

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081419\
 Data File : VN057287.D
 Acq On : 14 Aug 2019 14:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:52:52 AM

Quant Time: Aug 14 15:19:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 11:11:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	891805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1349053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1230439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	509435	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	490566	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
35) Dibromofluoromethane	7.58	113	432458	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
50) Toluene-d8	10.09	98	1645246	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.40	95	569599	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	374539	49.820	ug/l	99
3) Chloromethane	2.05	50	430376	50.496	ug/l	100
4) Vinyl Chloride	2.18	62	416596	50.321	ug/l	99
5) Bromomethane	2.54	94	302557m	50.821	ug/l	
6) Chloroethane	2.69	64	282662	51.926	ug/l	100
7) Trichlorofluoromethane	3.01	101	652893	50.124	ug/l	100
8) Diethyl Ether	3.40	74	247951	52.532	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	378842	48.437	ug/l	99
10) Methyl Iodide	3.95	142	646422	53.202	ug/l	98
11) Tert butyl alcohol	4.76	59	341276	281.694	ug/l #	82
12) 1,1-Dichloroethene	3.73	96	393102	50.655	ug/l	97
13) Acrolein	3.60	56	236283	272.601	ug/l	99
14) Allyl chloride	4.31	41	612982	52.070	ug/l	100
15) Acrylonitrile	4.97	53	954020	279.512	ug/l	100
16) Acetone	3.80	43	722414	234.222	ug/l	99
17) Carbon Disulfide	4.05	76	1044700	49.250	ug/l	99
18) Methyl Acetate	4.31	43	454355	57.314	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	1225692	52.894	ug/l	99
20) Methylene Chloride	4.55	84	451983	50.166	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	408419	49.370	ug/l	97
22) Diisopropyl ether	5.94	45	1235233	53.366	ug/l	98
23) Vinyl Acetate	5.88	43	5021963	273.799	ug/l	100
24) 1,1-Dichloroethane	5.84	63	753611	51.678	ug/l	99
25) 2-Butanone	6.82	43	1189044	271.154	ug/l	99
26) 2,2-Dichloropropane	6.82	77	570698	47.700	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	481225	50.445	ug/l	99
28) Bromochloromethane	7.18	49	350089	54.404	ug/l	96
29) Tetrahydrofuran	7.20	42	761194	271.538	ug/l	100
30) Chloroform	7.36	83	766289	50.304	ug/l	97
31) Cyclohexane	7.64	56	631367	49.538	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	679260	52.716	ug/l	100
36) 1,1-Dichloropropene	7.79	75	572703	48.557	ug/l	99
37) Ethyl Acetate	6.91	43	496599	52.384	ug/l	99
38) Carbon Tetrachloride	7.77	117	599864	47.878	ug/l	98

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MMdadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	661511	47.371	ug/l	97
40) Benzene	8.03	78	1746522	48.743	ug/l	98
41) Methacrylonitrile	7.17	41	213600m	53.797	ug/l	
42) 1,2-Dichloroethane	8.12	62	582266	50.711	ug/l	99
43) Isopropyl Acetate	8.16	43	909993	58.286	ug/l	95
44) Trichloroethene	8.83	130	491525	47.323	ug/l	97
45) 1,2-Dichloropropane	9.11	63	451811	49.772	ug/l	100
46) Dibromomethane	9.20	93	303901	49.653	ug/l	97
47) Bromodichloromethane	9.40	83	607112	51.450	ug/l	100
48) Methyl methacrylate	9.19	41	393093	54.414	ug/l	99
49) 1,4-Dioxane	9.19	88	165483	1016.478	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2475561	270.028	ug/l	98
52) Toluene	10.15	92	1116941	50.176	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	657820	52.117	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	718906	50.538	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	432748	49.735	ug/l	99
56) Ethyl methacrylate	10.43	69	662466	54.267	ug/l	100
57) 1,3-Dichloropropane	10.70	76	723122	50.372	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	868777	243.992	ug/l	99
59) 2-Hexanone	10.75	43	1782291	274.000	ug/l	99
60) Dibromochloromethane	10.90	129	494140	50.642	ug/l	100
61) 1,2-Dibromoethane	11.00	107	461970	51.141	ug/l	99
64) Tetrachloroethene	10.63	164	496738	45.706	ug/l	100
65) Chlorobenzene	11.43	112	1210576	48.080	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	461485	47.463	ug/l	99
67) Ethyl Benzene	11.51	91	2135713	49.687	ug/l	99
68) m/p-Xylenes	11.62	106	1606853	100.194	ug/l	99
69) o-Xylene	11.95	106	791741	50.421	ug/l	100
70) Styrene	11.96	104	1311266	53.936	ug/l	99
71) Bromoform	12.13	173	381290	51.178	ug/l #	99
73) Isopropylbenzene	12.25	105	2107206	53.782	ug/l	98
74) N-amyl acetate	12.07	43	666592	55.790	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	595486	56.145	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	495153m	55.895	ug/l	
77) Bromobenzene	12.53	156	562637	53.194	ug/l	98
78) n-propylbenzene	12.59	91	2231861	52.187	ug/l	99
79) 2-Chlorotoluene	12.67	91	1374969	53.426	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1759495	52.899	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	186728	49.233	ug/l	95
82) 4-Chlorotoluene	12.77	91	1325063	47.692	ug/l	98
83) tert-Butylbenzene	12.99	119	1551915	52.750	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1665616	46.430	ug/l	99
85) sec-Butylbenzene	13.17	105	1945957	51.883	ug/l	99
86) p-Isopropyltoluene	13.29	119	1695781	45.268	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	855684	48.486	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	798395	46.512	ug/l	99
89) n-Butylbenzene	13.62	91	1267174	48.226	ug/l	99
90) Hexachloroethane	13.88	117	325445	52.203	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	813350	47.269	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83387	49.002	ug/l	99

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VSTDCCC050EC

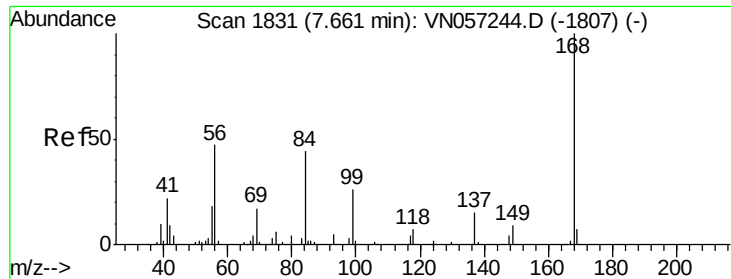
Manual Integrations
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8/19/2019 1:52:52 AM

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Quant Title : SW846 8260
QLast Update : Wed Aug 14 11:11:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	290120	43.702	ug/l	100
94) Hexachlorobutadiene	15.01	225	333571	50.922	ug/l	99
95) Naphthalene	15.13	128	544706	50.935	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	253261	42.718	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 891805

Ion Ratio Lower Upper

168 100

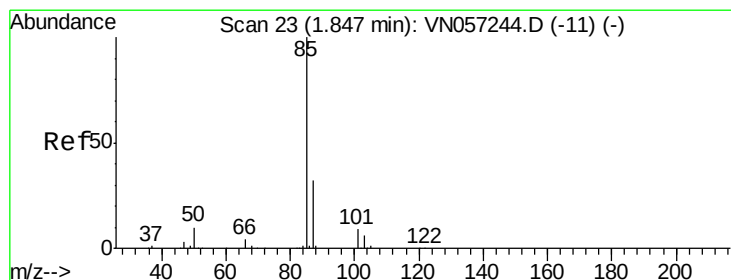
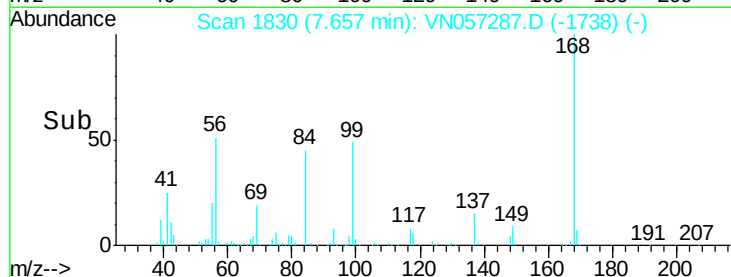
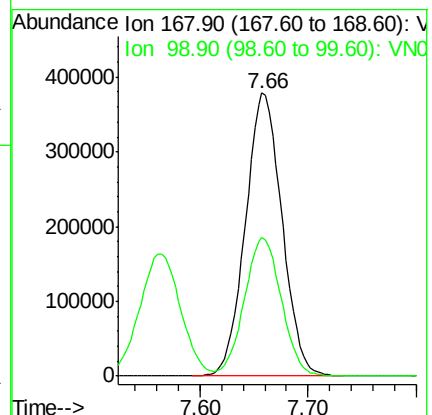
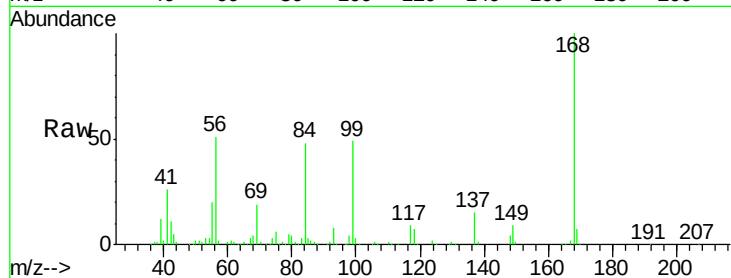
99 48.7 38.6 58.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 49.820 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057287.D

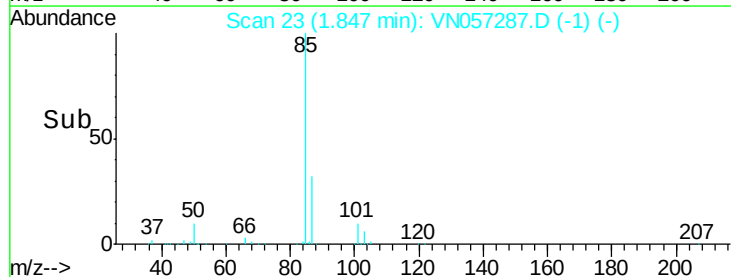
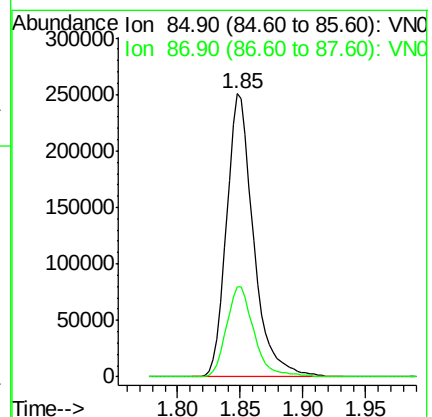
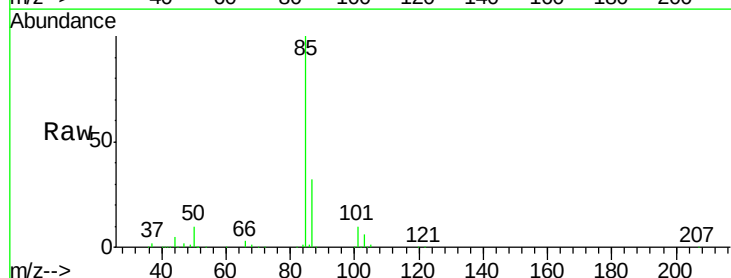
Acq: 14 Aug 2019 14:57

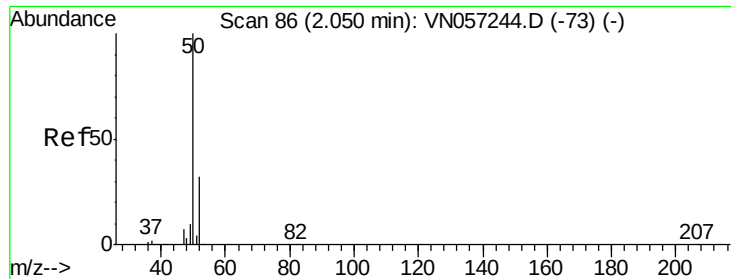
Tgt Ion: 85 Resp: 374539

Ion Ratio Lower Upper

85 100

87 31.9 16.2 48.6





#3

Chloromethane

Concen: 50.496 ug/l

RT: 2.05 min Scan# 86

Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Tot Ion: 50 Resp: 430376

Ion Ratio Lower Upper

50 100

52 32.0 25.6 38.4

Instrument :

MSVOA_N

ClientSampleId :

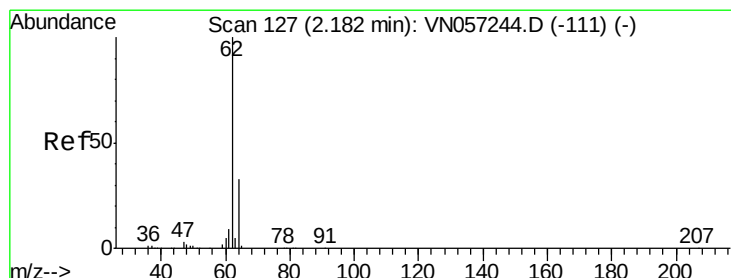
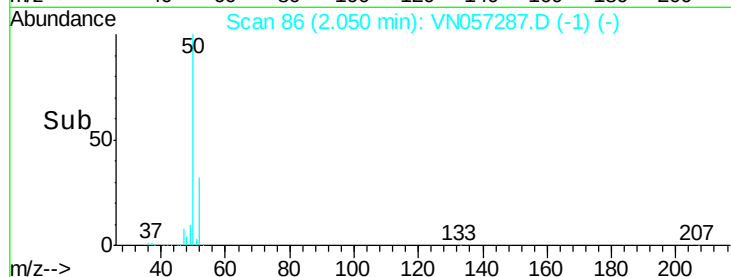
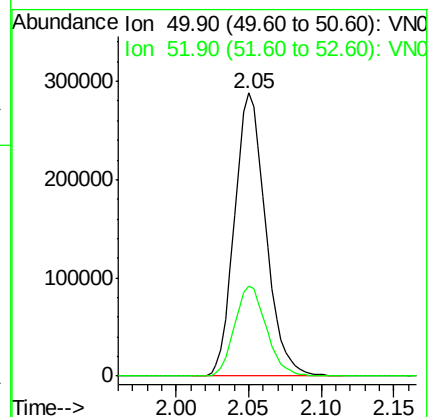
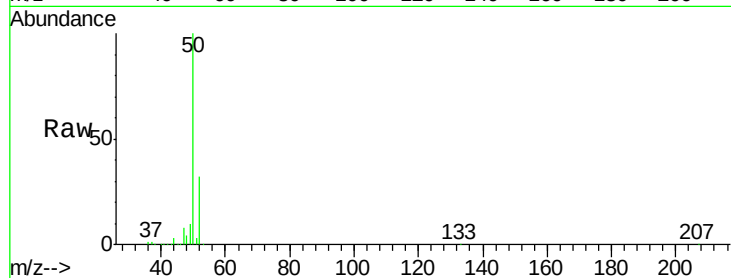
VSTDCCC050EC

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.321 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057287.D

