

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082619\
 Data File : VN057540.D
 Acq On : 27 Aug 2019 4:00
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 8/27/2019 5:30:53 PM

Quant Time: Aug 27 09:26:32 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	335661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	639095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	573720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	212990	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	322896	54.68	ug/l	0.00
Spiked Amount			Recovery	=	109.36%	
35) Dibromofluoromethane	7.57	113	219629	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
50) Toluene-d8	10.09	98	874241	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
62) 4-Bromofluorobenzene	12.40	95	287810	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	176038	44.443	ug/l	98
3) Chloromethane	2.04	50	242992	42.952	ug/l	95
4) Vinyl Chloride	2.17	62	315740	45.853	ug/l	99
5) Bromomethane	2.54	94	188188	44.347	ug/l	98
6) Chloroethane	2.68	64	204998	46.282	ug/l	97
7) Trichlorofluoromethane	3.00	101	480066	44.915	ug/l	99
8) Diethyl Ether	3.39	74	174432	48.478	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.73	101	258735	48.326	ug/l	98
10) Methyl Iodide	3.92	142	202806	46.468	ug/l	99
11) Tert butyl alcohol	4.79	59	155303	211.688	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	257286	45.032	ug/l	99
13) Acrolein	3.58	56	193486	299.930	ug/l	99
14) Allyl chloride	4.29	41	324246	42.852	ug/l	95
15) Acrylonitrile	4.97	53	489075	247.197	ug/l	98
16) Acetone	3.79	43	515024	189.929	ug/l	95
17) Carbon Disulfide	4.02	76	410209	37.639	ug/l	99
18) Methyl Acetate	4.30	43	296844	50.740	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	632424	45.855	ug/l	100
20) Methylene Chloride	4.53	84	187328	46.589	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	183319	45.469	ug/l	98
22) Diisopropyl ether	5.93	45	773073	47.690	ug/l	97
23) Vinyl Acetate	5.87	43	2908900	229.748	ug/l	99
24) 1,1-Dichloroethane	5.82	63	412618	48.030	ug/l	99
25) 2-Butanone	6.82	43	689753	234.250	ug/l	100
26) 2,2-Dichloropropane	6.80	77	241914	32.517	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	226743	47.443	ug/l	96
28) Bromochloromethane	7.18	49	248790	53.776	ug/l	98
29) Tetrahydrofuran	7.20	42	461994	237.945	ug/l	99
30) Chloroform	7.36	83	409017	51.315	ug/l	98
31) Cyclohexane	7.64	56	380662	45.893	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	348655	47.312	ug/l	100
36) 1,1-Dichloropropene	7.78	75	293719	44.978	ug/l	98
37) Ethyl Acetate	6.91	43	299440	46.405	ug/l	100
38) Carbon Tetrachloride	7.76	117	276492	42.619	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	347696	44.831	ug/l	94
40) Benzene	8.03	78	882388	45.019	ug/l	100
41) Methacrylonitrile	7.16	41	153640	49.932	ug/l	87
42) 1,2-Dichloroethane	8.11	62	343347	45.496	ug/l	99
43) Isopropyl Acetate	8.16	43	518525	43.824	ug/l	99
44) Trichloroethene	8.82	130	199897	45.688	ug/l	94
45) 1,2-Dichloropropane	9.11	63	249345	45.171	ug/l	97
46) Dibromomethane	9.20	93	152220	47.040	ug/l	99
47) Bromodichloromethane	9.40	83	322750	44.319	ug/l	100
48) Methyl methacrylate	9.19	41	247623	44.012	ug/l	97
49) 1,4-Dioxane	9.19	88	63573	873.776	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1510342	229.043	ug/l	100
52) Toluene	10.15	92	536477	47.490	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	324533	42.545	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	344141	40.520	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	211720	46.345	ug/l	99
56) Ethyl methacrylate	10.43	69	338352	47.082	ug/l	99
57) 1,3-Dichloropropane	10.70	76	380813	47.896	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	547287	271.845	ug/l	100
59) 2-Hexanone	10.75	43	1032338	228.251	ug/l	100
60) Dibromochloromethane	10.90	129	214561	44.443	ug/l	98
61) 1,2-Dibromoethane	11.00	107	214378	47.845	ug/l	99
64) Tetrachloroethene	10.63	164	184589	45.988	ug/l	97
65) Chlorobenzene	11.43	112	535985	46.215	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	196030	44.074	ug/l	99
67) Ethyl Benzene	11.51	91	1022914	45.568	ug/l	99
68) m/p-Xylenes	11.62	106	721717	94.538	ug/l	100
69) o-Xylene	11.95	106	355268	46.977	ug/l	100
70) Styrene	11.96	104	588681	49.160	ug/l	100
71) Bromoform	12.13	173	126711	42.143	ug/l #	98
73) Isopropylbenzene	12.25	105	969489	51.406	ug/l	100
74) N-amyl acetate	12.07	43	431242	48.349	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	279045	51.381	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	241815m	51.397	ug/l	
77) Bromobenzene	12.53	156	194179	49.669	ug/l	99
78) n-propylbenzene	12.59	91	1084925	50.078	ug/l	99
79) 2-Chlorotoluene	12.67	91	648409	51.095	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	789040	50.865	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	76489	39.177	ug/l	98
82) 4-Chlorotoluene	12.77	91	630722	49.702	ug/l	99
83) tert-Butylbenzene	12.99	119	673488	52.044	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	765631	46.238	ug/l	100
85) sec-Butylbenzene	13.17	105	885484	50.329	ug/l	99
86) p-Isopropyltoluene	13.29	119	749347	45.010	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	310113	45.076	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	303639	45.067	ug/l	98
89) n-Butylbenzene	13.62	91	640167	45.439	ug/l	99
90) Hexachloroethane	13.88	117	144483	46.114	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	307532	46.826	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47032	46.163	ug/l	97

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	100142	39.009	ug/l	98
94) Hexachlorobutadiene	15.01	225	84684	50.660	ug/l	98
95) Naphthalene	15.13	128	325269	39.396	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	100885	39.224	ug/l	99

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

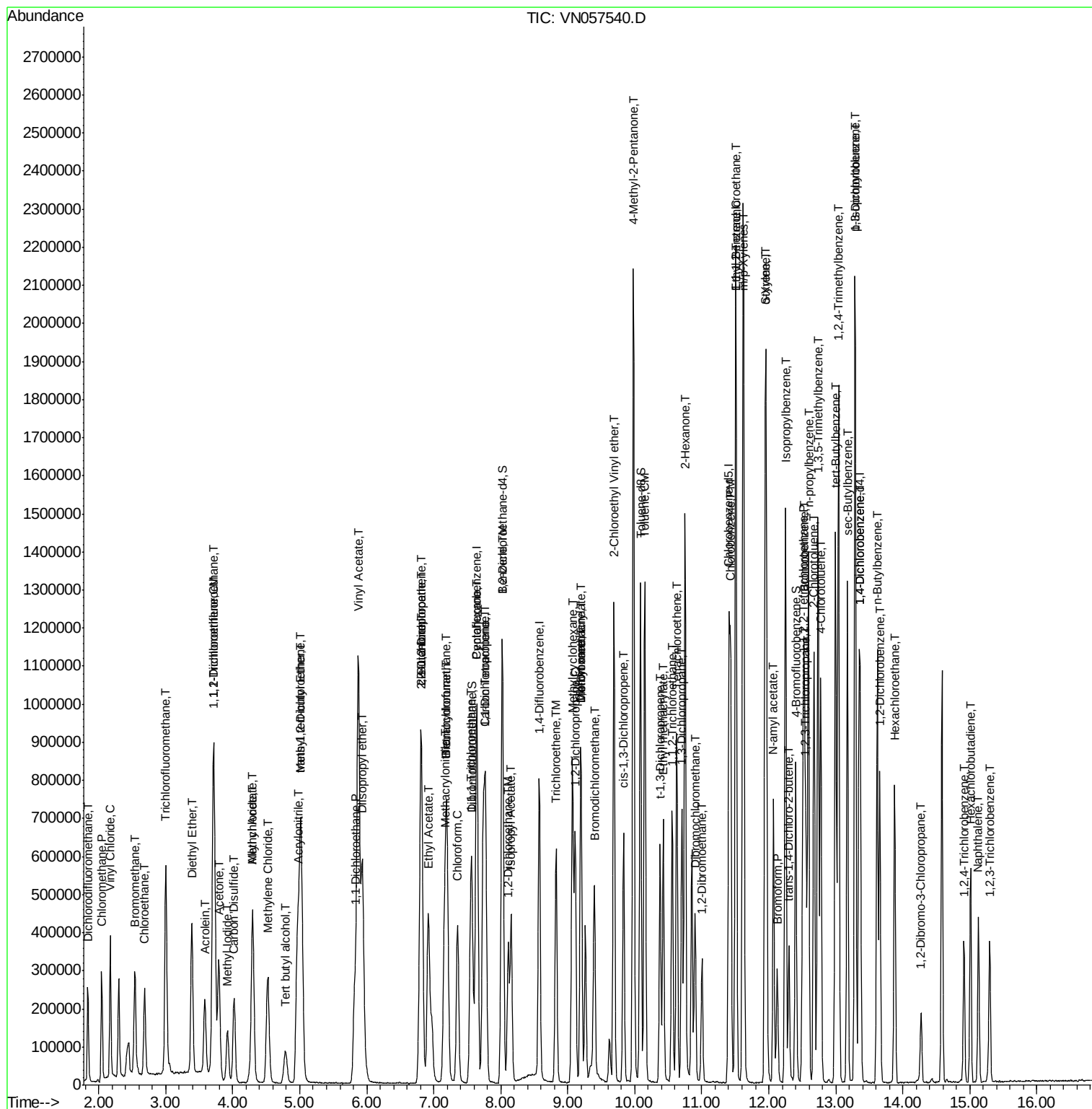
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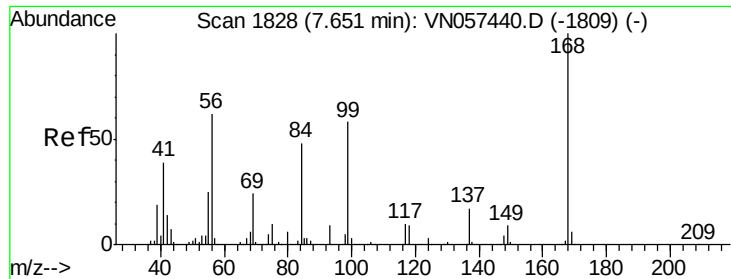
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 335661

Ion Ratio Lower Upper

168 100

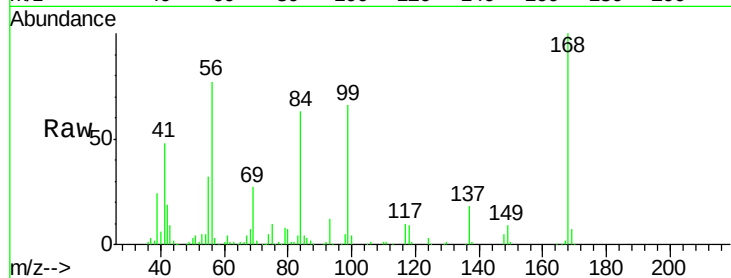
99 65.3 50.6 76.0

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

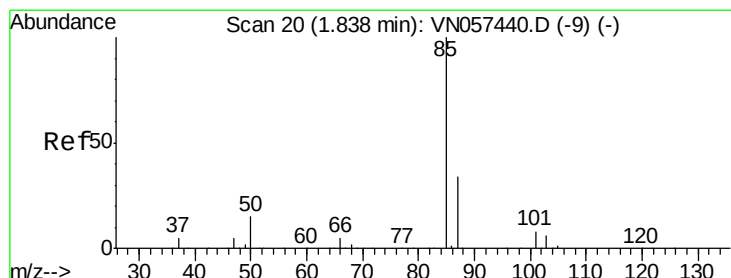
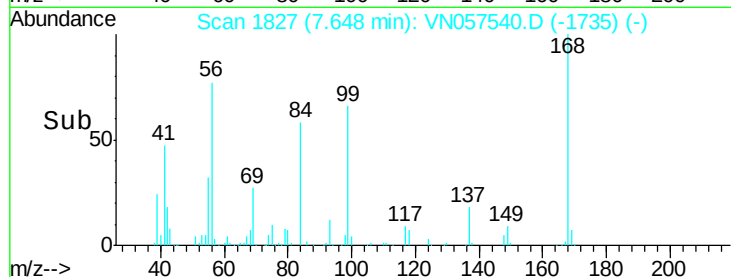
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 44.443 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057540.D

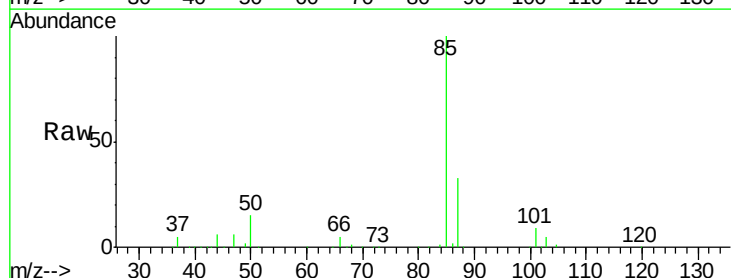
Acq: 27 Aug 2019 4:00

Tgt Ion: 85 Resp: 176038

Ion Ratio Lower Upper

85 100

87 32.8 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

150000

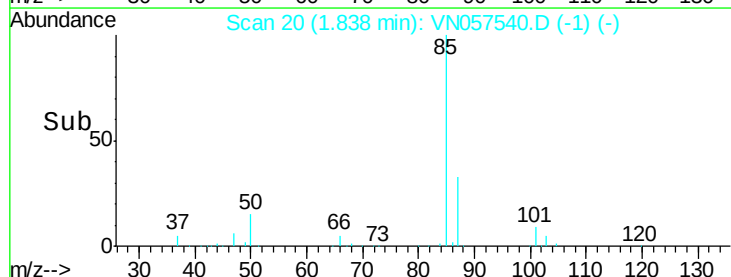
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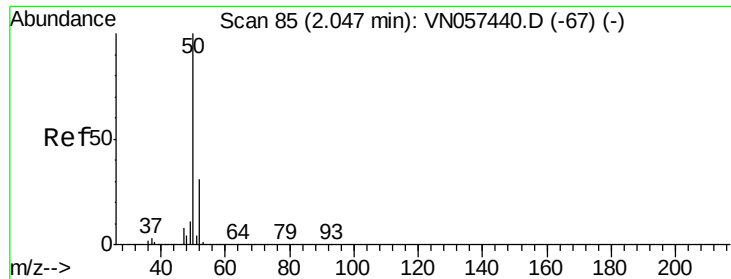
50000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 42.952 ug/l

RT: 2.04 min Scan# 84

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 242992

Ion Ratio Lower Upper

50 100

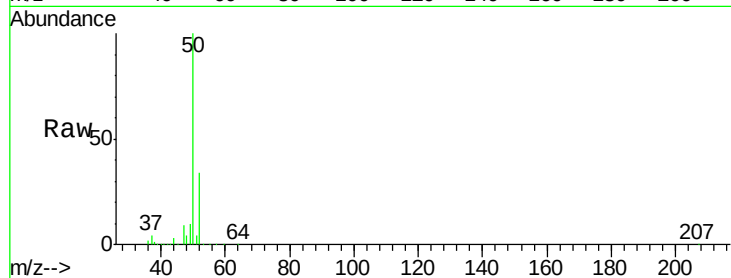
52 34.1 25.1 37.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

200000

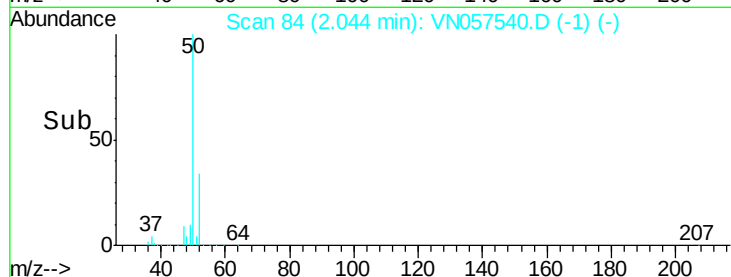
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100000

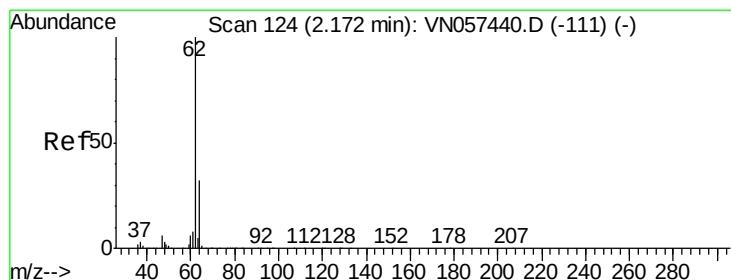
50000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 45.853 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057540.D

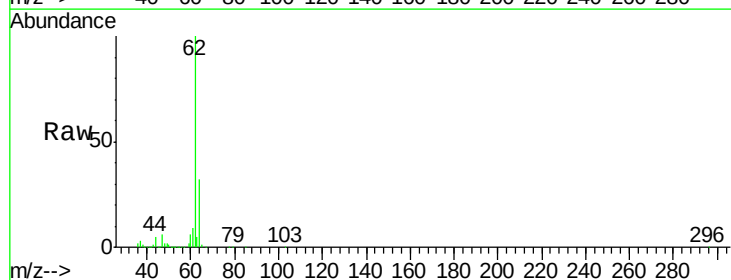
Acq: 27 Aug 2019 4:00

Tgt Ion: 62 Resp: 315740

Ion Ratio Lower Upper

62 100

64 31.9 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

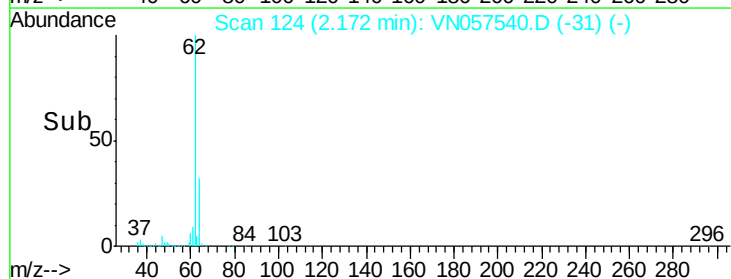
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100000

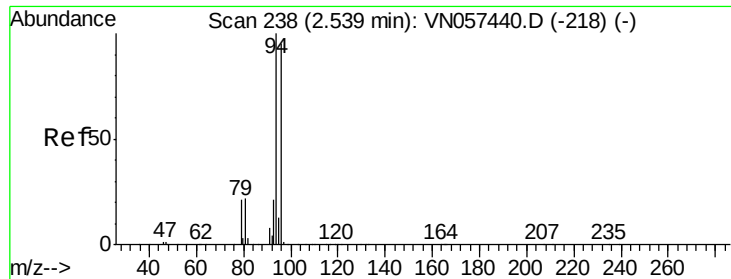
50000

0

Time-->



Time-->



#5

Bromomethane

Concen: 44.347 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 188188

Ion Ratio Lower Upper

94 100

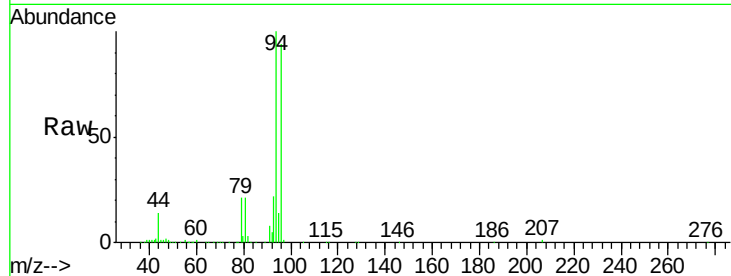
96 93.4 76.2 114.4

Manual Integrations

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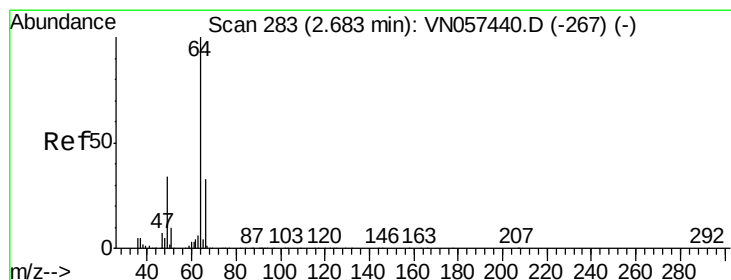
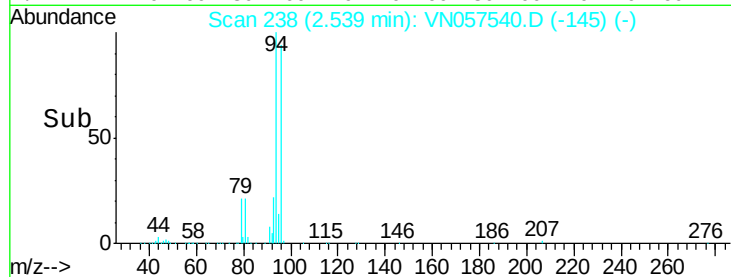
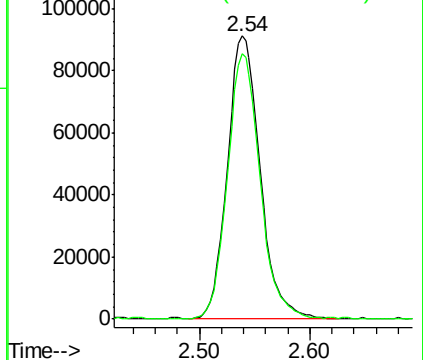
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.282 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN057540.D

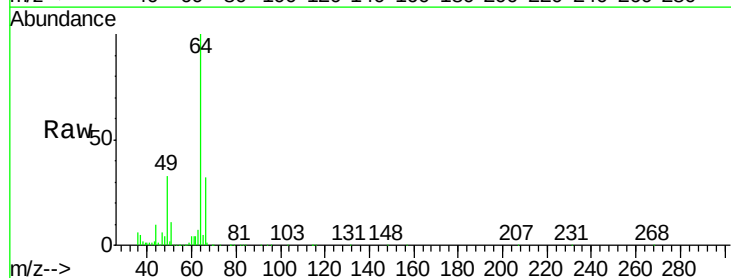
Acq: 27 Aug 2019 4:00

Tgt Ion: 64 Resp: 204998

Ion Ratio Lower Upper

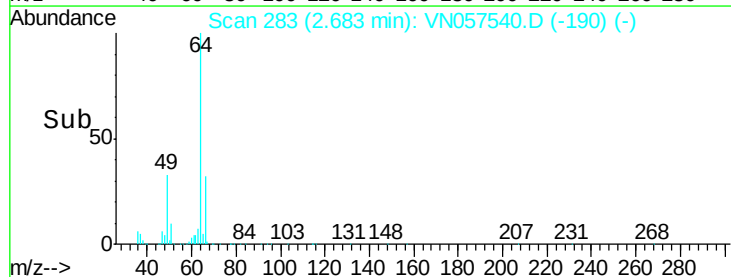
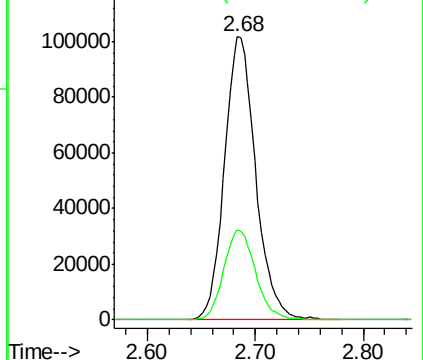
64 100

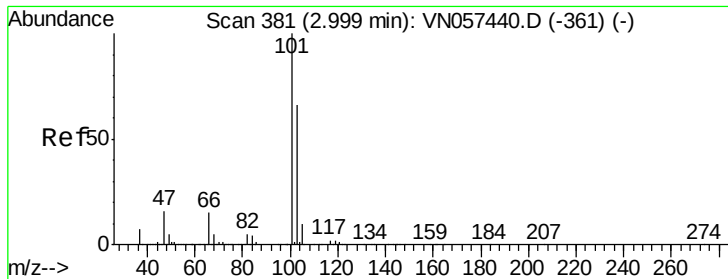
66 32.0 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

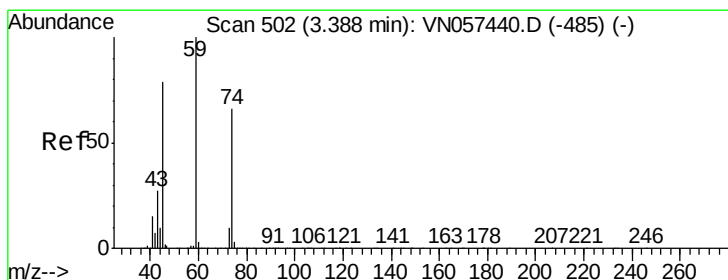
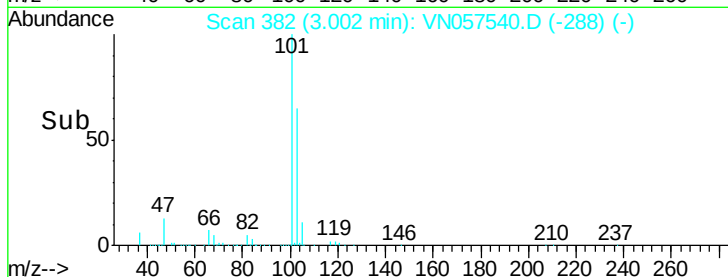
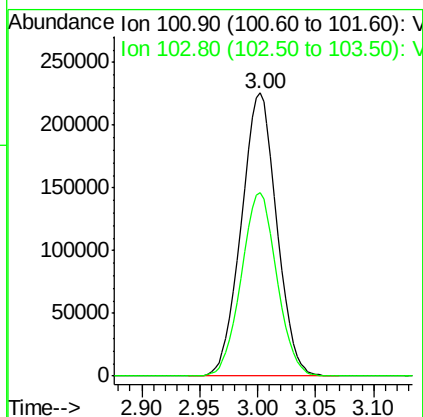
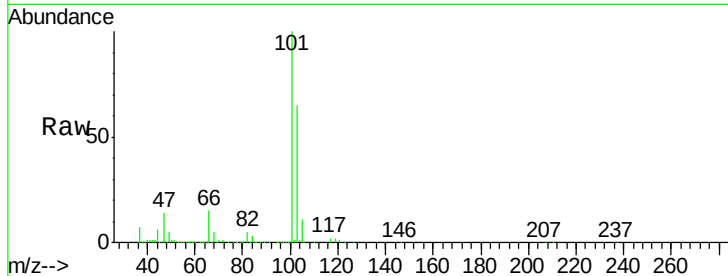
Trichlorofluoromethane
 Concen: 44.915 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.6	78.8

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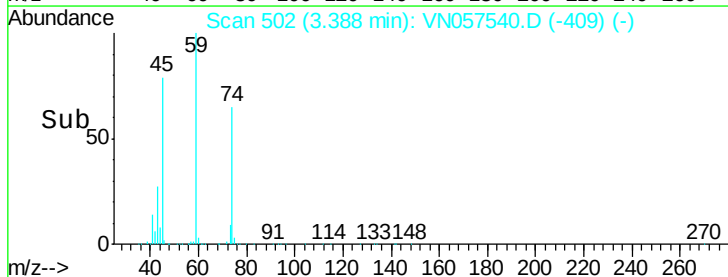
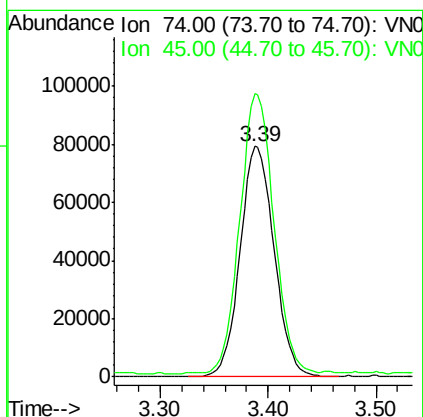
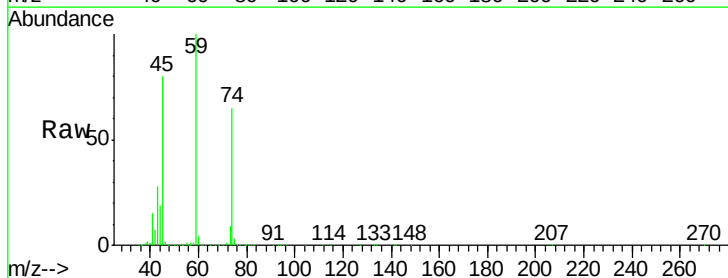
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 8/27/2019 5:30:53 PM

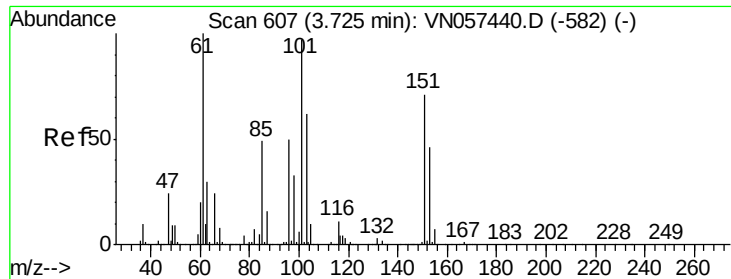


#8

Diethyl Ether
 Concen: 48.478 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.3	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.326 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

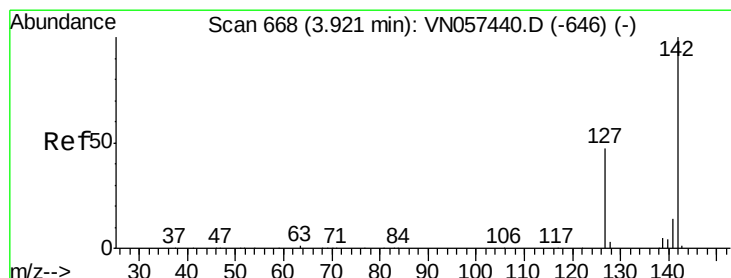
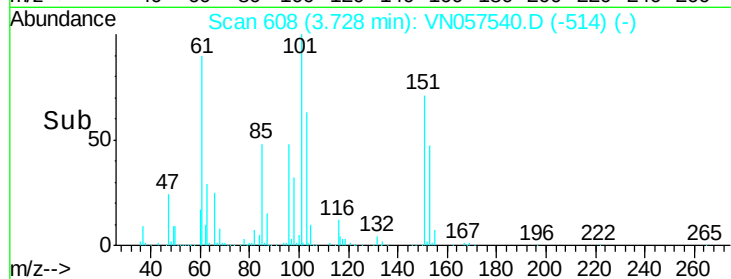
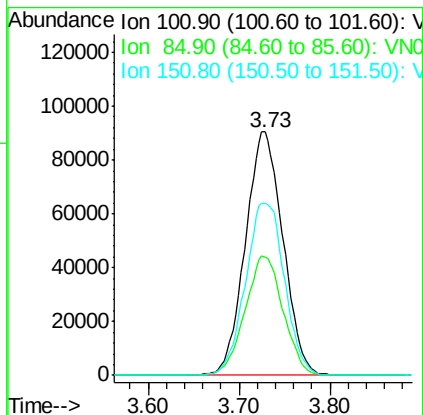
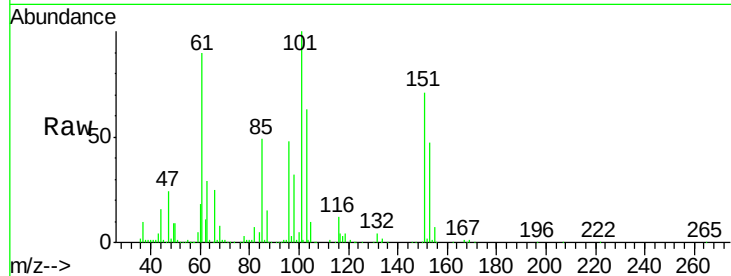
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	258735
Ion Ratio	Lower	Upper	
101	100		
85	49.8	40.0	60.0
151	73.5	57.0	85.6

