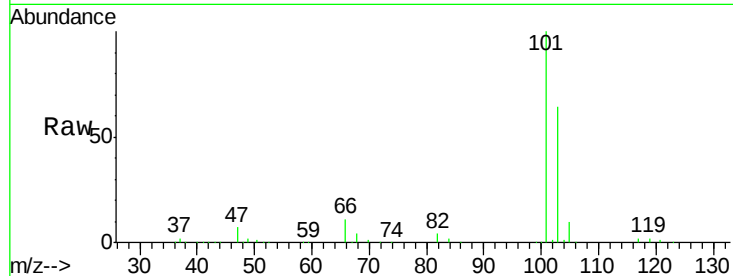
Trichlorofluoromethane
Concen: 48.277 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 637837
Ion Ratio Lower Upper
101 100
103 63.7 51.5 77.3

Manual Integrations
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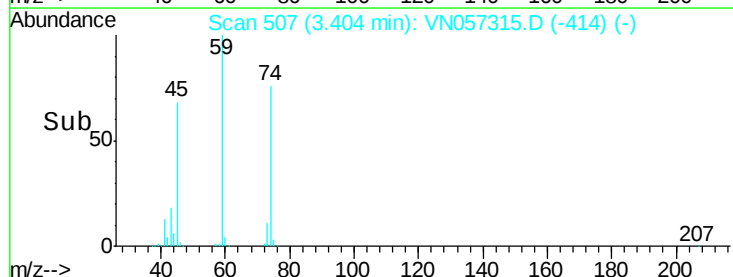
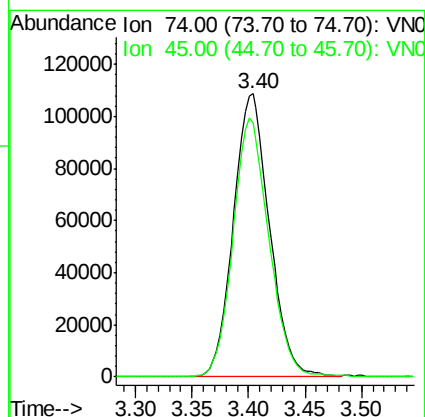
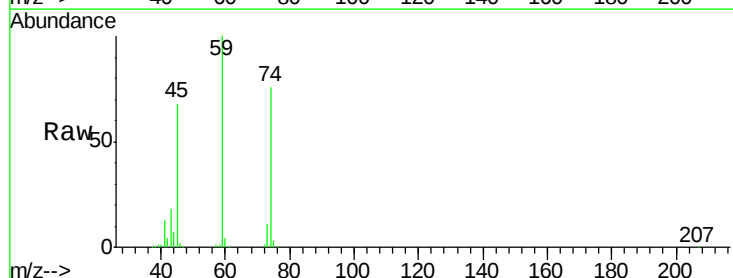
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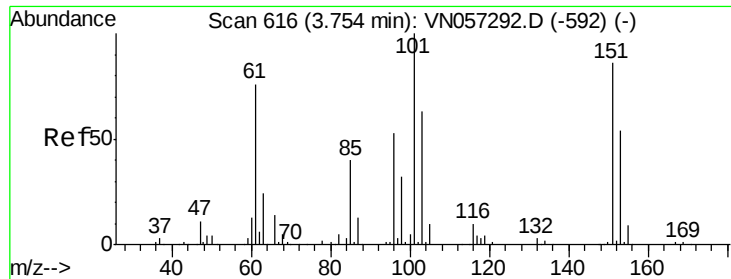


#8

Diethyl Ether
Concen: 48.558 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Tgt Ion: 74 Resp: 241469
Ion Ratio Lower Upper
74 100
45 91.0 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.117 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

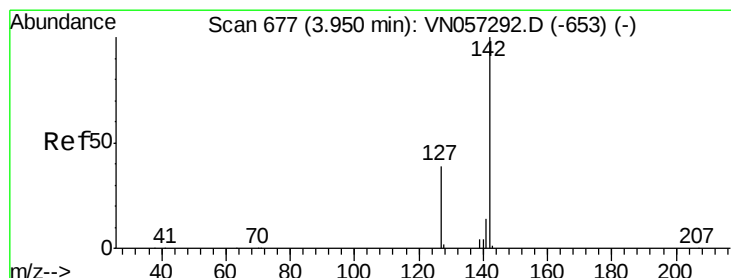
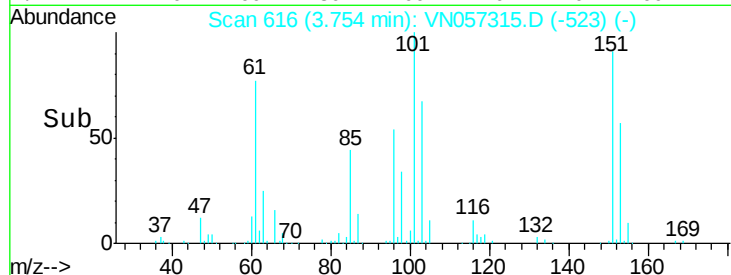
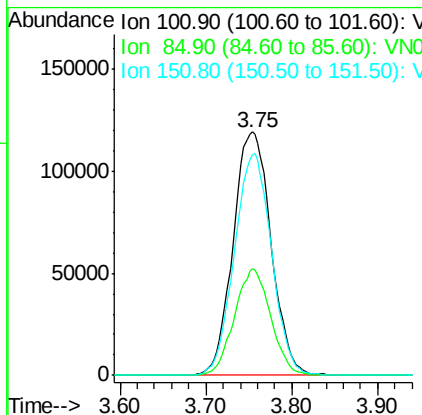
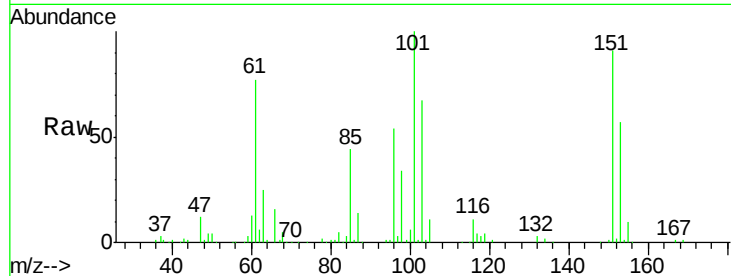
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	365741
Ion Ratio	Lower	Upper	
101	100		
85	41.9	32.7	49.1
151	89.4	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 51.216 ug/l

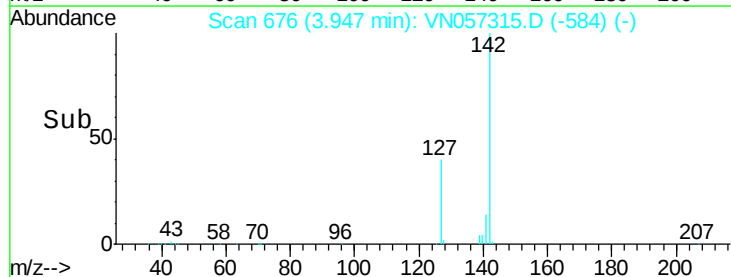
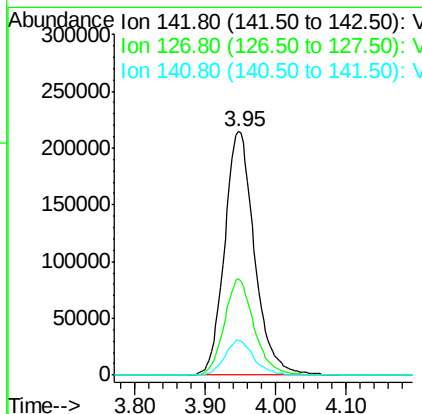
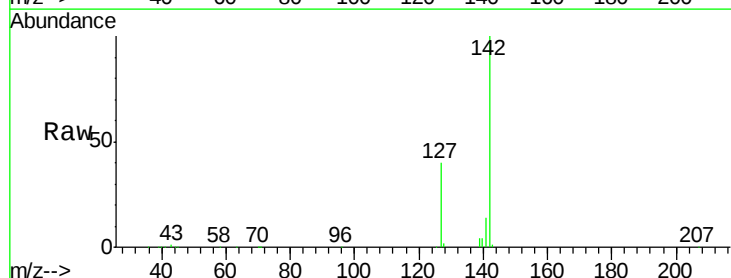
RT: 3.95 min Scan# 676

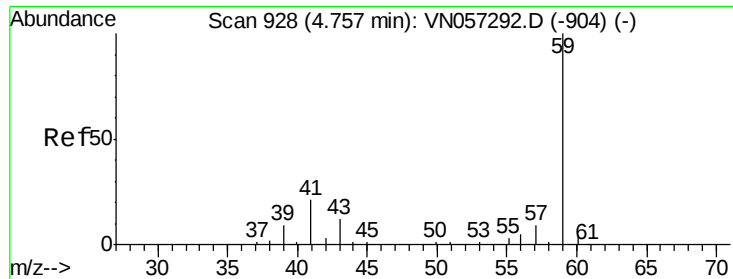
Delta R.T. -0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Tgt Ion:	142	Resp:	635475
Ion Ratio	Lower	Upper	
142	100		
127	39.3	31.6	47.4
141	14.0	11.2	16.8





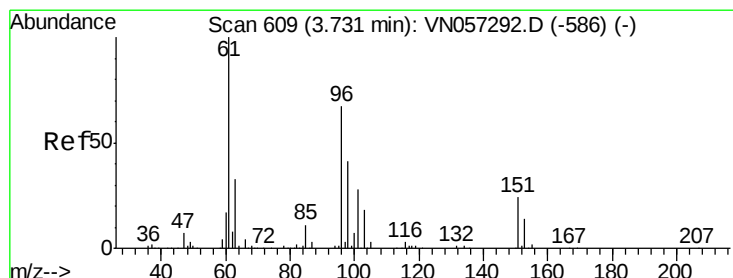
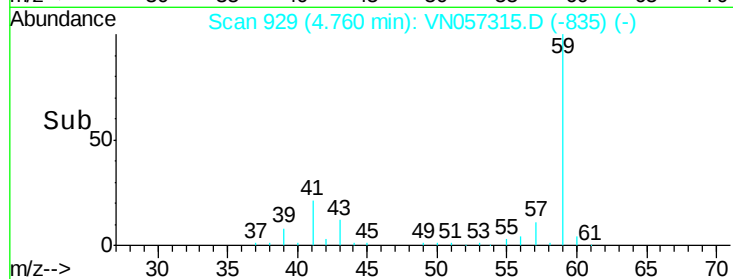
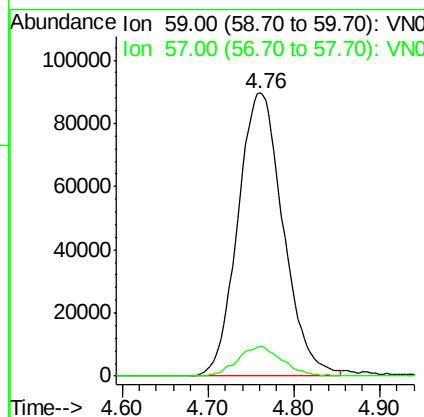
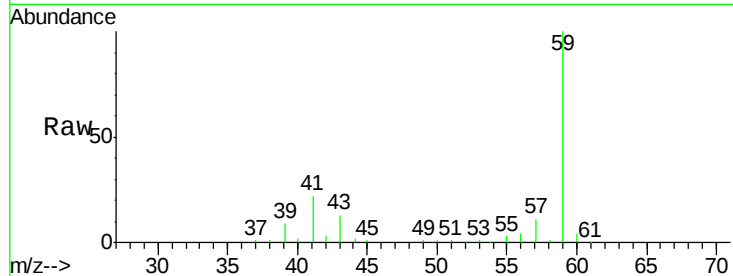
#11
Tert butyl alcohol
Concen: 240.824 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.1	Resp	328084	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	10.1	Resp	328084	Lower	8.2	Upper	12.2

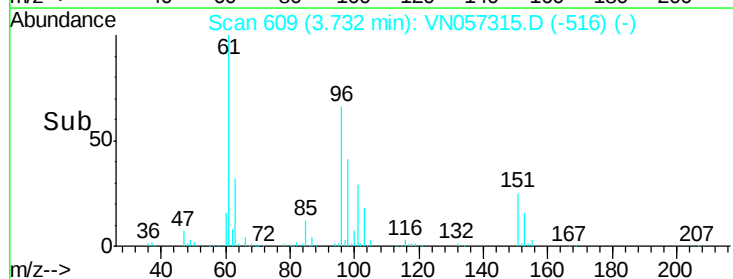
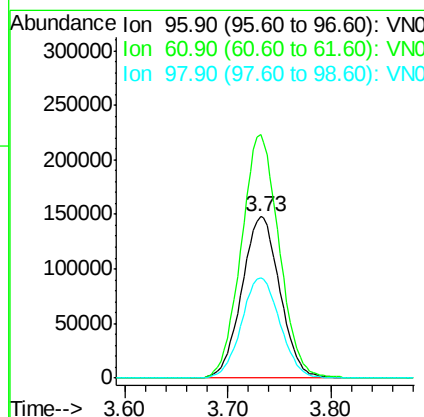
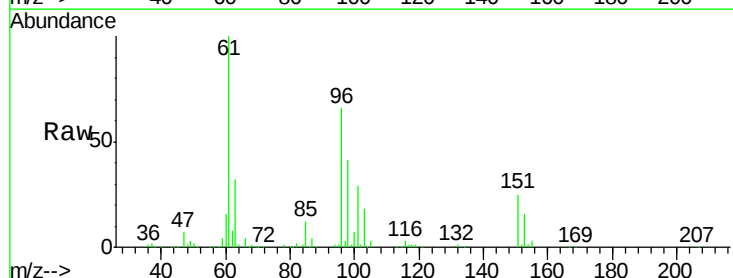
Manual Integrations
APPROVED

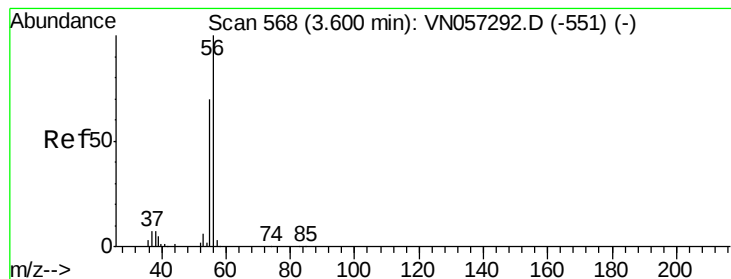
MMDadoda
8/19/2019 1:53:24 AM



#12
1,1-Dichloroethene
Concen: 49.185 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Tgt Ion	96	61	98	Ratio	100	150.7	61.8	Resp	380407	Lower	119.7	49.0	Upper	179.5	73.4
Ion	96	61	98	Ratio	100	150.7	61.8	Resp	380407	Lower	119.7	49.0	Upper	179.5	73.4





#13

Acrolein

Concen: 226.692 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 187481

Ion Ratio Lower Upper

56 100

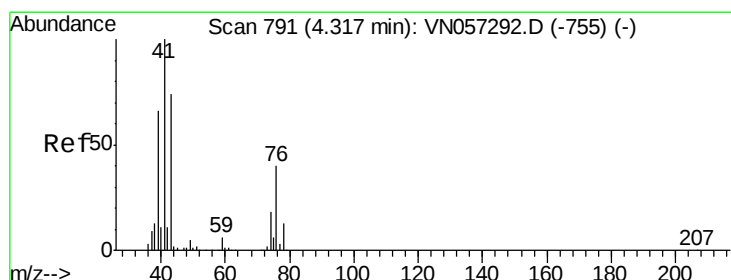
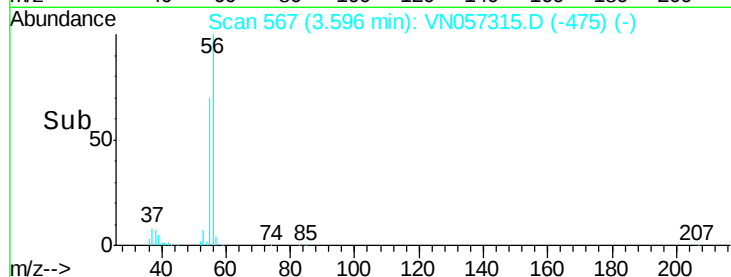
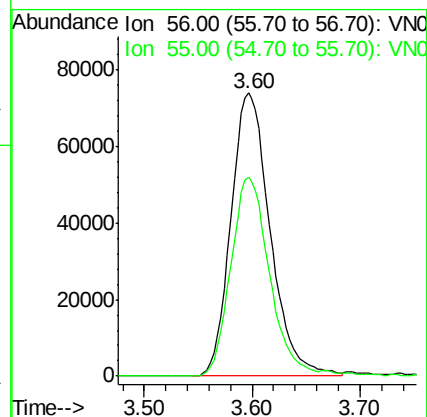
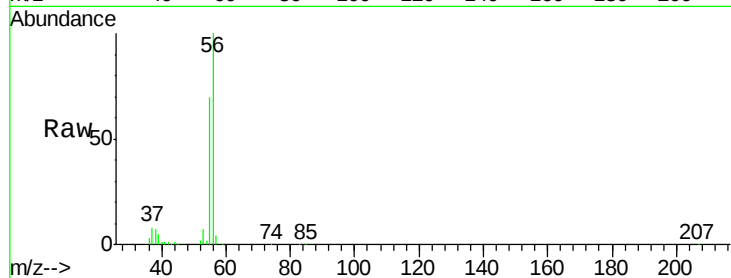
55 68.6 56.6 84.8

Manual Integrations

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MMdadoda

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#14

Allyl chloride

Concen: 43.091 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

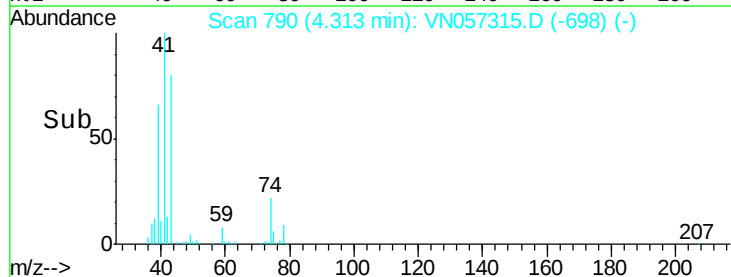
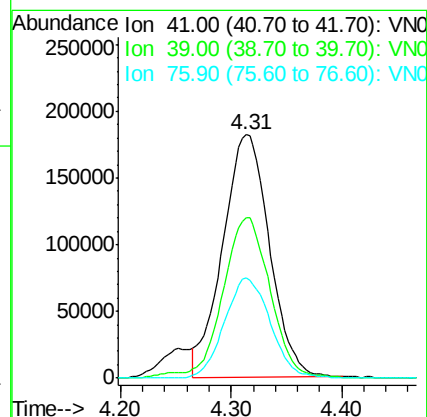
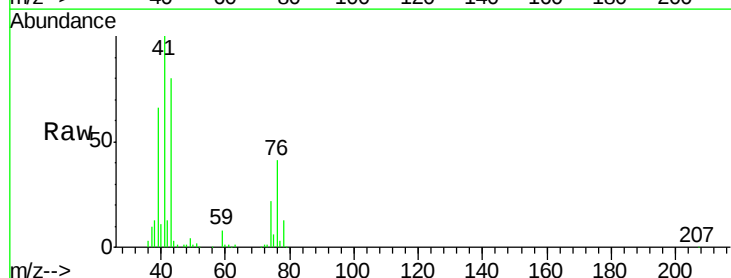
Tgt Ion: 41 Resp: 534221

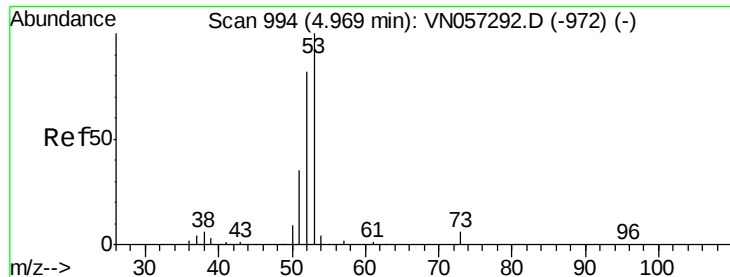
Ion Ratio Lower Upper

41 100

39 65.5 49.0 73.6

76 40.1 29.0 43.4





#15

Acrylonitrile

Concen: 253.389 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

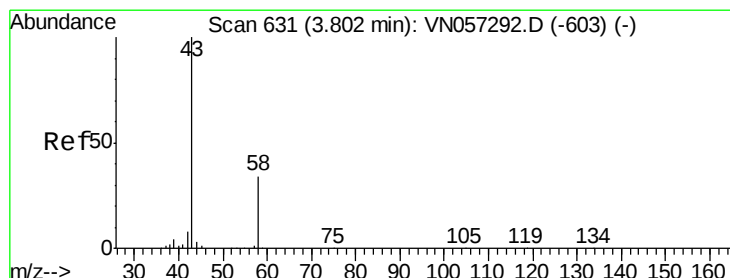
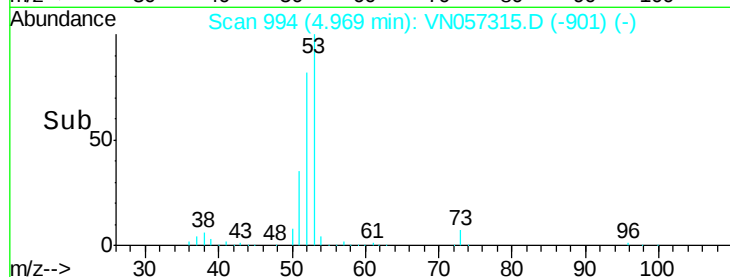
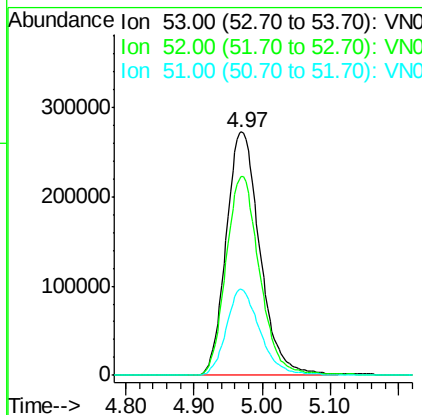
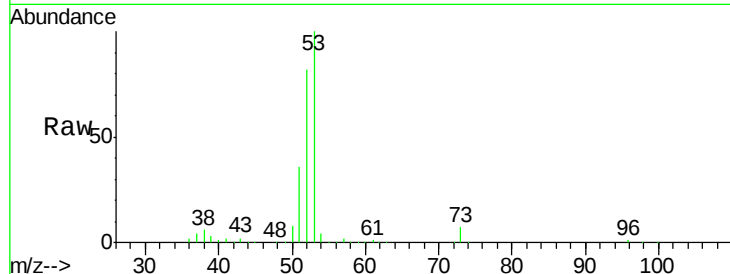
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	937190
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.2	99.2
51	35.4	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 215.240 ug/l

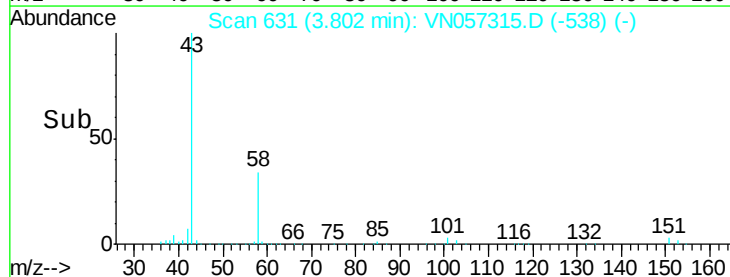
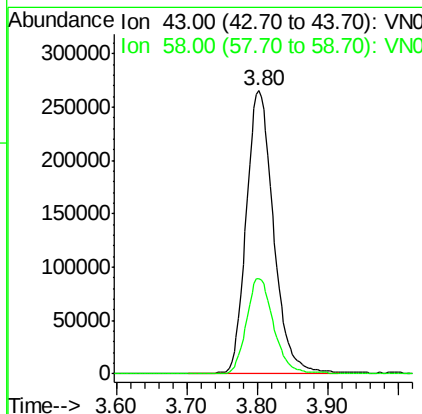
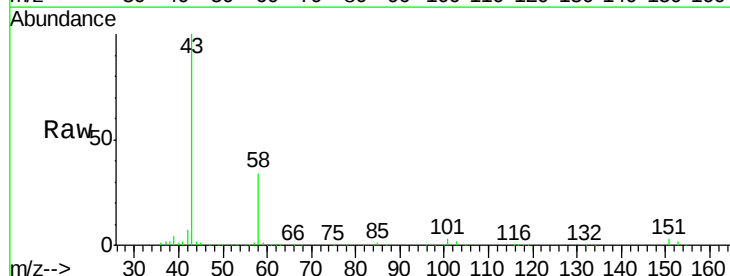
RT: 3.80 min Scan# 631

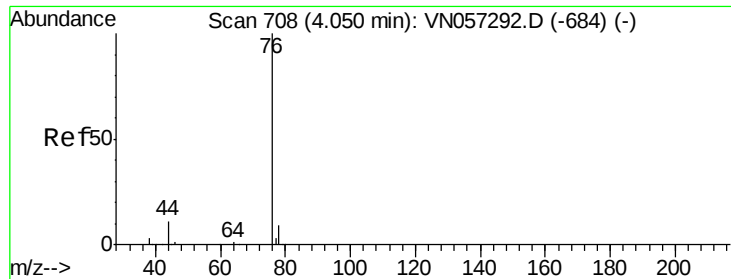
Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Tgt Ion:	43	Resp:	715514
Ion Ratio	Lower	Upper	
43	100		
58	33.7	27.0	40.6





#17

Carbon Disulfide

Concen: 47.904 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 998145

Ion Ratio Lower Upper

76 100

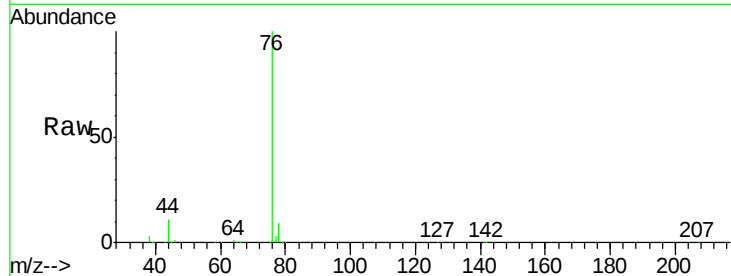
78 9.2 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.05

400000

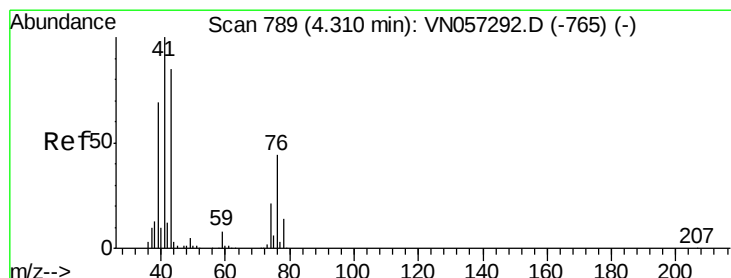
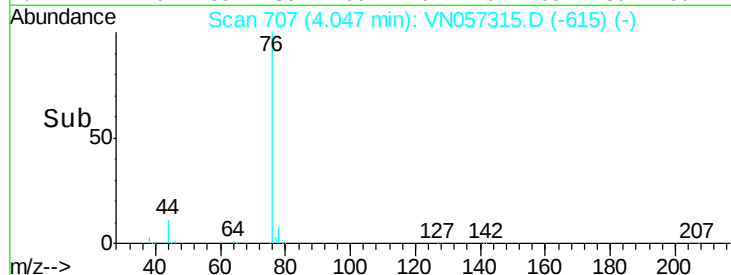
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 49.707 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN057315.D