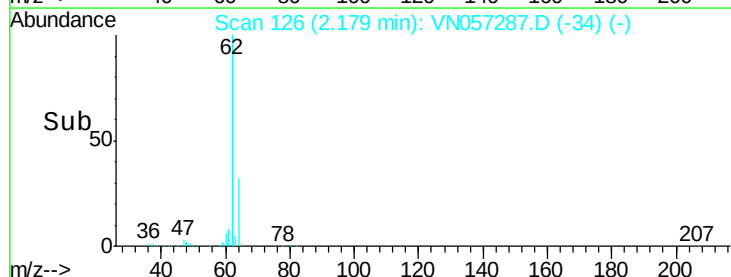
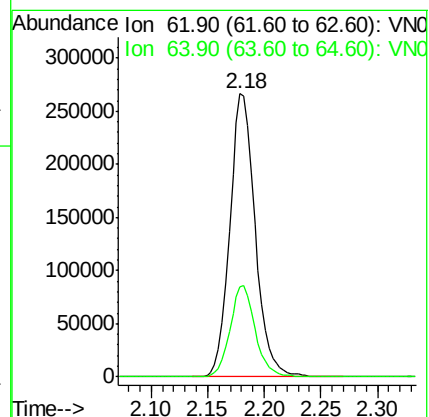
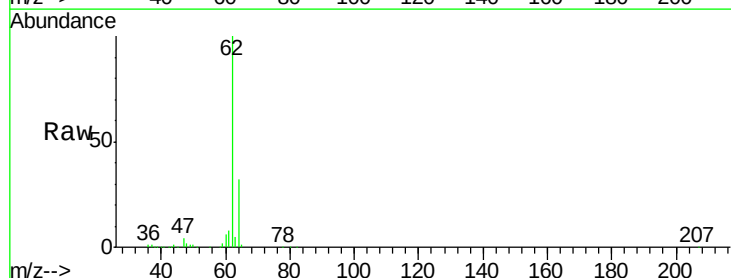
Acq: 14 Aug 2019 14:57

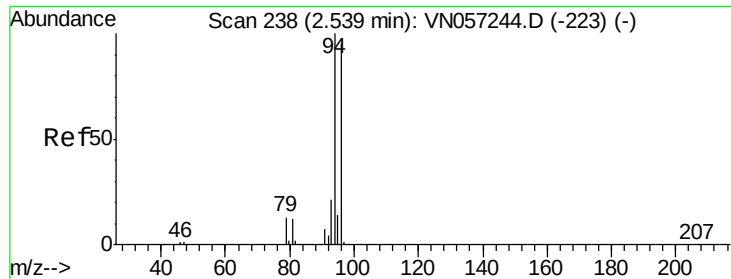
Tgt Ion: 62 Resp: 416596

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.2





#5

Bromomethane

Concen: 50.821 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 302557

Ion Ratio Lower Upper

94 100

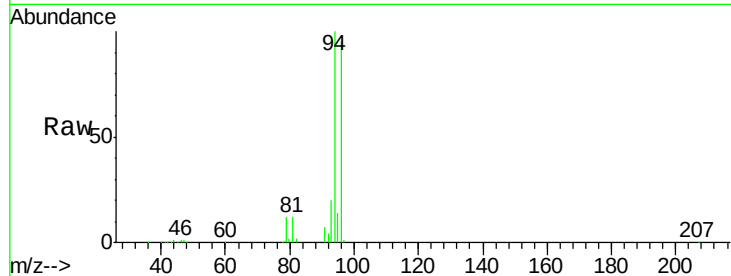
96 95.3 75.7 113.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

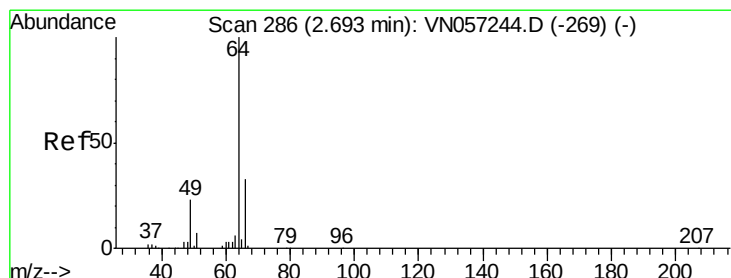
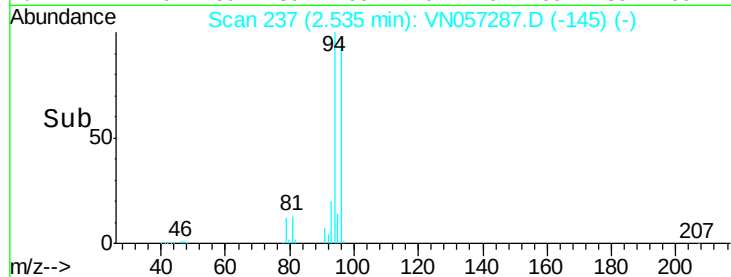
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 51.926 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.01 min

Lab File: VN057287.D

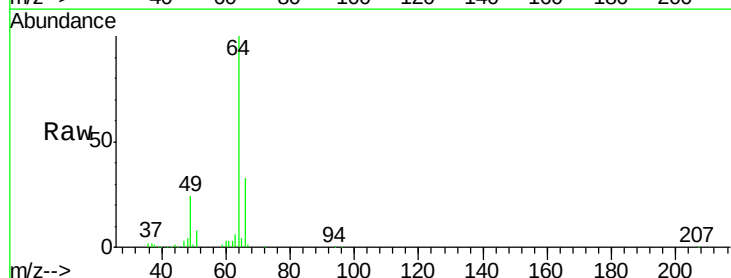
Acq: 14 Aug 2019 14:57

Tgt Ion: 64 Resp: 282662

Ion Ratio Lower Upper

64 100

66 32.6 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

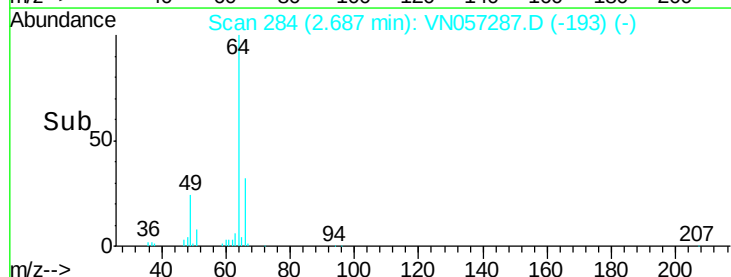
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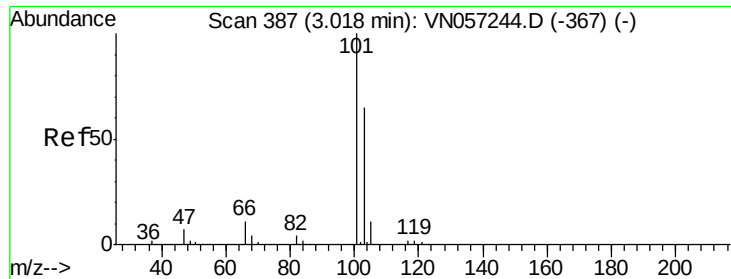
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50000

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Time-->





#7

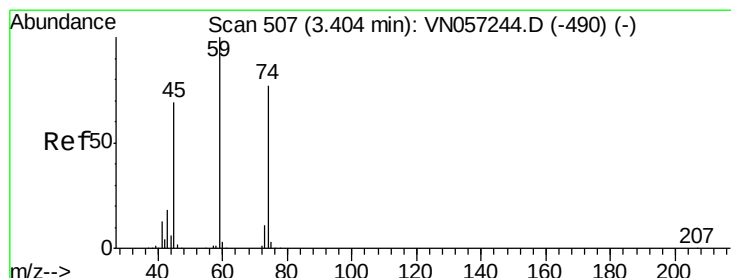
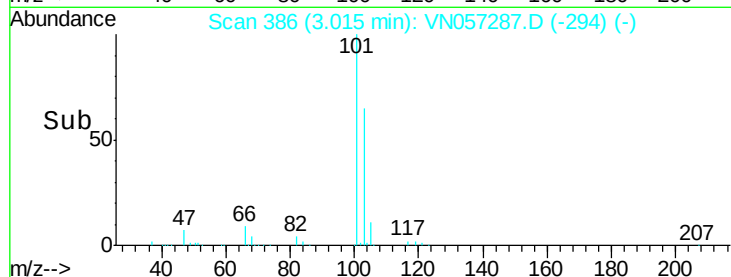
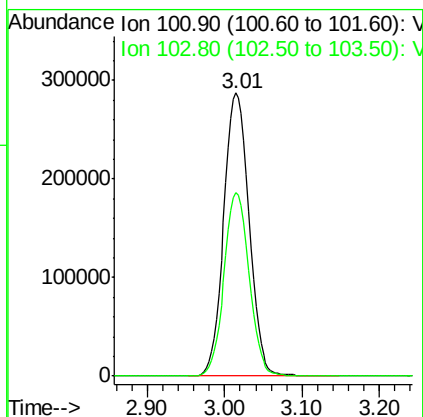
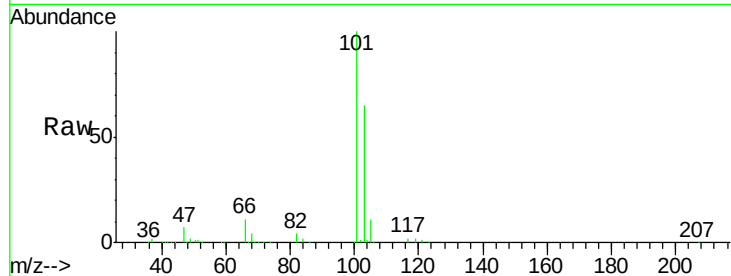
Trichlorofluoromethane
 Concen: 50.124 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.8	77.6

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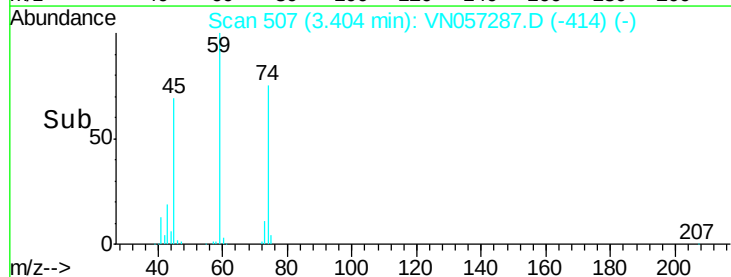
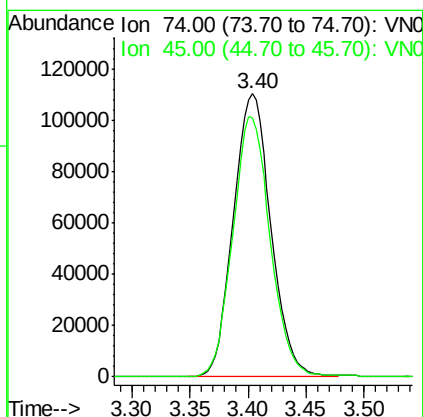
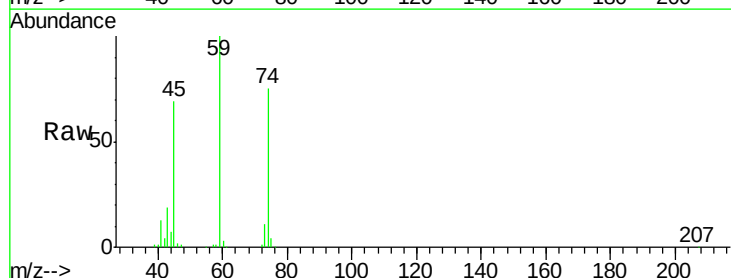
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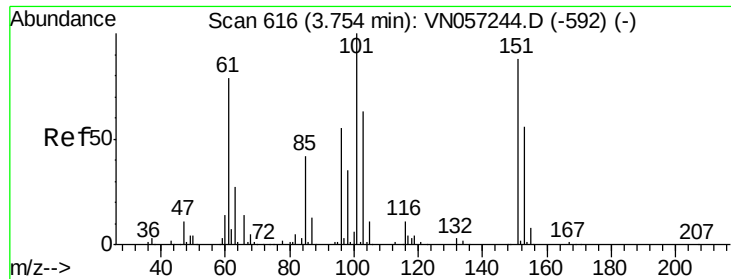


#8

Diethyl Ether
 Concen: 52.532 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.0	45.1	135.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.437 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Instrument :

MSVOA_N

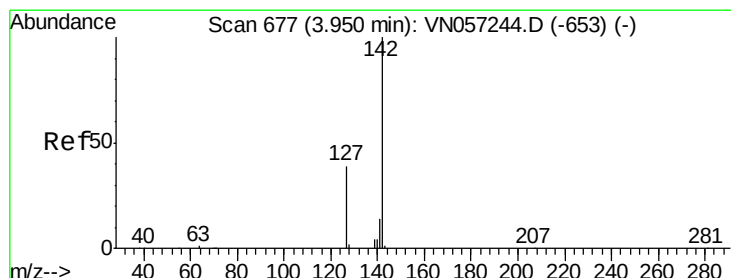
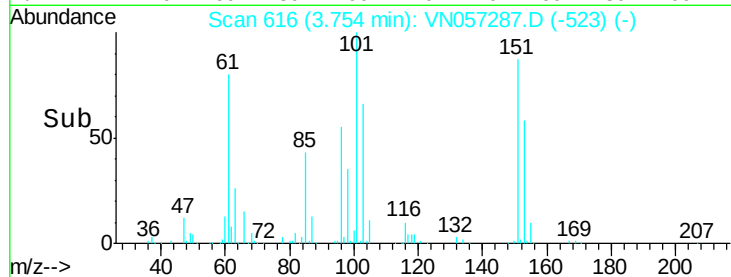
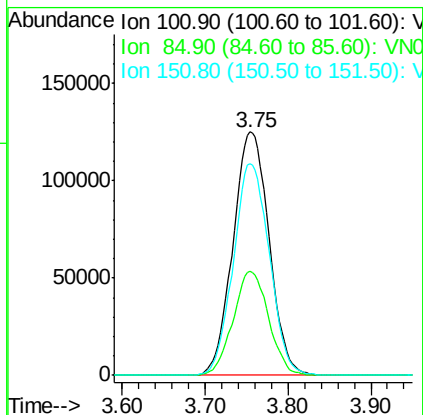
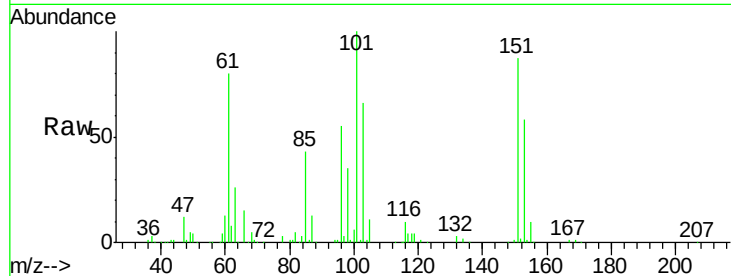
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	378842
Ion Ratio	Lower	Upper	
101	100		
85	42.0	32.7	49.1
151	87.0	70.1	105.1