Manual Integrations
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#10

Methyl Iodide

Concen: 46.468 ug/l

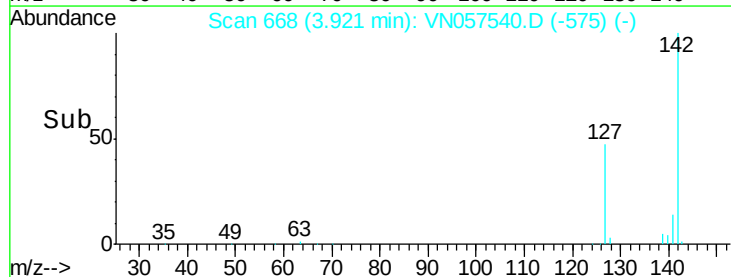
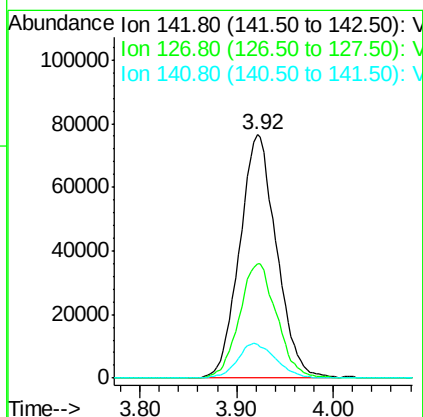
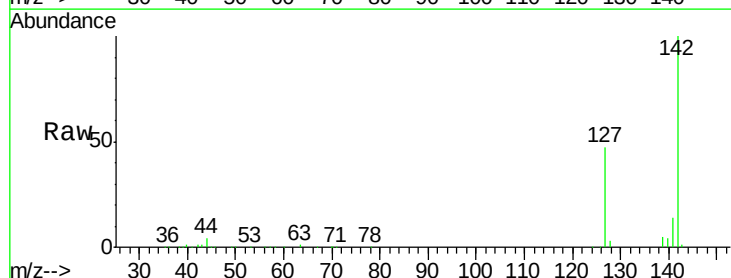
RT: 3.92 min Scan# 668

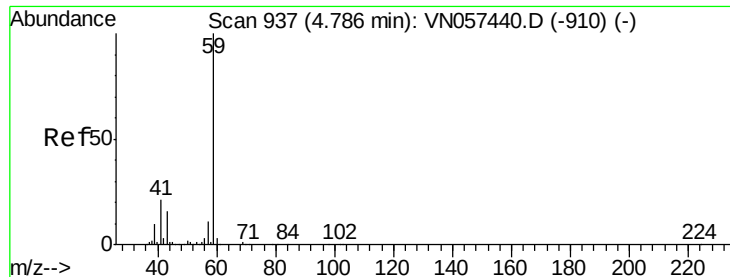
Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Tgt Ion:	142	Resp:	202806
Ion Ratio	Lower	Upper	
142	100		
127	47.8	37.8	56.8
141	14.8	11.9	17.9





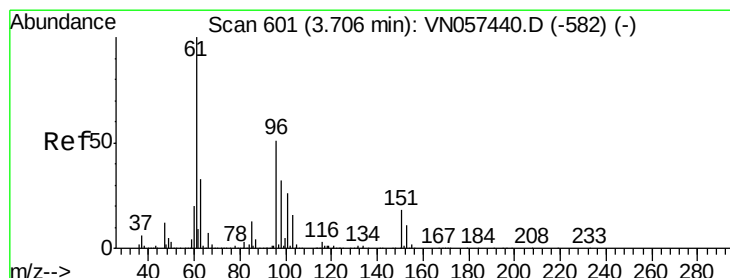
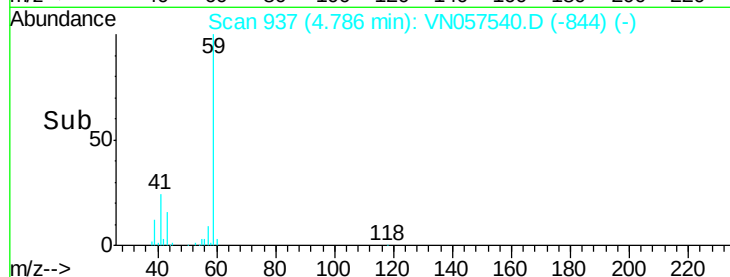
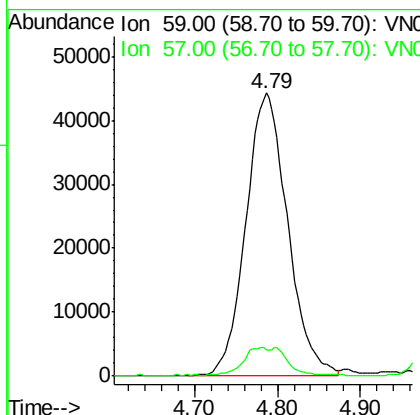
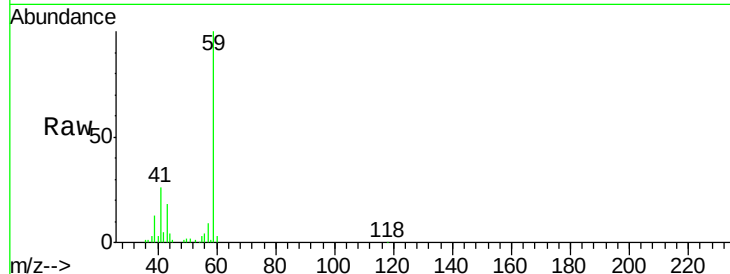
#11
Tert butyl alcohol
Concen: 211.688 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	155303		
57	6.3	9.1	13.7#	

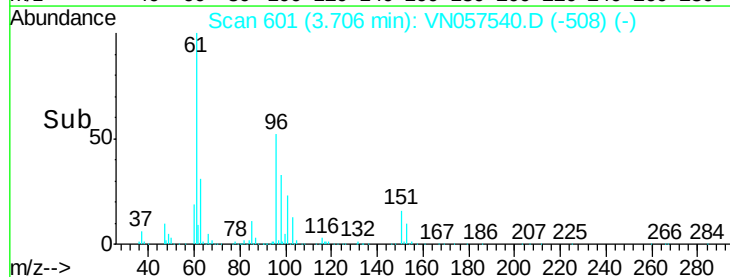
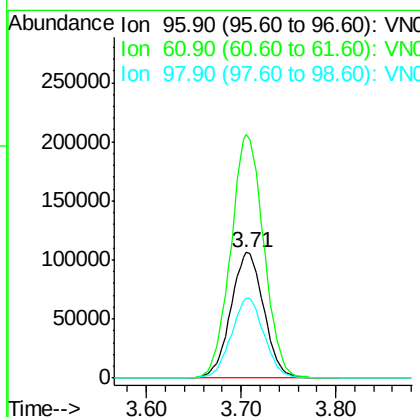
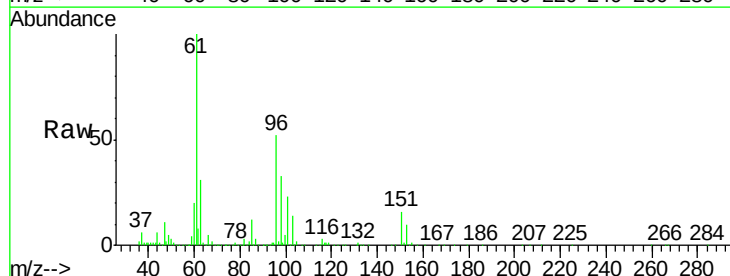
Manual Integrations
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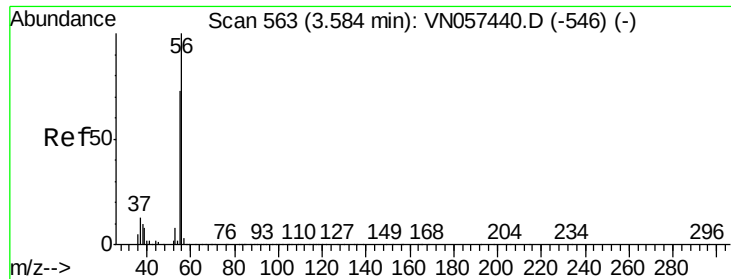
MMDadoda
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#12
1,1-Dichloroethene
Concen: 45.032 ug/l
RT: 3.71 min Scan# 601
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	257286		
61	193.7	155.3	232.9	
98	63.8	50.2	75.2	





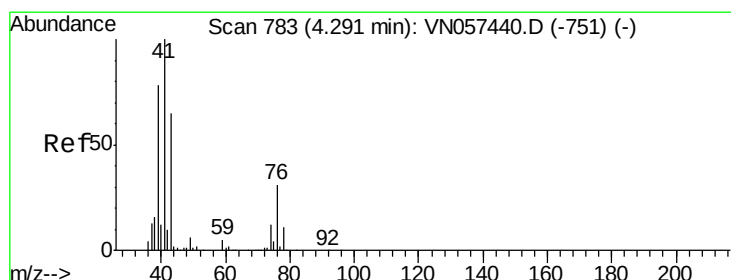
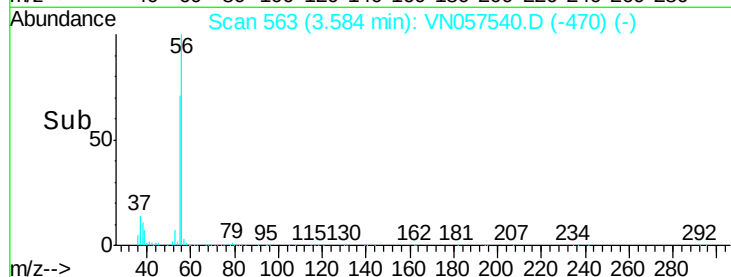
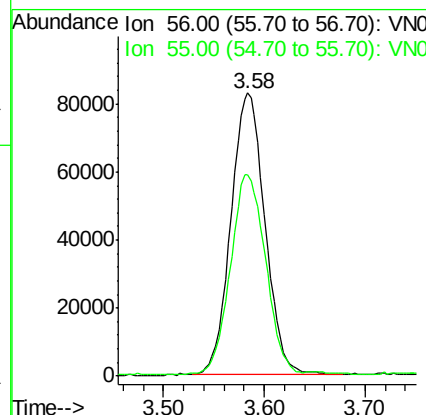
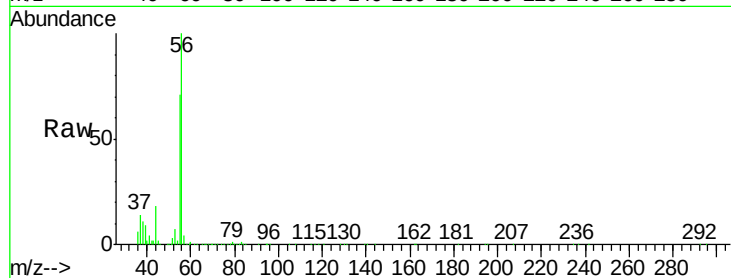
#13
Acrolein
Concen: 299.930 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	73.3	59.0	88.4	

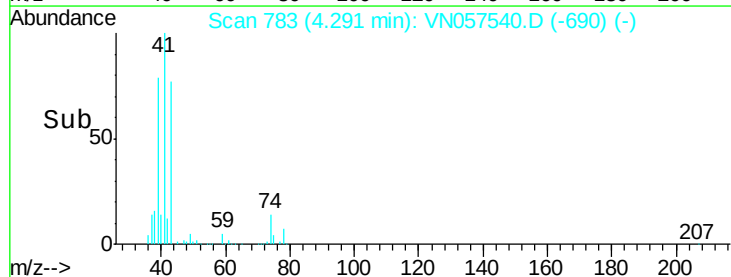
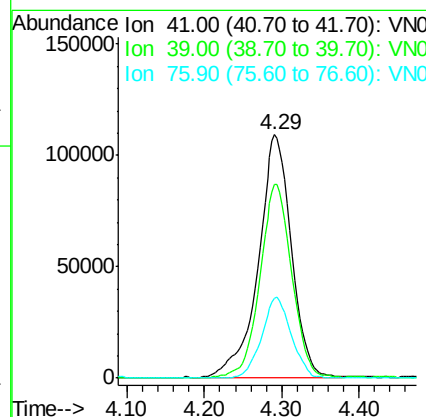
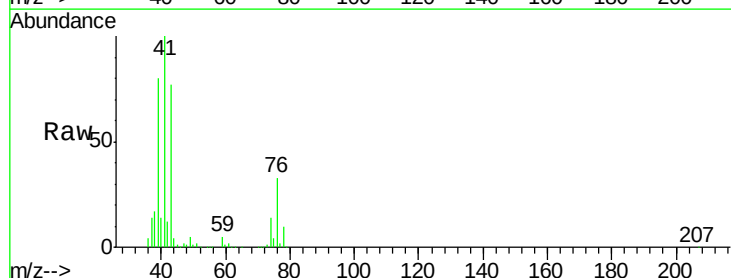
Manual Integrations
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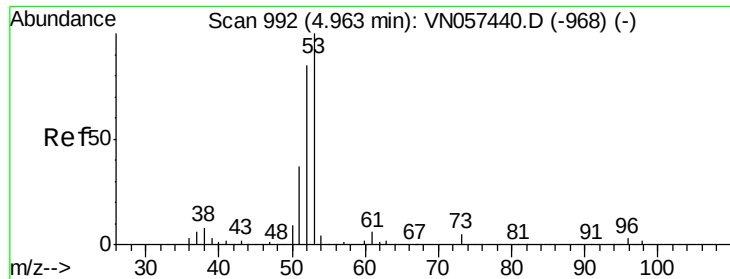
MMDadoda
8/27/2019 5:30:53 PM



#14
Allyl chloride
Concen: 42.852 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	76.3	57.4	86.2	
76	29.9	22.9	34.3	





#15

Acrylonitrile

Concen: 247.197 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

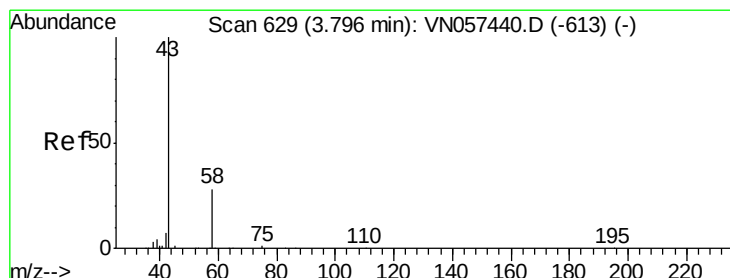
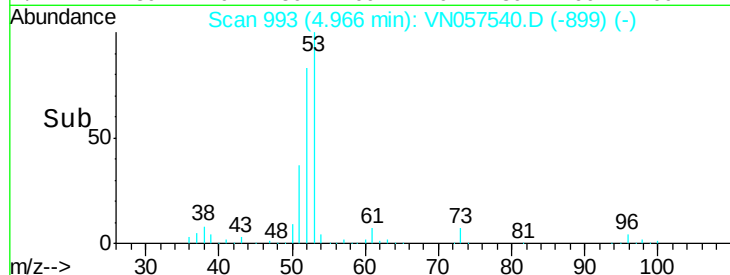
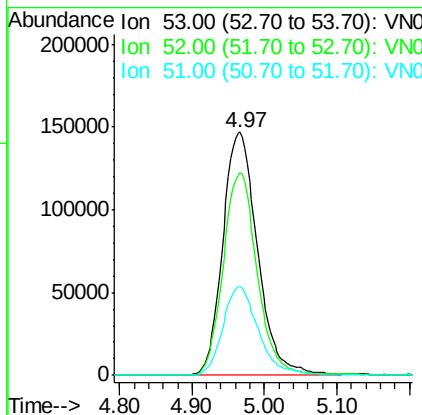
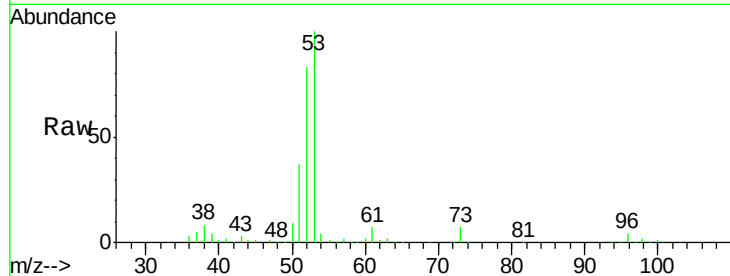
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	489075
Ion	Ratio	Lower	Upper
53	100		
52	81.8	67.0	100.6
51	37.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 189.929 ug/l

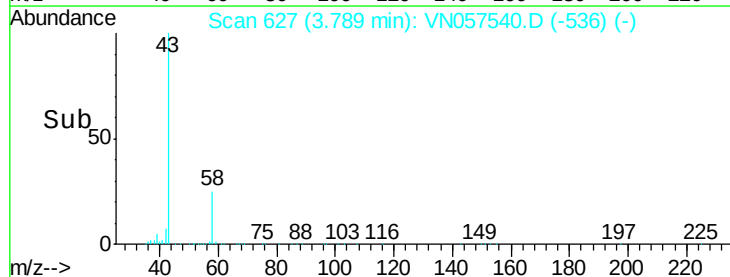
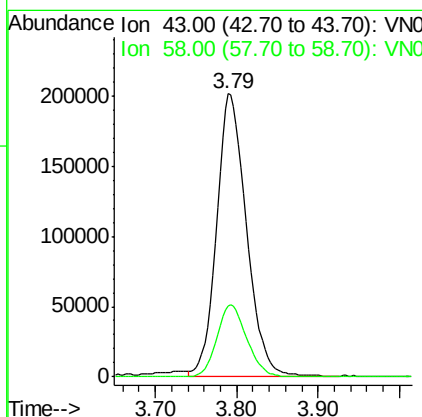
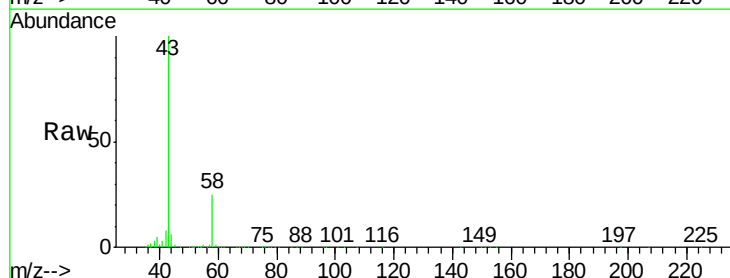
RT: 3.79 min Scan# 627

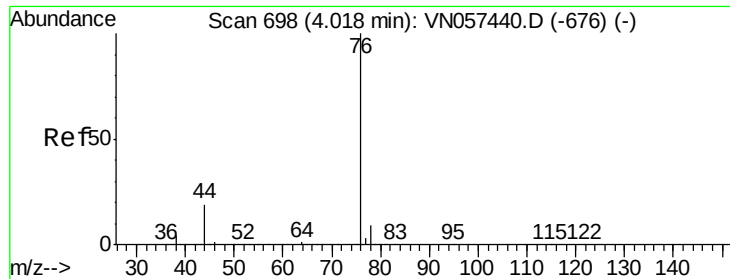
Delta R.T. -0.01 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Tgt Ion:	43	Resp:	515024
Ion	Ratio	Lower	Upper
43	100		
58	24.9	22.1	33.1





#17

Carbon Disulfide

Concen: 37.639 ug/l

RT: 4.02 min Scan# 699

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 410209

Ion Ratio Lower Upper

76 100

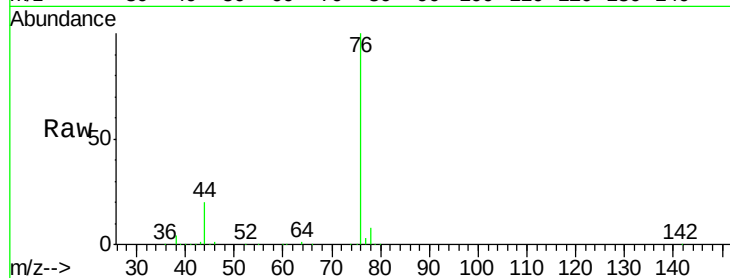
78 8.4 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.02

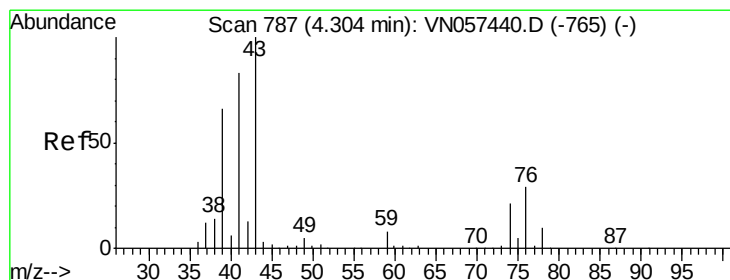
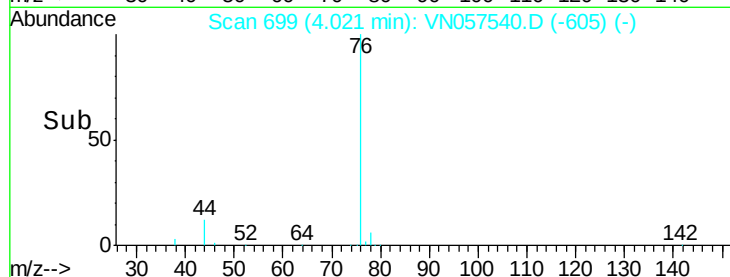
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.740 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057540.D

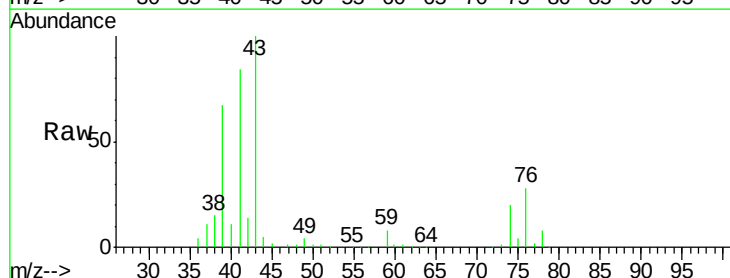
Acq: 27 Aug 2019 4:00

Tgt Ion: 43 Resp: 296844

Ion Ratio Lower Upper

43 100

74 19.3 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.30

120000

100000

80000

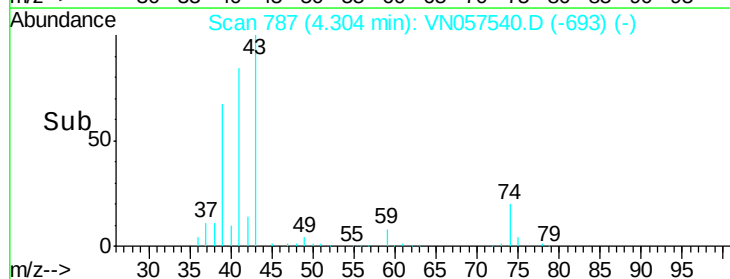
60000

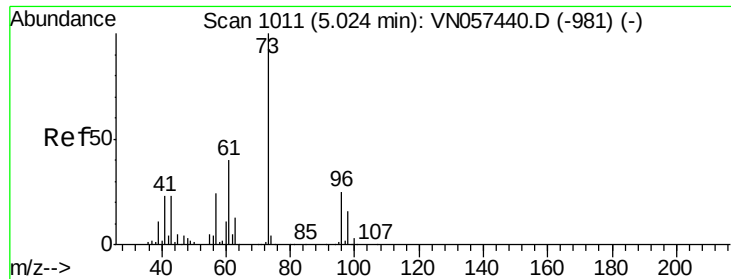
40000

20000

0

Time-->





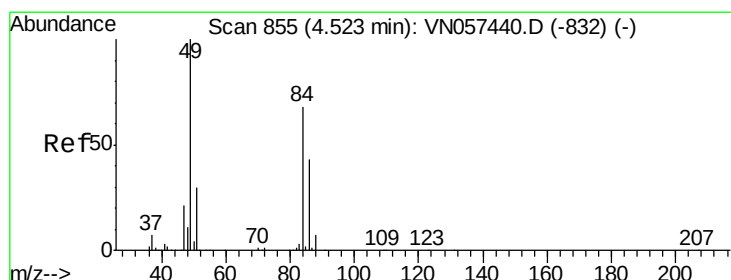
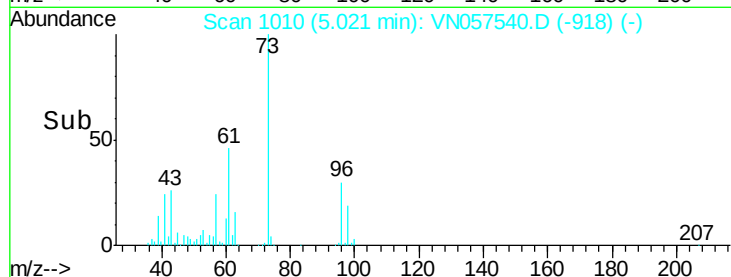
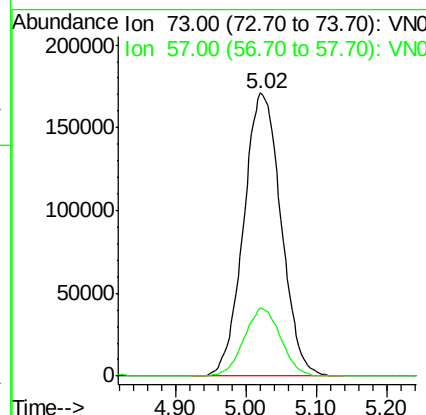
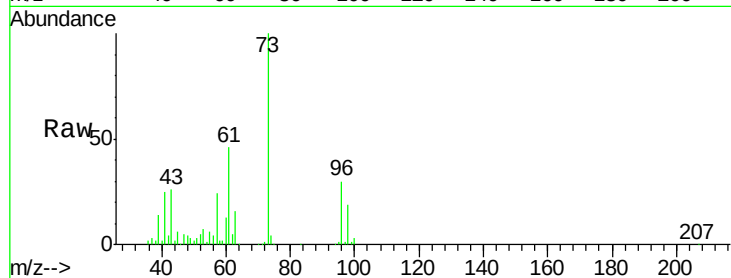
#19
Methyl tert-butyl Ether
Concen: 45.855 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 632424
Ion Ratio Lower Upper
73 100
57 23.9 19.1 28.7

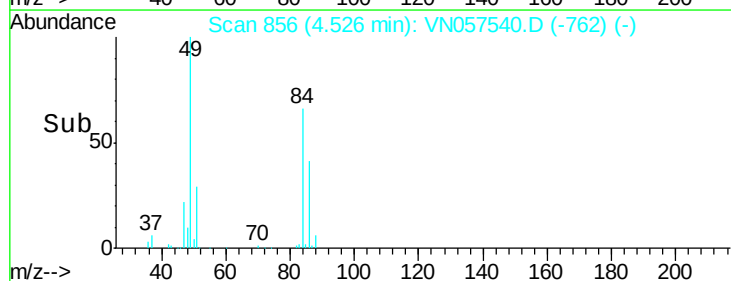
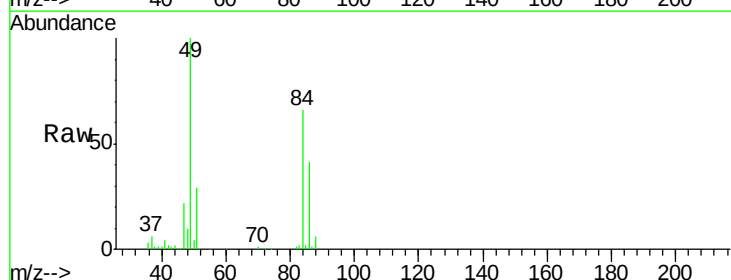
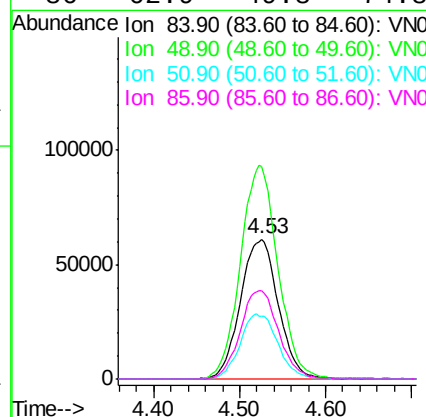
Manual Integrations
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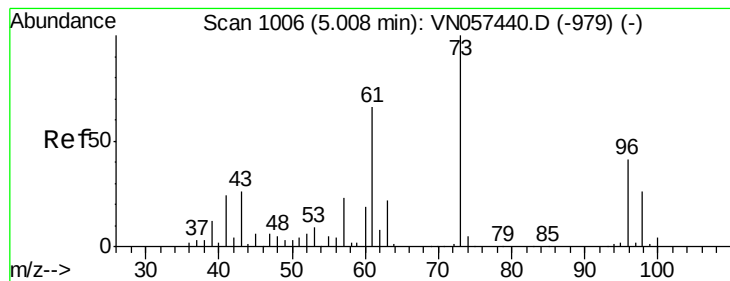
MMDadoda
8/27/2019 5:30:53 PM



#20
Methylene Chloride
Concen: 46.589 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion: 84 Resp: 187328
Ion Ratio Lower Upper
84 100
49 151.7 117.0 175.4
51 44.6 35.5 53.3
86 62.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 45.469 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 183319

Ion Ratio Lower Upper

96 100

61 158.5 127.9 191.9

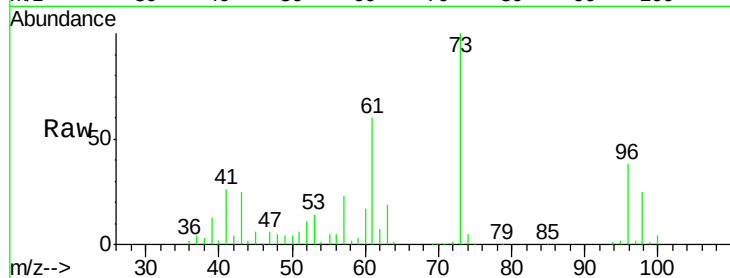
98 66.5 50.6 76.0

Manual Integrations

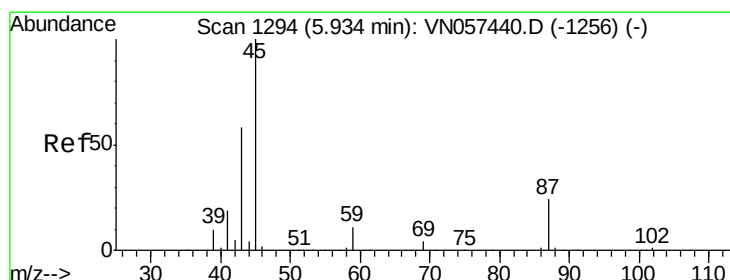
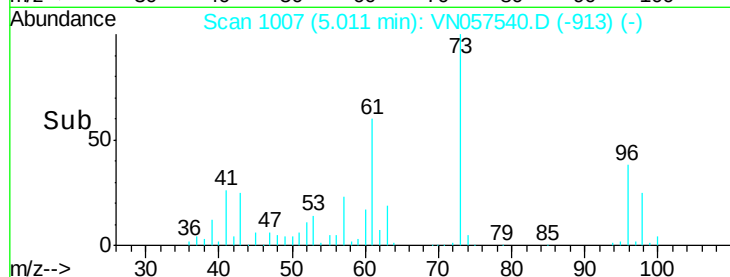
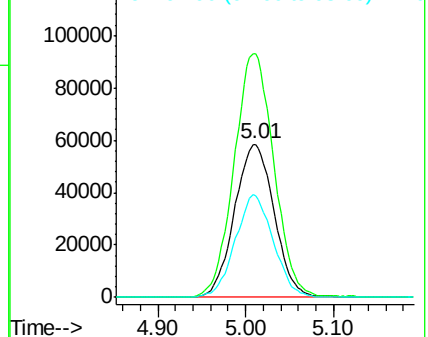
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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 47.690 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Tgt Ion: 45 Resp: 773073

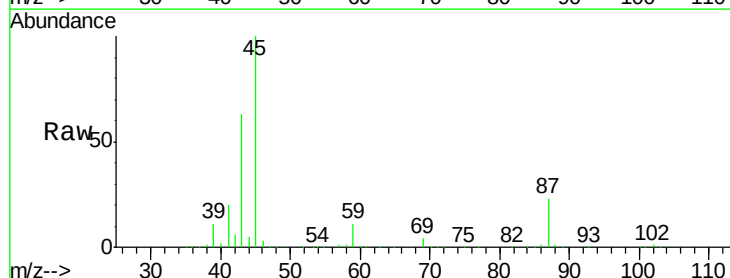
Ion Ratio Lower Upper

45 100

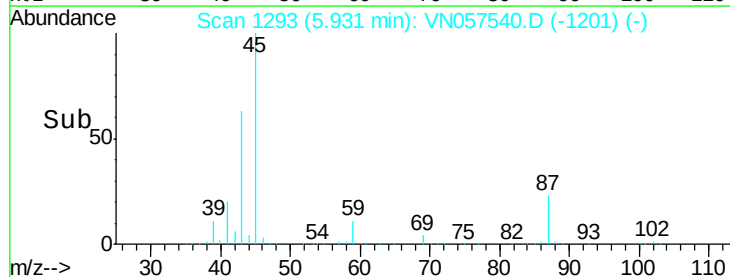
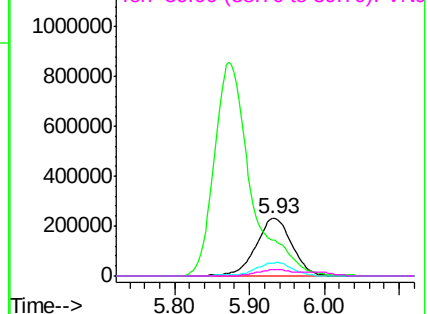
43 61.6 46.9 70.3