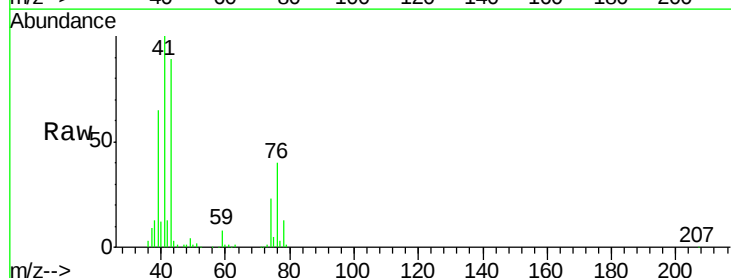
Acq: 15 Aug 2019 3:11

Tgt Ion: 43 Resp: 441647

Ion Ratio Lower Upper

43 100

74 26.0 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.31

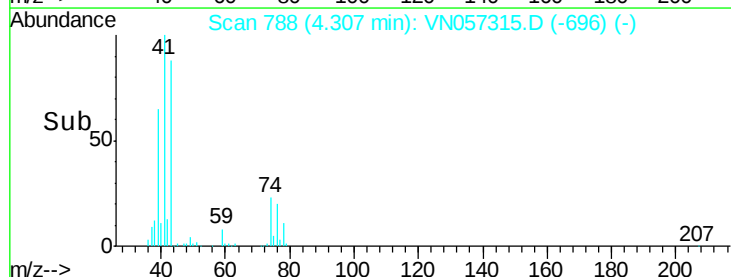
150000

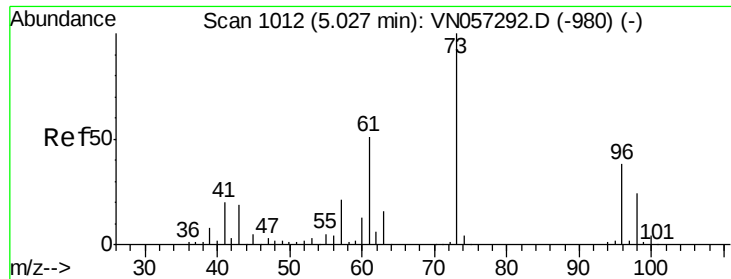
100000

50000

0

Time-->





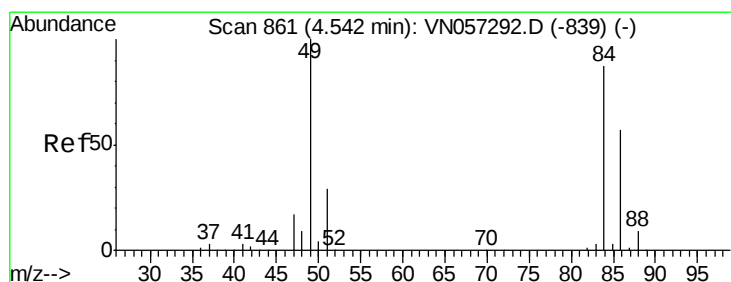
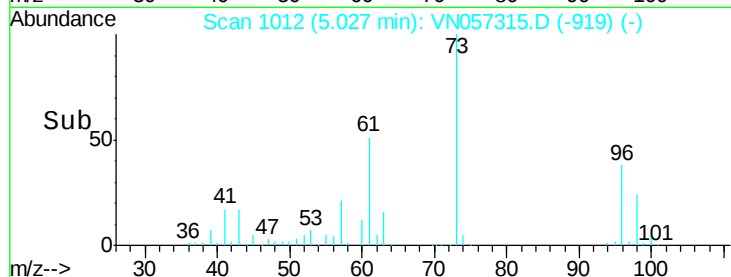
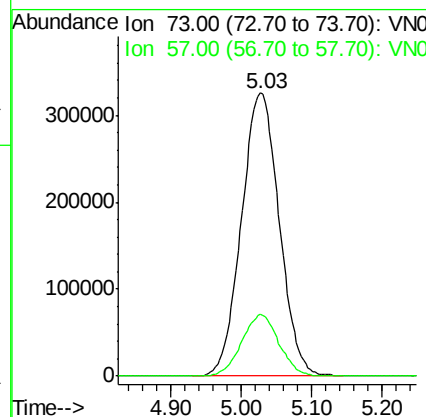
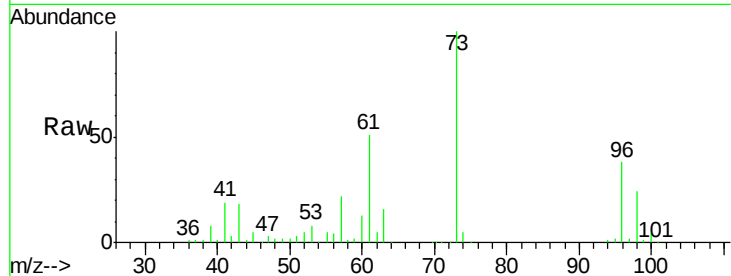
#19
Methvl tert-butvl Ether
Concen: 50.113 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1216159
Ion Ratio Lower Upper
73 100
57 21.6 16.9 25.3

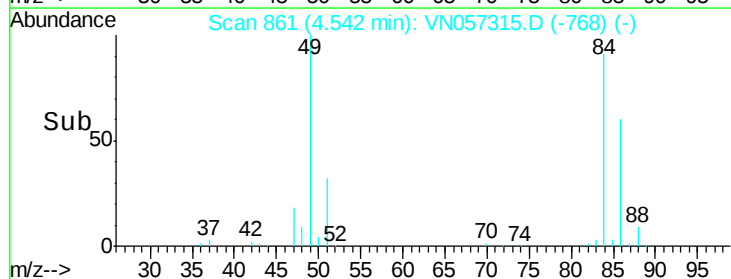
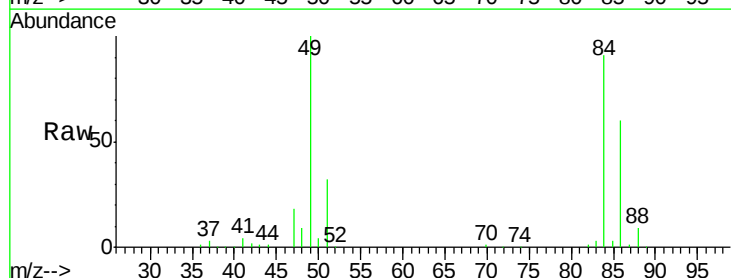
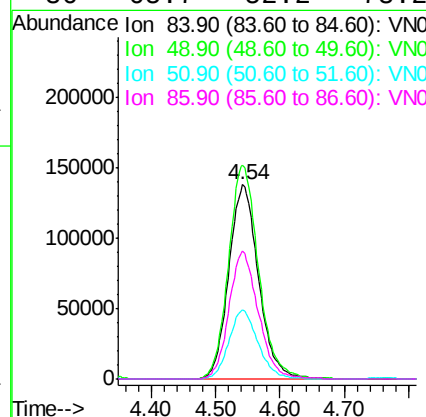
Manual Integrations
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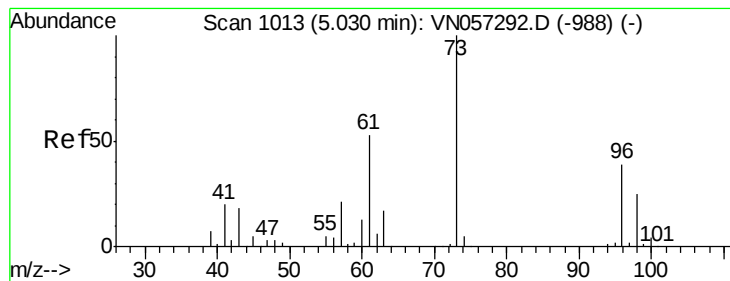
MMdadoda
8/19/2019 1:53:24 AM



#20
Methylene Chloride
Concen: 47.826 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Tgt Ion: 84 Resp: 444832
Ion Ratio Lower Upper
84 100
49 110.0 92.0 138.0
51 35.3 27.1 40.7
86 65.7 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 49.010 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 407625

Ion Ratio Lower Upper

96 100

61 132.8 109.5 164.3

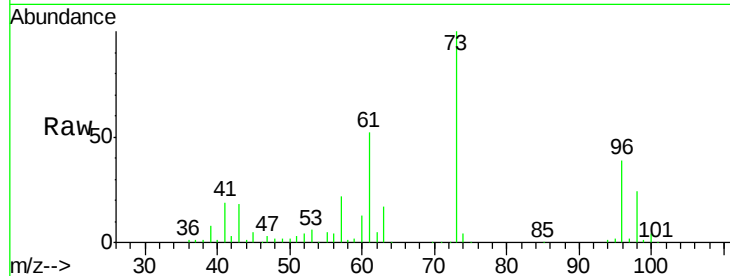
98 62.0 51.0 76.6

Manual Integrations

APPROVED

MMdadoda

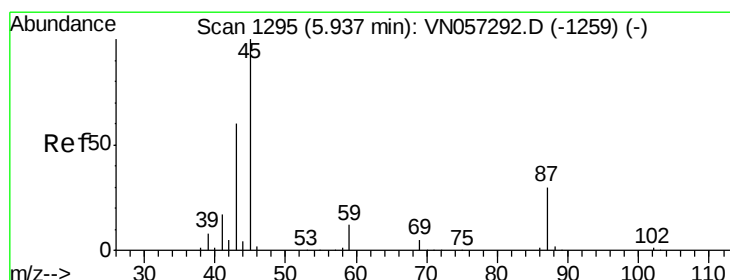
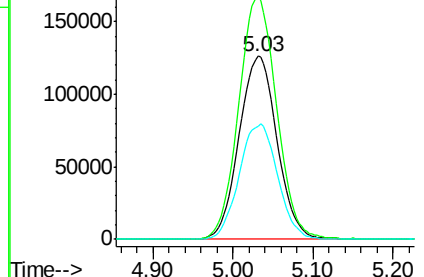
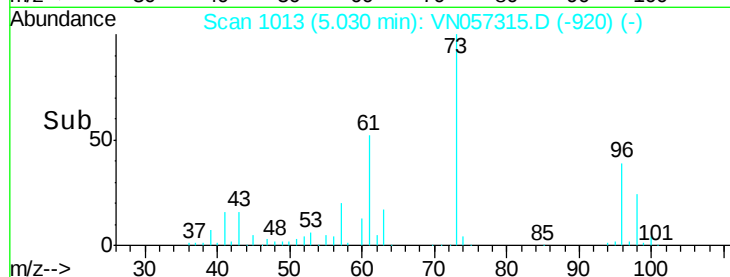
8/19/2019 1:53:24 AM



Abundance Ion 95.90 (95.60 to 96.60): VN057315.D (-920) (-)

Ion 60.90 (60.60 to 61.60): VN057315.D (-920) (-)

Ion 97.90 (97.60 to 98.60): VN057315.D (-920) (-)



#22

Diisopropyl ether

Concen: 49.191 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Tgt Ion: 45 Resp: 1204715

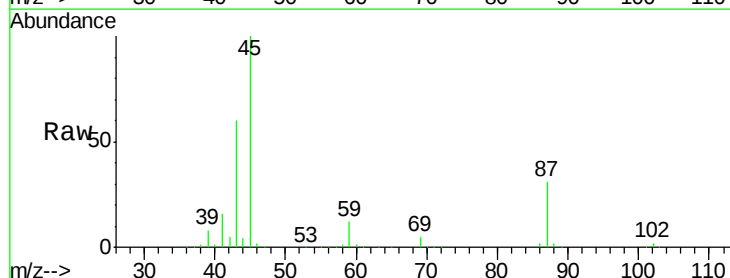
Ion Ratio Lower Upper

45 100

43 59.2 48.3 72.5

87 30.7 24.6 36.8

59 11.9 9.8 14.8

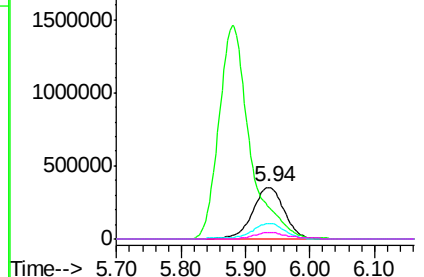
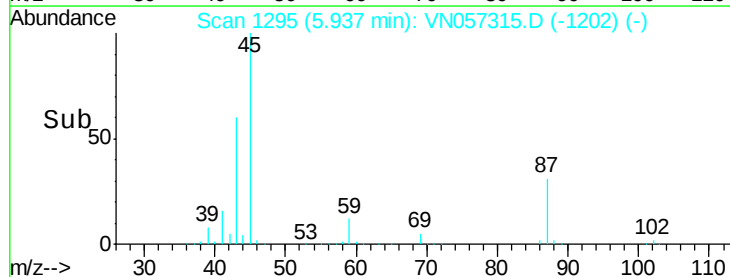


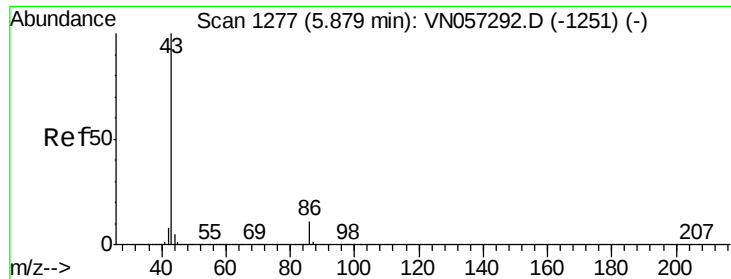
Abundance Ion 45.00 (44.70 to 45.70): VN057315.D (-1202) (-)

Ion 43.00 (42.70 to 43.70): VN057315.D (-1202) (-)

Ion 87.00 (86.70 to 87.70): VN057315.D (-1202) (-)

Ion 59.00 (58.70 to 59.70): VN057315.D (-1202) (-)





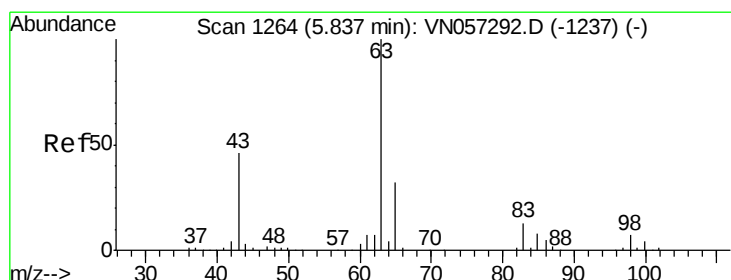
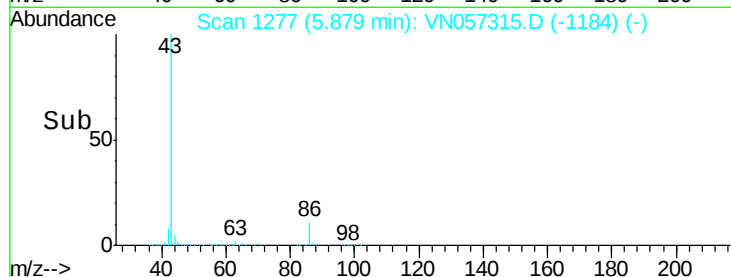
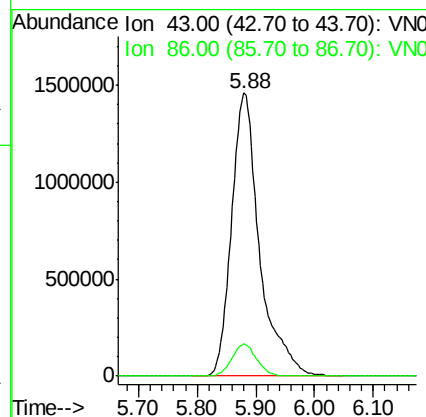
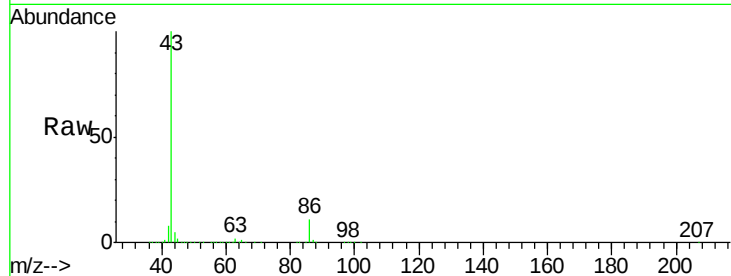
#23
 Vinyl Acetate
 Concen: 245.792 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN057315.D
 Acq: 15 Aug 2019 3:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 4844637
 Ion Ratio Lower Upper
 43 100
 86 11.4 8.7 13.1

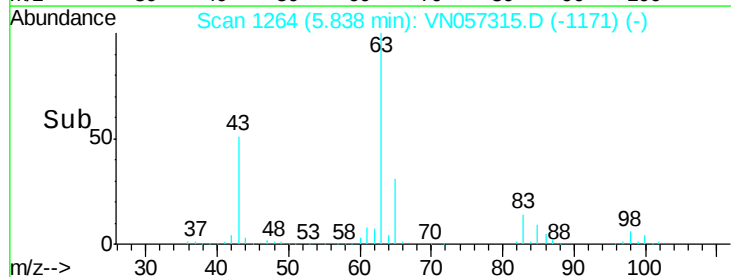
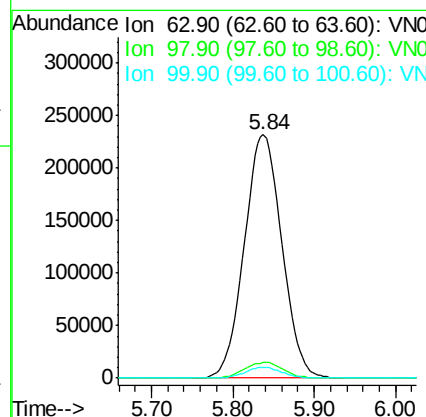
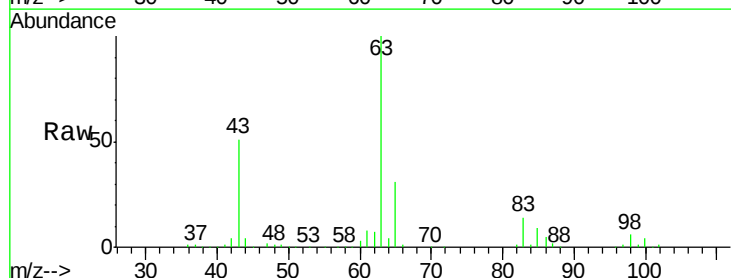
Manual Integrations
 APPROVED

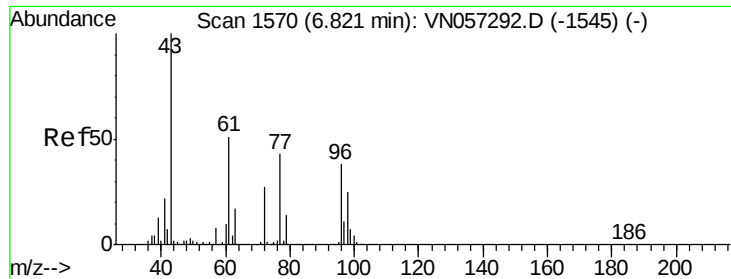
MMdadoda
 8/19/2019 1:53:24 AM



#24
 1,1-Dichloroethane
 Concen: 48.915 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VN057315.D
 Acq: 15 Aug 2019 3:11

Tgt Ion: 63 Resp: 737023
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.3 9.9
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 235.912 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1135655

Ion Ratio Lower Upper

43 100

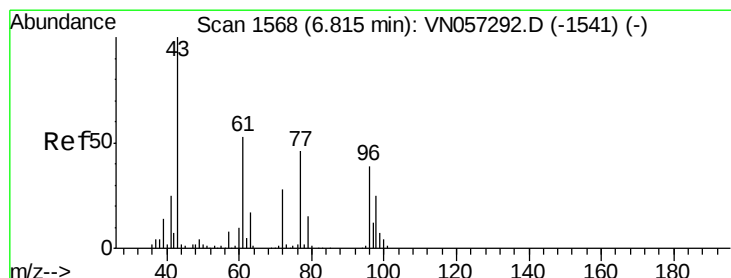
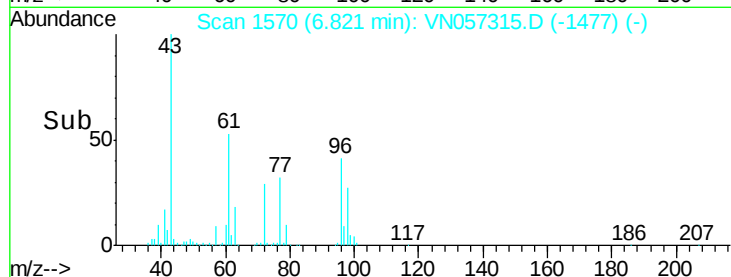
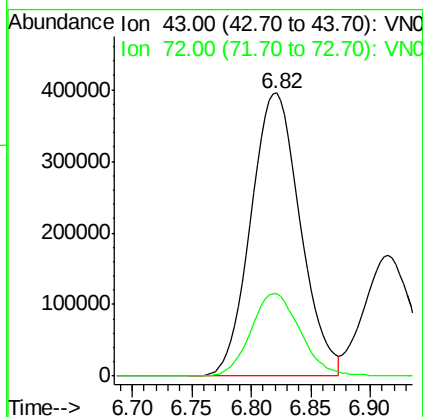
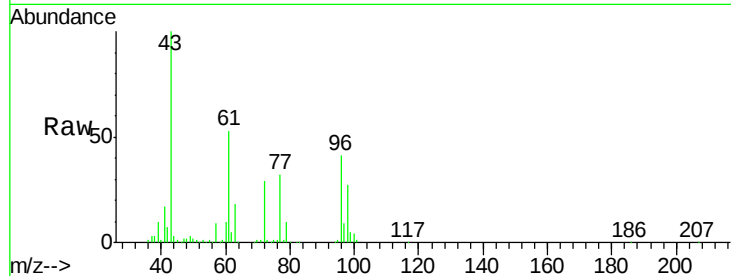
72 29.1 21.5 32.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 35.552 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057315.D

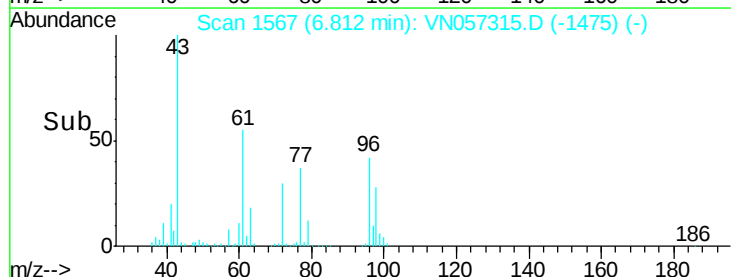
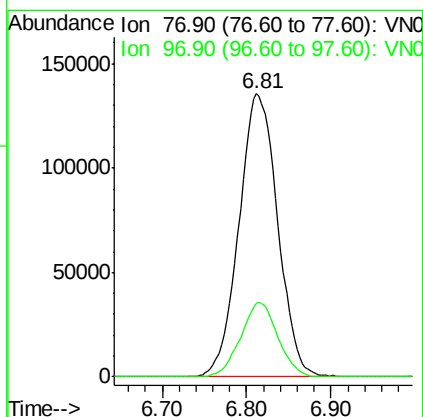
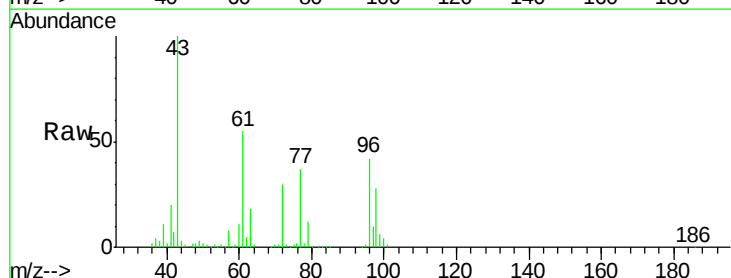
Acq: 15 Aug 2019 3:11

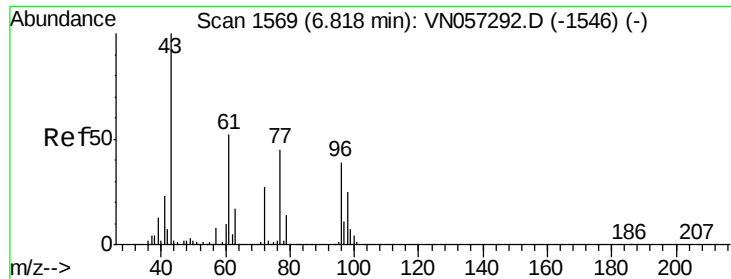
Tgt Ion: 77 Resp: 432923

Ion Ratio Lower Upper

77 100

97 25.3 12.3 36.9





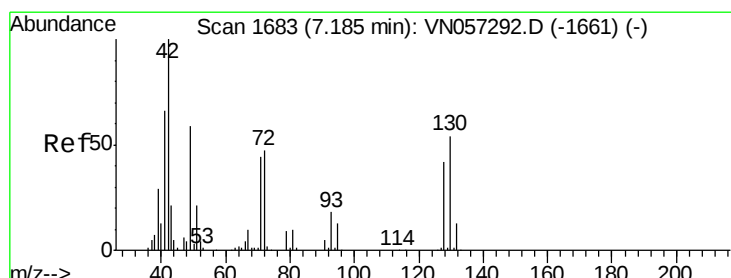
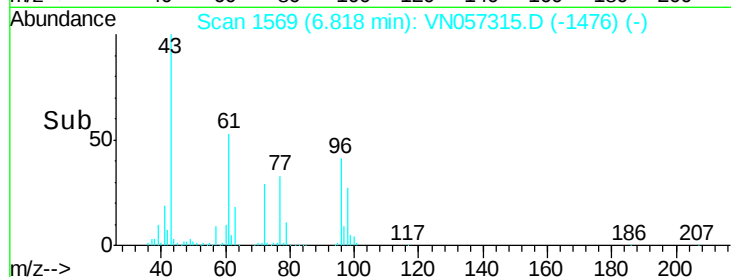
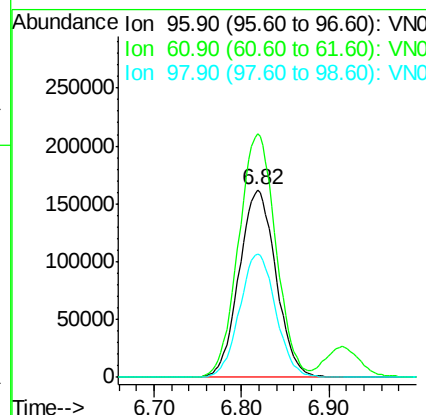
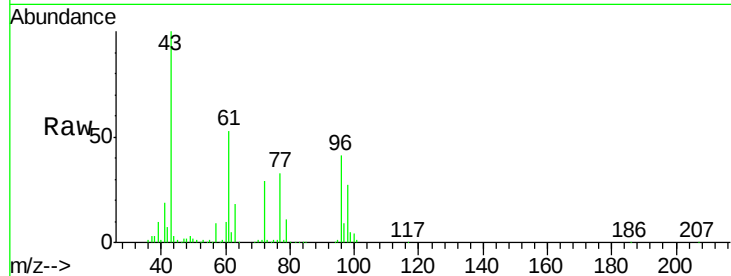
#27
 cis-1,2-Dichloroethene
 Concen: 48.104 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057315.D
 Acq: 15 Aug 2019 3:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	473659		
61	131.3	0.0	272.0	
98	64.6	0.0	130.4	

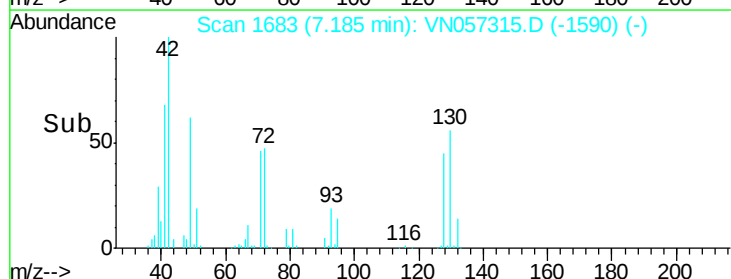
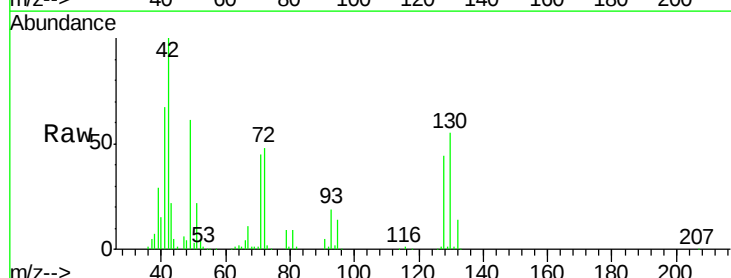
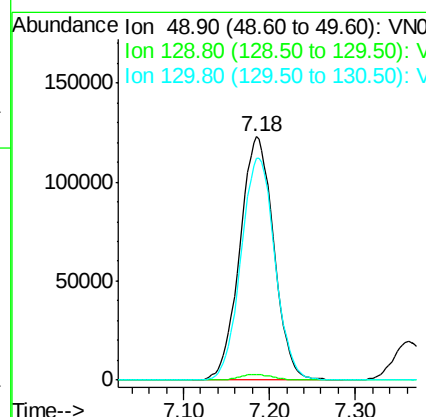
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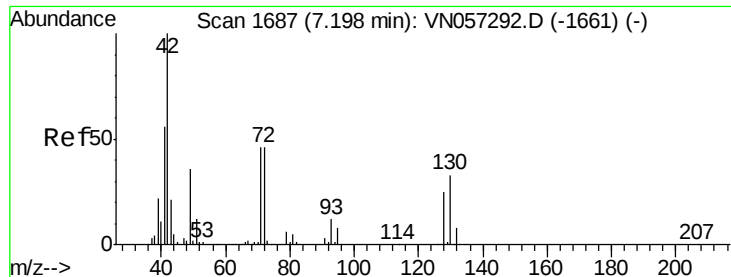
MMDadoda
 8/19/2019 1:53:24 AM



#28
 Bromochloromethane
 Concen: 50.405 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN057315.D
 Acq: 15 Aug 2019 3:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	337447		
129	2.3	0.0	2.0#	
130	91.2	73.2	109.8	





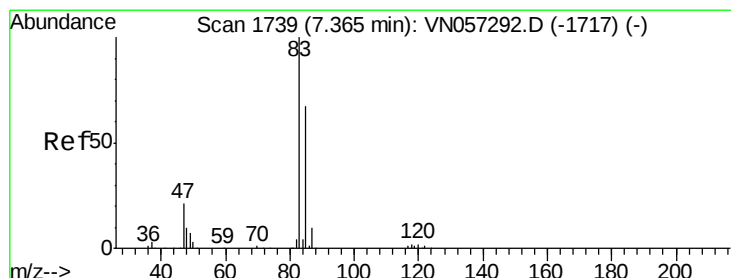
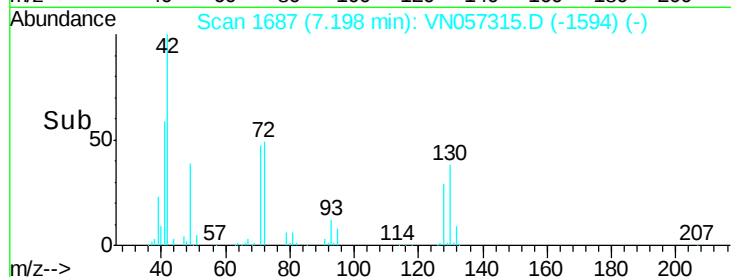
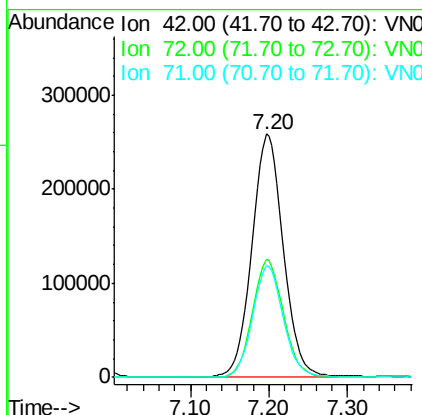
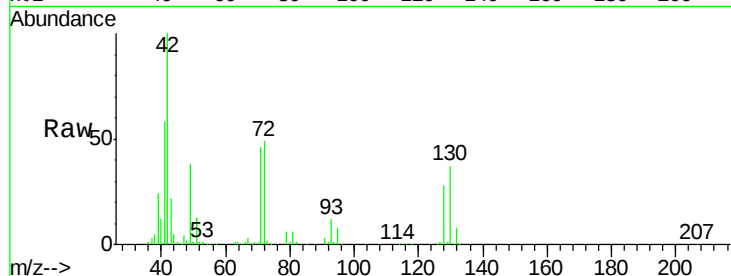
#29
Tetrahydrofuran
Concen: 240.551 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	37.8	56.6
71	45.0	35.7	53.5

