

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082419\
 Data File : VN057496.D
 Acq On : 24 Aug 2019 1:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 1:13:16 PM

Quant Time: Aug 26 06:40:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	328949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	620231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	587884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	222268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	310035	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
35) Dibromofluoromethane	7.57	113	204285	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	10.08	98	838309	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
62) 4-Bromofluorobenzene	12.40	95	289269	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	188115	48.461	ug/l	96
3) Chloromethane	2.05	50	259304	46.771	ug/l	100
4) Vinyl Chloride	2.17	62	330743	49.012	ug/l	98
5) Bromomethane	2.54	94	203316	48.890	ug/l	97
6) Chloroethane	2.68	64	216023	49.767	ug/l	96
7) Trichlorofluoromethane	3.00	101	515315	49.196	ug/l	98
8) Diethyl Ether	3.39	74	185627	52.771	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	271867	51.879	ug/l	100
10) Methyl Iodide	3.92	142	211328	49.408	ug/l	99
11) Tert butyl alcohol	4.78	59	160469	223.193	ug/l	100
12) 1,1-Dichloroethene	3.71	96	275708	49.241	ug/l	98
13) Acrolein	3.58	56	150716	238.398	ug/l	94
14) Allyl chloride	4.29	41	356271	48.041	ug/l	97
15) Acrylonitrile	4.97	53	475556	245.269	ug/l	99
16) Acetone	3.80	43	649748	244.501	ug/l	96
17) Carbon Disulfide	4.02	76	473251	44.309	ug/l	98
18) Methyl Acetate	4.30	43	295558	51.567	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	626660	46.364	ug/l	99
20) Methylene Chloride	4.52	84	196036	49.755	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	182420	46.169	ug/l	99
22) Diisopropyl ether	5.93	45	784592	49.388	ug/l	97
23) Vinyl Acetate	5.87	43	2937288	236.724	ug/l	99
24) 1,1-Dichloroethane	5.82	63	414390	49.220	ug/l	98
25) 2-Butanone	6.82	43	667247	231.230	ug/l	99
26) 2,2-Dichloropropane	6.80	77	265103	36.361	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	225108	48.062	ug/l	97
28) Bromochloromethane	7.18	49	246039	54.267	ug/l	98
29) Tetrahydrofuran	7.20	42	452639	237.883	ug/l	99
30) Chloroform	7.36	83	399897	51.195	ug/l	96
31) Cyclohexane	7.63	56	395177	48.616	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	336947	46.656	ug/l	99
36) 1,1-Dichloropropene	7.78	75	298035	47.027	ug/l	99
37) Ethyl Acetate	6.91	43	293460	46.861	ug/l	98
38) Carbon Tetrachloride	7.76	117	274155	43.544	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	351506	46.701	ug/l	98
40) Benzene	8.03	78	883463	46.445	ug/l	99
41) Methacrylonitrile	7.16	41	143793	48.153	ug/l	92
42) 1,2-Dichloroethane	8.11	62	347504	47.448	ug/l	98
43) Isopropyl Acetate	8.16	43	524262	45.656	ug/l	99
44) Trichloroethene	8.82	130	196178	46.202	ug/l	97
45) 1,2-Dichloropropane	9.11	63	255109	47.621	ug/l	98
46) Dibromomethane	9.20	93	148798	47.384	ug/l	95
47) Bromodichloromethane	9.39	83	322027	45.565	ug/l	98
48) Methyl methacrylate	9.19	41	259176	47.466	ug/l	99
49) 1,4-Dioxane	9.20	88	64935	919.641	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	1530608	239.176	ug/l	99
52) Toluene	10.15	92	547742	49.962	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	343048	46.340	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	355918	43.181	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	210198	47.411	ug/l	97
56) Ethyl methacrylate	10.43	69	341522	48.969	ug/l	98
57) 1,3-Dichloropropane	10.70	76	388412	50.337	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	574973	292.874	ug/l	99
59) 2-Hexanone	10.75	43	1046811	238.490	ug/l	99
60) Dibromochloromethane	10.90	129	220488	47.060	ug/l	99
61) 1,2-Dibromoethane	11.00	107	213573	49.115	ug/l	98
64) Tetrachloroethene	10.63	164	186655	45.383	ug/l	97
65) Chlorobenzene	11.43	112	544959	45.857	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	203661	44.686	ug/l	99
67) Ethyl Benzene	11.51	91	1079324	46.922	ug/l	98
68) m/p-Xylenes	11.62	106	738658	94.426	ug/l	97
69) o-Xylene	11.95	106	369354	47.663	ug/l	100
70) Styrene	11.96	104	613133	49.968	ug/l	100
71) Bromoform	12.12	173	129838	42.143	ug/l #	95
73) Isopropylbenzene	12.25	105	999863	50.753	ug/l	98
74) N-amyl acetate	12.07	43	445988	47.882	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	277985	48.860	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	262700m	53.671	ug/l	
77) Bromobenzene	12.53	156	205598	50.442	ug/l	97
78) n-propylbenzene	12.59	91	1117936	49.415	ug/l	100
79) 2-Chlorotoluene	12.67	91	669711	50.536	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	828492	51.202	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	82668	40.689	ug/l	97
82) 4-Chlorotoluene	12.77	91	642205	48.447	ug/l	100
83) tert-Butylbenzene	12.99	119	683979	50.529	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	792342	45.854	ug/l	99
85) sec-Butylbenzene	13.17	105	922953	50.265	ug/l	99
86) p-Isopropyltoluene	13.29	119	767108	44.154	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	317570	44.233	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	307455	43.729	ug/l	98
89) n-Butylbenzene	13.62	91	662723	45.076	ug/l	100
90) Hexachloroethane	13.88	117	150362	45.976	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	319259	46.583	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46419	43.632	ug/l	96

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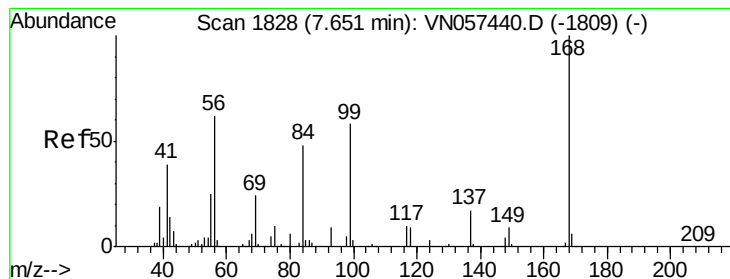
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	98443	37.058	ug/l	96
94) Hexachlorobutadiene	15.01	225	83627	47.754	ug/l	99
95) Naphthalene	15.13	128	323755	37.776	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	104068	38.831	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 328949

Ion Ratio Lower Upper

168 100

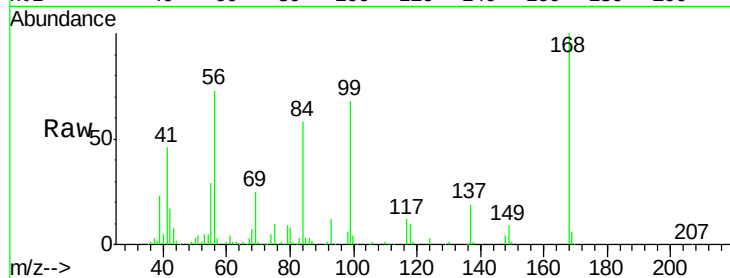
99 67.5 50.6 76.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

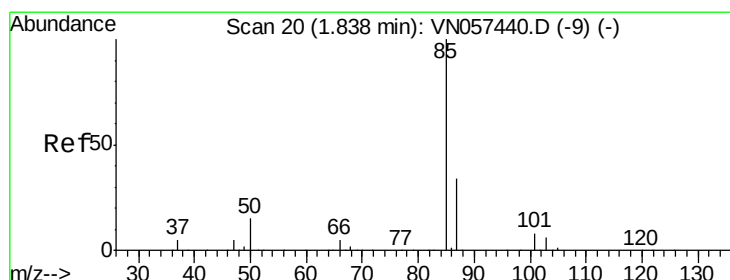
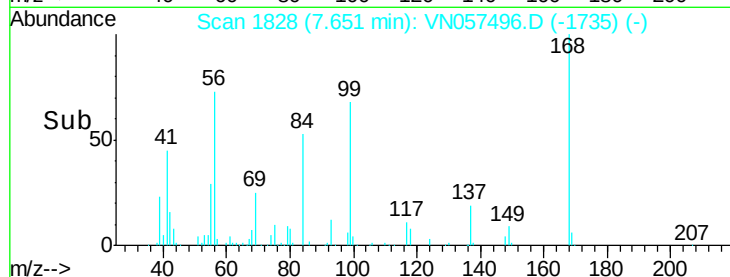
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 48.461 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057496.D

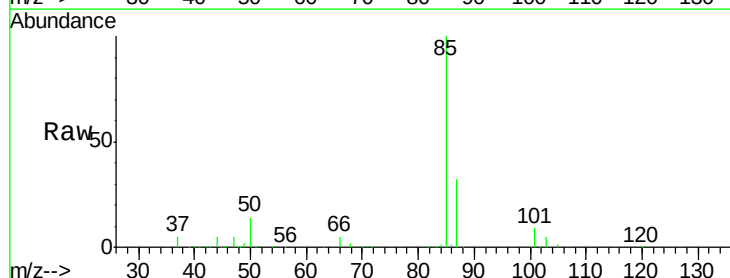
Acq: 24 Aug 2019 1:34

Tgt Ion: 85 Resp: 188115

Ion Ratio Lower Upper

85 100

87 32.0 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

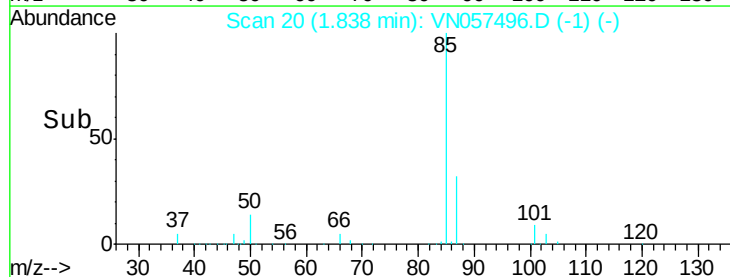
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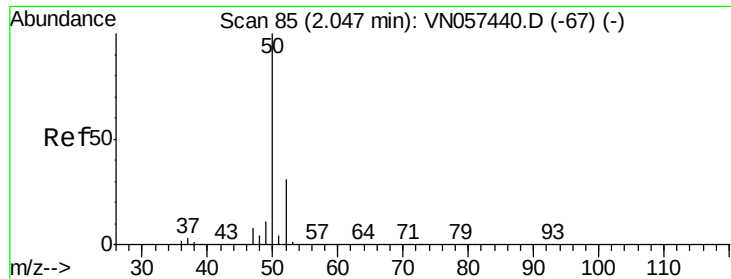
100000

50000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 46.771 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 259304

Ion Ratio Lower Upper

50 100

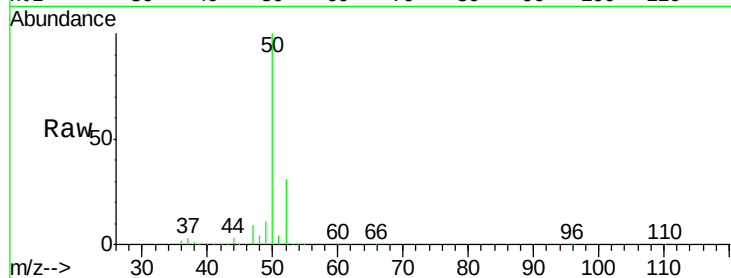
52 31.3 25.1 37.7

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

200000

150000

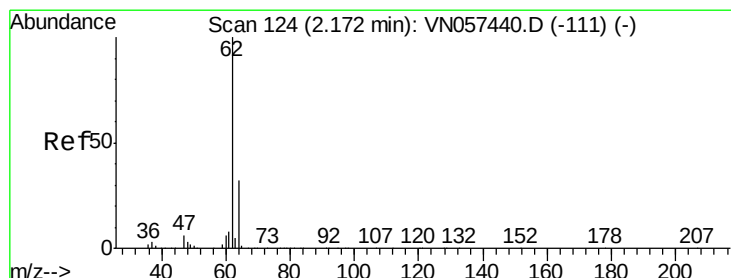
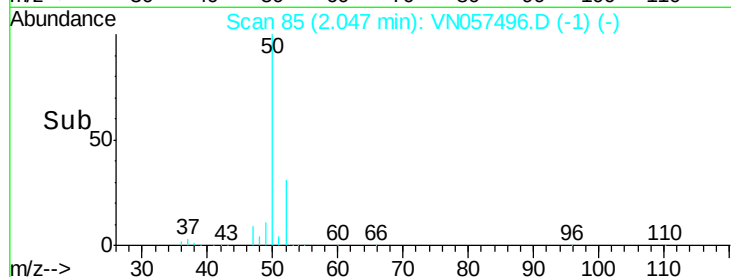
100000

50000

0

Time-->

1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 49.012 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057496.D

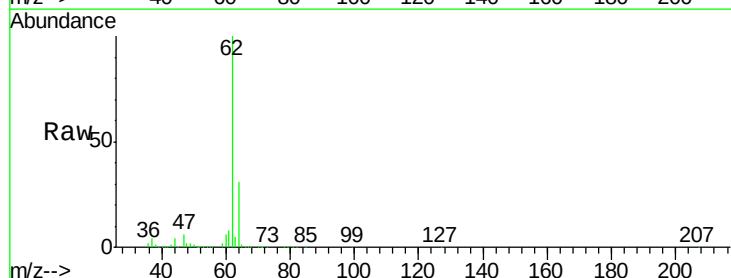
Acq: 24 Aug 2019 1:34

Tgt Ion: 62 Resp: 330743

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

250000

200000

150000

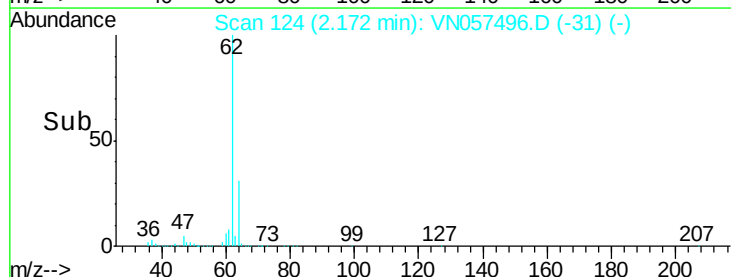
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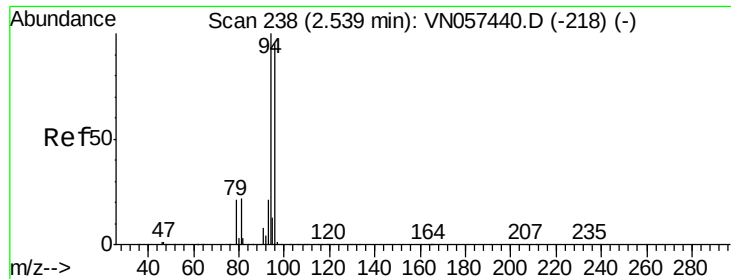
50000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 48.890 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 203316

Ion Ratio Lower Upper

94 100

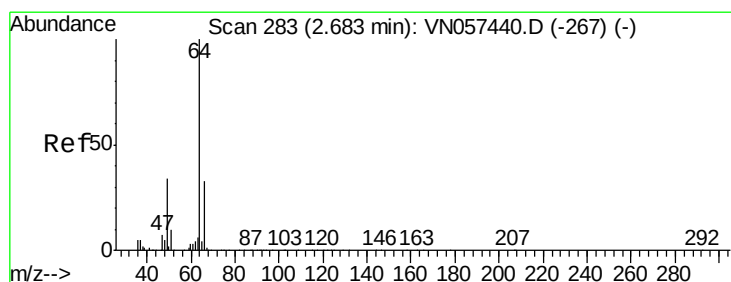
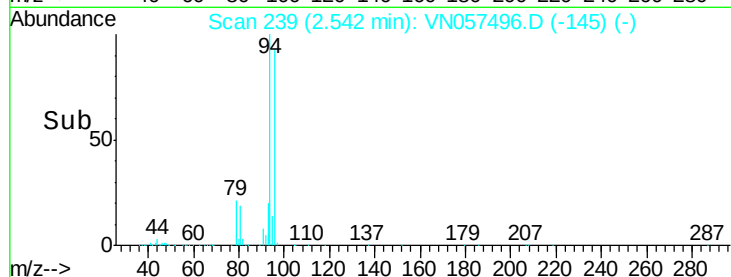
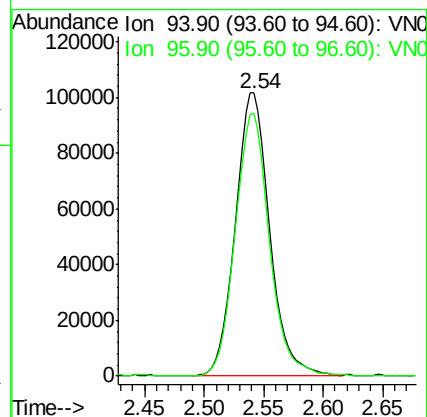
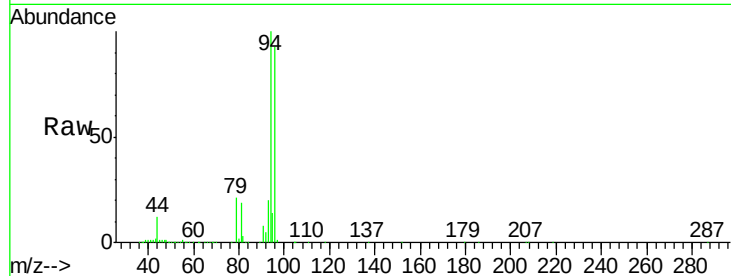
96 92.5 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 49.767 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN057496.D

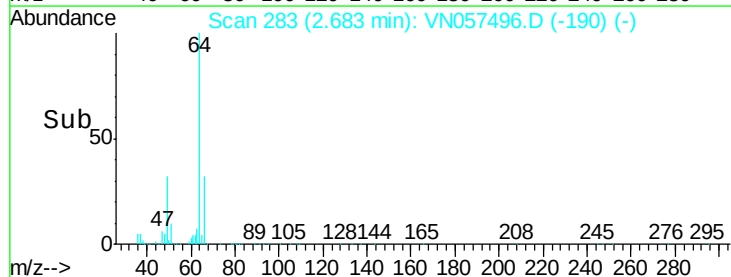
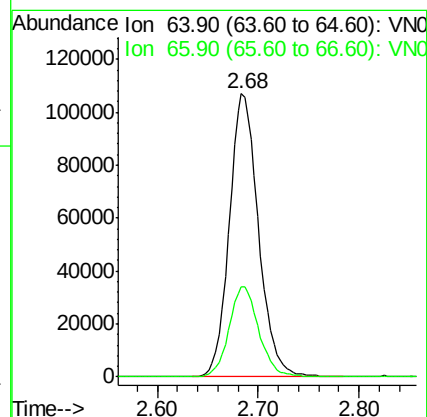
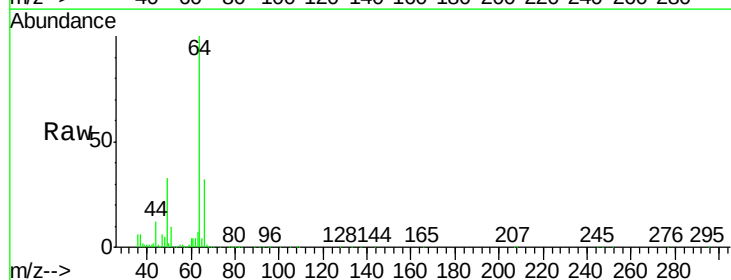
Acq: 24 Aug 2019 1:34

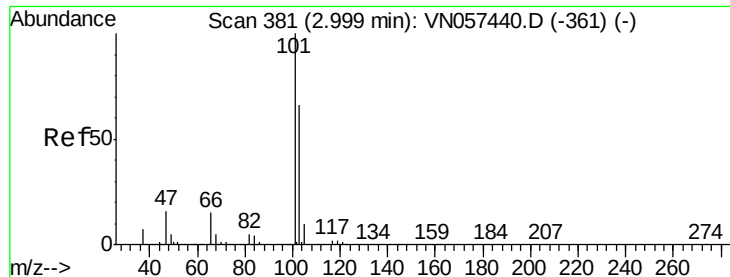
Tgt Ion: 64 Resp: 216023

Ion Ratio Lower Upper

64 100

66 31.5 26.8 40.2





#7

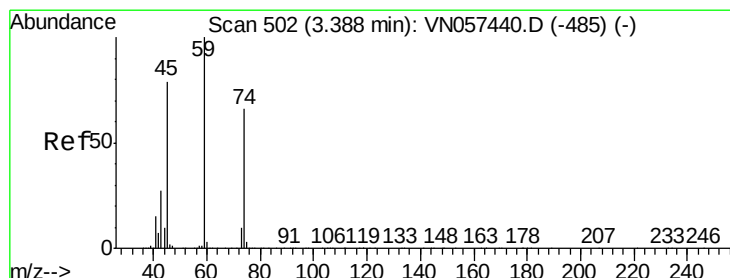
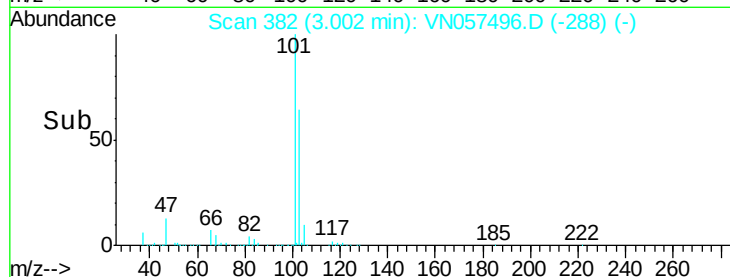
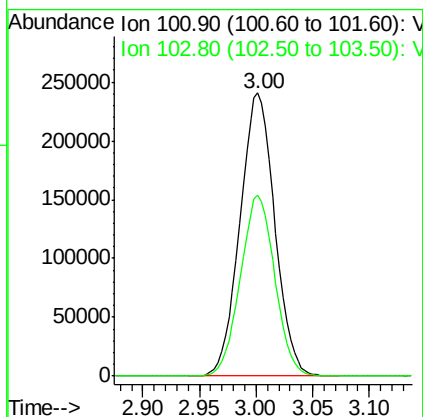
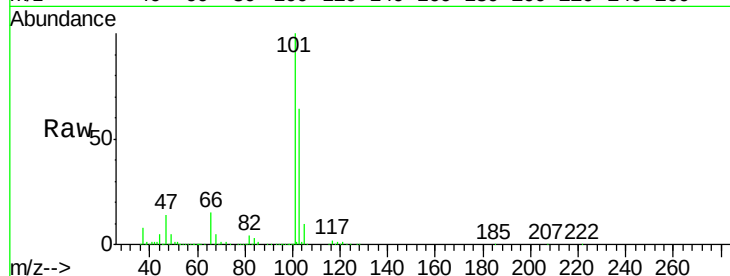
Trichlorofluoromethane
 Concen: 49.196 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN057496.D
 Acq: 24 Aug 2019 1:34

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.6	78.8

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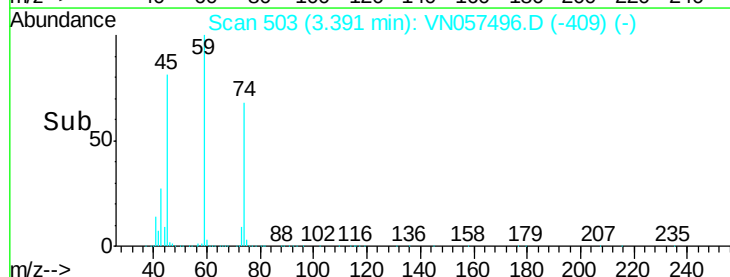
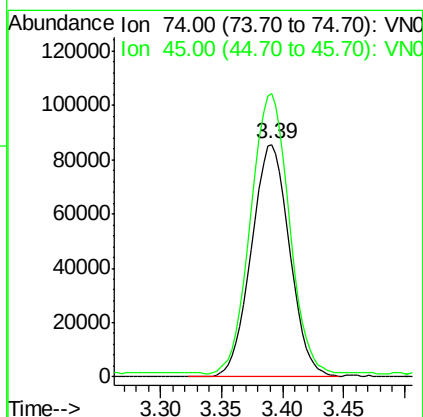
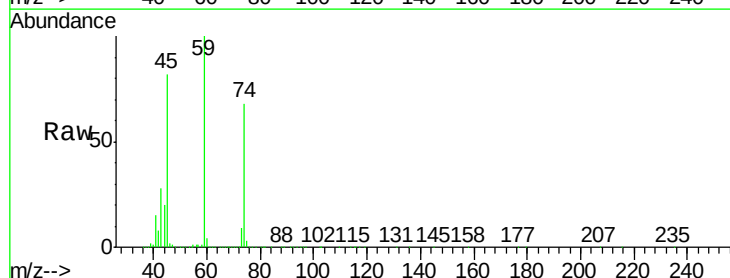
MMDadoda
 8/26/2019 1:13:16 PM

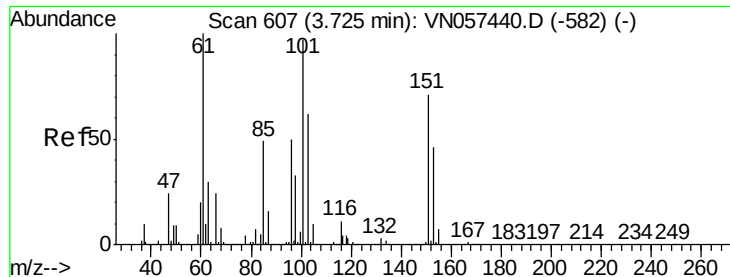


#8

Diethyl Ether
 Concen: 52.771 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057496.D
 Acq: 24 Aug 2019 1:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.0	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.879 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

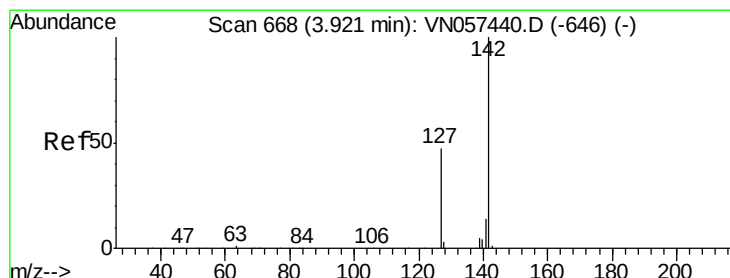
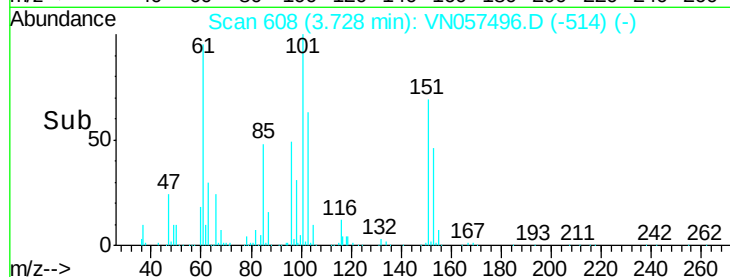
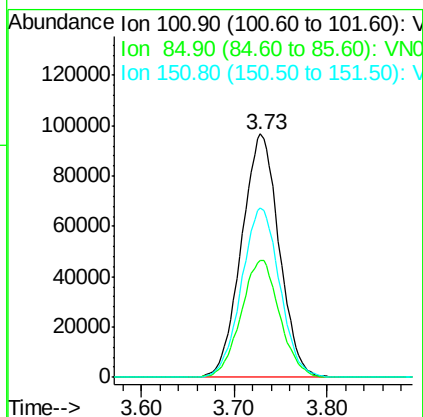
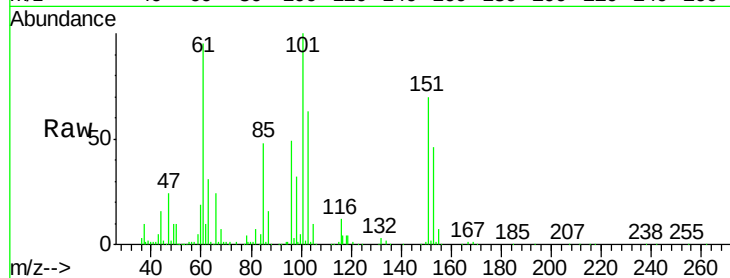
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	271867
Ion Ratio	Lower	Upper	
101	100		
85	49.6	40.0	60.0
151	71.0	57.0	85.6

Manual Integrations
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#10

Methyl Iodide

Concen: 49.408 ug/l

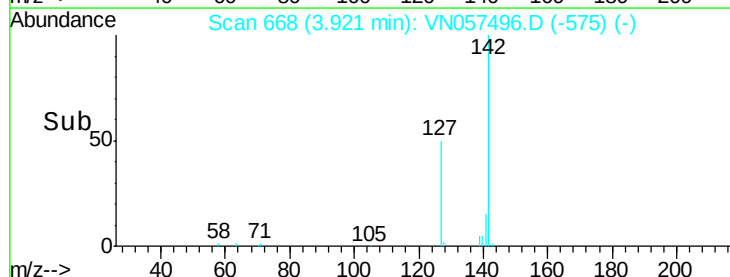
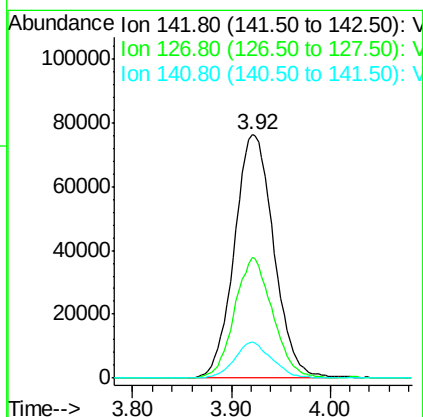
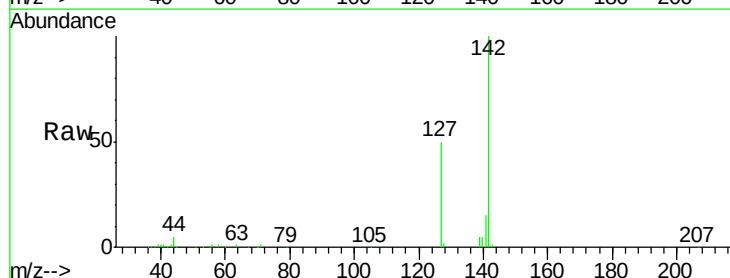
RT: 3.92 min Scan# 668

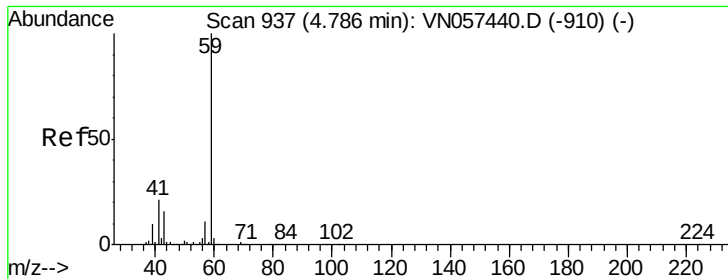
Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Tgt Ion:	142	Resp:	211328
Ion Ratio	Lower	Upper	
142	100		
127	48.0	37.8	56.8
141	14.1	11.9	17.9





#11

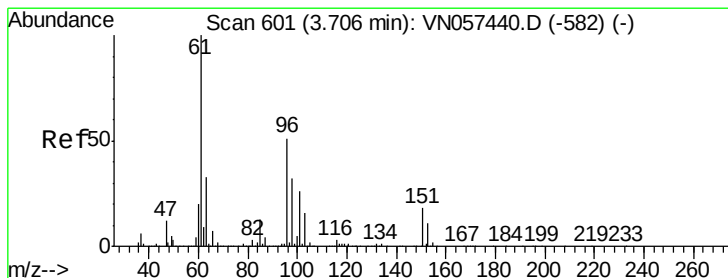
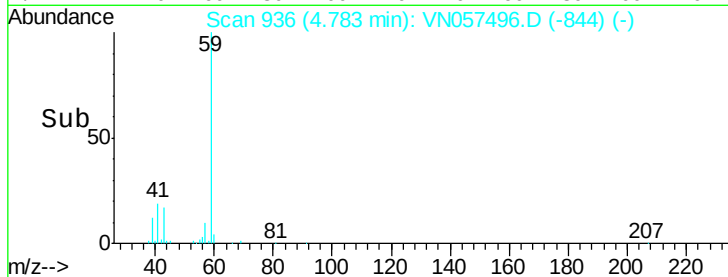
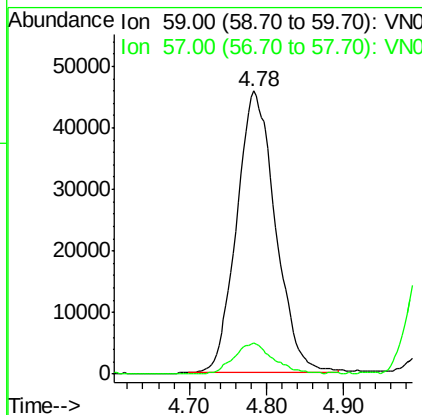
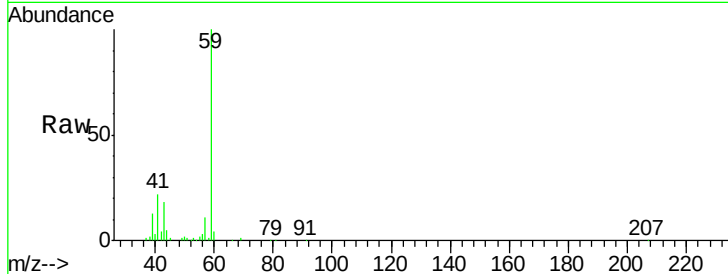
Tert butyl alcohol
 Concen: 223.193 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VN057496.D
 Acq: 24 Aug 2019 1:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.1	13.7