Manual Integrations
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#10

Methyl Iodide

Concen: 53.202 ug/l

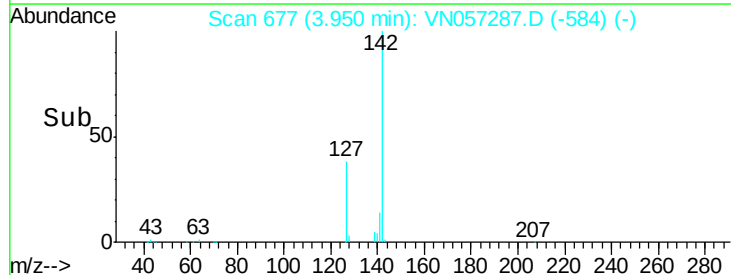
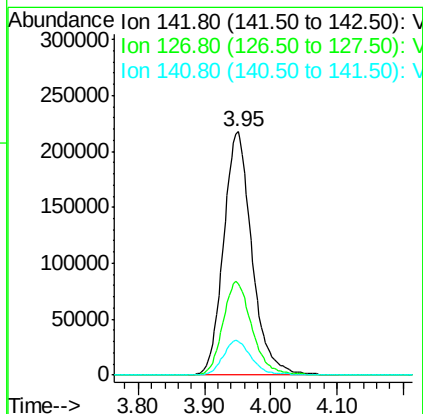
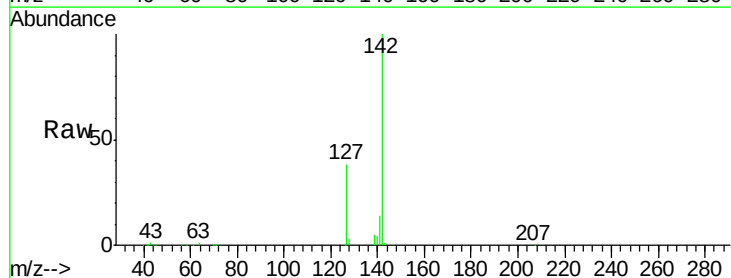
RT: 3.95 min Scan# 677

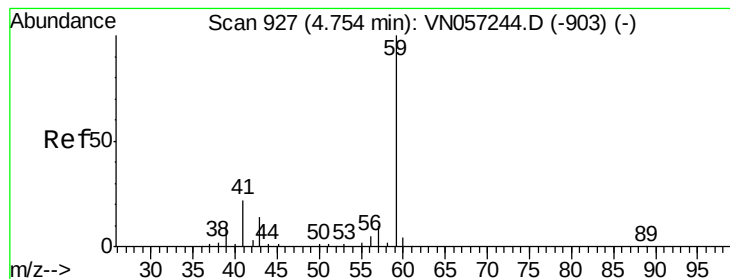
Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Tgt Ion:	142	Resp:	646422
Ion Ratio	Lower	Upper	
142	100		
127	39.4	30.7	46.1
141	14.2	11.0	16.6





#11

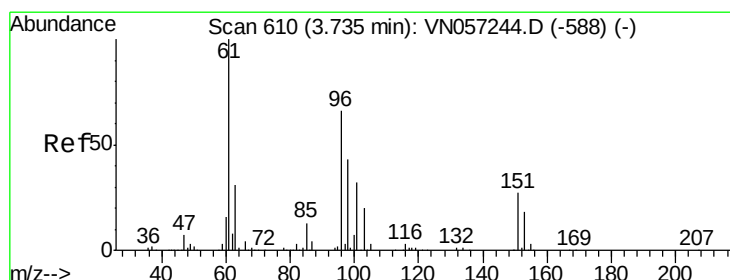
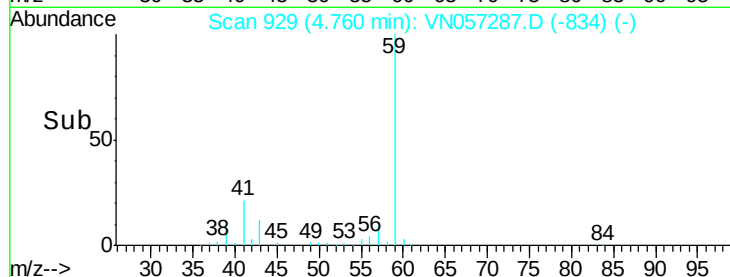
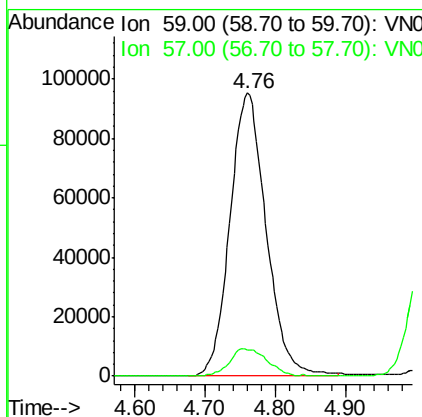
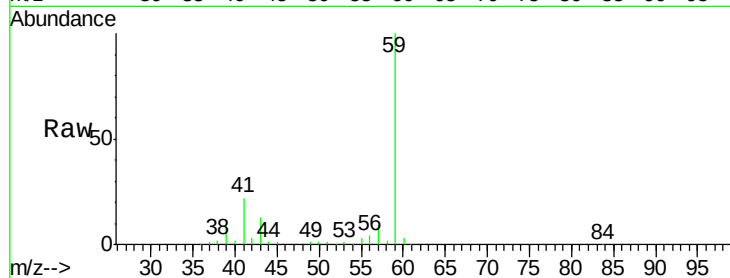
Tert butyl alcohol
 Concen: 281.694 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	3.4	5.2#

Manual Integrations
 APPROVED

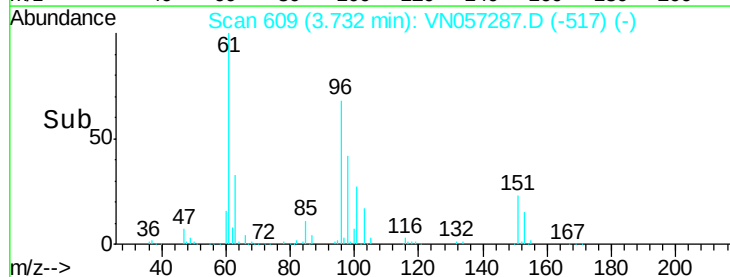
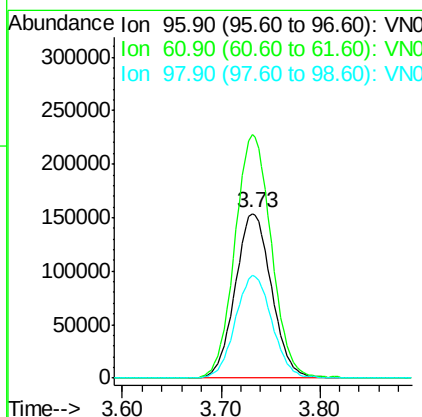
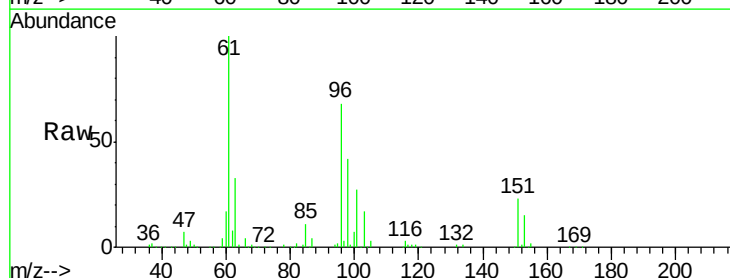
MMDadoda
 8/19/2019 1:52:52 AM

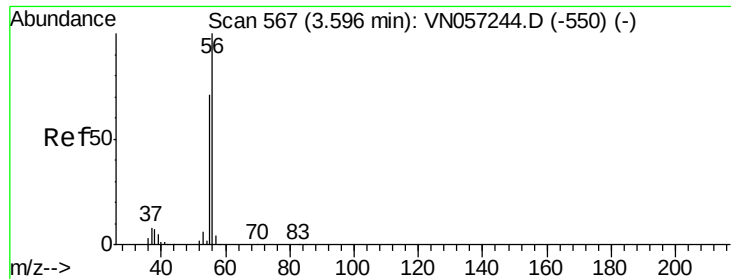


#12

1,1-Dichloroethene
 Concen: 50.655 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.7	121.1	181.7
98	62.0	52.0	78.0





#13

Acrolein

Concen: 272.601 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 236283

Ion Ratio Lower Upper

56 100

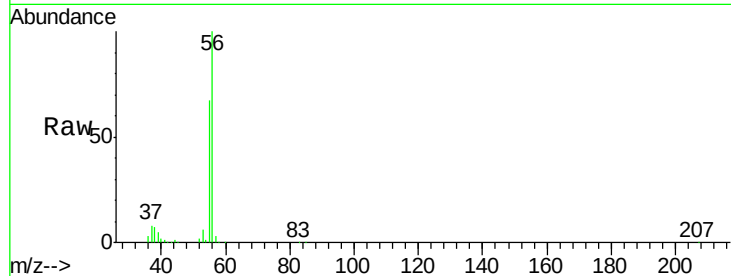
55 70.2 56.6 84.8

Manual Integrations

APPROVED

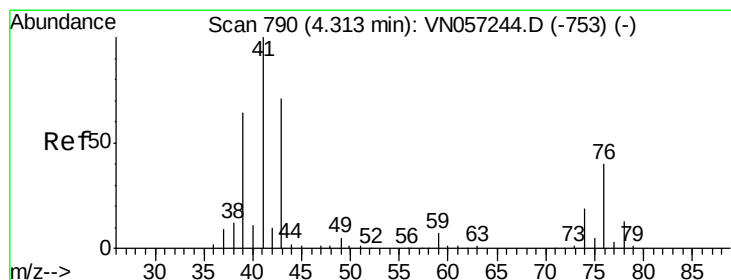
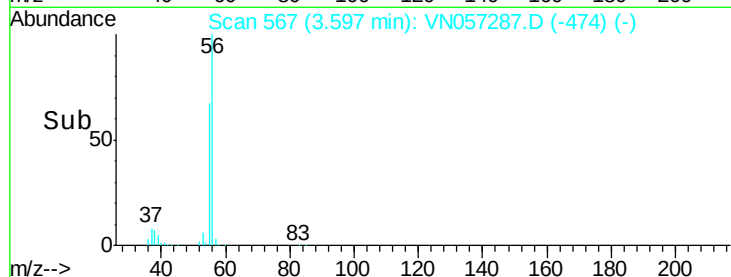
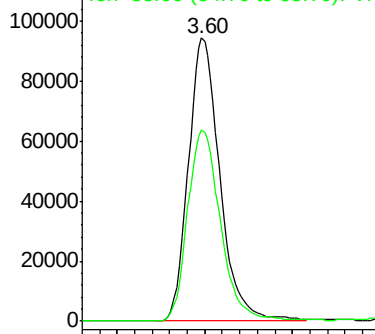
MMdadoda

8/19/2019 1:52:52 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 52.070 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

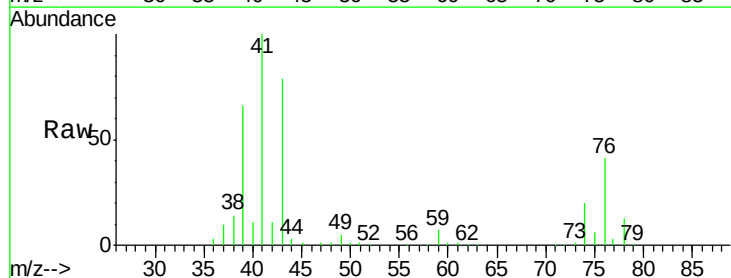
Tgt Ion: 41 Resp: 612982

Ion Ratio Lower Upper

41 100

39 60.7 48.5 72.7

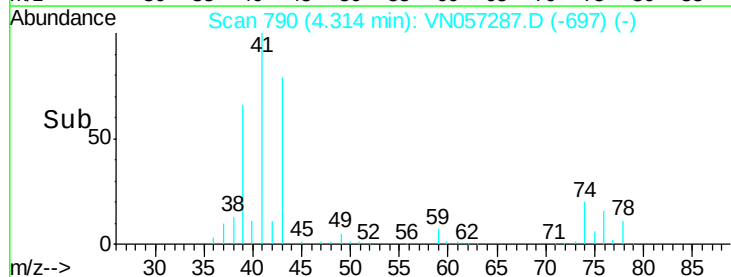
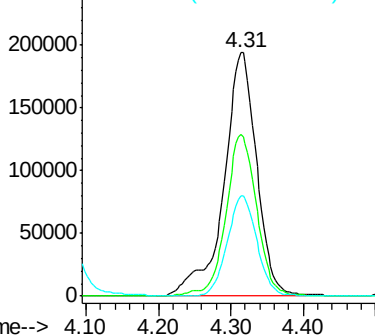
76 36.7 29.8 44.8

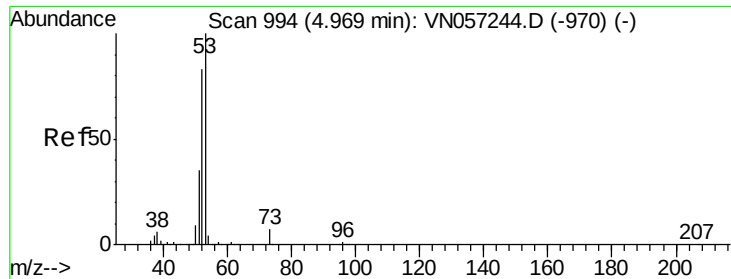


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 279.512 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Instrument :

MSVOA_N

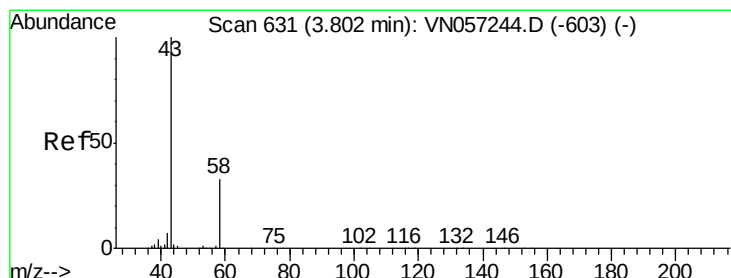
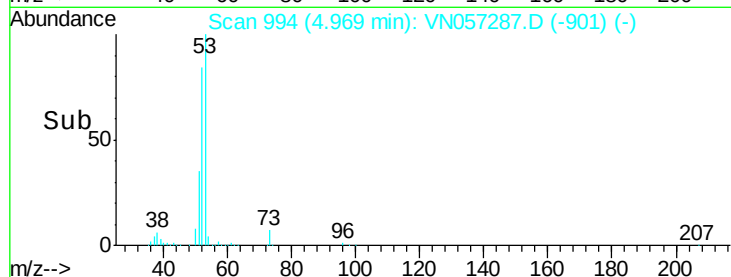
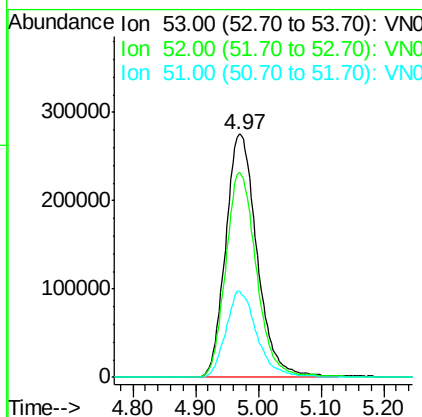
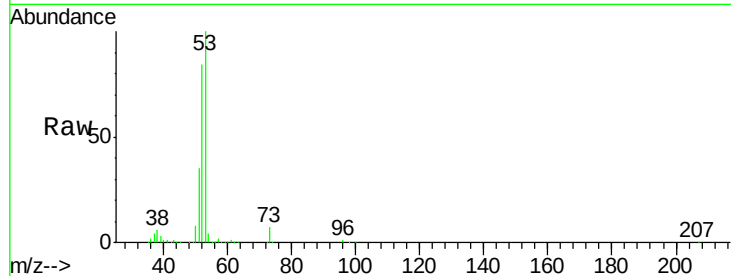
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	954020
Ion Ratio		Lower	Upper
53	100		
52	82.7	65.9	98.9
51	35.0	27.8	41.6