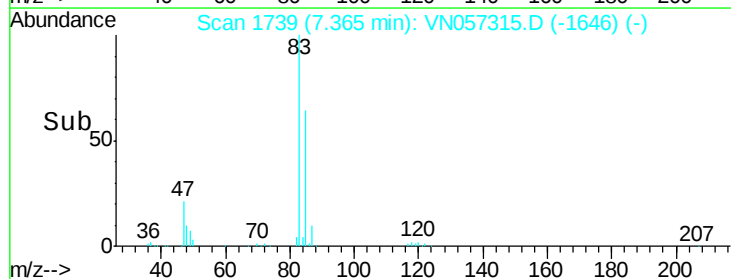
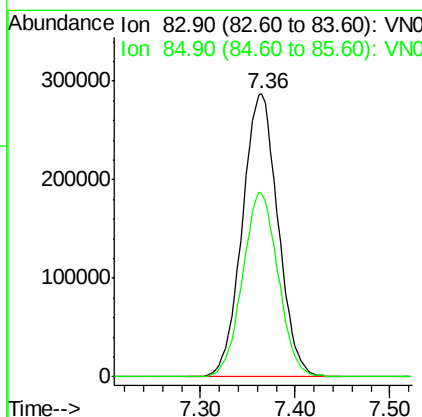
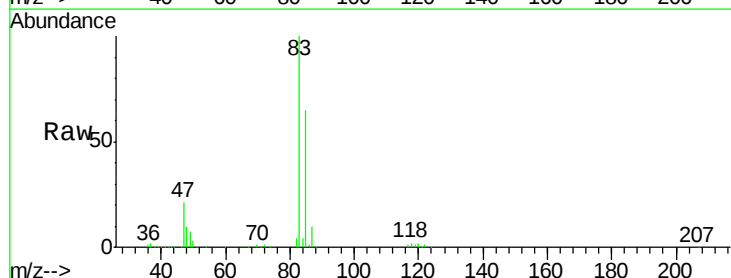
Manual Integrations
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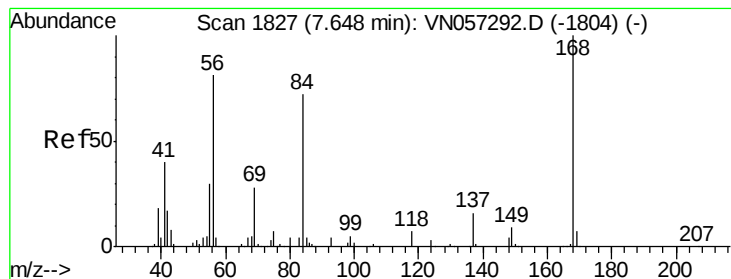
MMDadoda
8/19/2019 1:53:24 AM



#30
Chloroform
Concen: 47.701 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	53.3	79.9





#31

Cyclohexane

Concen: 46.653 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 609163

Ion Ratio Lower Upper

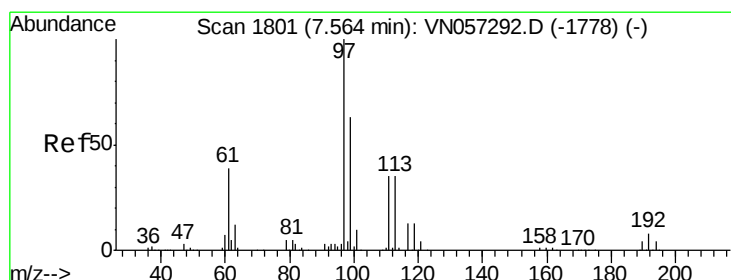
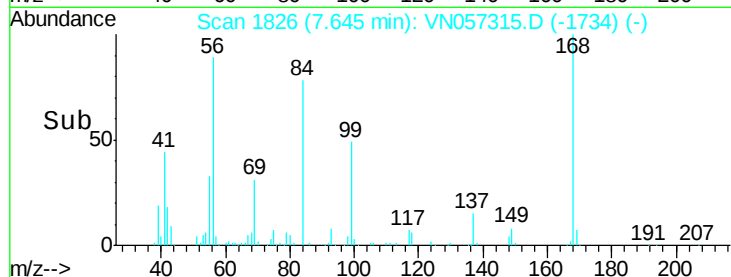
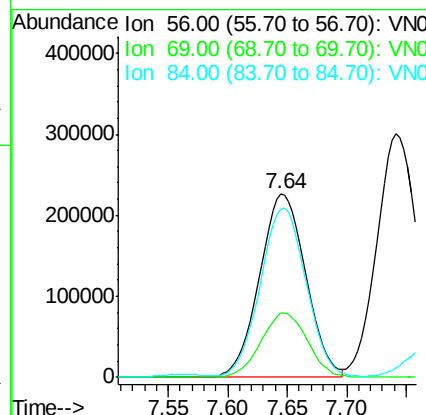
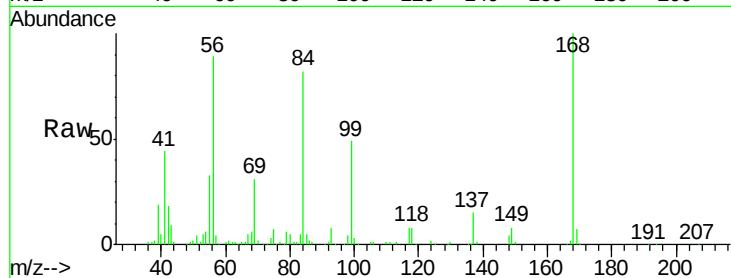
56 100

69 34.7 27.3 40.9

84 90.1 71.0 106.6

Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:53:24 AM



#32

1,1,1-Trichloroethane

Concen: 50.244 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

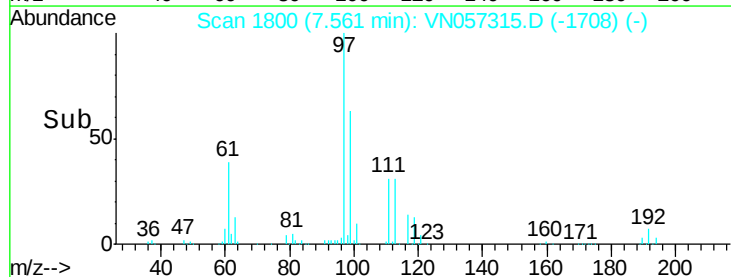
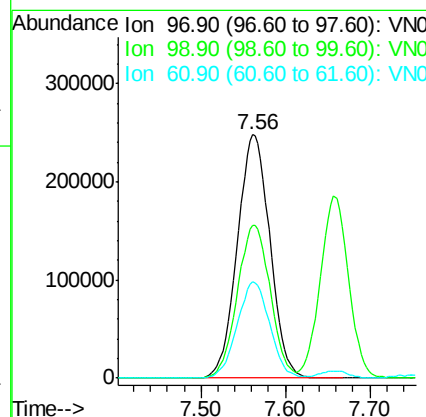
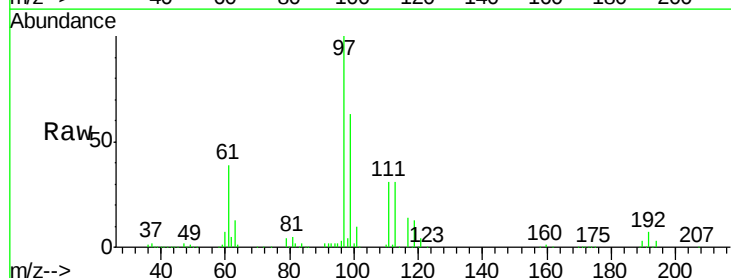
Tgt Ion: 97 Resp: 667280

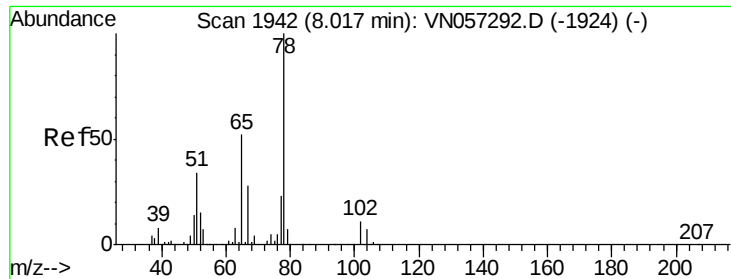
Ion Ratio Lower Upper

97 100

99 63.5 50.3 75.5

61 39.4 31.3 46.9





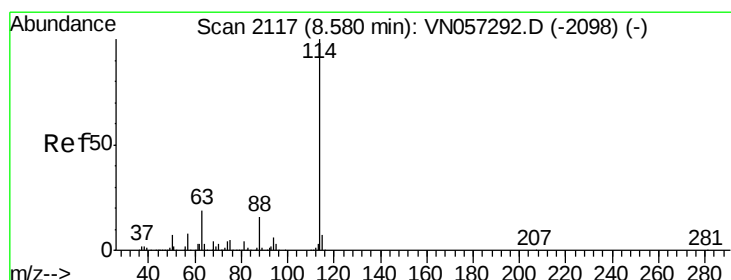
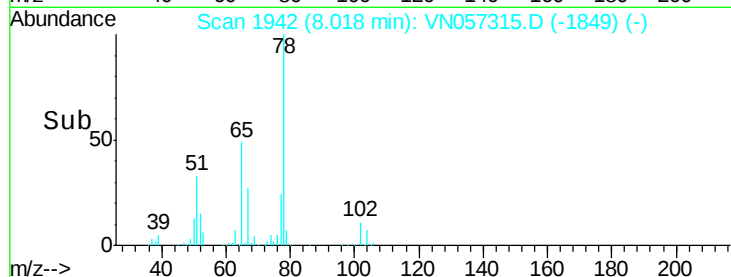
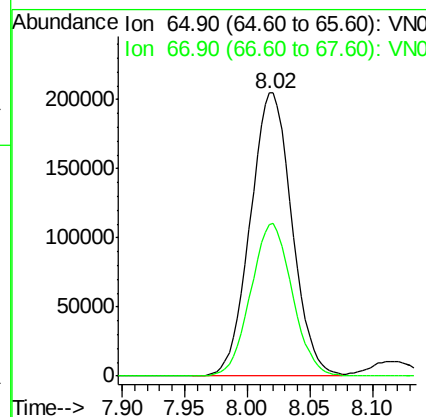
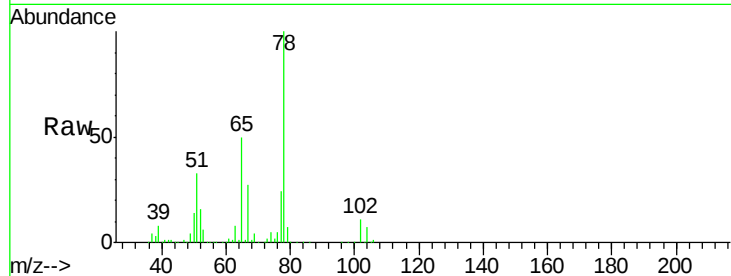
#33
 1,2-Dichloroethane-d4
 Concen: 49.411 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057315.D
 Acq: 15 Aug 2019 3:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	473499		
67	53.8	0.0	107.4	

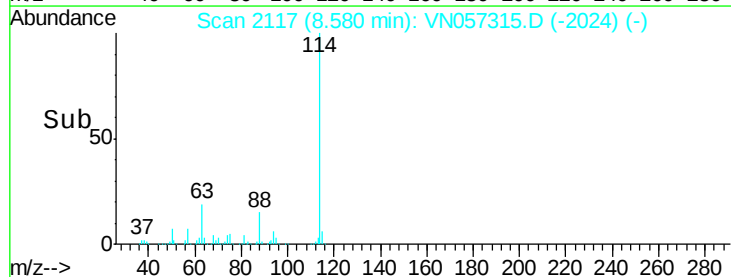
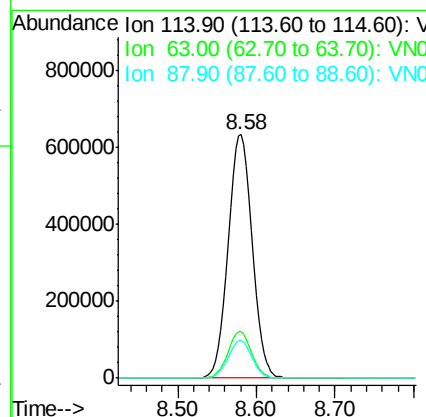
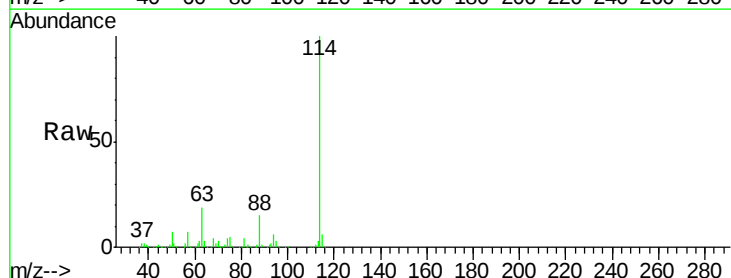
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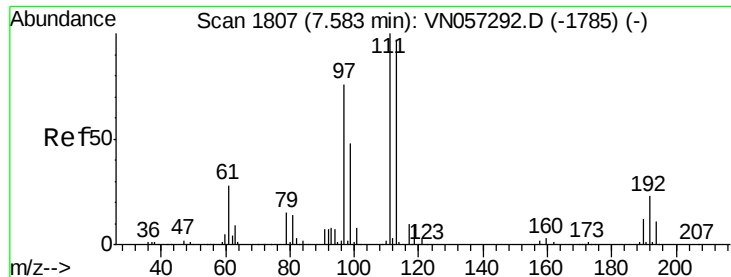
MMdadoda
 8/19/2019 1:53:24 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057315.D
 Acq: 15 Aug 2019 3:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1331042		
63	18.8	0.0	38.8	
88	15.5	0.0	31.4	





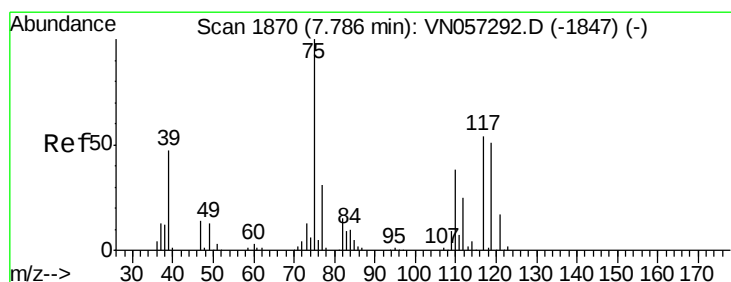
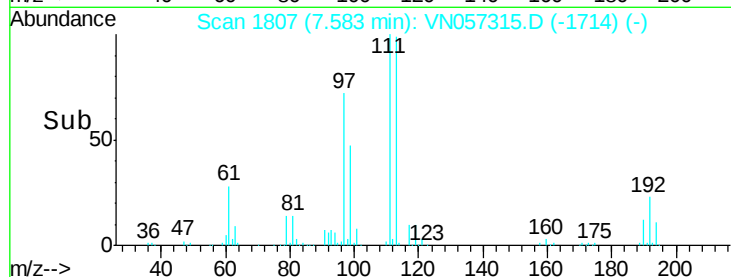
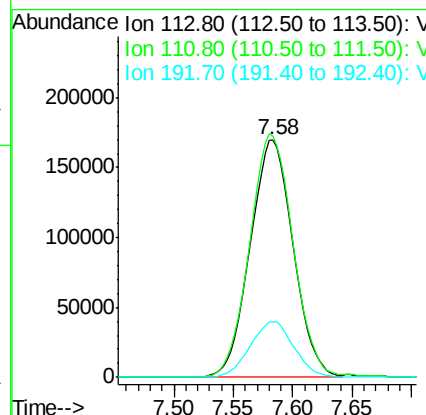
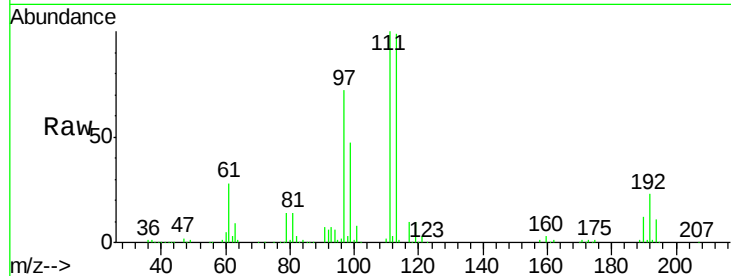
#35
 Dibromofluoromethane
 Concen: 48.715 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057315.D
 Acq: 15 Aug 2019 3:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	425051		
111	104.2	82.1	123.1	
192	23.9	19.3	28.9	

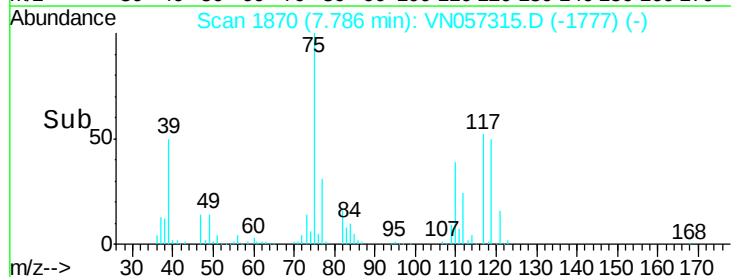
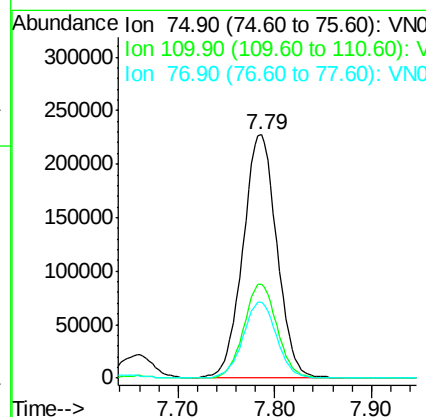
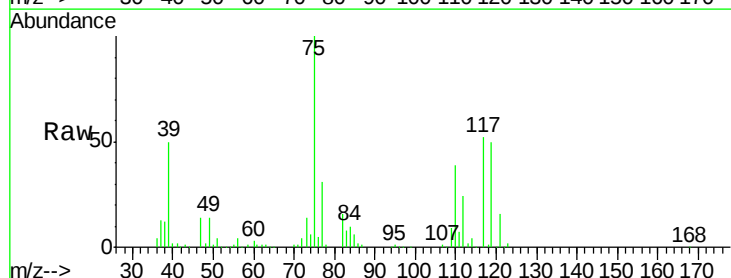
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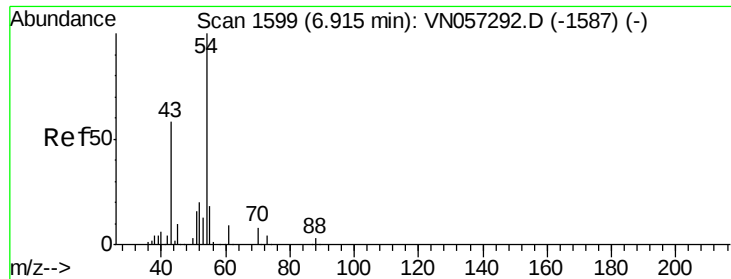
MMDadoda
 8/19/2019 1:53:24 AM



#36
 1,1-Dichloropropene
 Concen: 46.964 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN057315.D
 Acq: 15 Aug 2019 3:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	551928		
110	37.9	19.5	58.5	
77	31.1	25.0	37.6	





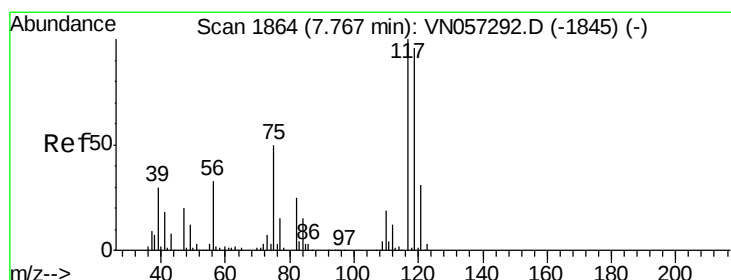
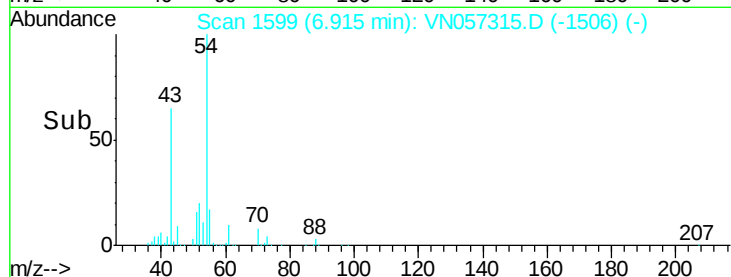
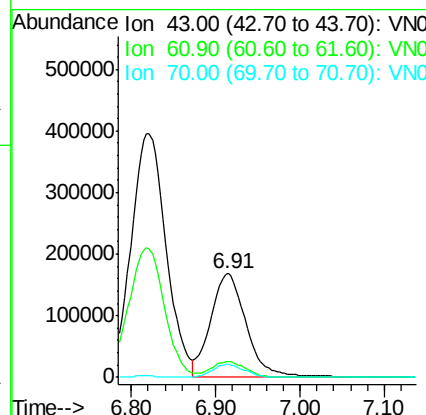
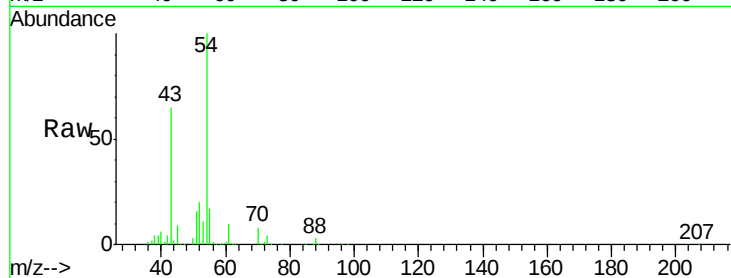
#37
Ethyl Acetate
Concen: 50.317 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.0	18.0
70	11.1	9.2	13.8

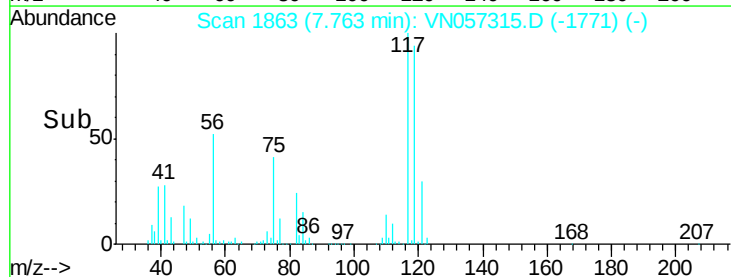
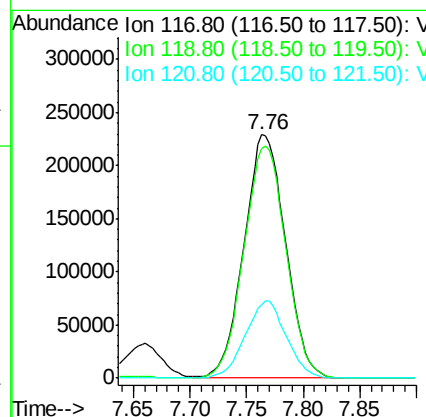
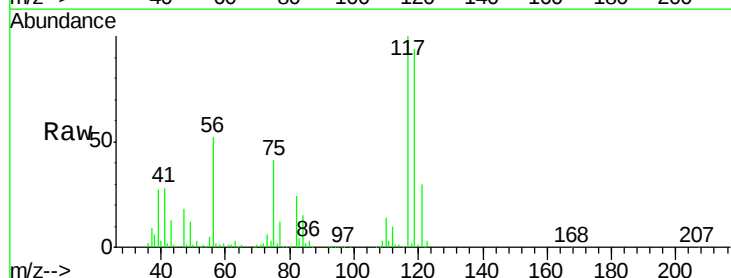
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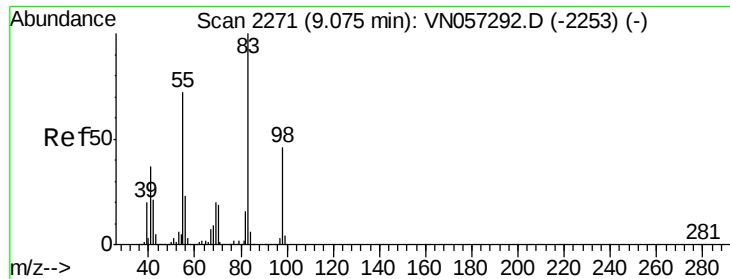
MMDadoda
8/19/2019 1:53:24 AM



#38
Carbon Tetrachloride
Concen: 47.739 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.8	115.2
121	30.4	25.0	37.4





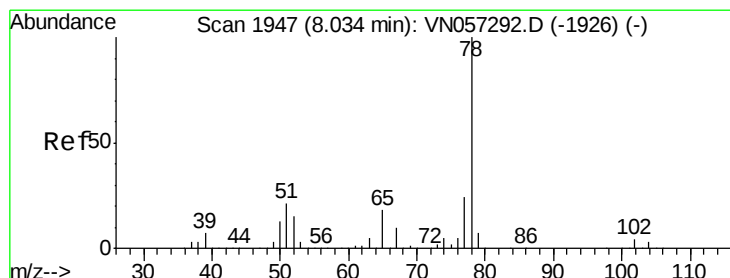
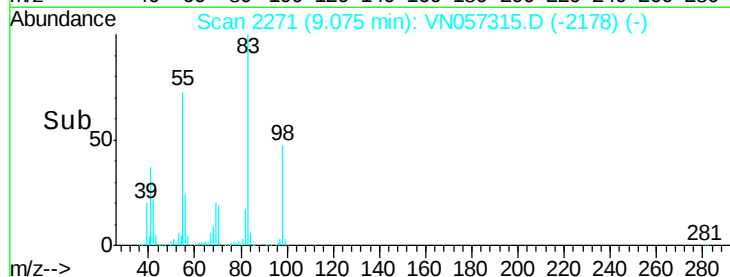
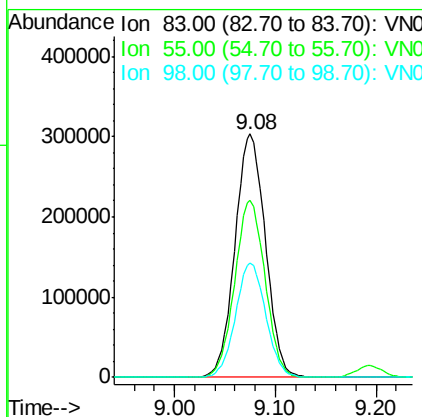
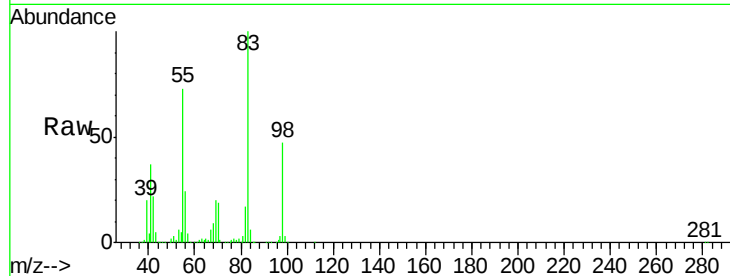
#39
Methylvlcyclohexane
Concen: 46.202 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	57.5	86.3
98	47.0	36.6	55.0