Manual Integrations
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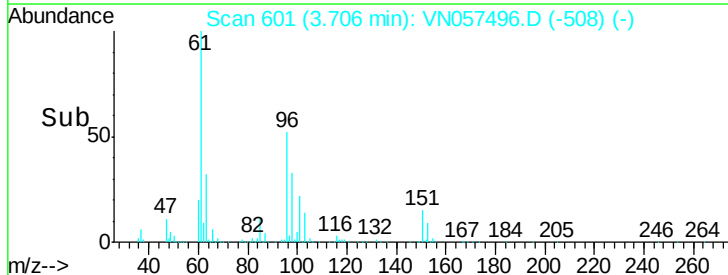
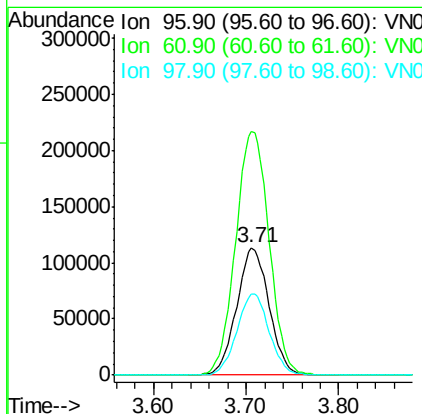
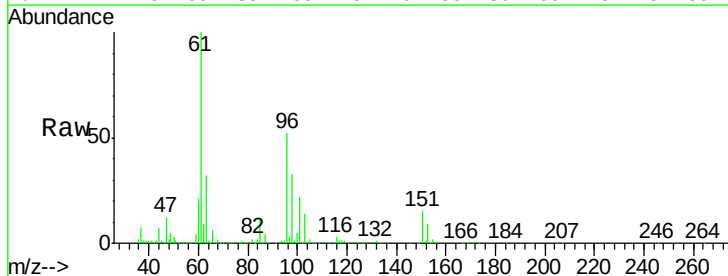
MMDadoda
 8/26/2019 1:13:16 PM

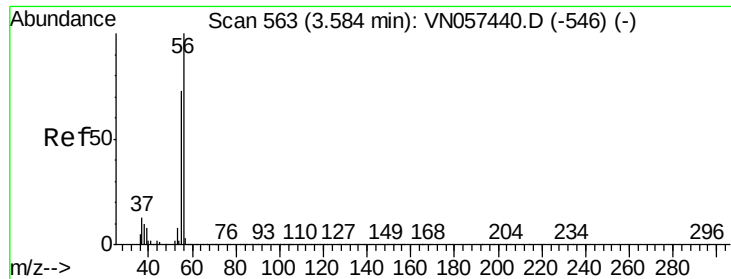


#12

1,1-Dichloroethene
 Concen: 49.241 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.00 min
 Lab File: VN057496.D
 Acq: 24 Aug 2019 1:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.0	155.3	232.9
98	63.0	50.2	75.2





#13

Acrolein

Concen: 238.398 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 150716

Ion Ratio Lower Upper

56 100

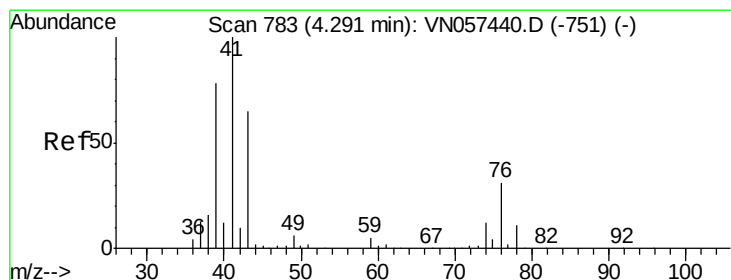
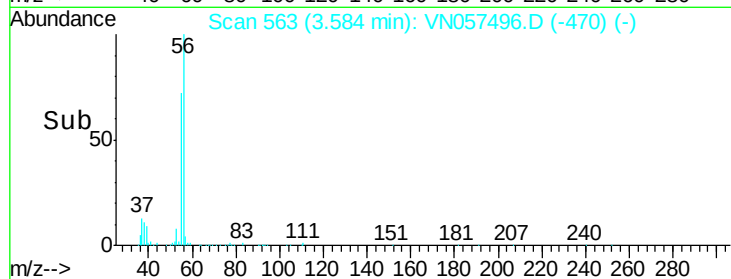
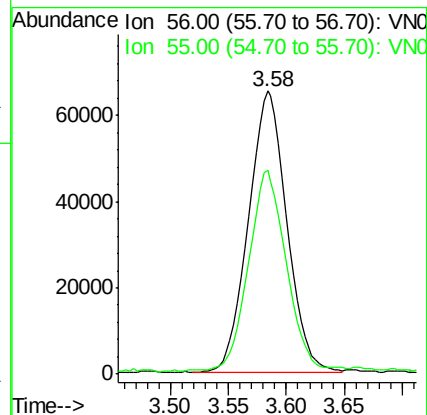
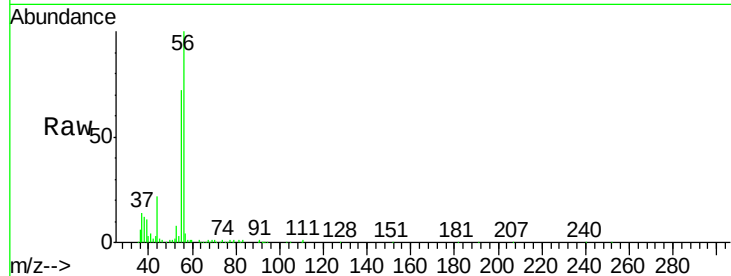
55 68.7 59.0 88.4

Manual Integrations

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#14

Allyl chloride

Concen: 48.041 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

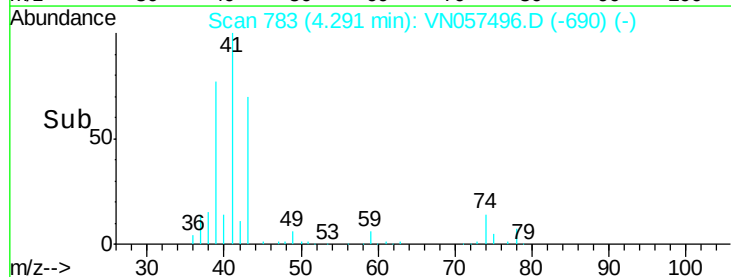
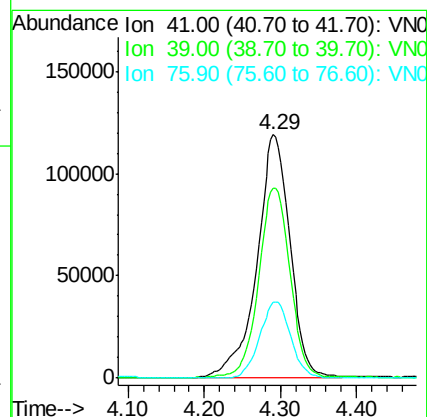
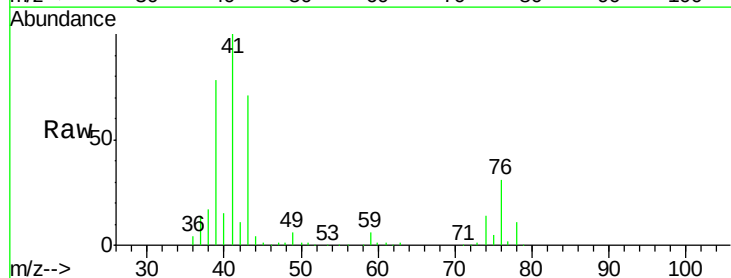
Tgt Ion: 41 Resp: 356271

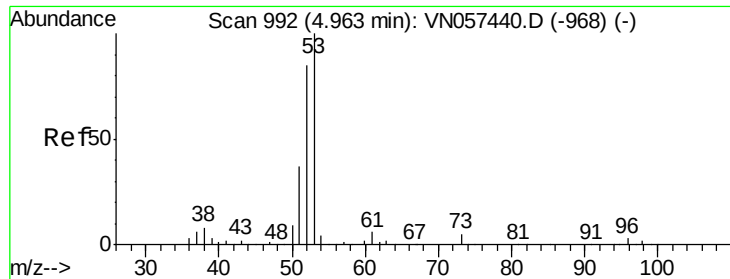
Ion Ratio Lower Upper

41 100

39 74.2 57.4 86.2

76 29.4 22.9 34.3





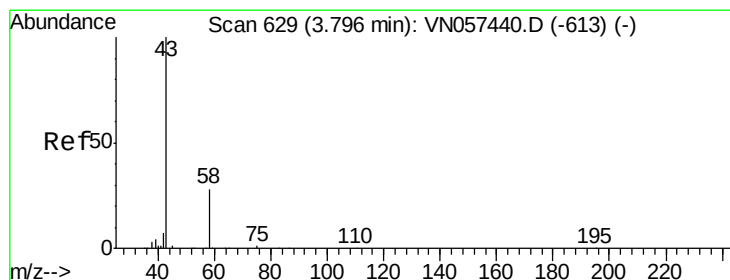
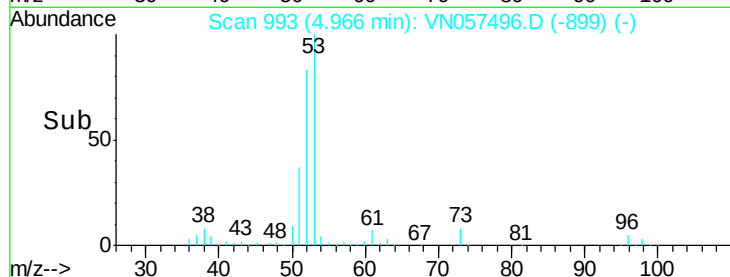
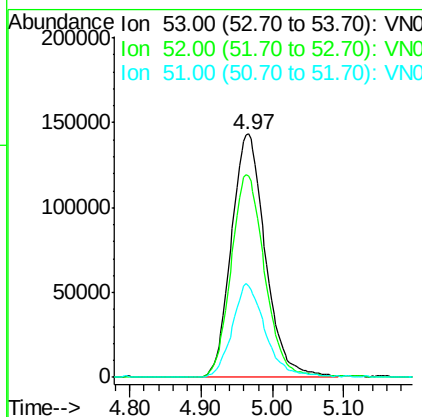
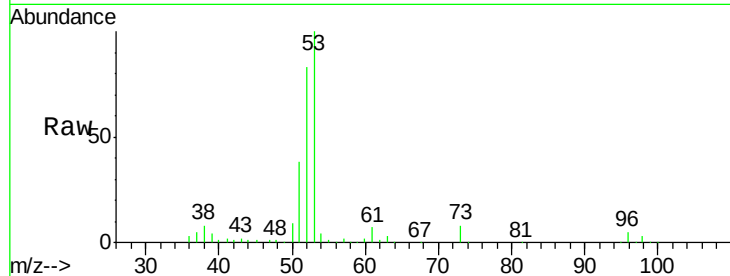
#15
 Acrylonitrile
 Concen: 245.269 ug/l
 RT: 4.97 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VN057496.D
 Acq: 24 Aug 2019 1:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	67.0	100.6
51	37.5	29.9	44.9

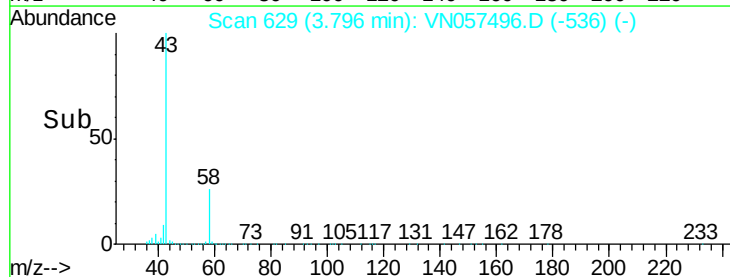
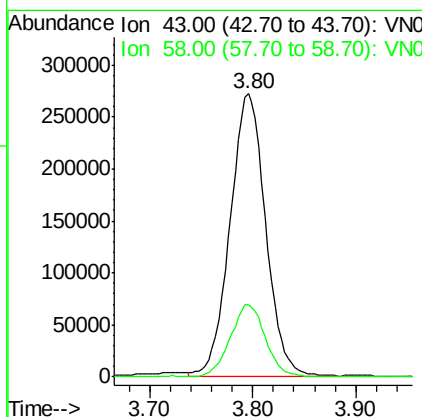
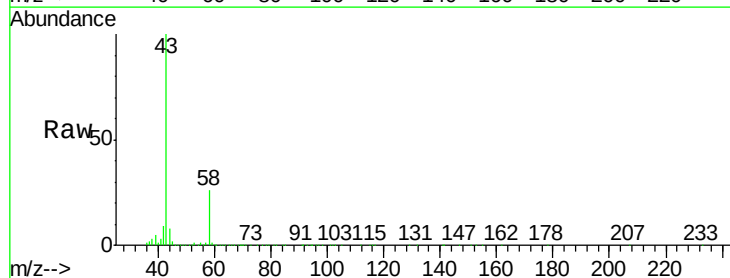
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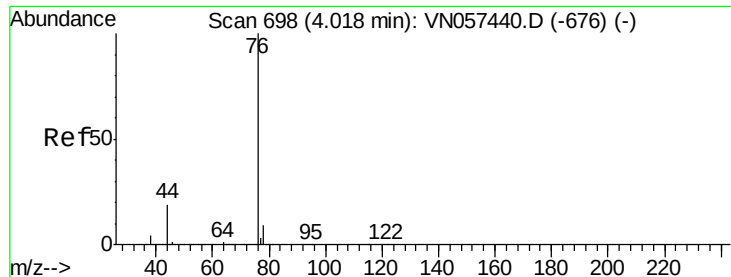
MMDadoda
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#16
 Acetone
 Concen: 244.501 ug/l
 RT: 3.80 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VN057496.D
 Acq: 24 Aug 2019 1:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	25.6	22.1	33.1





#17

Carbon Disulfide

Concen: 44.309 ug/l

RT: 4.02 min Scan# 699

Delta R.T. 0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Tot Ion: 76 Resp: 473251

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7

Instrument :

MSVOA_N

ClientSampleId :

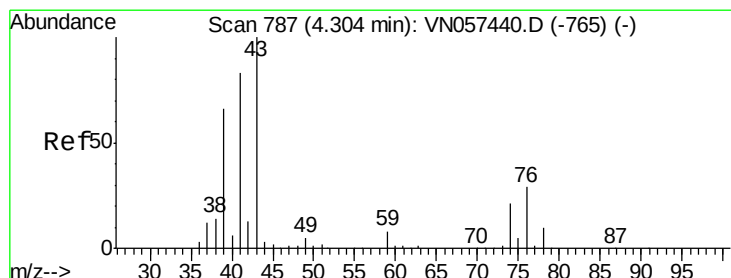
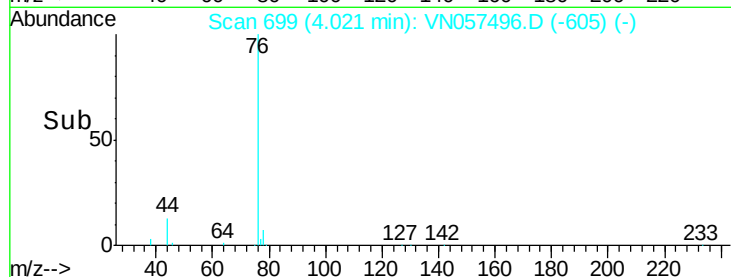
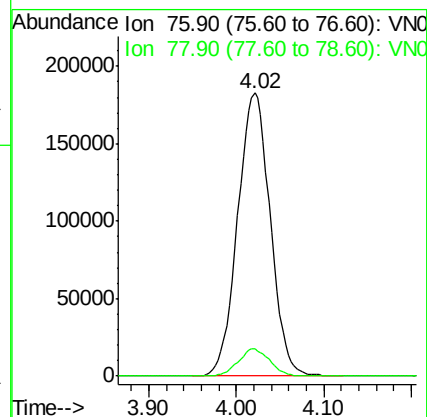
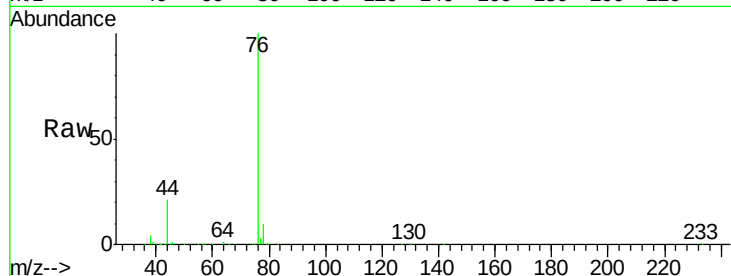
VSTDCCC050EC

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#18

Methyl Acetate

Concen: 51.567 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN057496.D

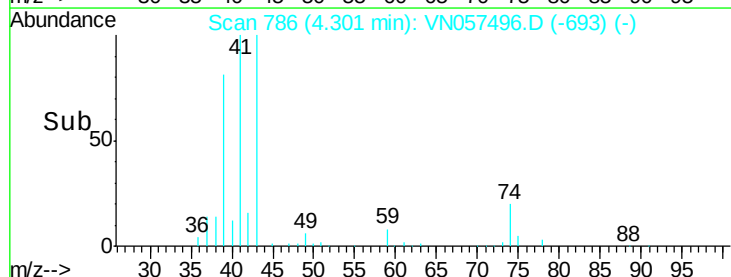
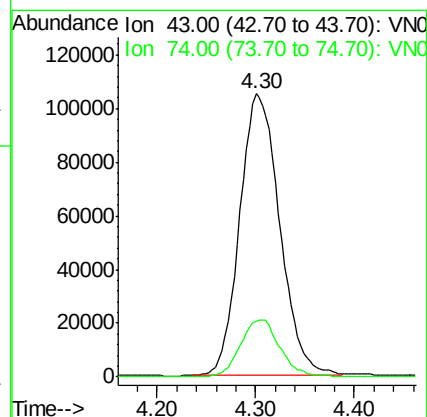
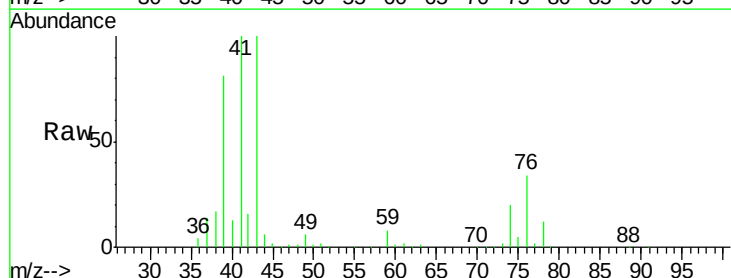
Acq: 24 Aug 2019 1:34

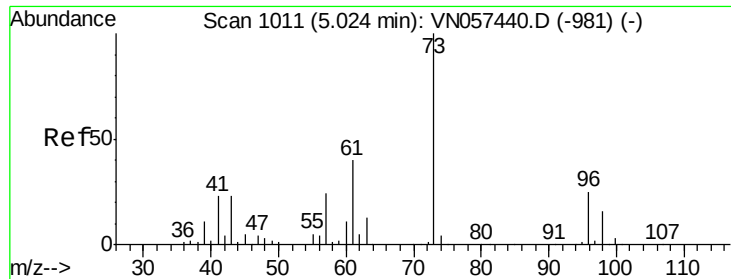
Tgt Ion: 43 Resp: 295558

Ion Ratio Lower Upper

43 100

74 20.1 15.9 23.9





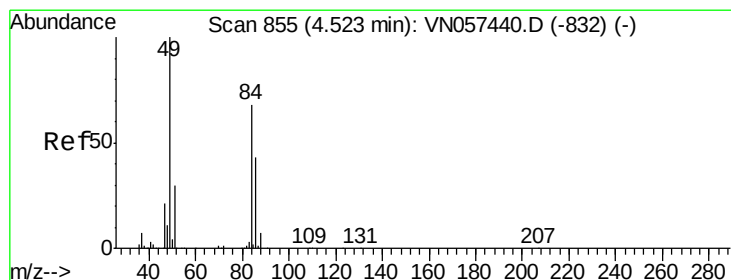
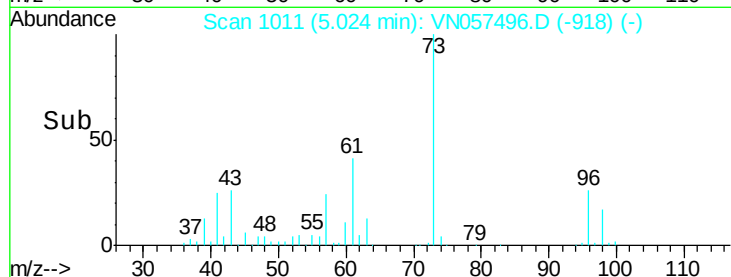
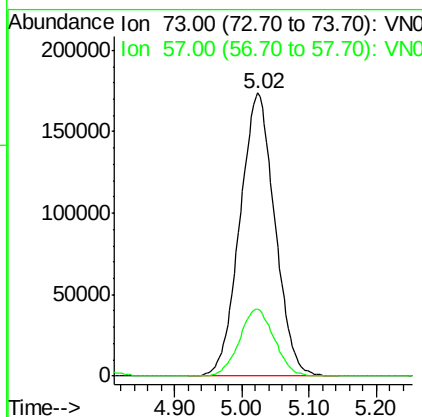
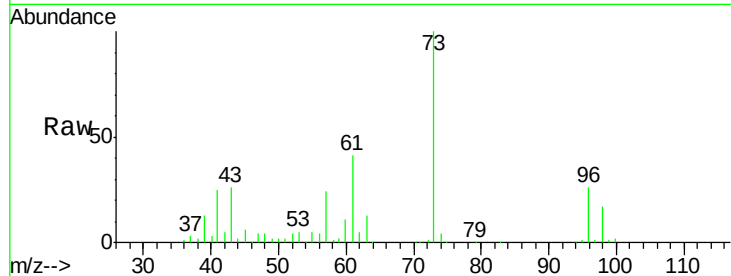
#19
Methvl tert-butyl Ether
Concen: 46.364 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 626660
Ion Ratio Lower Upper
73 100
57 23.6 19.1 28.7

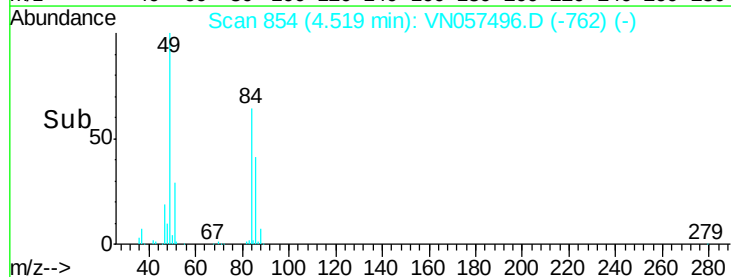
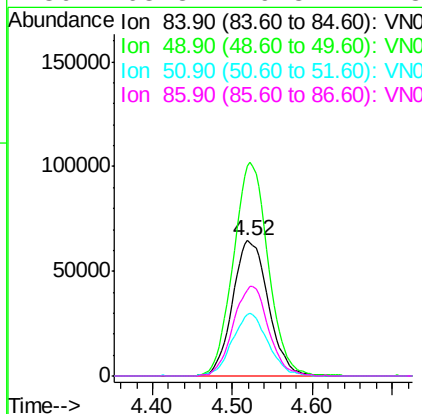
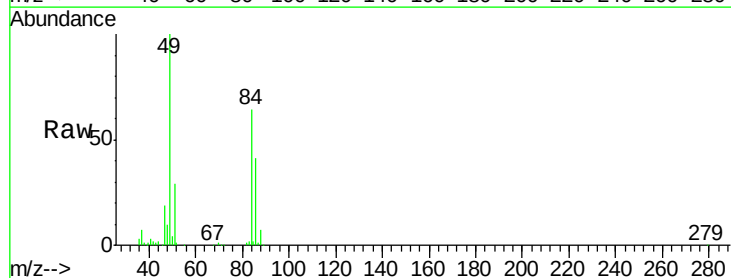
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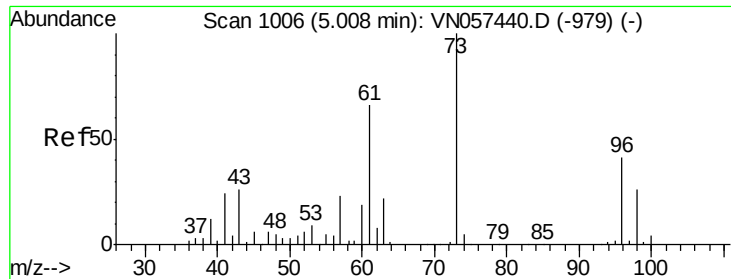
MMDadoda
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#20
Methylene Chloride
Concen: 49.755 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Tgt Ion: 84 Resp: 196036
Ion Ratio Lower Upper
84 100
49 155.2 117.0 175.4
51 45.5 35.5 53.3
86 63.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 46.169 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 182420

Ion Ratio Lower Upper

96 100

61 158.2 127.9 191.9

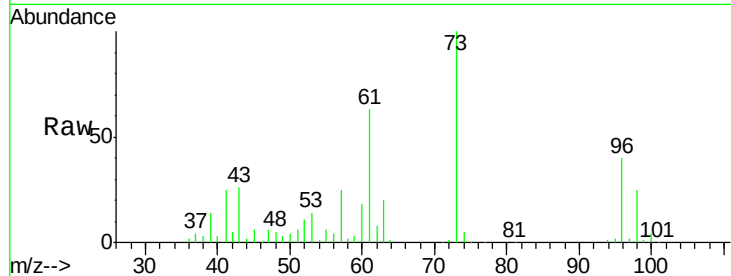
98 62.2 50.6 76.0

Manual Integrations

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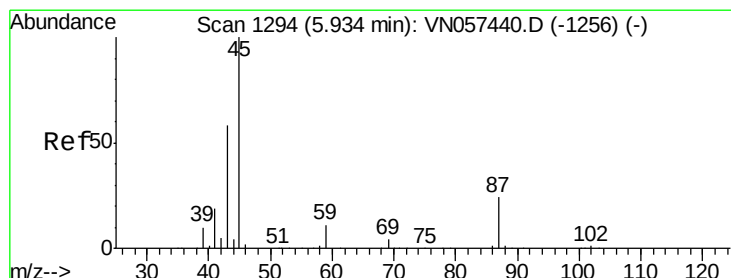
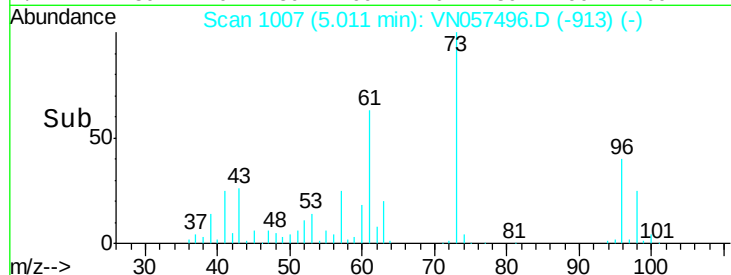
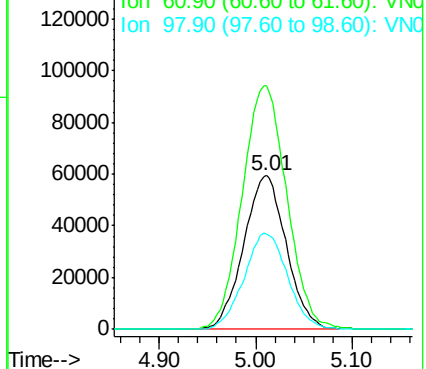


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 49.388 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Tgt Ion: 45 Resp: 784592

Ion Ratio Lower Upper

45 100

43 61.2 46.9 70.3

87 23.3 19.3 28.9

59 9.5 8.7 13.1

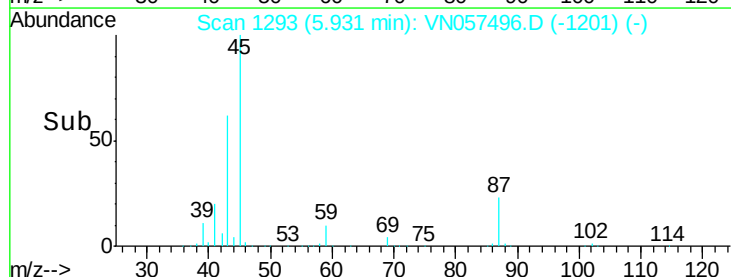
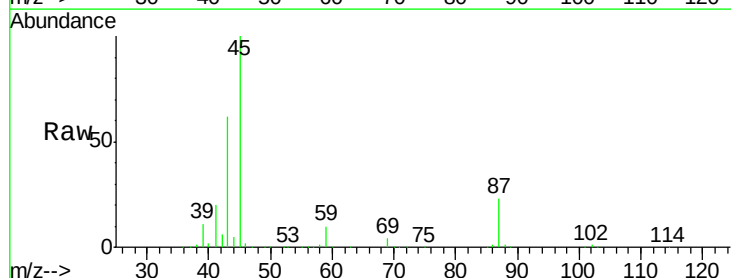
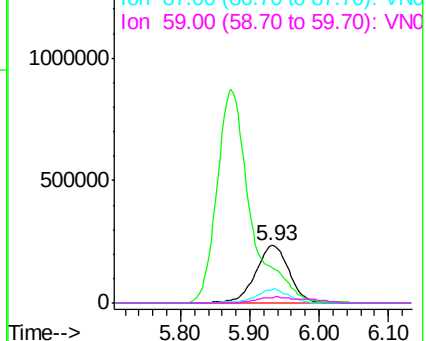
Abundance

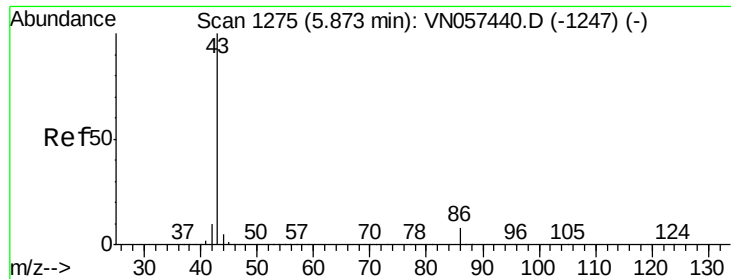
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 236.724 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2937288