Manual Integrations
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MMDadoda
8/19/2019 1:52:52 AM



#16

Acetone

Concen: 234.222 ug/l

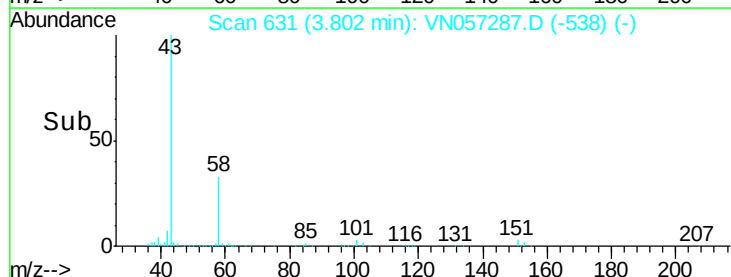
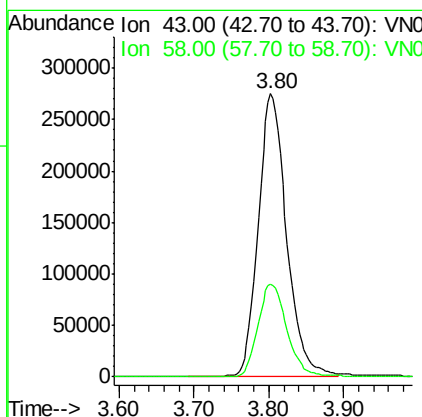
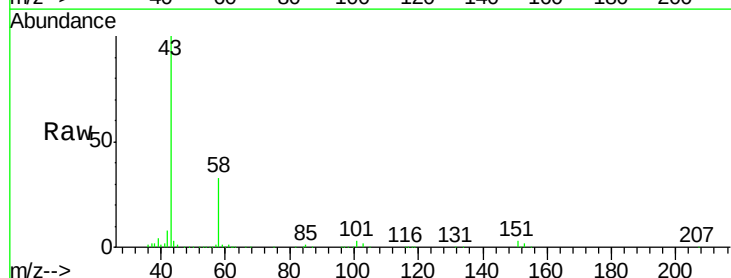
RT: 3.80 min Scan# 631

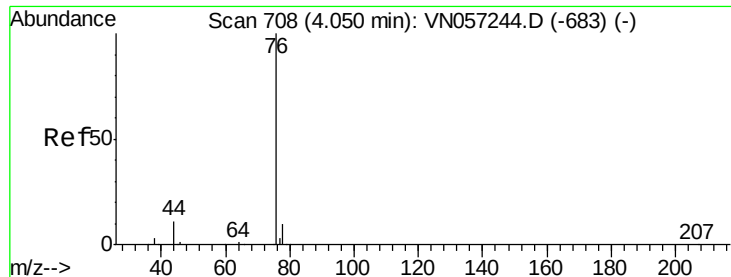
Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Tgt Ion:	43	Resp:	722414
Ion Ratio		Lower	Upper
43	100		
58	32.7	26.7	40.1





#17

Carbon Disulfide

Concen: 49.250 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Tot Ion: 76 Resp: 1044700

Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5

Instrument :

MSVOA_N

ClientSampleId :

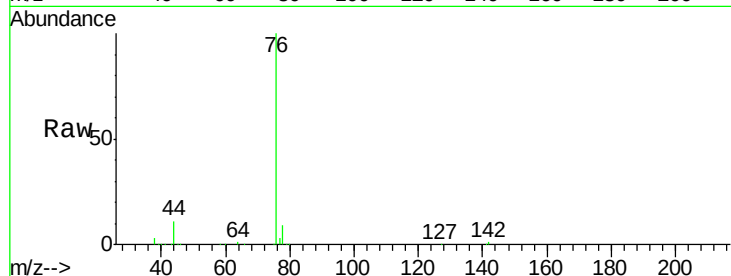
VSTDCCC050EC

Manual Integrations

APPROVED

MMdadoda

8/19/2019 1:52:52 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

400000

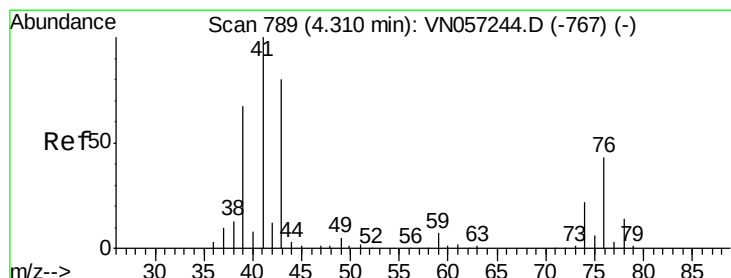
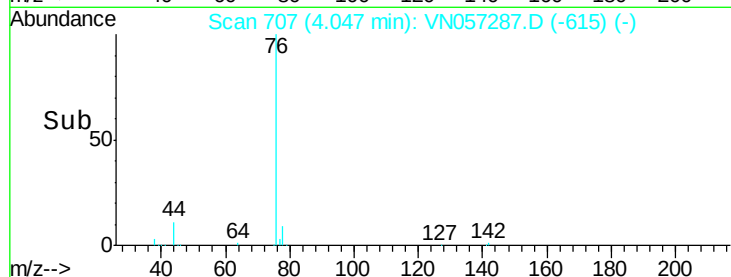
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 57.314 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN057287.D

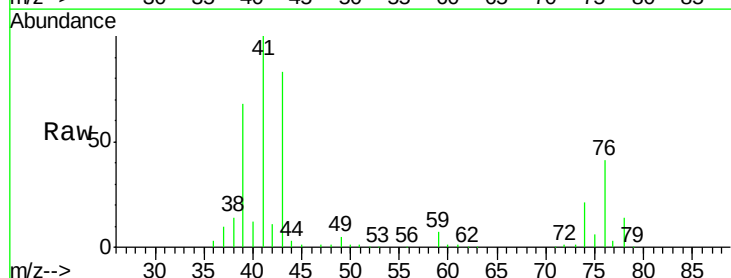
Acq: 14 Aug 2019 14:57

Tgt Ion: 43 Resp: 454355

Ion Ratio Lower Upper

43 100

74 25.2 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.31

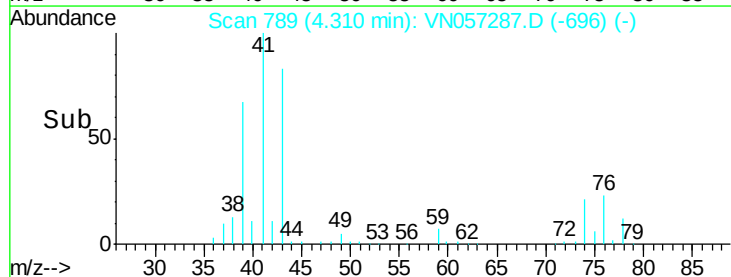
150000

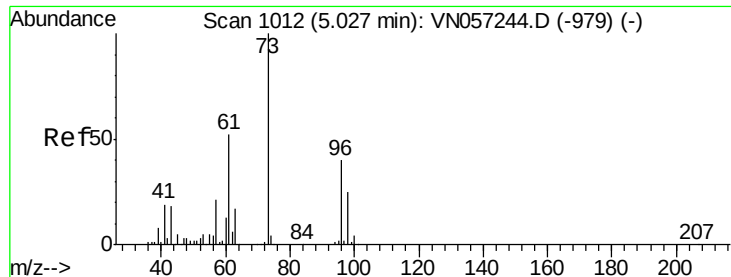
100000

50000

0

Time-->





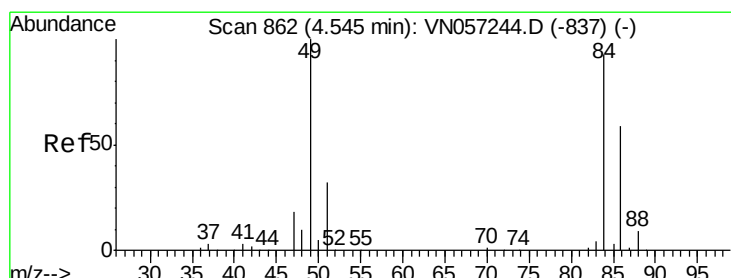
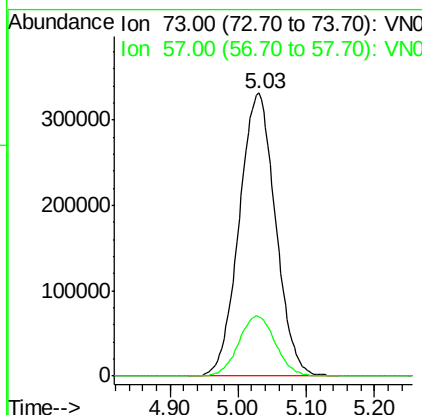
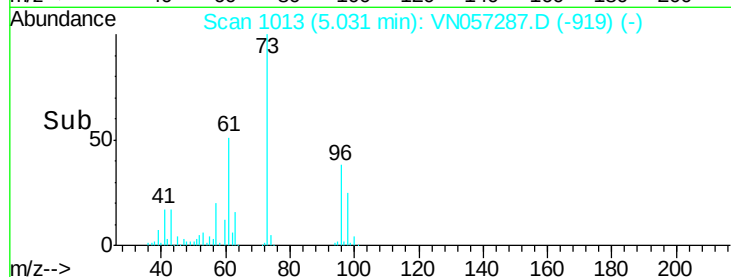
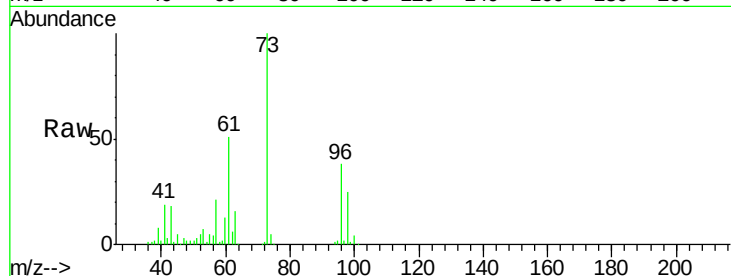
#19
Methyl tert-butyl Ether
Concen: 52.894 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1225692
Ion Ratio Lower Upper
73 100
57 21.1 17.1 25.7

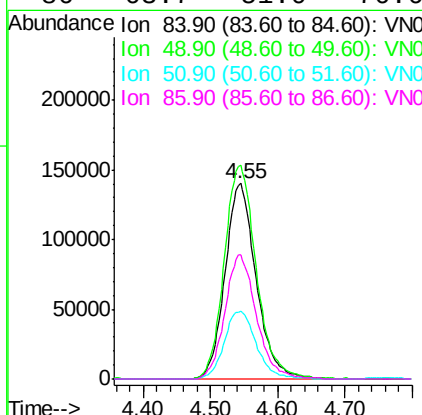
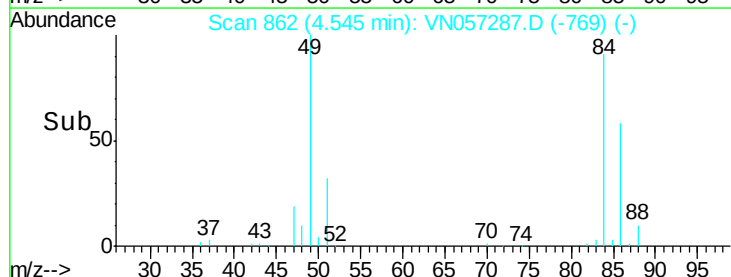
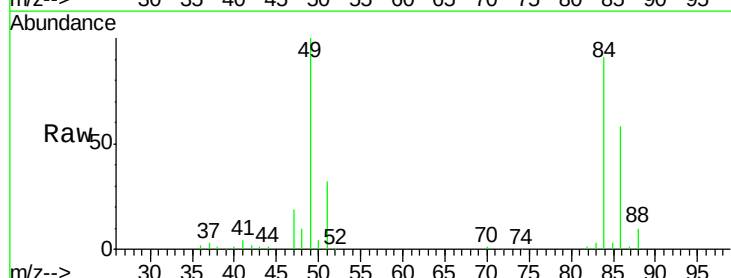
Manual Integrations
APPROVED

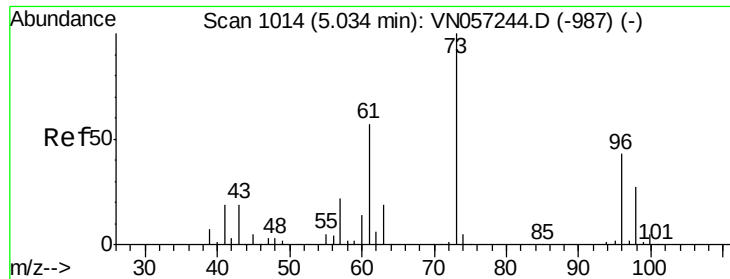
MMdadoda
8/19/2019 1:52:52 AM



#20
Methylene Chloride
Concen: 50.166 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Tgt Ion: 84 Resp: 451983
Ion Ratio Lower Upper
84 100
49 109.3 85.9 128.9
51 34.5 27.1 40.7
86 63.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.370 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN057287.D

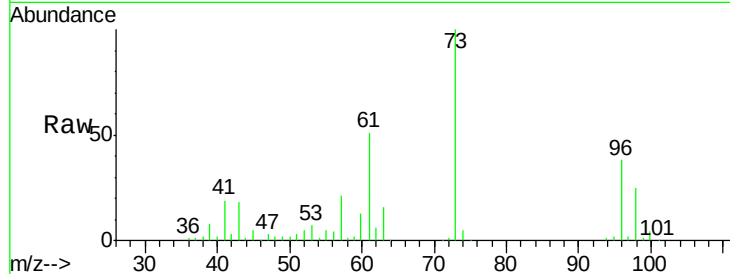
Acq: 14 Aug 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

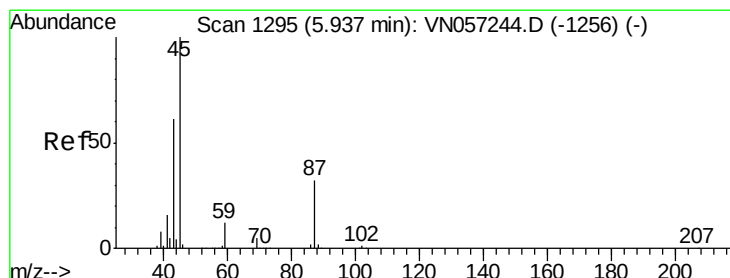
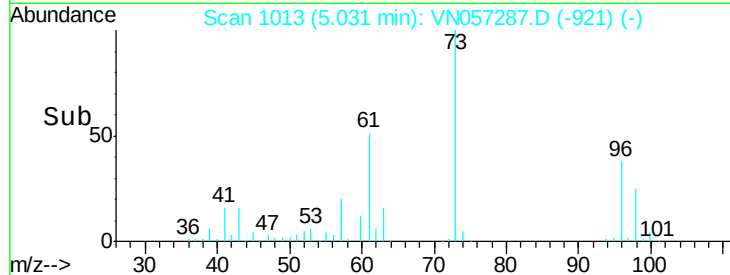
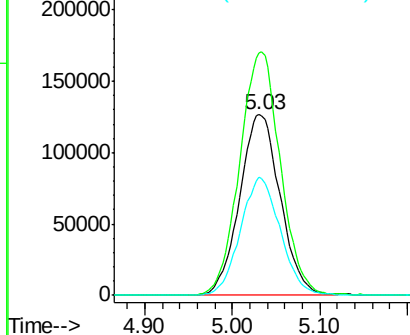
Tot Ion:	96	Resp:	408419
Ion	Ratio	Lower	Upper
96	100		
61	134.4	104.6	156.8
98	65.1	49.7	74.5

Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:52:52 AM



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: 53.366 ug/l

RT: 5.94 min Scan# 1295

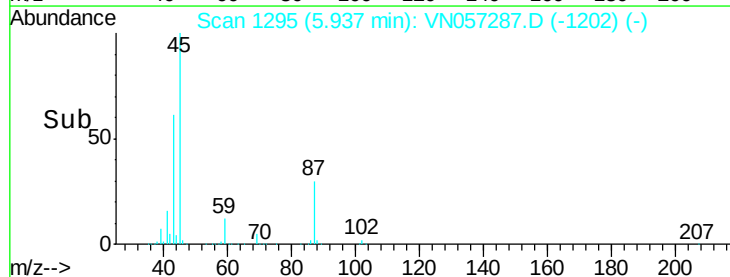
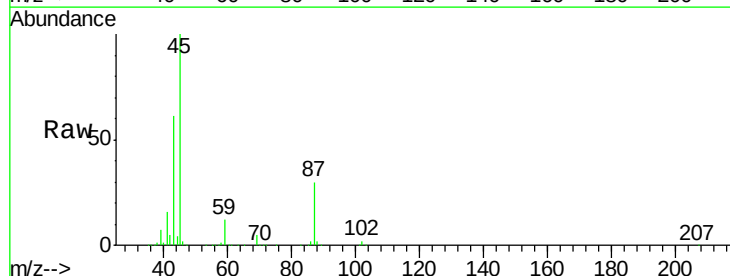
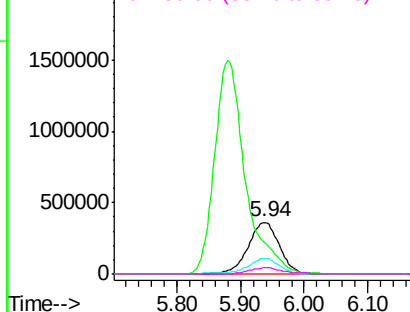
Delta R.T. 0.00 min

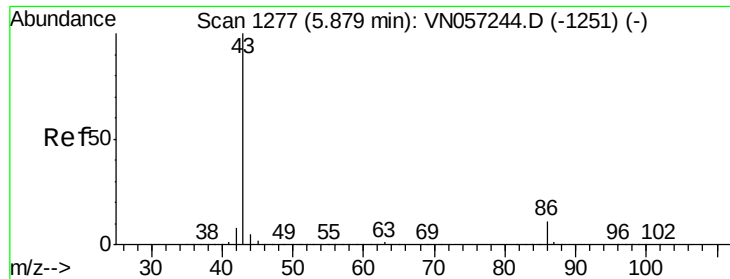
Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Tgt Ion:	45	Resp:	1235233
Ion	Ratio	Lower	Upper
45	100		
43	59.9	48.9	73.3
87	30.3	25.5	38.3
59	12.3	9.7	14.5

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





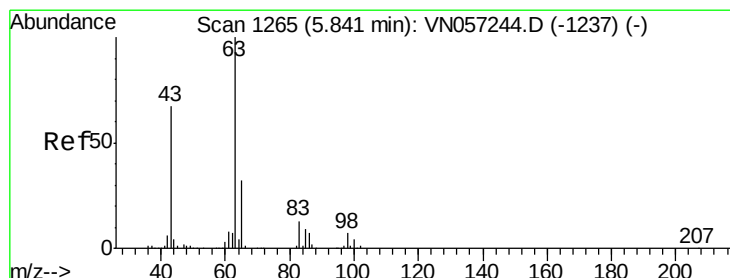
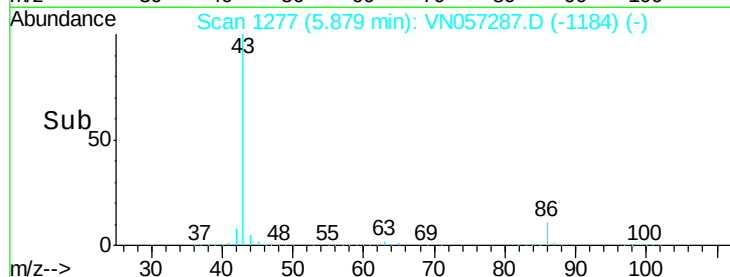
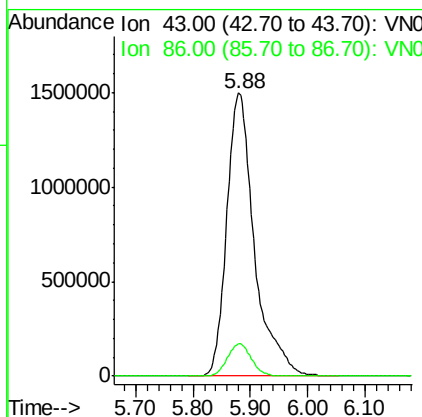
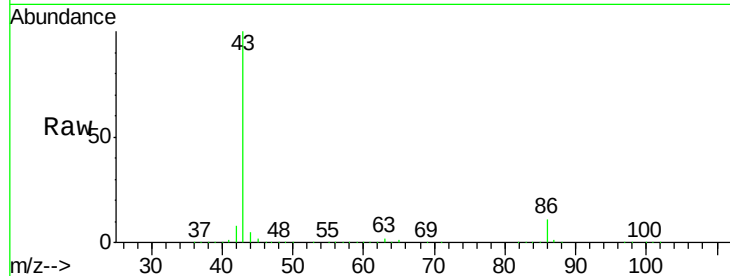
#23
 Vinyl Acetate
 Concen: 273.799 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 5021963
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.2 13.8

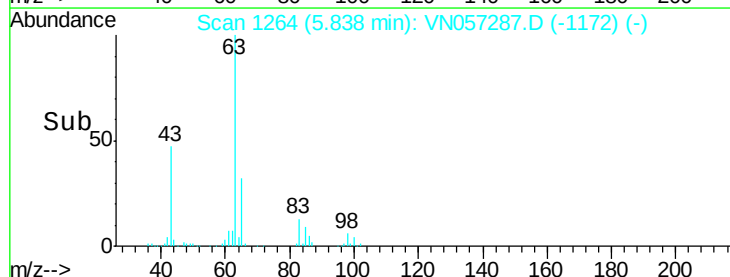
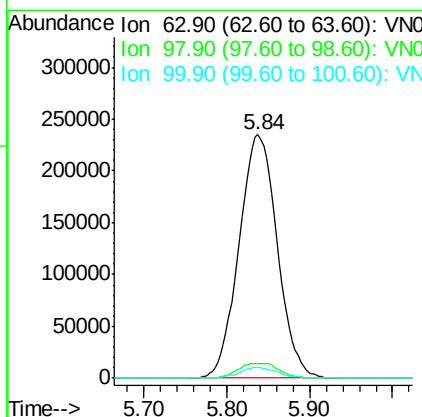
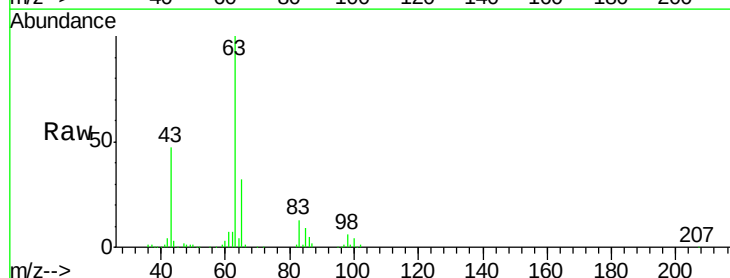
Manual Integrations
 APPROVED

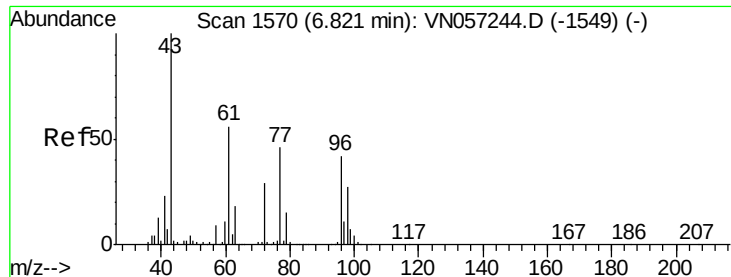
MMdadoda
 8/19/2019 1:52:52 AM



#24
 1,1-Dichloroethane
 Concen: 51.678 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Tgt Ion: 63 Resp: 753611
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.3 9.9
 100 4.4 2.1 6.2





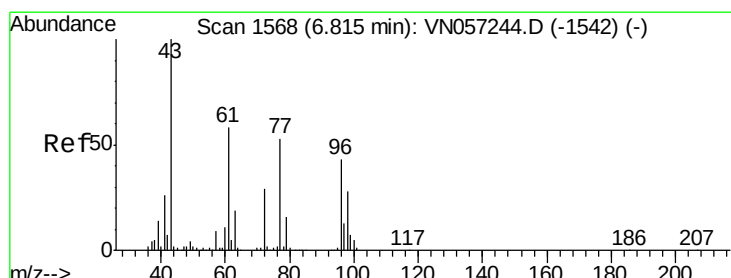
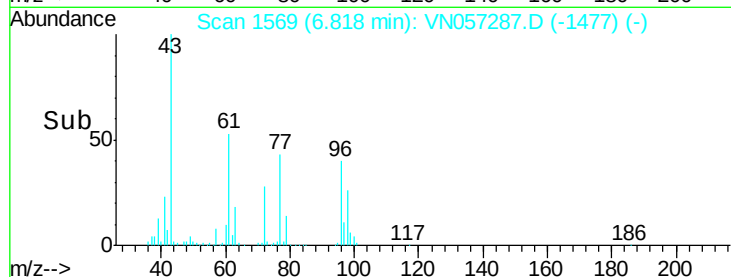
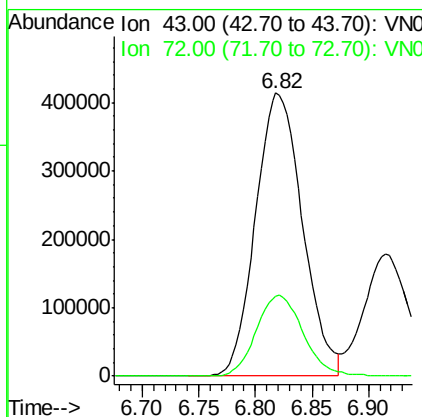
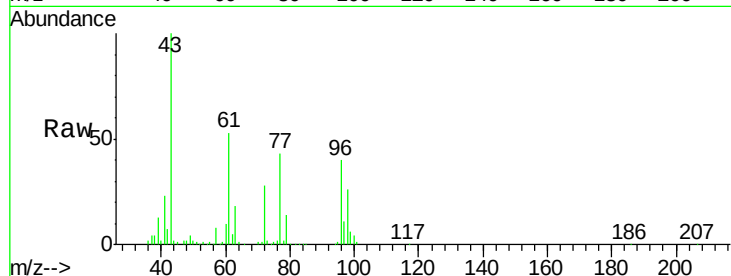
#25
2-Butanone
Concen: 271.154 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1189044
Ion Ratio Lower Upper
43 100
72 28.3 23.1 34.7

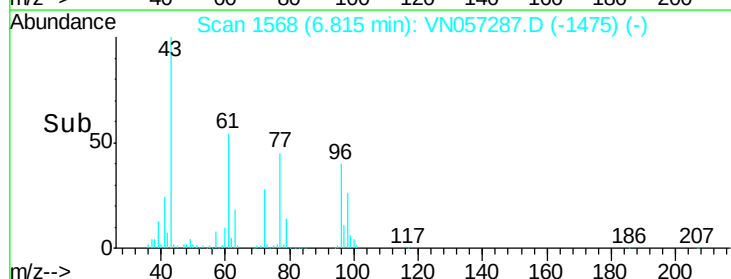
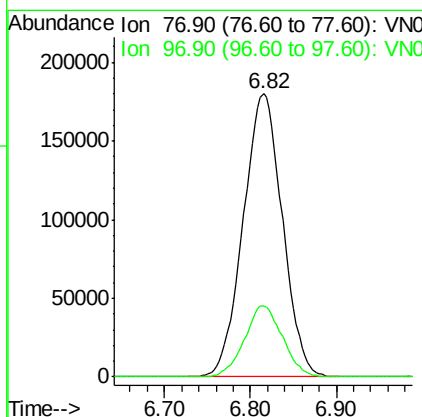
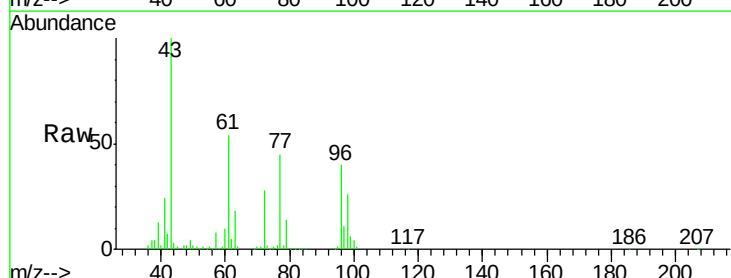
Manual Integrations
APPROVED

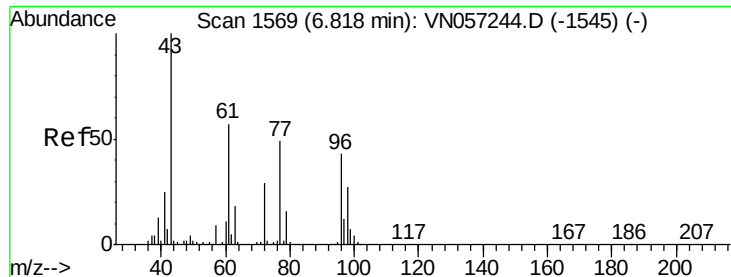
MMDadoda
8/19/2019 1:52:52 AM



#26
2,2-Dichloropropane
Concen: 47.700 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Tgt Ion: 77 Resp: 570698
Ion Ratio Lower Upper
77 100
97 24.4 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 50.445 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Instrument :