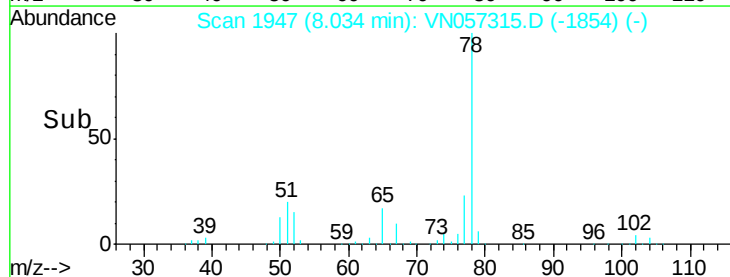
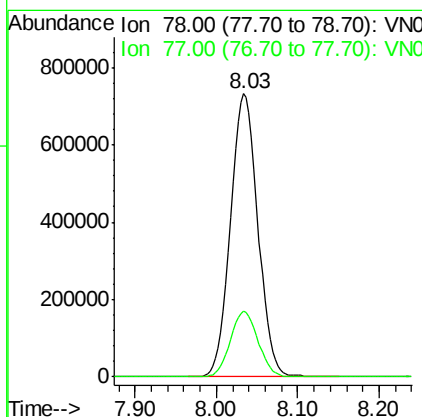
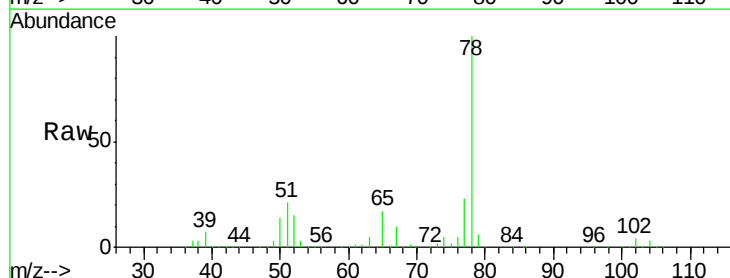
Manual Integrations
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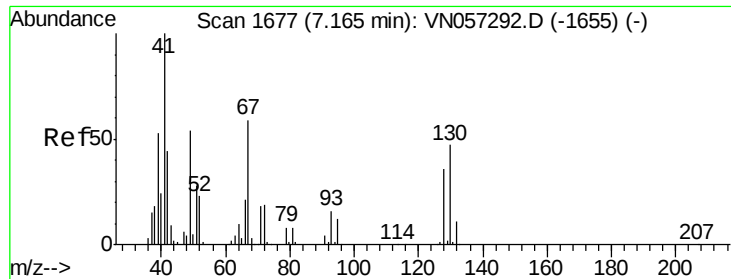
MMDadoda
8/19/2019 1:53:24 AM



#40
Benzene
Concen: 47.870 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7





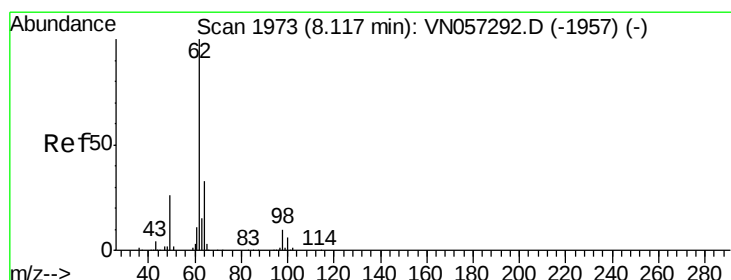
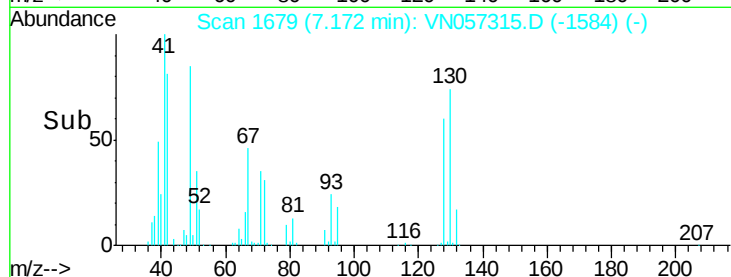
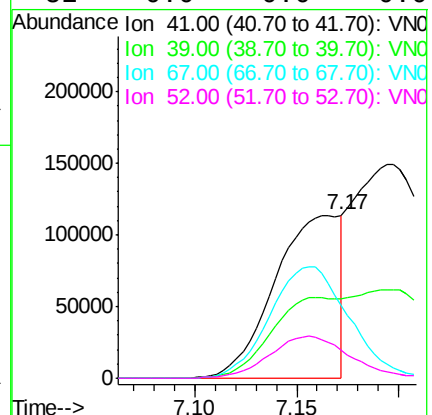
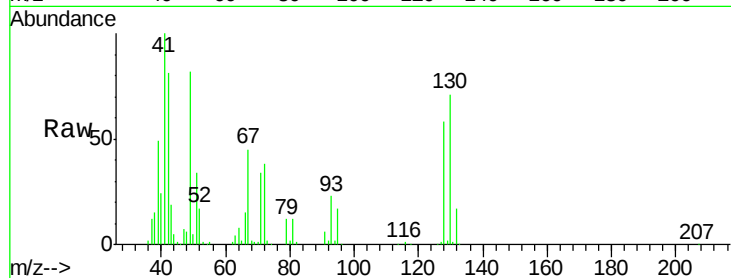
#41
Methacrylonitrile
Concen: 59.451 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	257703
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

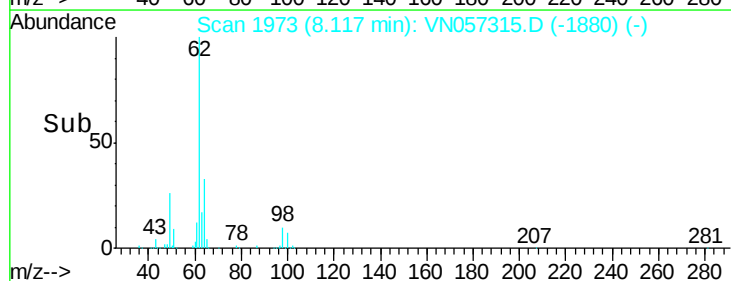
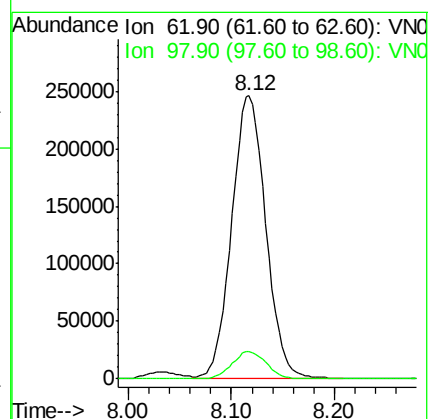
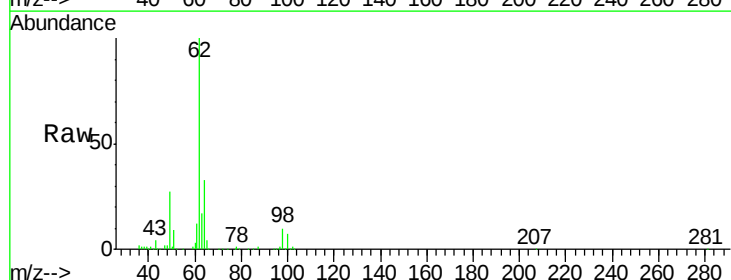
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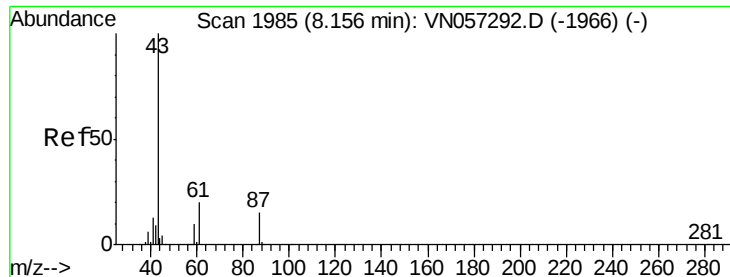
MMDadoda
8/19/2019 1:53:24 AM



#42
1,2-Dichloroethane
Concen: 47.547 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Tgt Ion	62	Resp	565664
Ion Ratio	Lower	Upper	
62	100		
98	9.8	0.0	19.4





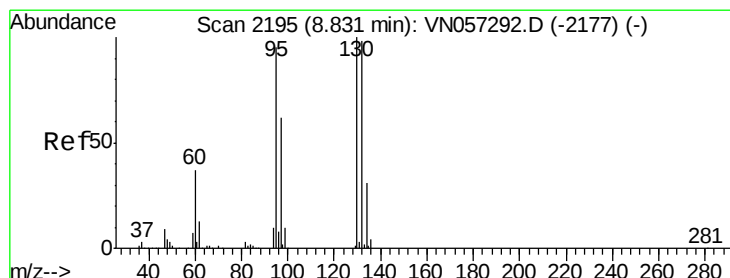
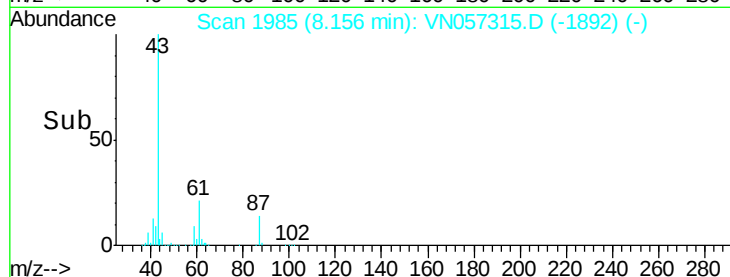
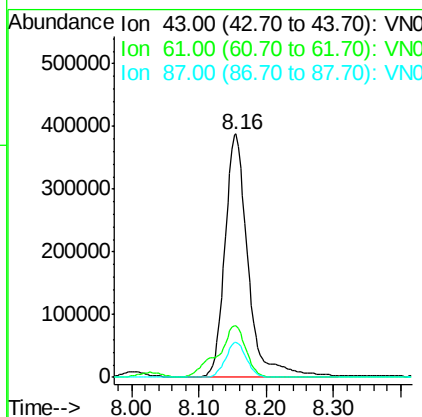
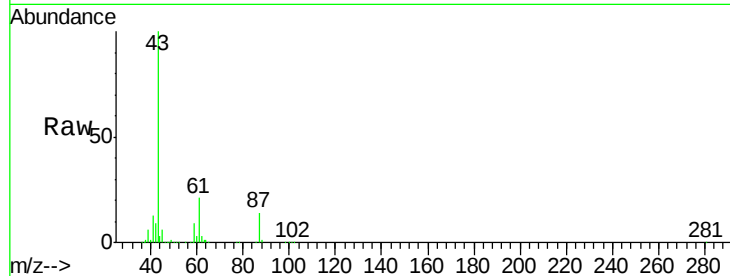
#43
Isopropyl Acetate
Concen: 52.285 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.6	21.6	32.4
87	13.0	11.4	17.0

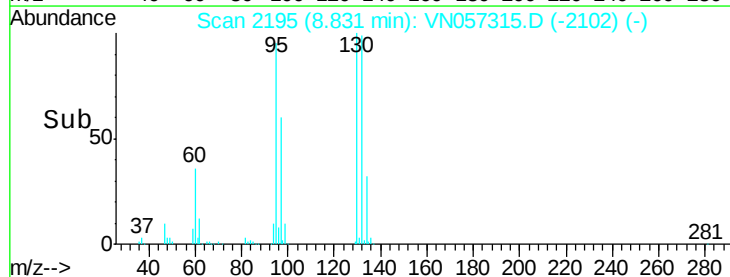
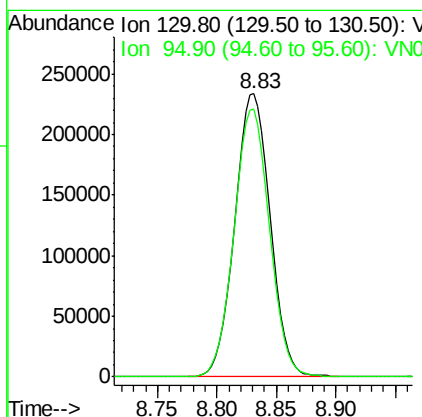
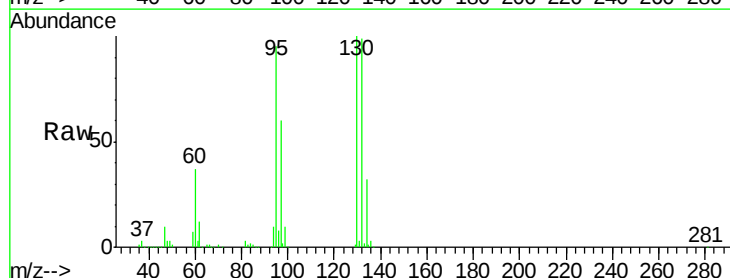
Manual Integrations
APPROVED

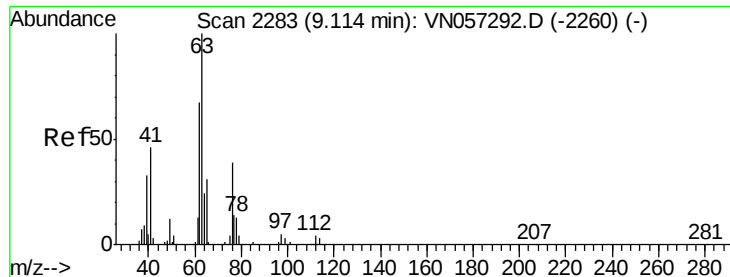
MMdadoda
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#44
Trichloroethene
Concen: 47.775 ug/l
RT: 8.83 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	189.2





#45

1,2-Dichloropropane

Concen: 47.989 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 444633

Ion Ratio Lower Upper

63 100

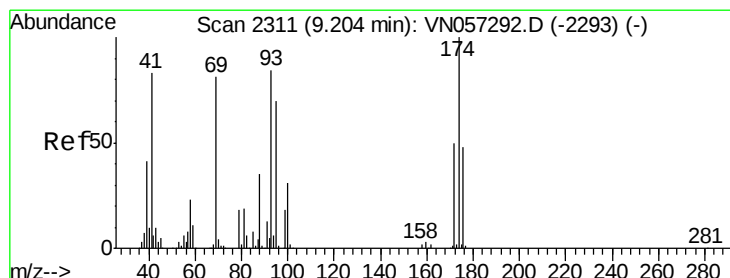
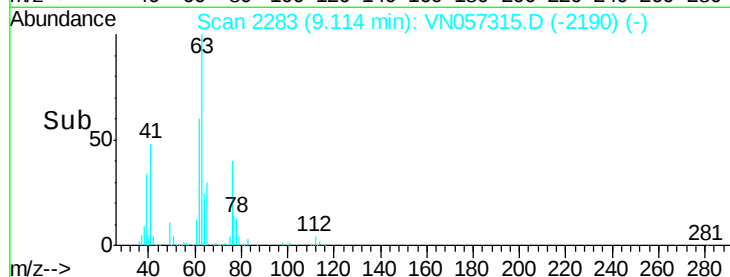
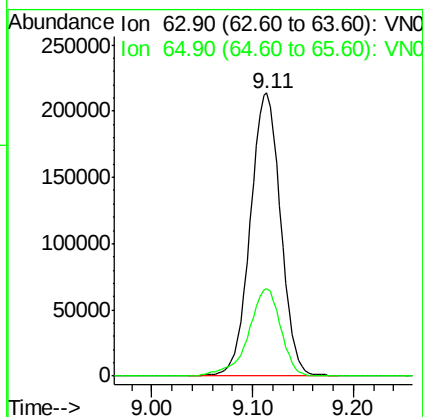
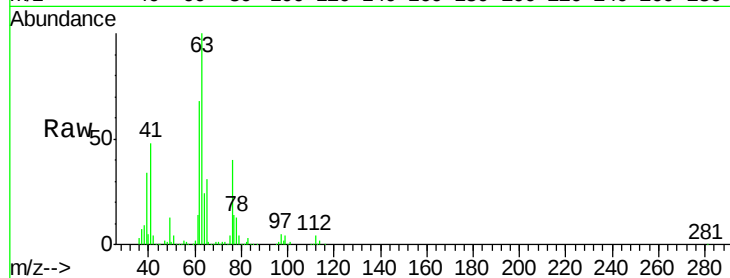
65 31.1 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 47.928 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

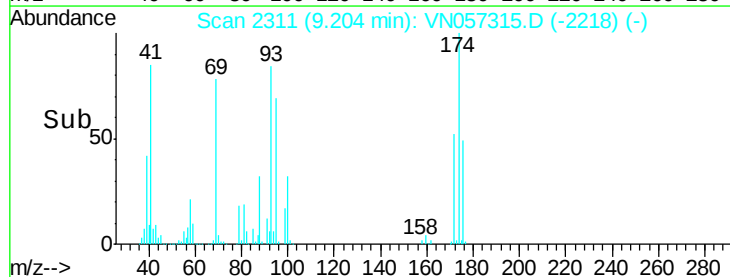
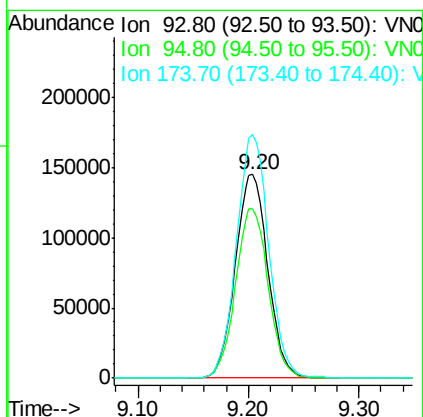
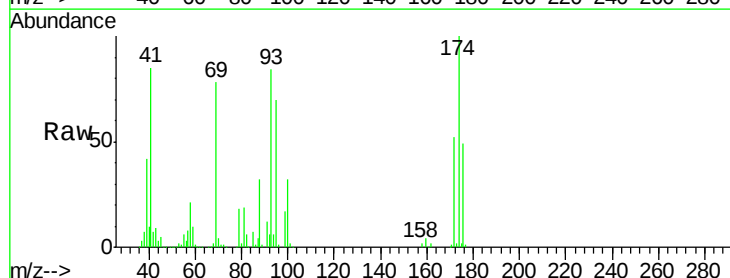
Tgt Ion: 93 Resp: 296251

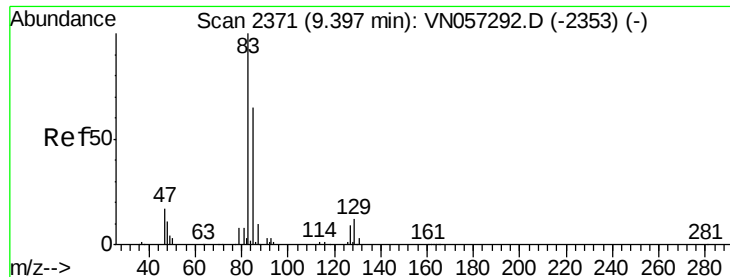
Ion Ratio Lower Upper

93 100

95 83.5 66.5 99.7

174 119.3 95.7 143.5





#47

Bromodichloromethane

Concen: 48.717 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

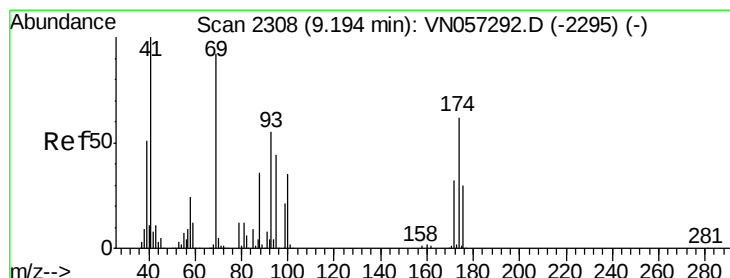
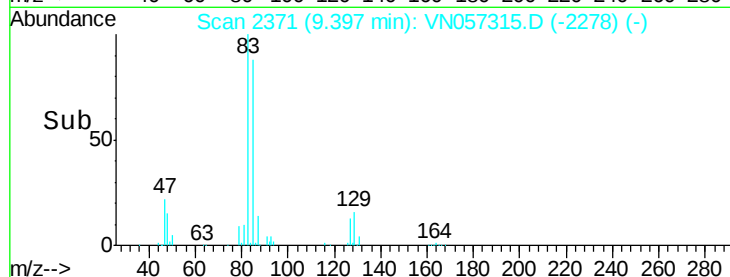
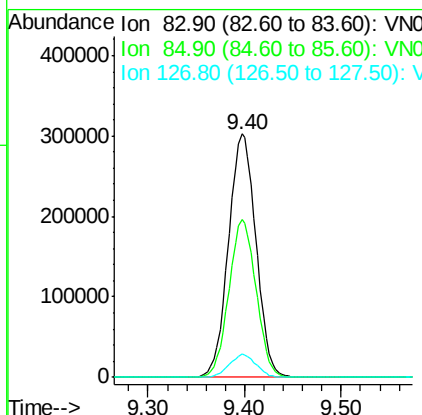
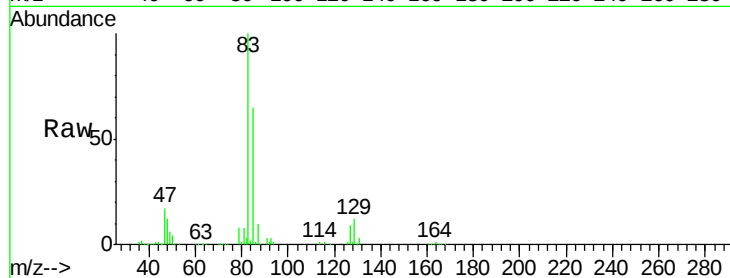
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	596637
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.9	77.9
127	9.4	7.2	10.8

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#48

Methyl methacrylate

Concen: 48.583 ug/l

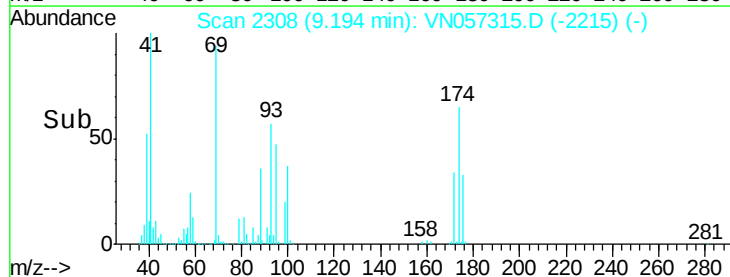
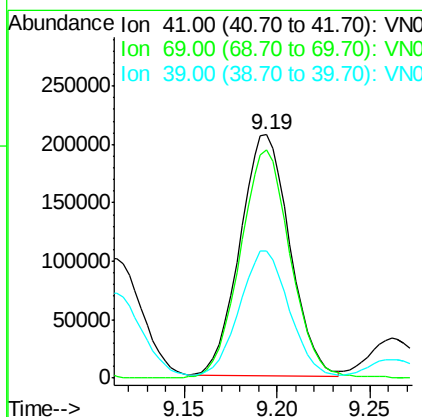
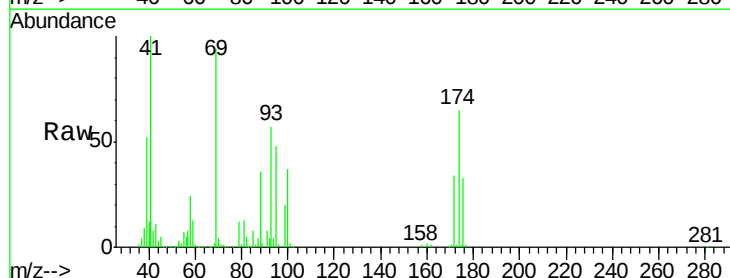
RT: 9.19 min Scan# 2308

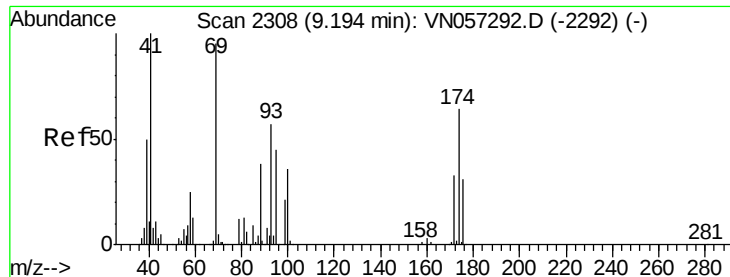
Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Tgt Ion:	41	Resp:	385087
Ion Ratio	Lower	Upper	
41	100		
69	96.4	75.9	113.9
39	53.2	42.3	63.5





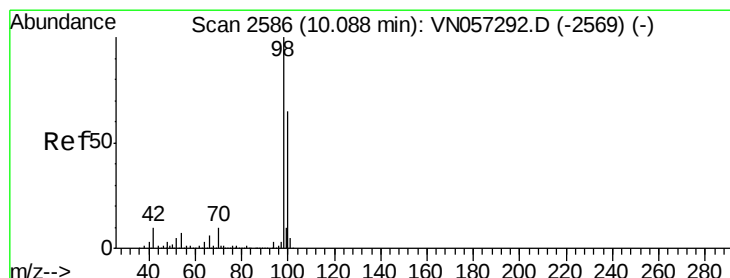
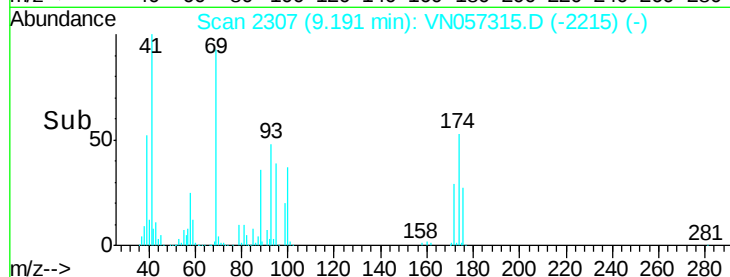
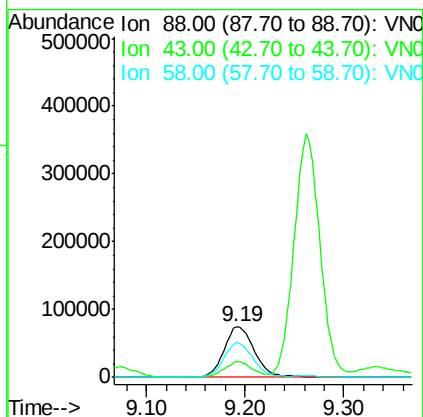
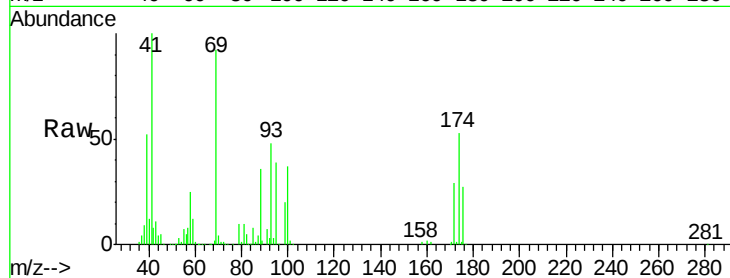
#49
1,4-Dioxane
Concen: 970.600 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.4	22.9	34.3
58	66.0	52.7	79.1

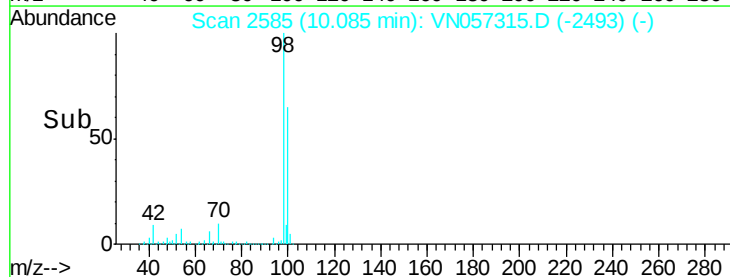
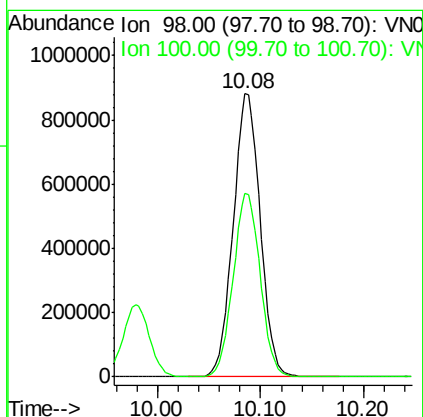
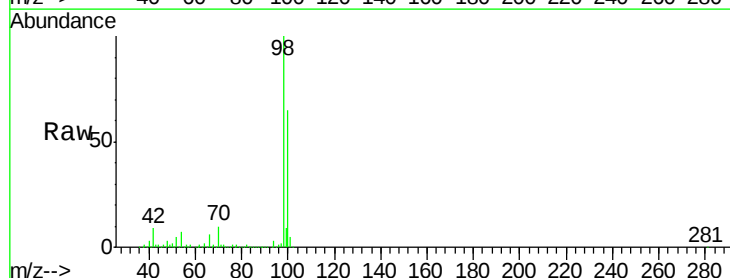
Manual Integrations
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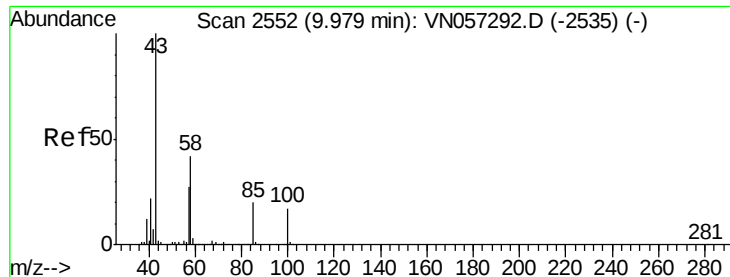
MMdadoda
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#50
Toluene-d8
Concen: 50.487 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 239.859 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2381845