Ion Ratio Lower Upper

43 100

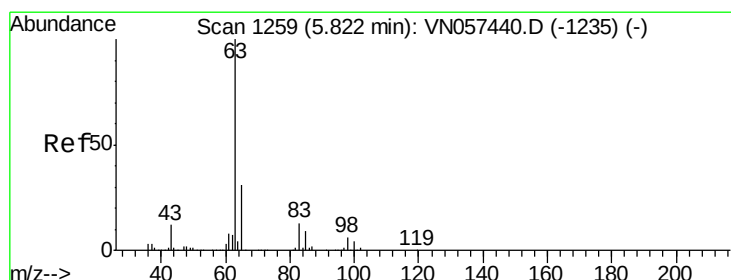
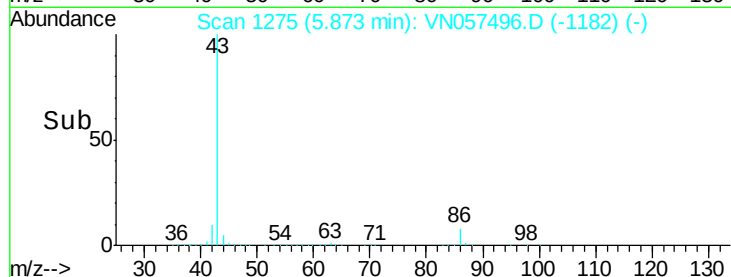
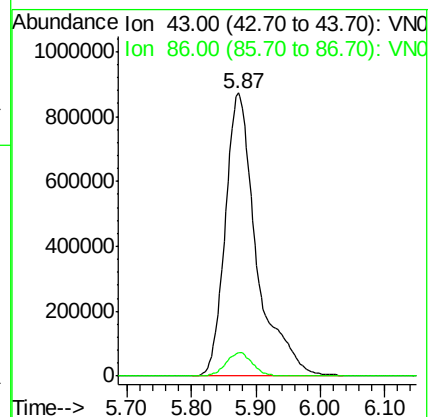
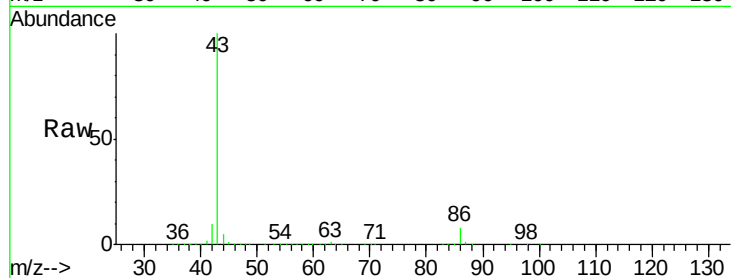
86 8.2 6.7 10.1

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#24

1,1-Dichloroethane

Concen: 49.220 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

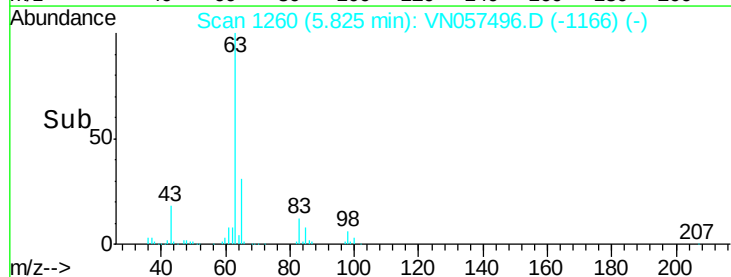
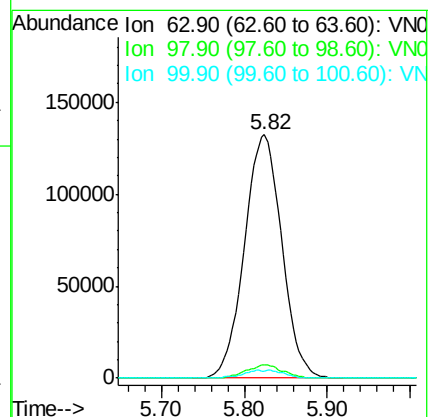
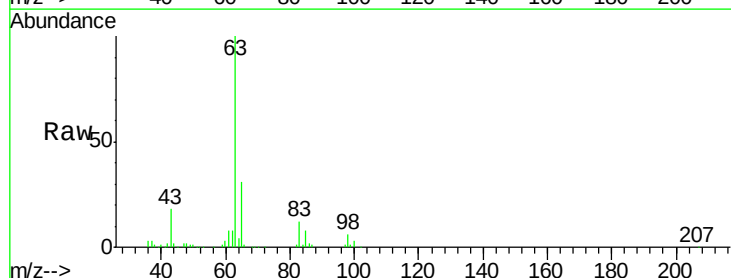
Tgt Ion: 63 Resp: 414390

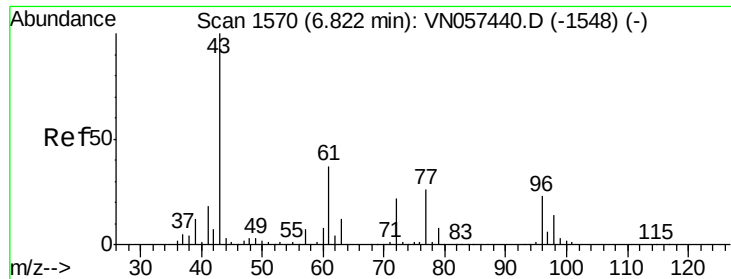
Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.6

100 2.8 2.1 6.3





#25

2-Butanone

Concen: 231.230 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 667247

Ion Ratio Lower Upper

43 100

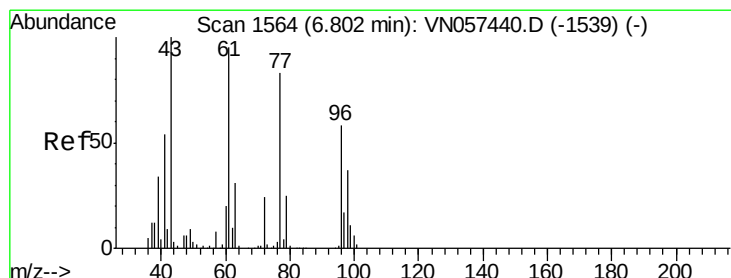
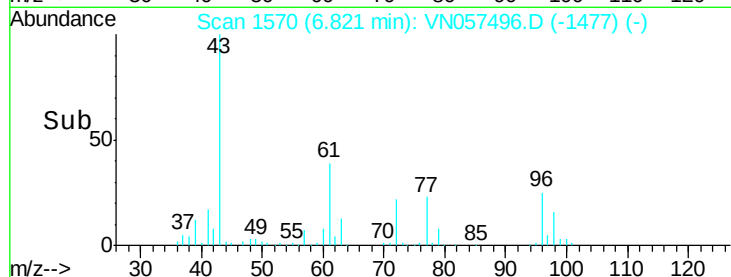
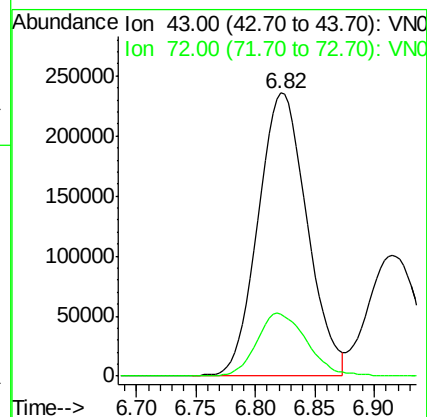
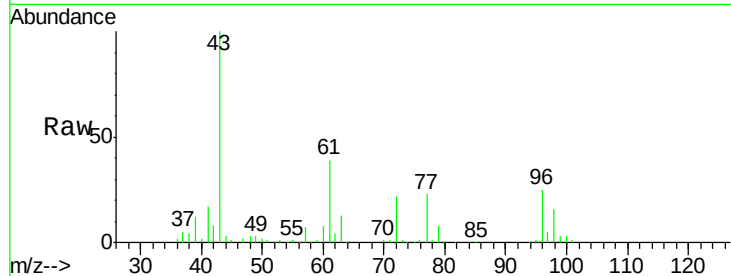
72 22.0 17.8 26.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 36.361 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057496.D

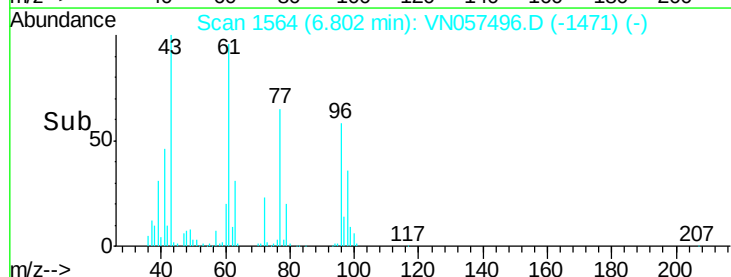
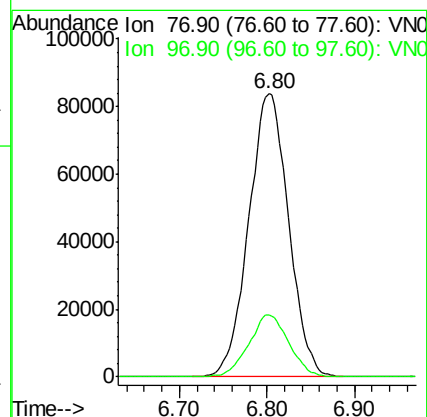
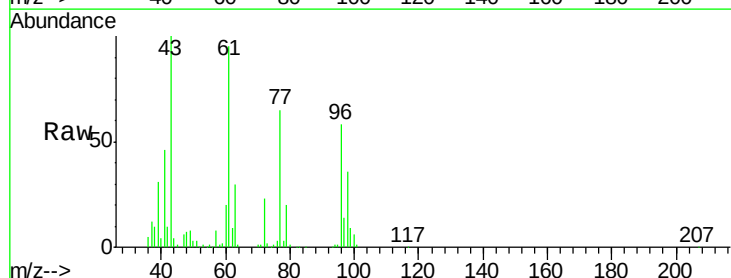
Acq: 24 Aug 2019 1:34

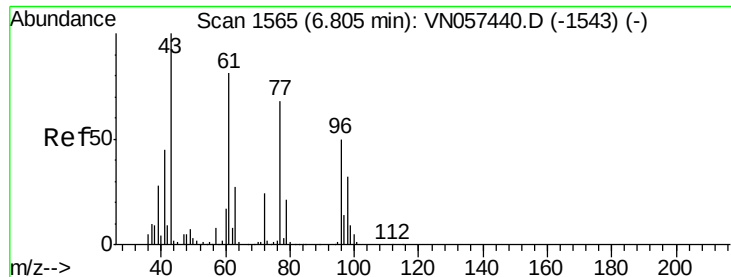
Tgt Ion: 77 Resp: 265103

Ion Ratio Lower Upper

77 100

97 22.0 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 48.062 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

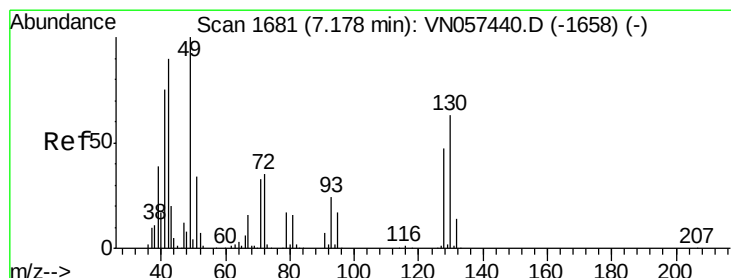
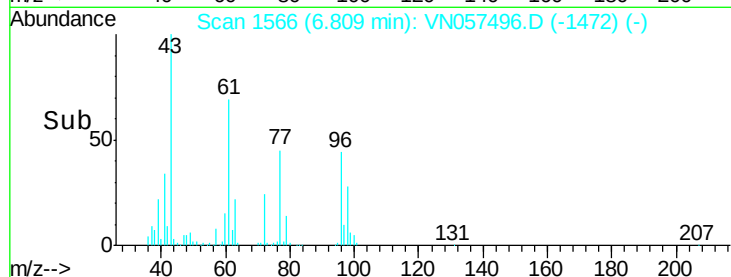
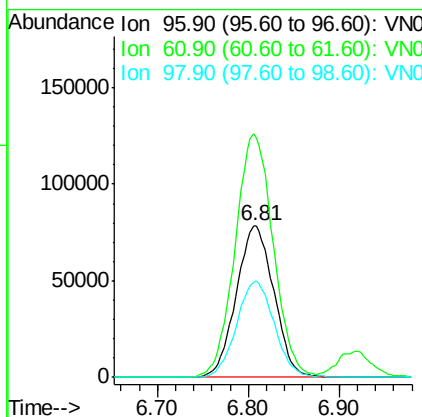
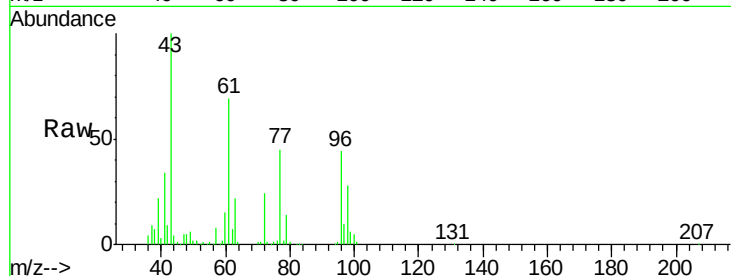
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	225108
Ion Ratio	Lower	Upper	
96	100		
61	162.7	0.0	334.8
98	63.4	0.0	127.4

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#28

Bromochloromethane

Concen: 54.267 ug/l

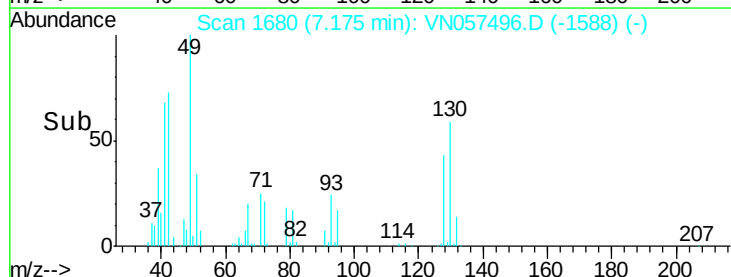
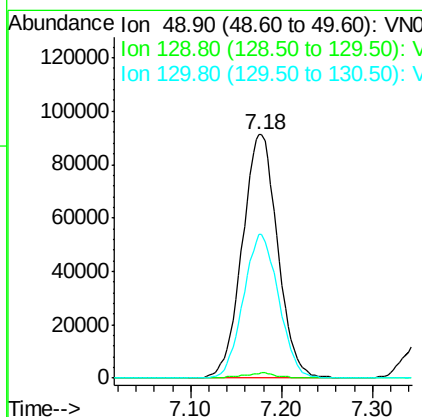
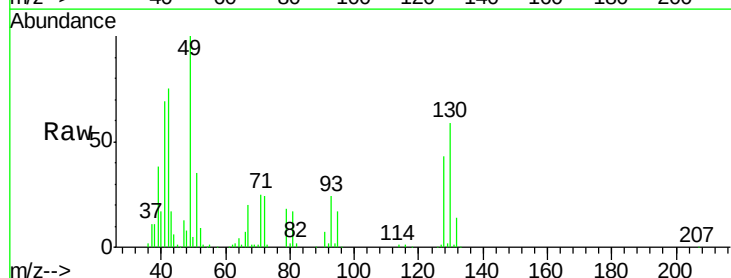
RT: 7.18 min Scan# 1680

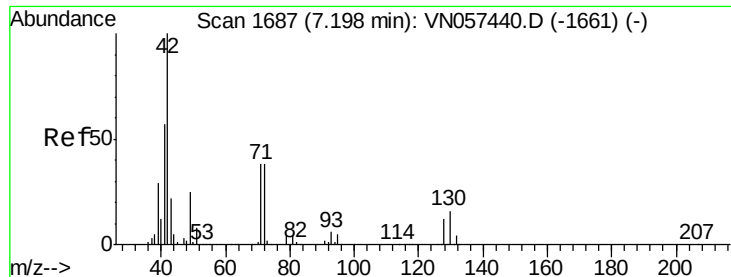
Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Tgt Ion:	49	Resp:	246039
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	3.6
130	58.8	48.6	72.8





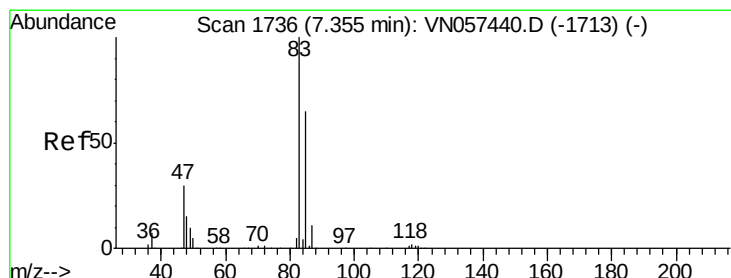
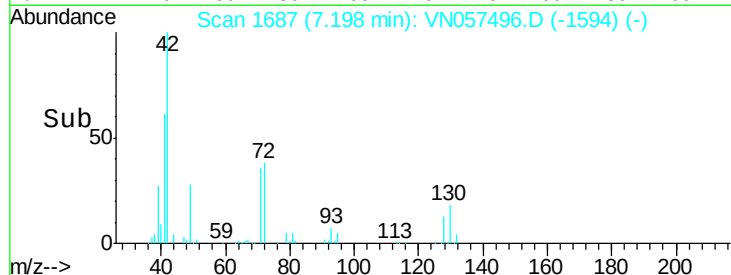
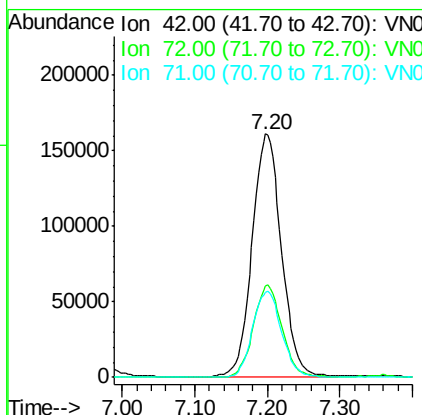
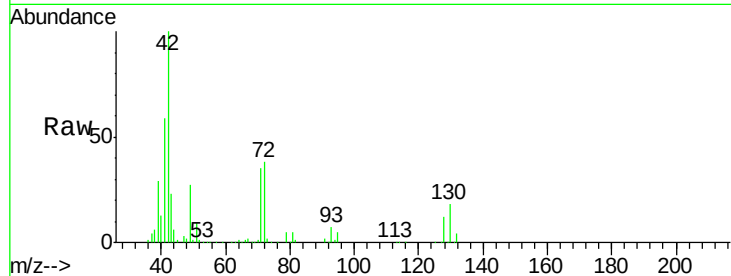
#29
Tetrahydrofuran
Concen: 237.883 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.2	30.1	45.1
71	35.1	28.8	43.2

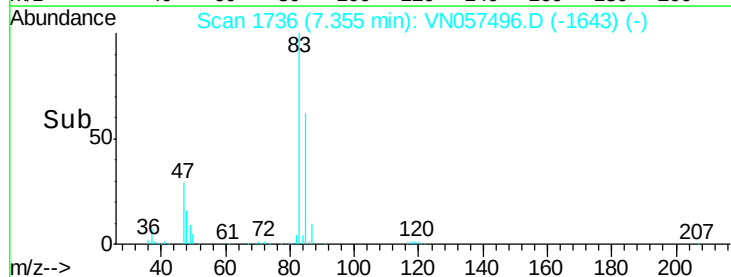
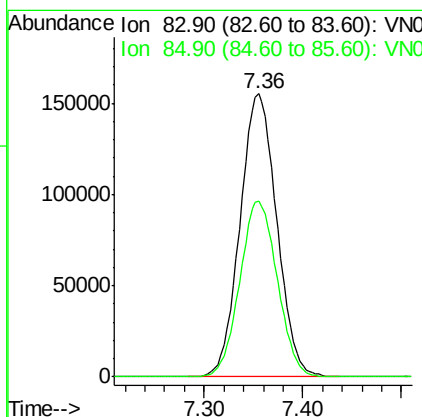
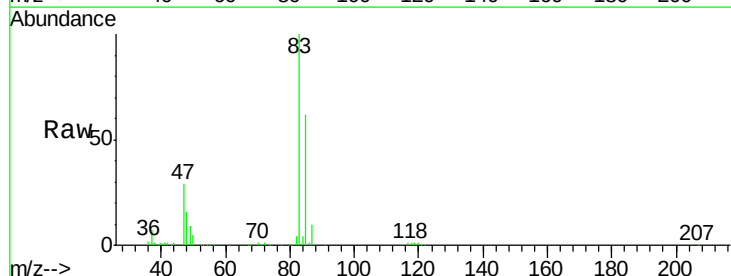
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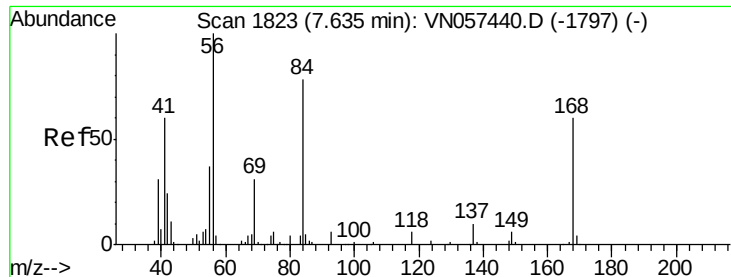
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#30
Chloroform
Concen: 51.195 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.9	77.9





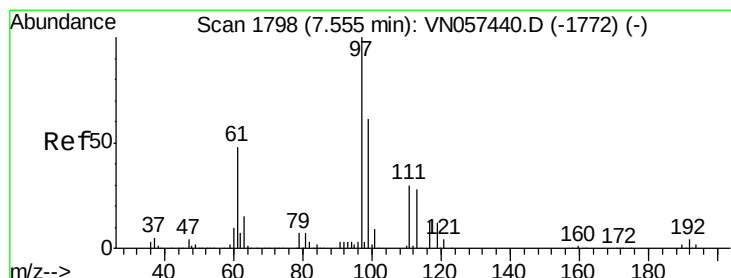
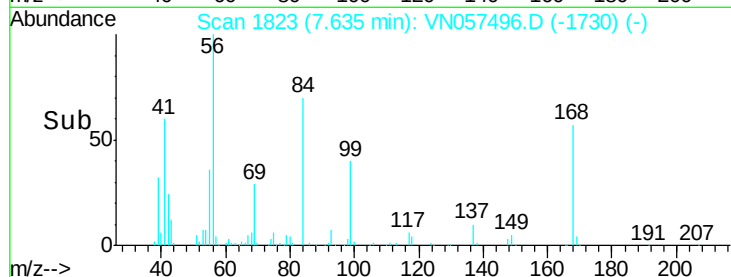
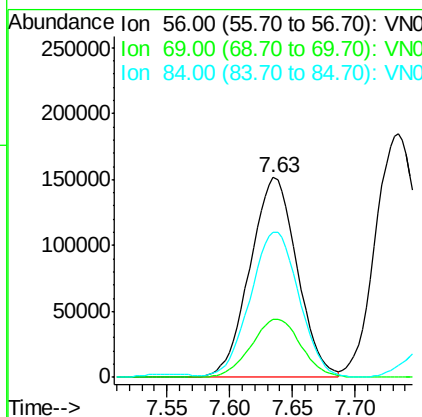
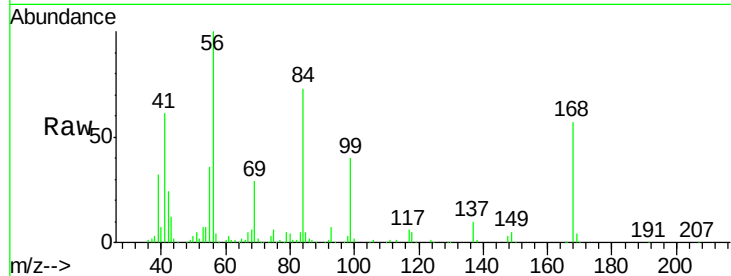
#31
Cyclohexane
Concen: 48.616 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	395177
Ion Ratio	Lower	Upper	
56	100		
69	28.9	25.0	37.6
84	71.7	62.5	93.7

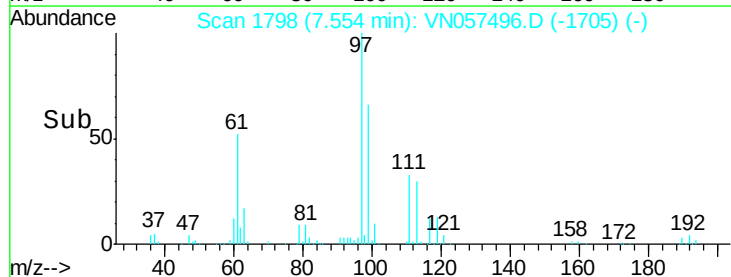
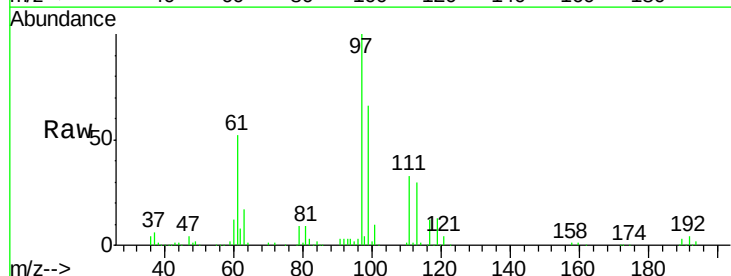
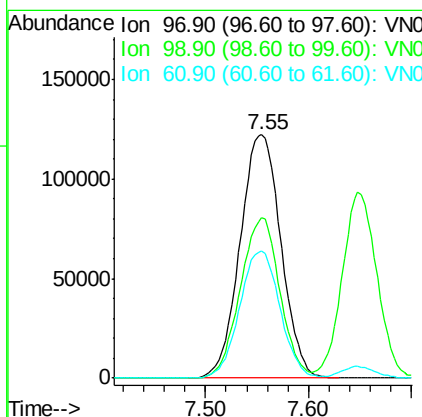
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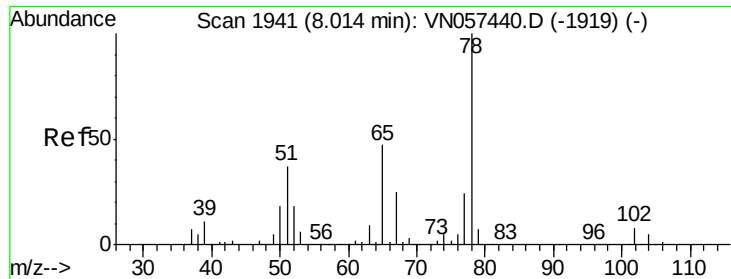
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#32
1,1,1-Trichloroethane
Concen: 46.656 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Tgt Ion	97	Resp	336947
Ion Ratio	Lower	Upper	
97	100		
99	63.6	51.0	76.6
61	51.7	39.8	59.6





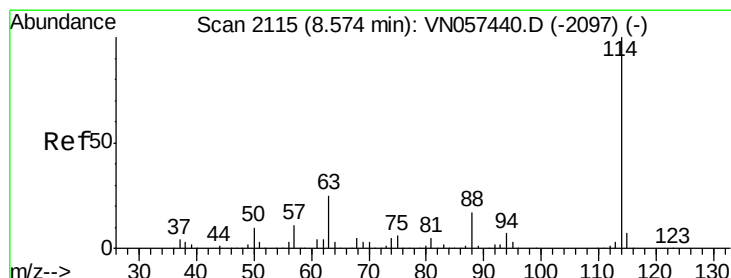
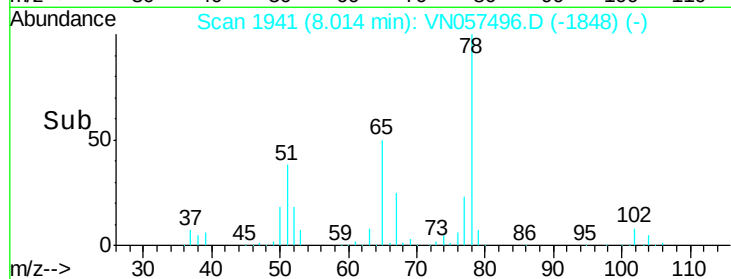
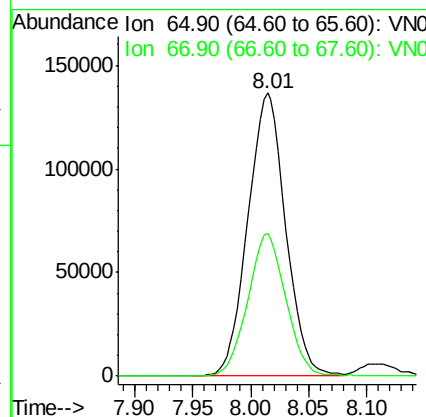
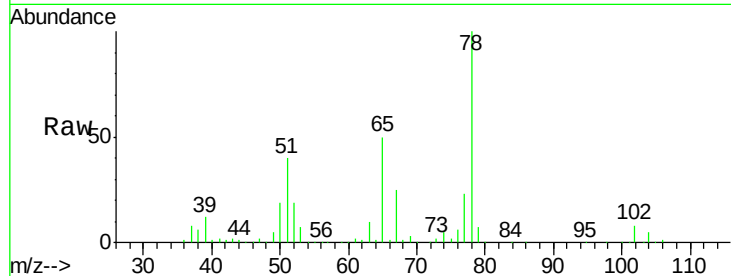
#33
 1,2-Dichloroethane-d4
 Concen: 53.578 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057496.D
 Acq: 24 Aug 2019 1:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.5	0.0	103.8	

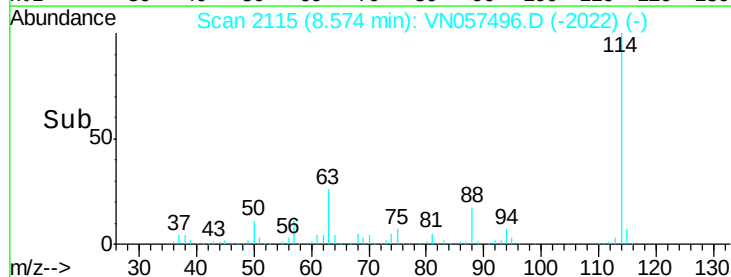
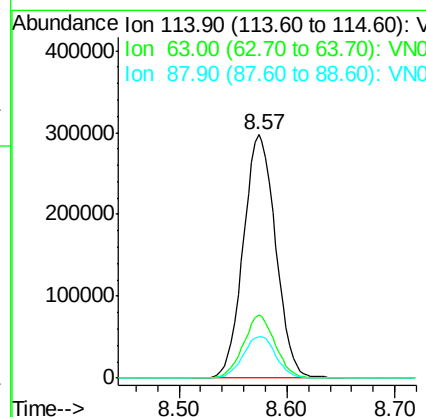
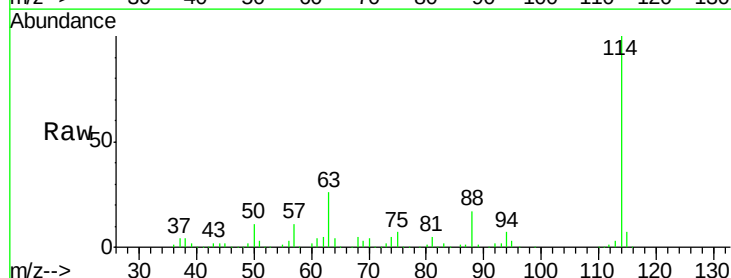
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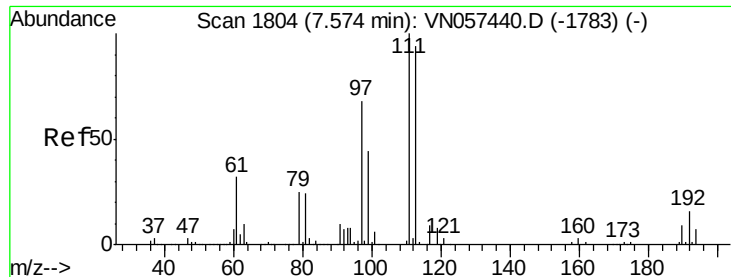
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057496.D
 Acq: 24 Aug 2019 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	26.1	0.0	50.2	
88	17.3	0.0	34.6	





#35

Dibromofluoromethane

Concen: 48.762 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

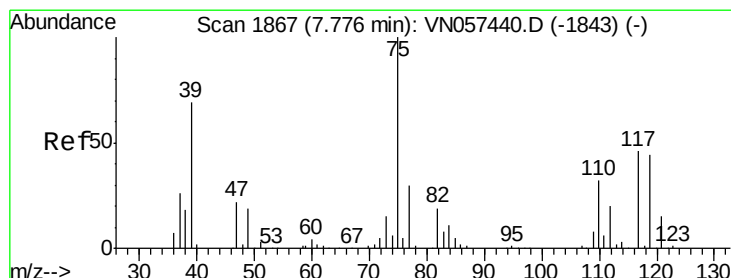
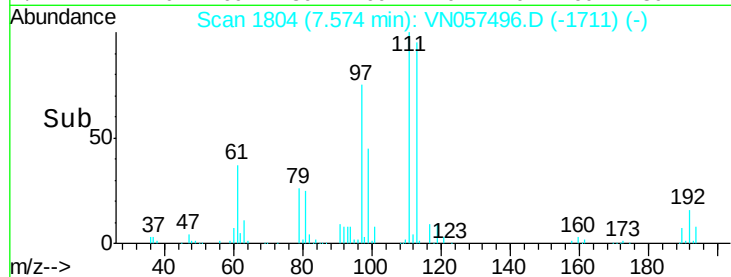
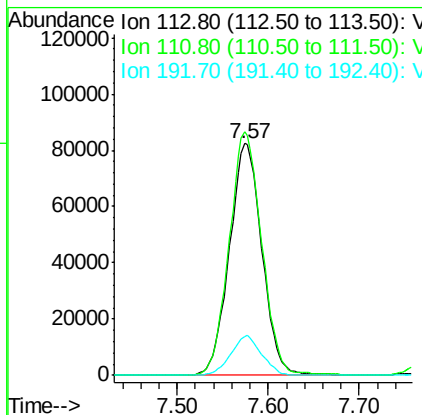
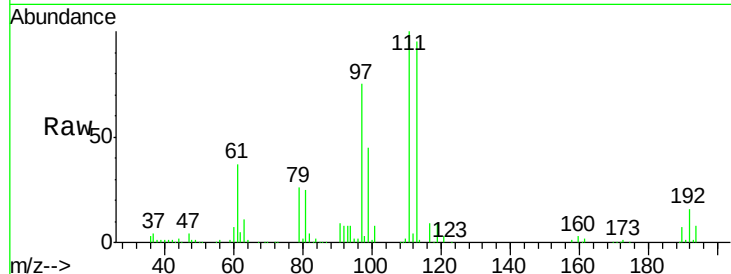
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	204285
Ion Ratio	Lower	Upper	
113	100		
111	104.4	83.8	125.6
192	16.2	13.5	20.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.027 ug/l