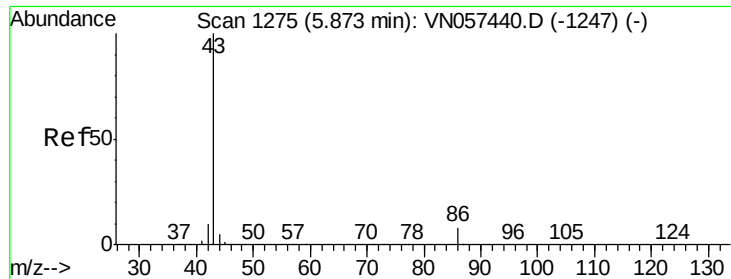
87 23.2 19.3 28.9

59 11.0 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: 229.748 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2908900

Ion Ratio Lower Upper

43 100

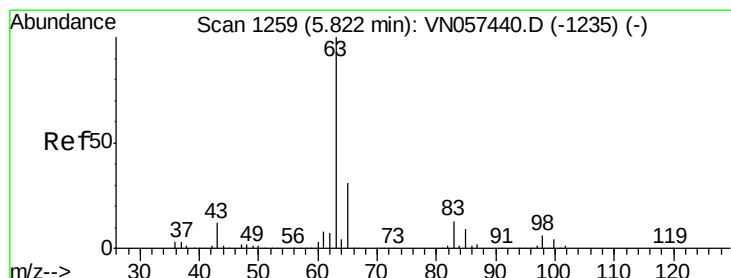
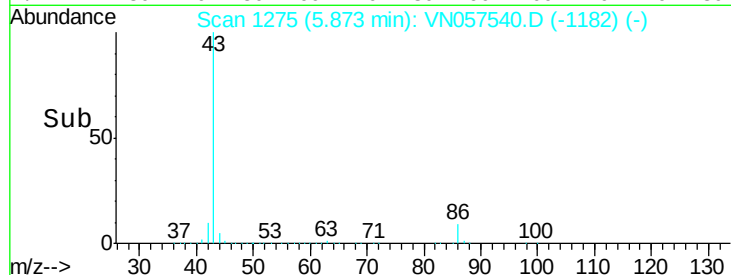
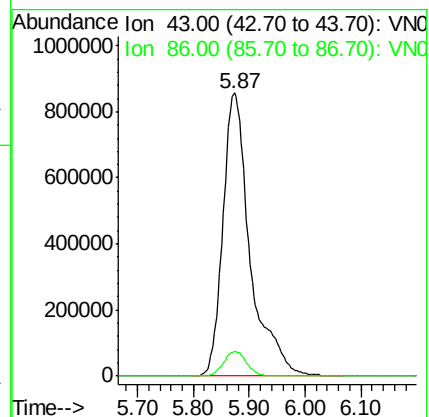
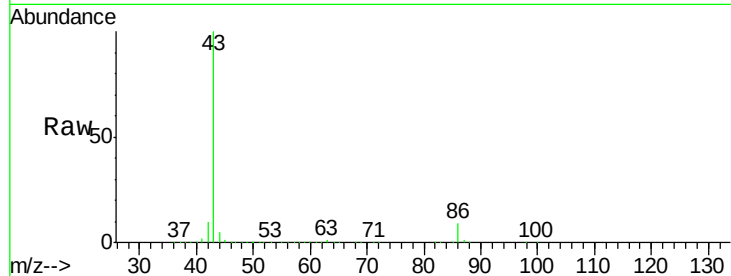
86 8.6 6.7 10.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.030 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

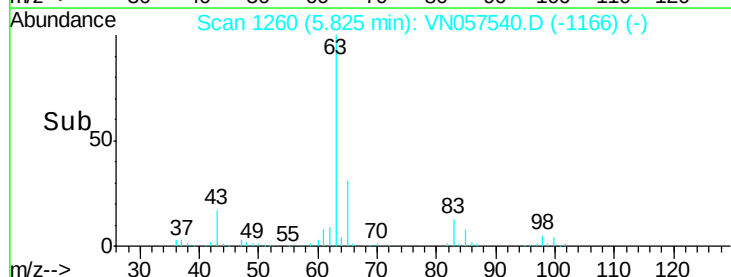
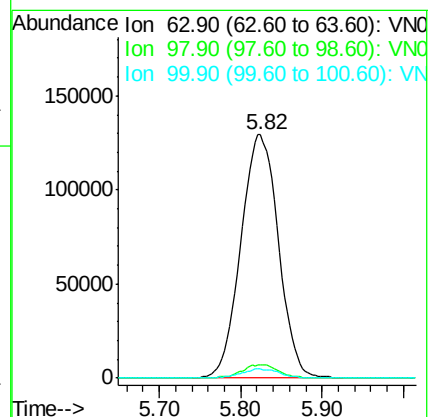
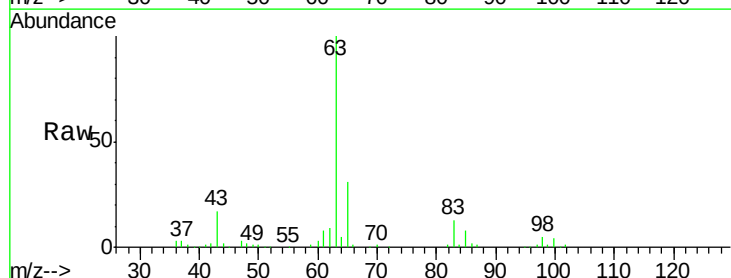
Tgt Ion: 63 Resp: 412618

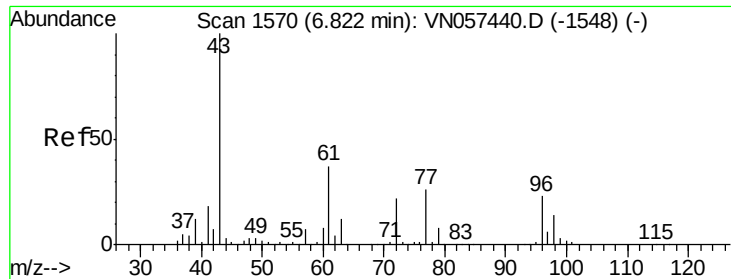
Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.6

100 3.7 2.1 6.3





#25

2-Butanone

Concen: 234.250 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 689753

Ion Ratio Lower Upper

43 100

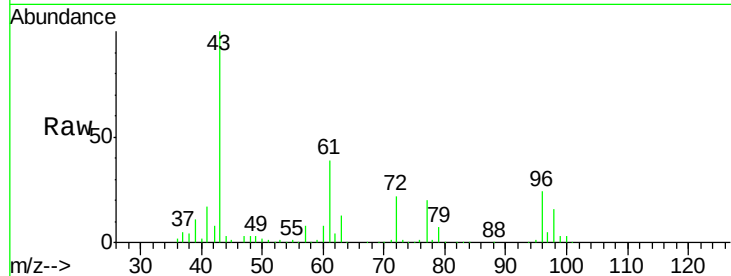
72 22.5 17.8 26.8

Manual Integrations

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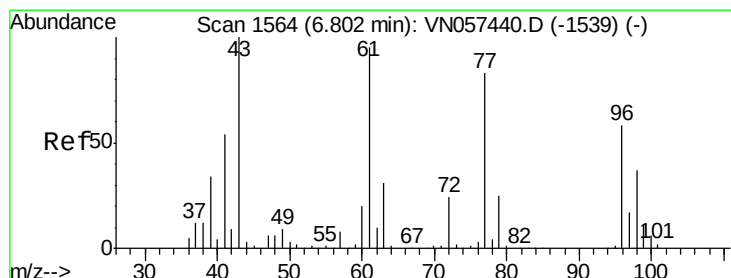
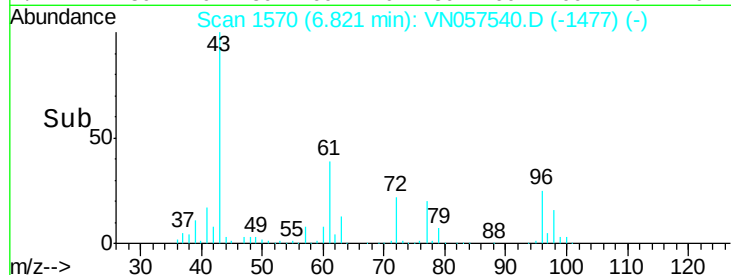
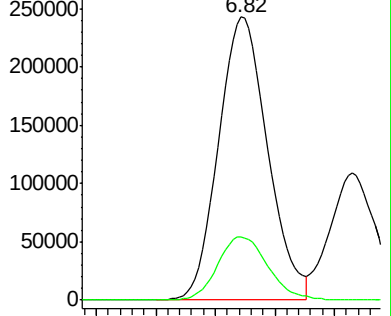
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 32.517 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN057540.D

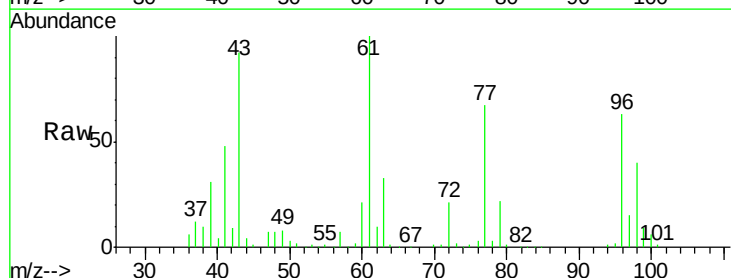
Acq: 27 Aug 2019 4:00

Tgt Ion: 77 Resp: 241914

Ion Ratio Lower Upper

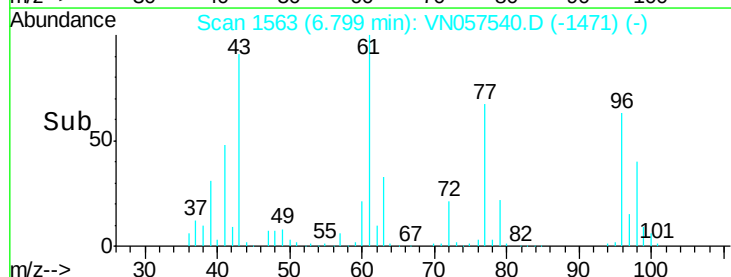
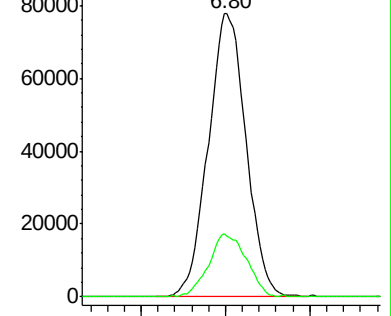
77 100

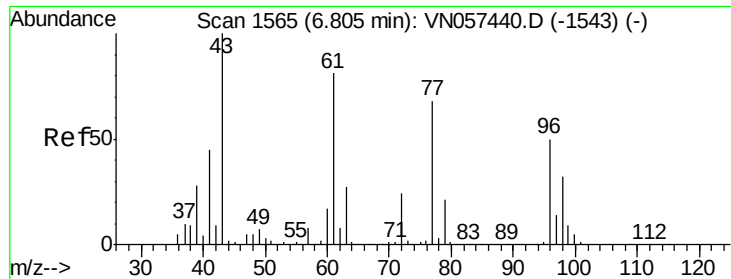
97 22.3 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





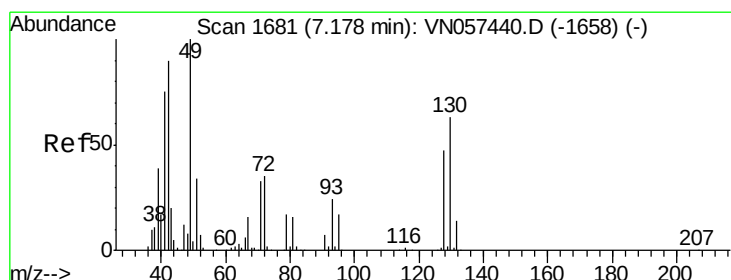
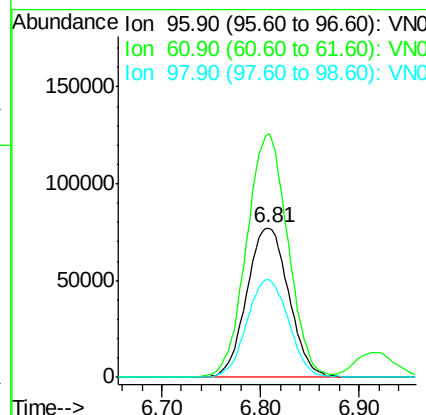
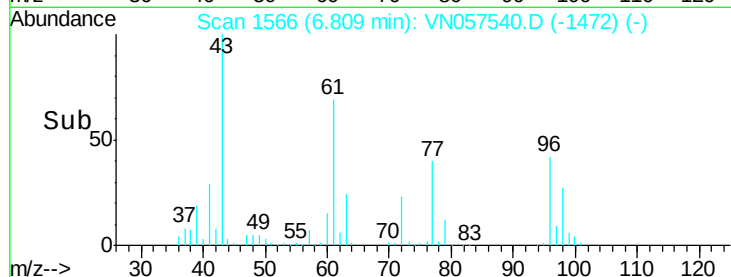
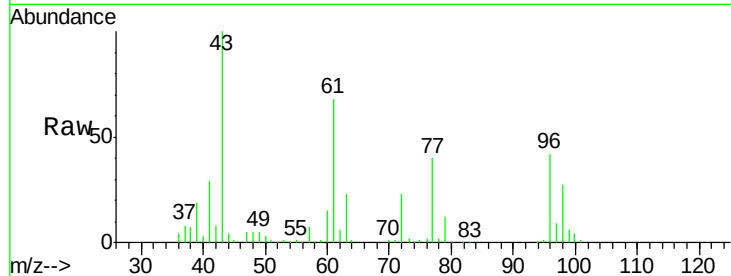
#27
 cis-1,2-Dichloroethene
 Concen: 47.443 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.6	0.0	334.8
98	65.0	0.0	127.4

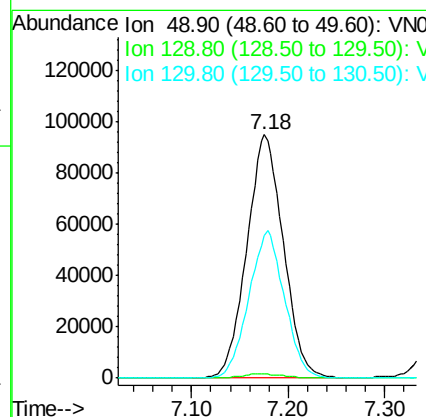
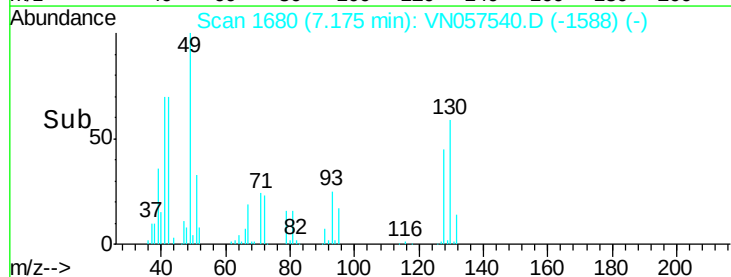
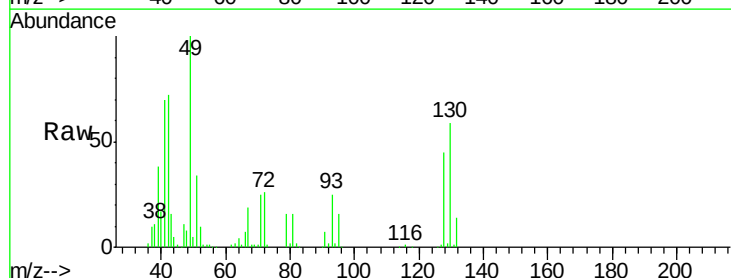
Manual Integrations
 APPROVED

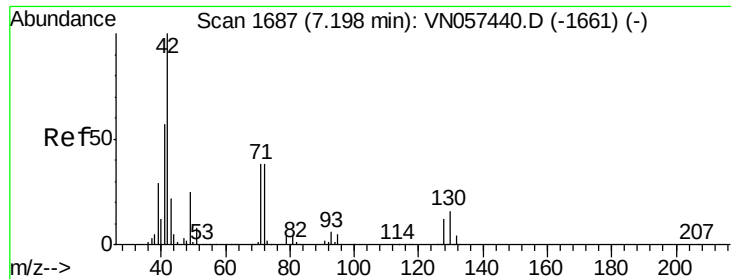
MMDadoda
 8/27/2019 5:30:53 PM



#28
 Bromochloromethane
 Concen: 53.776 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	58.9	48.6	72.8





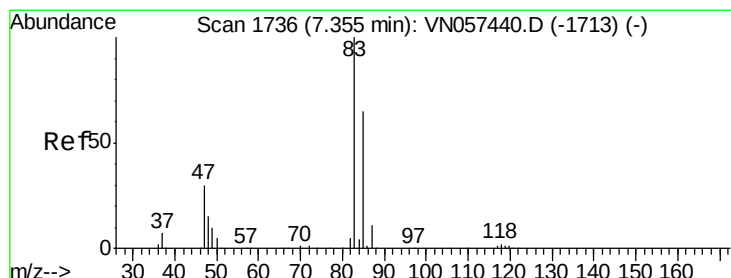
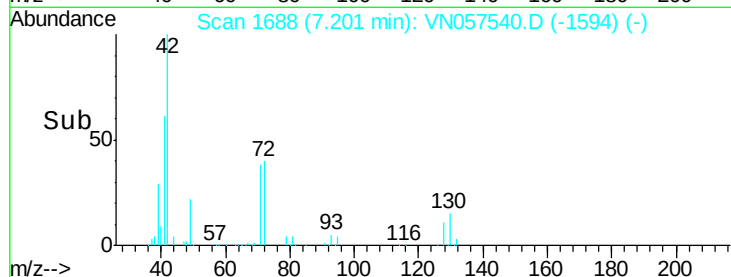
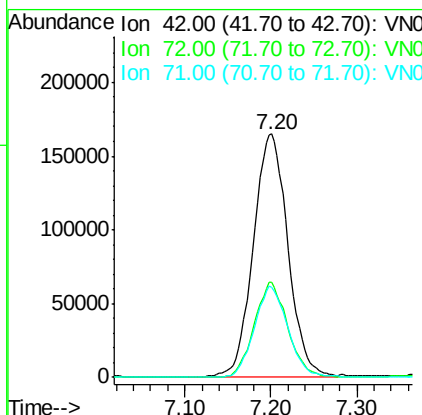
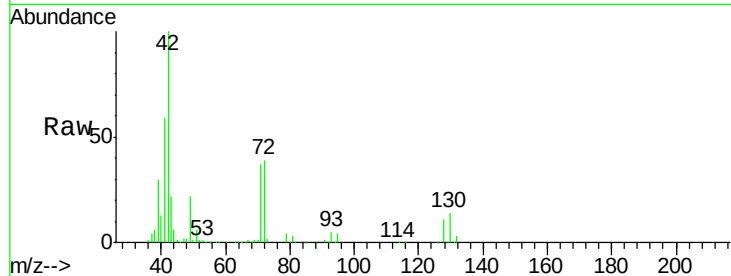
#29
Tetrahydrofuran
Concen: 237.945 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.1	45.1
71	36.3	28.8	43.2

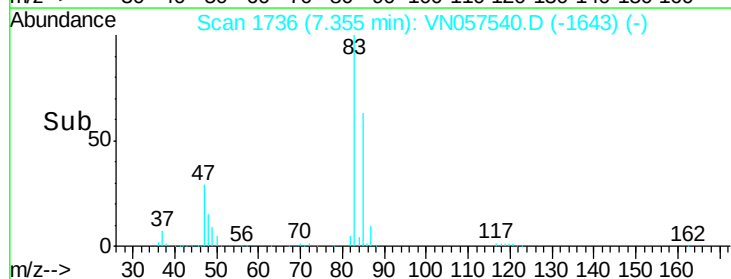
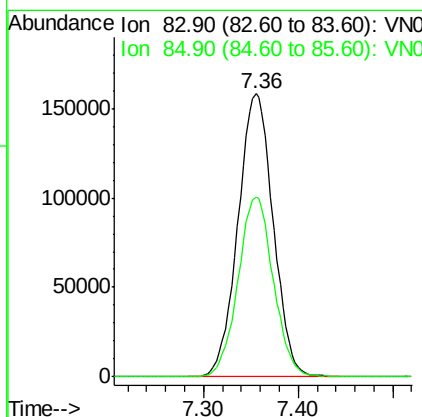
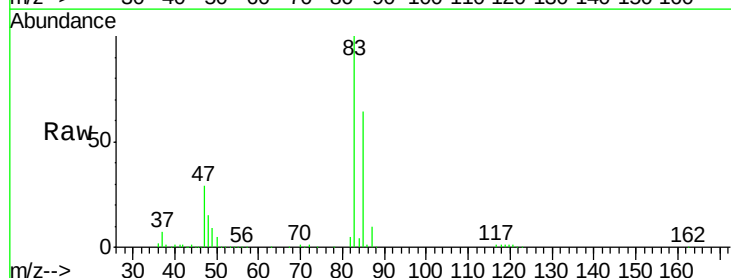
Manual Integrations
APPROVED

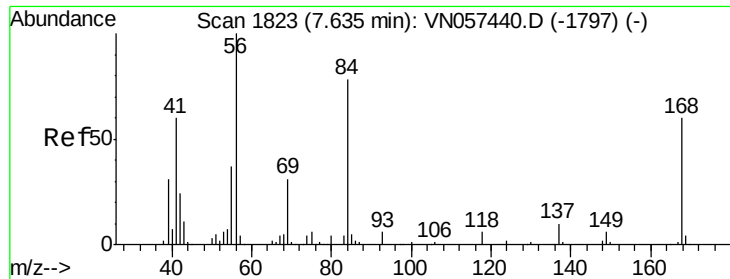
MMDadoda
8/27/2019 5:30:53 PM



#30
Chloroform
Concen: 51.315 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.9	77.9





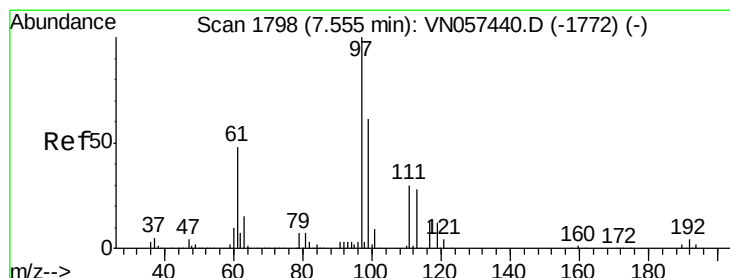
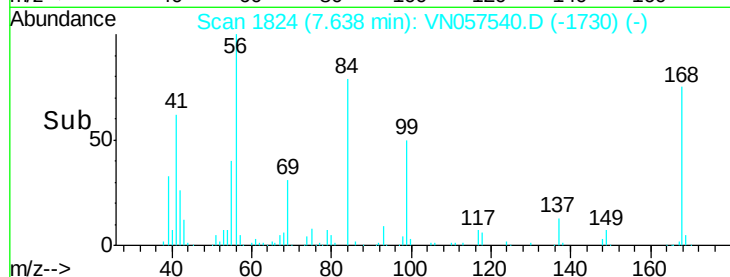
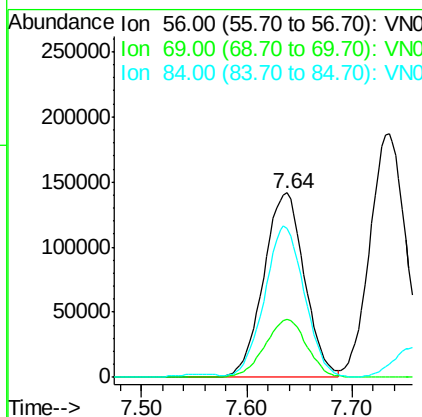
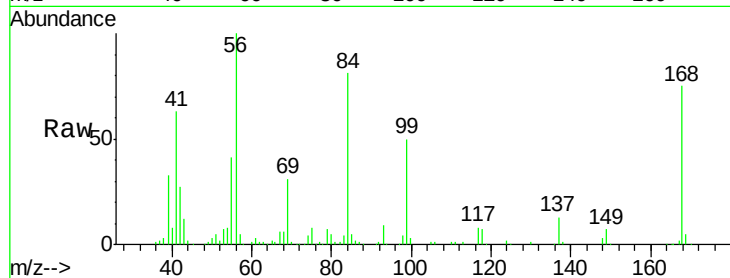
#31
Cyclohexane
Concen: 45.893 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.0	37.6
84	79.4	62.5	93.7

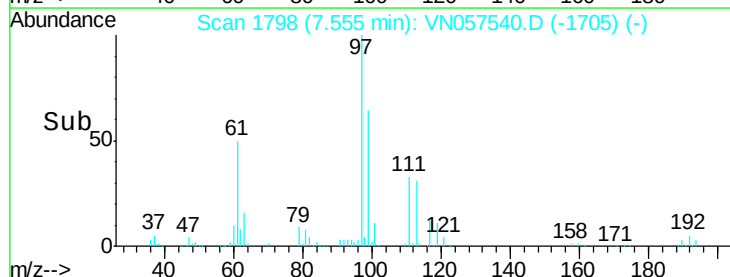
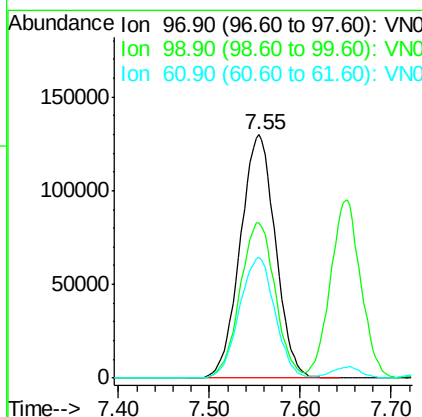
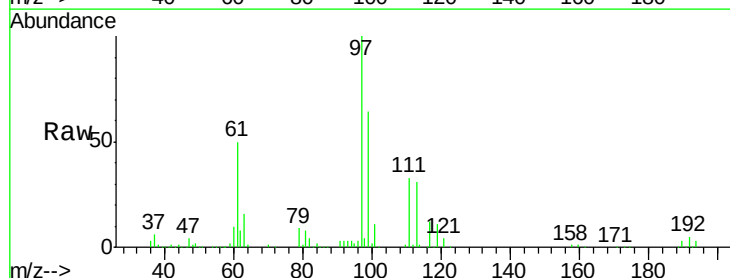
Manual Integrations
APPROVED

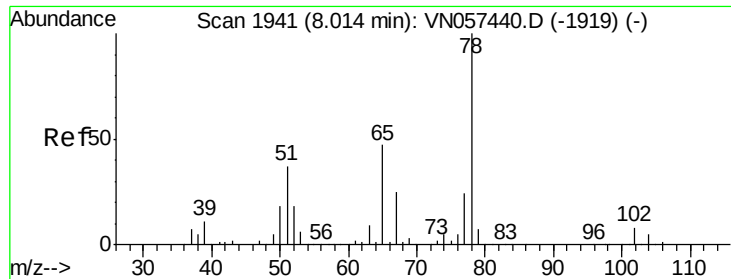
MMDadoda
8/27/2019 5:30:53 PM



#32
1,1,1-Trichloroethane
Concen: 47.312 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.6
61	49.6	39.8	59.6





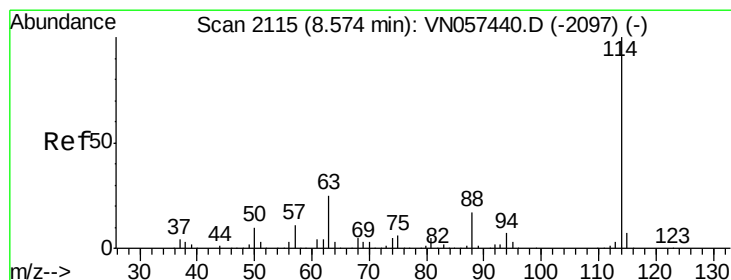
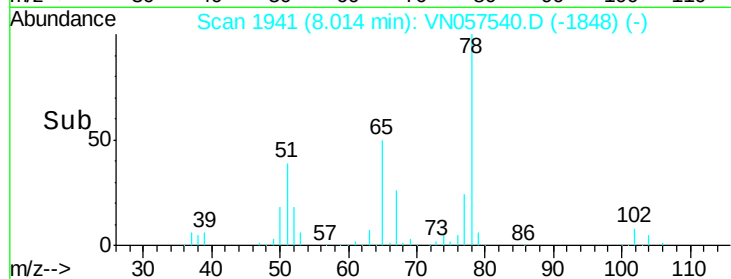
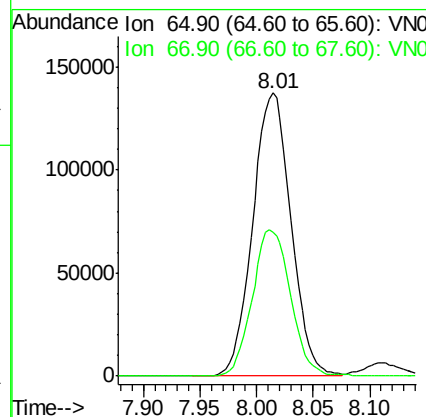
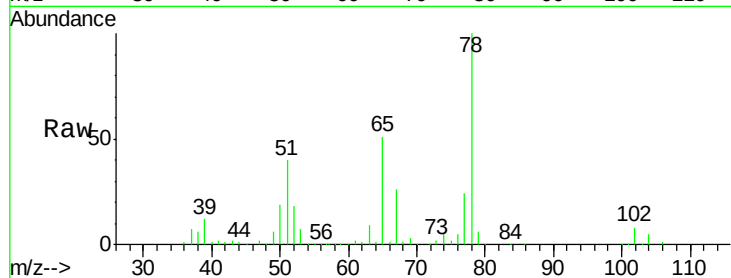
#33
 1,2-Dichloroethane-d4
 Concen: 54.685 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	322896		
67	51.8	0.0	103.8	

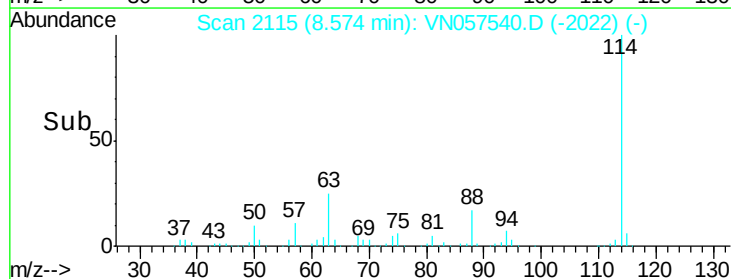
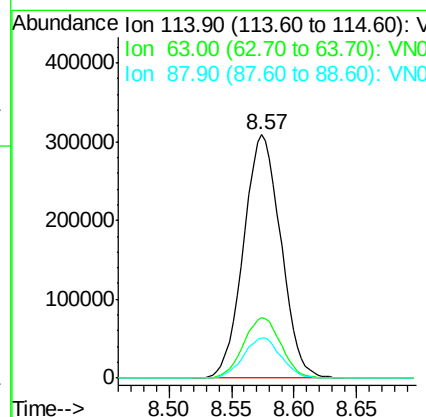
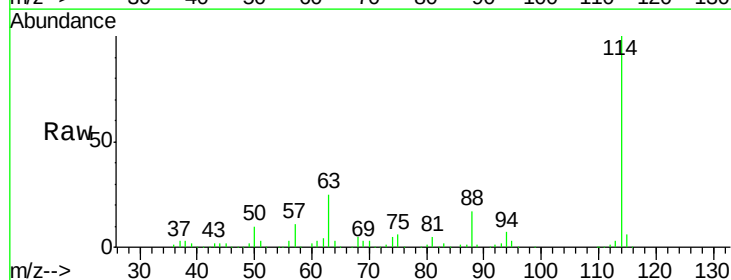
Manual Integrations
 APPROVED

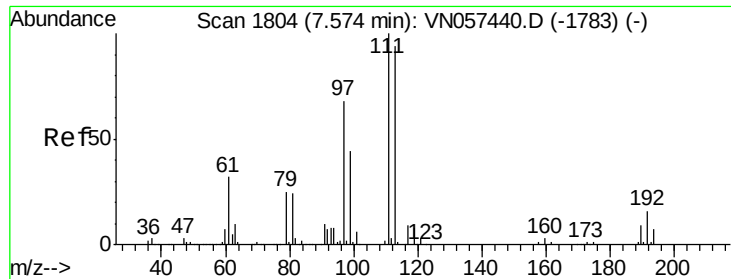
MMDadoda
 8/27/2019 5:30:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	639095		
63	24.7	0.0	50.2	
88	16.6	0.0	34.6	