Ion Ratio Lower Upper

43 100

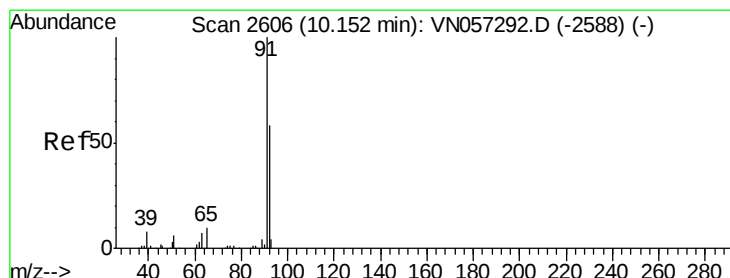
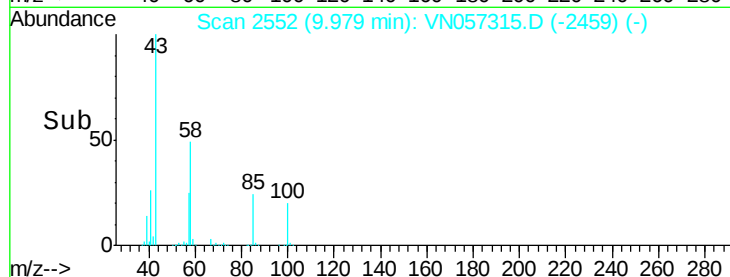
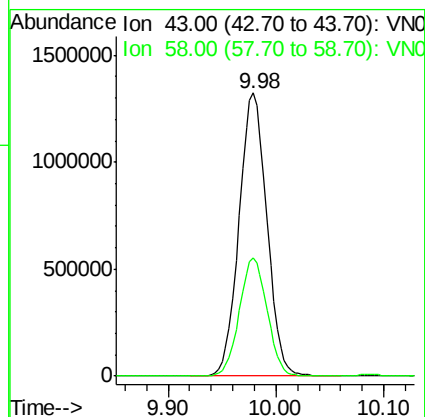
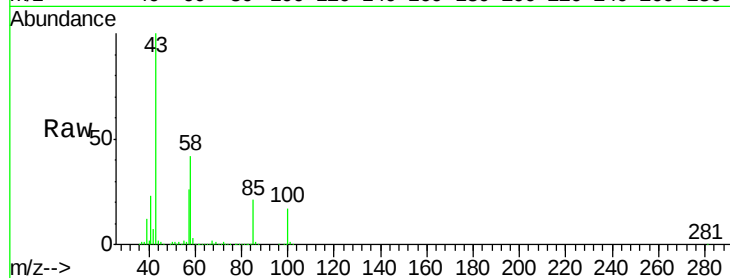
58 41.6 33.2 49.8

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#52

Toluene

Concen: 48.971 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057315.D

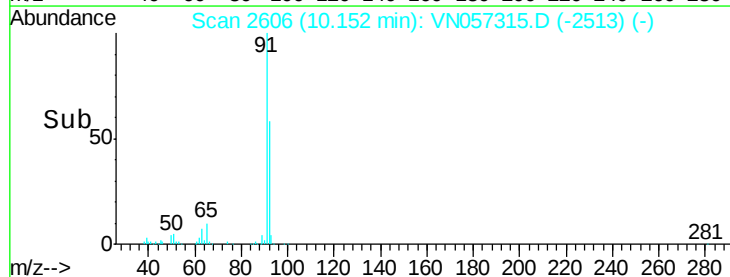
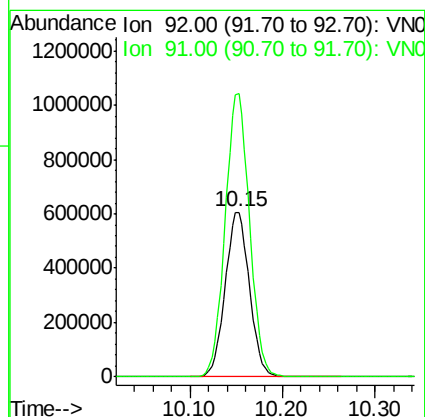
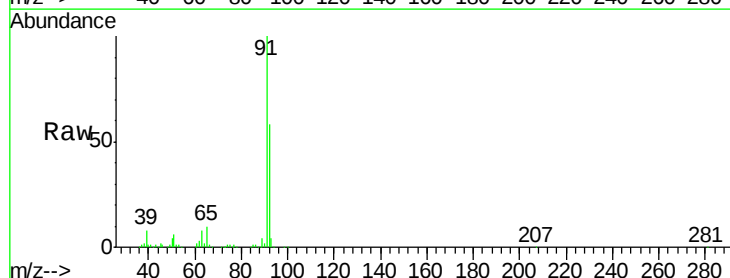
Acq: 15 Aug 2019 3:11

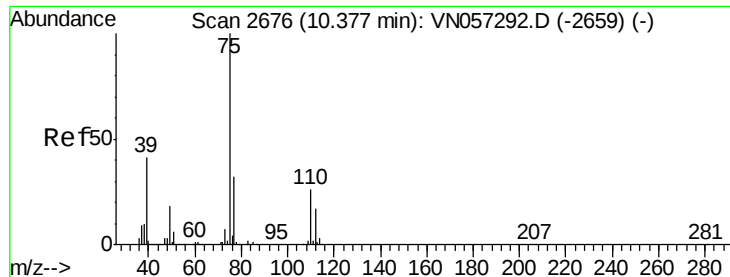
Tgt Ion: 92 Resp: 1095660

Ion Ratio Lower Upper

92 100

91 173.0 138.9 208.3





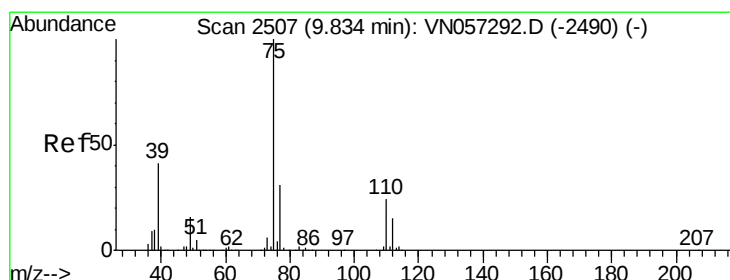
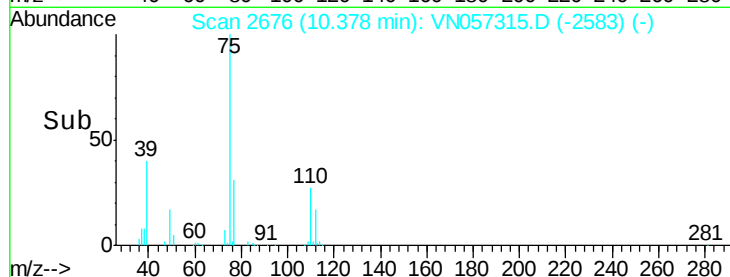
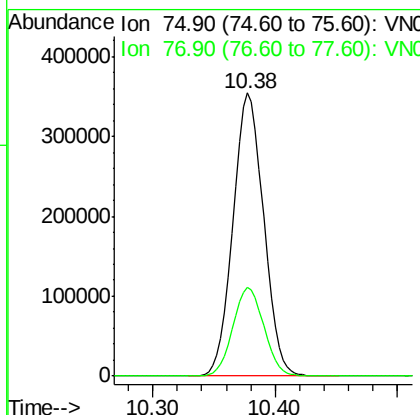
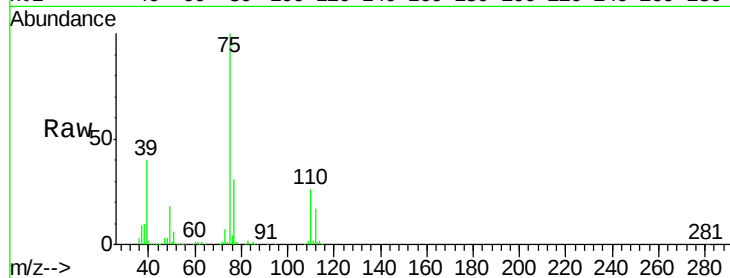
#53
t-1,3-Dichloropropene
Concen: 46.654 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.5	38.3

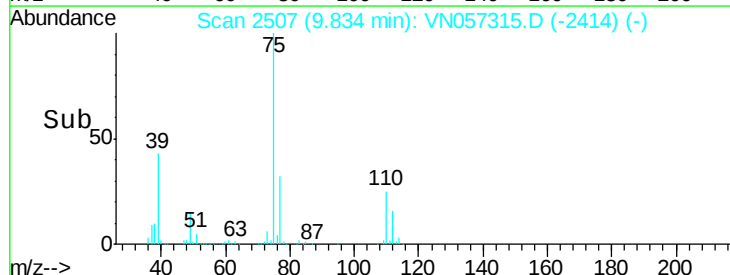
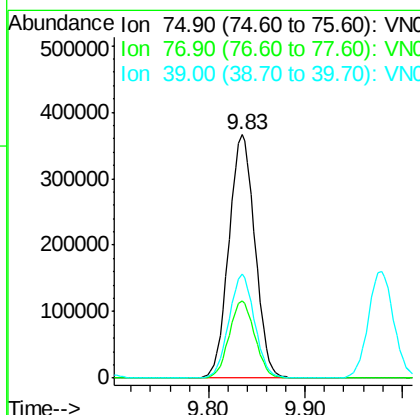
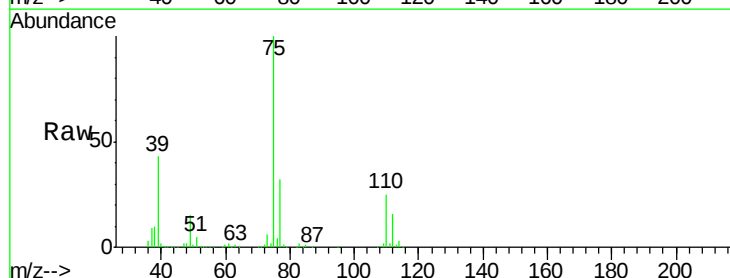
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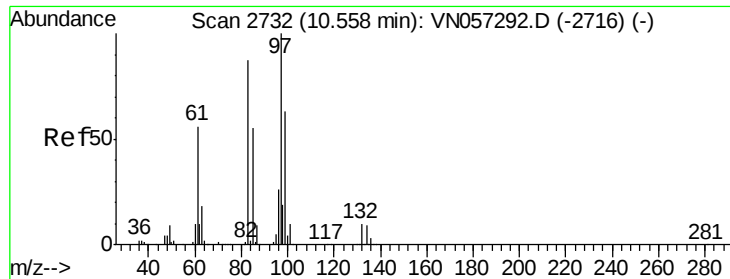
MMdadoda
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#54
cis-1,3-Dichloropropene
Concen: 46.903 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3
39	42.6	32.7	49.1





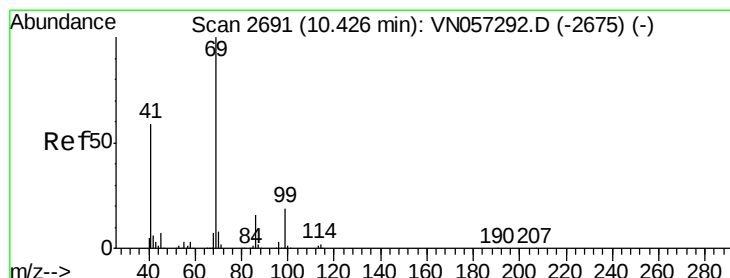
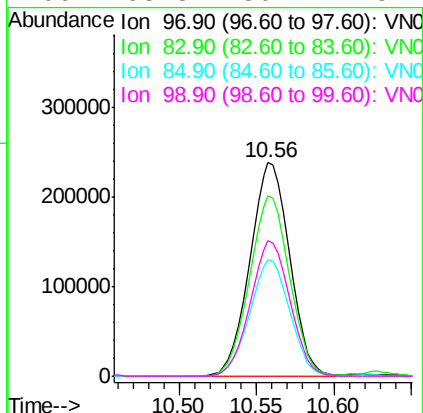
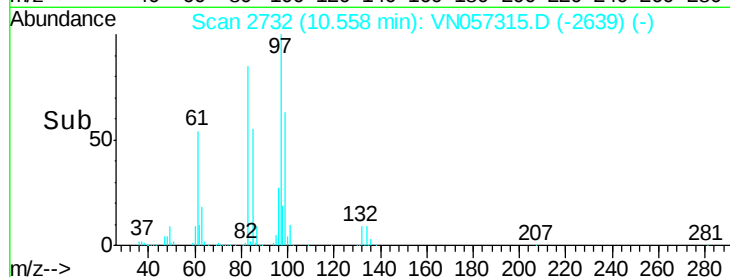
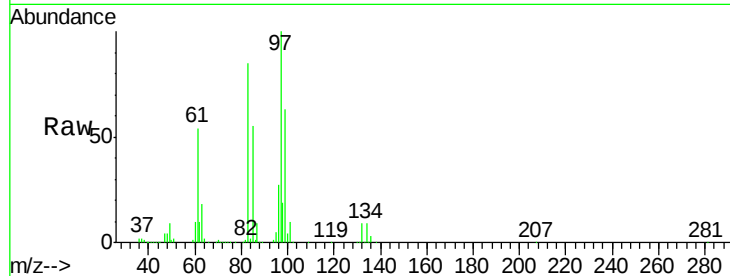
#55
 1,1,2-Trichloroethane
 Concen: 48.465 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057315.D
 Acq: 15 Aug 2019 3:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		426380		
83	84.6	69.8	104.8		
85	54.7	44.1	66.1		
99	63.3	50.2	75.2		

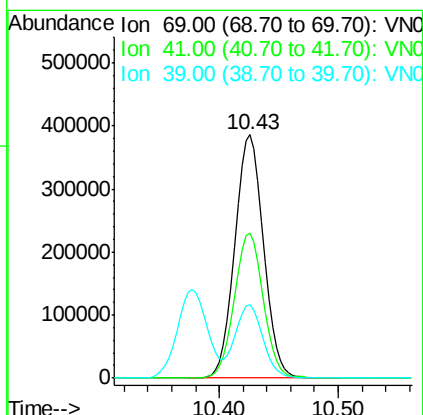
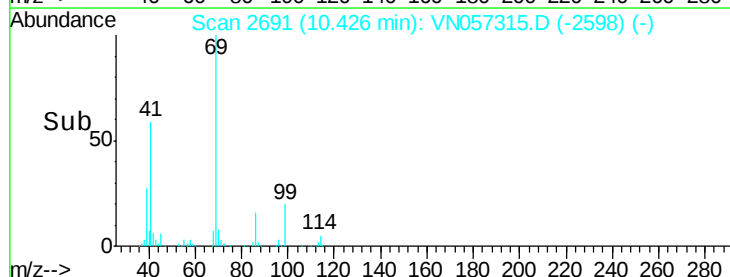
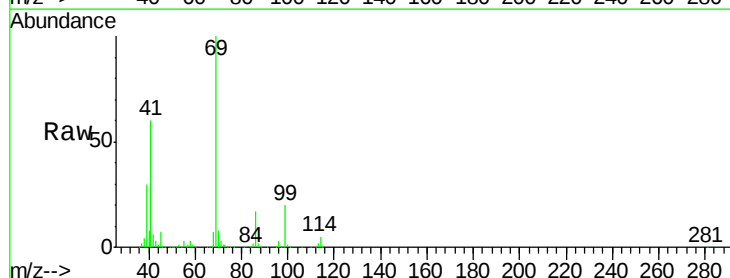
Manual Integrations
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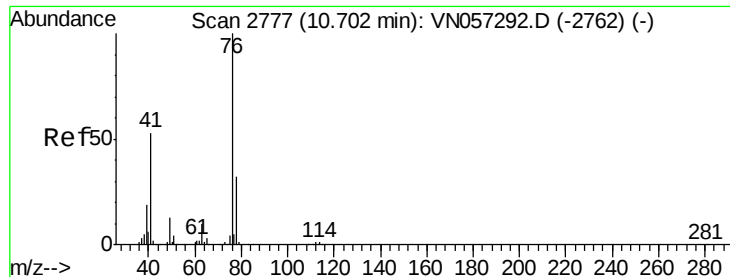
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#56
 Ethyl methacrylate
 Concen: 50.184 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057315.D
 Acq: 15 Aug 2019 3:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		644304		
41	59.9	48.2	72.2		
39	29.3	23.4	35.0		





#57

1,3-Dichloropropane

Concen: 48.219 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 708676

Ion Ratio Lower Upper

76 100

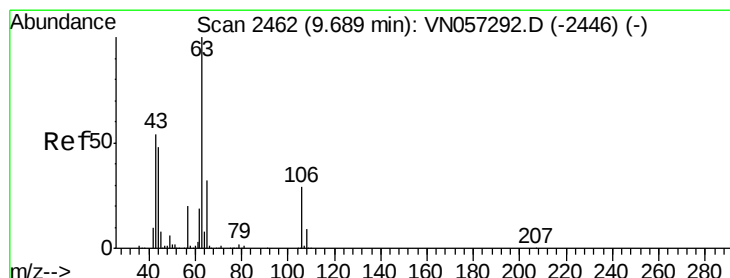
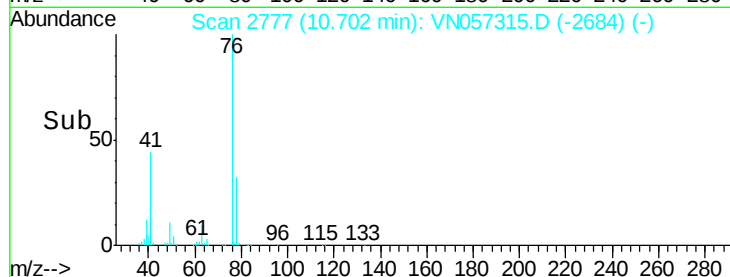
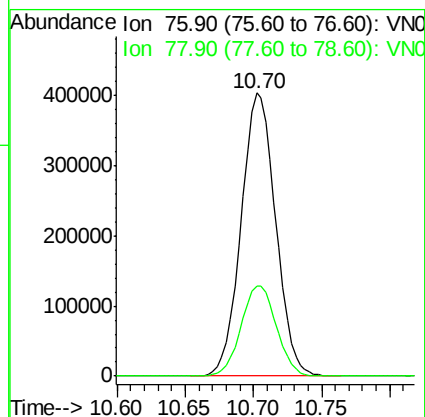
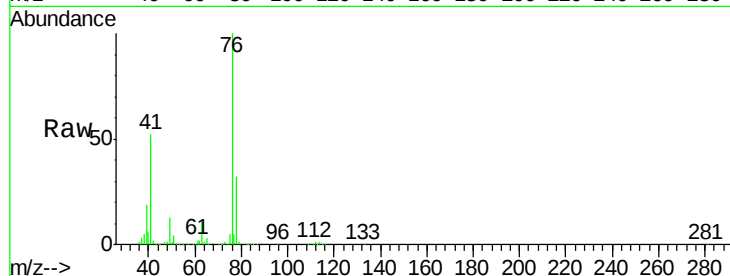
78 32.7 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 217.045 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057315.D

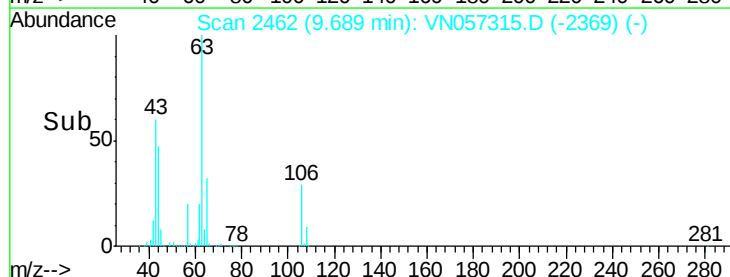
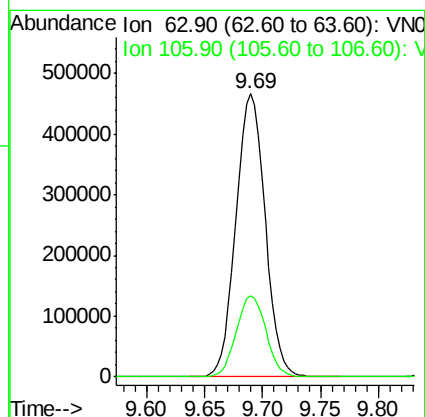
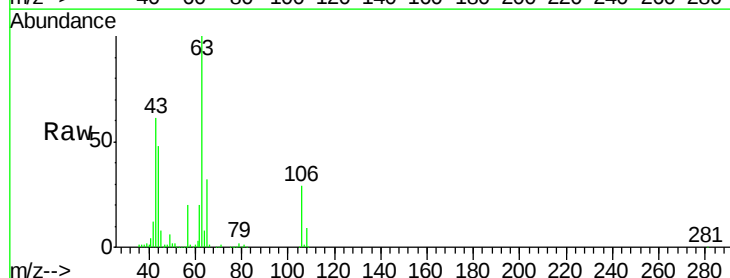
Acq: 15 Aug 2019 3:11

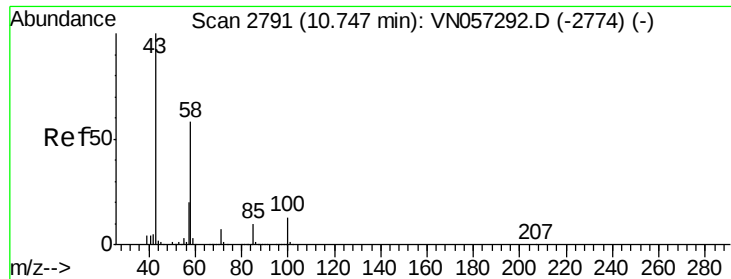
Tgt Ion: 63 Resp: 816938

Ion Ratio Lower Upper

63 100

106 29.1 23.2 34.8





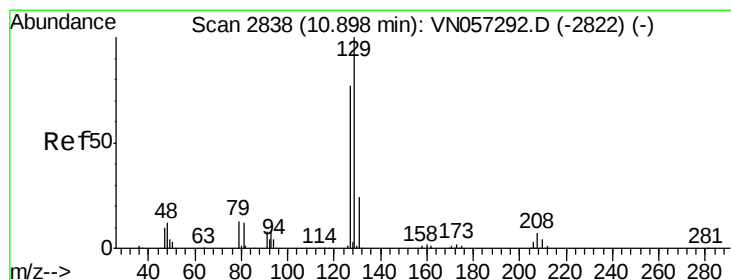
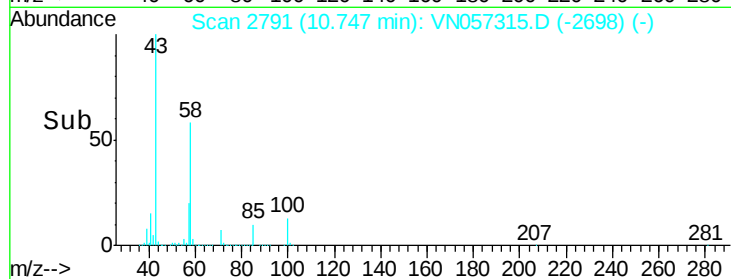
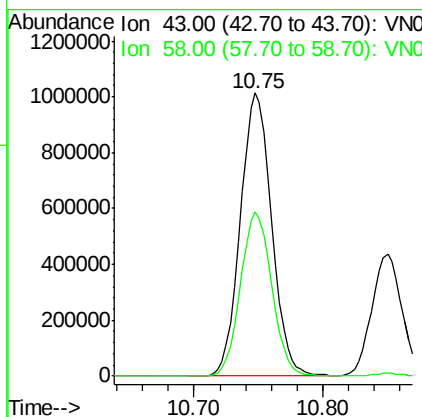
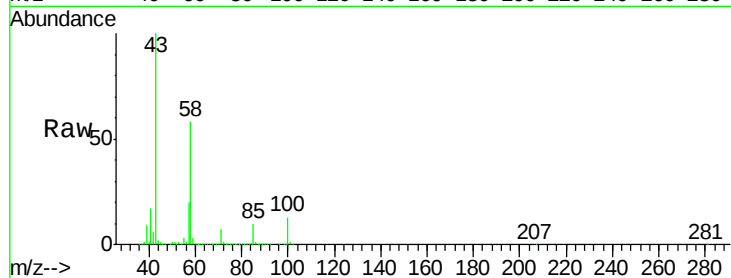
#59
2-Hexanone
Concen: 239.281 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1708243
Ion Ratio Lower Upper
43 100
58 58.1 28.6 85.9

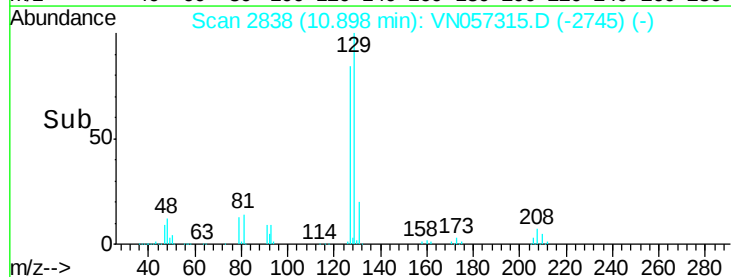
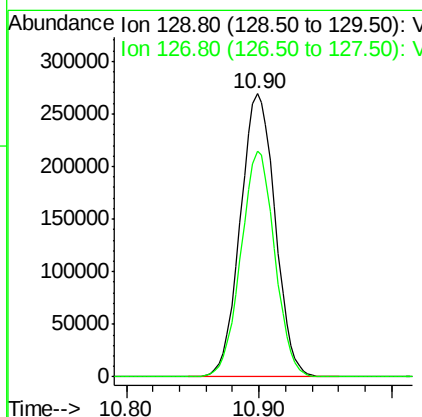
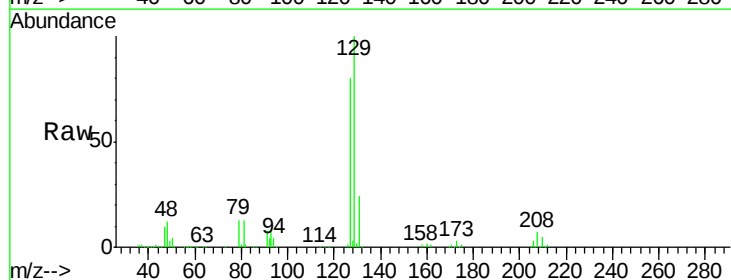
Manual Integrations
APPROVED

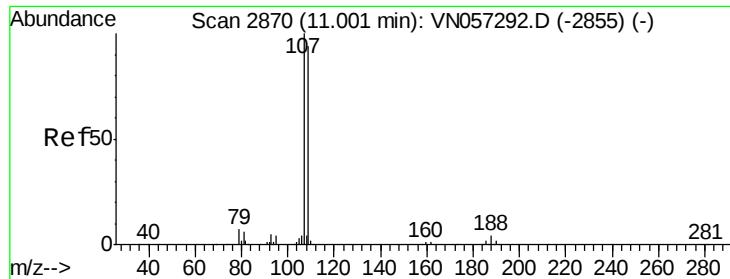
MMDadoda
8/19/2019 1:53:24 AM



#60
Dibromochloromethane
Concen: 49.757 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Tgt Ion: 129 Resp: 490557
Ion Ratio Lower Upper
129 100
127 77.4 39.0 116.9





#61

1,2-Dibromoethane

Concen: 48.558 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 455075

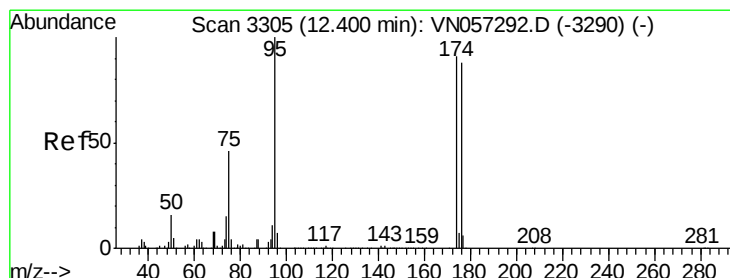
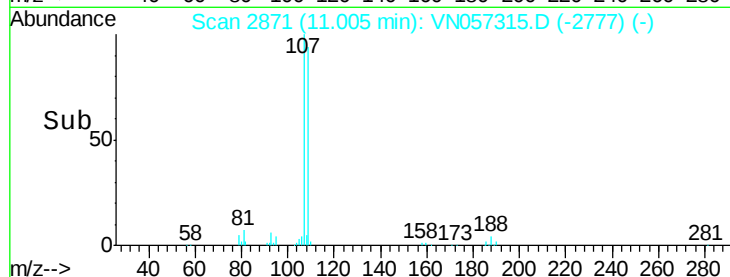
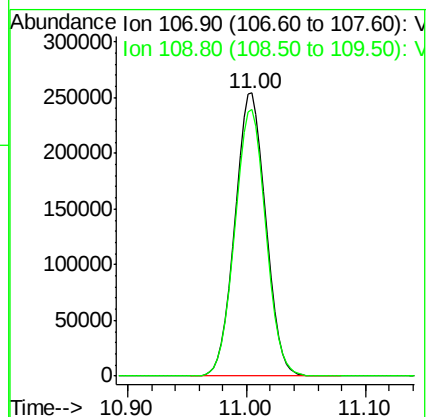
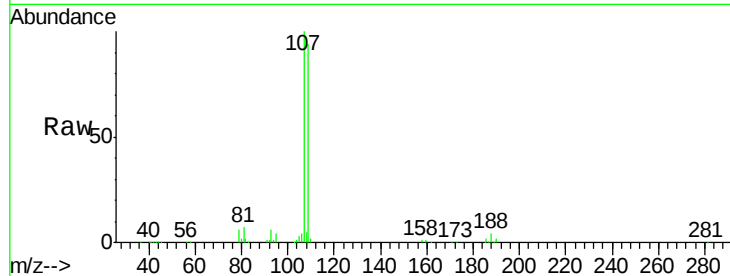
Ion Ratio Lower Upper

107 100

109 95.0 75.7 113.5

Manual Integrations
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MMdadoda
8/19/2019 1:53:24 AM