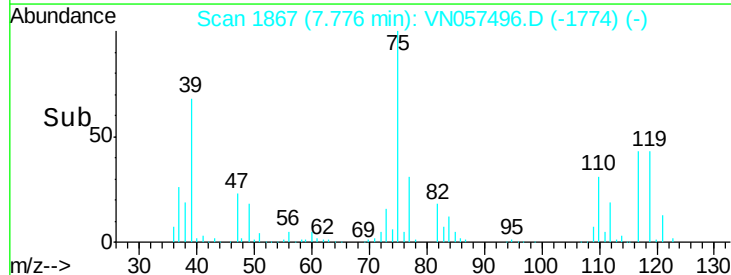
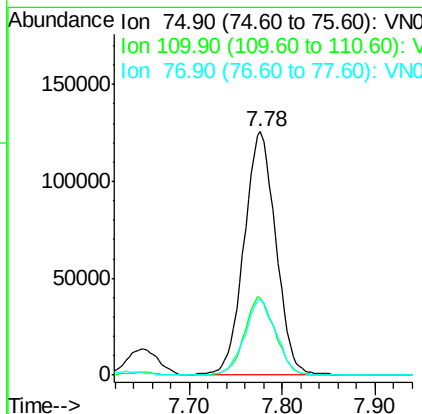
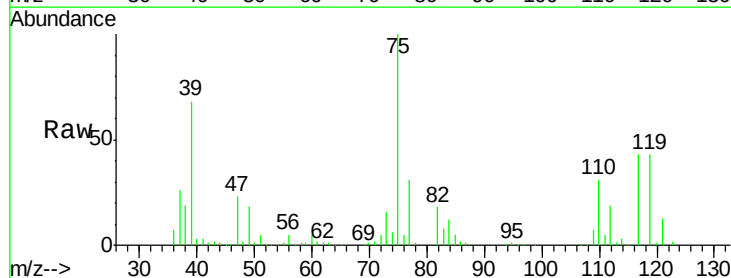
RT: 7.78 min Scan# 1867

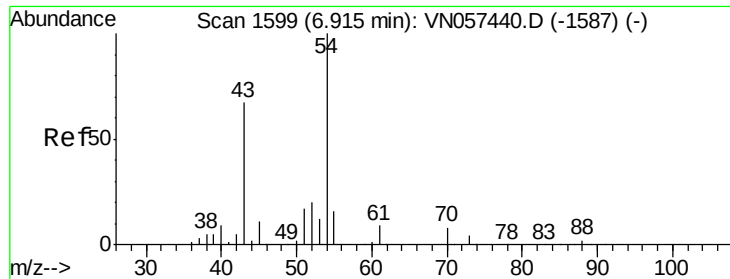
Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Tgt Ion:	75	Resp:	298035
Ion Ratio	Lower	Upper	
75	100		
110	31.1	16.1	48.3
77	30.8	24.8	37.2





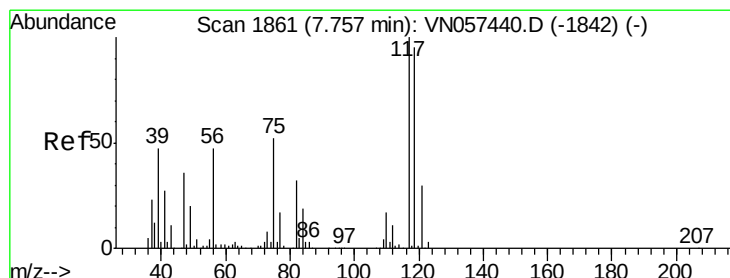
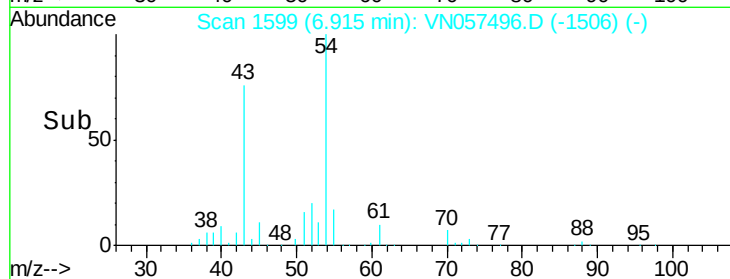
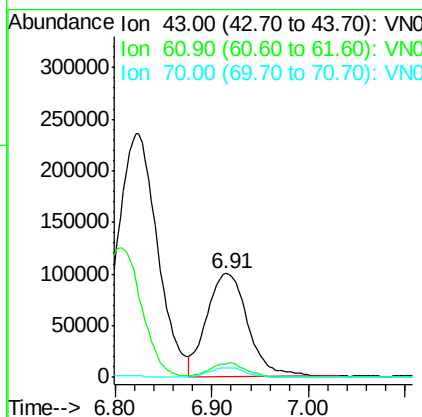
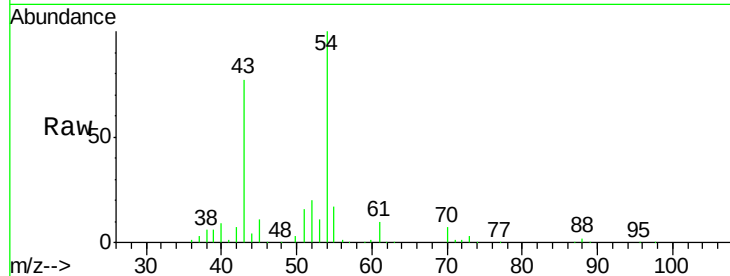
#37
Ethyl Acetate
Concen: 46.861 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.9	14.9
70	8.2	7.0	10.6

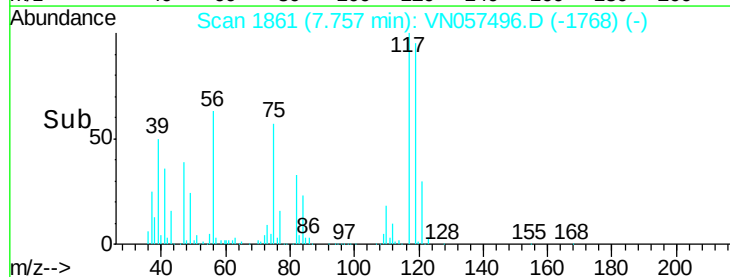
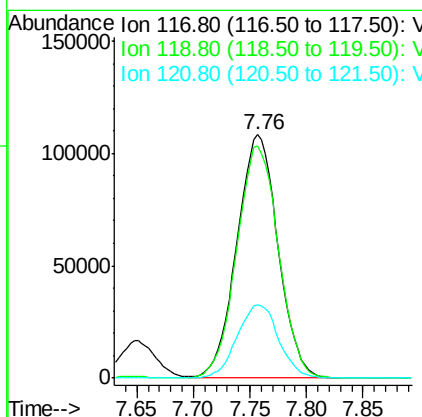
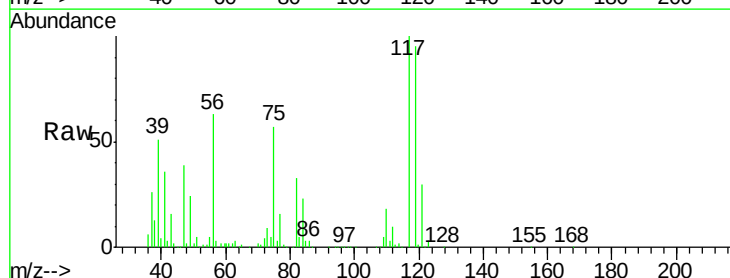
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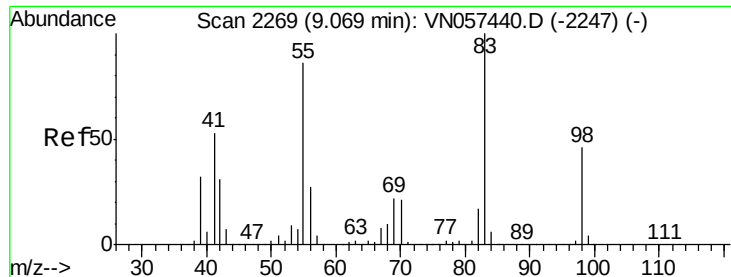
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#38
Carbon Tetrachloride
Concen: 43.544 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.2	114.4
121	30.1	23.8	35.6





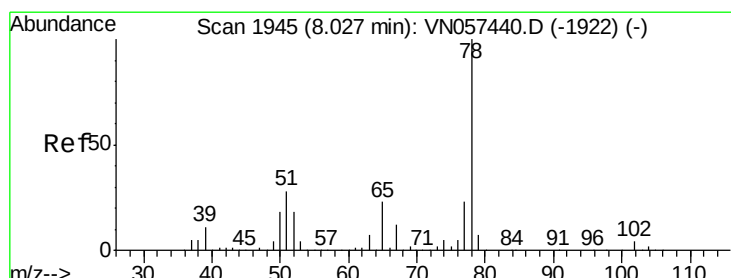
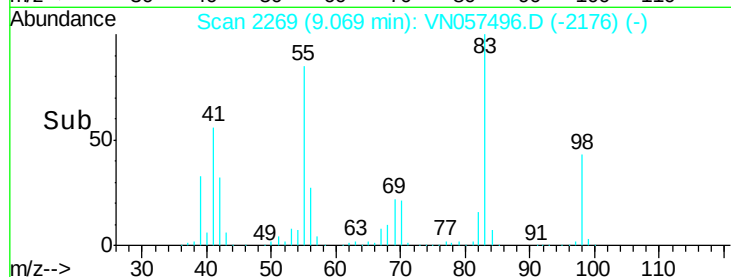
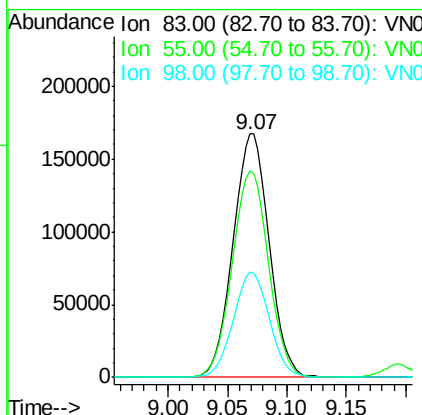
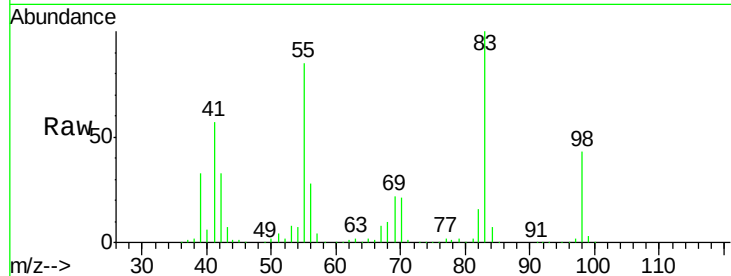
#39
Methylvlcyclohexane
Concen: 46.701 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	351506
Ion Ratio	Lower	Upper	
83	100		
55	84.5	68.6	102.8
98	43.1	36.6	54.8

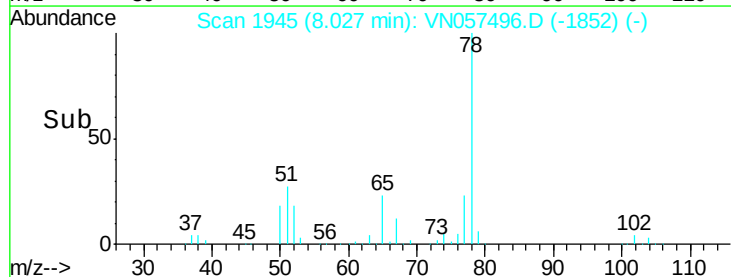
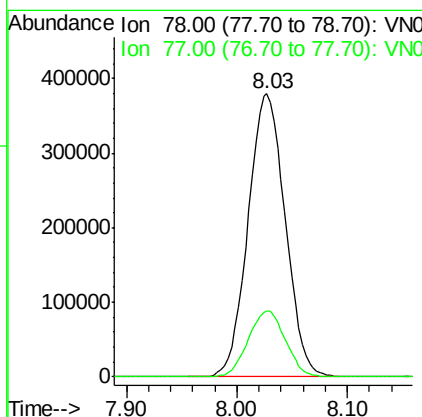
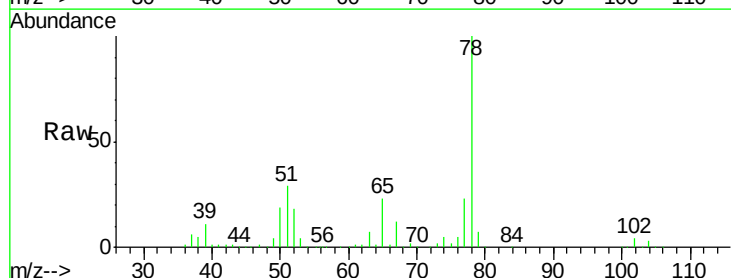
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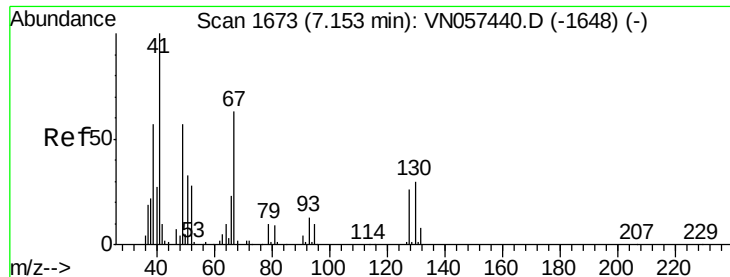
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#40
Benzene
Concen: 46.445 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Tgt Ion	78	Resp	883463
Ion Ratio	Lower	Upper	
78	100		
77	23.4	18.5	27.7





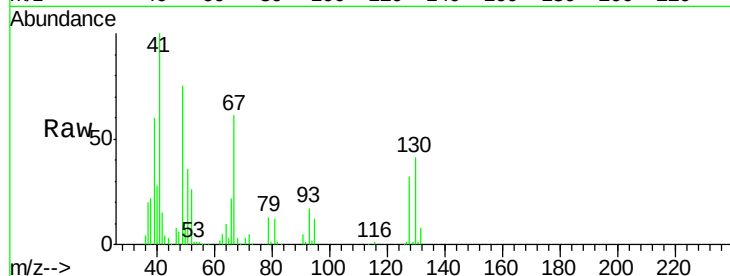
#41
Methacrylonitrile
Concen: 48.153 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

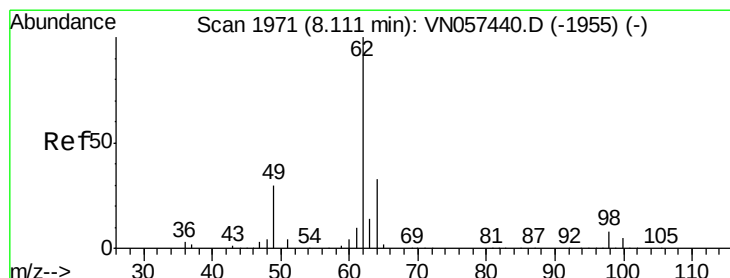
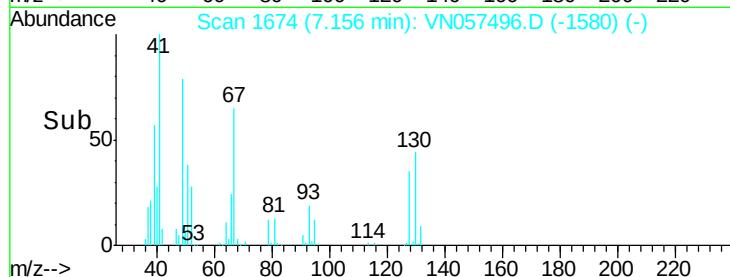
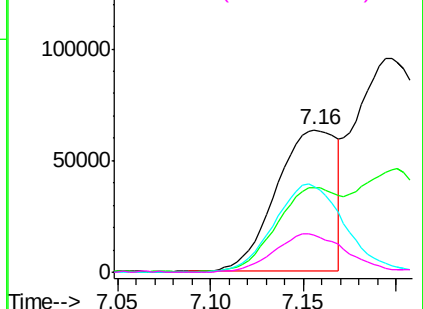
Tot Ion	41	Resp	143793
Ion Ratio	Lower	Upper	
41	100		
39	62.5	53.6	80.4
67	73.4	65.4	98.2
52	31.6	29.8	44.6

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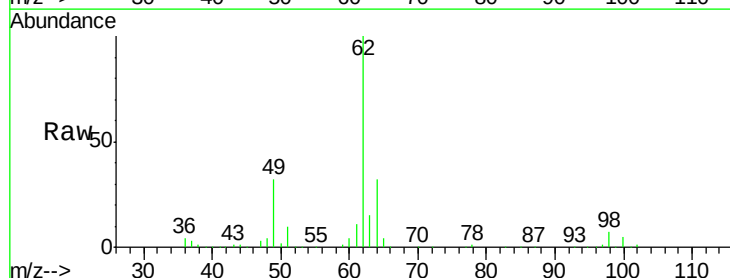


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

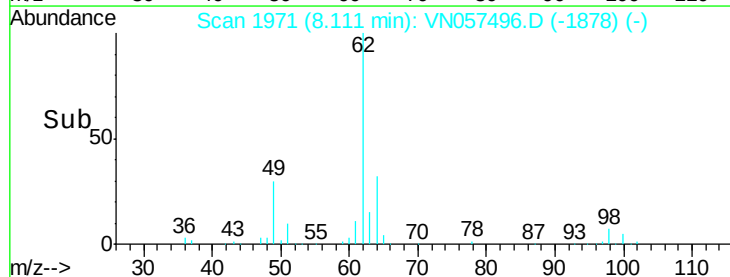
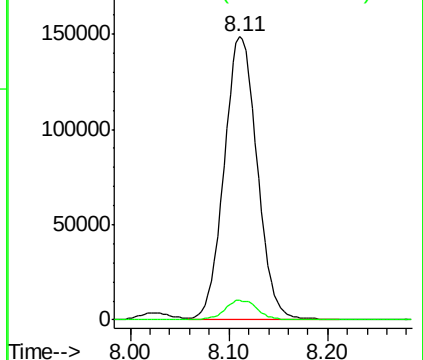


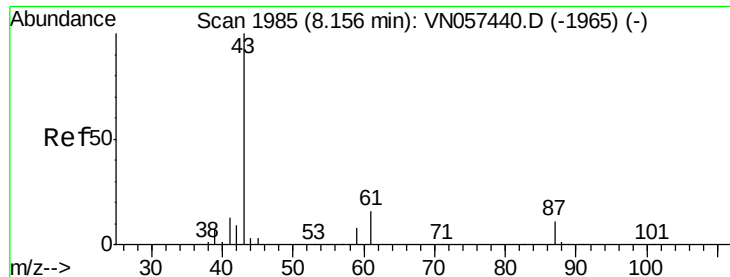
#42
1,2-Dichloroethane
Concen: 47.448 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Tgt Ion	62	Resp	347504
Ion Ratio	Lower	Upper	
62	100		
98	6.9	0.0	15.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 45.656 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

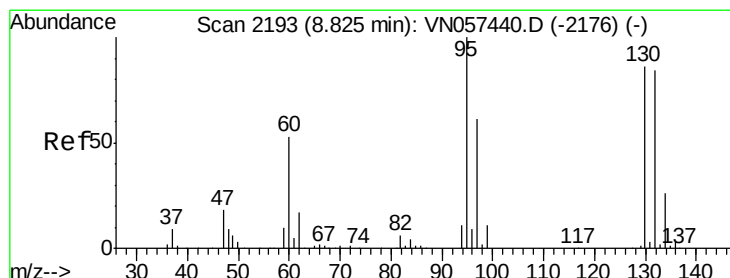
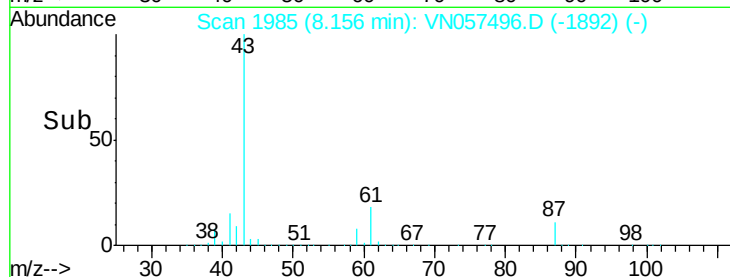
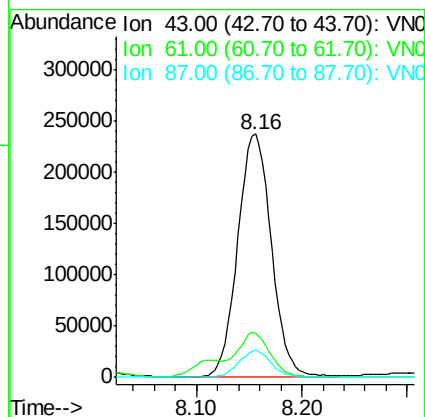
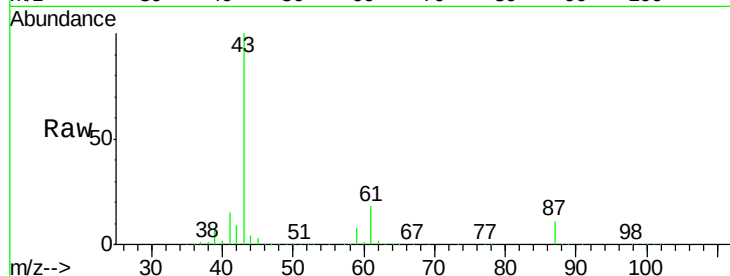
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	524262
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.5	21.7
87	10.8	8.6	12.8

Manual Integrations
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#44

Trichloroethene

Concen: 46.202 ug/l

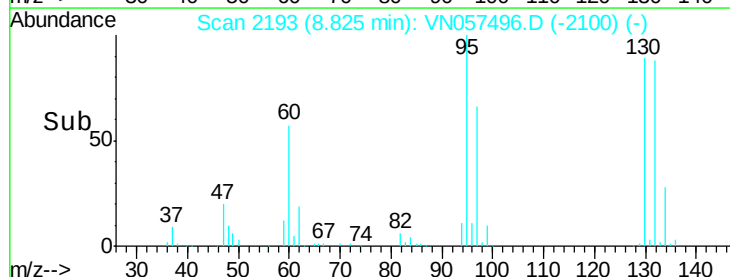
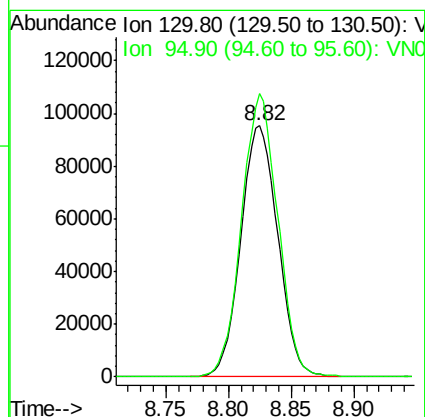
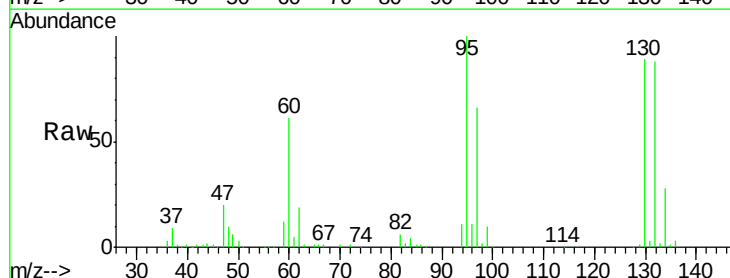
RT: 8.82 min Scan# 2193

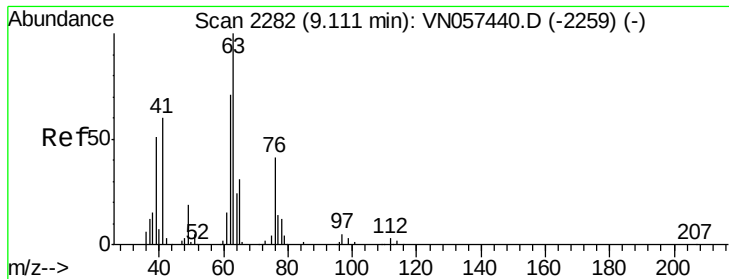
Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Tgt Ion:	130	Resp:	196178
Ion	Ratio	Lower	Upper
130	100		
95	112.9	0.0	231.6





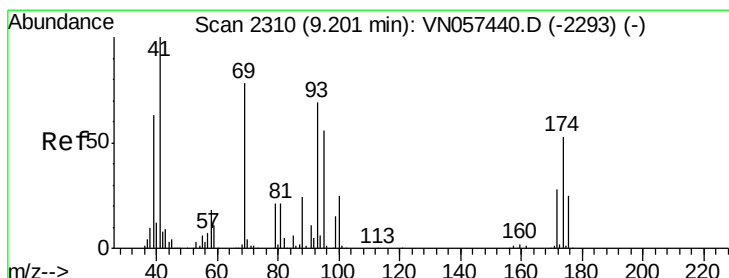
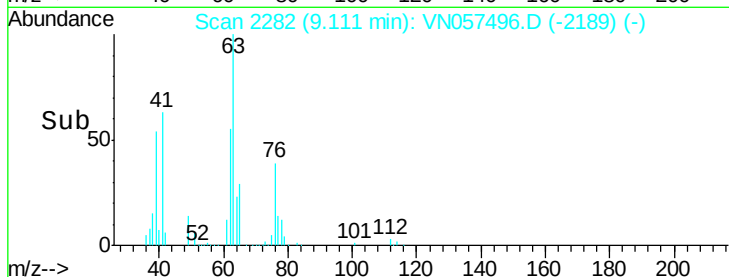
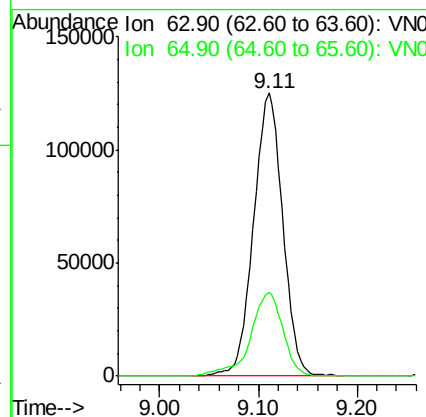
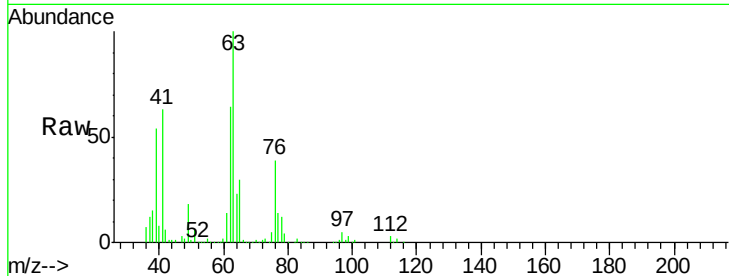
#45
 1,2-Dichloropropane
 Concen: 47.621 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057496.D
 Acq: 24 Aug 2019 1:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.6	24.7	37.1

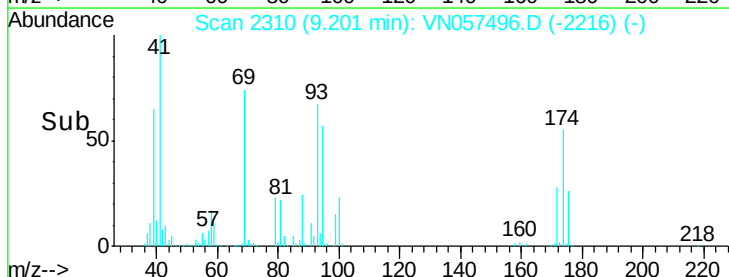
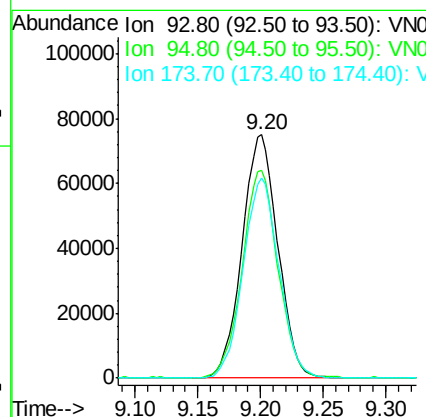
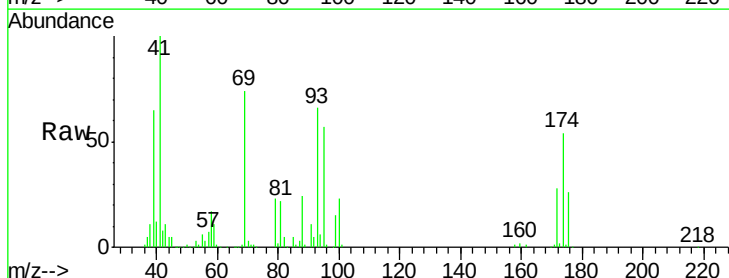
Manual Integrations
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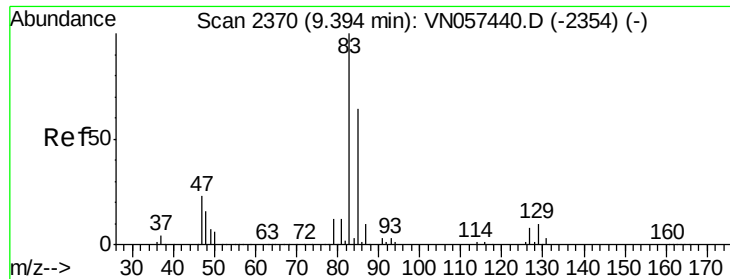
MMDadoda
 8/26/2019 1:13:16 PM



#46
 Dibromomethane
 Concen: 47.384 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057496.D
 Acq: 24 Aug 2019 1:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.8	64.7	97.1
174	82.2	62.3	93.5





#47

Bromodichloromethane

Concen: 45.565 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

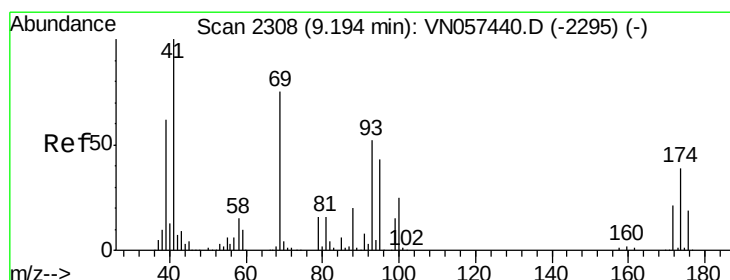
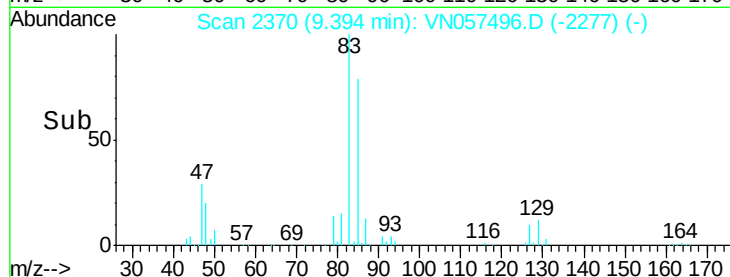
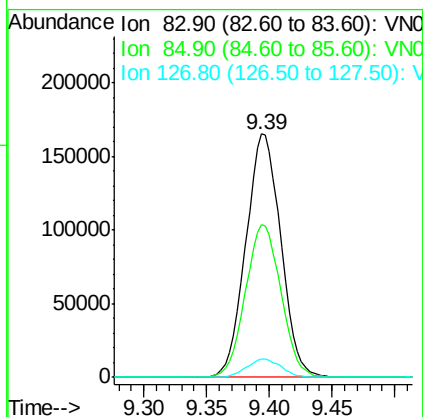
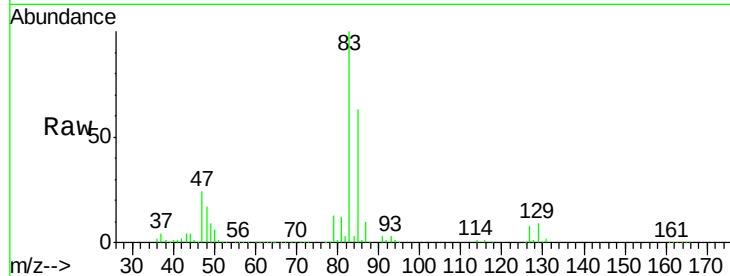
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	322027
Ion Ratio	Lower	Upper	
83	100		
85	62.7	51.2	76.8
127	7.6	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.466 ug/l