MSVOA_N

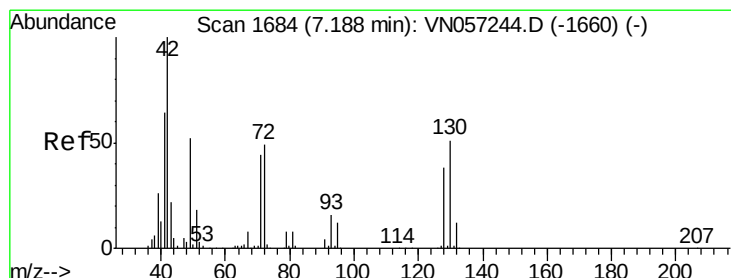
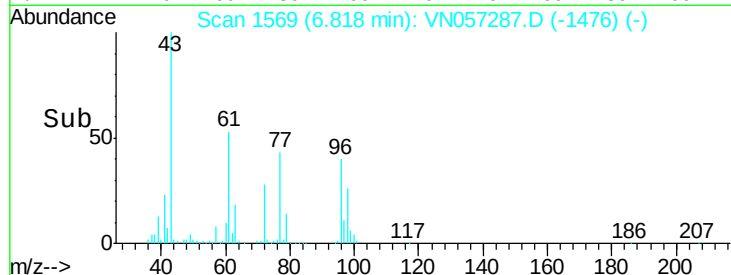
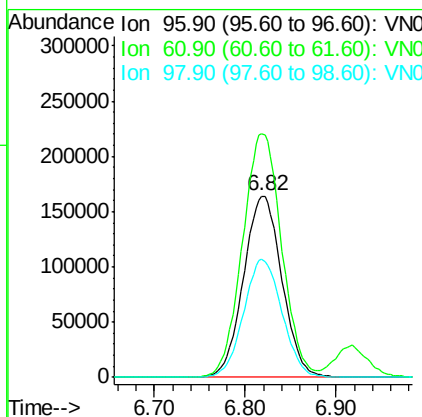
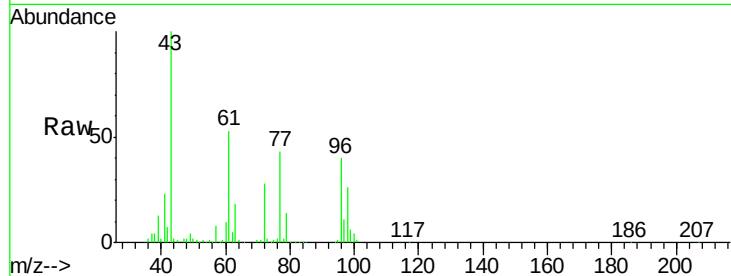
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	481225
Ion Ratio	Lower	Upper	
96	100		
61	137.0	0.0	271.0
98	65.1	0.0	129.2

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#28

Bromochloromethane

Concen: 54.404 ug/l

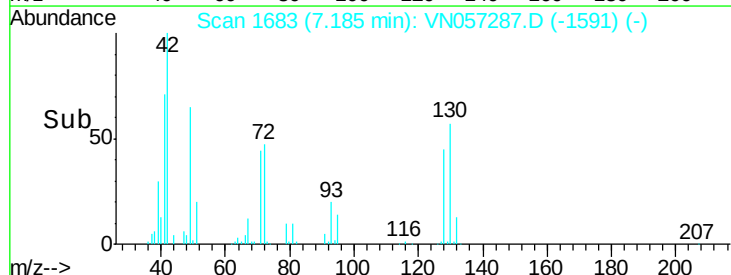
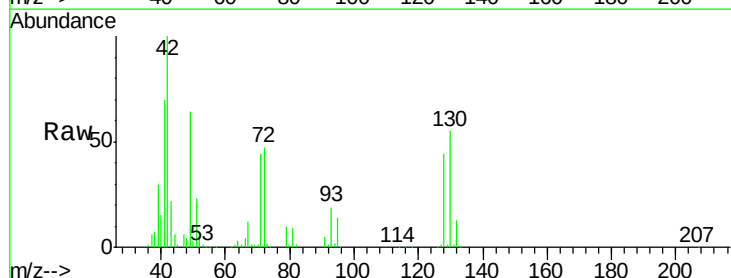
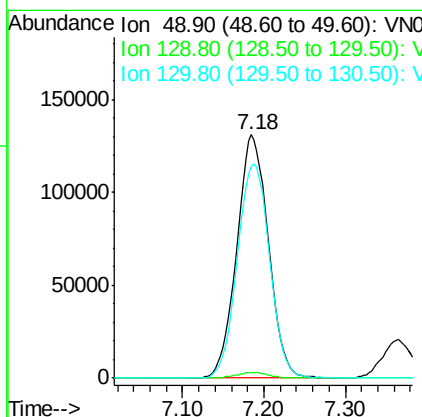
RT: 7.18 min Scan# 1683

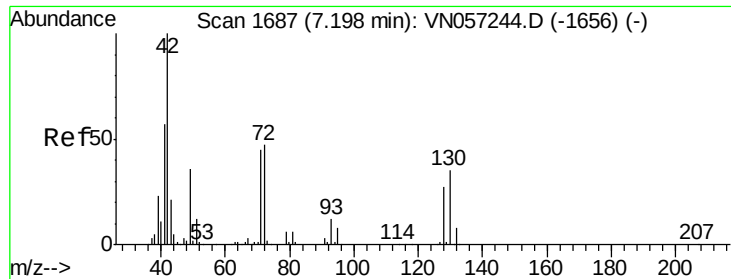
Delta R.T. -0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Tgt Ion:	49	Resp:	350089
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	3.0
130	90.2	75.6	113.4





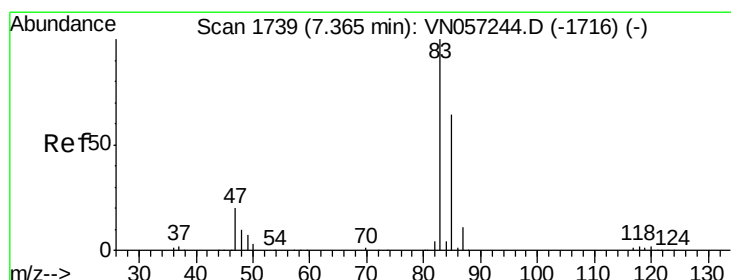
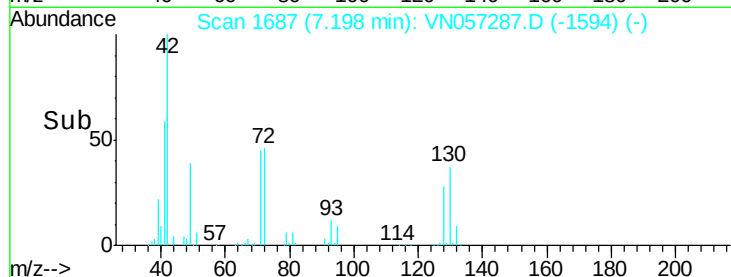
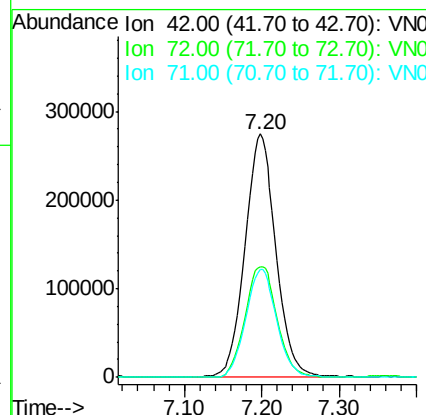
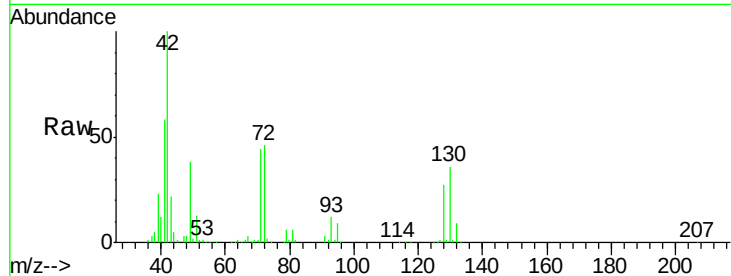
#29
Tetrahydrofuran
Concen: 271.538 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	37.6	56.4
71	44.5	35.6	53.4

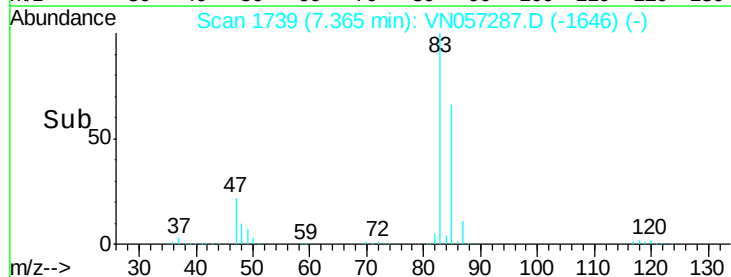
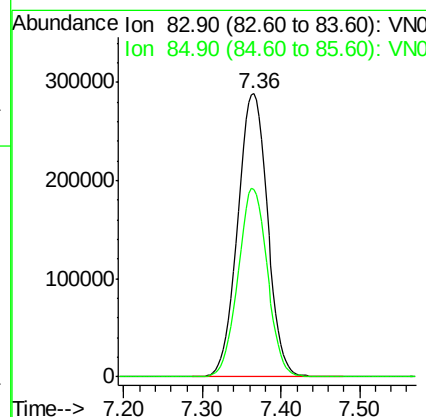
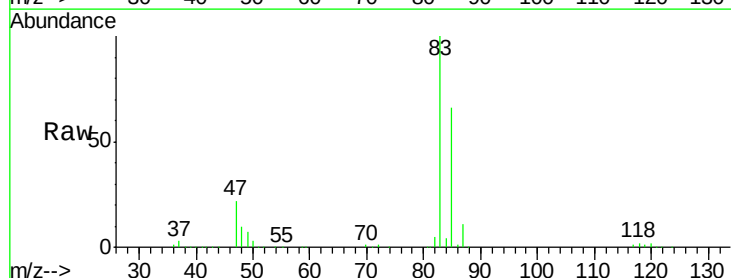
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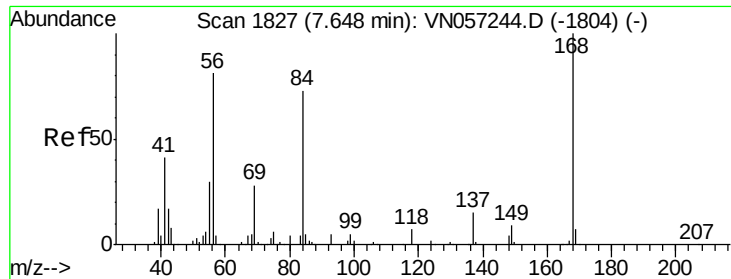
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#30
Chloroform
Concen: 50.304 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.3	76.9





#31

Cyclohexane

Concen: 49.538 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 631367

Ion Ratio Lower Upper

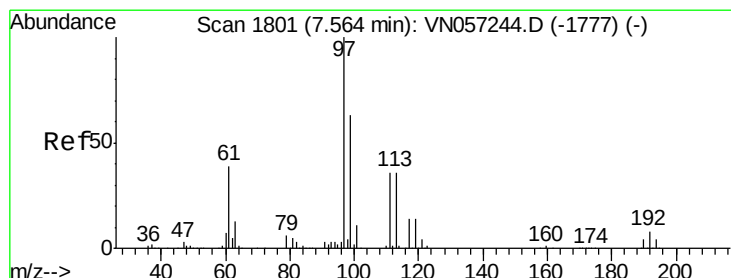
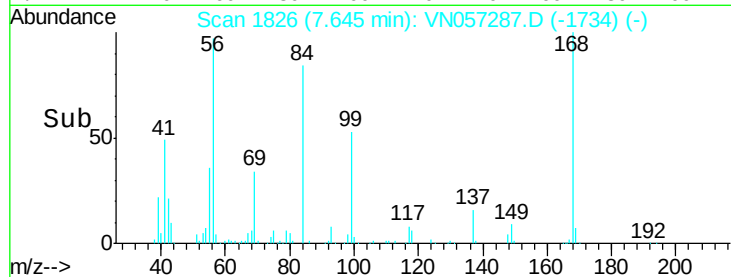
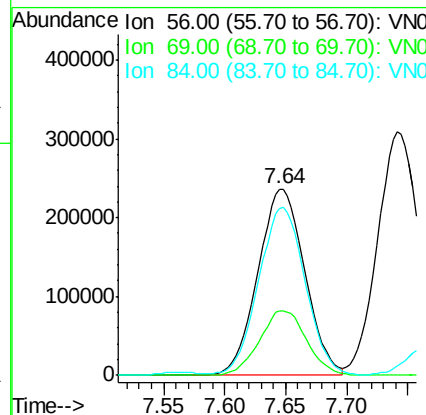
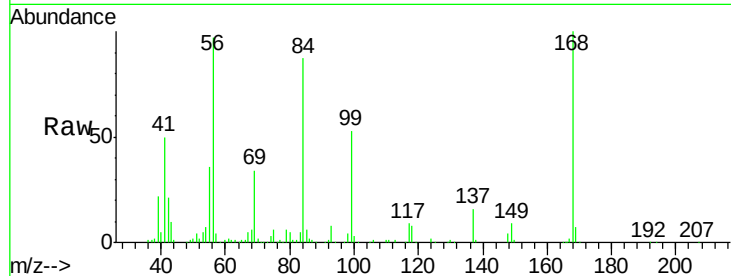
56 100

69 34.6 27.8 41.8

84 88.4 72.0 108.0

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#32

1,1,1-Trichloroethane

Concen: 52.716 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

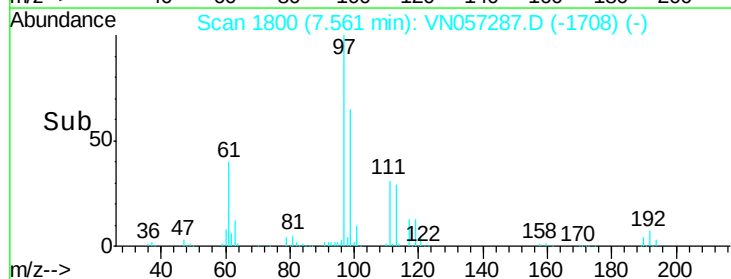
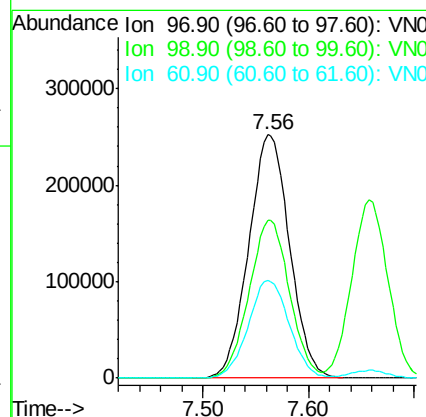
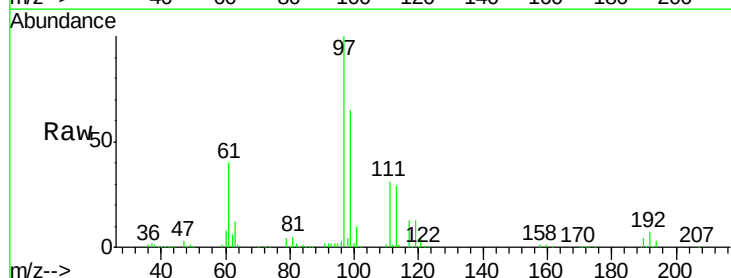
Tgt Ion: 97 Resp: 679260