#35

Dibromofluoromethane

Concen: 50.878 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

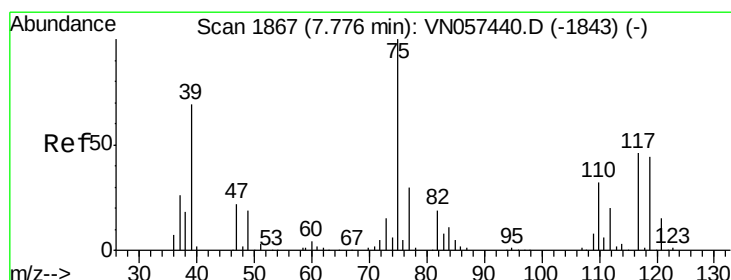
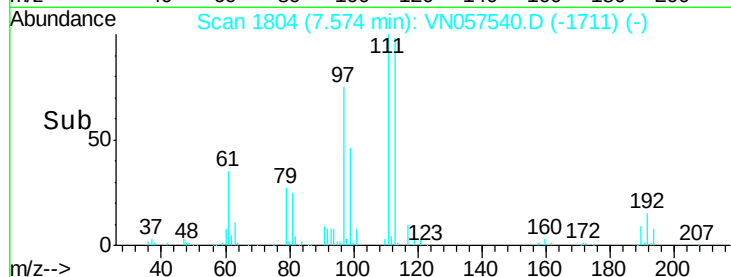
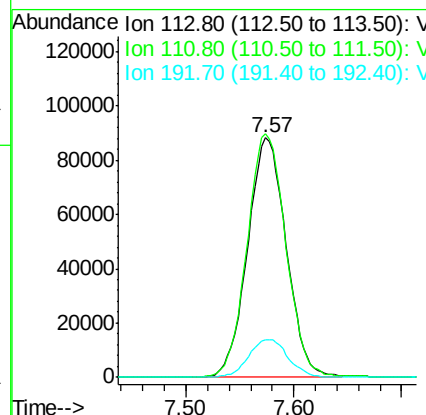
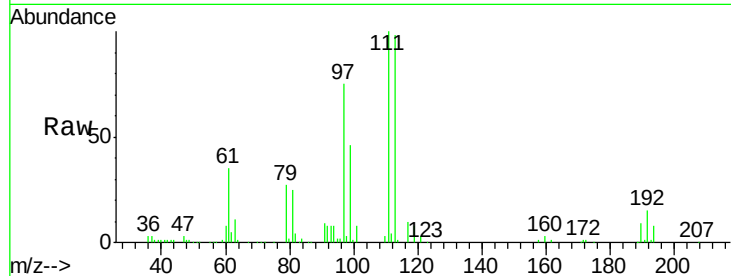
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	219629
Ion Ratio	Lower	Upper	
113	100		
111	102.0	83.8	125.6
192	16.1	13.5	20.3

Manual Integrations
APPROVED

MMDadoda
8/27/2019 5:30:53 PM



#36

1,1-Dichloropropene

Concen: 44.978 ug/l

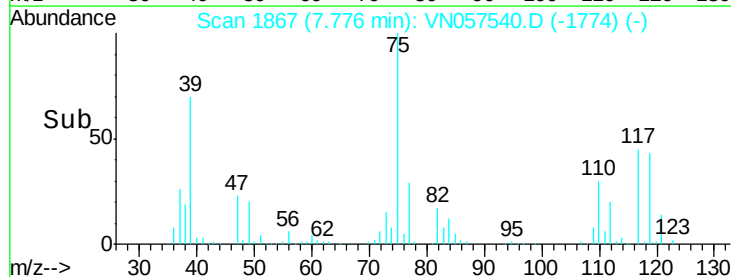
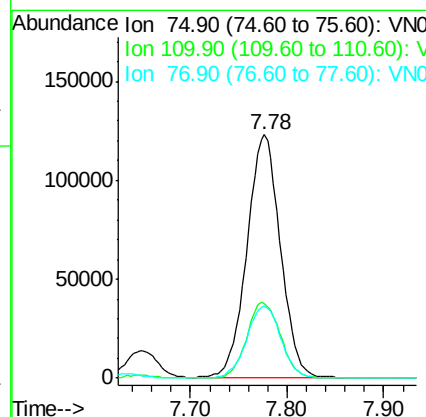
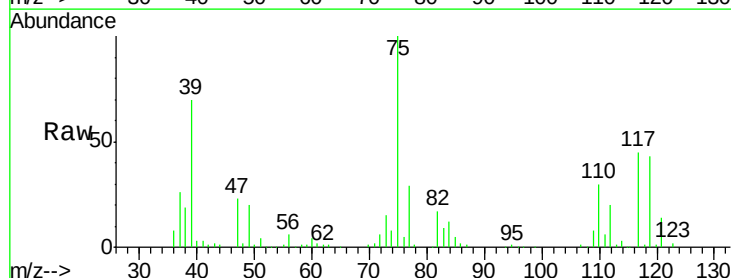
RT: 7.78 min Scan# 1867

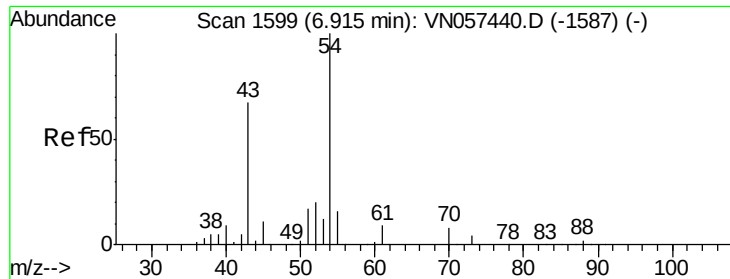
Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Tgt Ion:	75	Resp:	293719
Ion Ratio	Lower	Upper	
75	100		
110	31.5	16.1	48.3
77	29.9	24.8	37.2





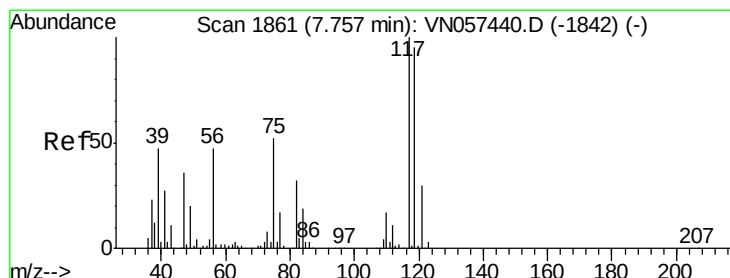
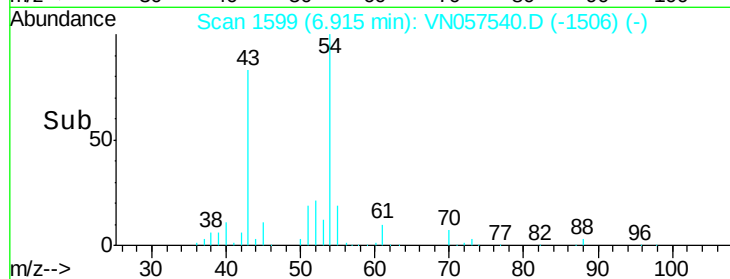
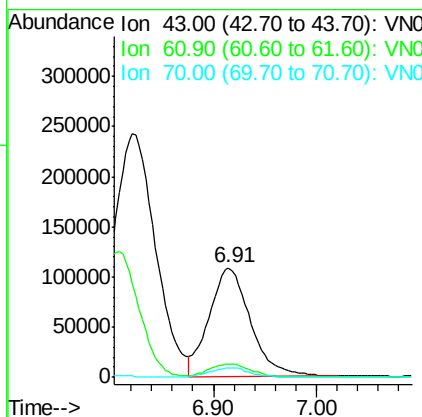
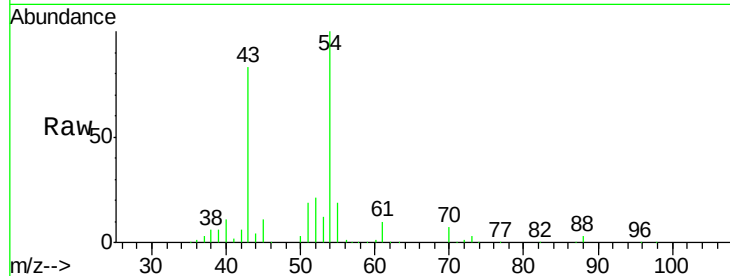
#37
Ethyl Acetate
Concen: 46.405 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	299440		
61	12.3		9.9	14.9
70	8.7		7.0	10.6

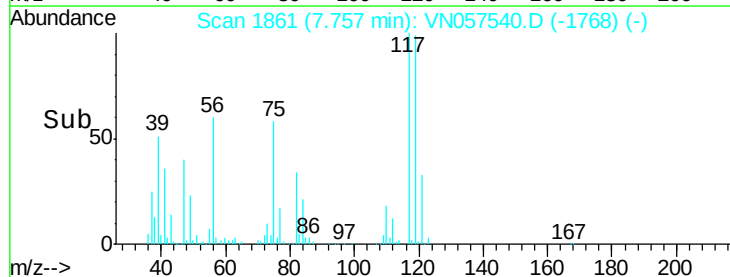
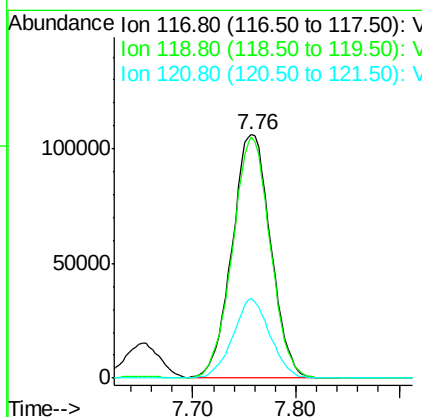
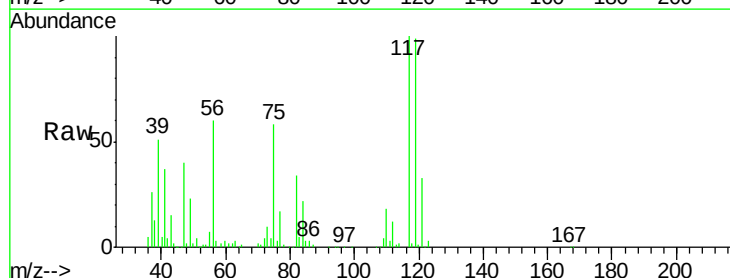
Manual Integrations
APPROVED

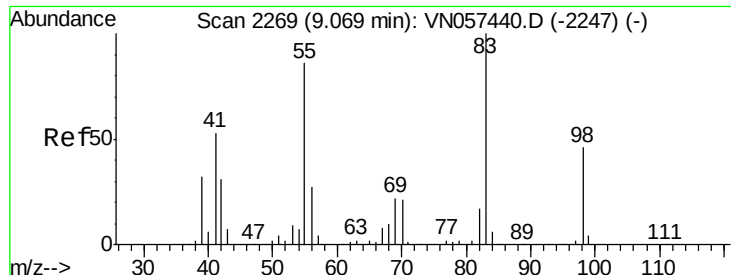
MMDadoda
8/27/2019 5:30:53 PM



#38
Carbon Tetrachloride
Concen: 42.619 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	276492		
119	99.0		76.2	114.4
121	32.8		23.8	35.6





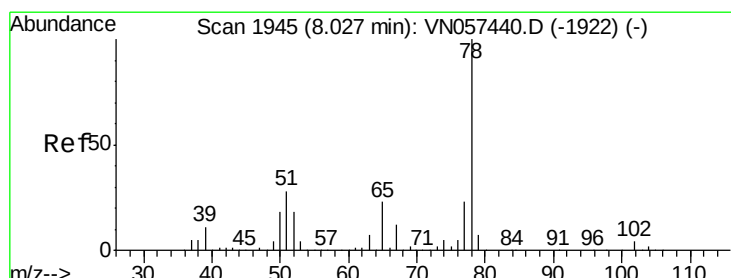
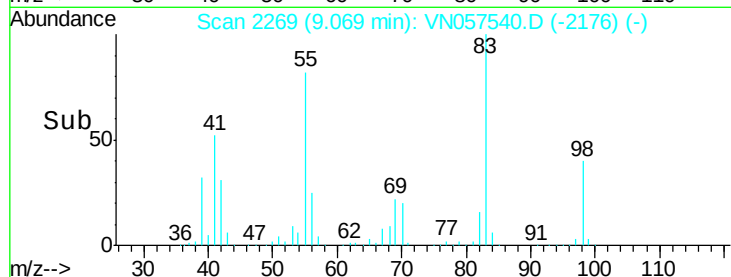
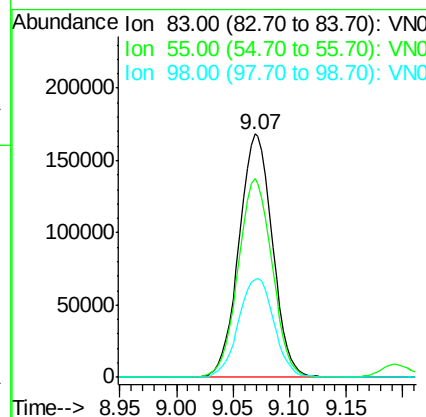
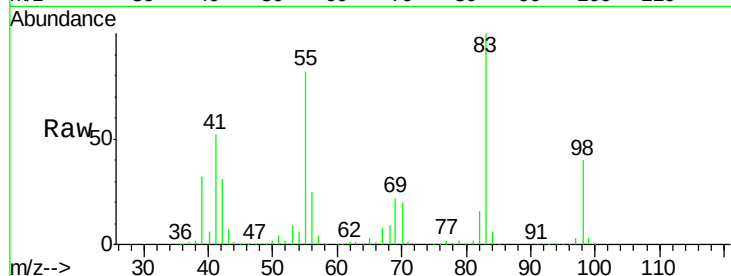
#39
Methylvlcyclohexane
Concen: 44.831 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	347696
Ion Ratio	Lower	Upper	
83	100		
55	81.5	68.6	102.8
98	40.4	36.6	54.8

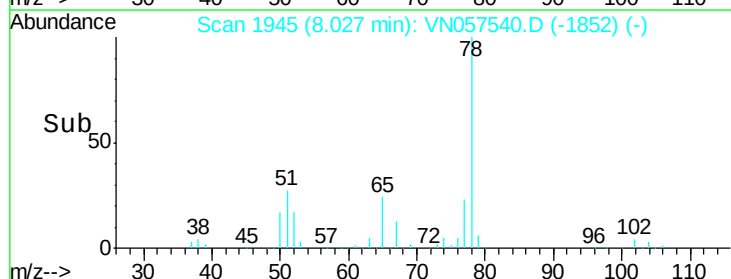
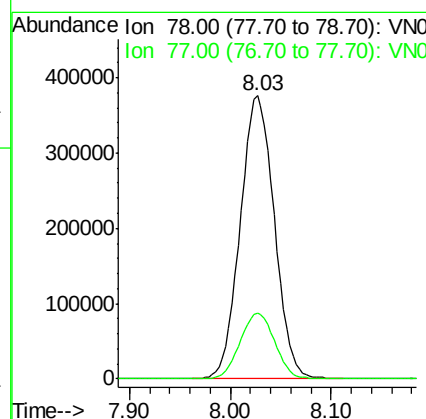
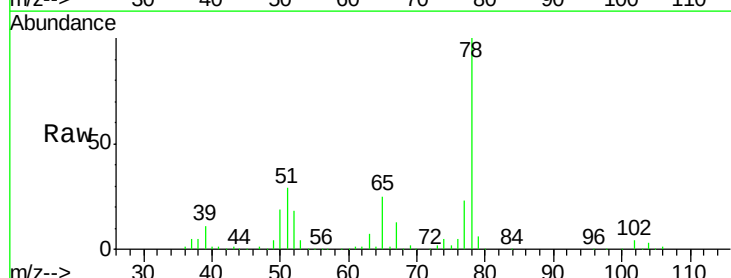
Manual Integrations
APPROVED

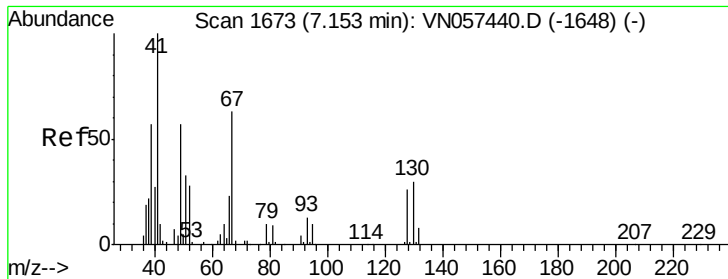
MMDadoda
8/27/2019 5:30:53 PM



#40
Benzene
Concen: 45.019 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion	78	Resp	882388
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.5	27.7





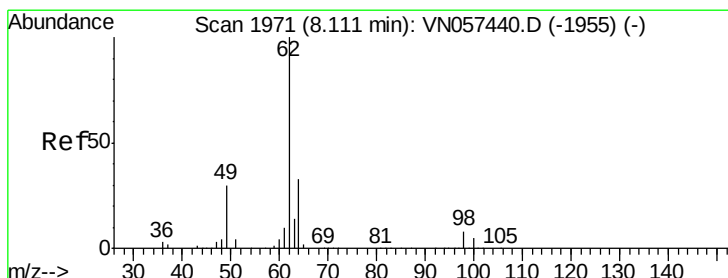
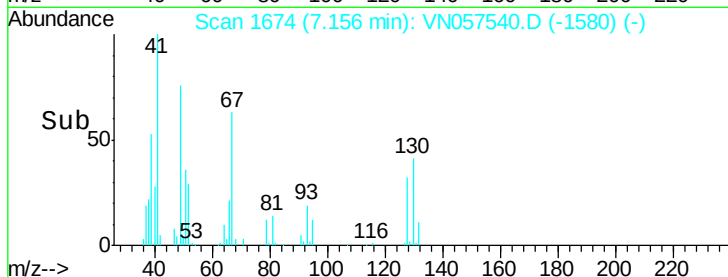
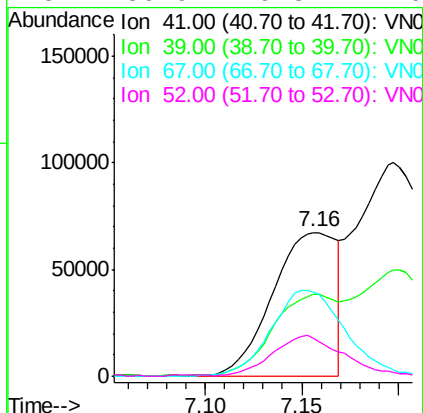
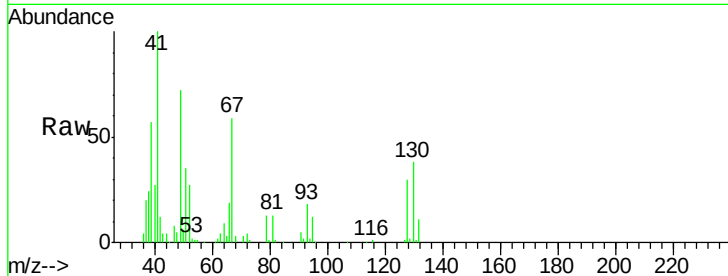
#41
Methacrylonitrile
Concen: 49.932 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.2	53.6	80.4	
67	70.3	65.4	98.2	
52	30.9	29.8	44.6	

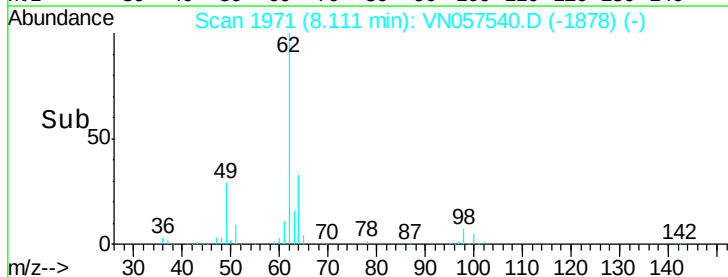
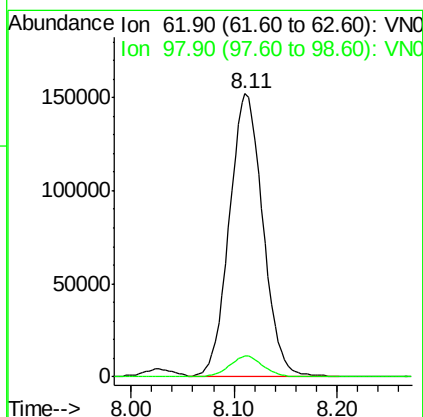
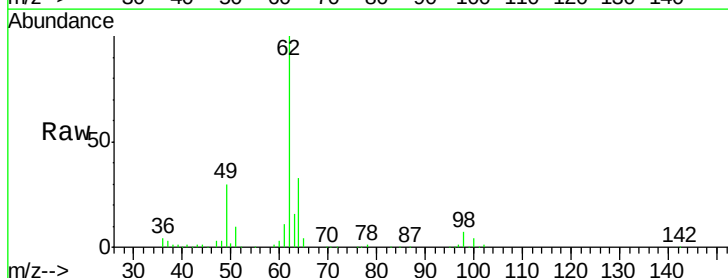
Manual Integrations
APPROVED

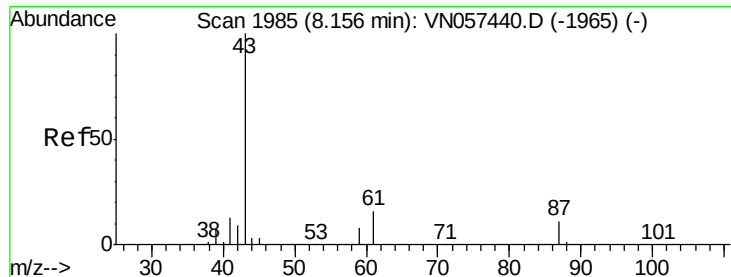
MMDadoda
8/27/2019 5:30:53 PM



#42
1,2-Dichloroethane
Concen: 45.496 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.5	0.0	15.4	





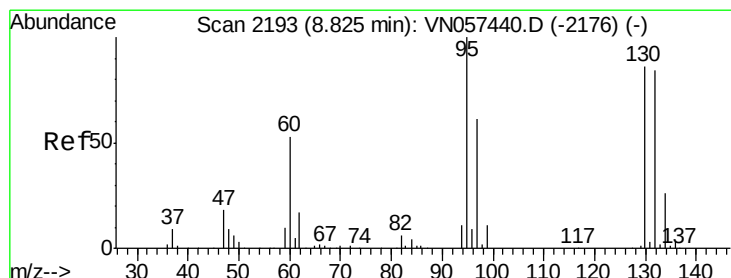
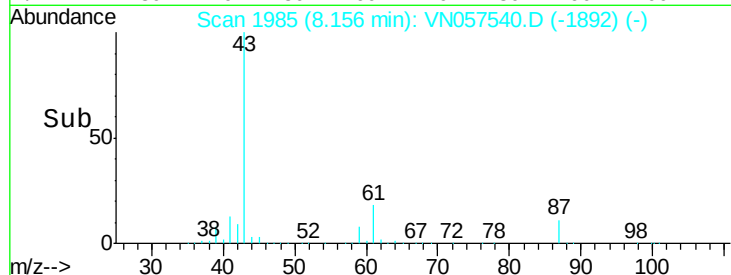
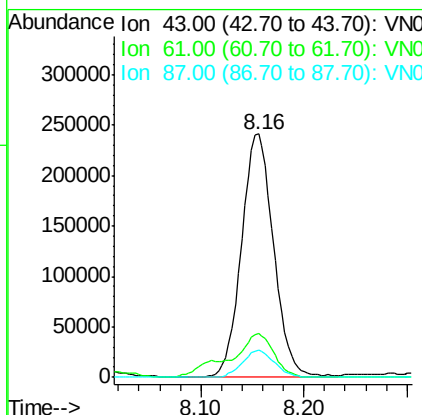
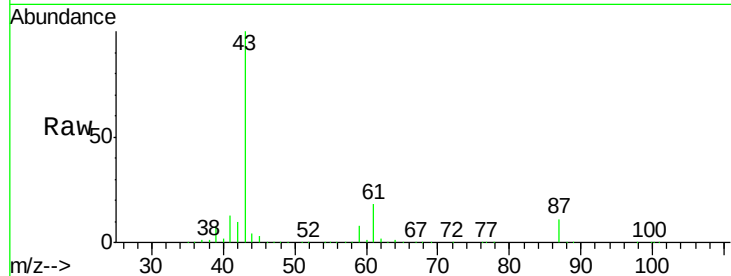
#43
Isopropyl Acetate
Concen: 43.824 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.5	21.7
87	11.1	8.6	12.8

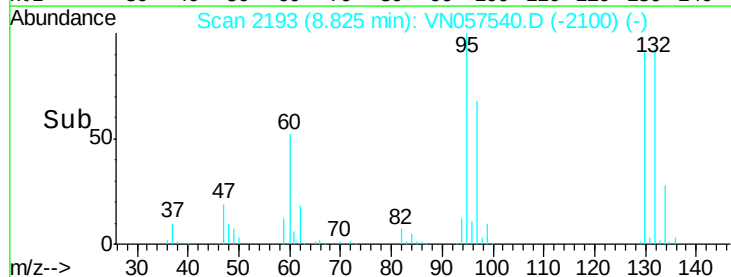
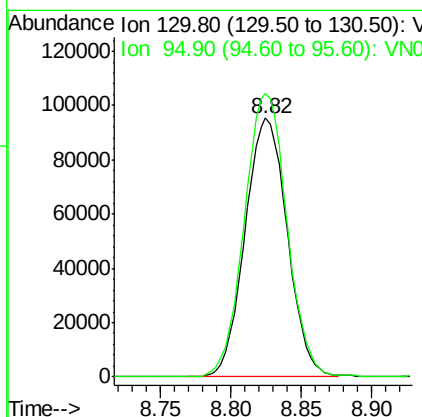
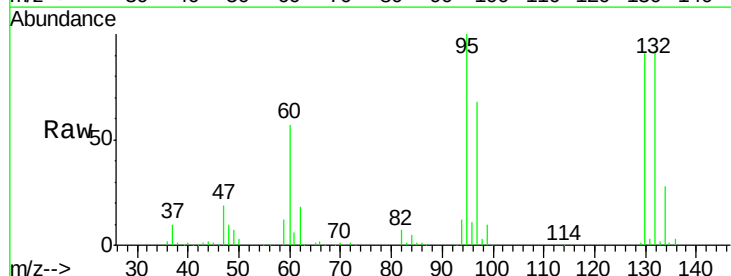
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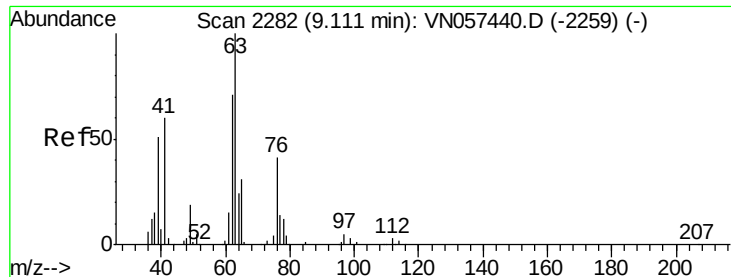
MMDadoda
8/27/2019 5:30:53 PM



#44
Trichloroethene
Concen: 45.688 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.4	0.0	231.6





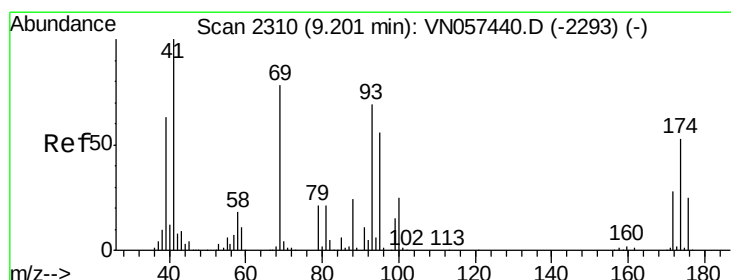
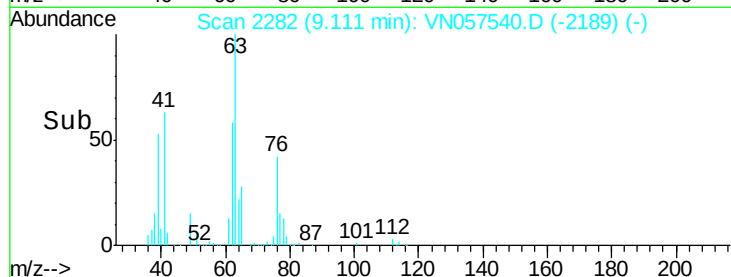
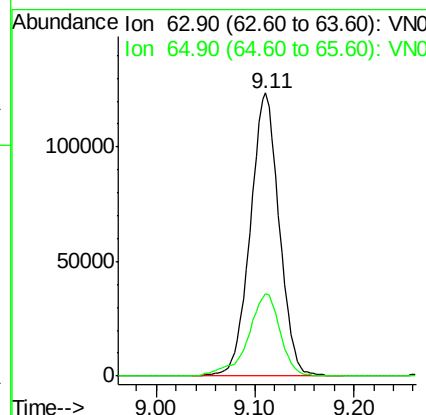
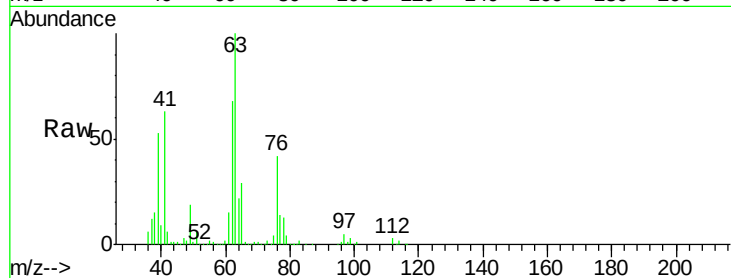
#45
 1,2-Dichloropropane
 Concen: 45.171 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.7	37.1

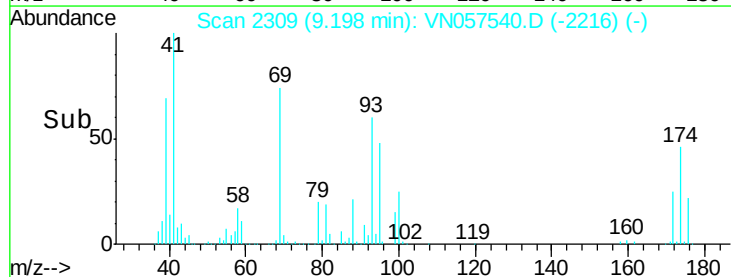
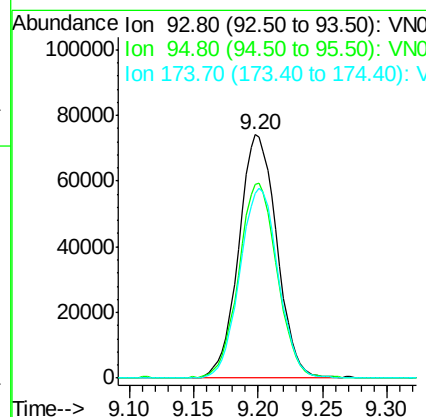
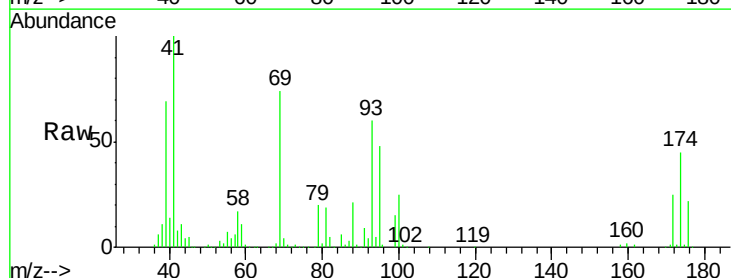
Manual Integrations
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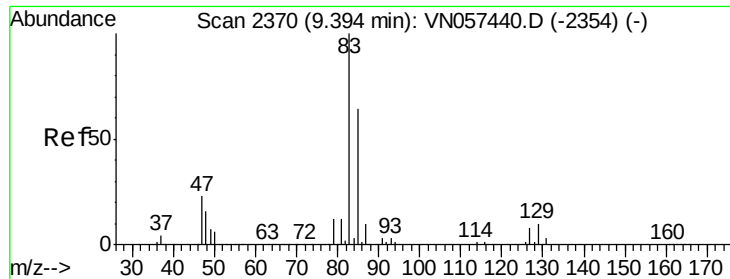
MMDadoda
 8/27/2019 5:30:53 PM