#62

4-Bromofluorobenzene

Concen: 49.468 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

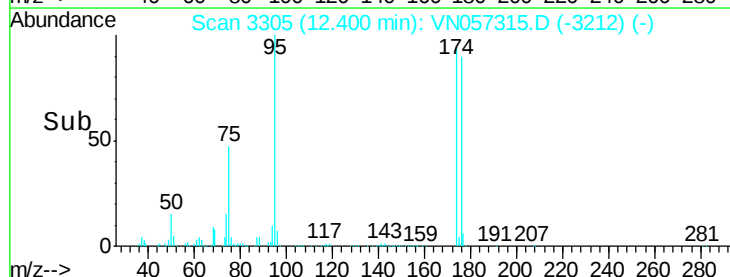
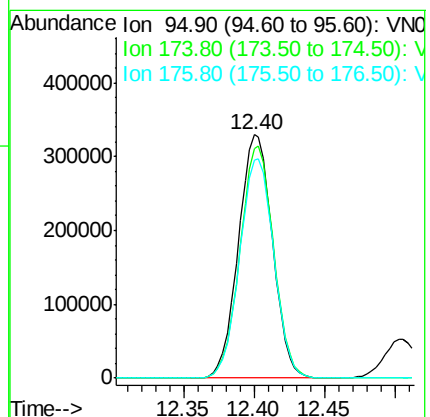
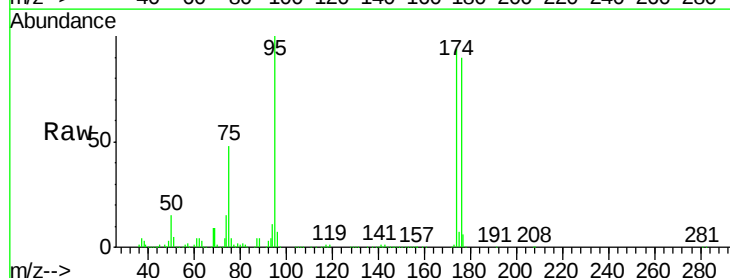
Tgt Ion: 95 Resp: 557890

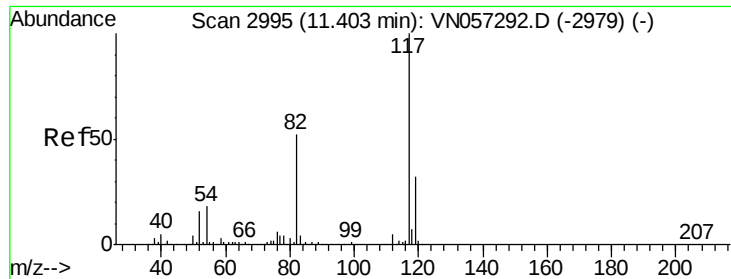
Ion Ratio Lower Upper

95 100

174 94.1 0.0 185.0

176 90.7 0.0 181.0





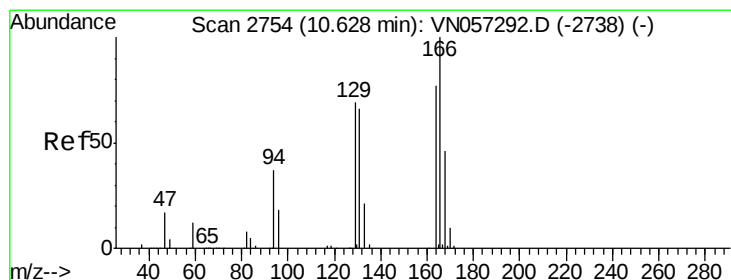
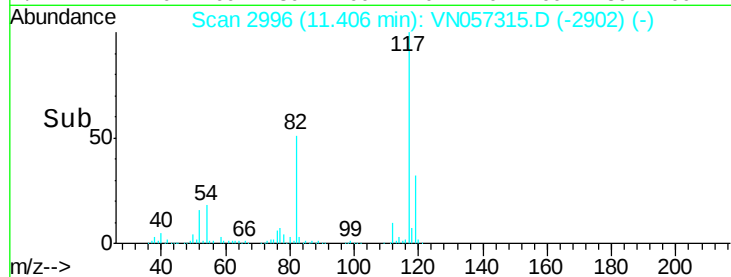
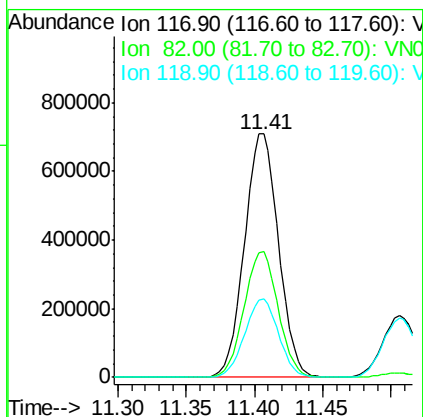
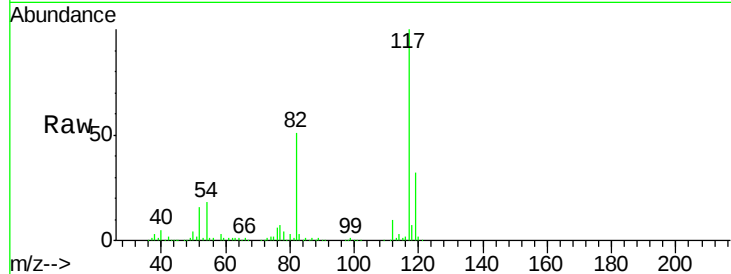
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.2	61.8
119	32.2	25.8	38.8

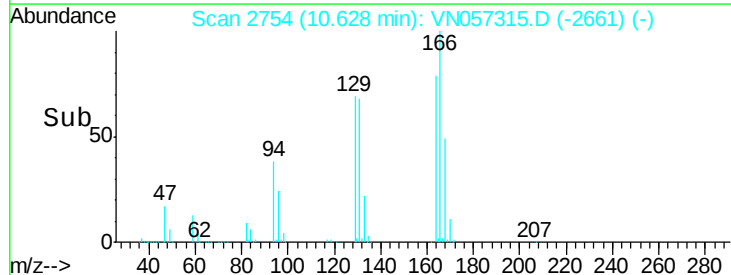
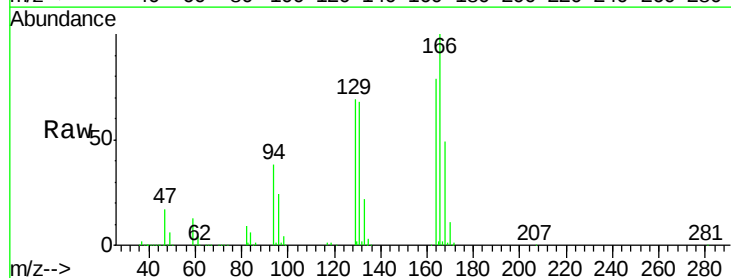
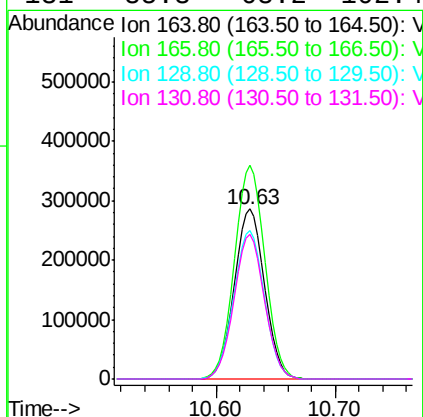
Manual Integrations
APPROVED

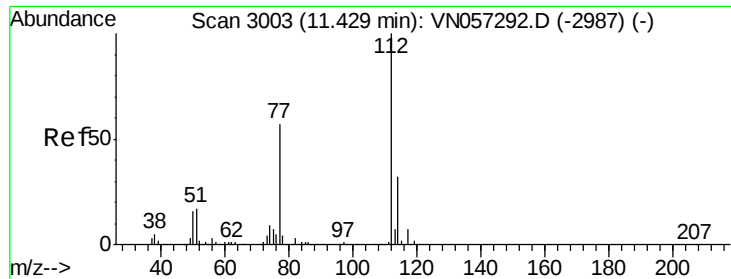
MMdadoda
8/19/2019 1:53:24 AM



#64
Tetrachloroethene
Concen: 47.484 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	103.5	155.3
129	87.4	71.2	106.8
131	85.3	68.2	102.4





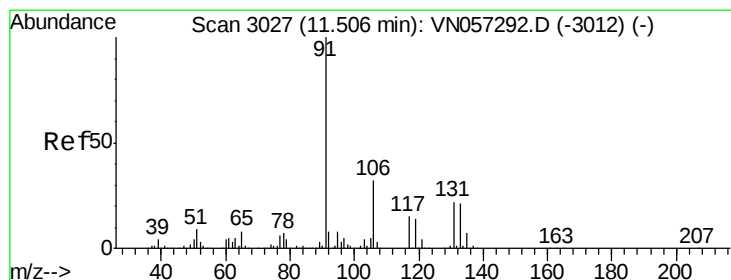
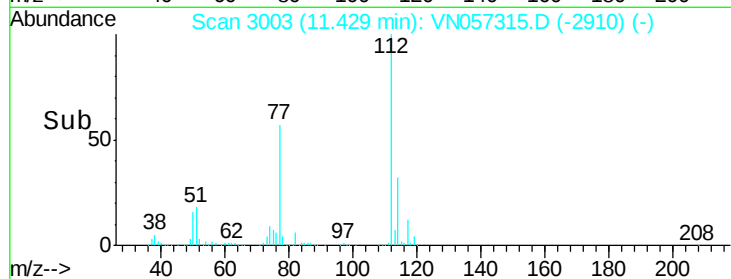
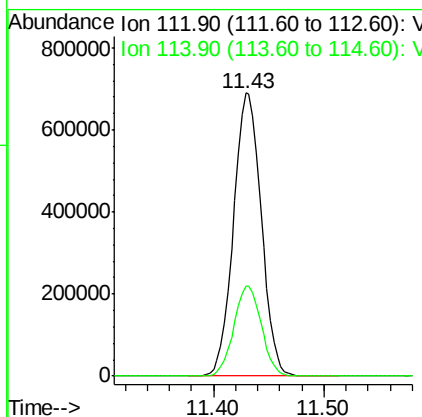
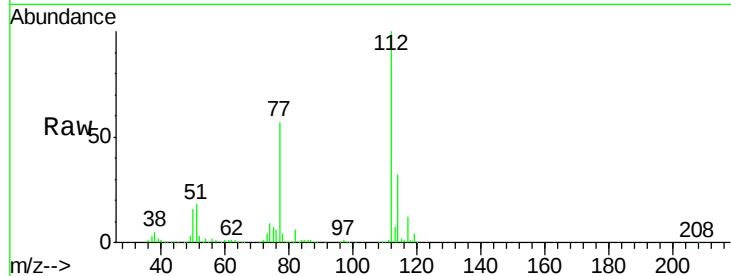
#65
Chlorobenzene
Concen: 47.991 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1202404
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5

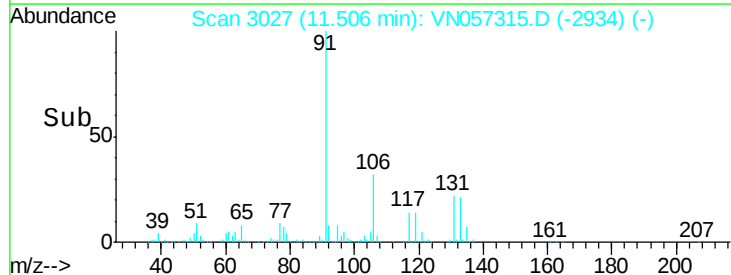
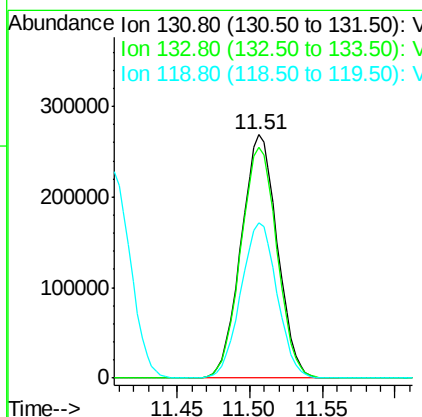
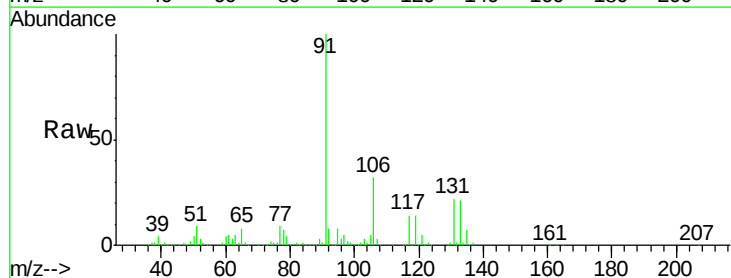
Manual Integrations
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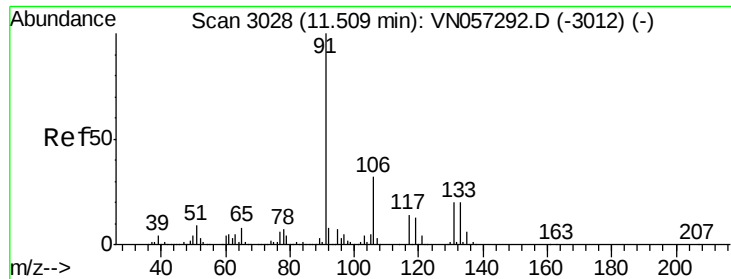
MMdadoda
8/19/2019 1:53:24 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.676 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Tgt Ion:131 Resp: 467063
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.8
119 63.8 32.0 96.2





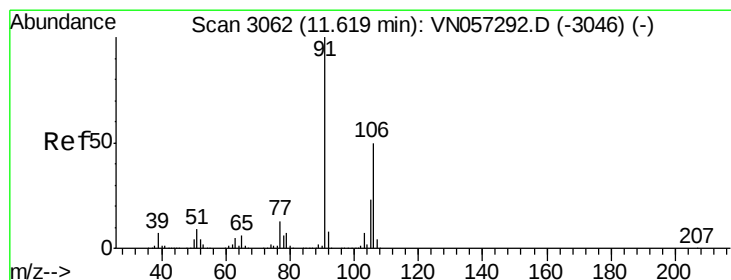
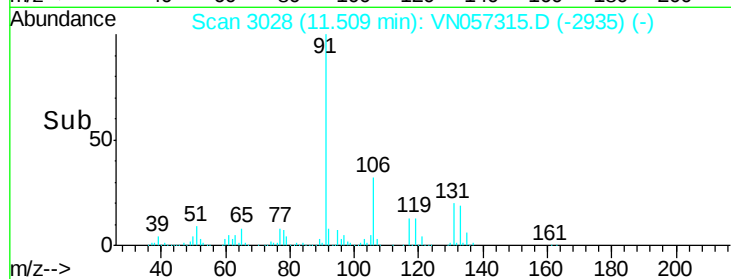
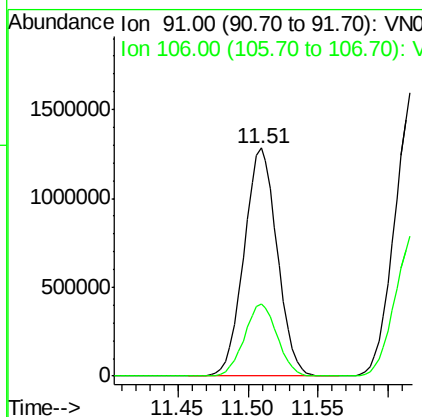
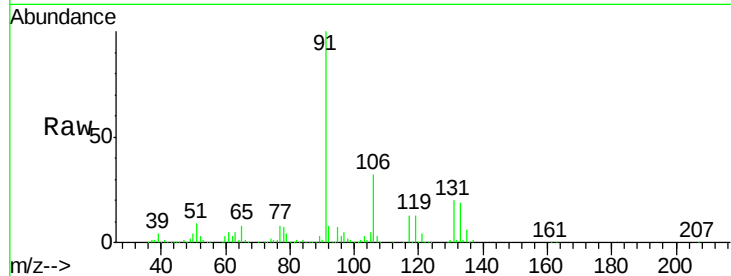
#67
Ethyl Benzene
Concen: 48.146 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2110422
Ion Ratio Lower Upper
91 100
106 31.8 25.5 38.3

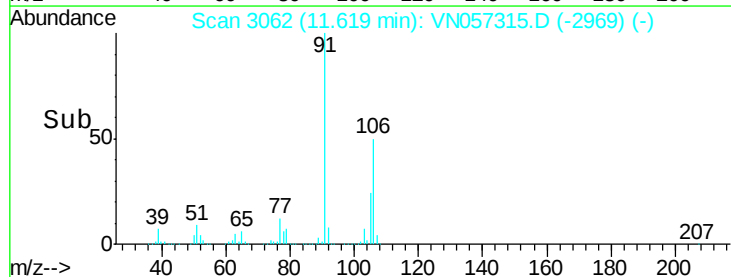
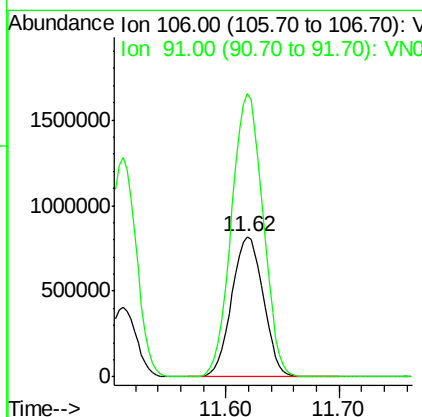
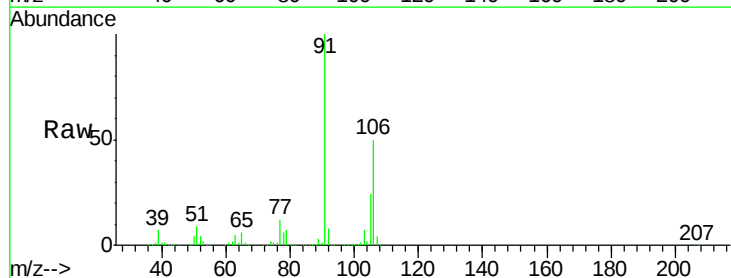
Manual Integrations
APPROVED

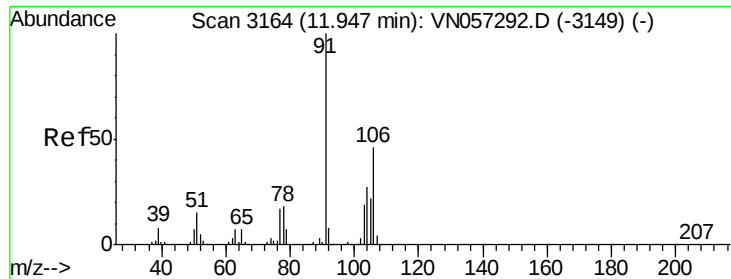
MMDadoda
8/19/2019 1:53:24 AM



#68
m/p-Xylenes
Concen: 98.584 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Tgt Ion: 106 Resp: 1592152
Ion Ratio Lower Upper
106 100
91 201.4 161.5 242.3





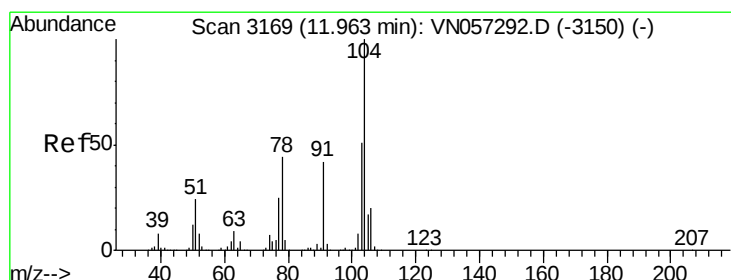
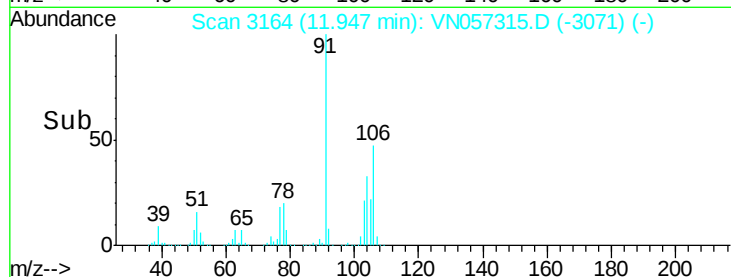
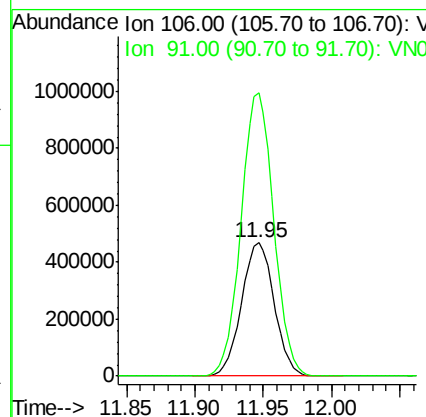
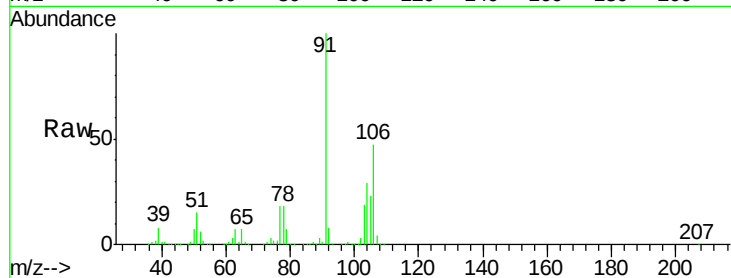
#69
o-Xylene
Concen: 49.269 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 781264
Ion Ratio Lower Upper
106 100
91 211.3 106.3 319.0

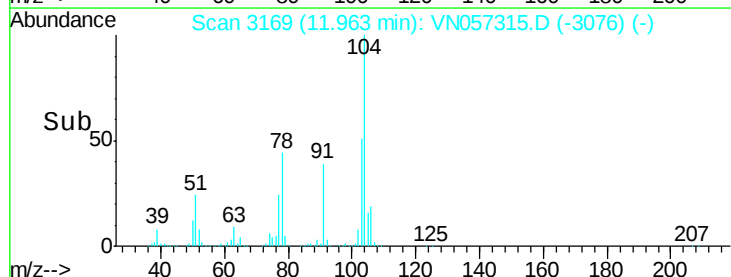
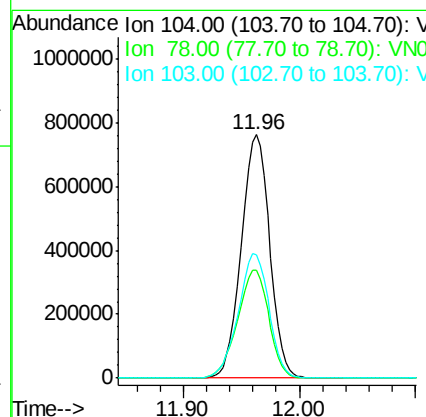
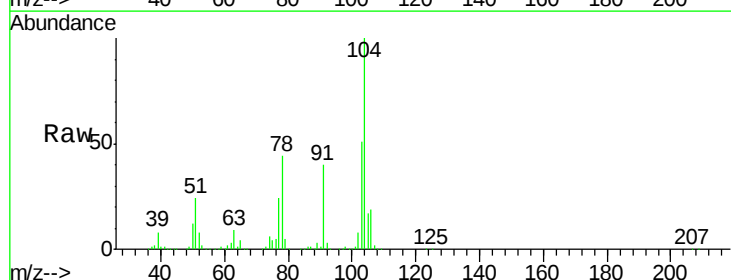
Manual Integrations
APPROVED

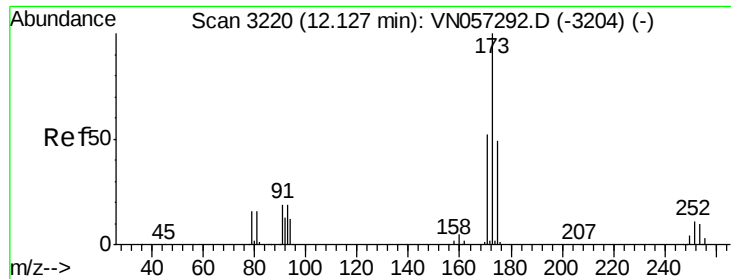
MMdadoda
8/19/2019 1:53:24 AM



#70
Styrene
Concen: 51.170 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Tgt Ion:104 Resp: 1293437
Ion Ratio Lower Upper
104 100
78 49.0 39.2 58.8
103 55.4 44.6 66.8





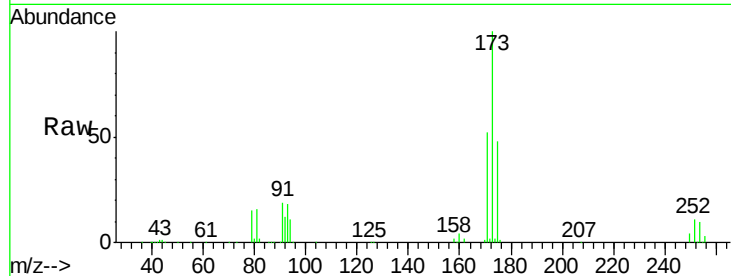
#71
Bromoform
Concen: 49.964 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

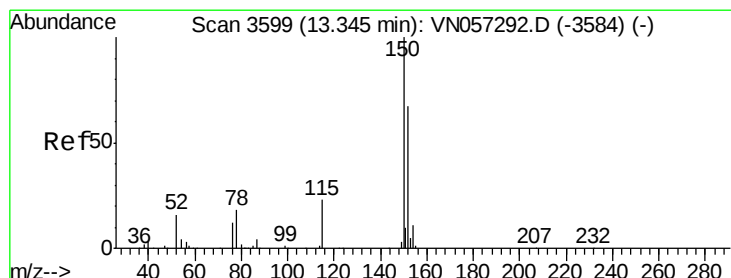
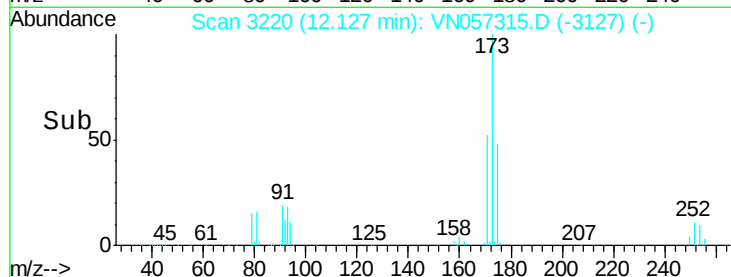
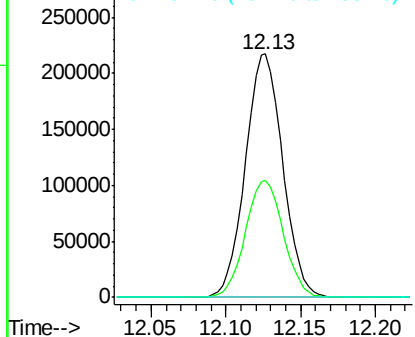
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.2	72.6
254	0.1	0.2	0.2

Manual Integrations
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MMdadoda
8/19/2019 1:53:24 AM

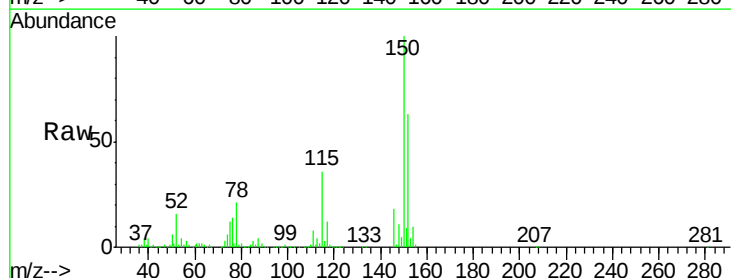


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

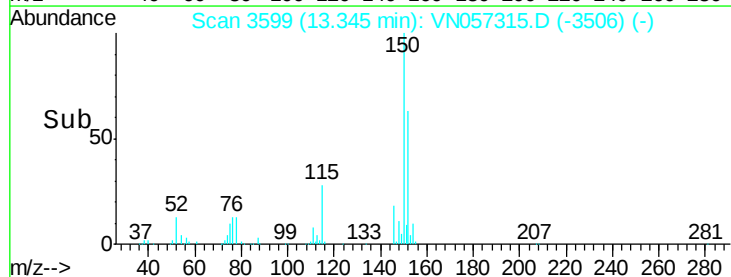
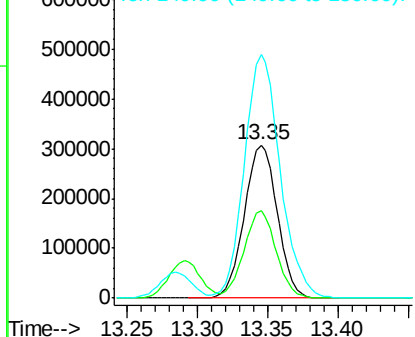


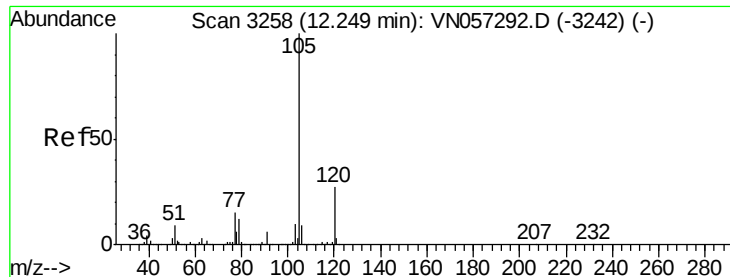
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.3	81.9
150	173.1	0.0	344.4



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





#73

Isopropylbenzene

Concen: 52.387 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2091563

Ion Ratio Lower Upper

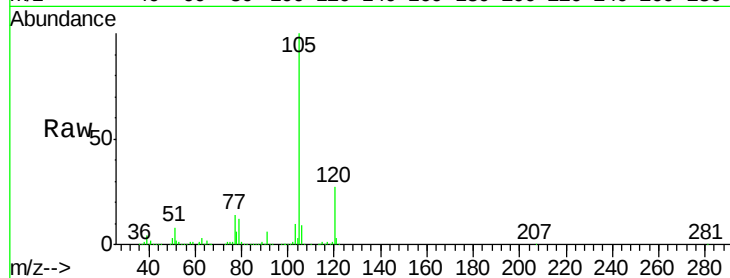
105 100

120 26.8 13.2 39.6

Manual Integrations
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MMdadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