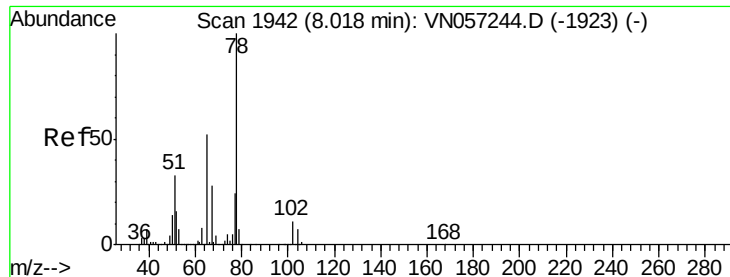
Ion Ratio Lower Upper

97 100

99 64.2 51.7 77.5

61 40.3 32.1 48.1





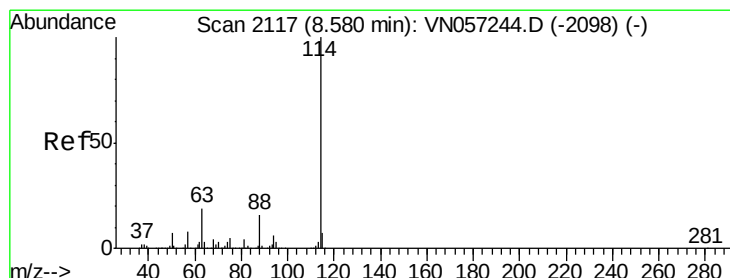
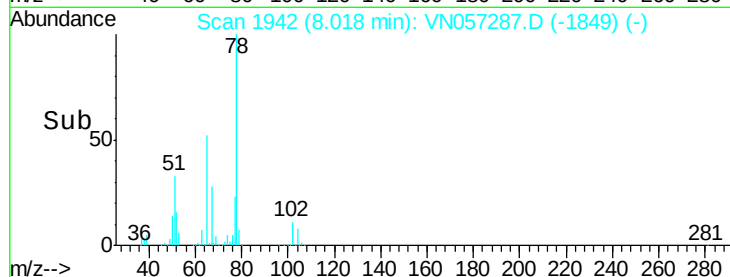
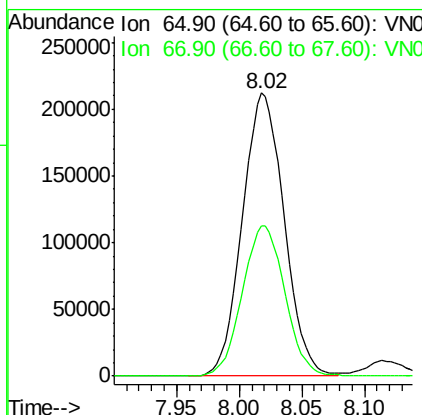
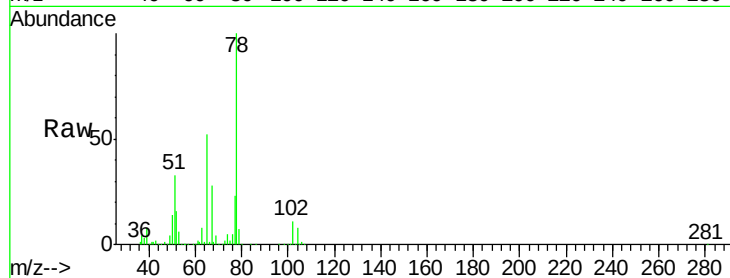
#33
 1,2-Dichloroethane-d4
 Concen: 54.530 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	107.0	

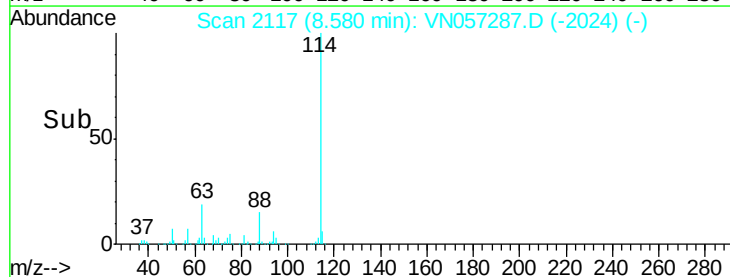
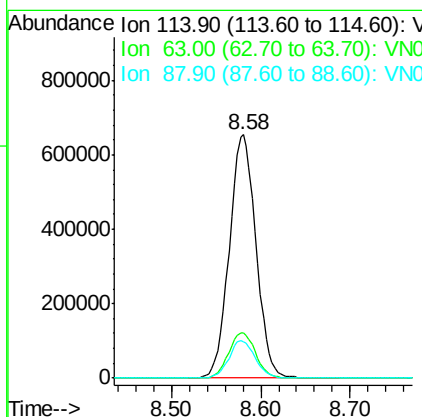
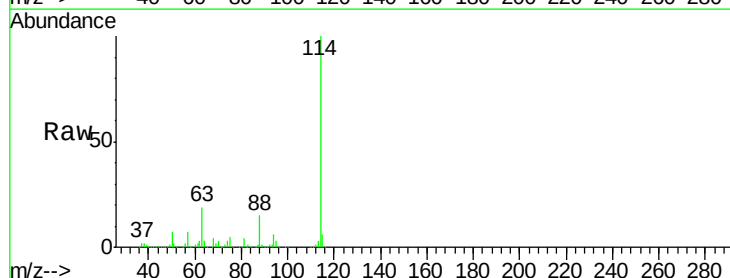
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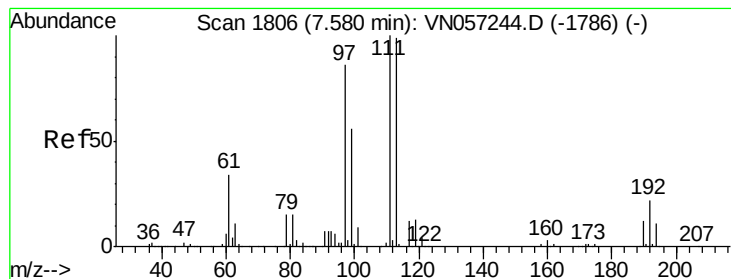
MMdadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.5	0.0	37.0	
88	15.0	0.0	31.0	





#35

Dibromofluoromethane

Concen: 50.204 ug/l

RT: 7.58 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Instrument :

MSVOA_N

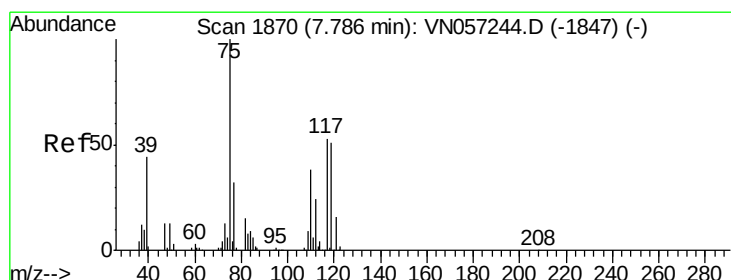
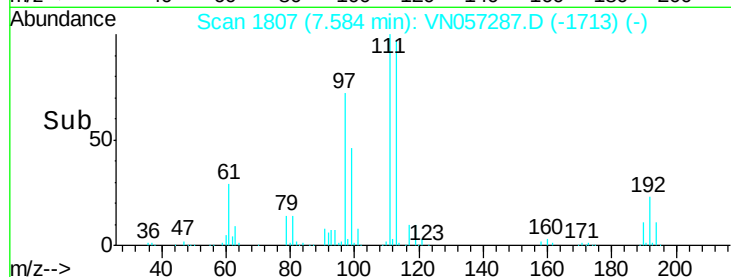
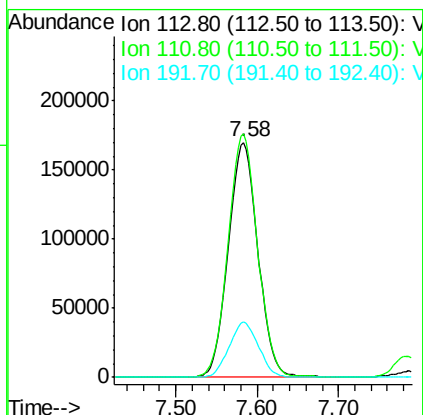
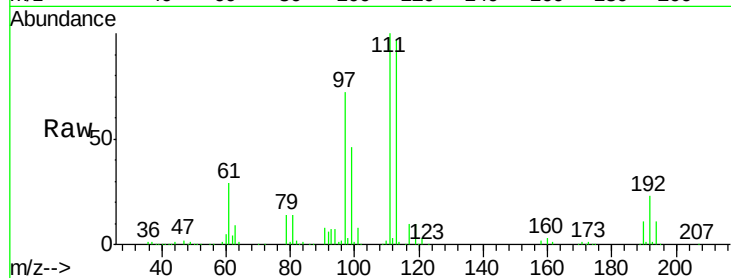
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	432458
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.4	122.2
192	23.3	18.8	28.2

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#36

1,1-Dichloropropene

Concen: 48.557 ug/l

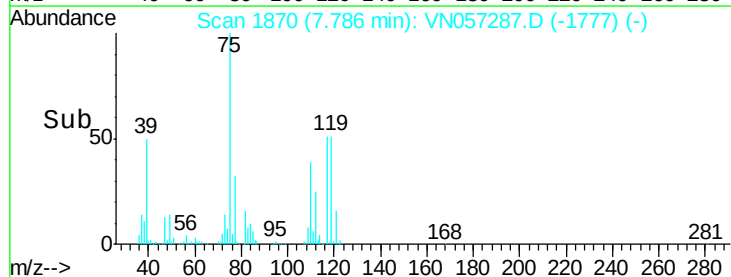
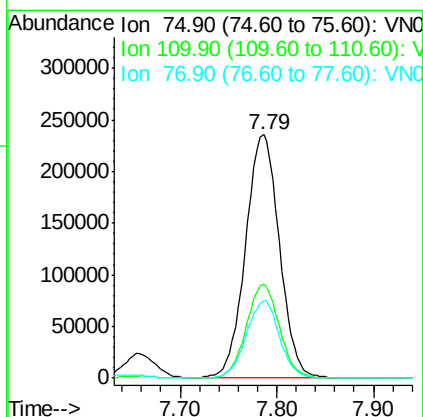
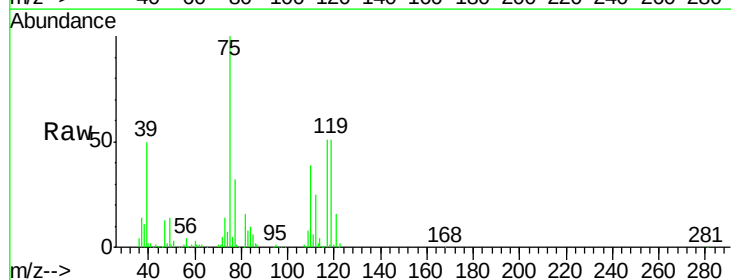
RT: 7.79 min Scan# 1870

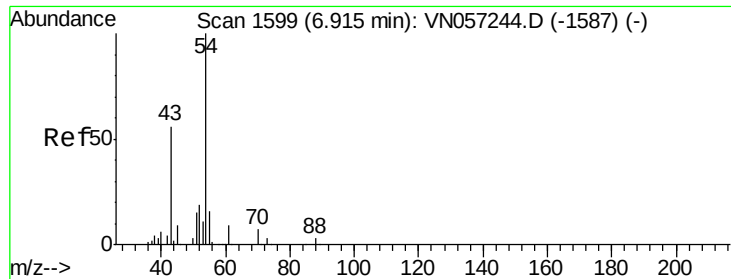
Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Tgt Ion:	75	Resp:	572703
Ion Ratio	Lower	Upper	
75	100		
110	37.7	19.1	57.1
77	31.4	25.2	37.8





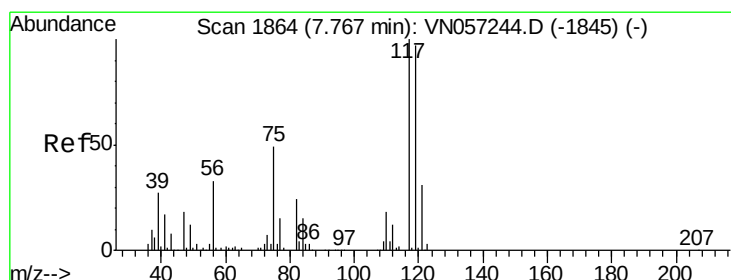
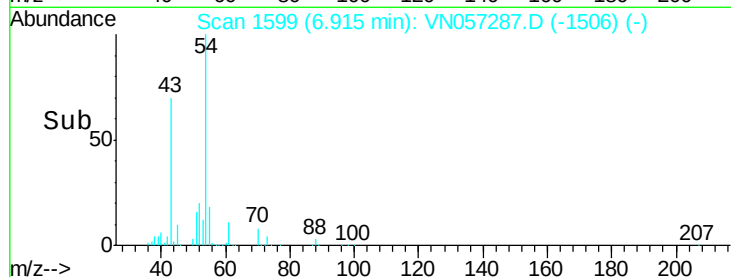
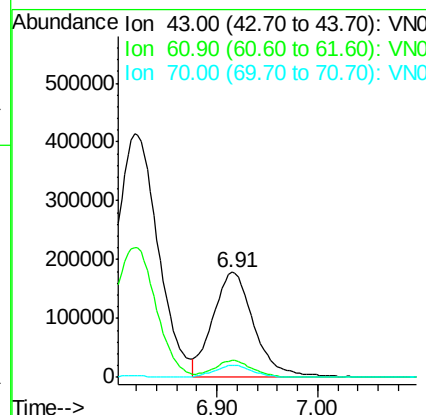
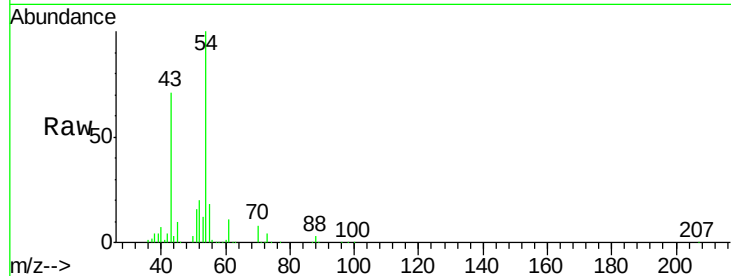
#37
Ethyl Acetate
Concen: 52.384 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.7	19.1
70	11.2	9.0	13.4