#46
 Dibromomethane
 Concen: 47.040 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.1	64.7	97.1
174	78.8	62.3	93.5





#47

Bromodichloromethane

Concen: 44.319 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

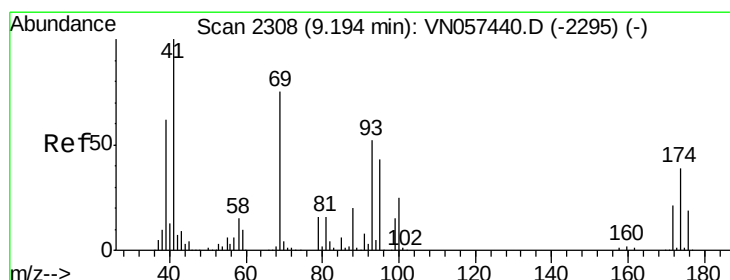
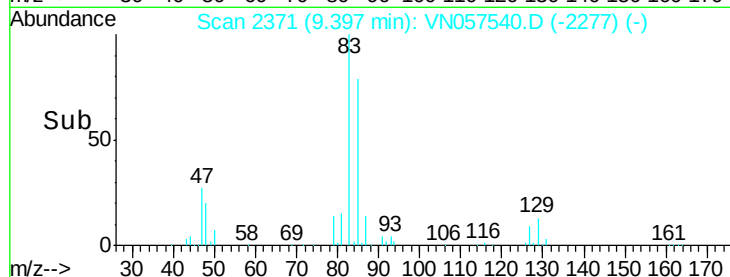
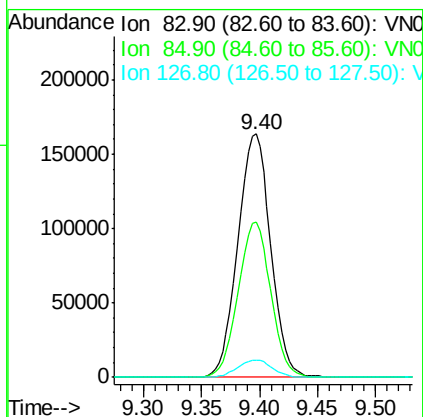
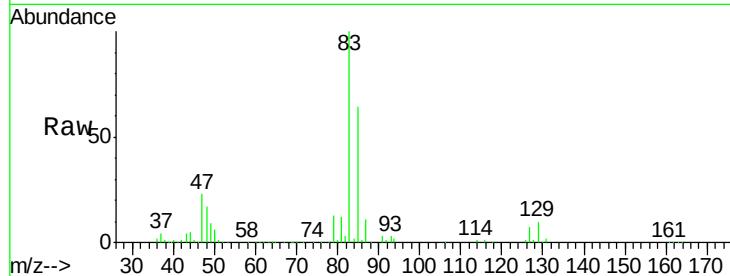
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	322750
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.2	76.8
127	7.1	6.6	10.0

Manual Integrations
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MMDadoda
8/27/2019 5:30:53 PM



#48

Methyl methacrylate

Concen: 44.012 ug/l

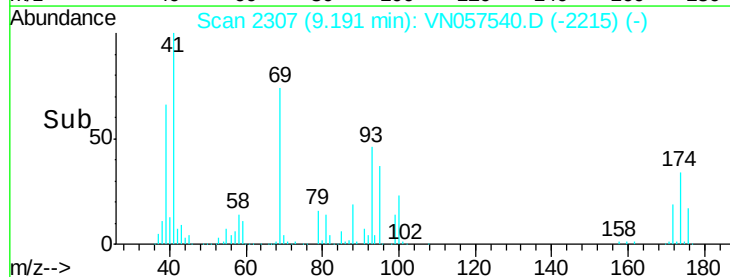
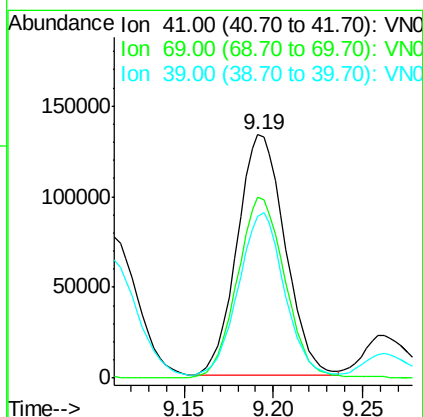
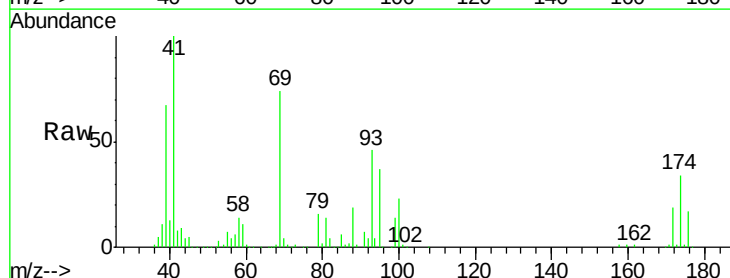
RT: 9.19 min Scan# 2307

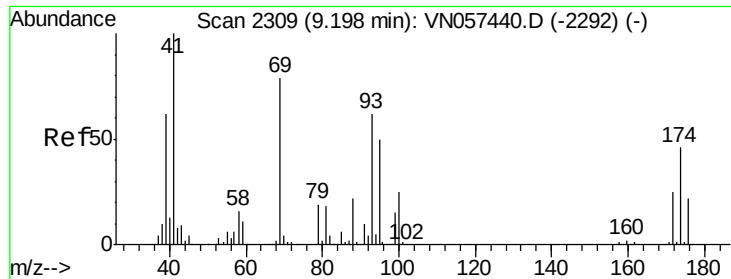
Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Tgt Ion:	41	Resp:	247623
Ion Ratio	Lower	Upper	
41	100		
69	75.1	59.3	88.9
39	66.4	50.6	75.8





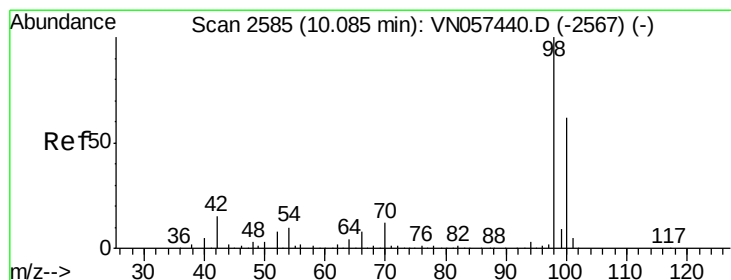
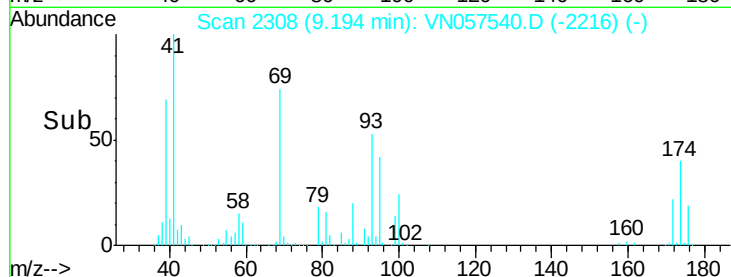
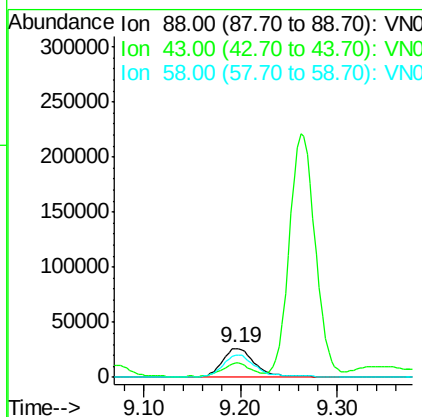
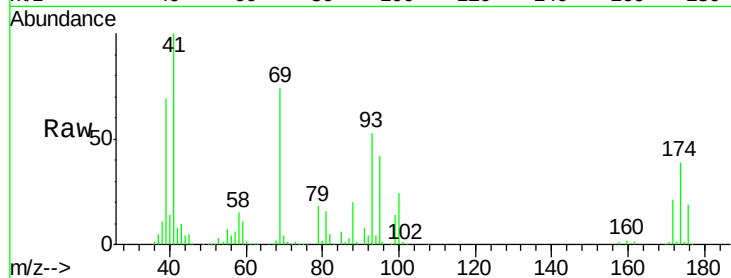
#49
1,4-Dioxane
Concen: 873.776 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.9	31.0	46.6
58	75.9	64.5	96.7

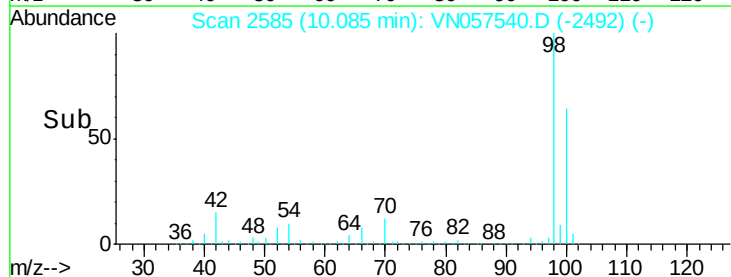
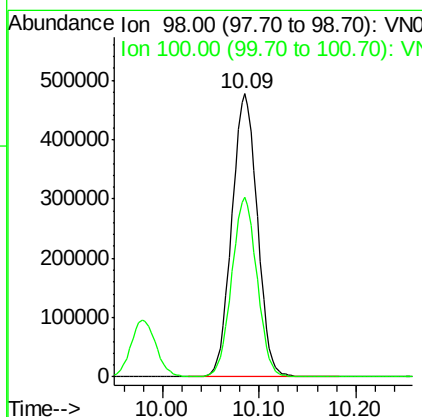
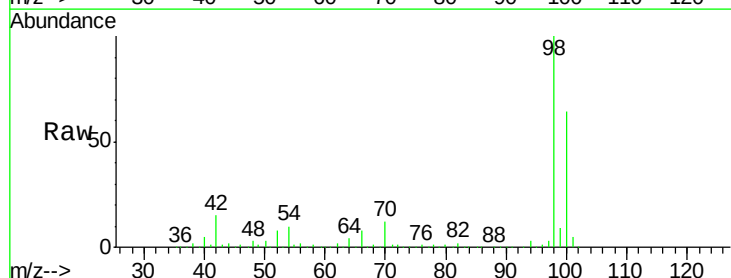
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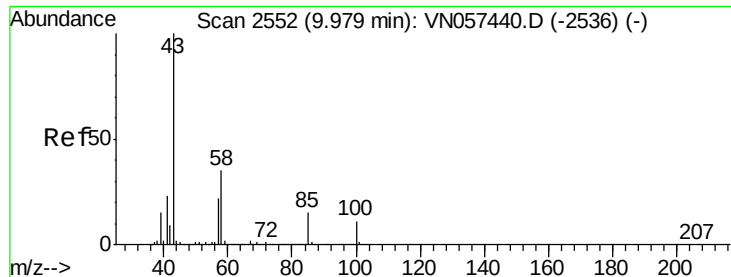
MMDadoda
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#50
Toluene-d8
Concen: 53.560 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	50.4	75.6





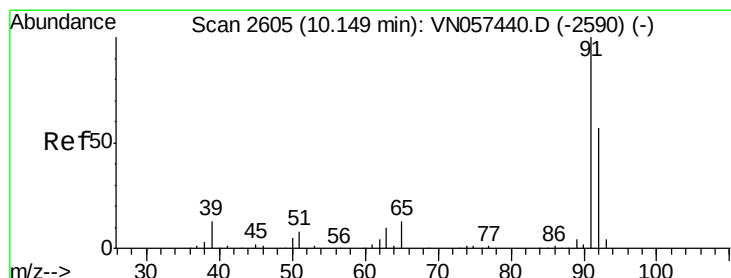
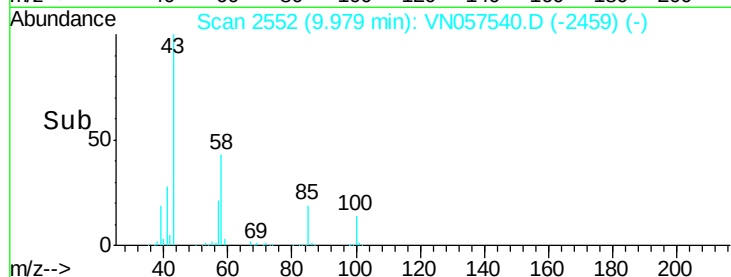
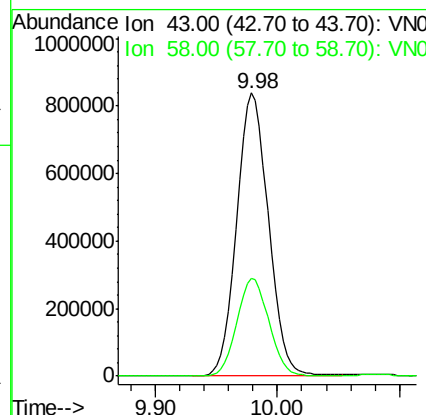
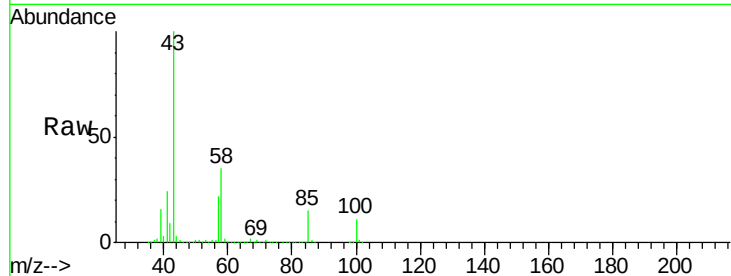
#51
 4-Methyl-2-Pentanone
 Concen: 229.043 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1510342
 Ion Ratio Lower Upper
 43 100
 58 35.1 27.9 41.9

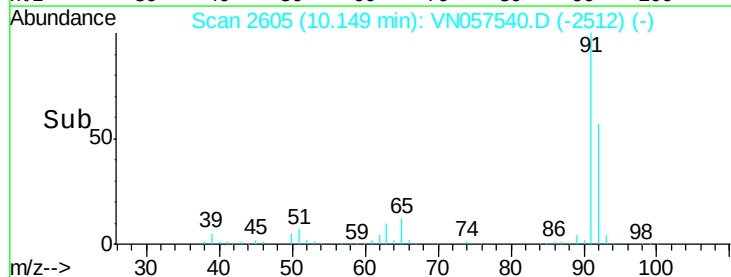
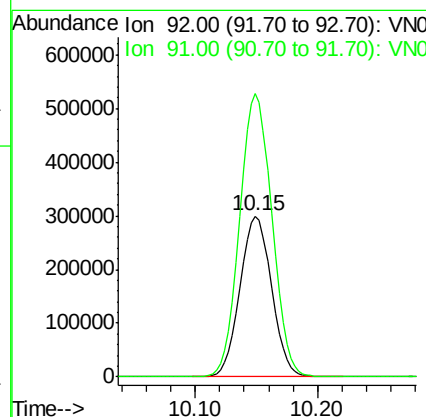
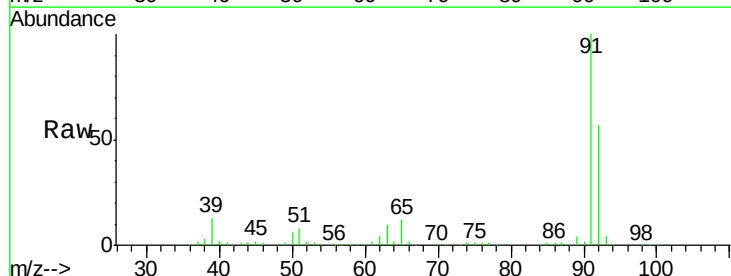
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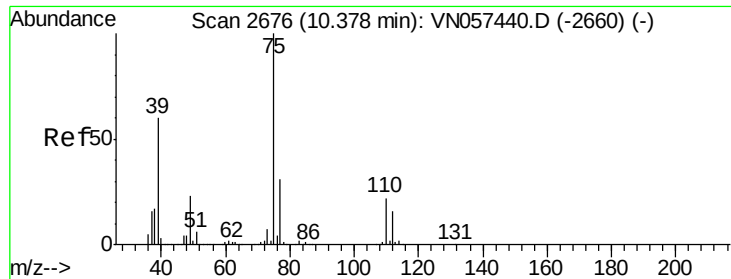
MMDadoda
 8/27/2019 5:30:53 PM



#52
 Toluene
 Concen: 47.490 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion: 92 Resp: 536477
 Ion Ratio Lower Upper
 92 100
 91 180.0 140.9 211.3





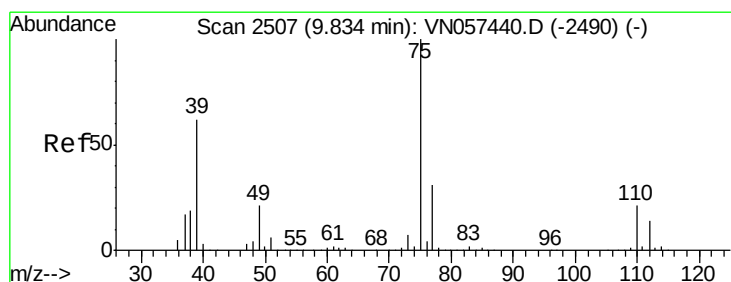
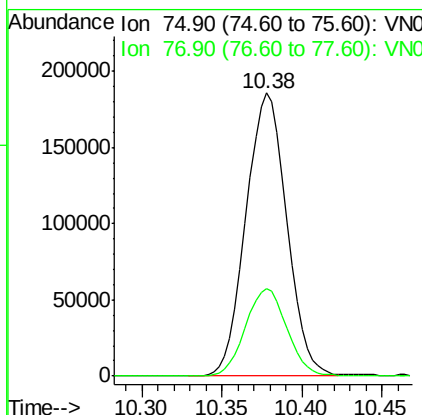
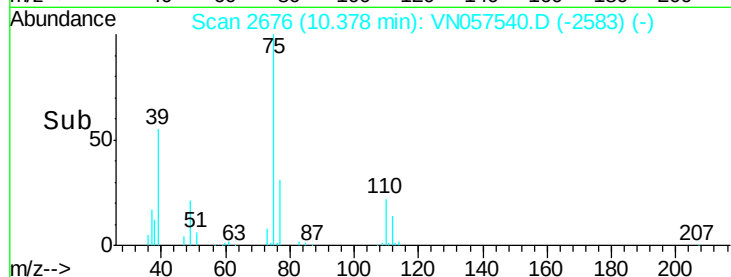
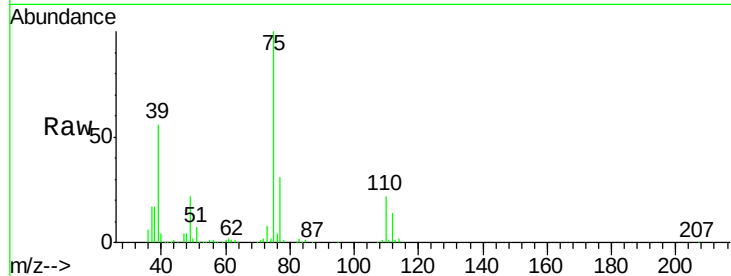
#53
 t-1,3-Dichloropropene
 Concen: 42.545 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 324533
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.0 37.6

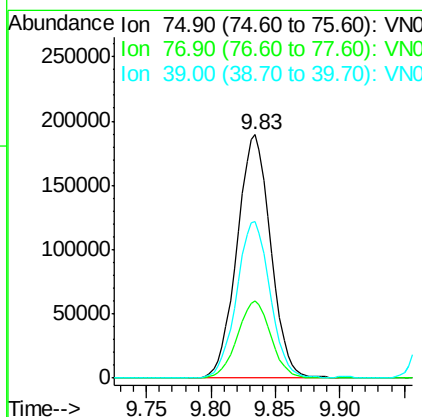
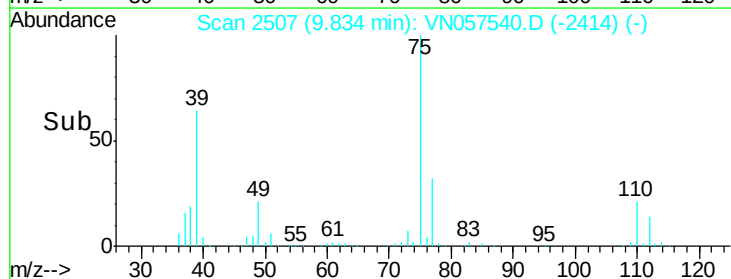
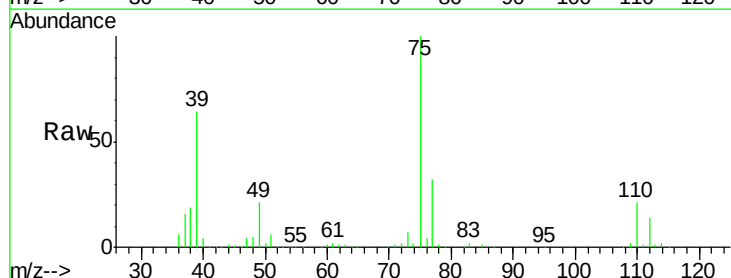
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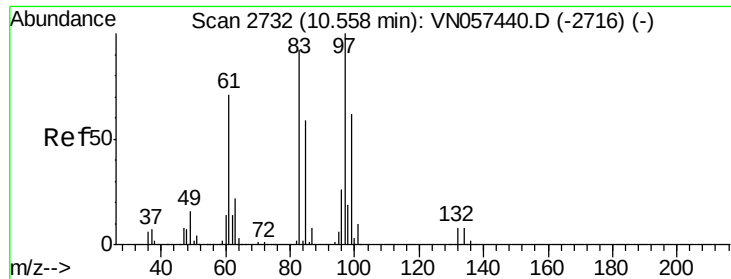
MMDadoda
 8/27/2019 5:30:53 PM



#54
 cis-1,3-Dichloropropene
 Concen: 40.520 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion: 75 Resp: 344141
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.0 37.6
 39 63.8 49.2 73.8





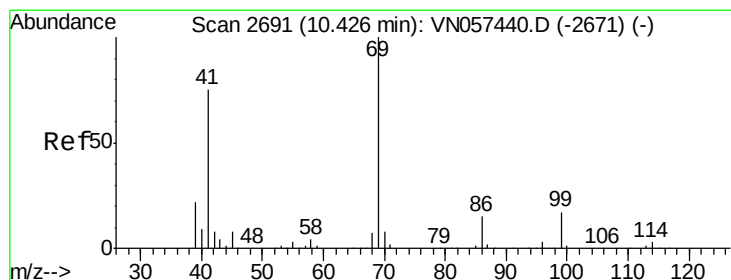
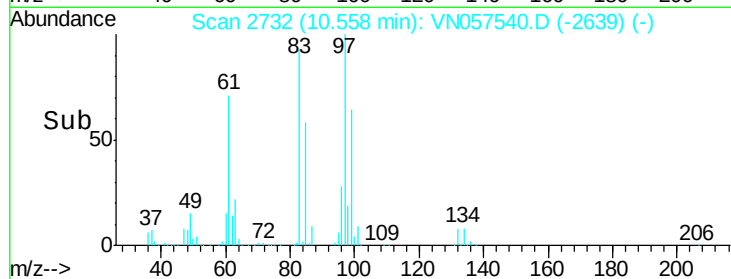
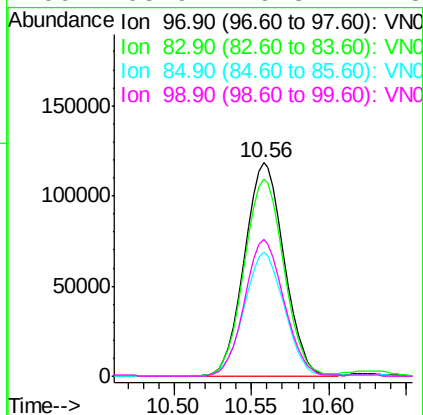
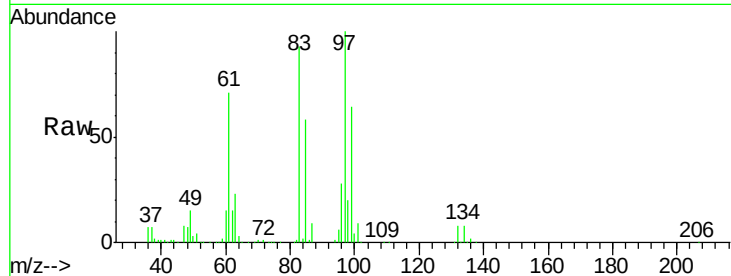
#55
 1,1,2-Trichloroethane
 Concen: 46.345 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		211720		
83	92.5	73.7	110.5		
85	58.4	46.8	70.2		
99	63.9	49.8	74.8		

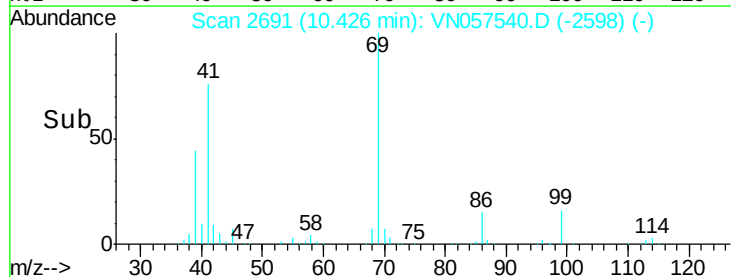
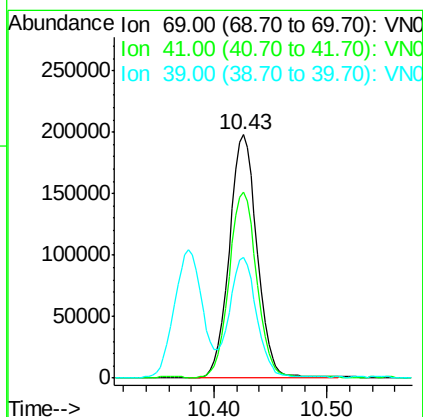
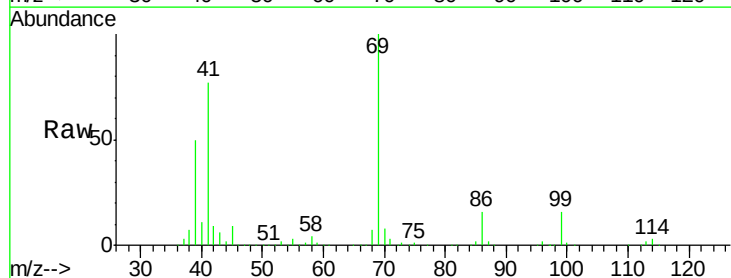
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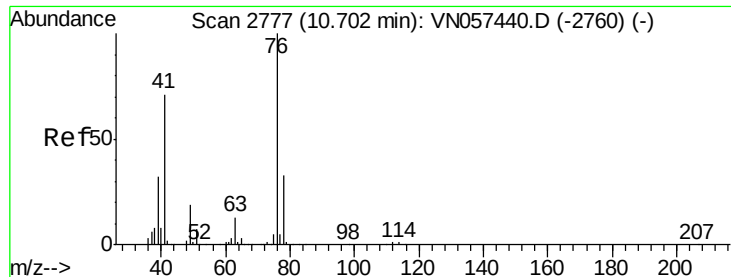
MMDadoda
 8/27/2019 5:30:53 PM



#56
 Ethyl methacrylate
 Concen: 47.082 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		338352		
41	75.4	60.8	91.2		
39	47.2	36.5	54.7		





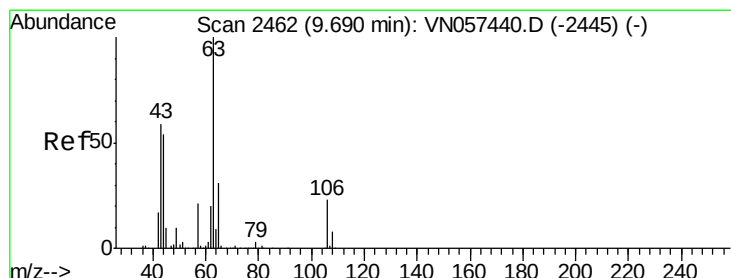
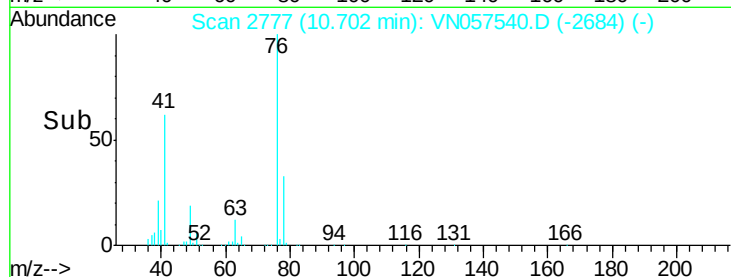
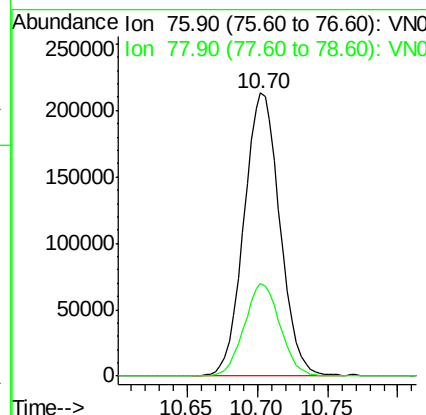
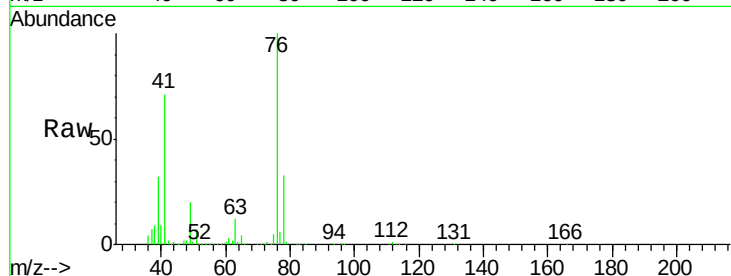
#57
 1,3-Dichloropropane
 Concen: 47.896 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

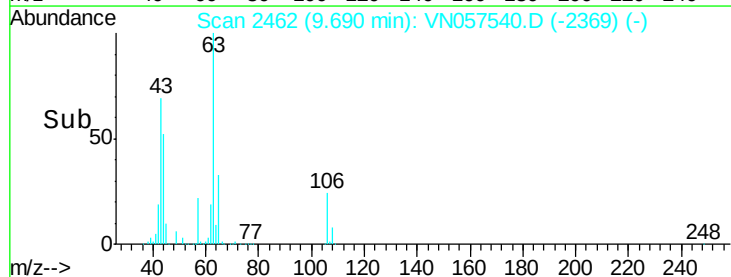
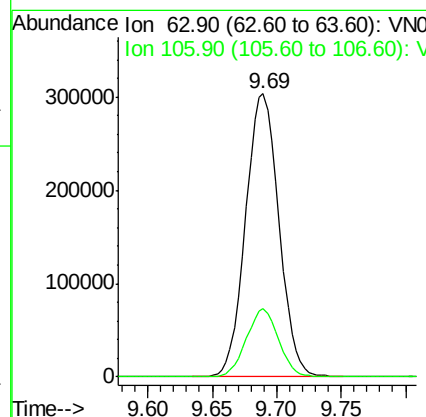
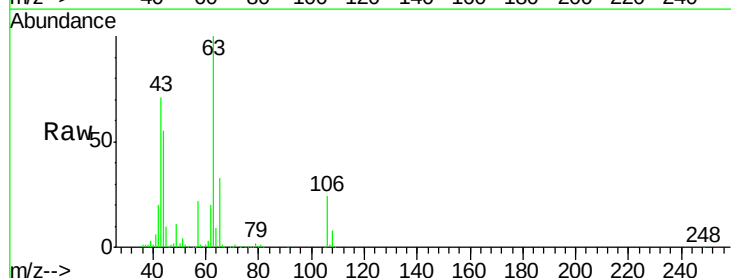
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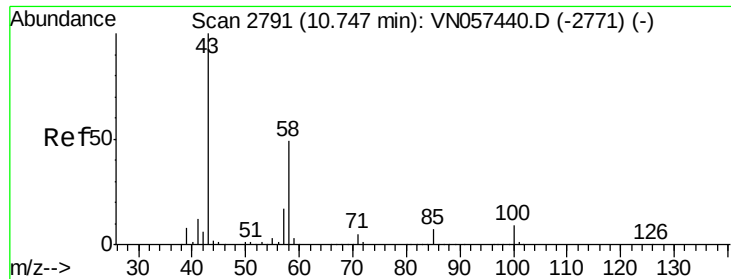
MMDadoda
 8/27/2019 5:30:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 271.845 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.3	18.6	27.8