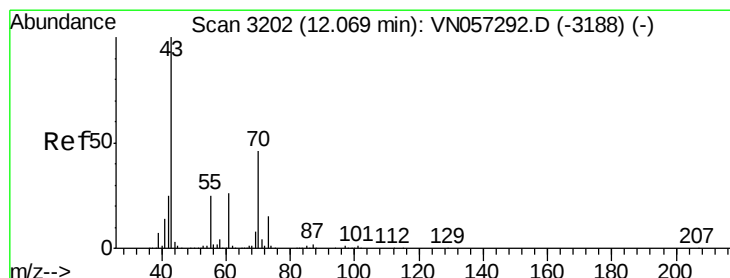
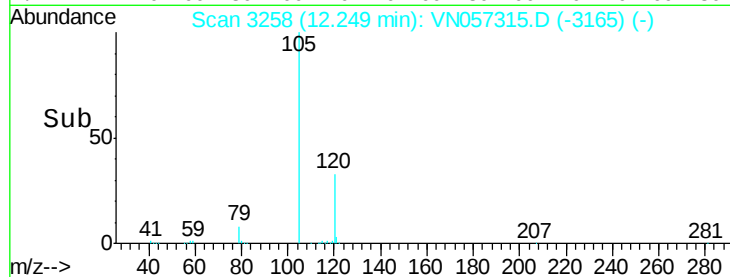
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 44.616 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Tgt Ion: 43 Resp: 652020

Ion Ratio Lower Upper

43 100

70 45.2 36.2 54.2

55 25.1 20.1 30.1

61 26.4 20.9 31.3

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

600000

500000

400000

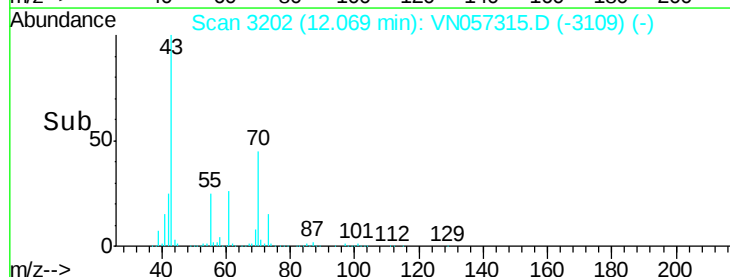
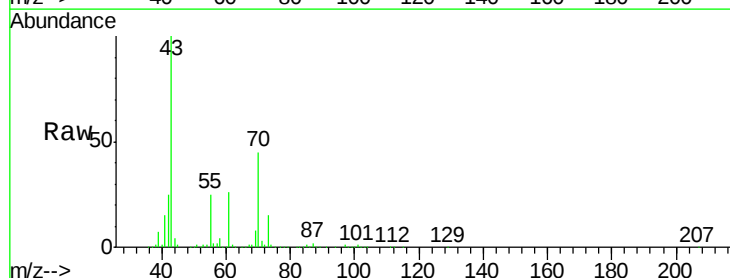
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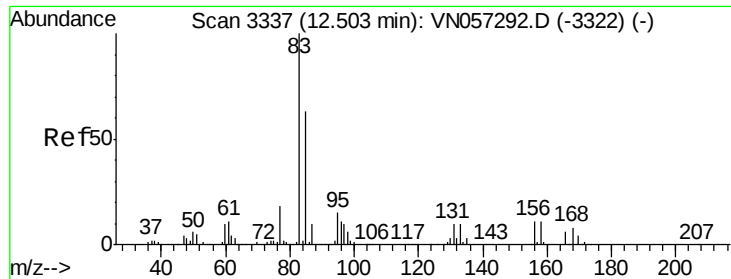
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.120 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 581335

Ion Ratio Lower Upper

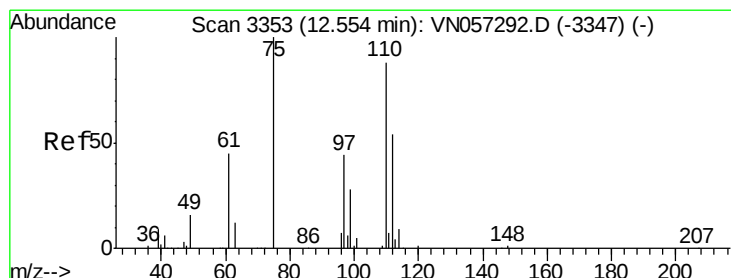
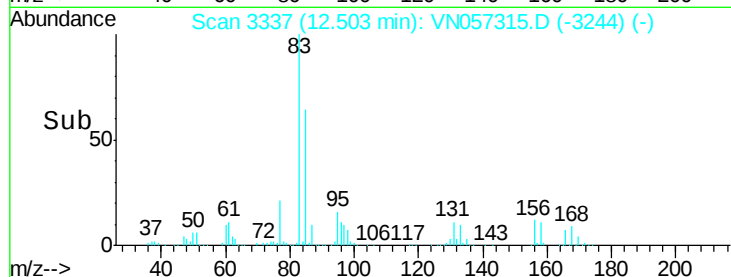
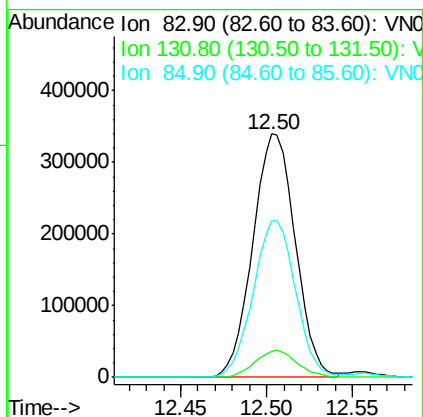
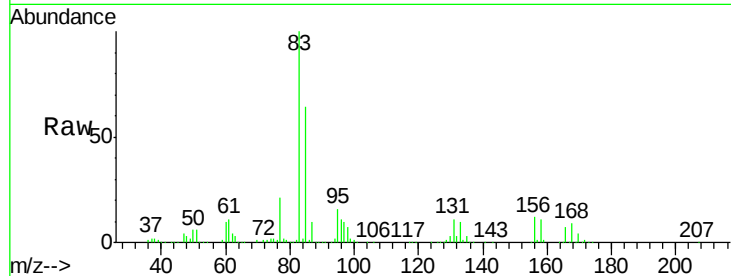
83 100

131 11.0 5.4 16.2

85 64.2 32.3 96.9

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#76

1,2,3-Trichloropropane

Concen: 49.513 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057315.D

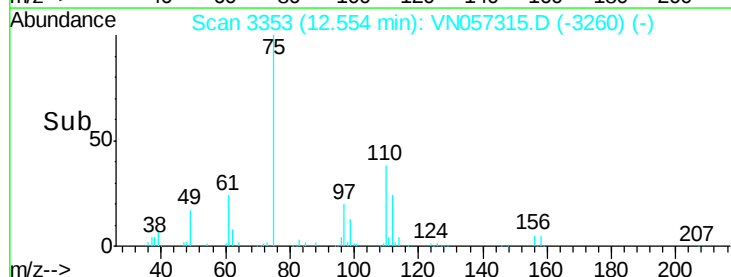
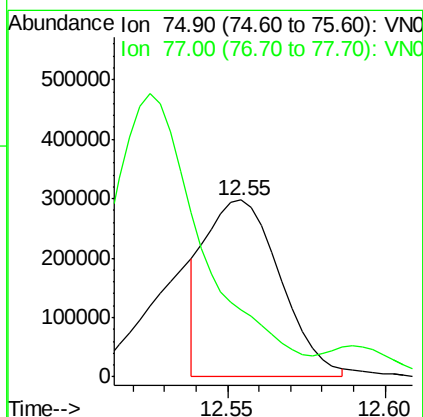
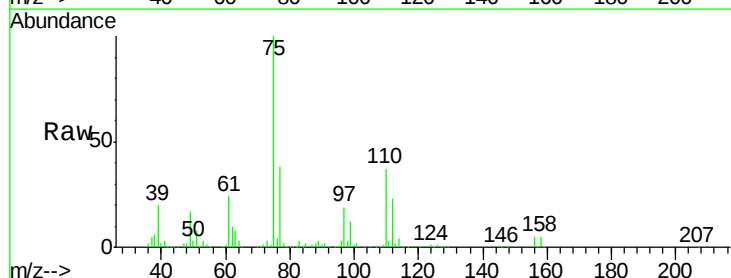
Acq: 15 Aug 2019 3:11

Tgt Ion: 75 Resp: 491216

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.820 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

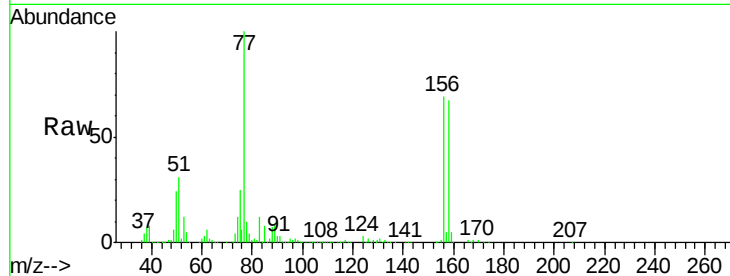
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	558542
Ion Ratio	Lower	Upper	
156	100		
77	175.0	89.8	269.6
158	95.8	49.3	147.8

Manual Integrations
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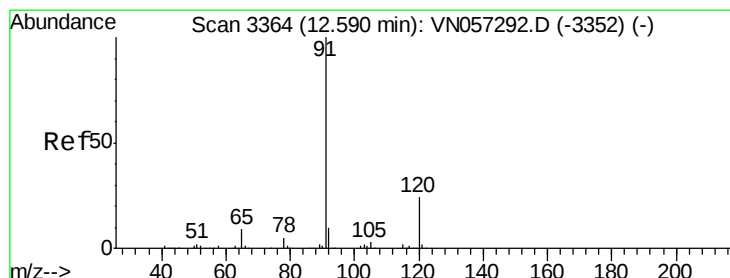
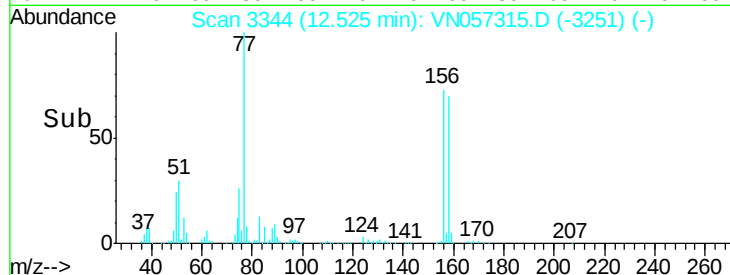
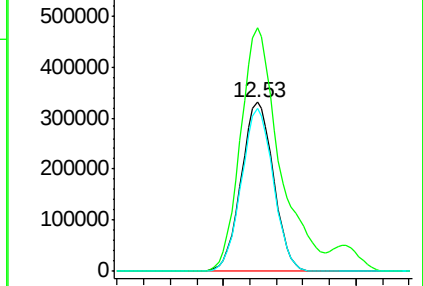
MMdadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.995 ug/l

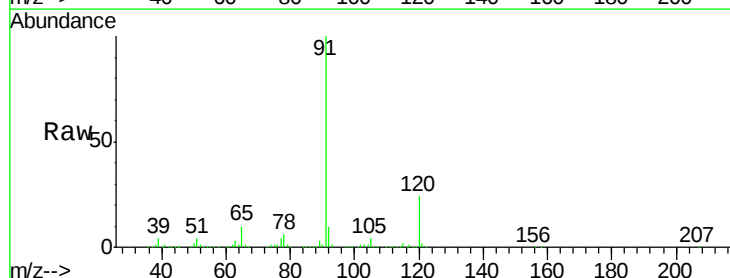
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057315.D

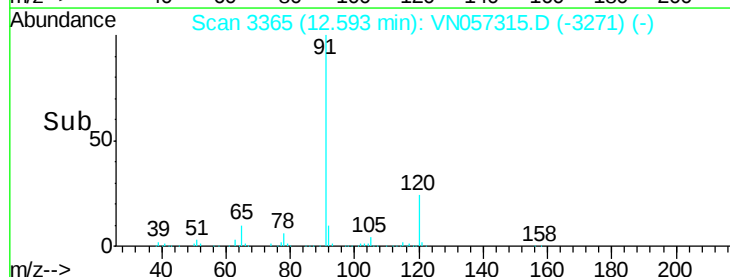
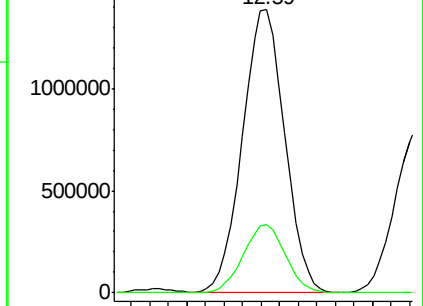
Acq: 15 Aug 2019 3:11

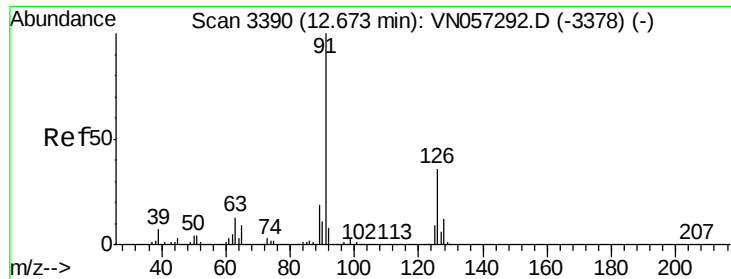
Tgt Ion:	91	Resp:	2182159
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.9	35.7



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.352 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1359863

Ion Ratio Lower Upper

91 100

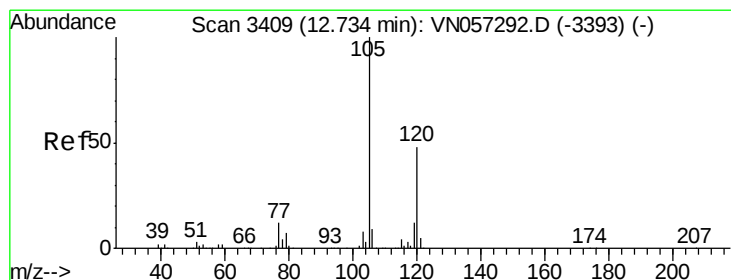
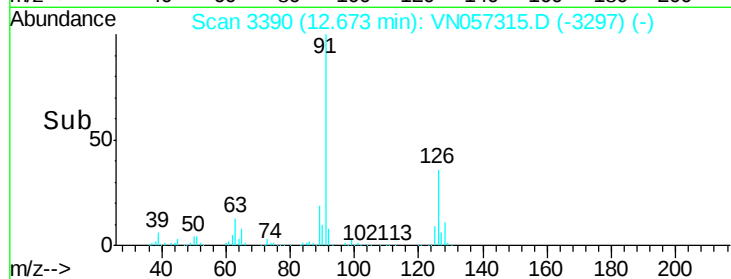
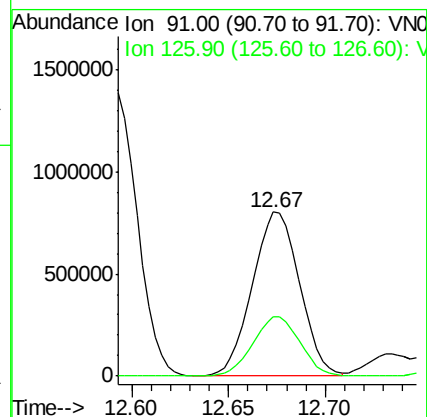
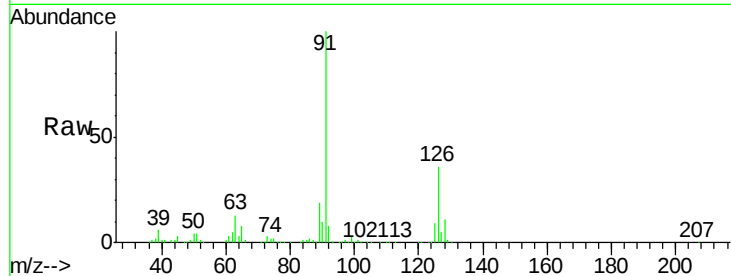
126 36.1 18.1 54.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.398 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057315.D

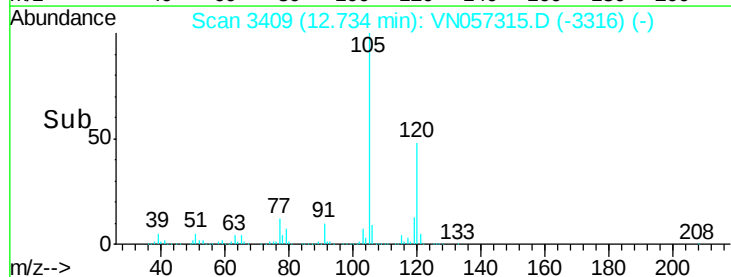
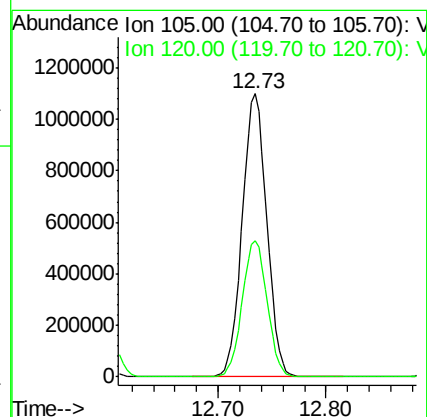
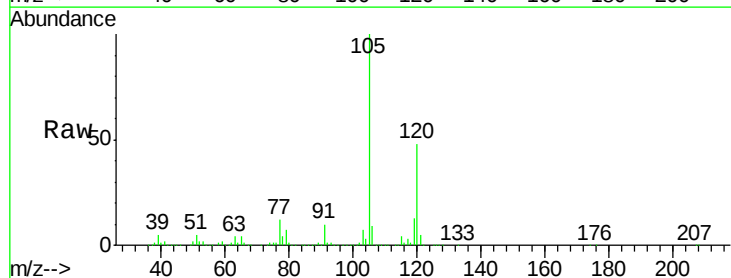
Acq: 15 Aug 2019 3:11

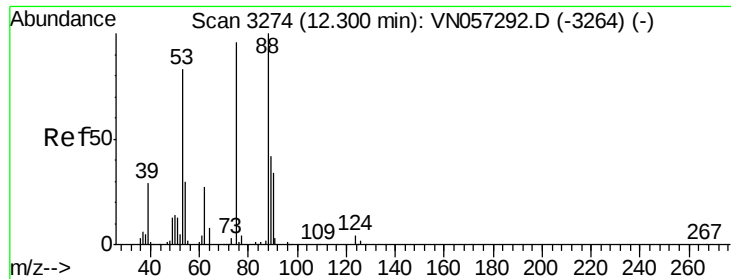
Tgt Ion: 105 Resp: 1741930

Ion Ratio Lower Upper

105 100

120 48.8 24.3 73.0





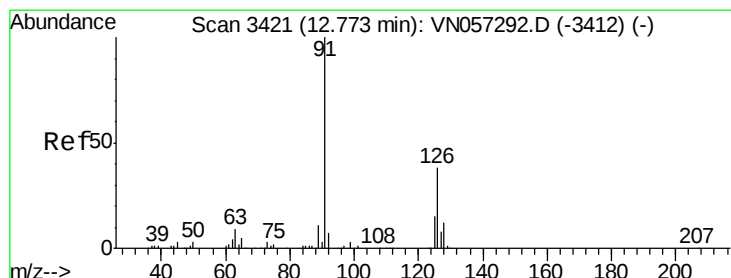
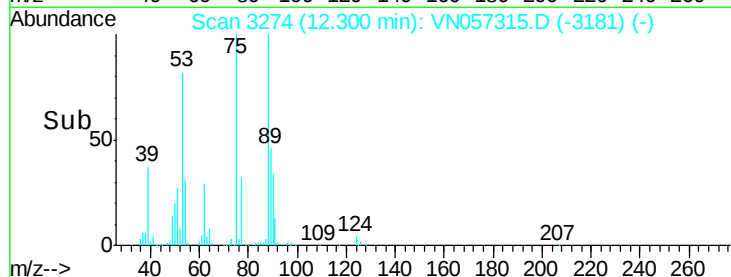
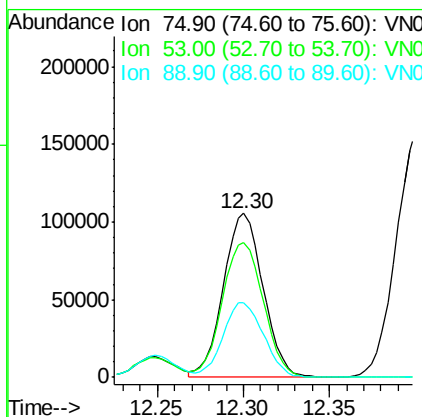
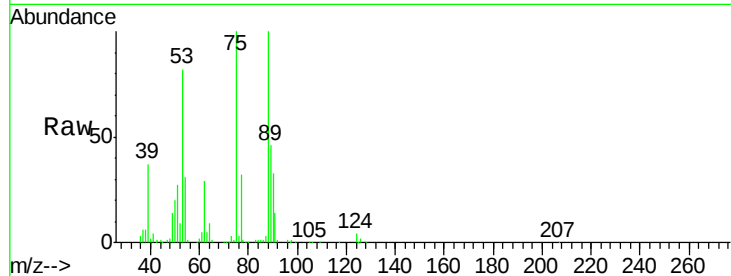
#81
trans-1,4-Dichloro-2-butene
Concen: 41.112 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.6	67.9	101.9
89	46.6	36.2	54.4

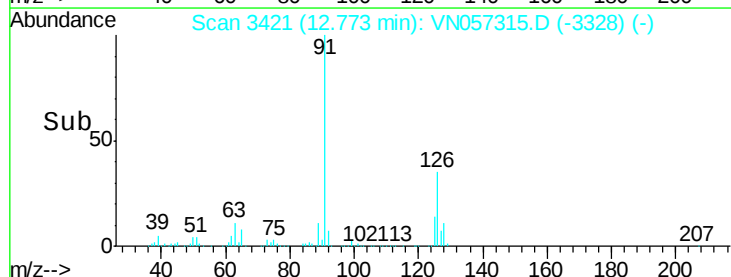
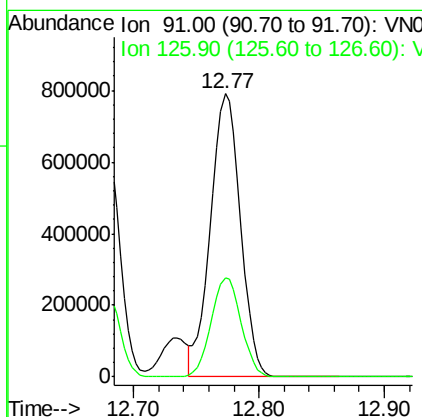
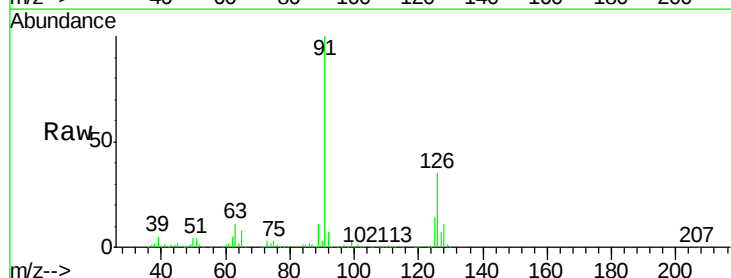
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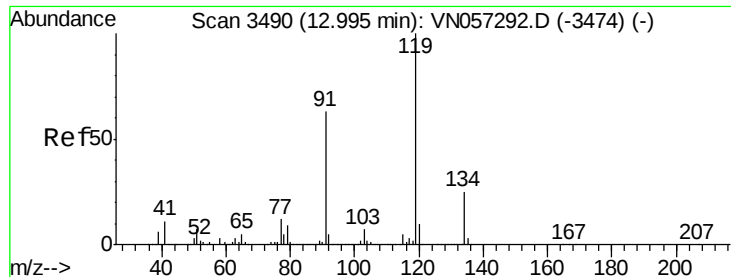
MMDadoda
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#82
4-Chlorotoluene
Concen: 45.496 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.3	51.7





#83

tert-Butylbenzene

Concen: 51.527 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1532224

Ion Ratio Lower Upper

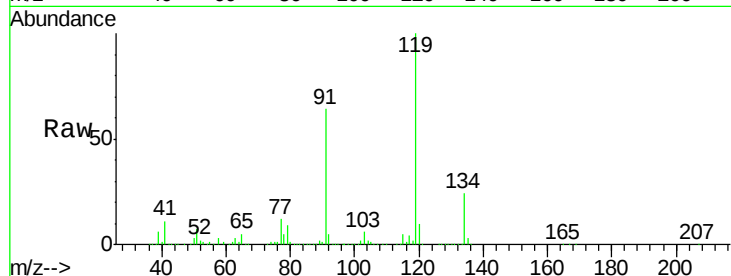
119 100

91 63.1 31.3 93.8

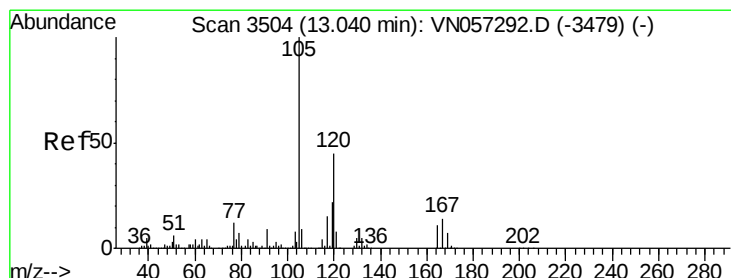
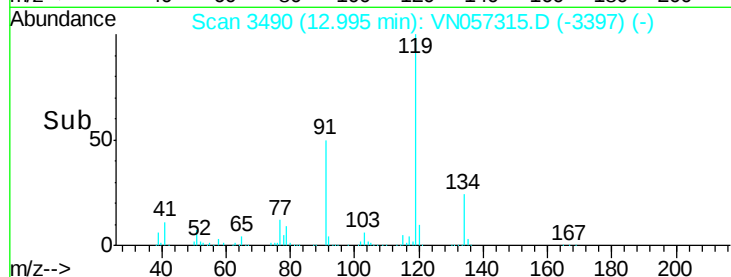
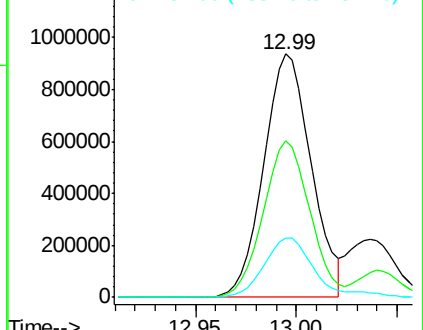
134 26.0 13.1 39.1

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



#84

1,2,4-Trimethylbenzene

Concen: 45.124 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN057315.D

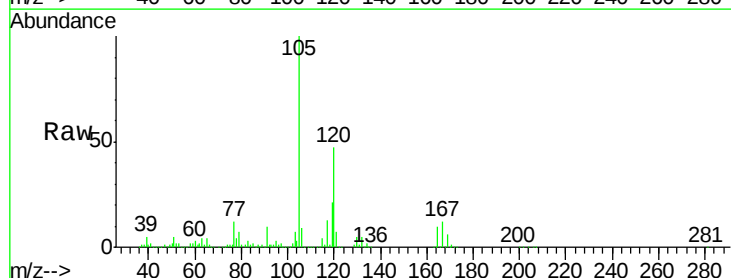
Acq: 15 Aug 2019 3:11

Tgt Ion:105 Resp: 1636858

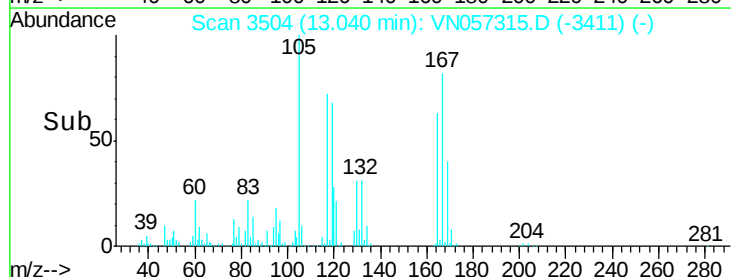
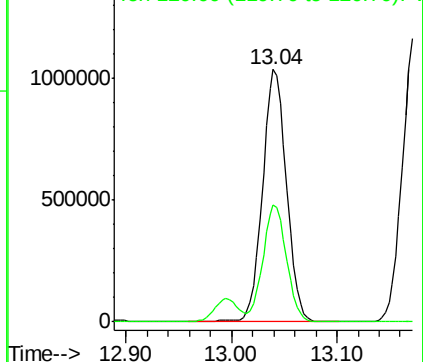
Ion Ratio Lower Upper