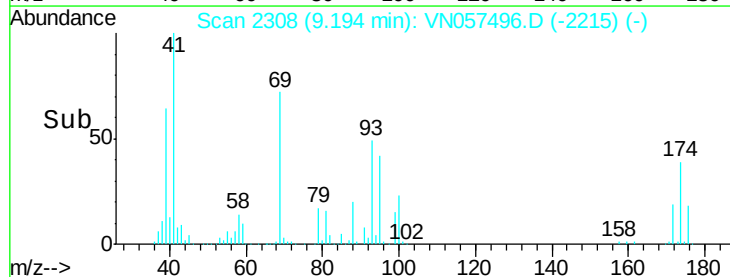
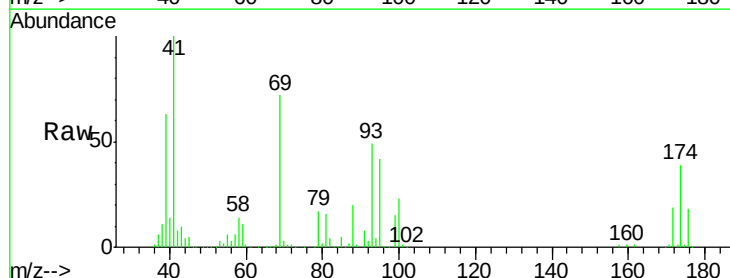
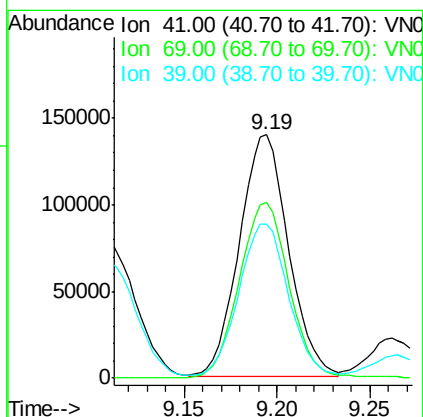
RT: 9.19 min Scan# 2308

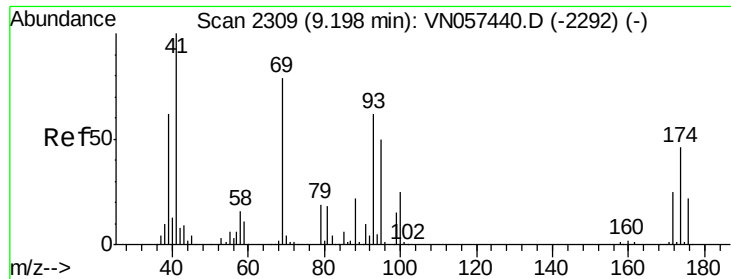
Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Tgt Ion:	41	Resp:	259176
Ion Ratio	Lower	Upper	
41	100		
69	73.3	59.3	88.9
39	64.4	50.6	75.8





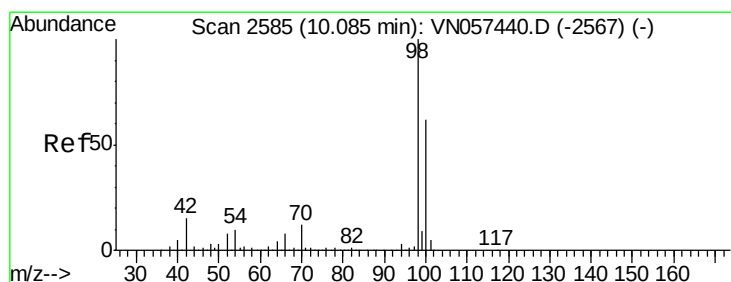
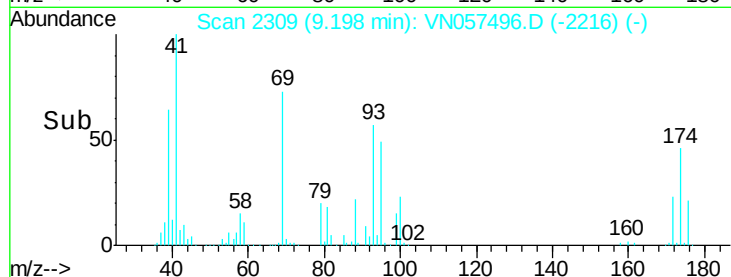
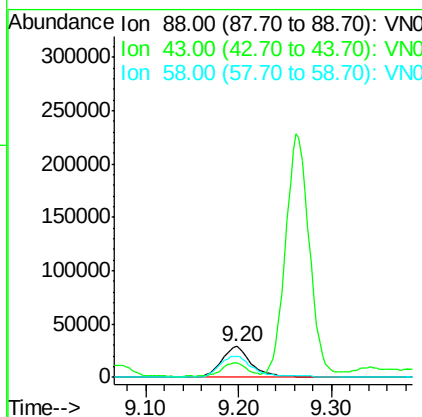
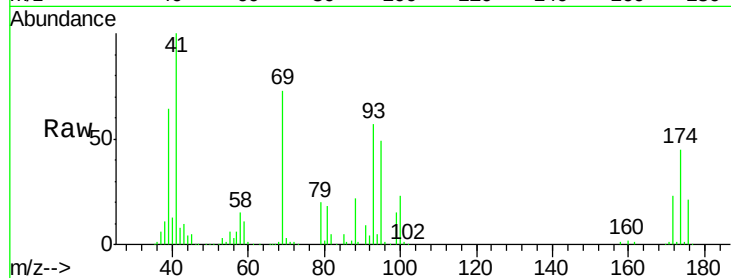
#49
1,4-Dioxane
Concen: 919.641 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	64935
Ion	Ratio	Lower	Upper
88	100		
43	37.1	31.0	46.6
58	73.8	64.5	96.7

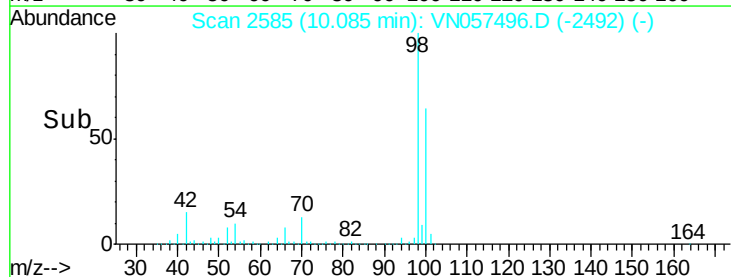
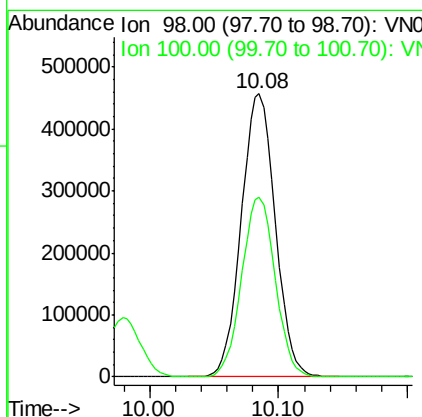
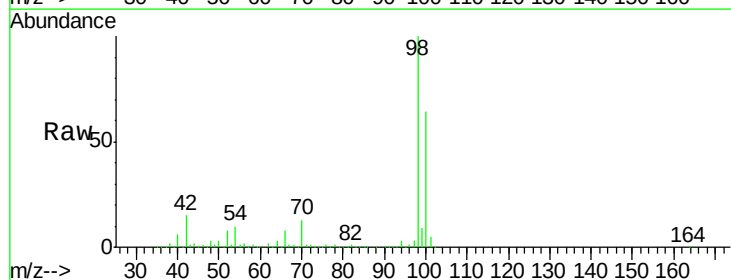
Manual Integrations
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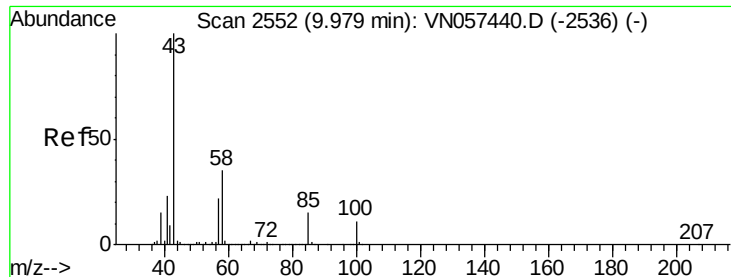
MMDadoda
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#50
Toluene-d8
Concen: 52.920 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Tgt Ion	98	Resp	838309
Ion	Ratio	Lower	Upper
98	100		
100	62.5	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 239.176 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1530608

Ion Ratio Lower Upper

43 100

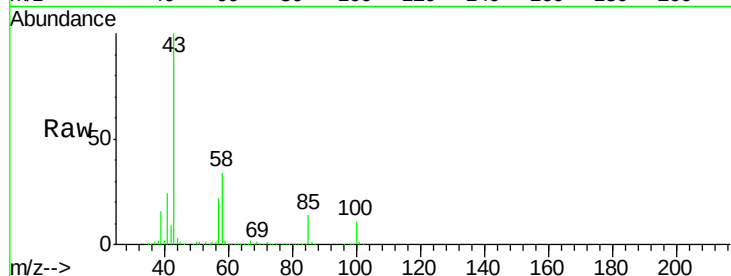
58 34.4 27.9 41.9

Manual Integrations

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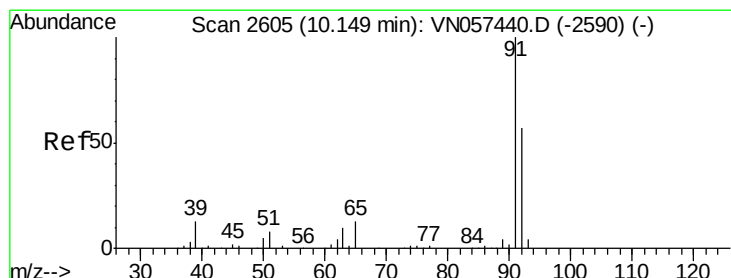
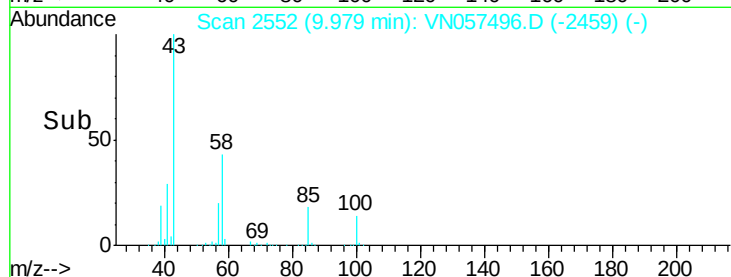
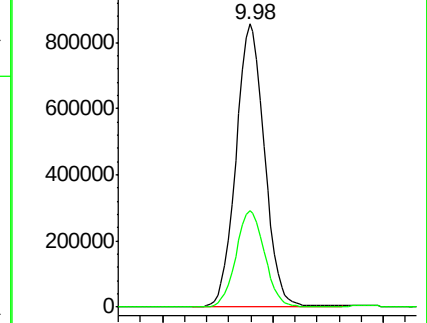
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.962 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057496.D

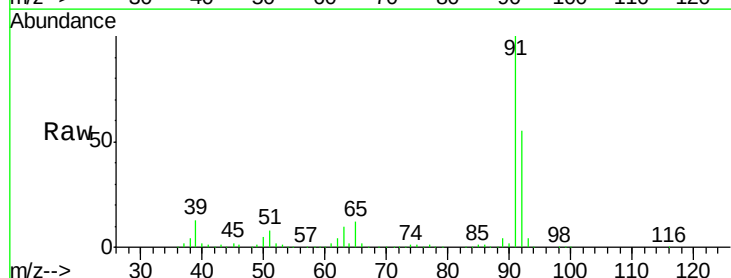
Acq: 24 Aug 2019 1:34

Tgt Ion: 92 Resp: 547742

Ion Ratio Lower Upper

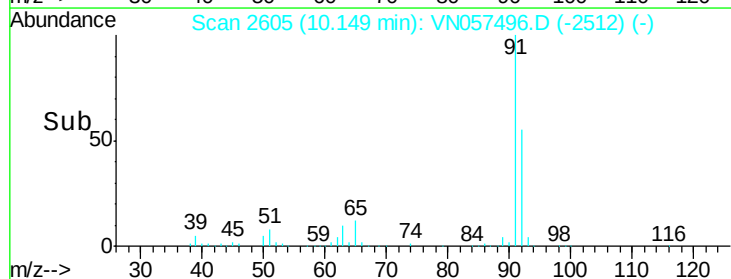
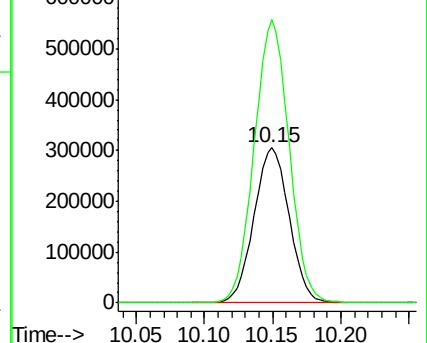
92 100

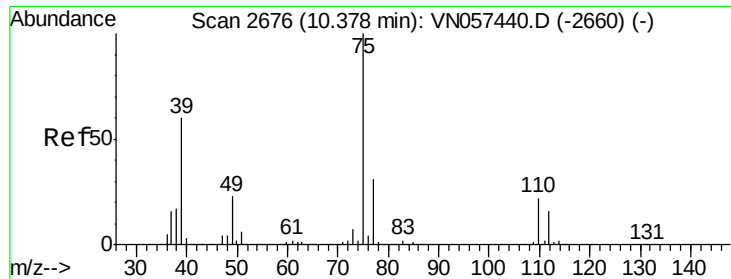
91 180.5 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





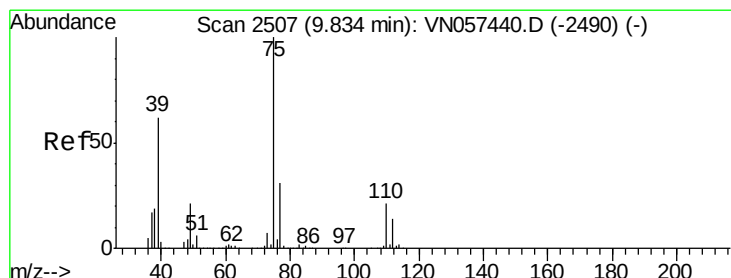
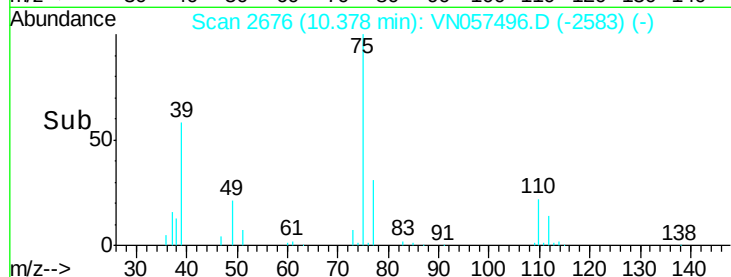
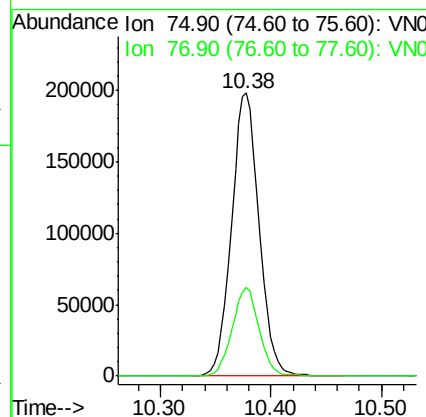
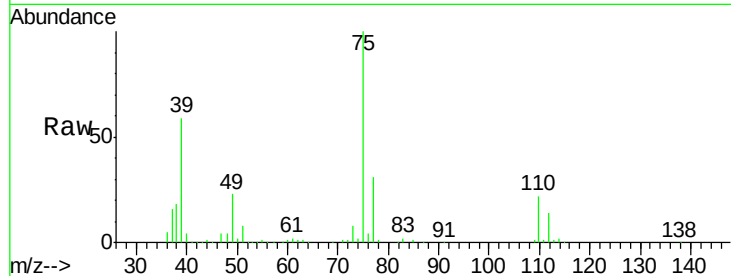
#53
t-1,3-Dichloropropene
Concen: 46.340 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 343048
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.6

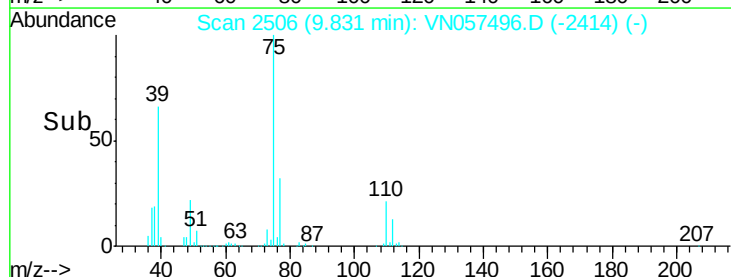
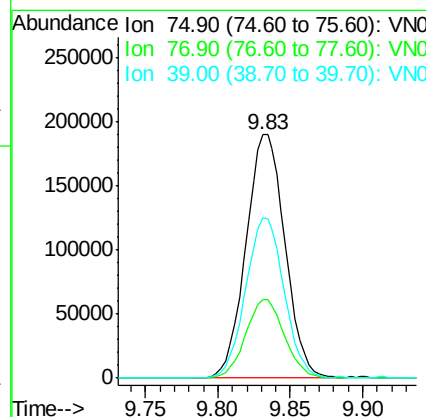
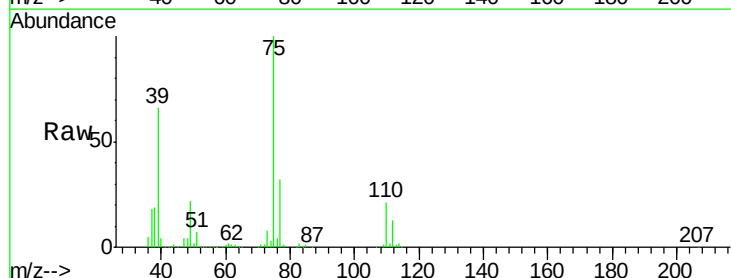
Manual Integrations
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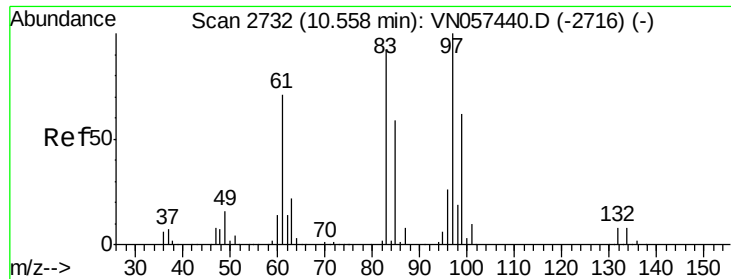
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 43.181 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Tgt Ion: 75 Resp: 355918
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.6
39 65.5 49.2 73.8





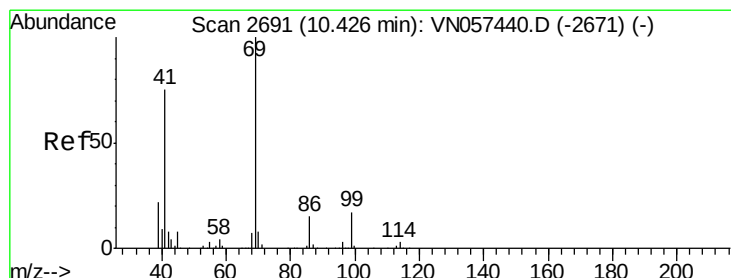
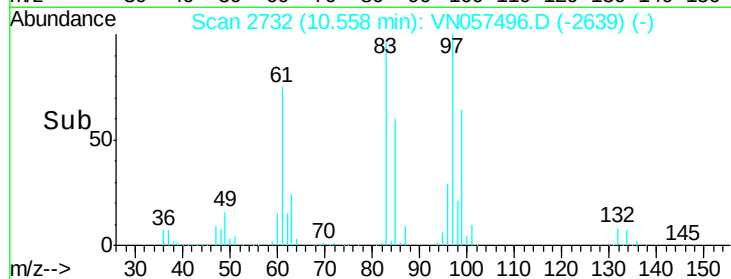
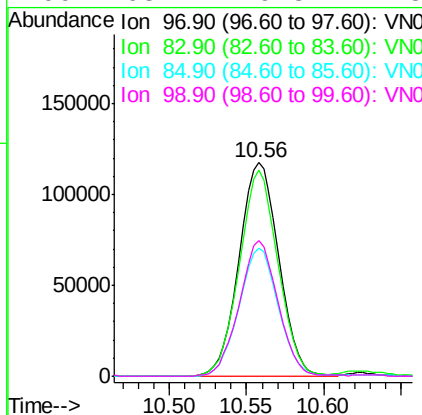
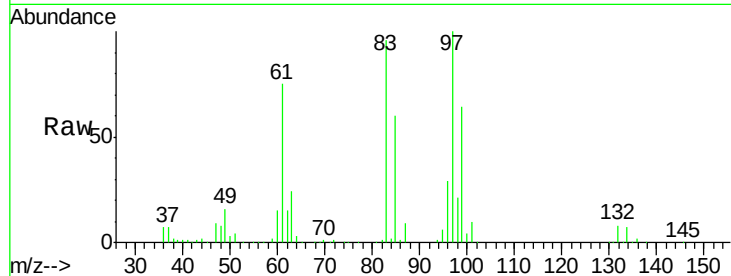
#55
 1,1,2-Trichloroethane
 Concen: 47.411 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057496.D
 Acq: 24 Aug 2019 1:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	210198
Ion	Ratio	Lower	Upper
97	100		
83	96.4	73.7	110.5
85	60.2	46.8	70.2
99	63.7	49.8	74.8

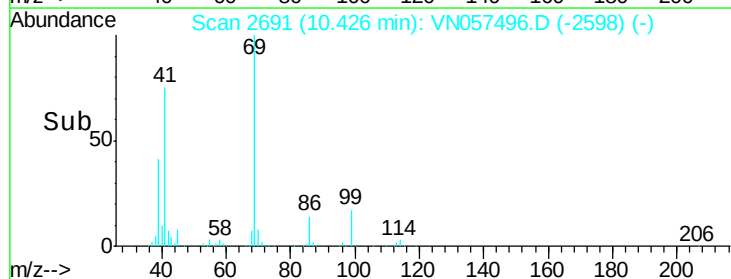
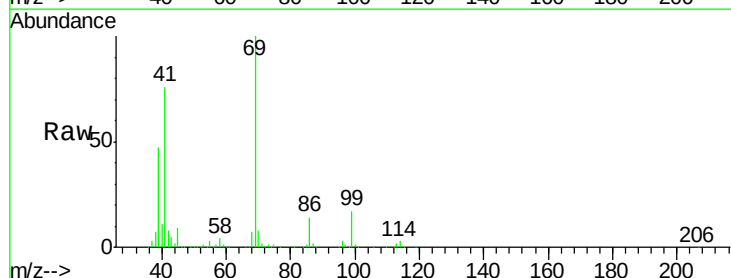
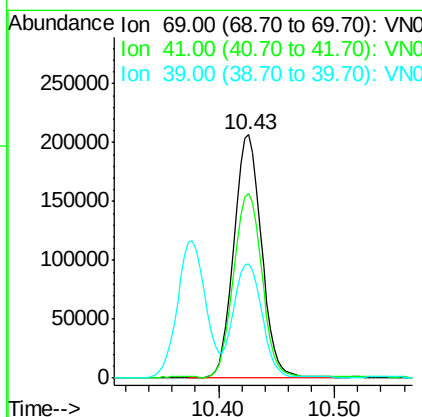
Manual Integrations
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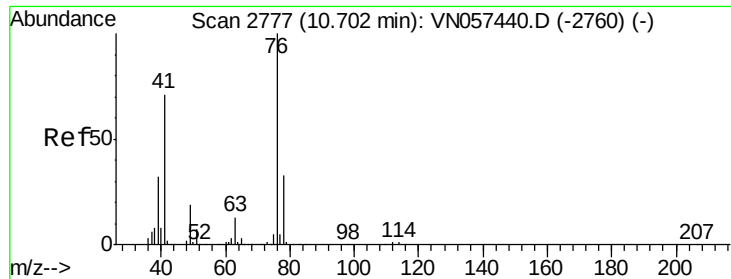
MMDadoda
 8/26/2019 1:13:16 PM



#56
 Ethyl methacrylate
 Concen: 48.969 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057496.D
 Acq: 24 Aug 2019 1:34

Tgt Ion:	69	Resp:	341522
Ion	Ratio	Lower	Upper
69	100		
41	76.7	60.8	91.2
39	48.4	36.5	54.7





#57

1,3-Dichloropropane

Concen: 50.337 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 388412

Ion Ratio Lower Upper

76 100

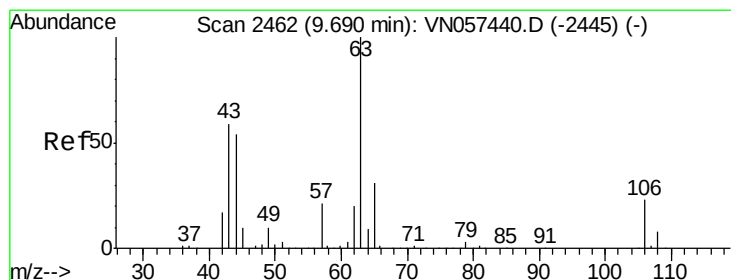
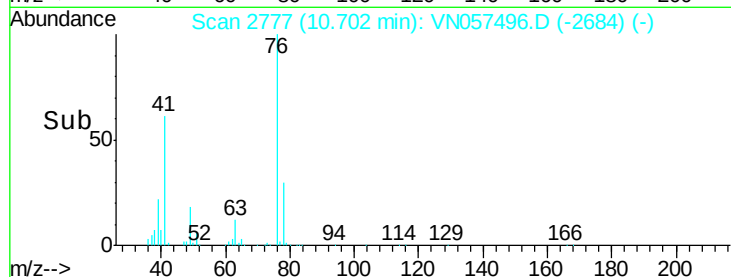
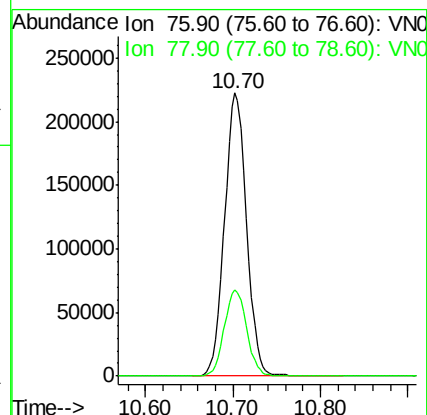
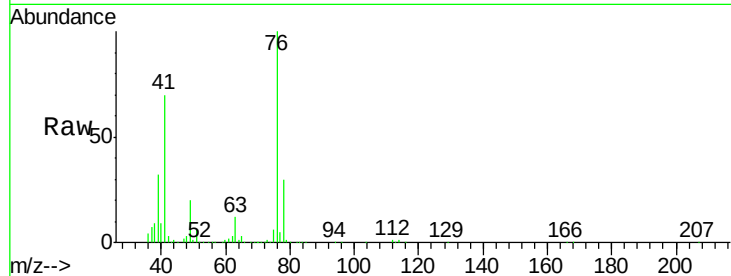
78 31.1 25.5 38.3

Manual Integrations

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MMDadoda

8/26/2019 1:13:16 PM



#58

2-Chloroethyl Vinyl ether

Concen: 292.874 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057496.D

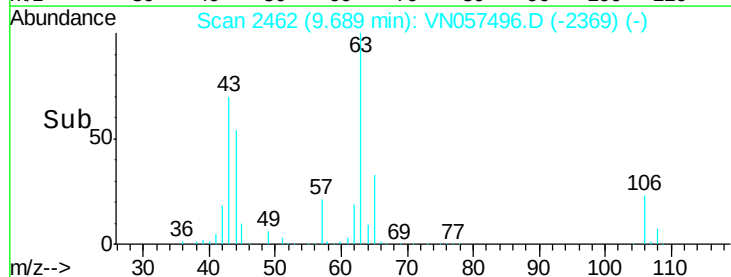
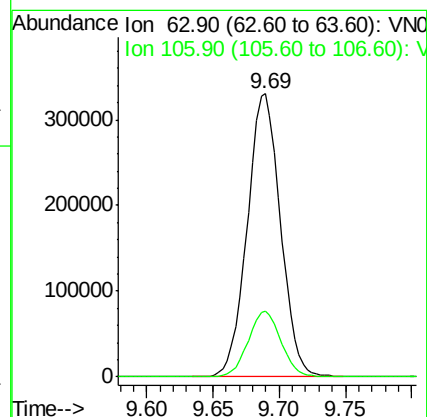
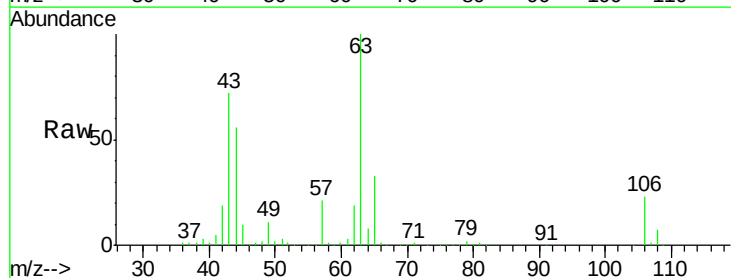
Acq: 24 Aug 2019 1:34

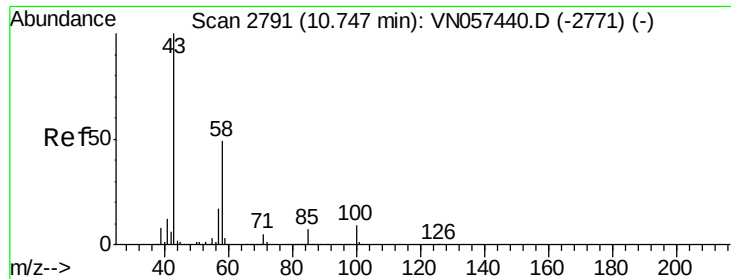
Tgt Ion: 63 Resp: 574973

Ion Ratio Lower Upper

63 100

106 22.9 18.6 27.8





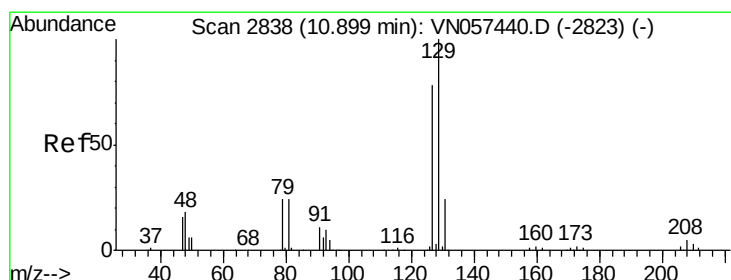
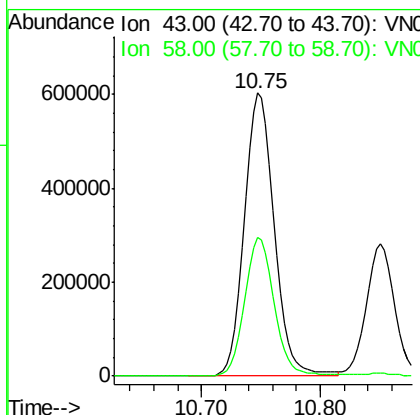
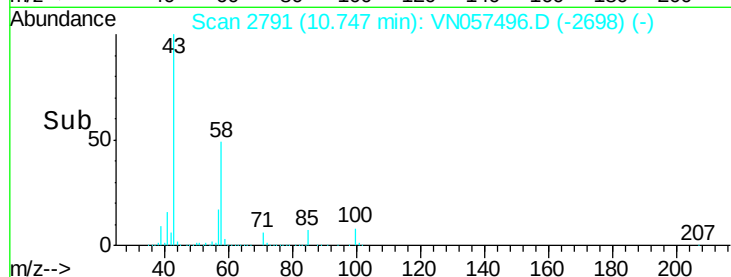
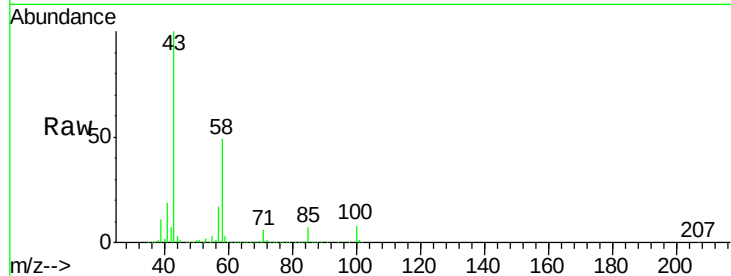
#59
2-Hexanone
Concen: 238.490 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1046811
Ion Ratio Lower Upper
43 100
58 48.7 24.6 73.6