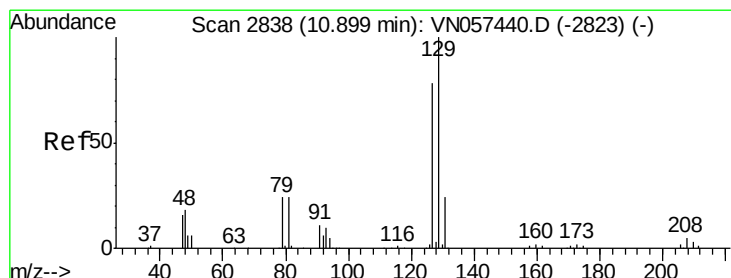
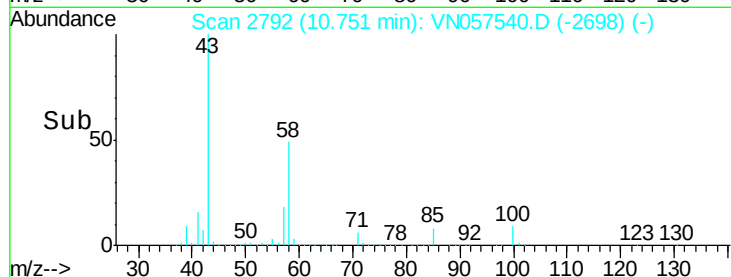
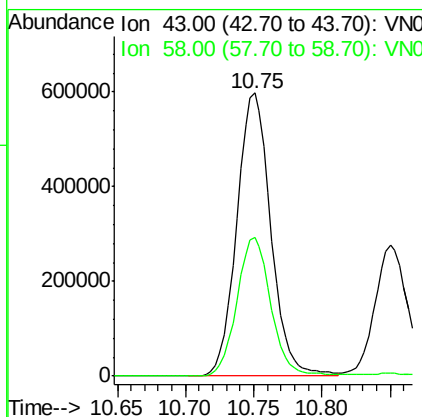
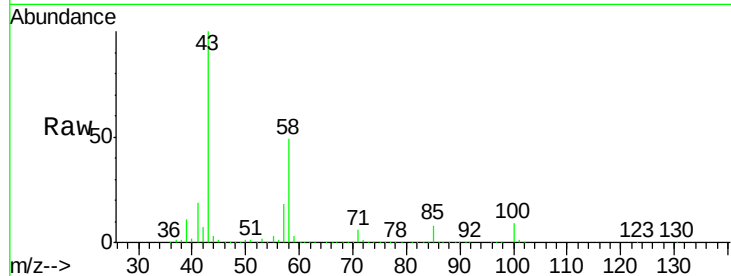
#59
2-Hexanone
Concen: 228.251 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1032338
Ion Ratio Lower Upper
43 100
58 49.1 24.6 73.6

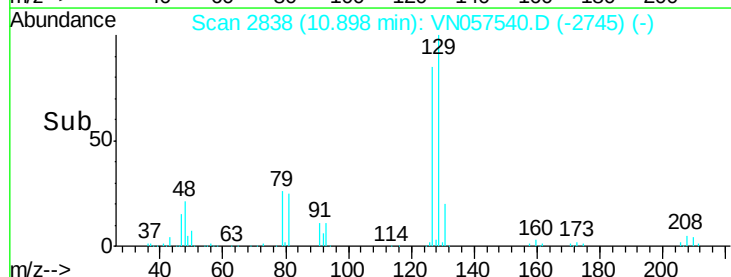
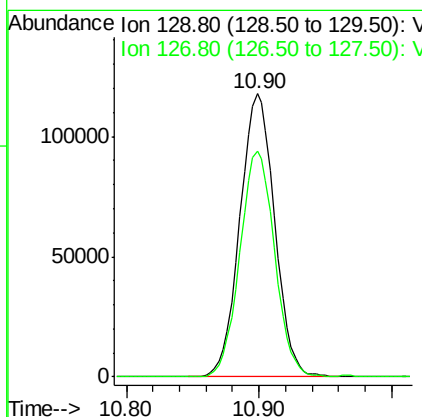
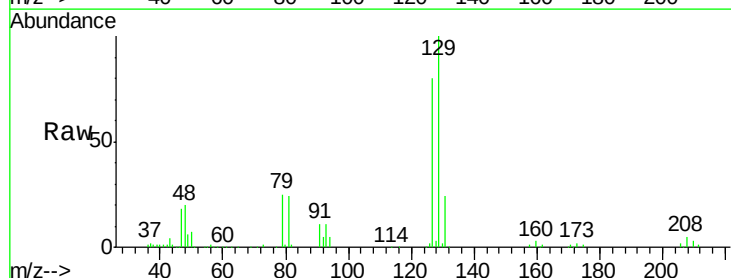
Manual Integrations
APPROVED

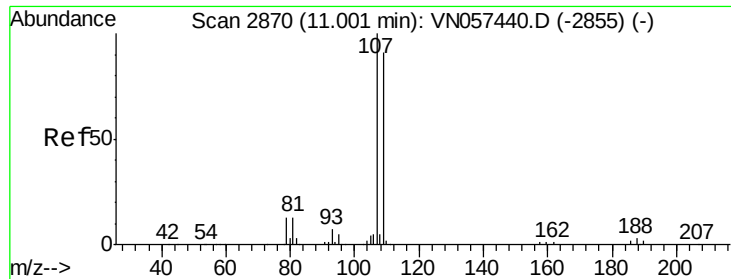
MMDadoda
8/27/2019 5:30:53 PM



#60
Dibromochloromethane
Concen: 44.443 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion:129 Resp: 214561
Ion Ratio Lower Upper
129 100
127 79.6 39.0 116.9





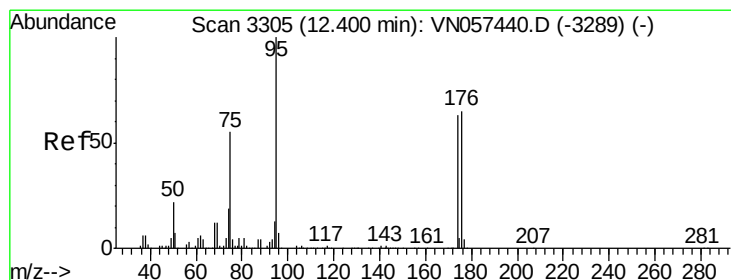
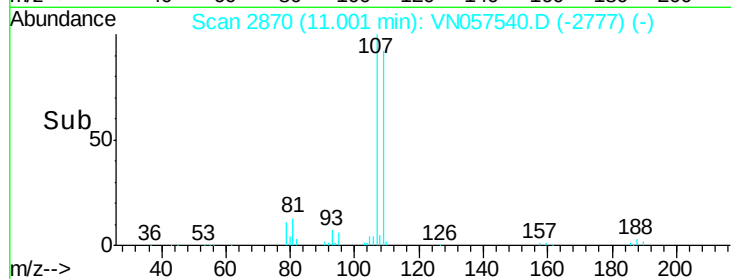
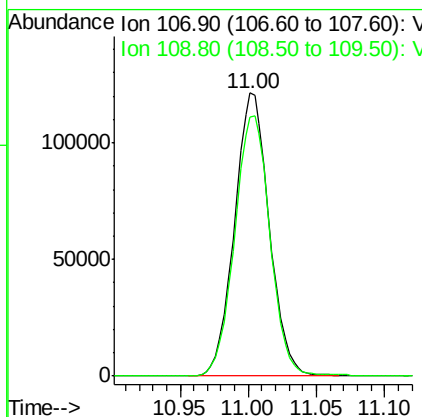
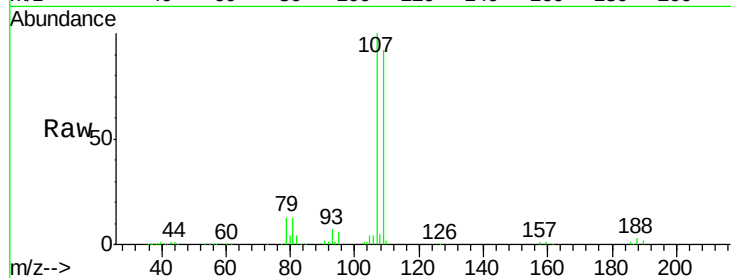
#61
 1,2-Dibromoethane
 Concen: 47.845 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	73.8	110.8

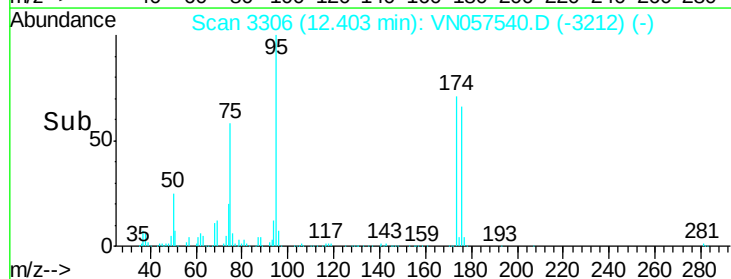
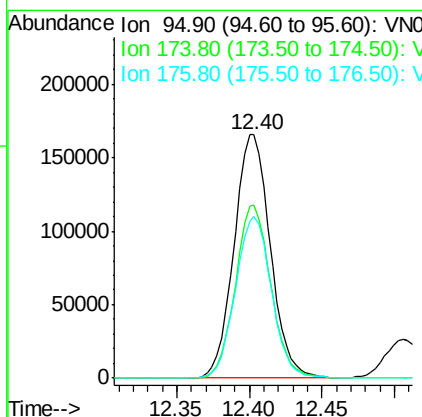
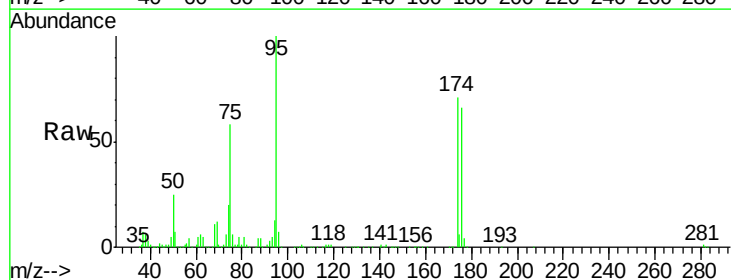
Manual Integrations
 APPROVED

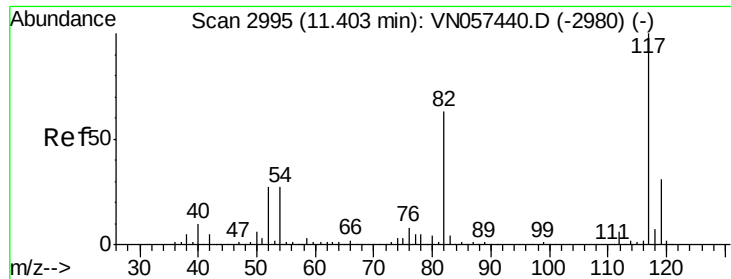
MMDadoda
 8/27/2019 5:30:53 PM



#62
 4-Bromofluorobenzene
 Concen: 52.031 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.5	0.0	133.0
176	65.9	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: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

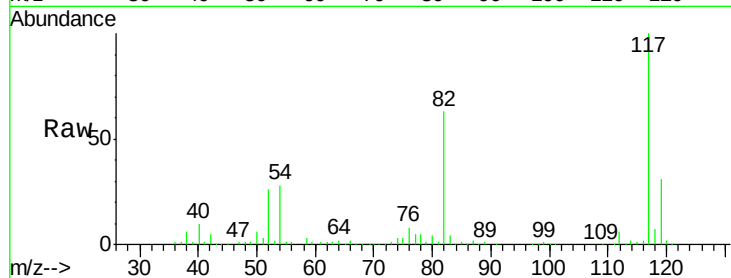
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	573720
Ion Ratio	Lower	Upper	
117	100		
82	62.8	50.6	75.8
119	31.4	24.6	36.8

Manual Integrations
APPROVED

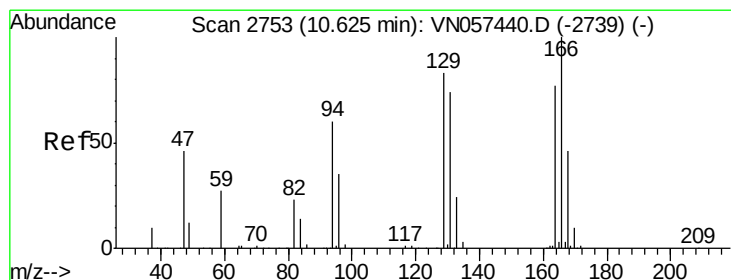
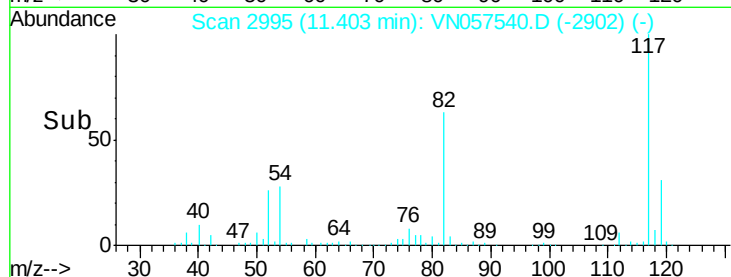
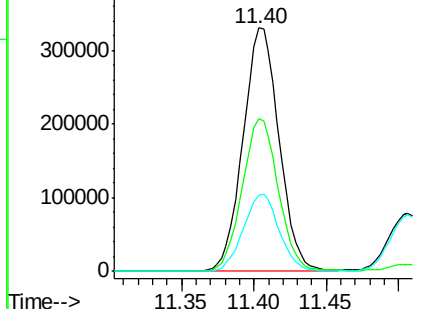
MMDadoda
8/27/2019 5:30:53 PM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 45.988 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

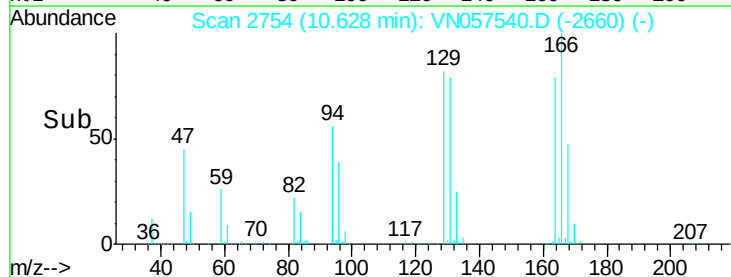
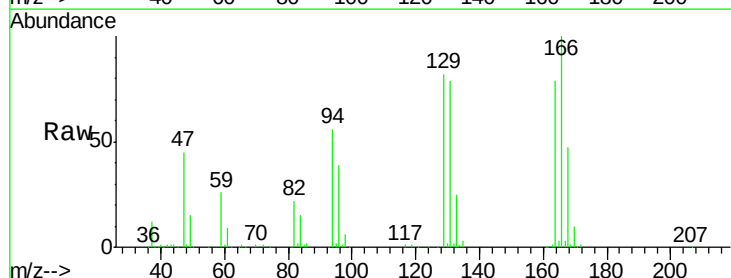
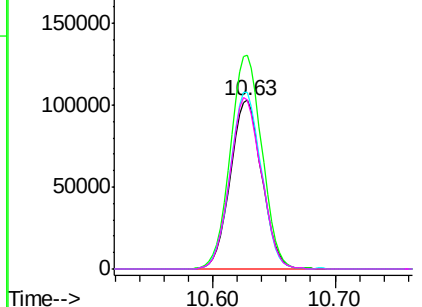
Tgt Ion:	164	Resp:	184589
Ion Ratio	Lower	Upper	
164	100		
166	126.6	104.4	156.6
129	104.4	86.6	130.0
131	100.1	77.6	116.4

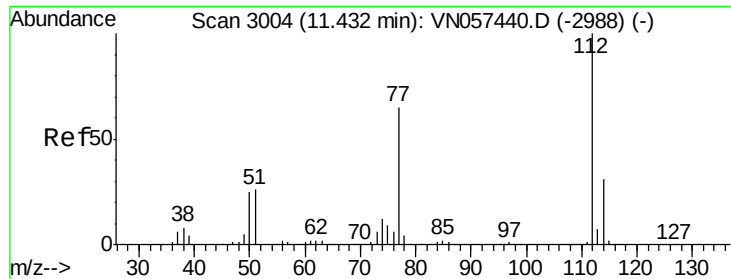
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





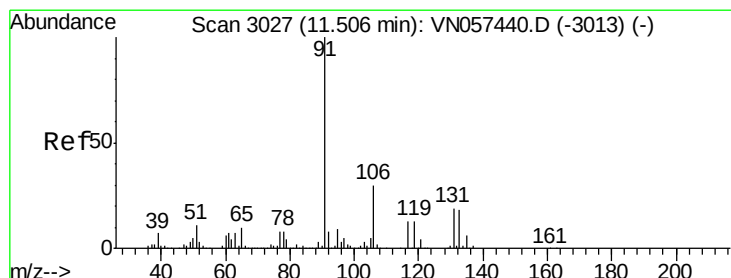
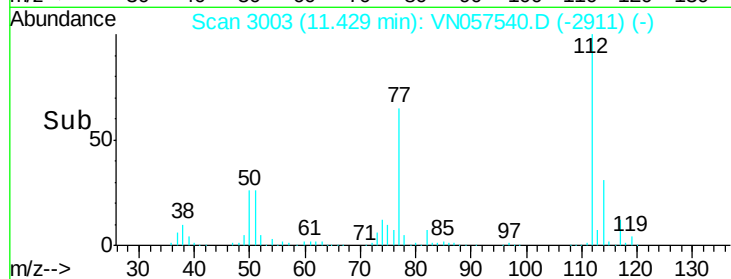
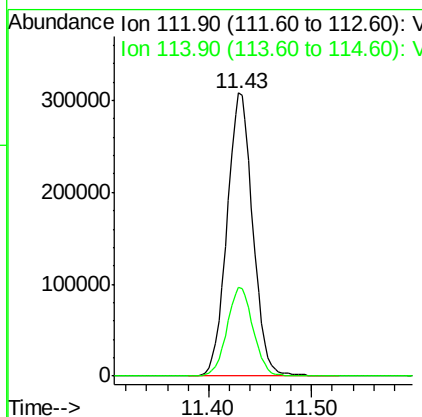
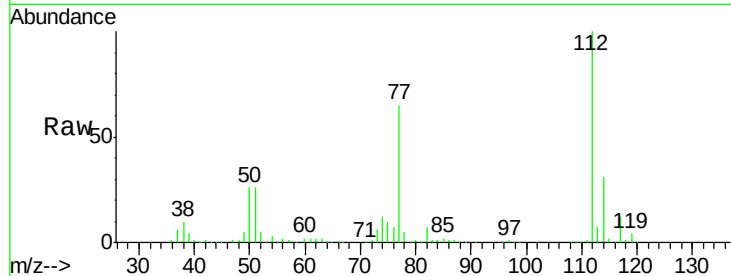
#65
Chlorobenzene
Concen: 46.215 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 535985
Ion Ratio Lower Upper
112 100
114 31.2 24.8 37.2

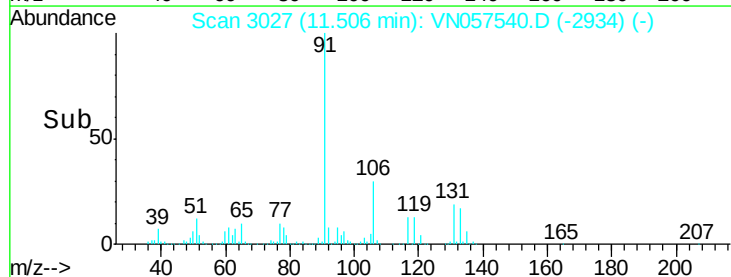
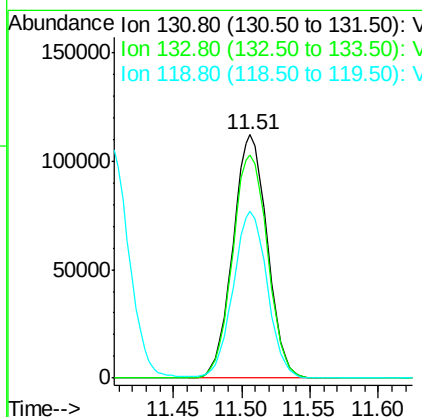
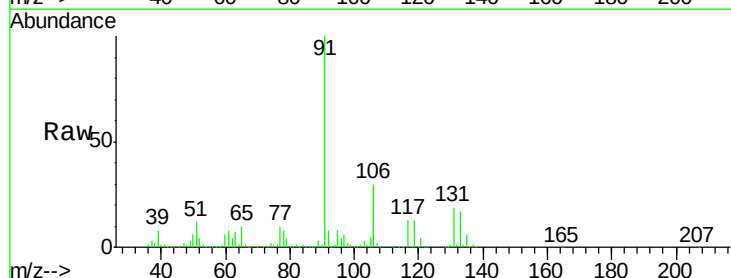
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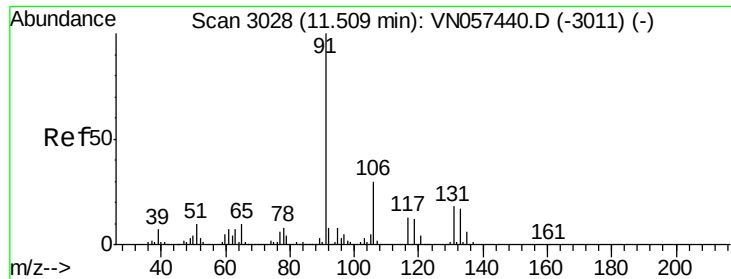
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#66
1,1,1,2-Tetrachloroethane
Concen: 44.074 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion:131 Resp: 196030
Ion Ratio Lower Upper
131 100
133 93.7 47.6 142.8
119 68.0 34.4 103.2





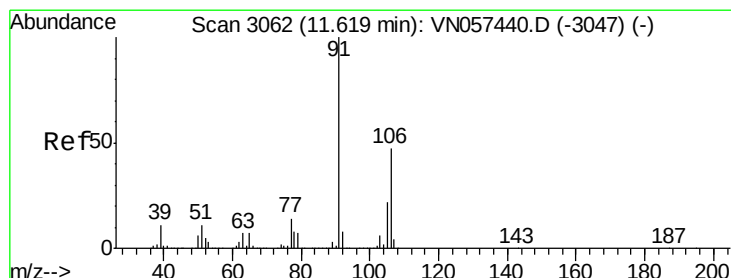
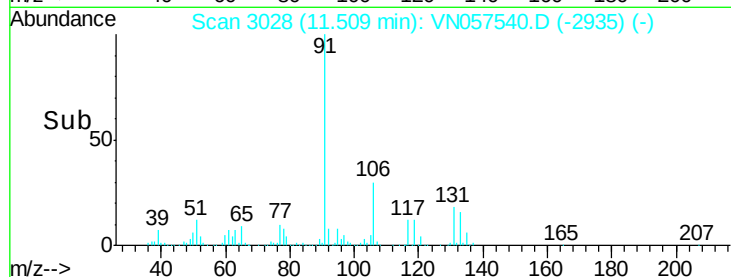
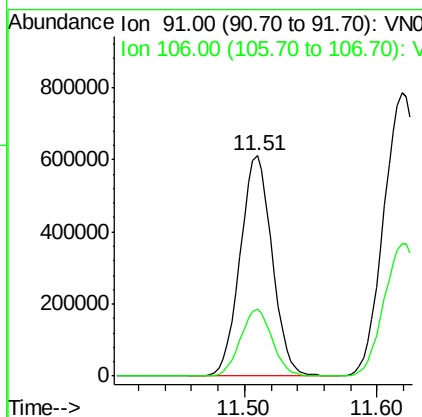
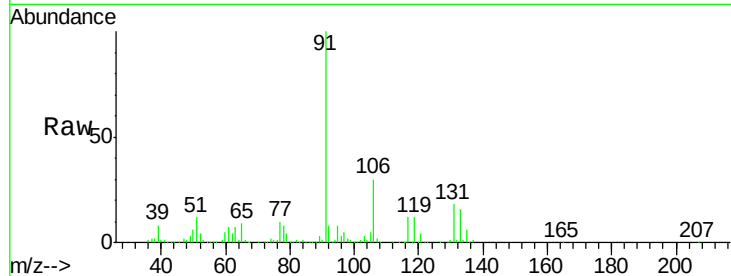
#67
Ethyl Benzene
Concen: 45.568 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 1022914
Ion Ratio Lower Upper
91 100
106 30.5 24.1 36.1

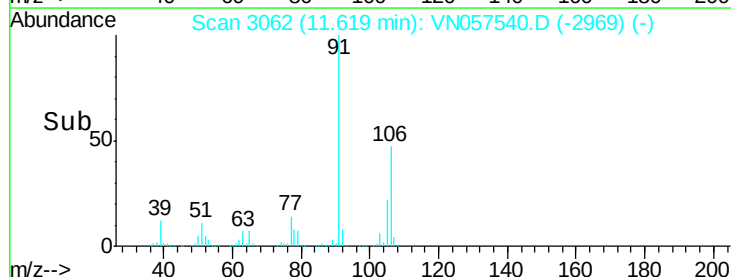
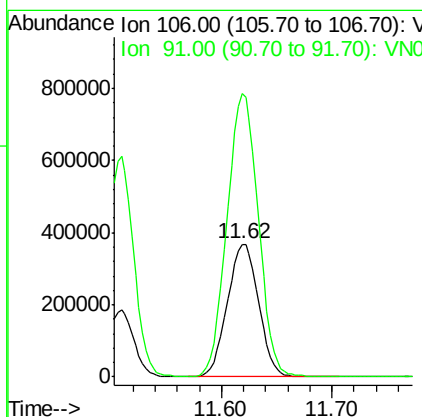
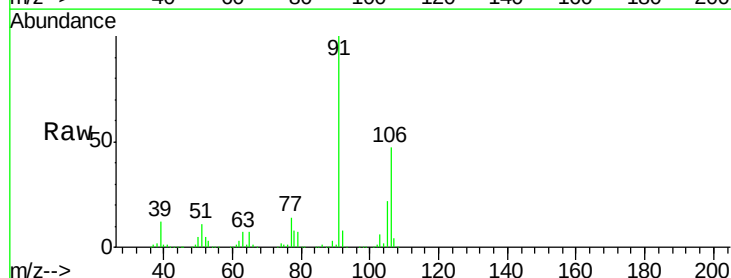
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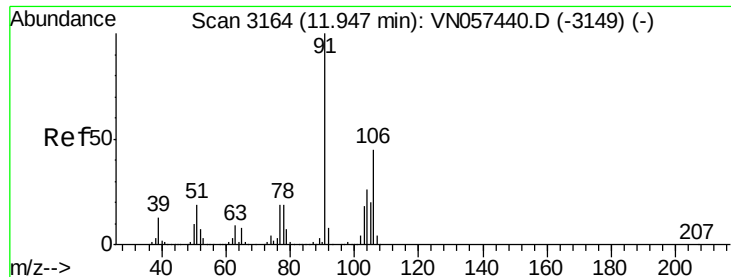
MMDadoda
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#68
m/p-Xylenes
Concen: 94.538 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion: 106 Resp: 721717
Ion Ratio Lower Upper
106 100
91 214.2 171.8 257.6





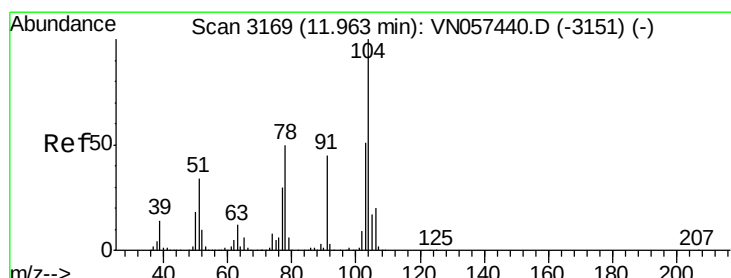
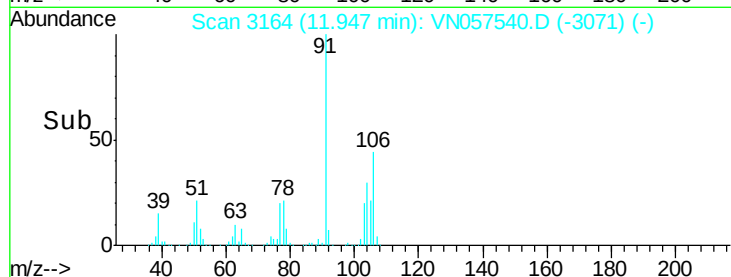
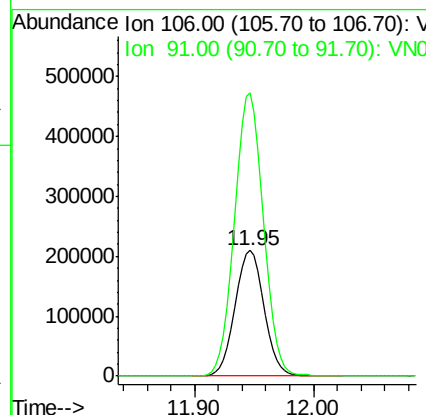
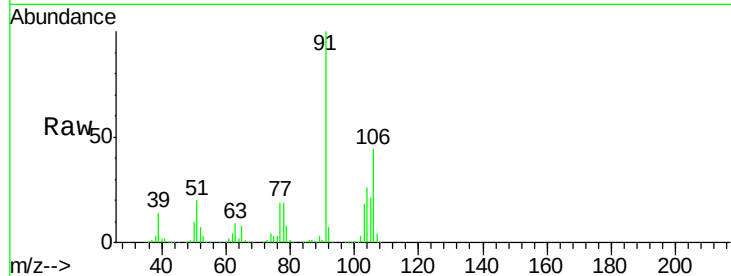
#69
o-Xylene
Concen: 46.977 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	355268		
91	91	224.5	112.3	336.9	

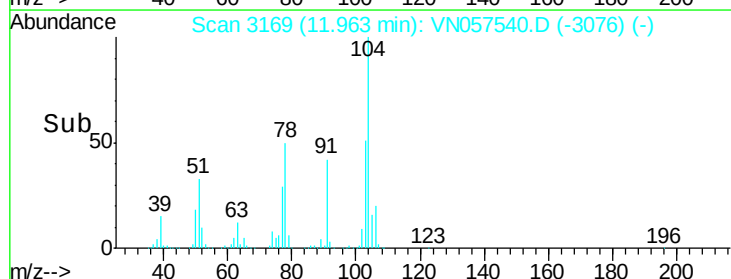
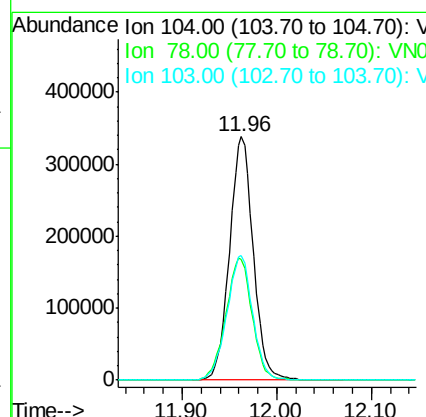
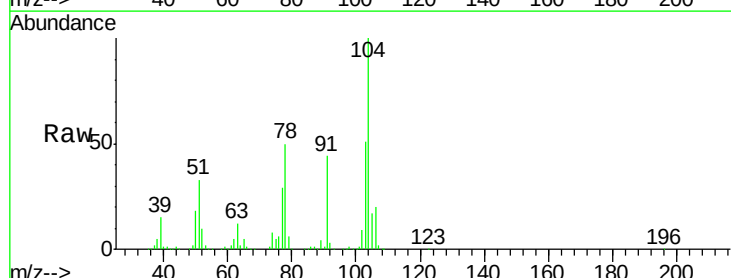
Manual Integrations
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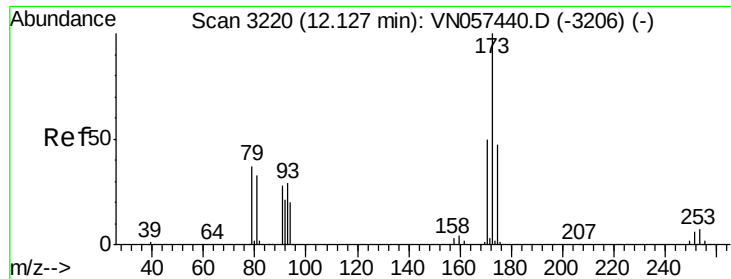
MMDadoda
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#70
Styrene
Concen: 49.160 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	588681		
78	78	55.4	44.7	67.1	
103	103	55.8	44.4	66.6	