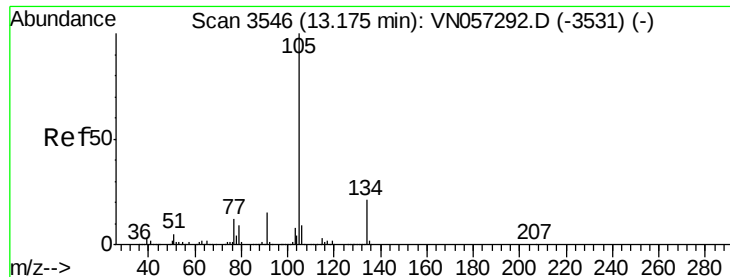
105 100

120 45.6 22.6 67.7



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





#85

sec-Butylbenzene

Concen: 49.554 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1888505

Ion Ratio Lower Upper

105 100

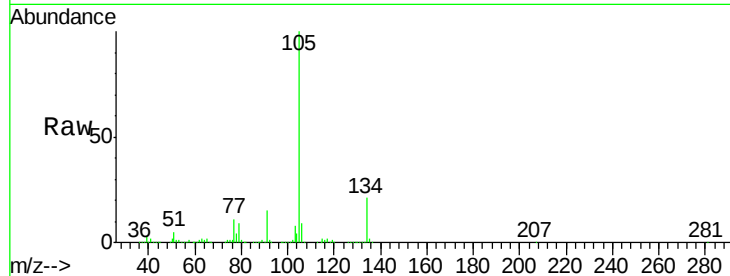
134 21.2 10.4 31.2

Manual Integrations

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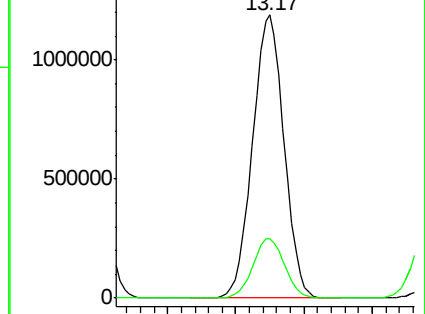
MMdadoda

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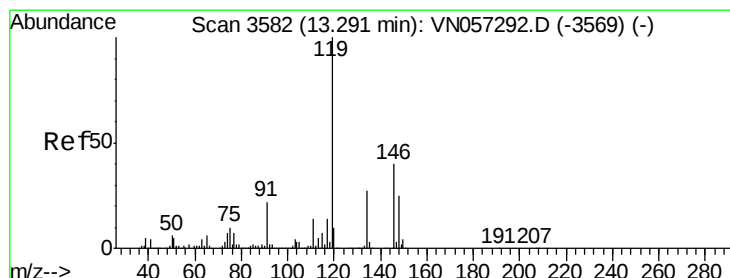
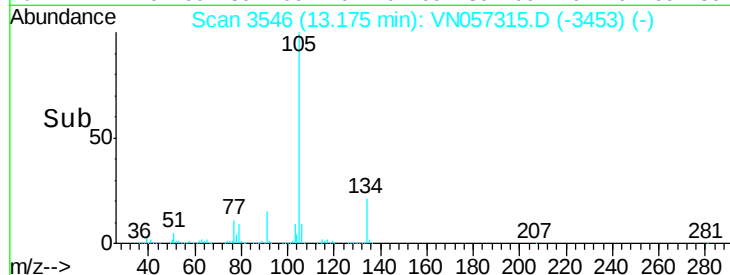


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 44.995 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

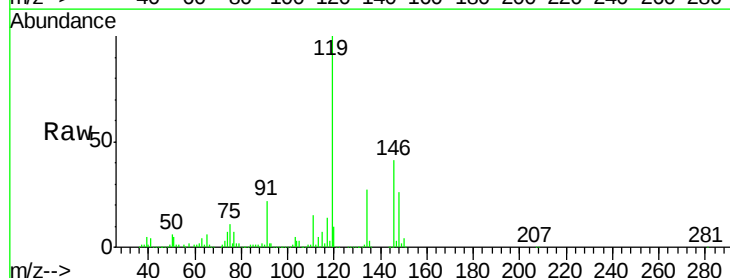
Tgt Ion:119 Resp: 1671034

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

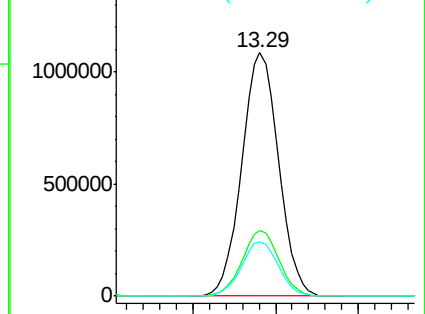
91 22.4 11.2 33.5



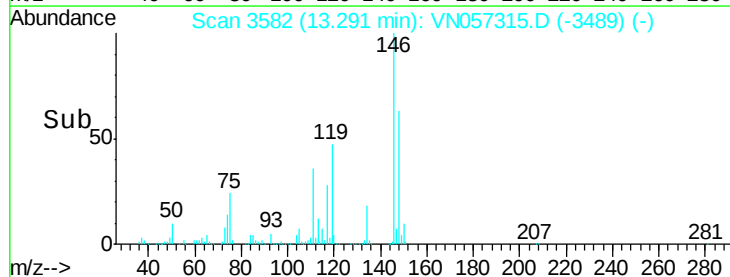
Abundance Ion 119.00 (118.70 to 119.70): V

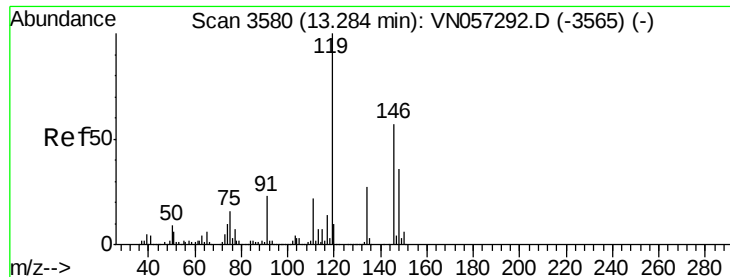
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





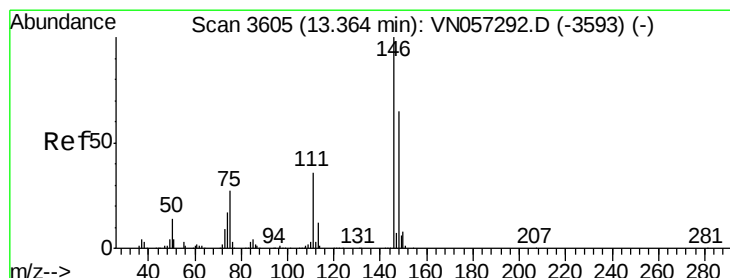
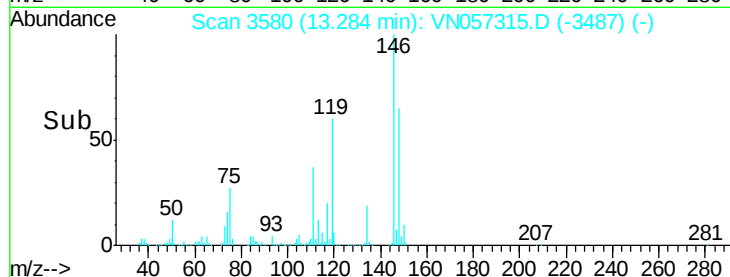
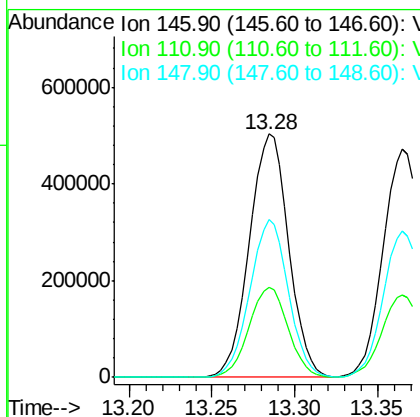
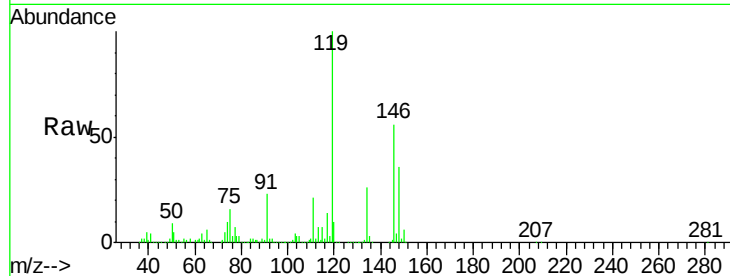
#87
 1,3-Dichlorobenzene
 Concen: 47.145 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057315.D
 Acq: 15 Aug 2019 3:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.7	56.1
148	63.5	31.7	95.1

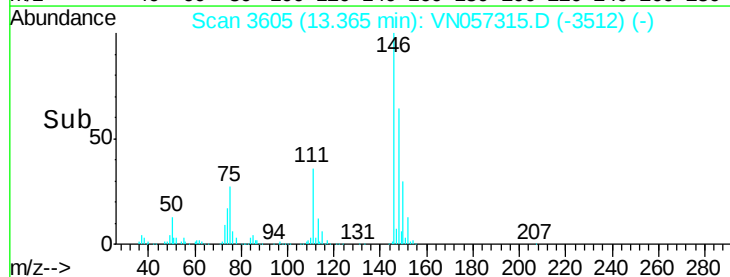
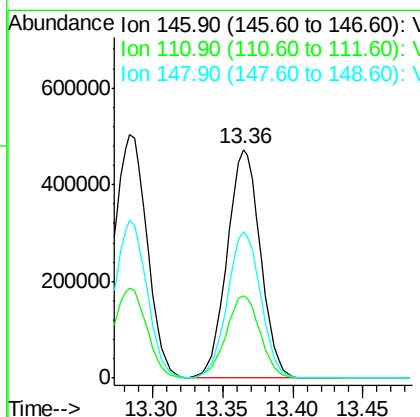
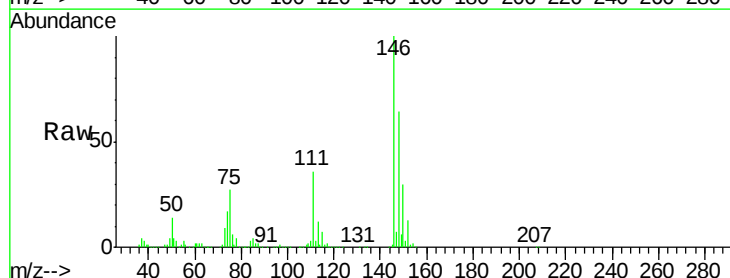
Manual Integrations
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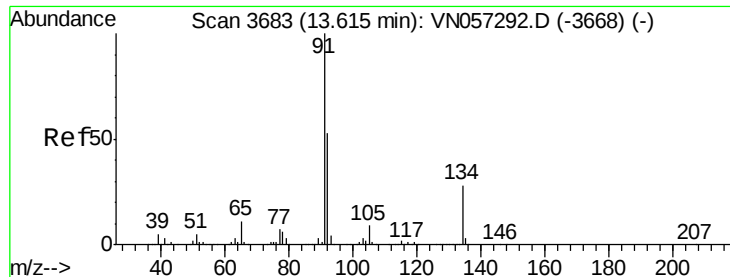
MMdadoda
 8/19/2019 1:53:24 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.487 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057315.D
 Acq: 15 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.4	55.4
148	64.3	32.5	97.4





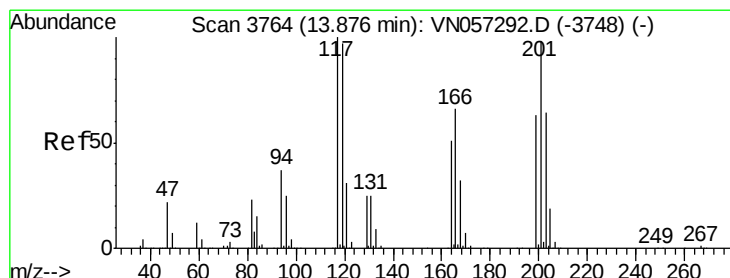
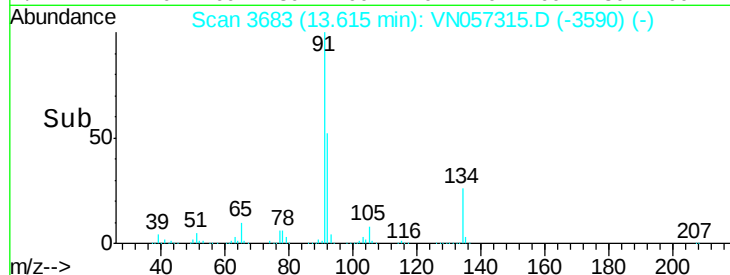
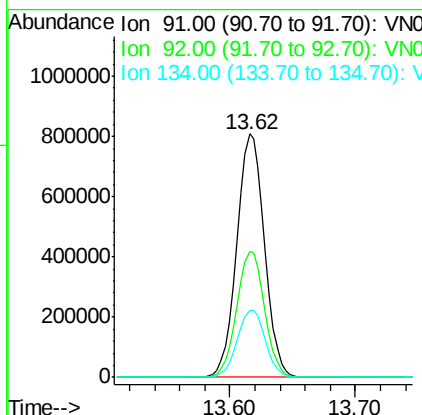
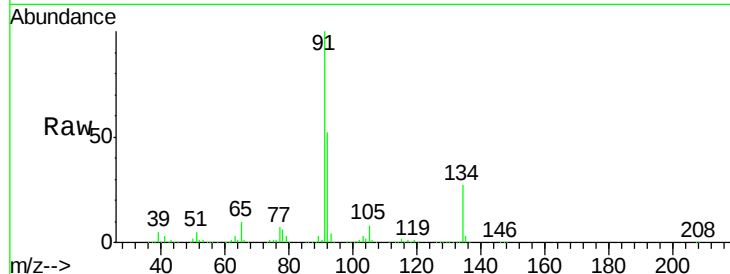
#89
n-Butylbenzene
Concen: 46.604 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1233892
Ion Ratio Lower Upper
91 100
92 52.2 26.2 78.6
134 27.9 13.9 41.7

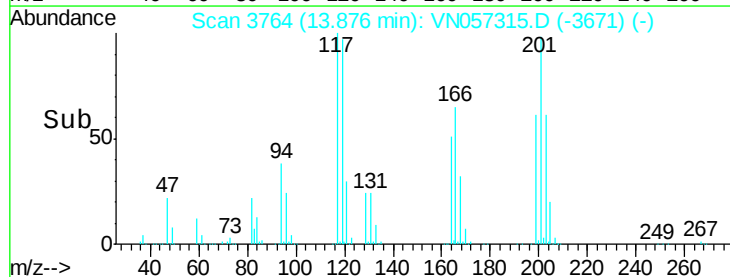
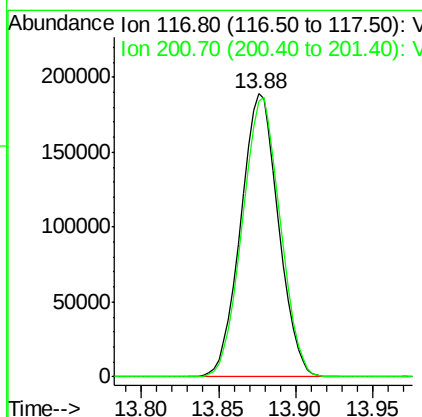
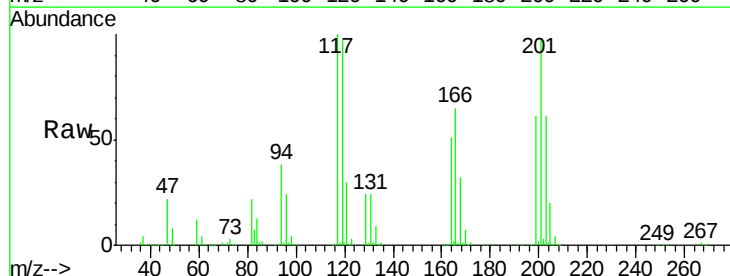
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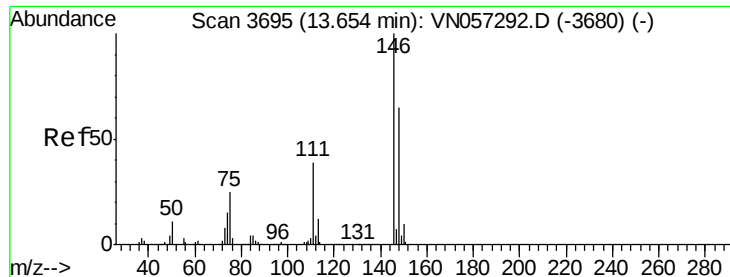
MMdadoda
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#90
Hexachloroethane
Concen: 50.889 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057315.D
Acq: 15 Aug 2019 3:11

Tgt Ion: 117 Resp: 321177
Ion Ratio Lower Upper
117 100
201 98.8 48.4 145.0





#91

1,2-Dichlorobenzene

Concen: 47.343 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

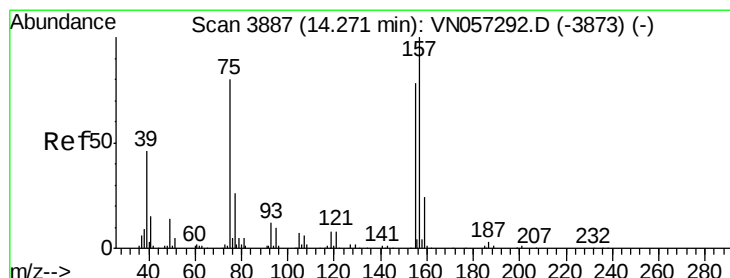
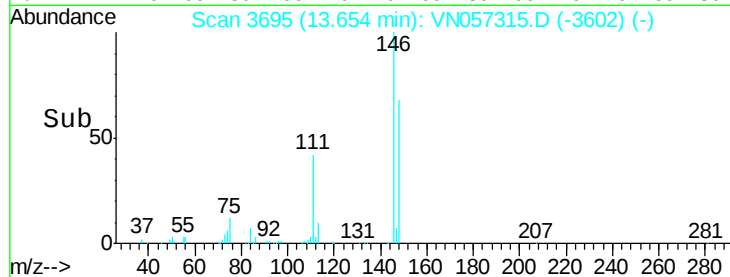
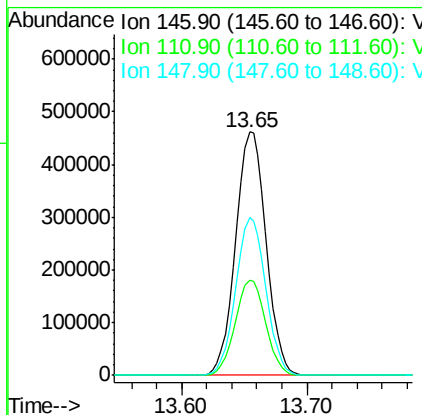
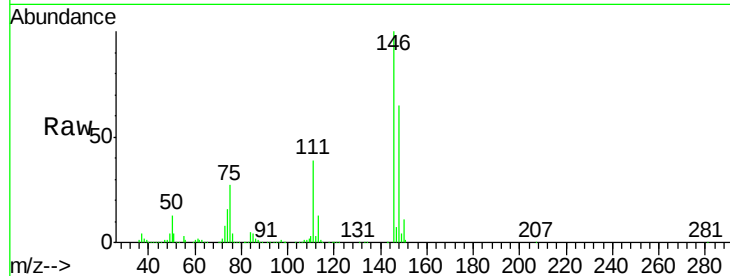
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	778747
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.7	59.1
148	64.0	32.0	96.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 43.276 ug/l

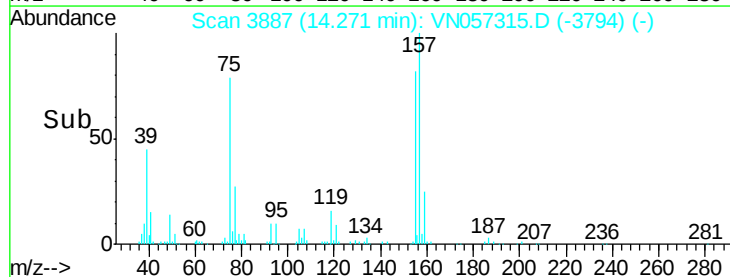
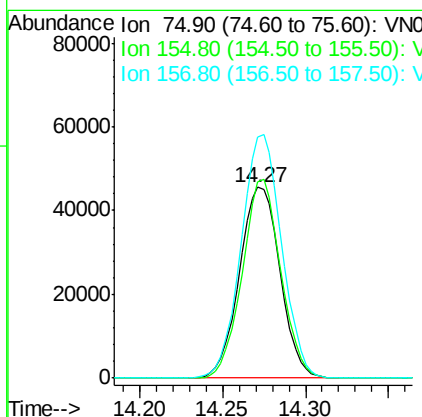
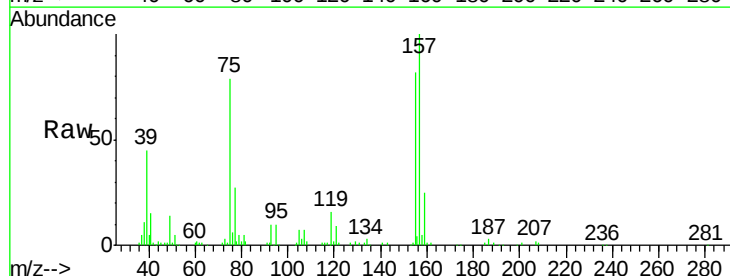
RT: 14.27 min Scan# 3887

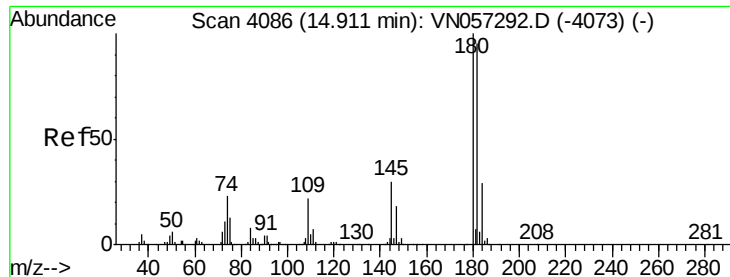
Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Tgt Ion:	75	Resp:	77720
Ion Ratio	Lower	Upper	
75	100		
155	98.2	49.6	148.8
157	126.9	63.7	191.1





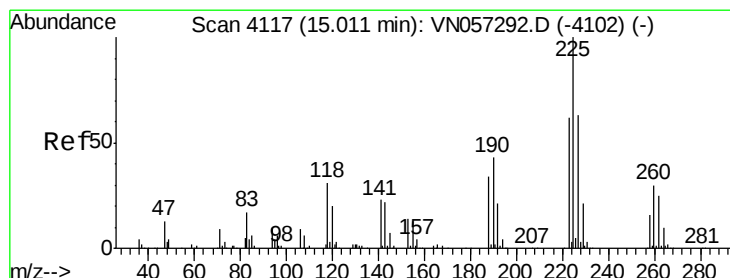
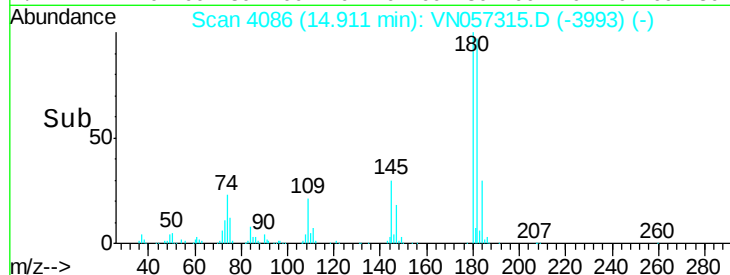
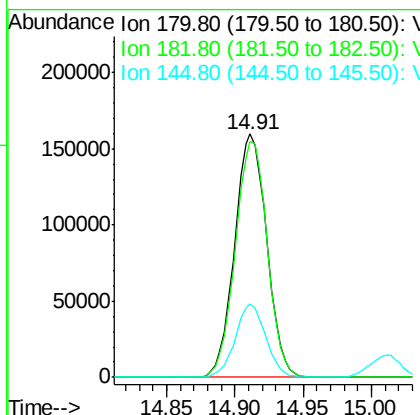
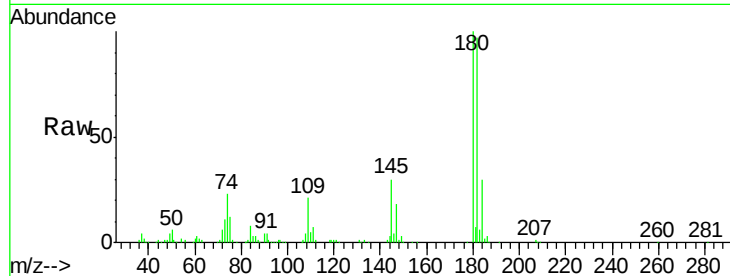
#93
 1,2,4-Trichlorobenzene
 Concen: 40.693 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057315.D
 Acq: 15 Aug 2019 3:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	260338		
182	96.9	48.0	144.2	
145	28.8	14.5	43.6	

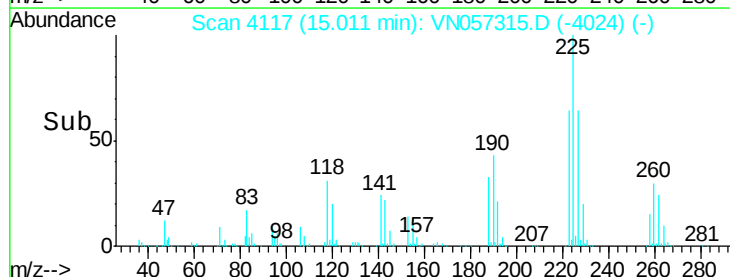
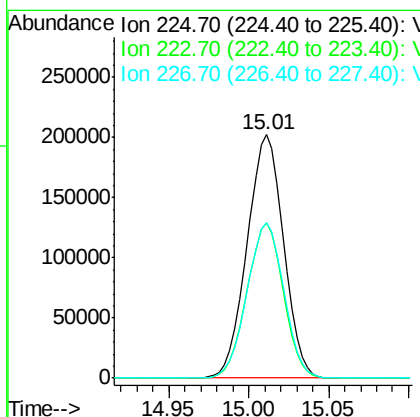
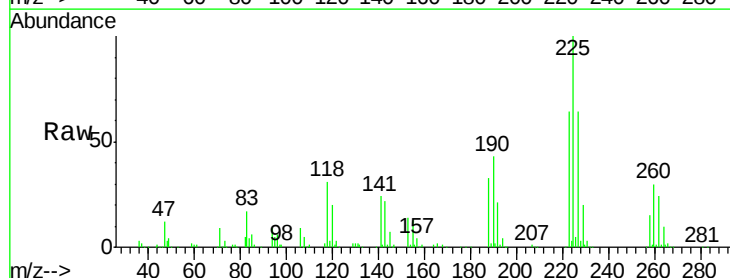
Manual Integrations
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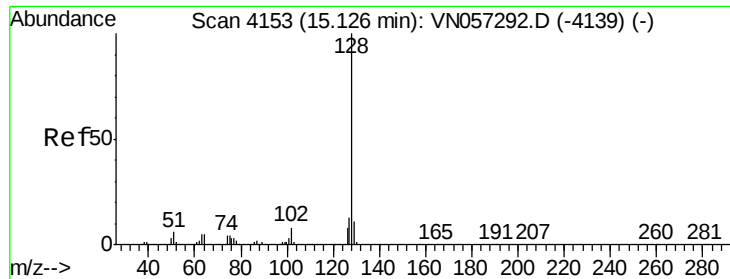
MMdadoda
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#94
 Hexachlorobutadiene
 Concen: 49.937 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057315.D
 Acq: 15 Aug 2019 3:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	314967		
223	63.5	30.7	92.1	
227	64.4	30.9	92.7	





#95

Naphthalene

Concen: 51.693 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Instrument :

MSVOA_N

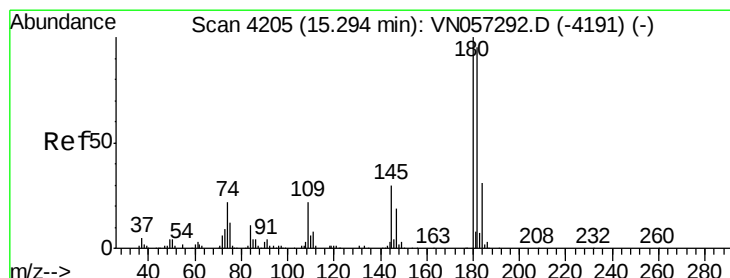
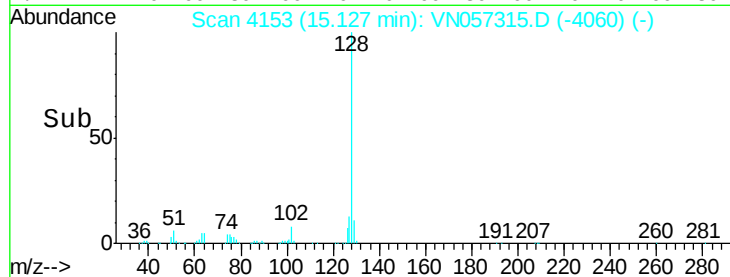
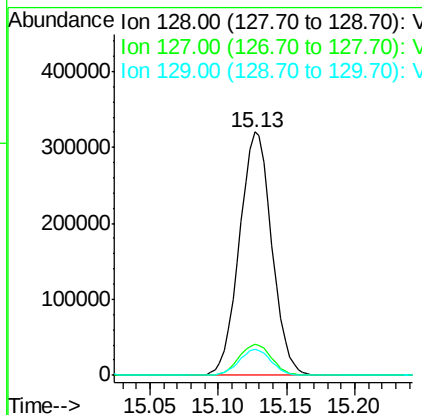
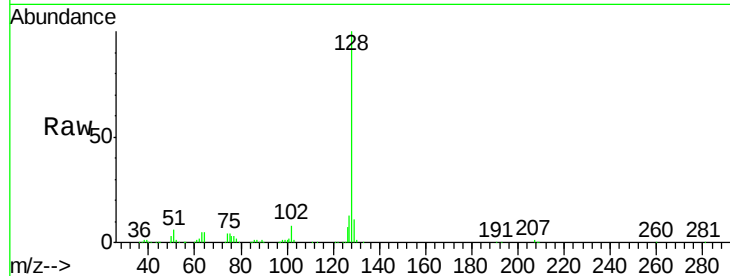
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	526522
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.7	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 52.459 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057315.D

Acq: 15 Aug 2019 3:11

Tgt Ion:	180	Resp:	242241
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.9	143.6
145	29.9	15.1	45.3