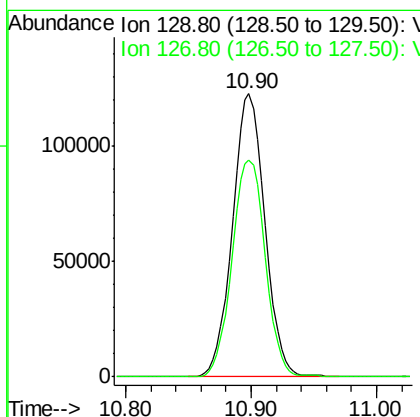
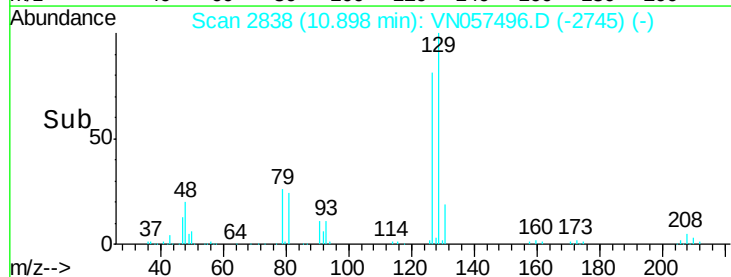
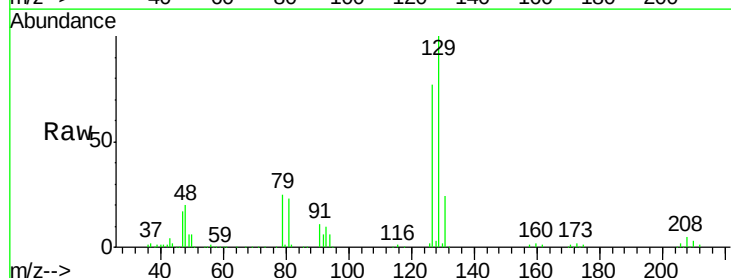
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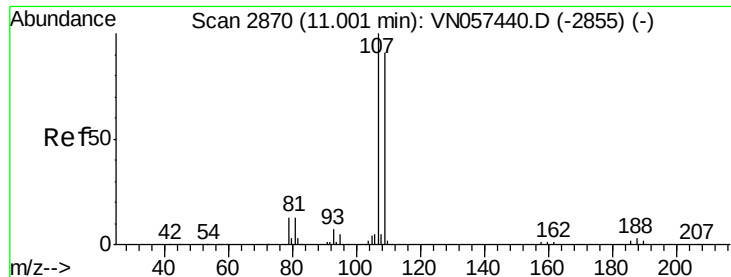
MMDadoda
8/26/2019 1:13:16 PM



#60
Dibromochloromethane
Concen: 47.060 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Tgt Ion: 129 Resp: 220488
Ion Ratio Lower Upper
129 100
127 78.7 39.0 116.9





#61

1,2-Dibromoethane

Concen: 49.115 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 213573

Ion Ratio Lower Upper

107 100

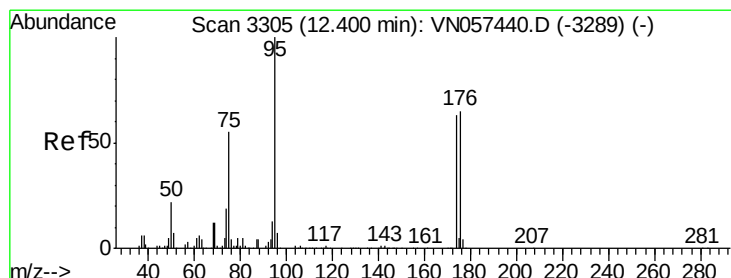
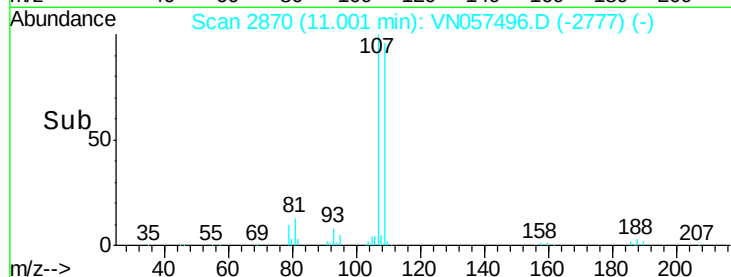
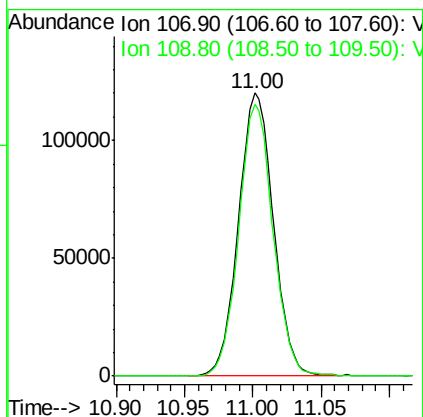
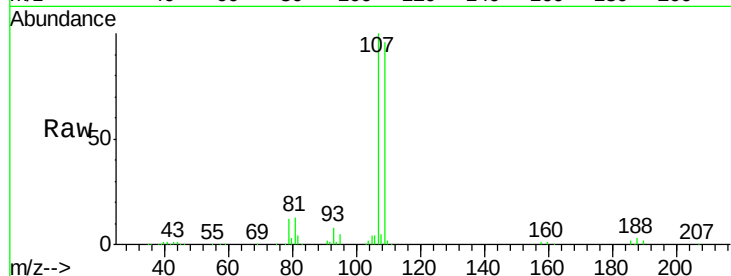
109 94.3 73.8 110.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 53.885 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

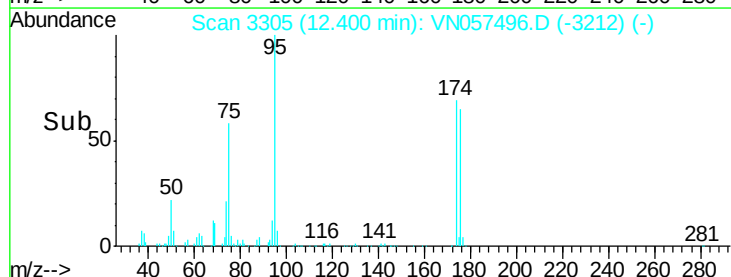
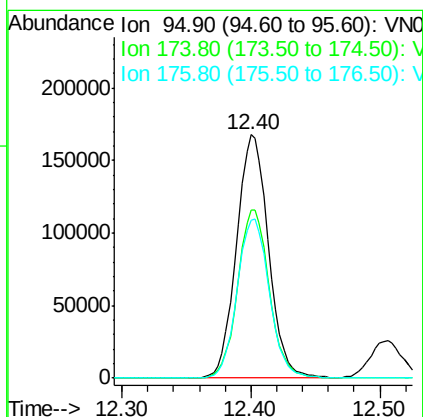
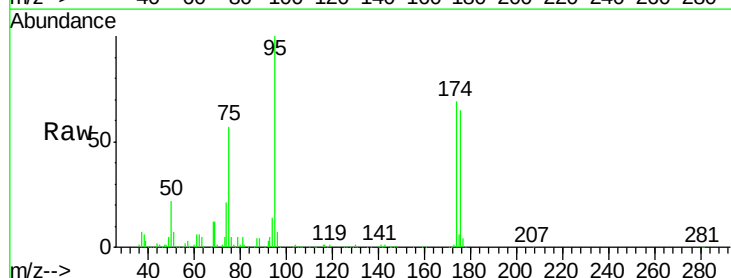
Tgt Ion: 95 Resp: 289269

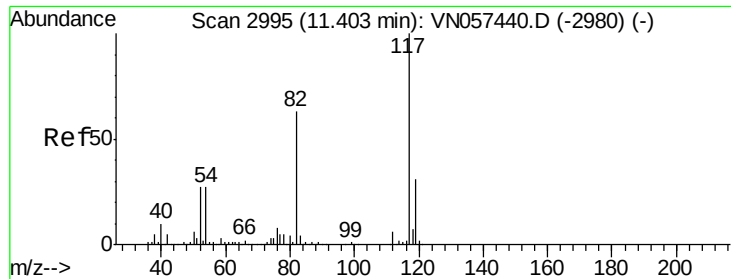
Ion Ratio Lower Upper

95 100

174 68.3 0.0 133.0

176 65.6 0.0 130.8





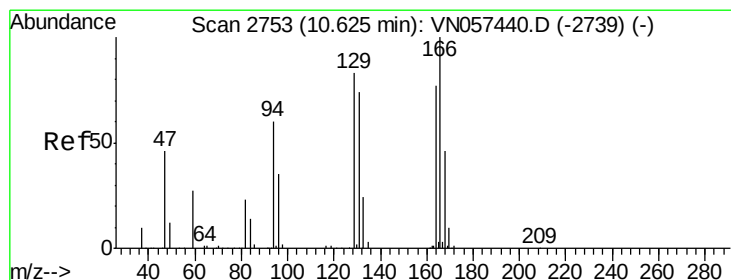
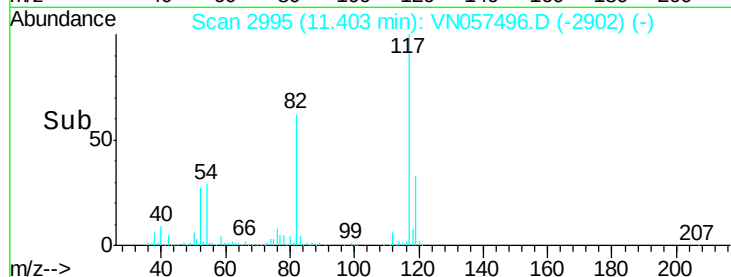
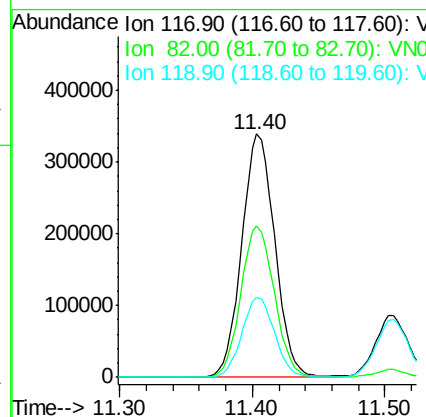
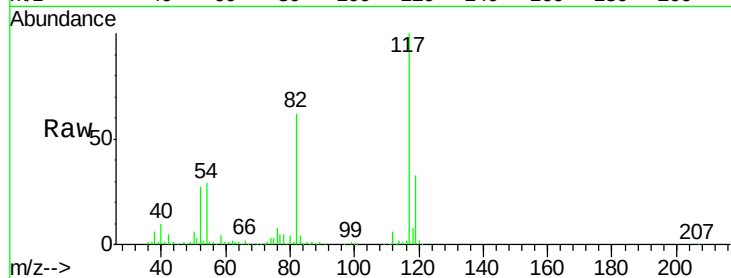
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	587884		
82	62.2	50.6	75.8	
119	32.9	24.6	36.8	

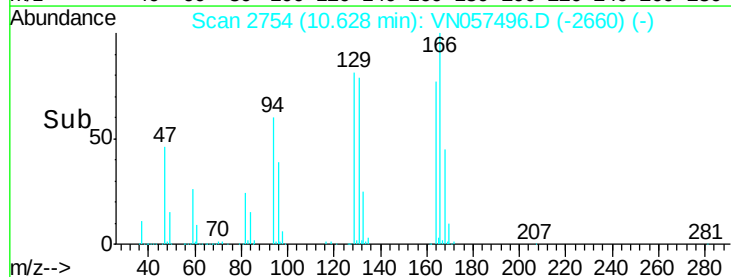
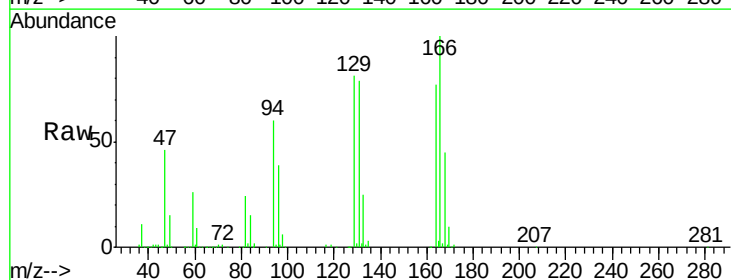
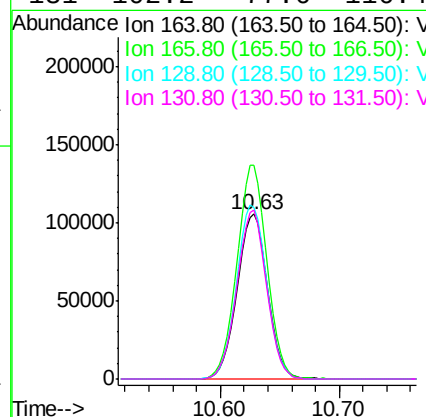
Manual Integrations
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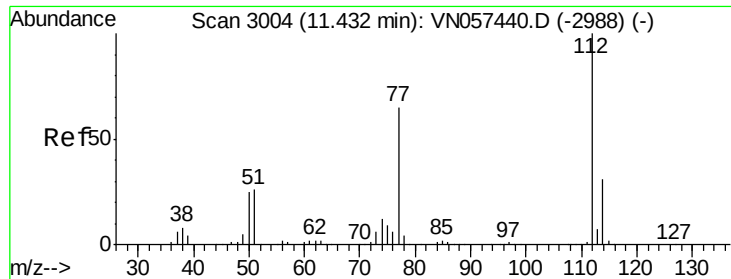
MMDadoda
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#64
Tetrachloroethene
Concen: 45.383 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	186655		
166	129.5	104.4	156.6	
129	104.4	86.6	130.0	
131	102.2	77.6	116.4	





#65

Chlorobenzene

Concen: 45.857 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 544959

Ion Ratio Lower Upper

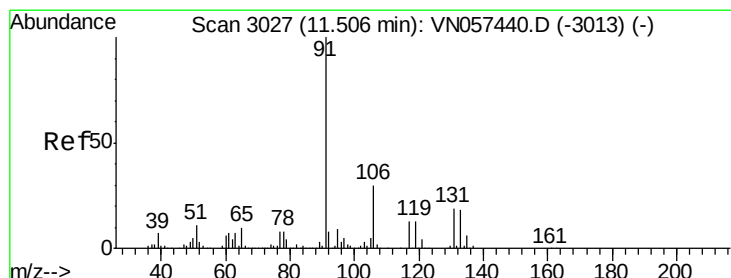
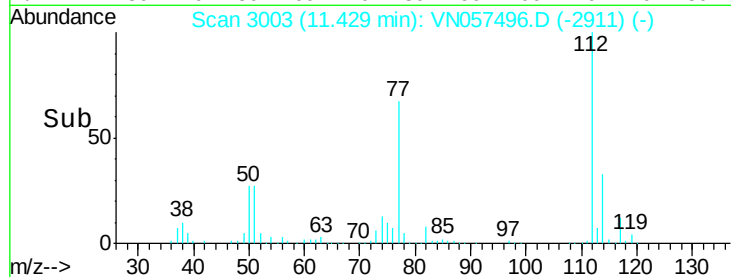
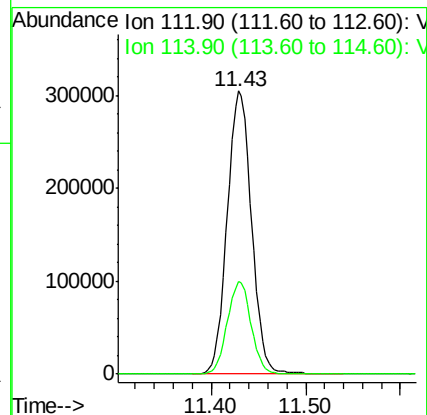
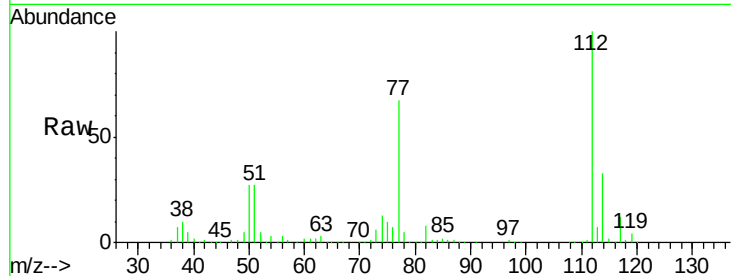
112 100

114 32.7 24.8 37.2

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 44.686 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

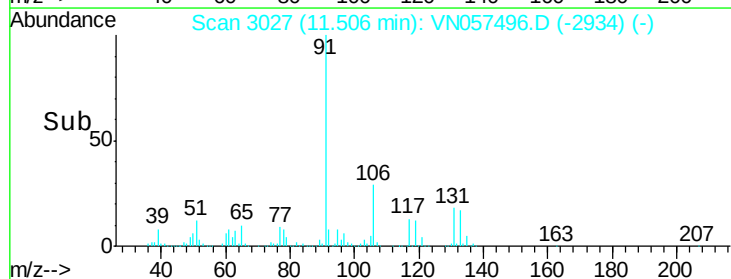
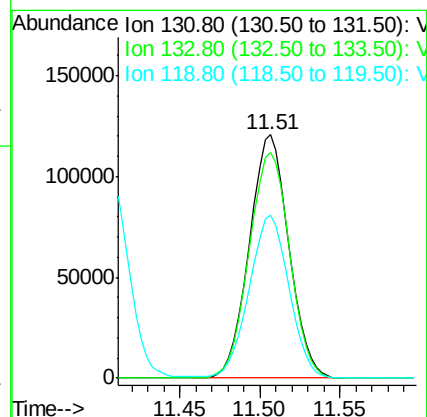
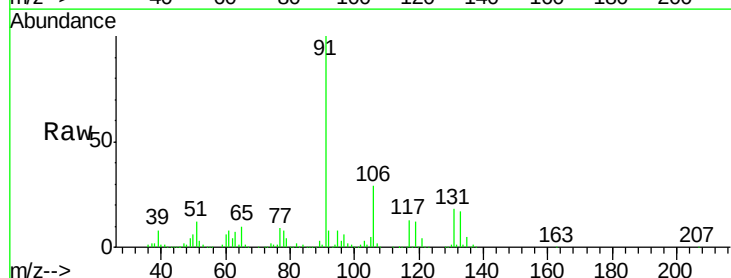
Tgt Ion:131 Resp: 203661

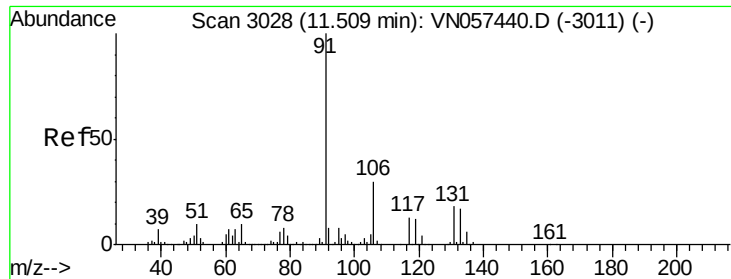
Ion Ratio Lower Upper

131 100

133 95.4 47.6 142.8

119 67.9 34.4 103.2





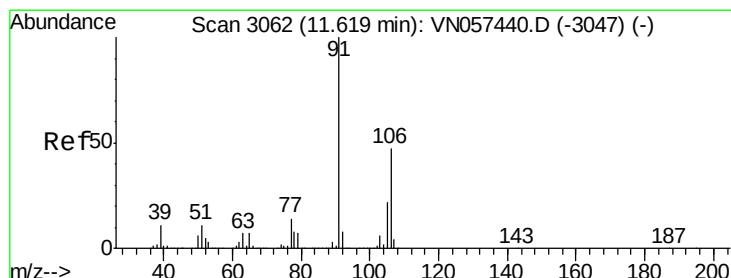
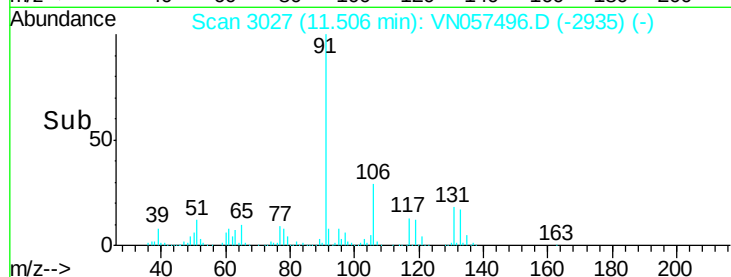
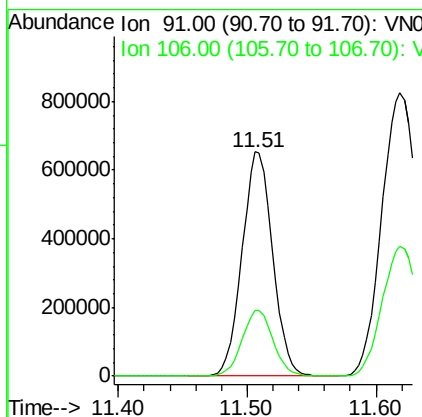
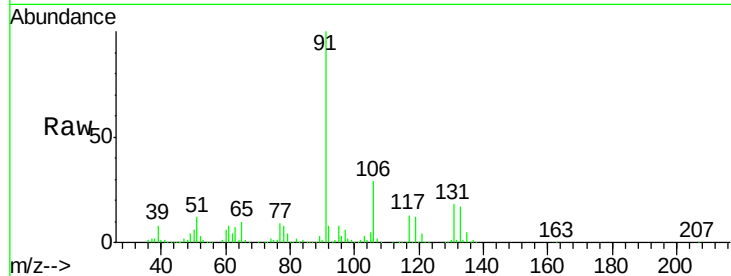
#67
Ethyl Benzene
Concen: 46.922 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1079324
Ion Ratio Lower Upper
91 100
106 29.2 24.1 36.1

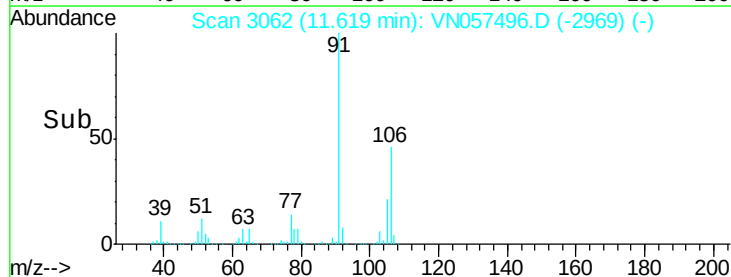
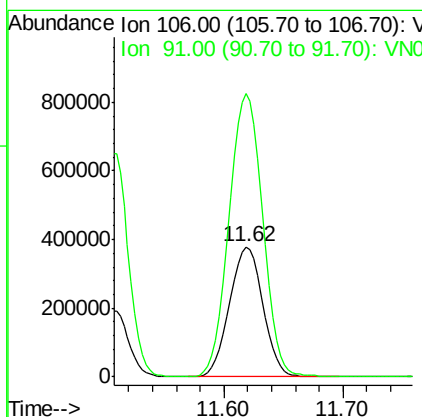
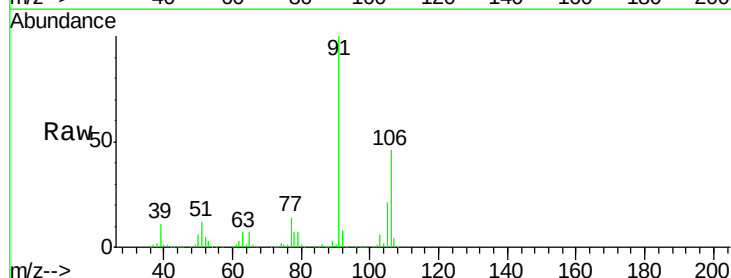
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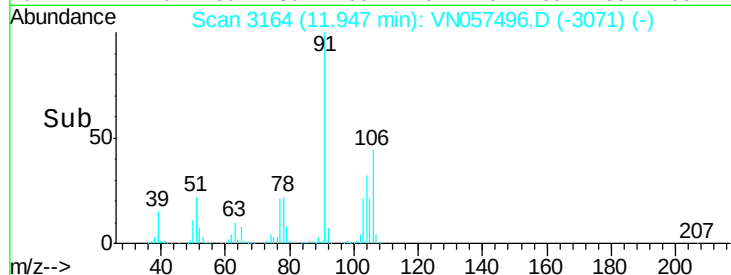
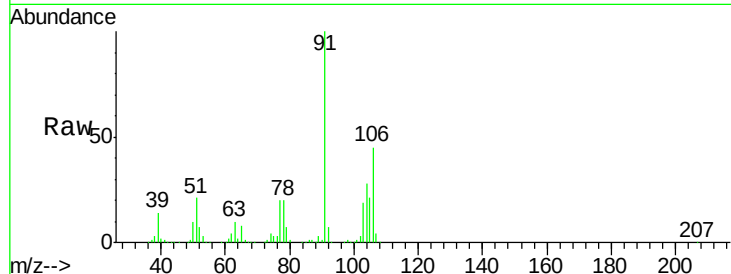
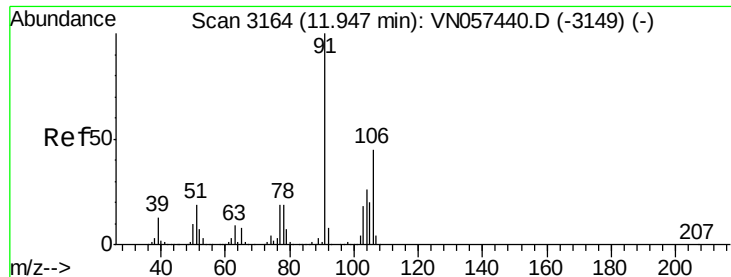
MMDadoda
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#68
m/p-Xylenes
Concen: 94.426 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Tgt Ion: 106 Resp: 738658
Ion Ratio Lower Upper
106 100
91 218.9 171.8 257.6





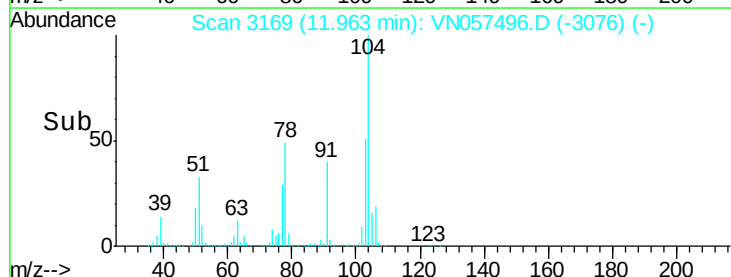
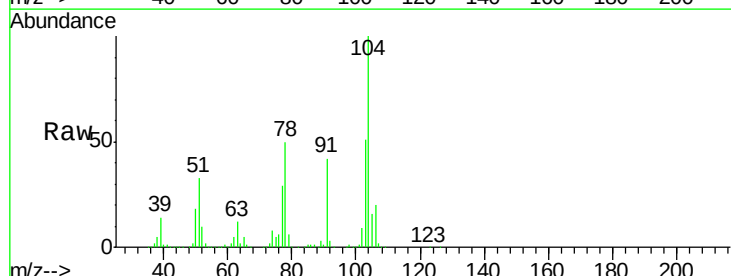
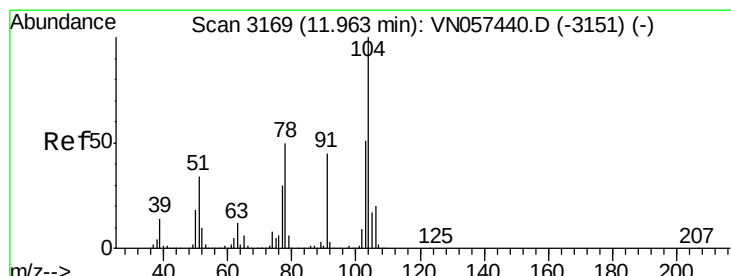
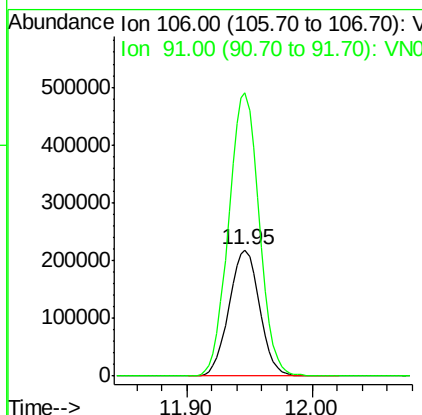
#69
o-Xylene
Concen: 47.663 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Tot Ion:106 Resp: 369354
Ion Ratio Lower Upper
106 100
91 224.3 112.3 336.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

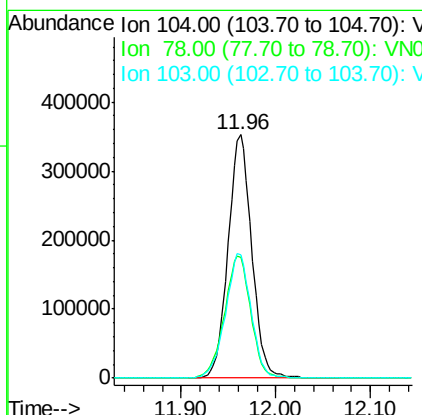
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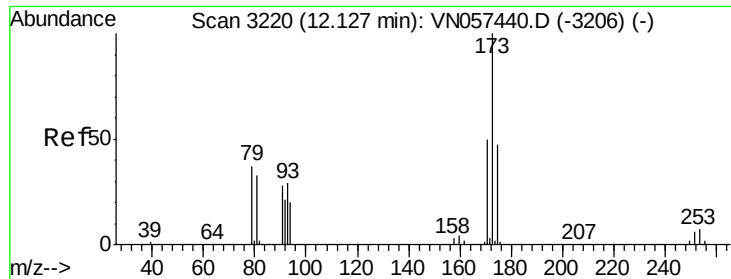
MMDadoda
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#70
Styrene
Concen: 49.968 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Tgt Ion:104 Resp: 613133
Ion Ratio Lower Upper
104 100
78 55.7 44.7 67.1
103 55.4 44.4 66.6