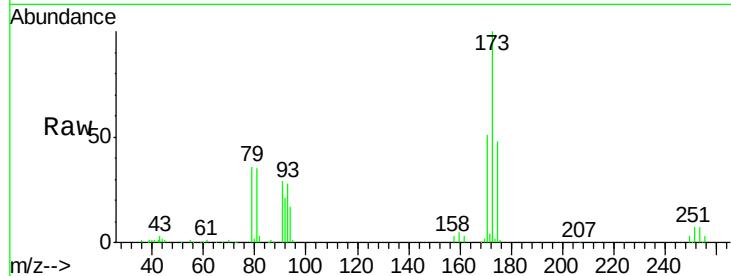
#71
Bromoform
Concen: 42.143 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

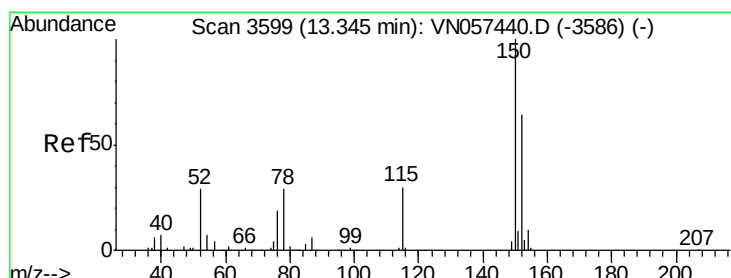
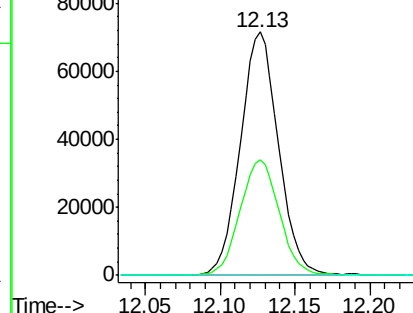
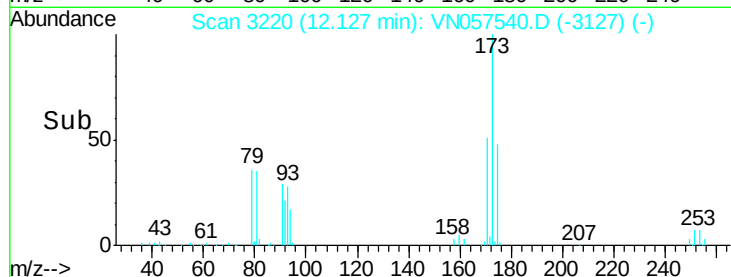
Tot Ion	Ratio	Resp	Lower	Upper
173	100	126711		
175	48.9	23.9	71.8	
254	0.1	0.1	0.1#	

Manual Integrations
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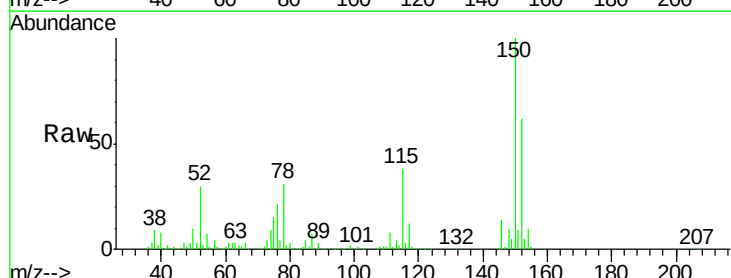


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

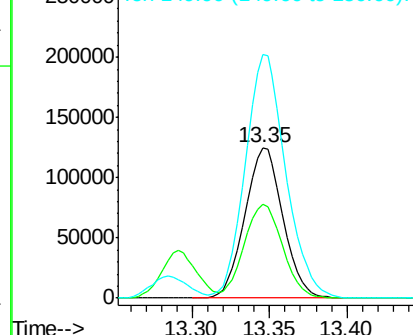
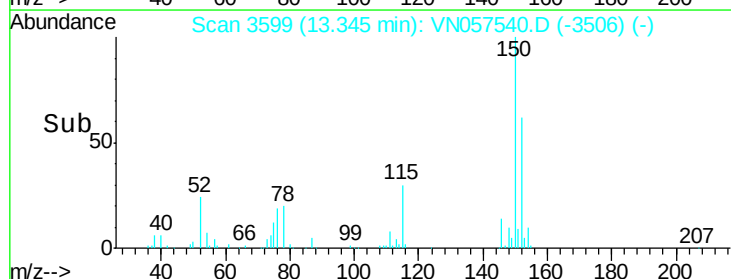


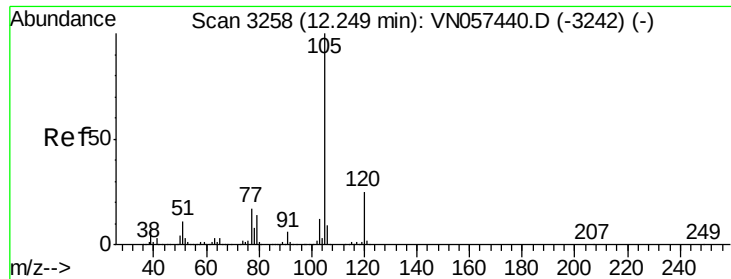
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057540.D
Acq: 27 Aug 2019 4:00

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	212990		
115	63.4	32.0	96.0	
150	172.8	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: 51.406 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 969489

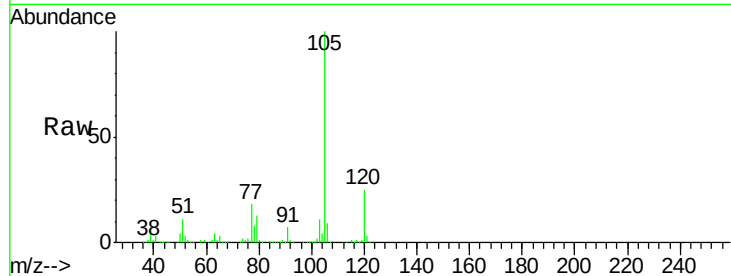
Ion Ratio Lower Upper

105 100

120 25.3 12.7 38.0

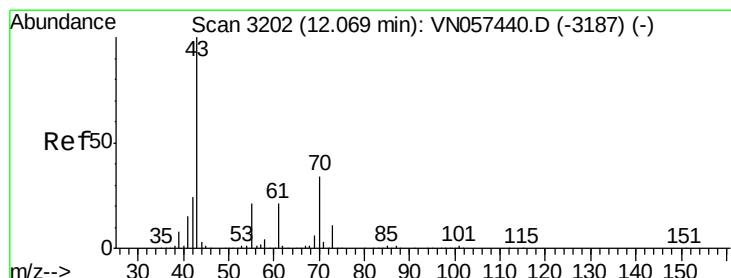
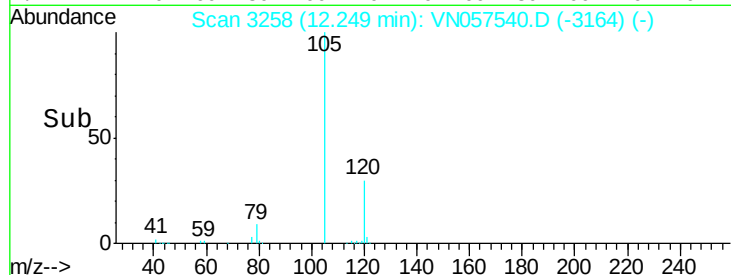
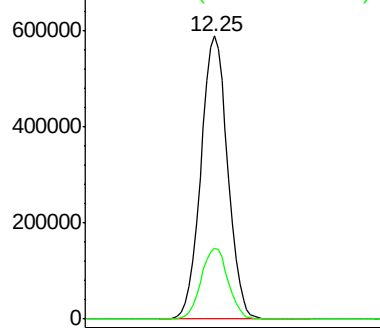
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.349 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Tgt Ion: 43 Resp: 431242

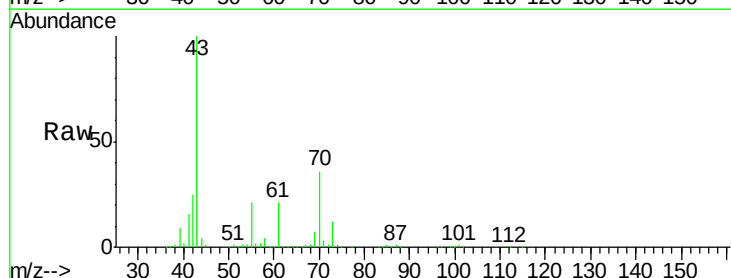
Ion Ratio Lower Upper

43 100

70 35.6 27.8 41.6

55 21.5 17.0 25.4

61 21.1 17.0 25.6

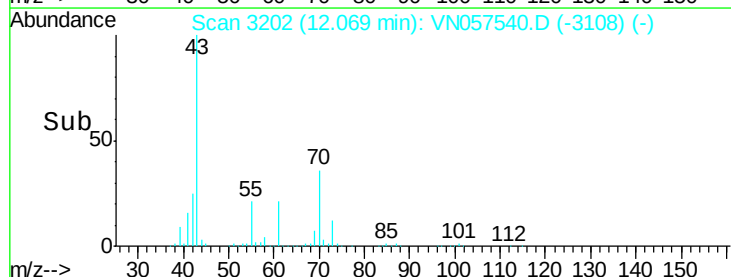
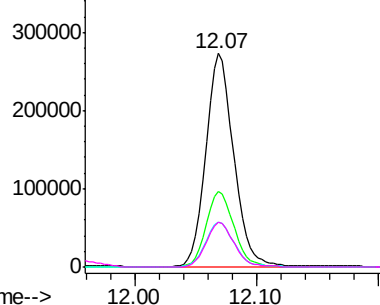


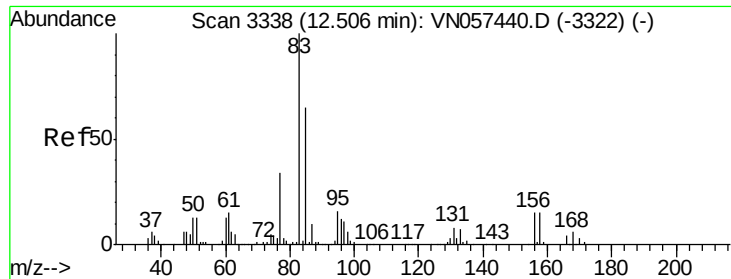
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.381 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

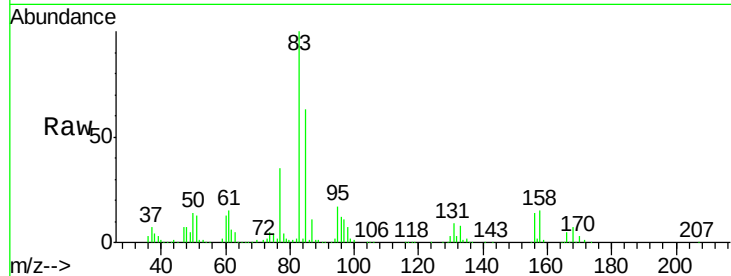
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	279045
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.3	13.1
85	62.2	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN057540.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN057540.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN057540.D (-3322) (-)

12.51

150000

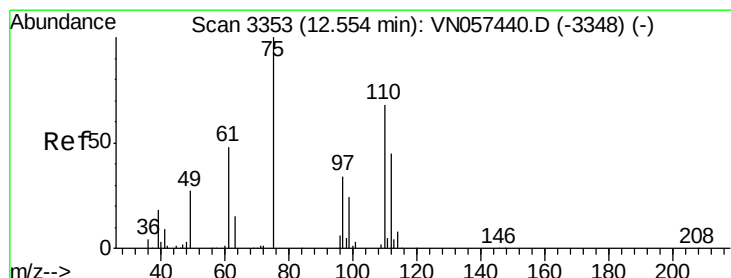
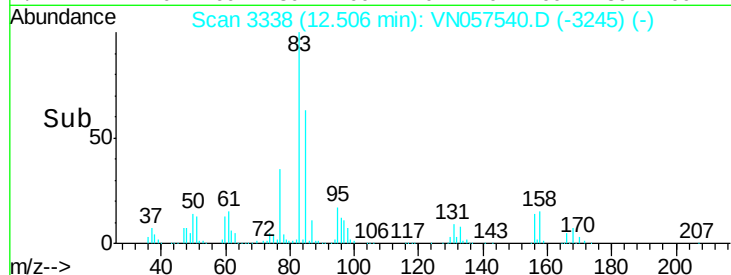
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 51.397 ug/l m

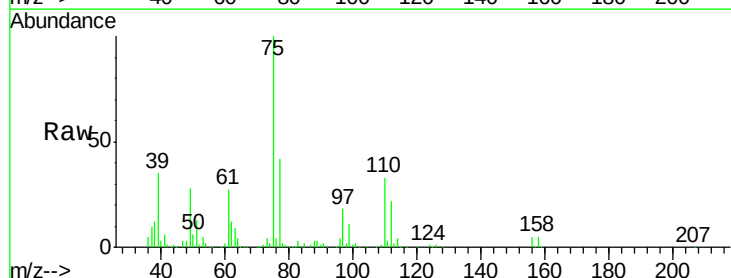
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Tgt Ion:	75	Resp:	241815
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057540.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN057540.D (-3353) (-)

250000

200000

150000

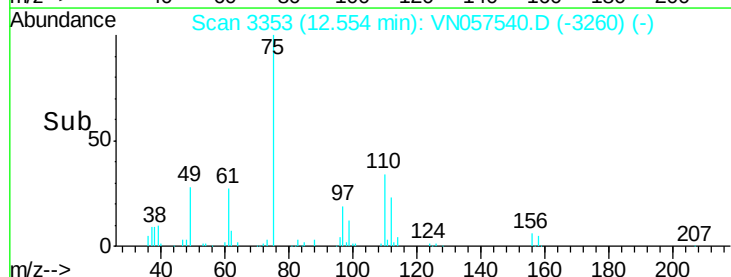
100000

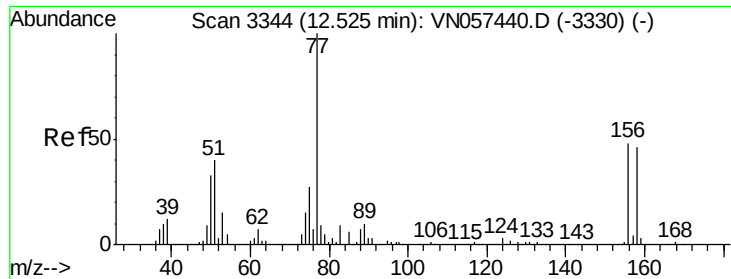
50000

0

12.55

Time-->





#77

Bromobenzene

Concen: 49.669 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

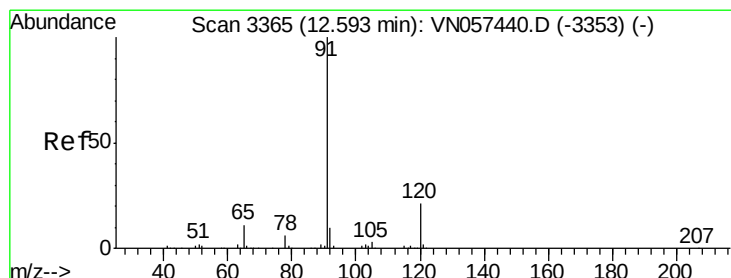
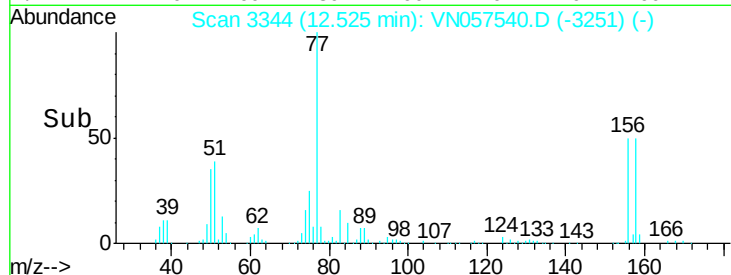
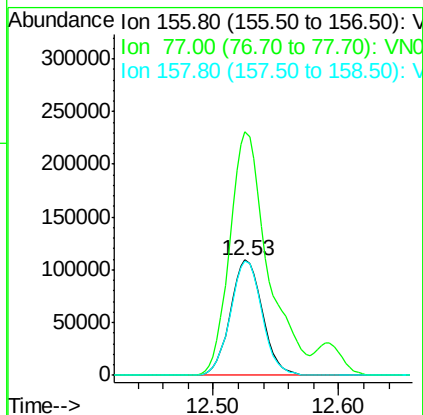
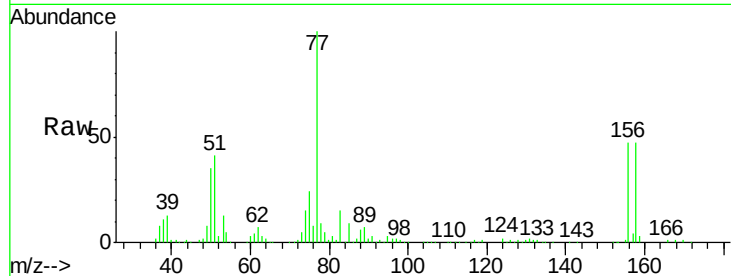
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	251.0	124.4	373.3
158	97.8	48.3	144.8

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#78

n-propylbenzene

Concen: 50.078 ug/l

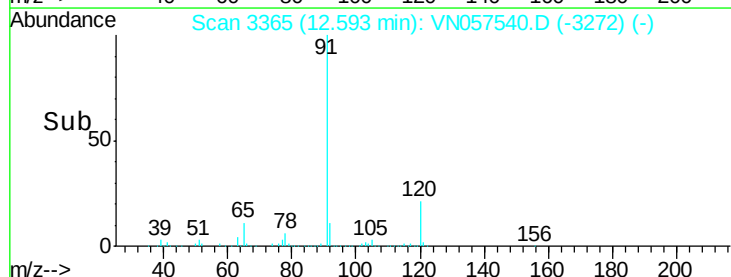
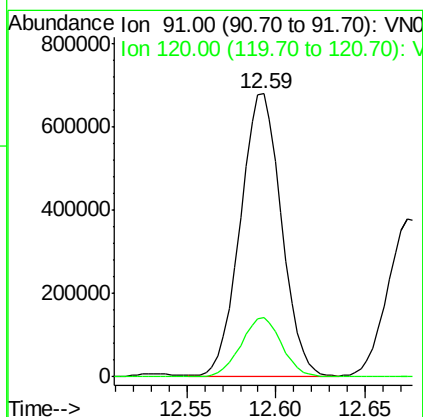
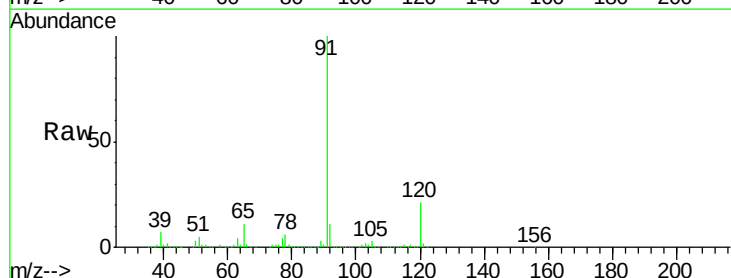
RT: 12.59 min Scan# 3365

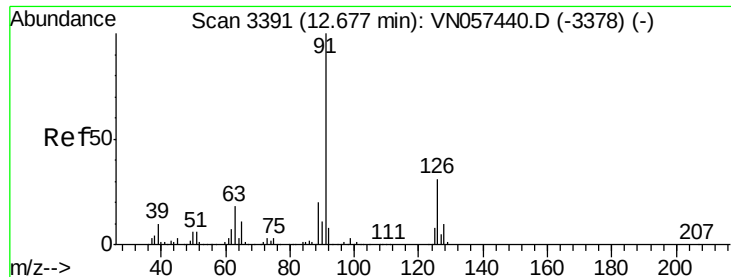
Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.7	32.1





#79

2-Chlorotoluene

Concen: 51.095 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 648409

Ion Ratio Lower Upper

91 100

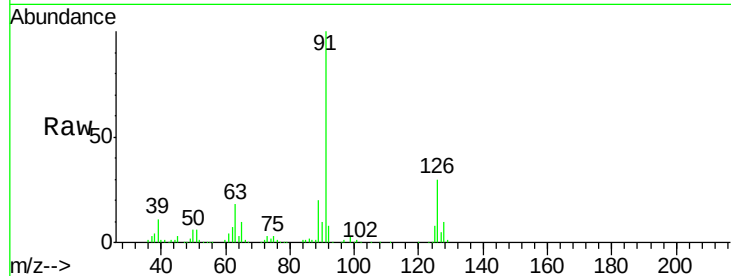
126 30.8 15.3 45.8

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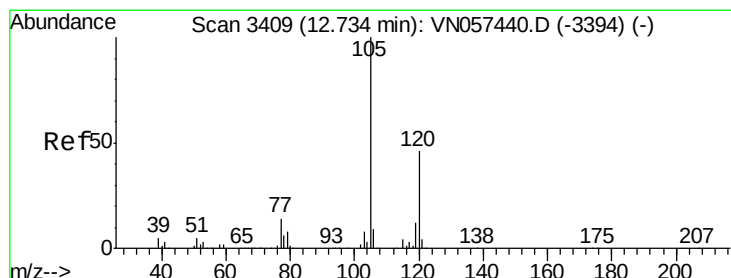
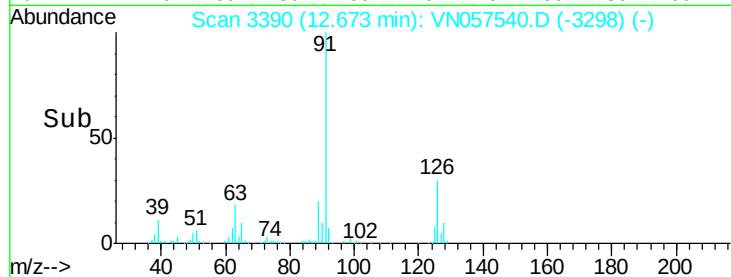
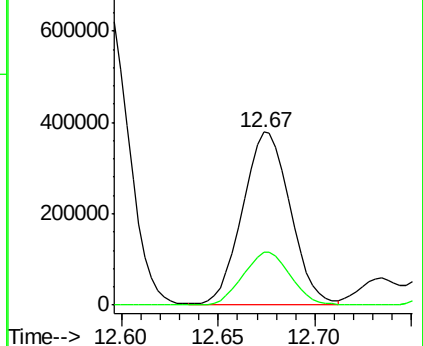
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Abundance Ion 91.00 (90.70 to 91.70): VN057540.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN057540.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.865 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057540.D

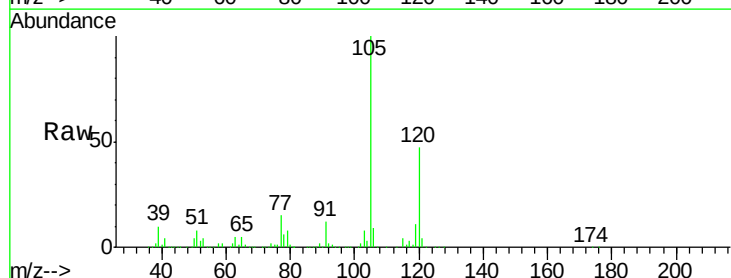
Acq: 27 Aug 2019 4:00

Tgt Ion: 105 Resp: 789040

Ion Ratio Lower Upper

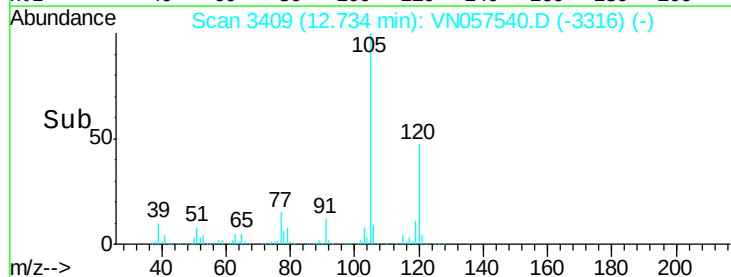
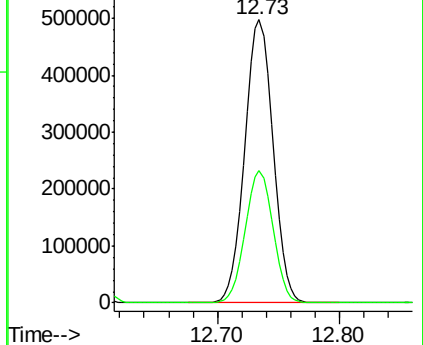
105 100

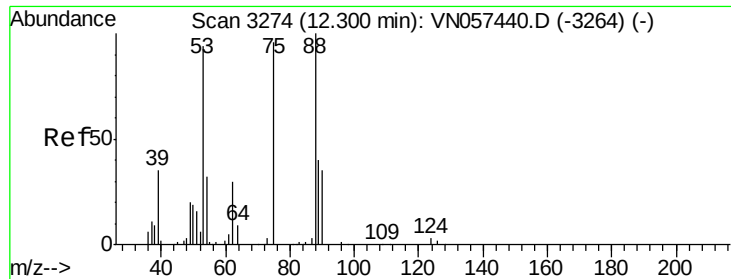
120 46.0 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): VN057540.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN057540.D (-3409) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 39.177 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 76489

Ion Ratio Lower Upper

75 100

53 105.1 82.7 124.1

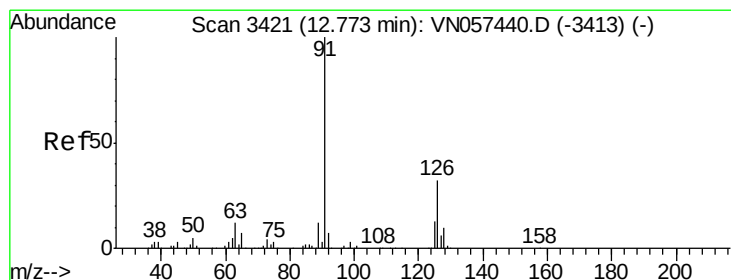
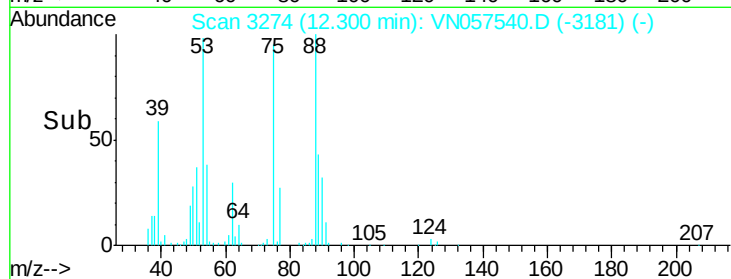
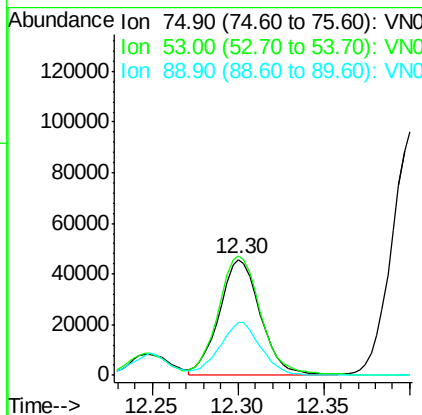
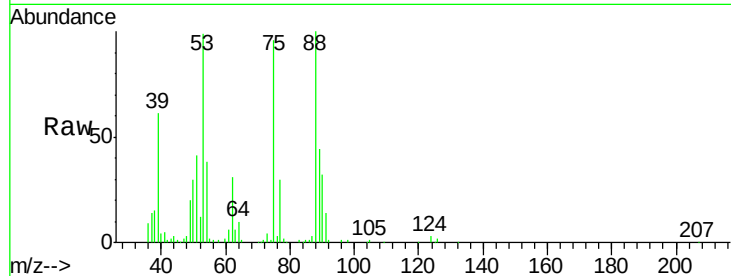
89 45.7 35.8 53.8

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#82

4-Chlorotoluene

Concen: 49.702 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057540.D

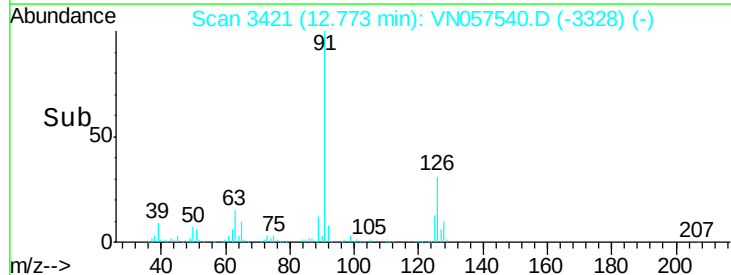
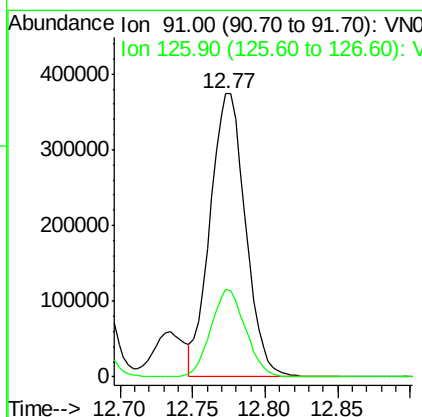
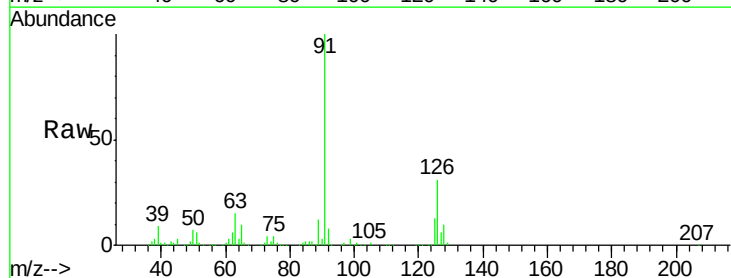
Acq: 27 Aug 2019 4:00

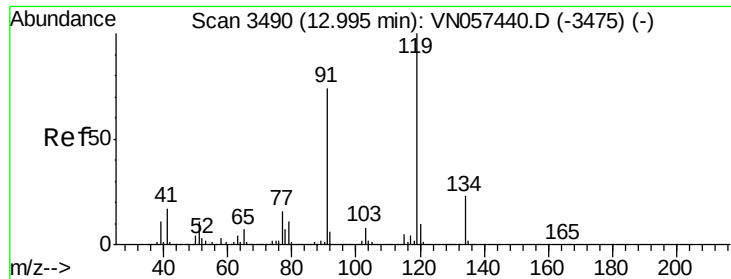
Tgt Ion: 91 Resp: 630722

Ion Ratio Lower Upper

91 100

126 30.4 15.0 45.0





#83

tert-Butylbenzene

Concen: 52.044 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 673488

Ion Ratio Lower Upper

119 100

91 73.4 37.0 111.0

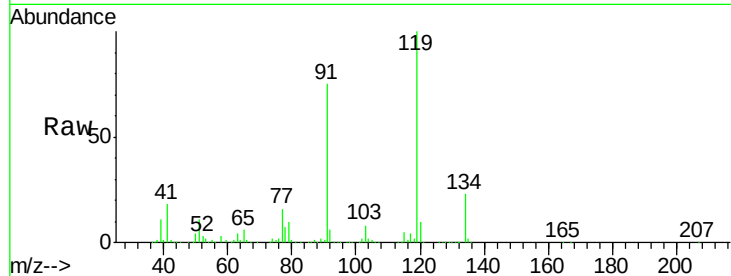
134 25.0 12.2 36.6

Manual Integrations

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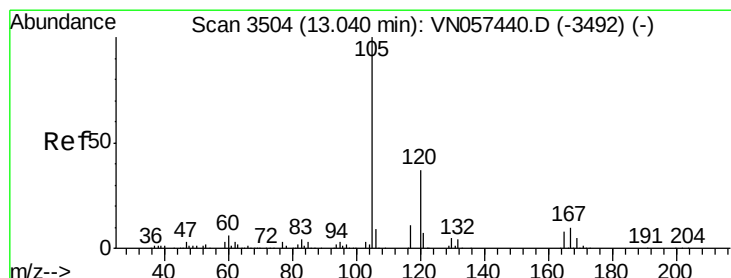
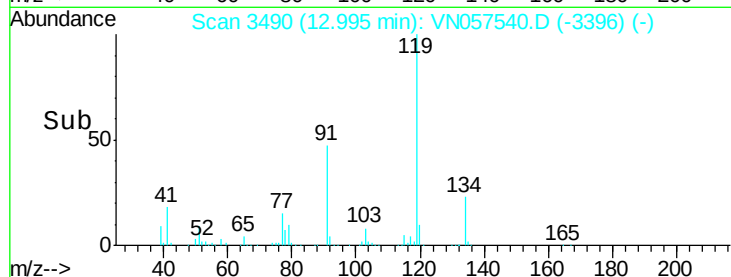
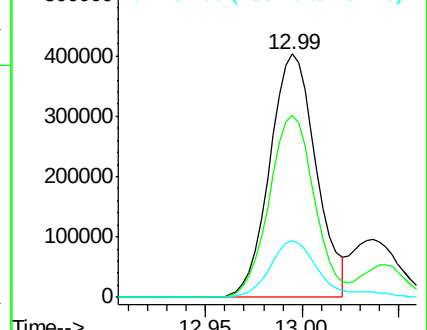
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 46.238 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN057540.D