#71

Bromoform

Concen: 42.143 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 129838

Ion Ratio Lower Upper

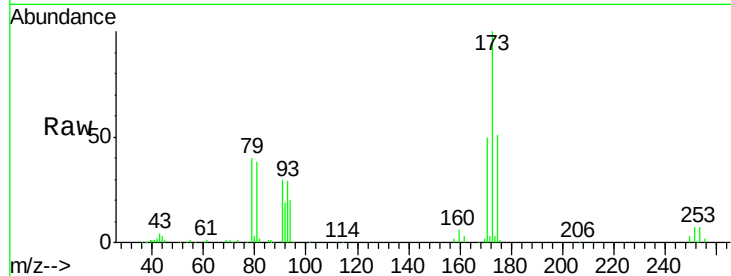
173 100

175 51.3 23.9 71.8

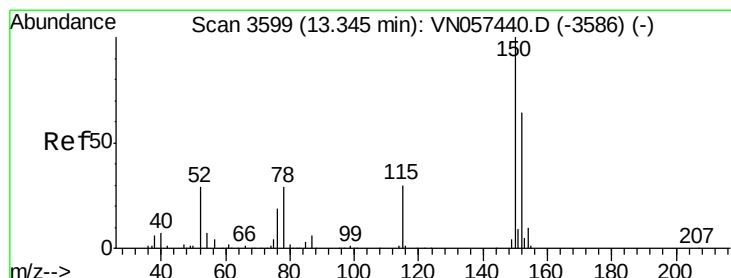
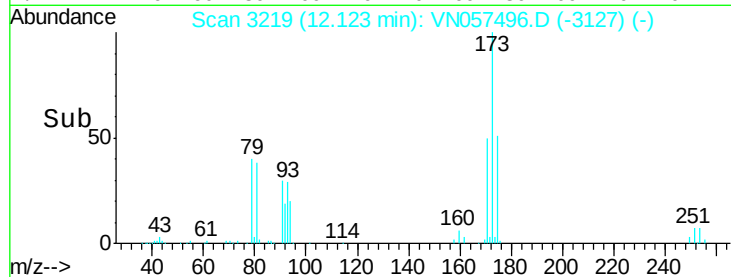
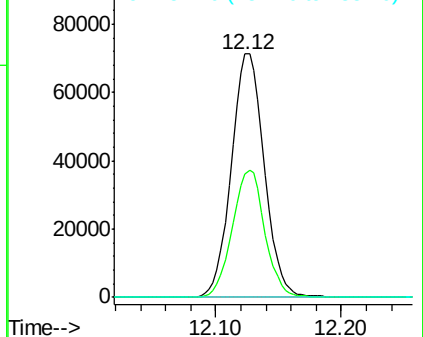
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

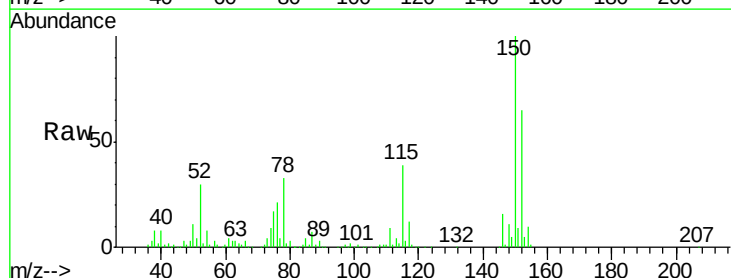
Tgt Ion:152 Resp: 222268

Ion Ratio Lower Upper

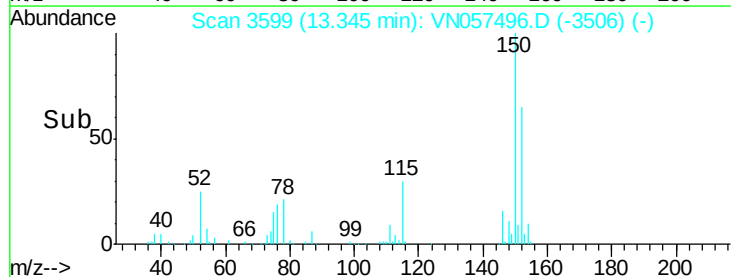
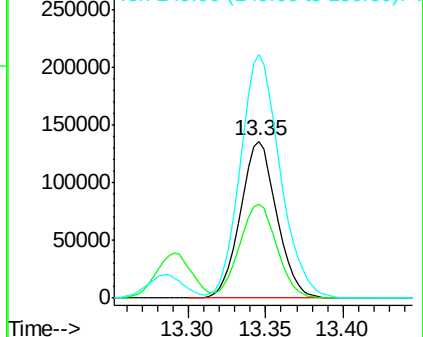
152 100

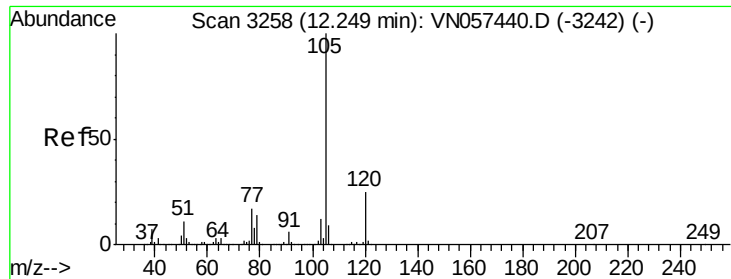
115 61.7 32.0 96.0

150 169.9 0.0 346.6



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





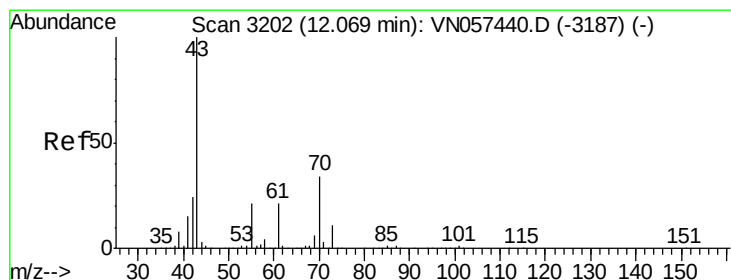
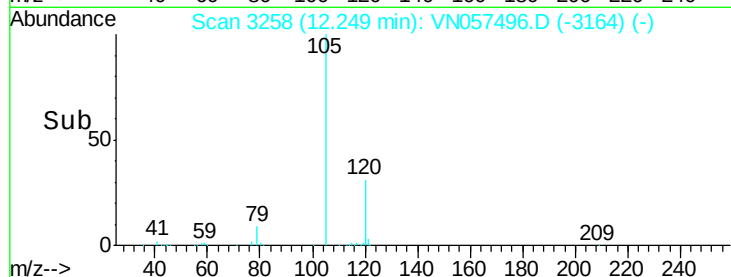
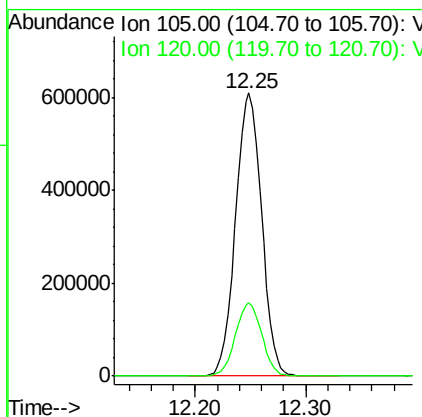
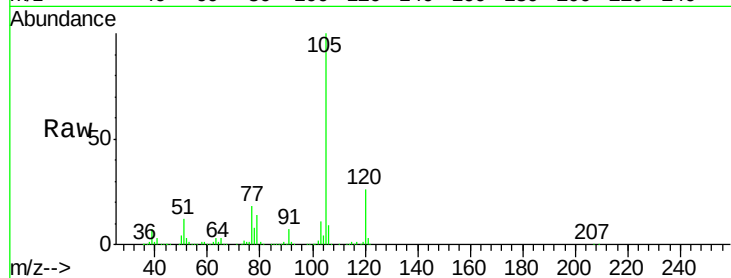
#73
Isopropylbenzene
Concen: 50.753 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.7	38.0

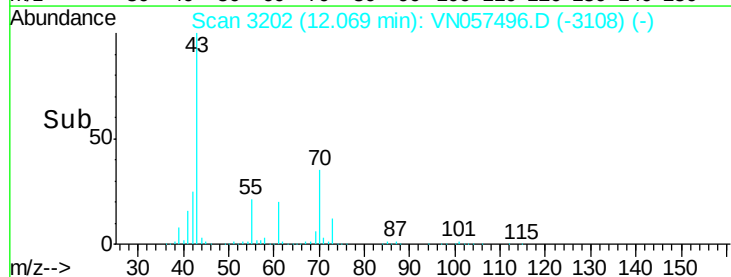
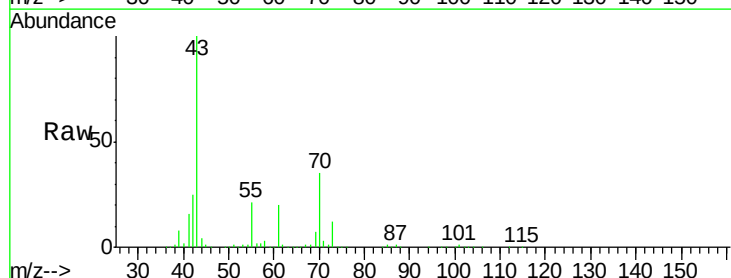
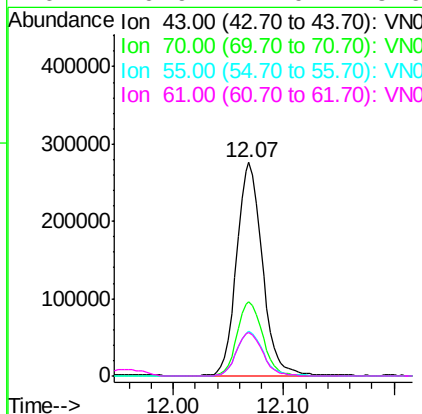
Manual Integrations
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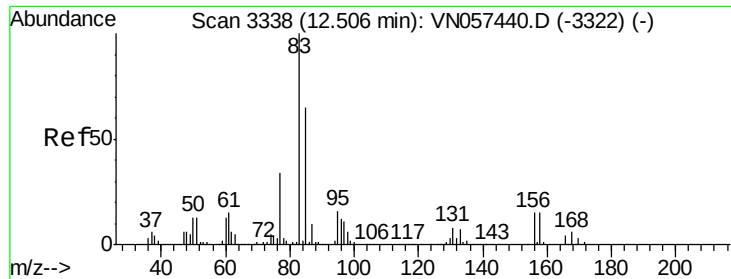
MMDadoda
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#74
N-ethyl acetate
Concen: 47.882 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.0	27.8	41.6
55	21.2	17.0	25.4
61	20.9	17.0	25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.860 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 277985

Ion Ratio Lower Upper

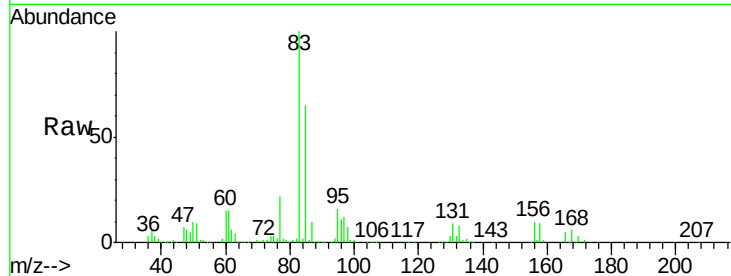
83 100

131 8.5 4.3 13.1

85 65.0 32.3 96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.50

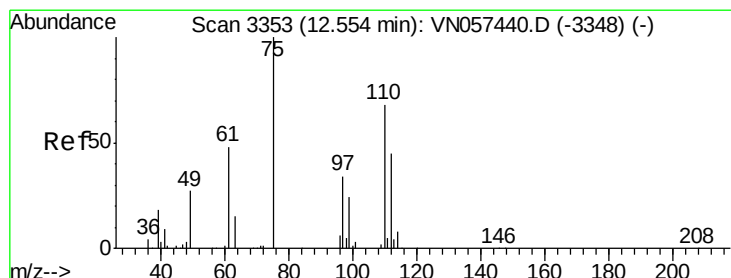
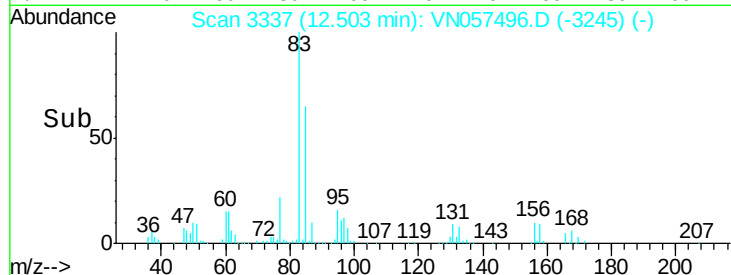
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 53.671 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057496.D

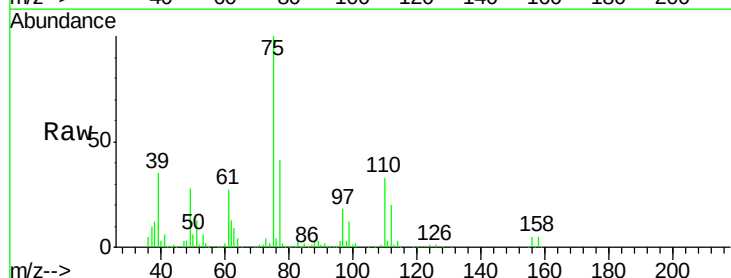
Acq: 24 Aug 2019 1:34

Tgt Ion: 75 Resp: 262700

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

250000

200000

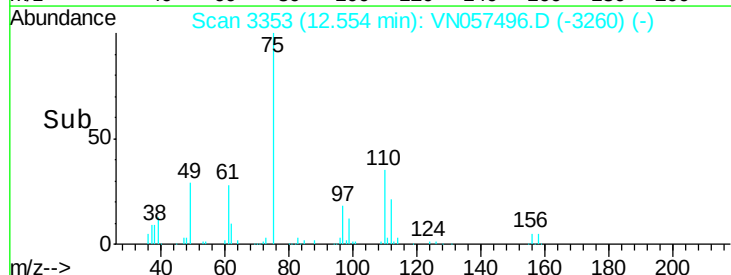
150000

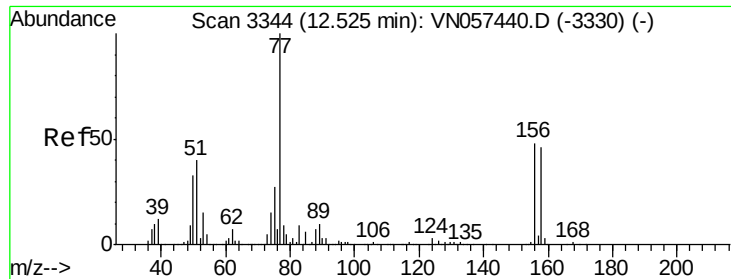
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 50.442 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 205598

Ion Ratio Lower Upper

156 100

77 244.4 124.4 373.3

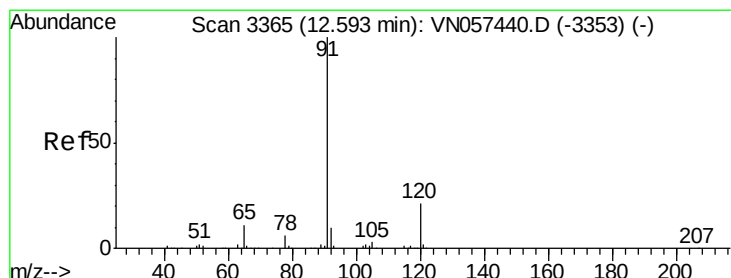
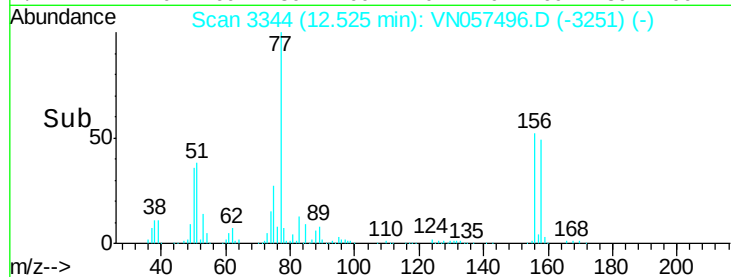
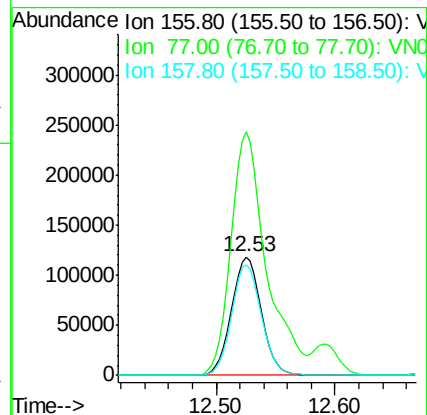
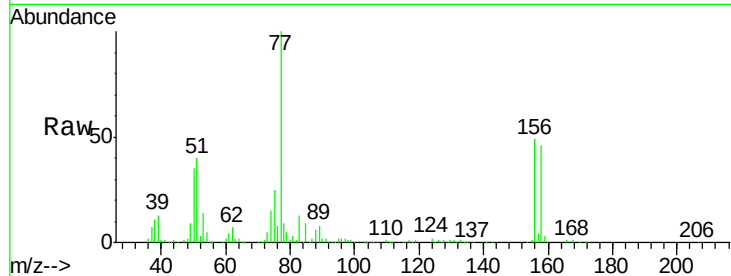
158 93.3 48.3 144.8

Manual Integrations

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#78

n-propylbenzene

Concen: 49.415 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057496.D

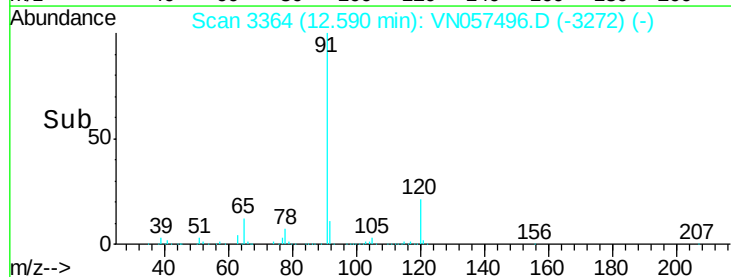
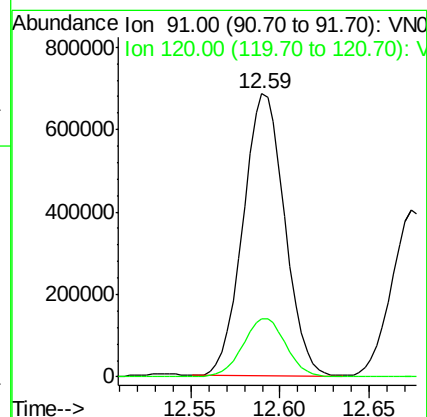
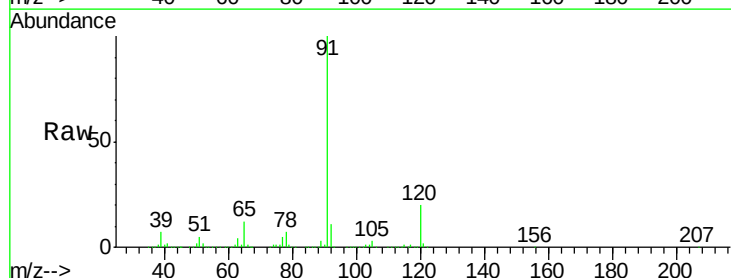
Acq: 24 Aug 2019 1:34

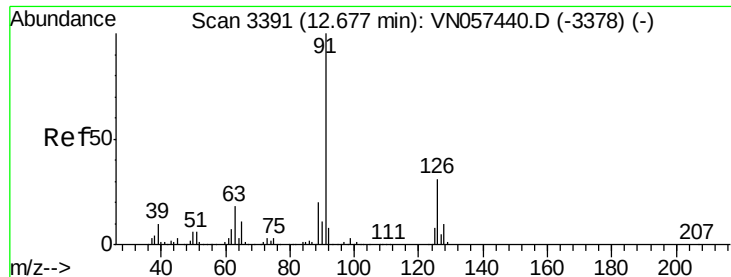
Tgt Ion: 91 Resp: 1117936

Ion Ratio Lower Upper

91 100

120 21.2 10.7 32.1





#79

2-Chlorotoluene

Concen: 50.536 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 669711

Ion Ratio Lower Upper

91 100

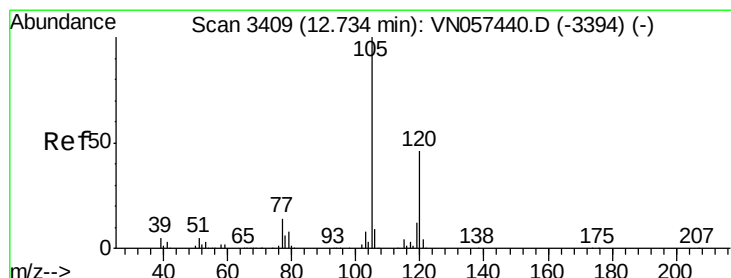
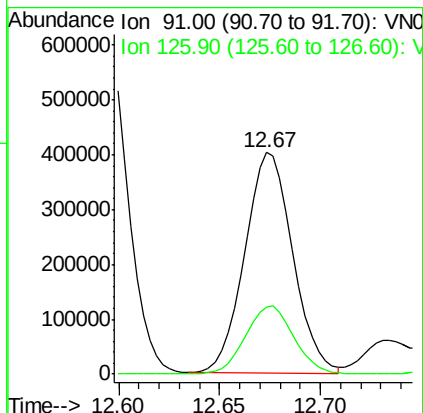
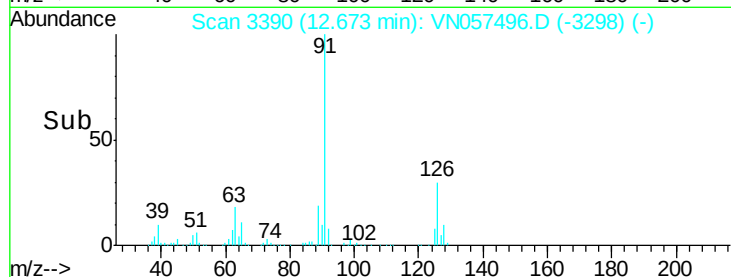
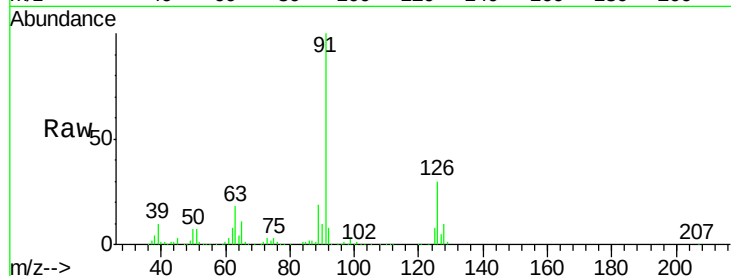
126 31.2 15.3 45.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.202 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057496.D

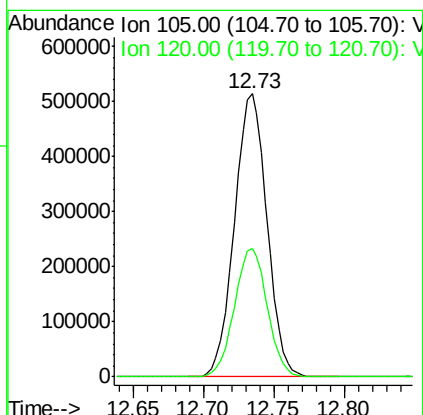
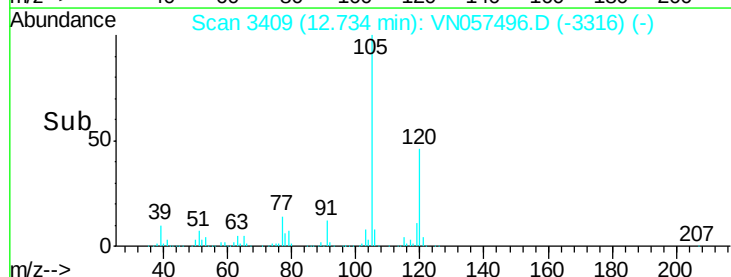
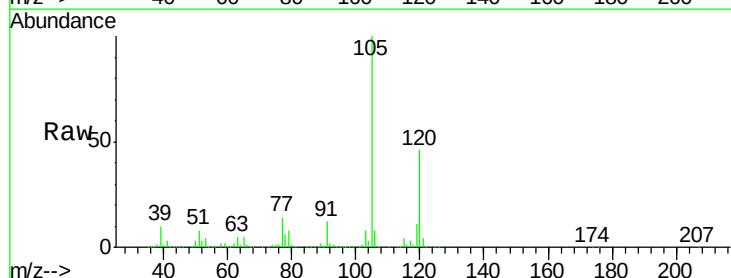
Acq: 24 Aug 2019 1:34

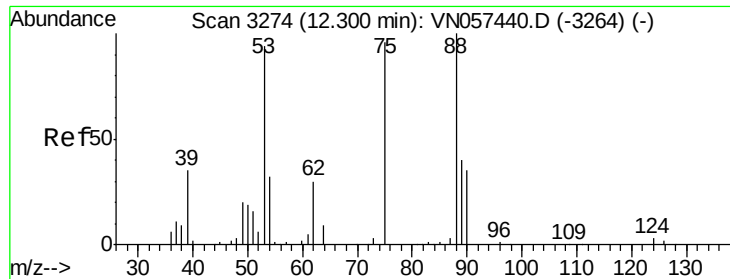
Tgt Ion: 105 Resp: 828492

Ion Ratio Lower Upper

105 100

120 45.8 23.3 69.8





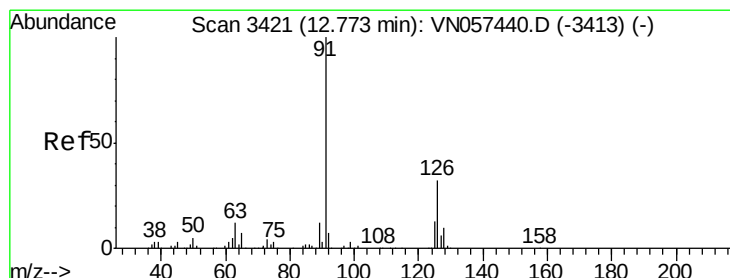
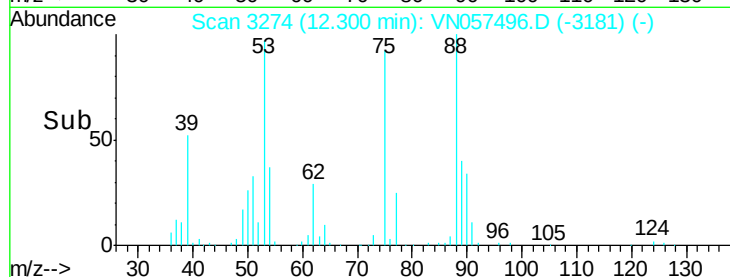
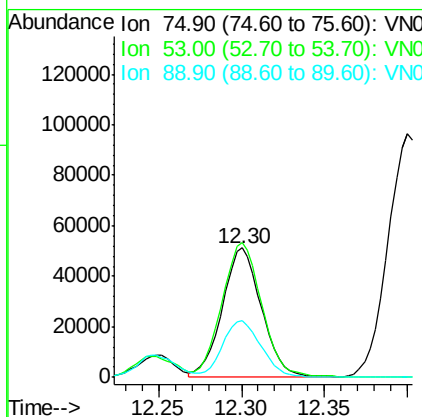
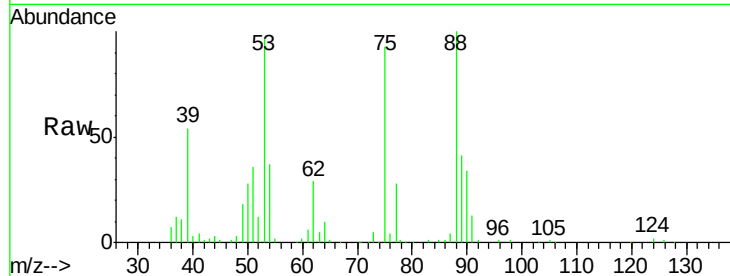
#81
trans-1,4-Dichloro-2-butene
Concen: 40.689 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.5	82.7	124.1
89	44.4	35.8	53.8

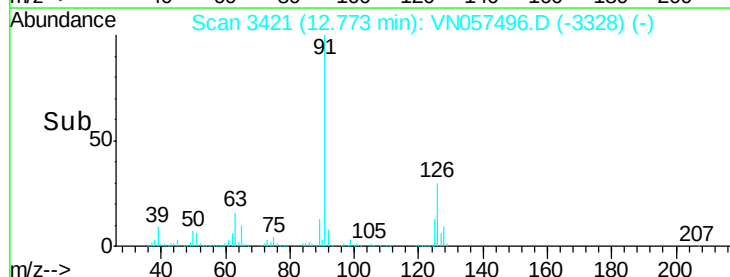
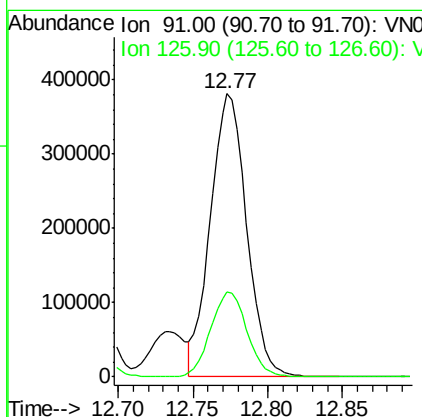
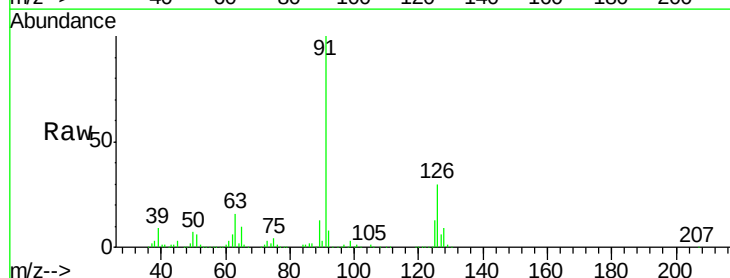
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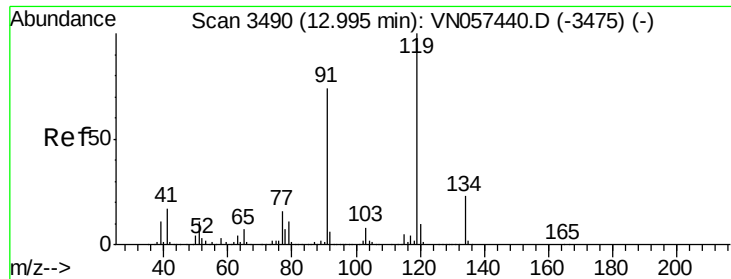
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#82
4-Chlorotoluene
Concen: 48.447 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.0	45.0





#83

tert-Butylbenzene

Concen: 50.529 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 683979

Ion Ratio Lower Upper

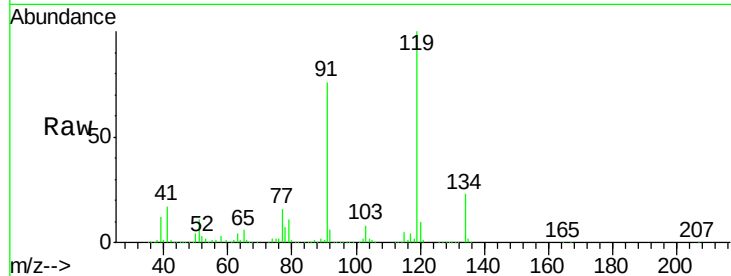
119 100

91 74.9 37.0 111.0

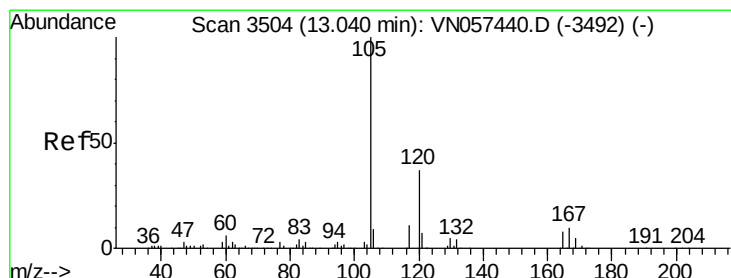
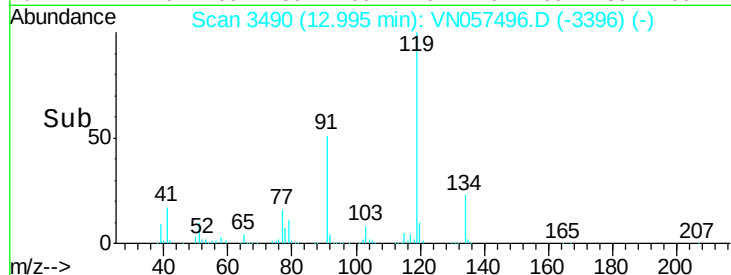
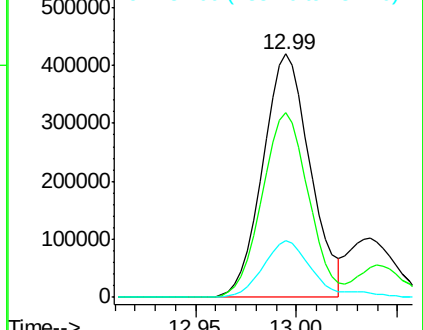
134 24.5 12.2 36.6

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



#84

1,2,4-Trimethylbenzene

Concen: 45.854 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN057496.D

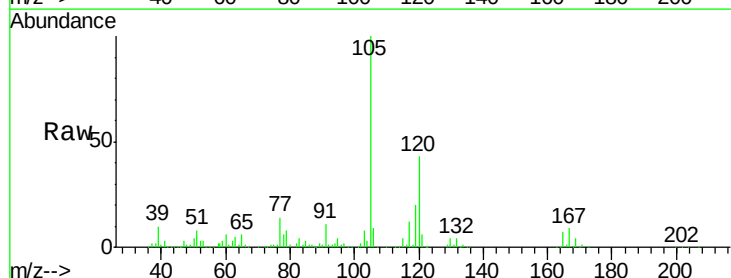
Acq: 24 Aug 2019 1:34

Tgt Ion:105 Resp: 792342

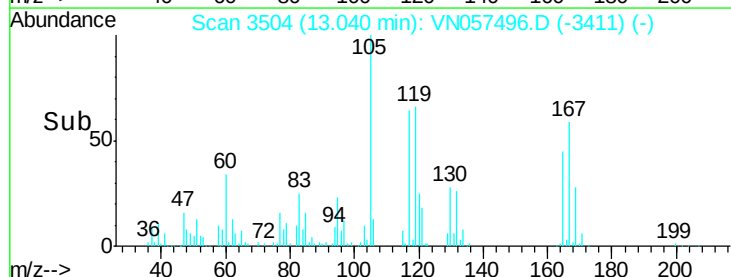
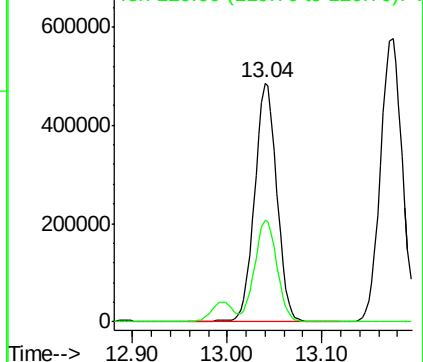
Ion Ratio Lower Upper

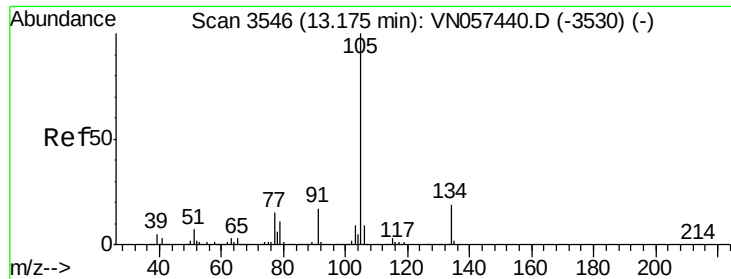
105 100

120 43.0 21.9 65.7



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





#85

sec-Butylbenzene

Concen: 50.265 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 922953

Ion Ratio Lower Upper

105 100

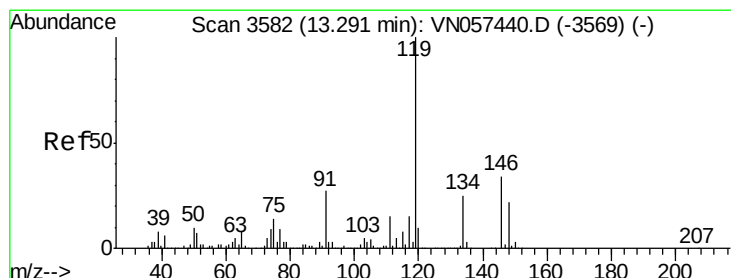
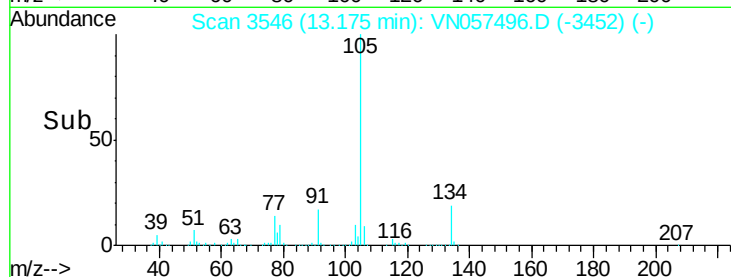
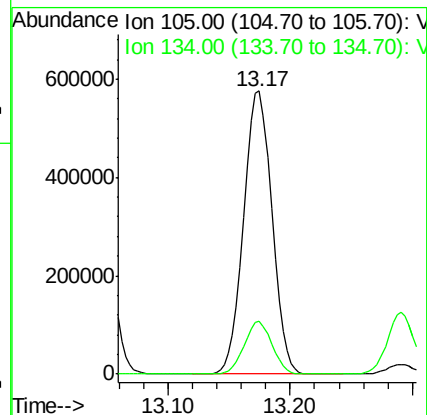
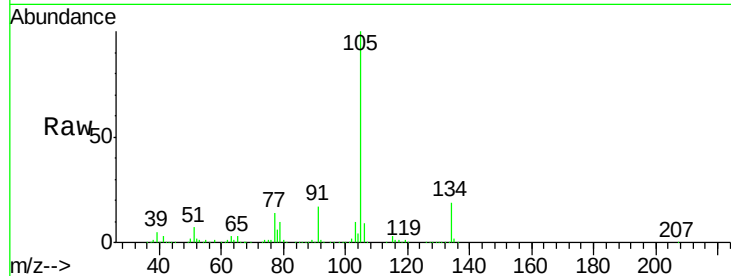
134 18.3 9.3 27.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 44.154 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

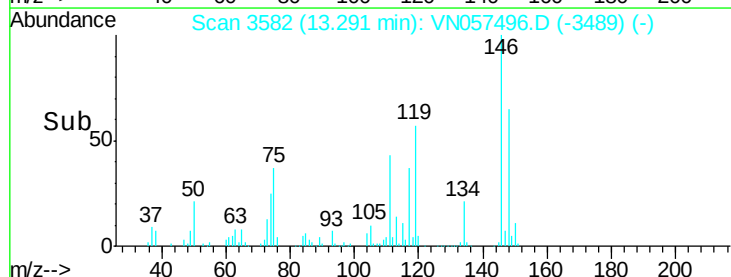
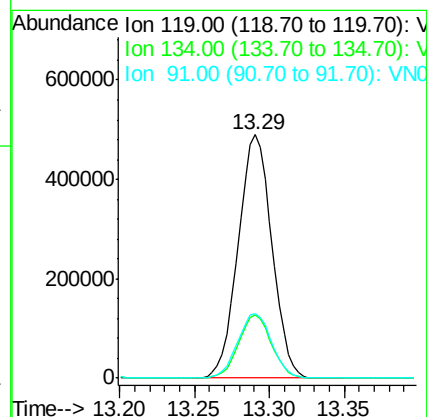
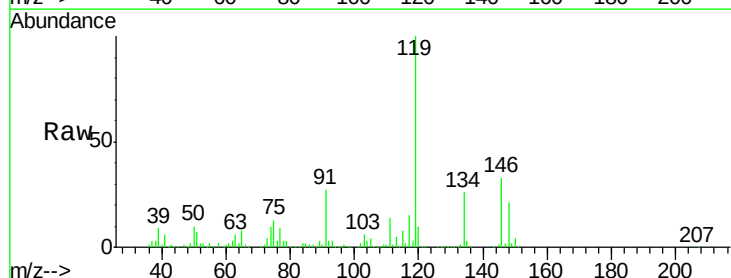
Tgt Ion:119 Resp: 767108

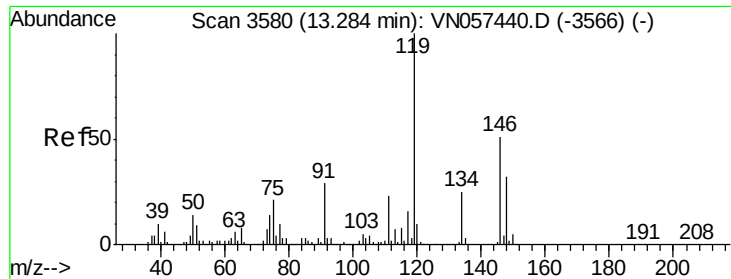
Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.1

91 26.7 13.9 41.6





#87

1,3-Dichlorobenzene

Concen: 44.233 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Instrument :

MSVOA_N

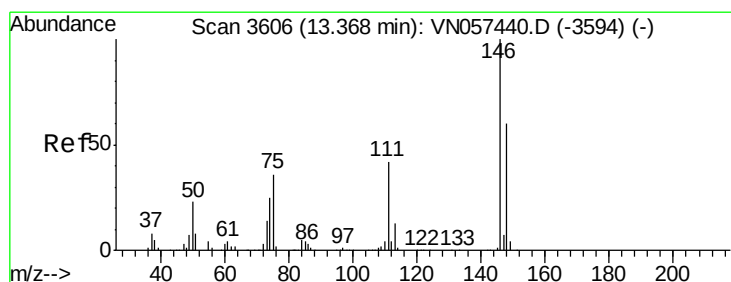
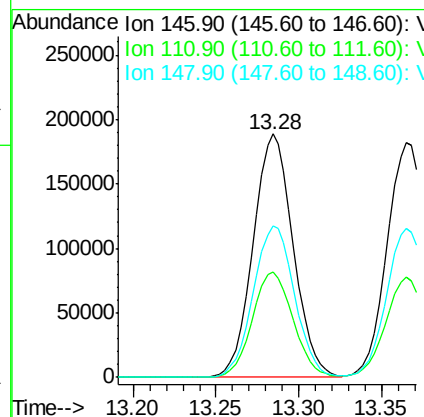
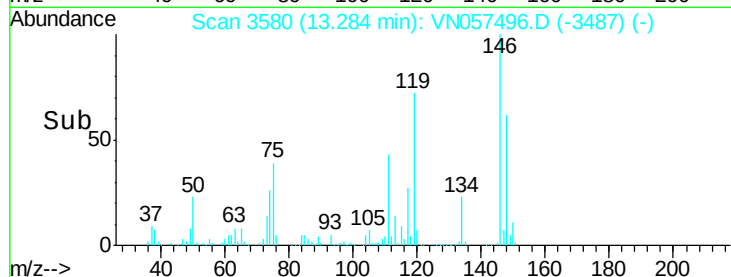
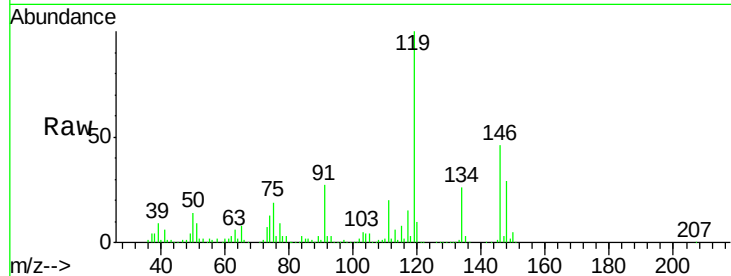
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	317570
Ion Ratio	Lower	Upper	
146	100		
111	44.3	22.1	66.1
148	64.1	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 43.729 ug/l

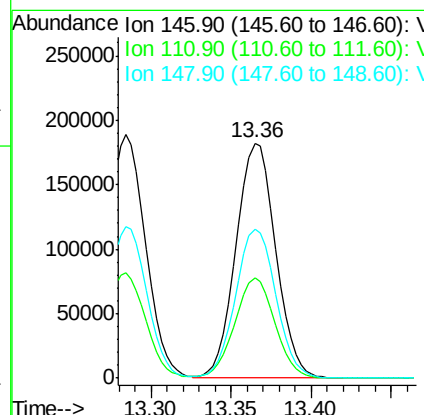
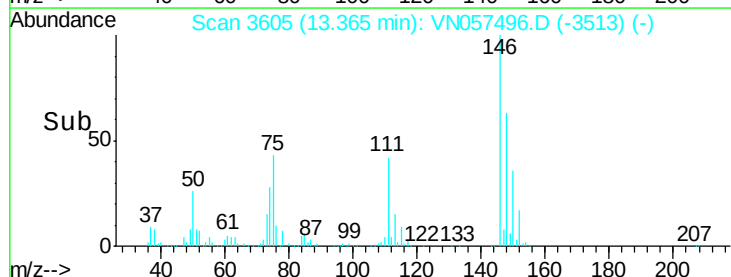
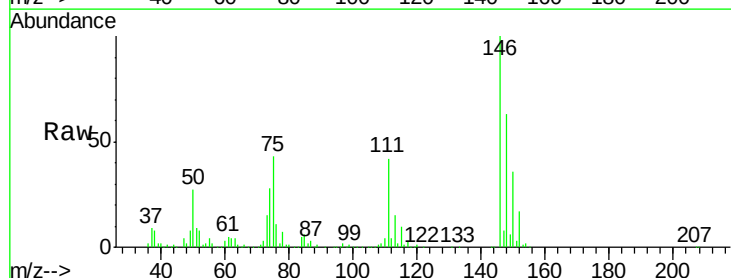
RT: 13.36 min Scan# 3605

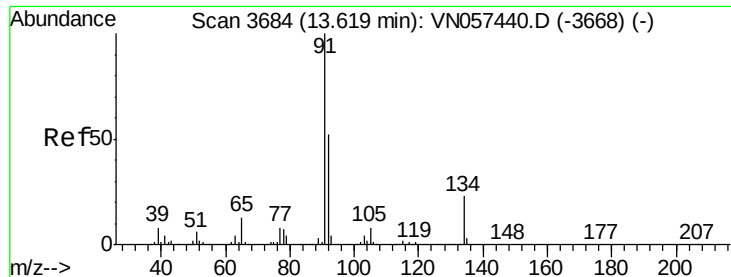
Delta R.T. -0.00 min

Lab File: VN057496.D

Acq: 24 Aug 2019 1:34

Tgt Ion:	146	Resp:	307455
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.9	65.5
148	64.6	31.1	93.2





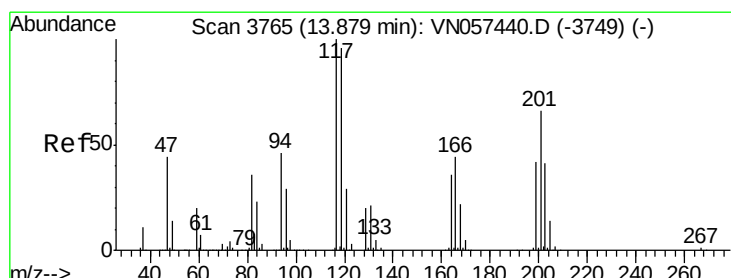
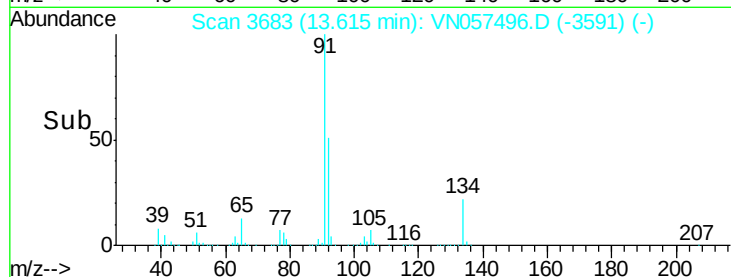
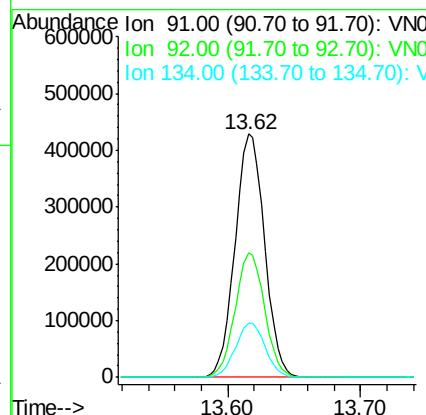
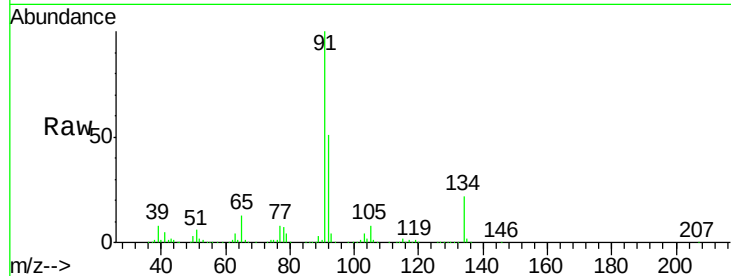
#89
n-Butylbenzene
Concen: 45.076 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.7	77.0
134	22.5	11.4	34.1

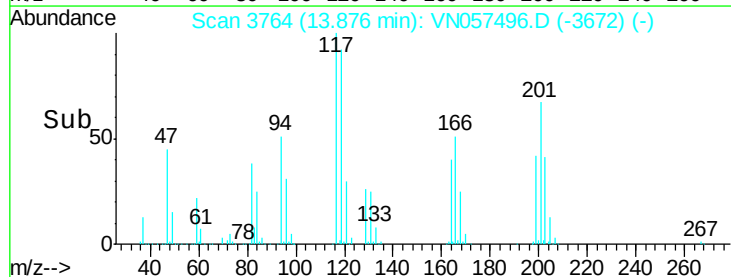
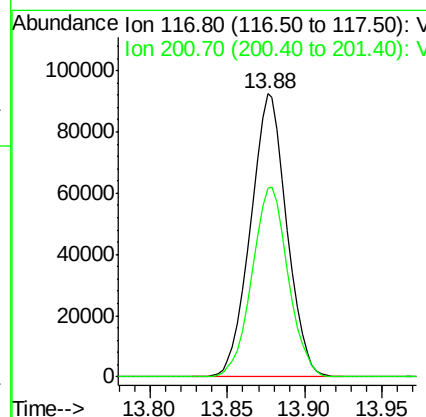
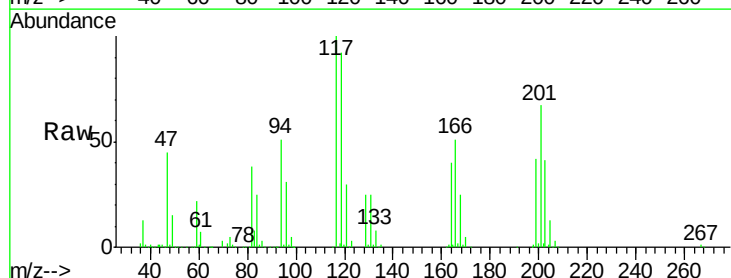
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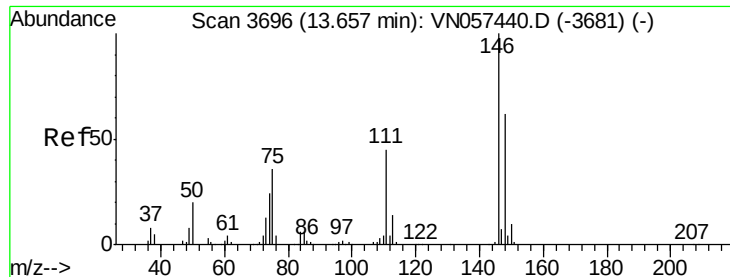
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#90
Hexachloroethane
Concen: 45.976 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.9	33.1	99.3





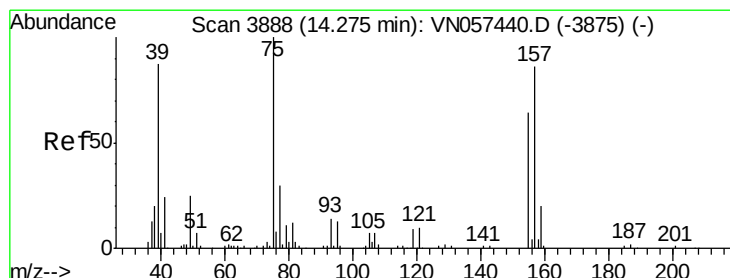
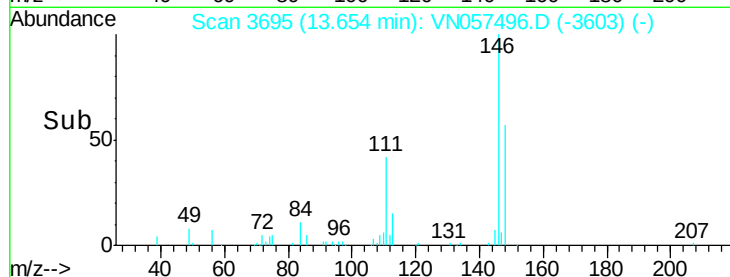
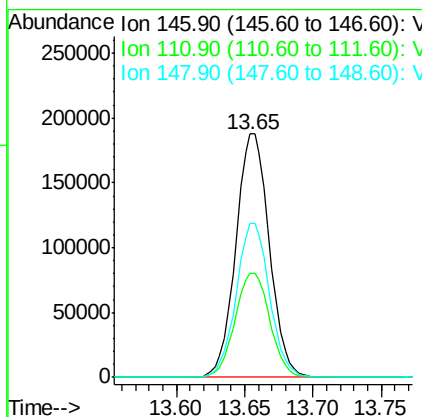
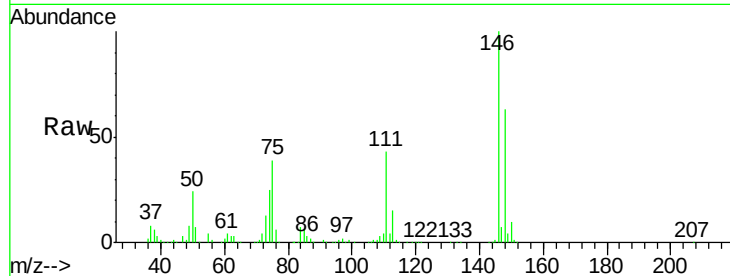
#91
 1,2-Dichlorobenzene
 Concen: 46.583 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN057496.D
 Acq: 24 Aug 2019 1:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	23.1	69.2
148	63.2	31.8	95.4

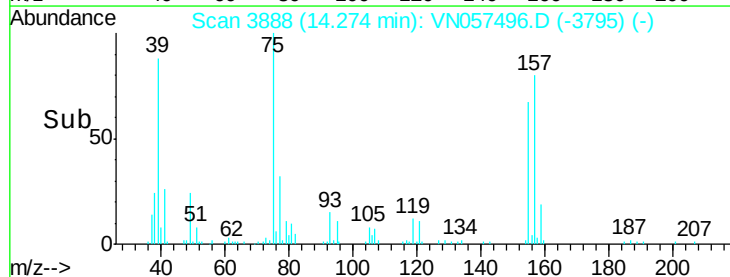
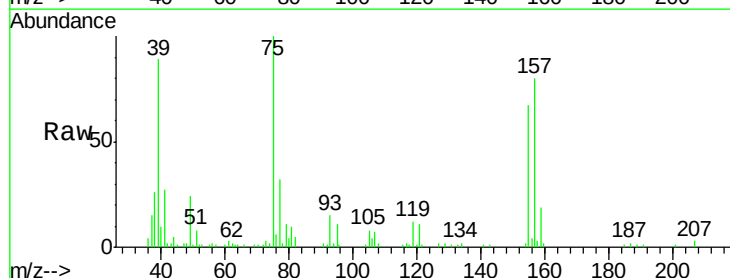
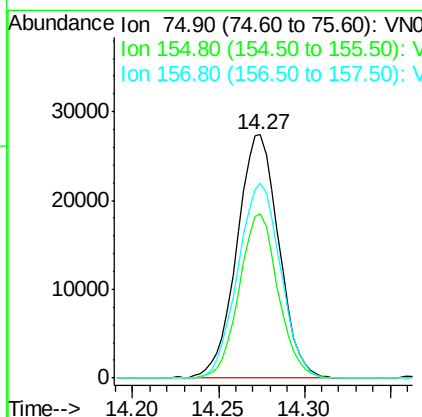
Manual Integrations
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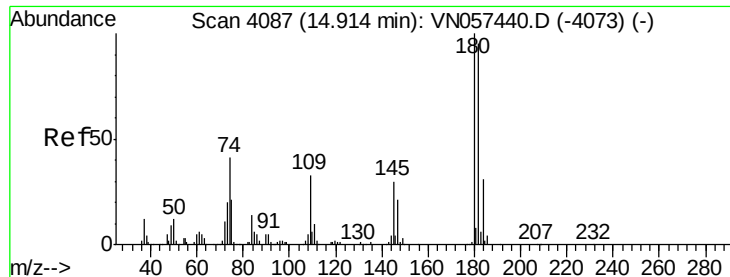
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 8/26/2019 1:13:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.632 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057496.D
 Acq: 24 Aug 2019 1:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.6	31.6	94.7
157	81.0	43.3	129.8





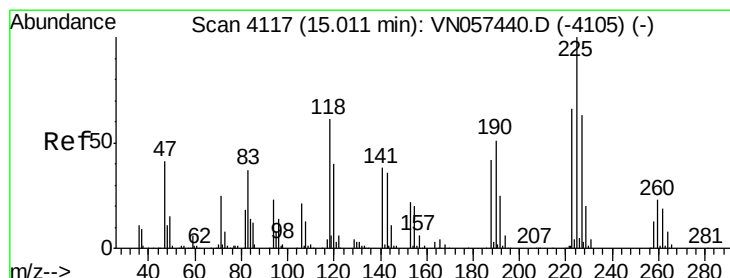
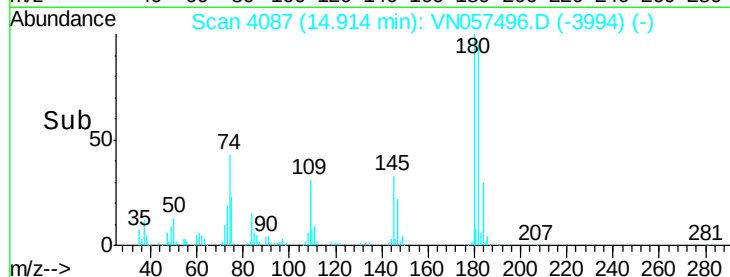
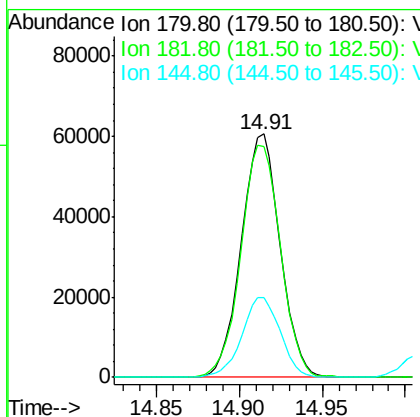
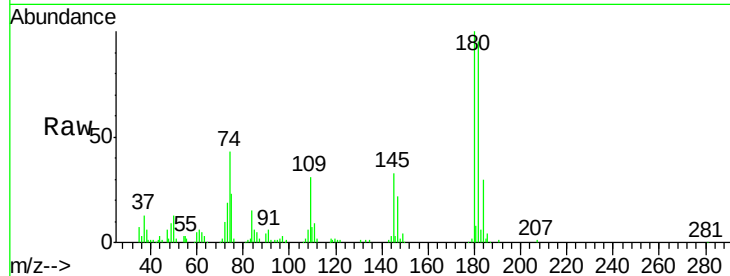
#93
 1,2,4-Trichlorobenzene
 Concen: 37.058 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057496.D
 Acq: 24 Aug 2019 1:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.7	46.7	140.1	
145	32.5	15.6	46.8	

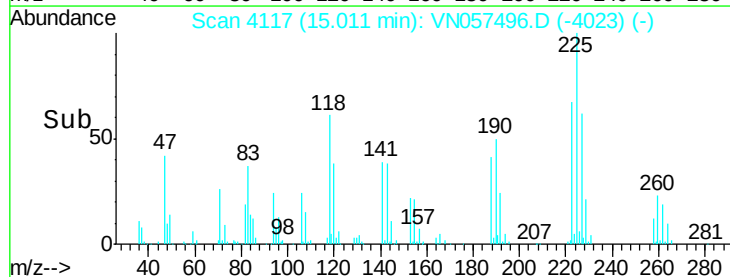
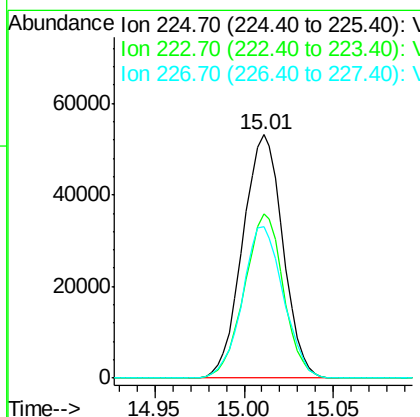
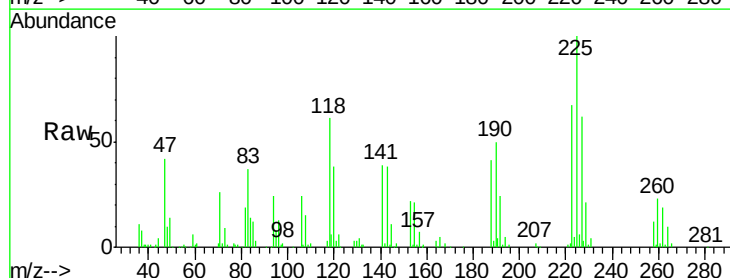
Manual Integrations
 APPROVED

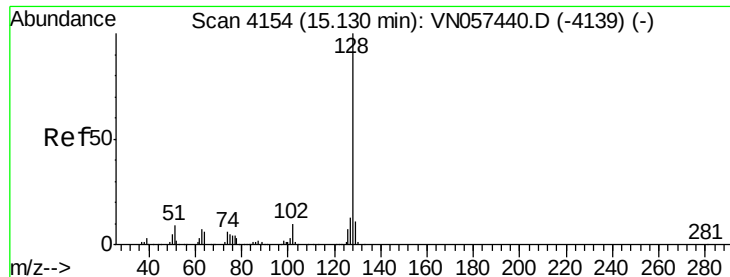
MMDadoda
 8/26/2019 1:13:16 PM



#94
 Hexachlorobutadiene
 Concen: 47.754 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057496.D
 Acq: 24 Aug 2019 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.6	32.0	96.2	
227	63.4	31.5	94.5	





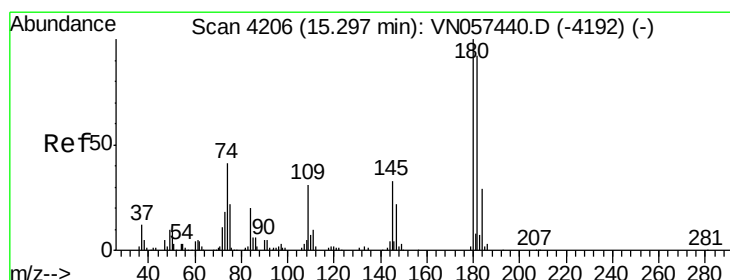
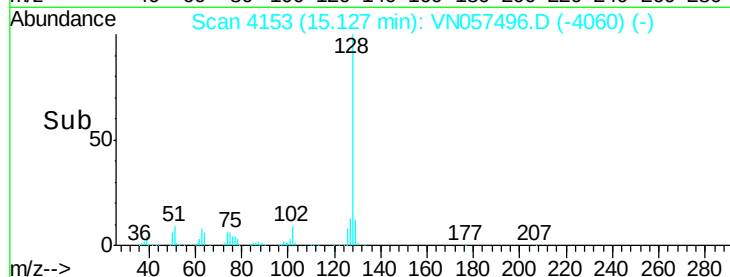
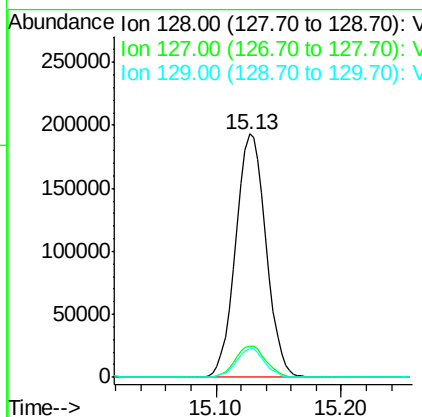
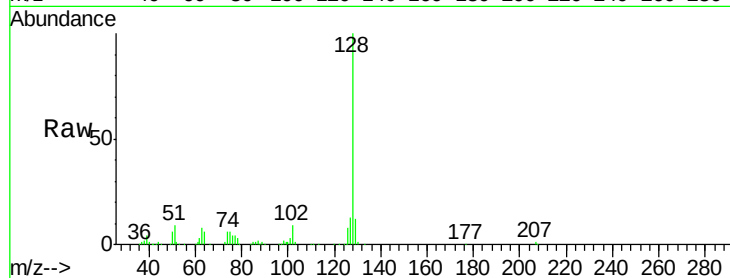
#95
Naphthalene
Concen: 37.776 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	323755		
127	13.1	10.5	15.7	
129	11.1	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
8/26/2019 1:13:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 38.831 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN057496.D
Acq: 24 Aug 2019 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	104068		
182	94.1	46.7	140.1	
145	34.4	16.8	50.3	