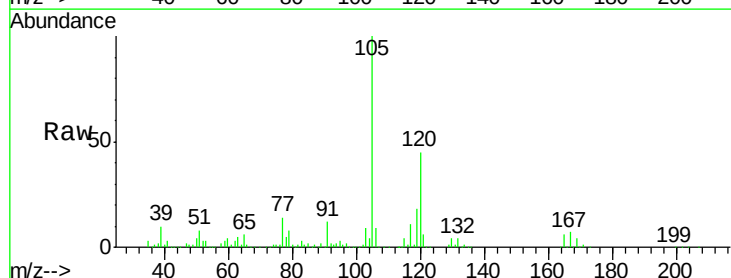
Acq: 27 Aug 2019 4:00

Tgt Ion:105 Resp: 765631

Ion Ratio Lower Upper

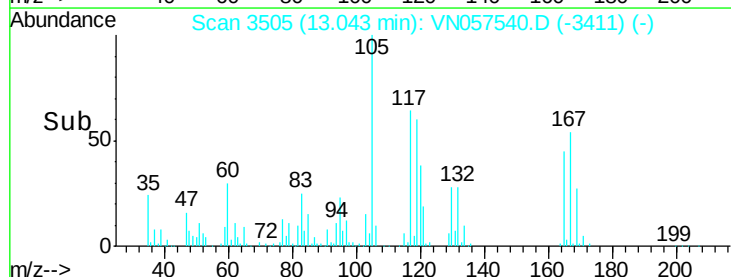
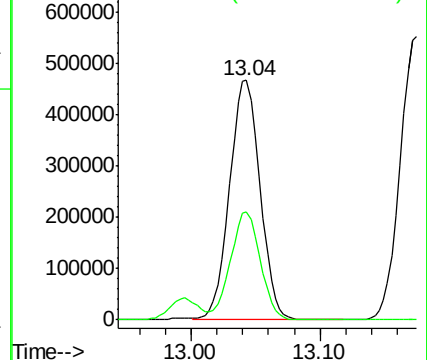
105 100

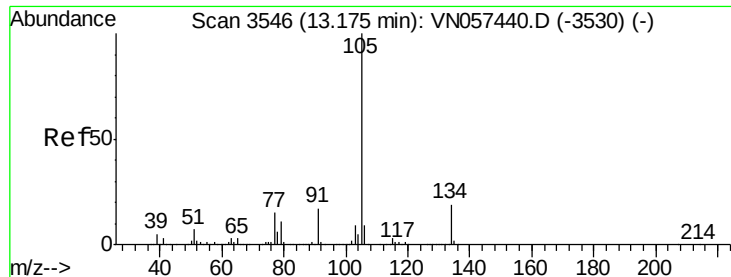
120 44.1 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.329 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 885484

Ion Ratio Lower Upper

105 100

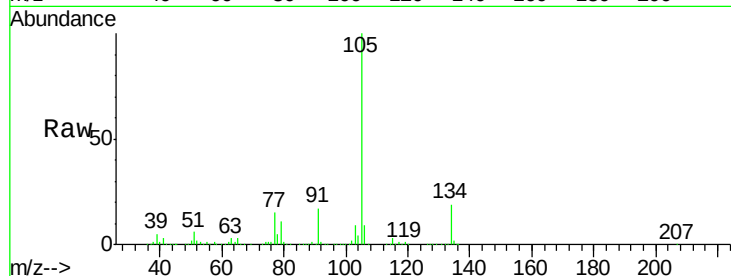
134 18.8 9.3 27.9

Manual Integrations

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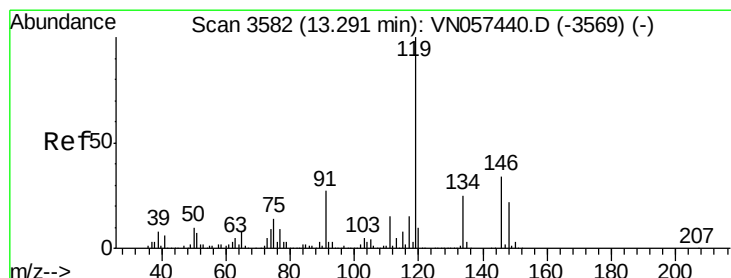
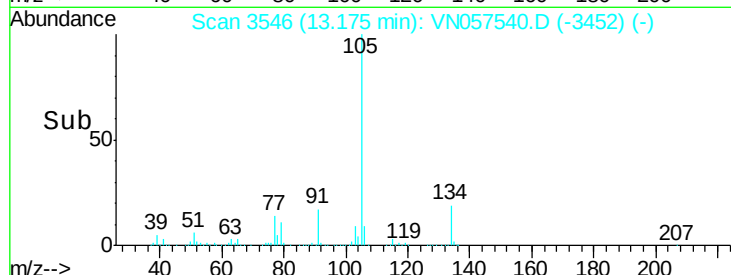
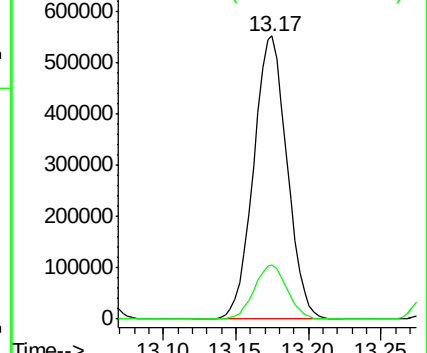
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.010 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

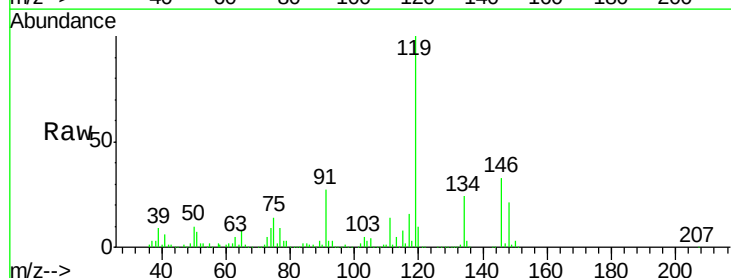
Tgt Ion:119 Resp: 749347

Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.1

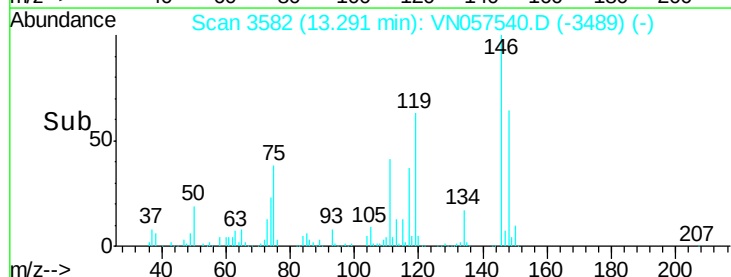
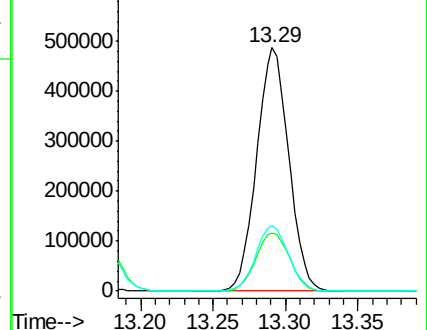
91 27.6 13.9 41.6

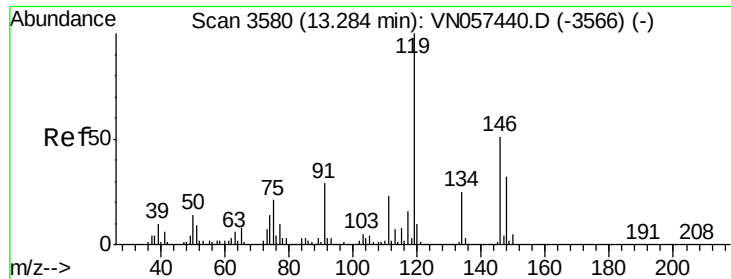


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





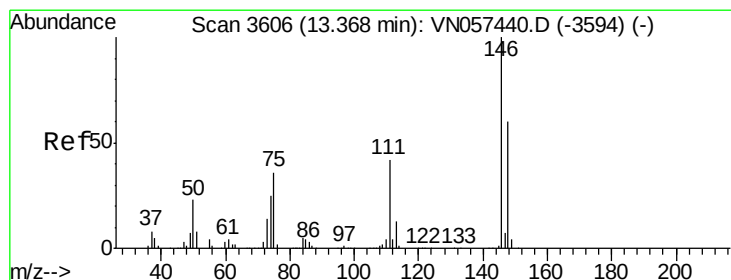
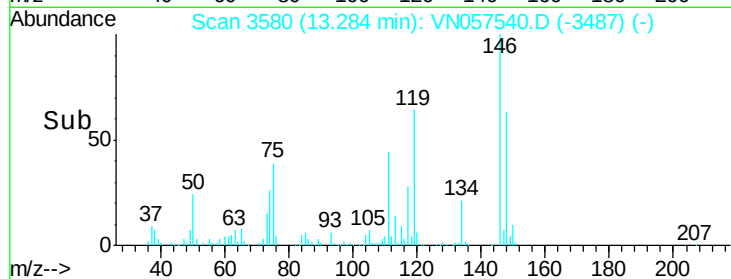
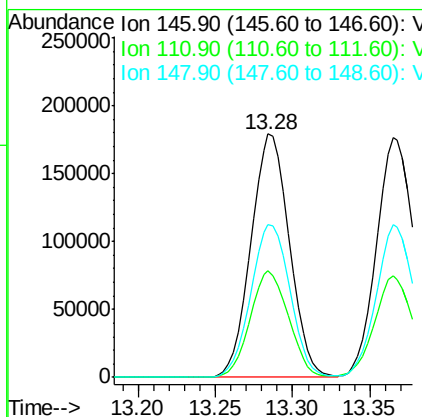
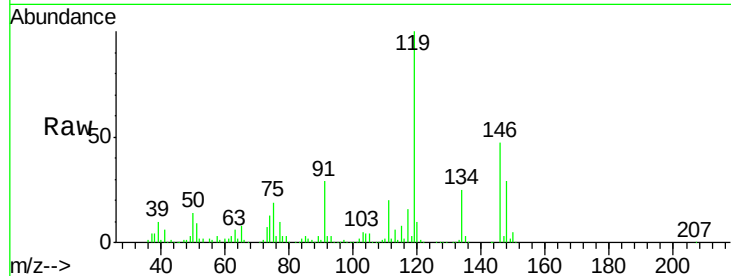
#87
 1,3-Dichlorobenzene
 Concen: 45.076 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	310113		
111	43.8	22.1	66.1	
148	64.1	31.9	95.9	

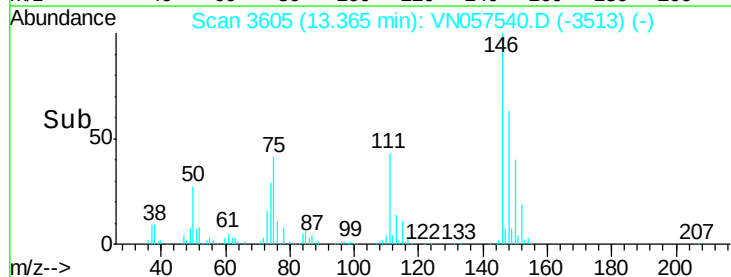
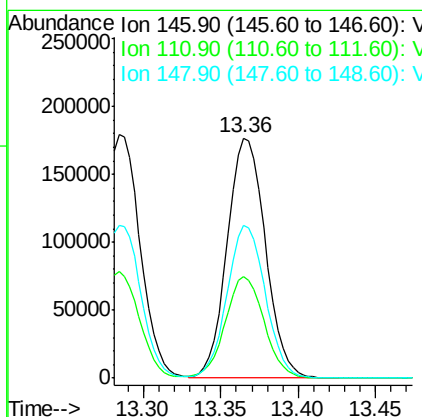
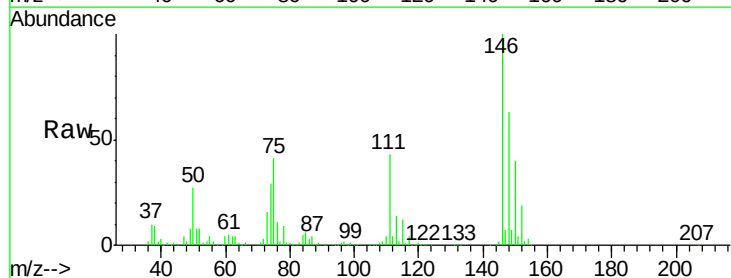
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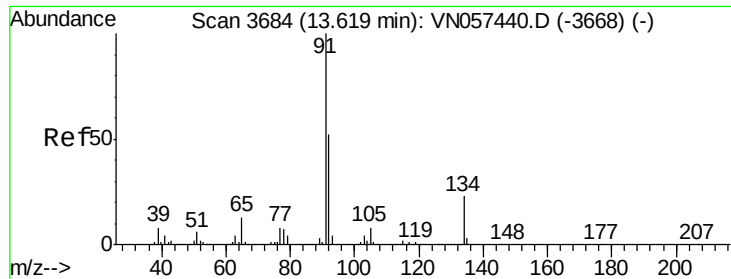
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#88
 1,4-Dichlorobenzene
 Concen: 45.067 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	303639		
111	43.0	21.9	65.5	
148	63.7	31.1	93.2	





#89

n-Butylbenzene

Concen: 45.439 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

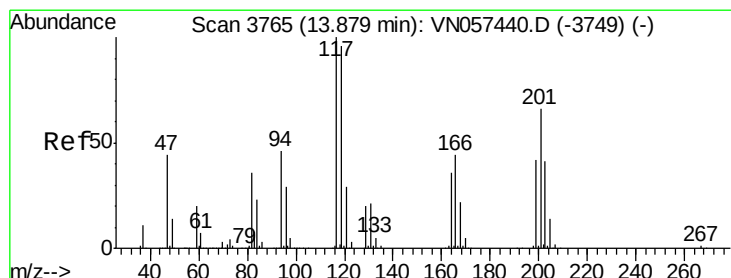
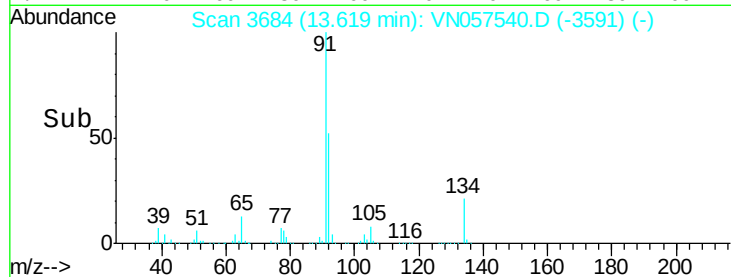
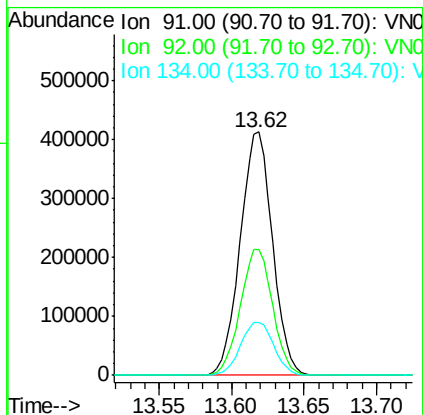
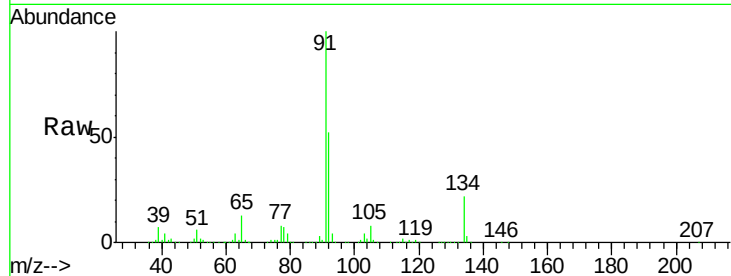
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	640167
Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.7	77.0
134	22.6	11.4	34.1

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#90

Hexachloroethane

Concen: 46.114 ug/l

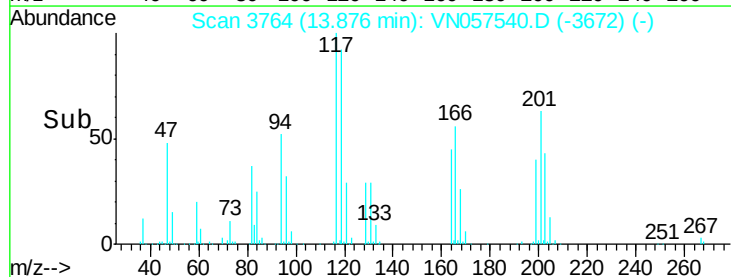
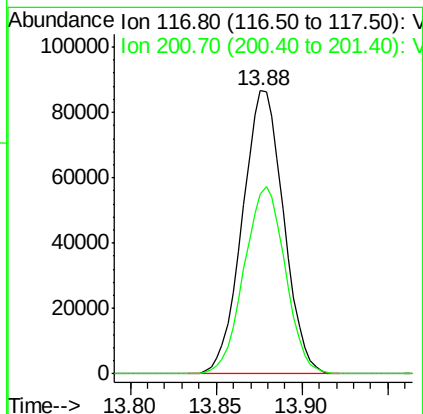
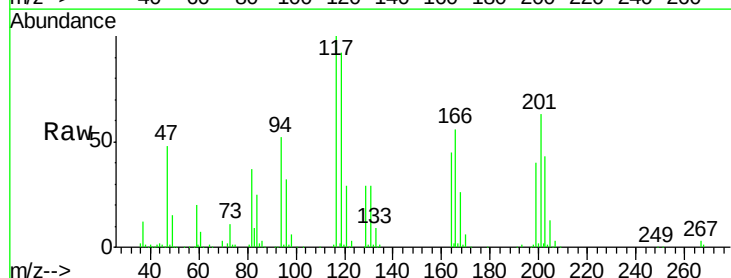
RT: 13.88 min Scan# 3764

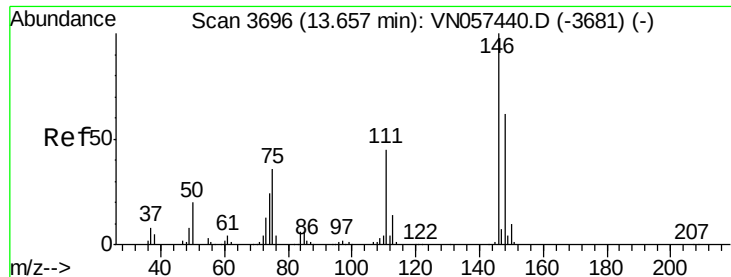
Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Tgt Ion:	117	Resp:	144483
Ion	Ratio	Lower	Upper
117	100		
201	65.8	33.1	99.3





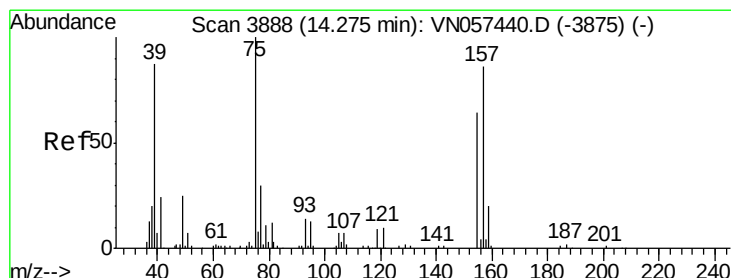
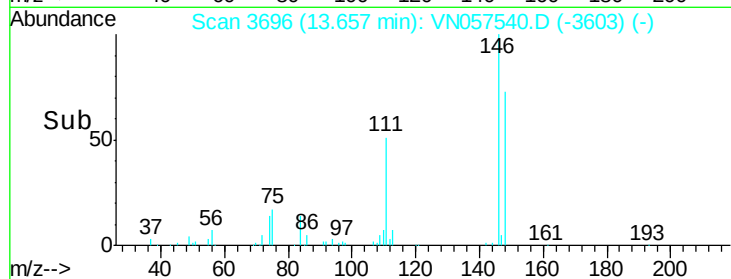
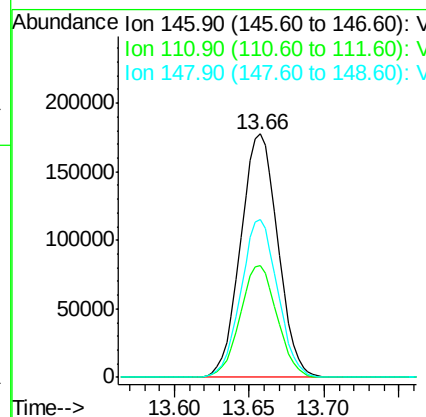
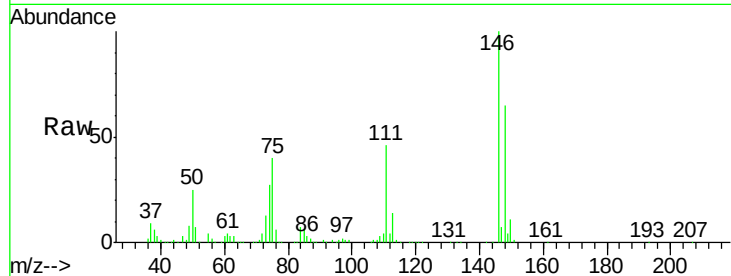
#91
 1,2-Dichlorobenzene
 Concen: 46.826 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	23.1	69.2
148	63.9	31.8	95.4

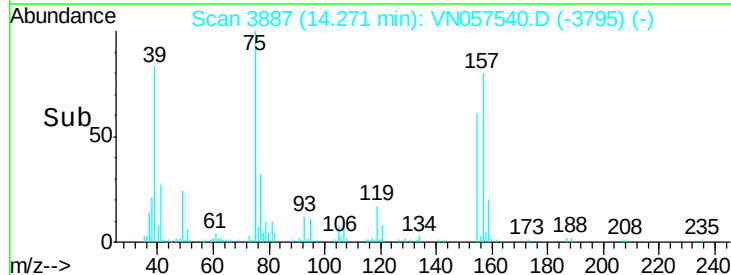
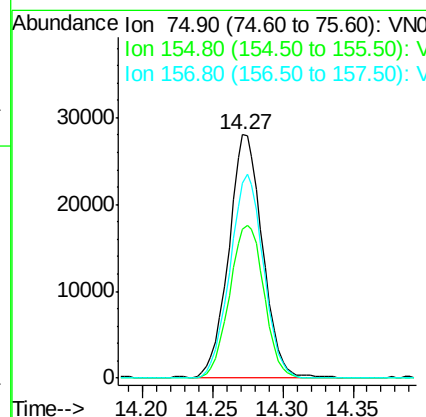
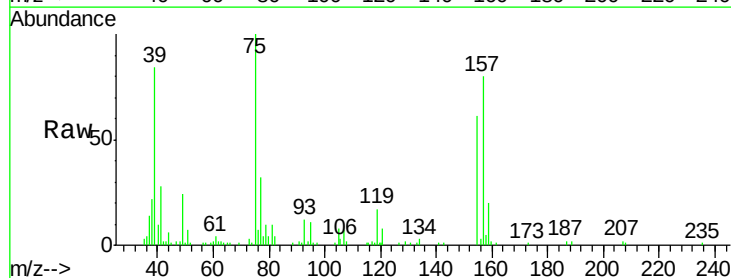
Manual Integrations
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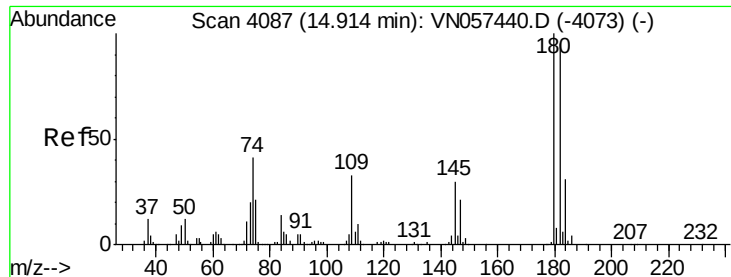
MMDadoda
 8/27/2019 5:30:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.163 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.6	31.6	94.7
157	82.7	43.3	129.8





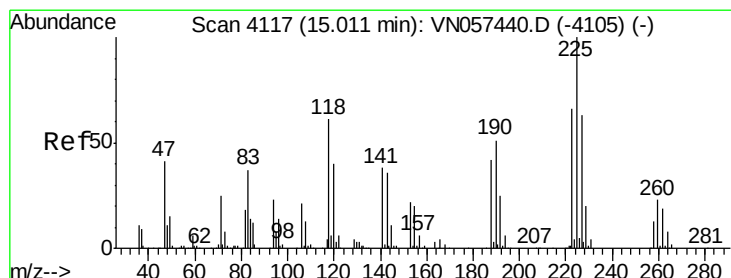
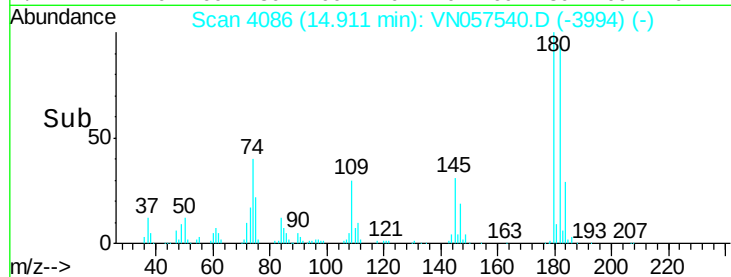
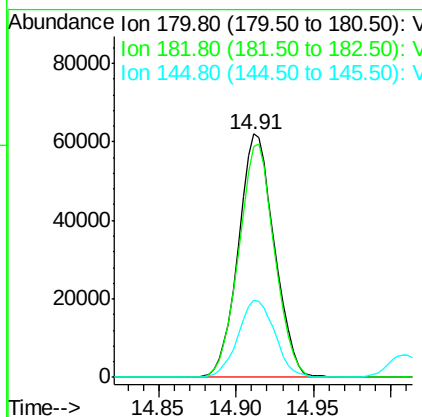
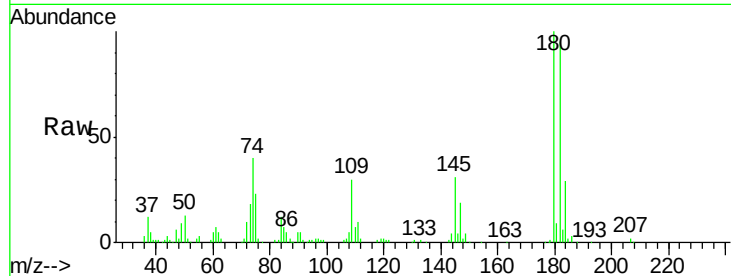
#93
 1,2,4-Trichlorobenzene
 Concen: 39.009 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.7	140.1
145	32.2	15.6	46.8

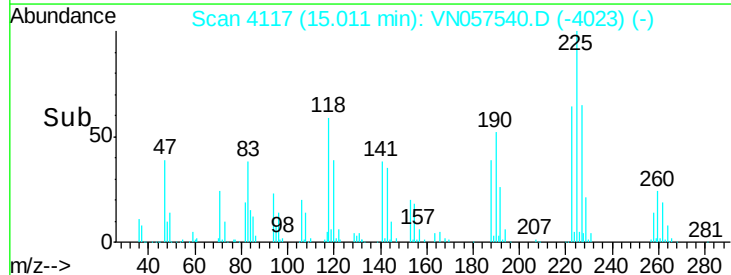
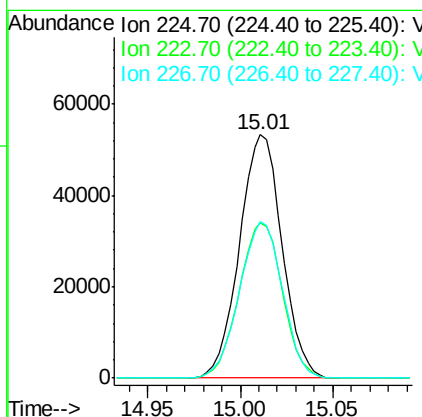
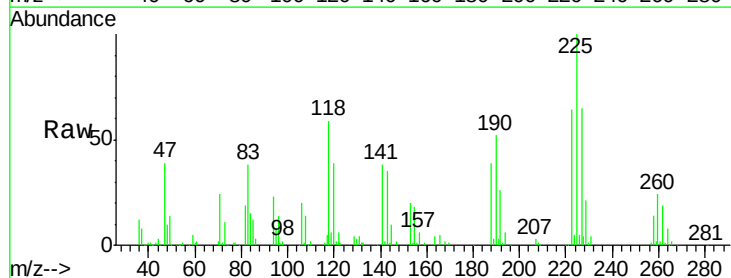
Manual Integrations
 APPROVED

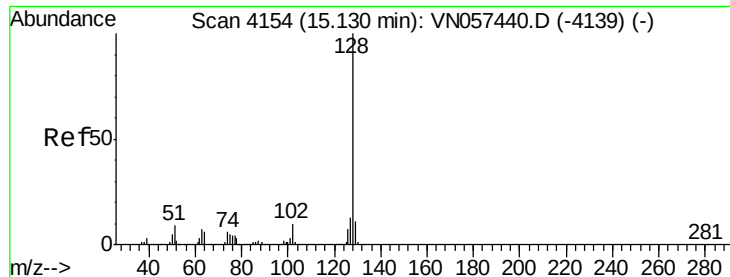
MMDadoda
 8/27/2019 5:30:53 PM



#94
 Hexachlorobutadiene
 Concen: 50.660 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057540.D
 Acq: 27 Aug 2019 4:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	32.0	96.2
227	65.1	31.5	94.5





#95

Naphthalene

Concen: 39.396 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Instrument :

MSVOA_N

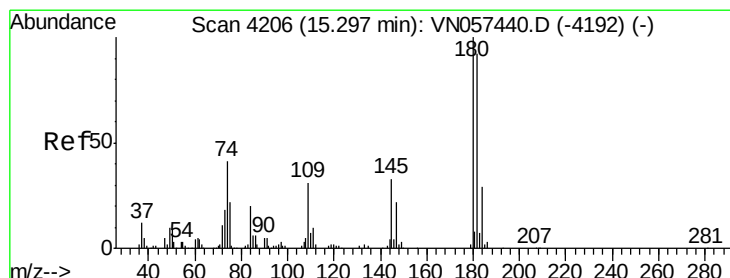
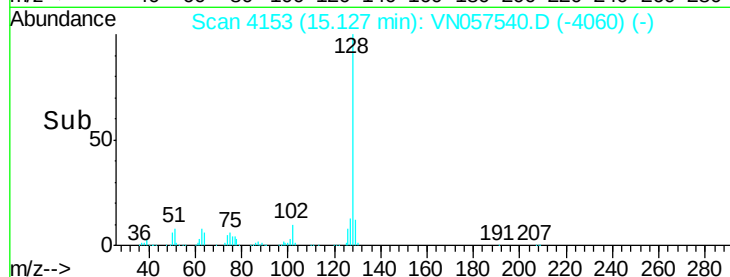
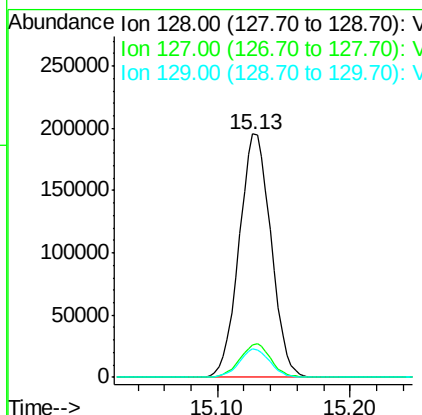
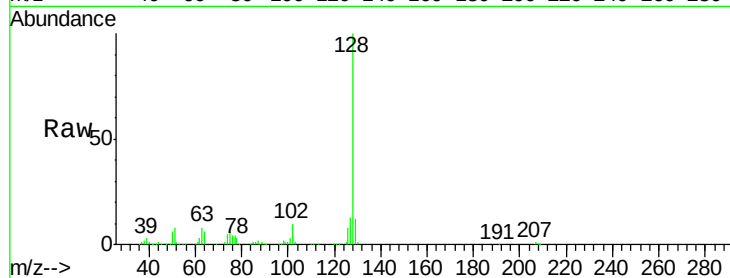
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	325269
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	11.1	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 39.224 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057540.D

Acq: 27 Aug 2019 4:00

Tgt Ion:	180	Resp:	100885
Ion Ratio	Lower	Upper	
180	100		
182	94.5	46.7	140.1
145	33.3	16.8	50.3