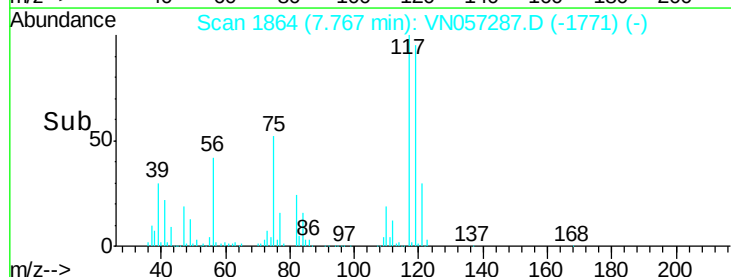
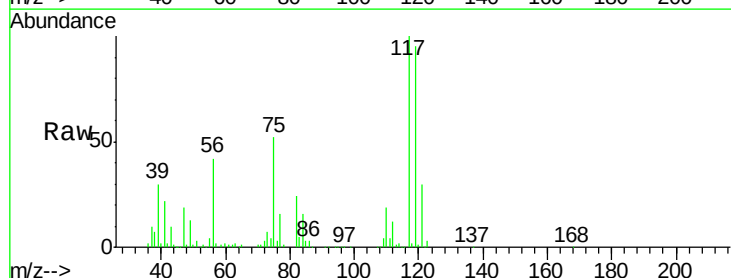
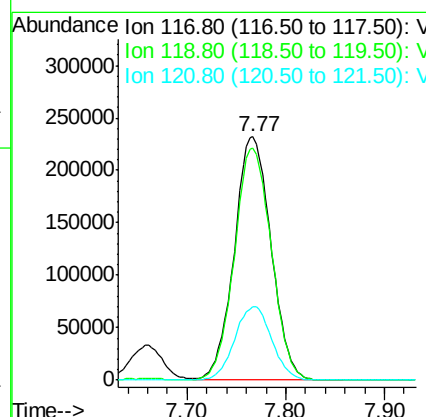
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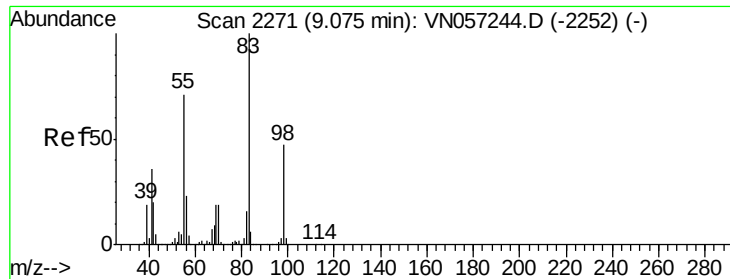
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#38
Carbon Tetrachloride
Concen: 47.878 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.8	116.6
121	30.2	24.9	37.3





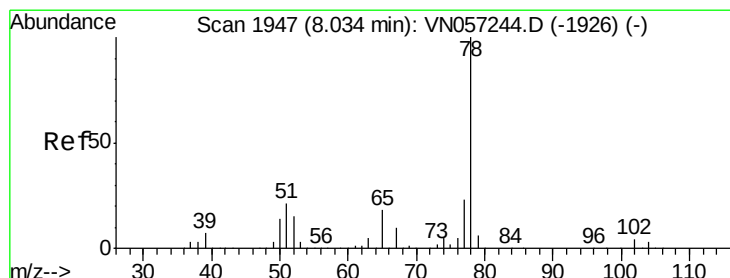
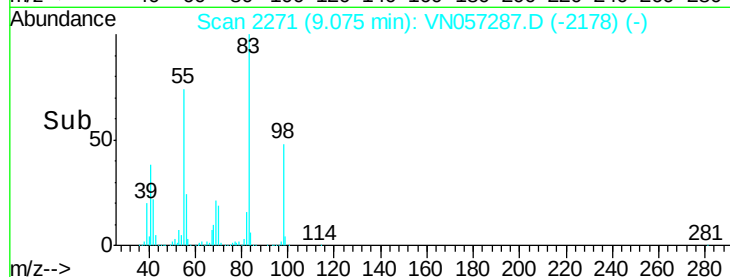
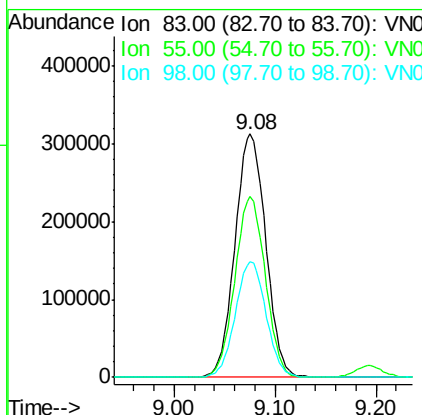
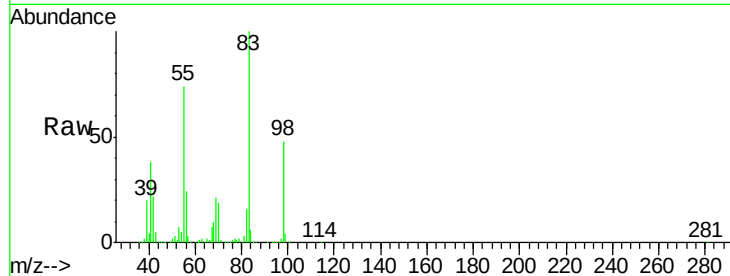
#39
Methylvlcyclohexane
Concen: 47.371 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	661511
Ion Ratio	Lower	Upper	
83	100		
55	74.2	57.0	85.4
98	47.6	37.2	55.8

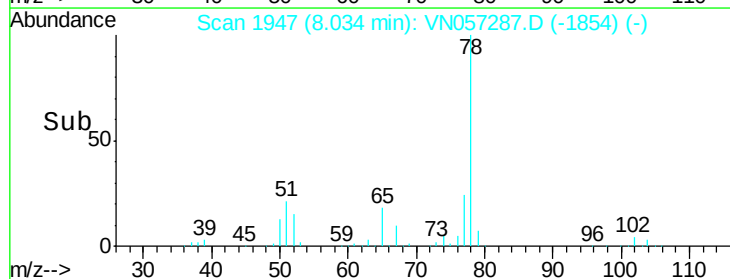
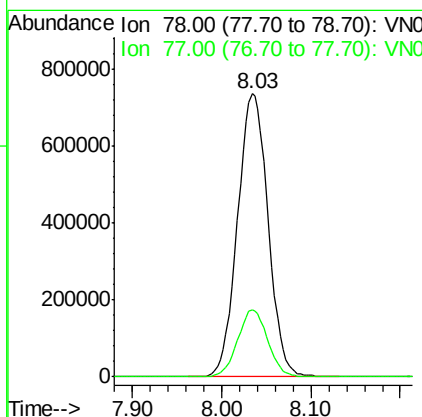
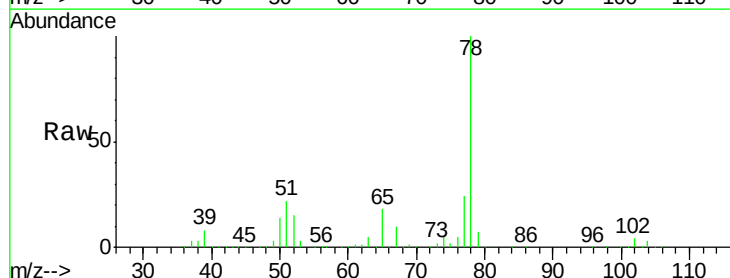
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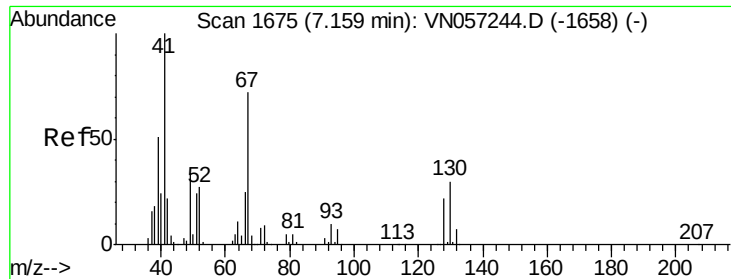
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#40
Benzene
Concen: 48.743 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Tgt Ion	78	Resp	1746522
Ion Ratio	Lower	Upper	
78	100		
77	23.8	18.2	27.4





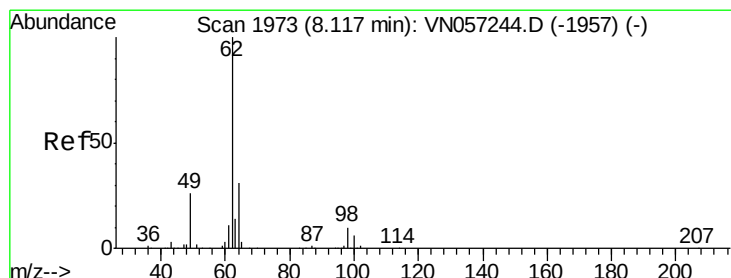
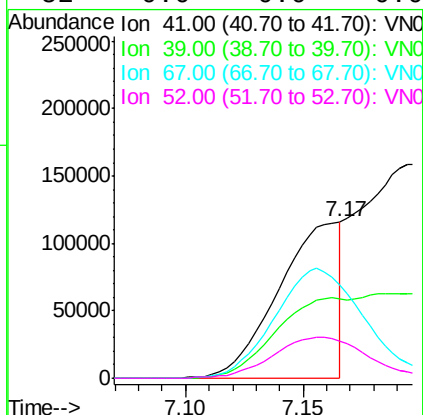
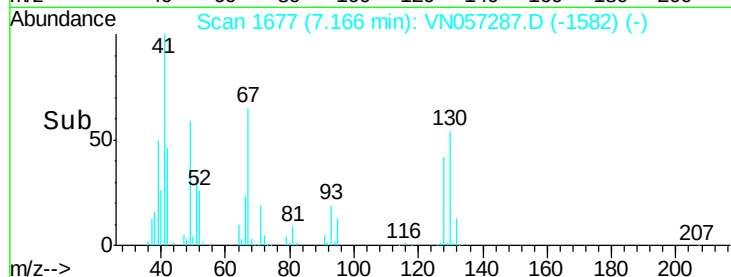
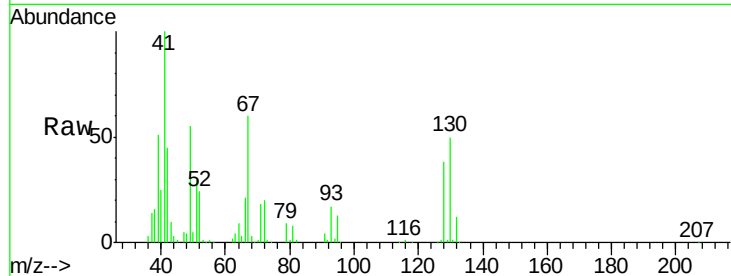
#41
Methacrylonitrile
Concen: 53.797 ug/l m
RT: 7.17 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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

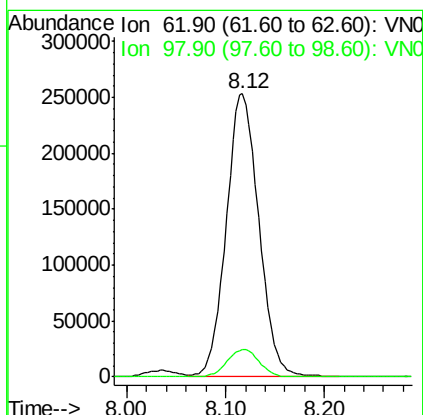
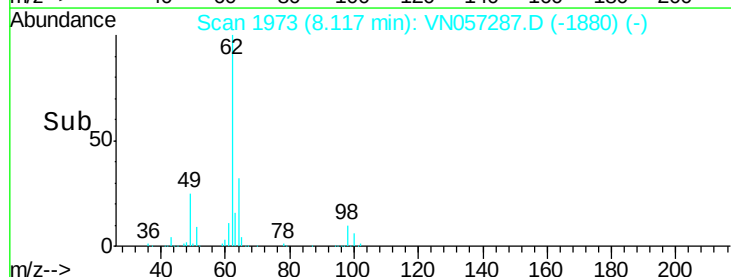
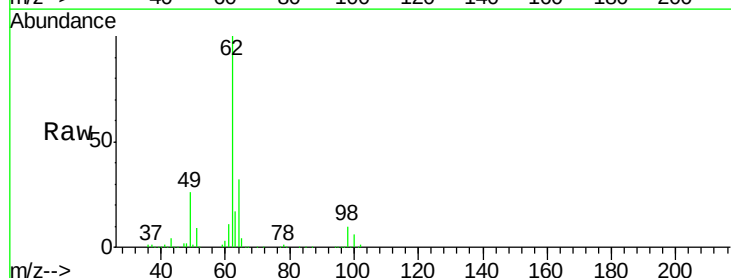
Manual Integrations
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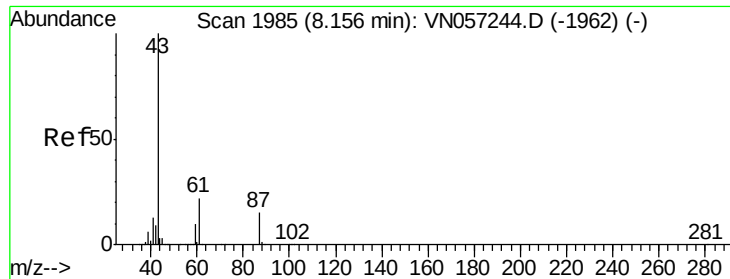
MMDadoda
8/19/2019 1:52:52 AM



#42
1,2-Dichloroethane
Concen: 50.711 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	9.6	0.0	20.0	





#43

Isopropyl Acetate

Concen: 58.286 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Instrument :

MSVOA_N

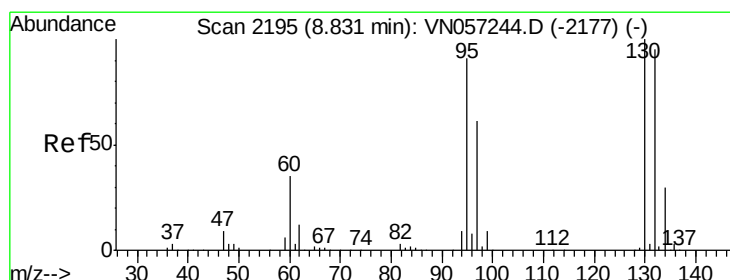
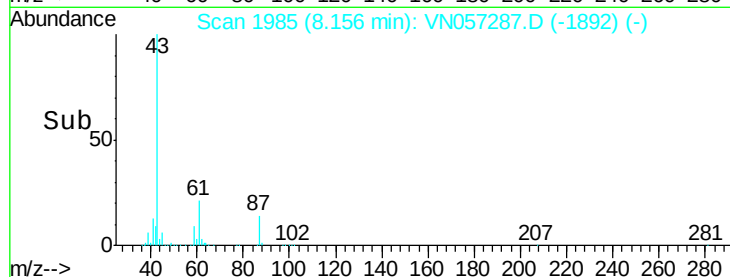
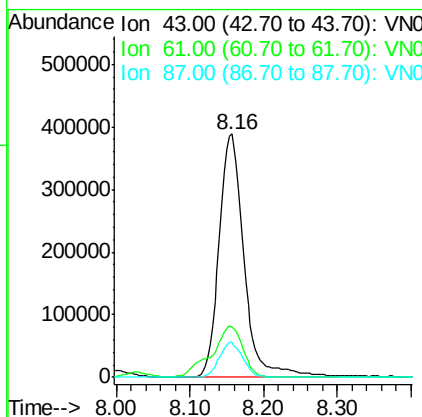
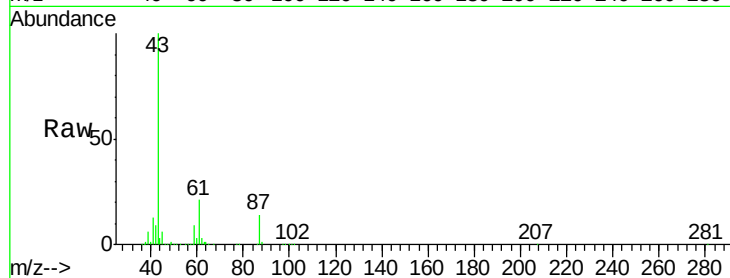
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	909993
Ion	Ratio	Lower	Upper
43	100		
61	26.2	23.5	35.3
87	13.6	12.1	18.1

Manual Integrations
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MMdadoda
8/19/2019 1:52:52 AM



#44

Trichloroethene

Concen: 47.323 ug/l

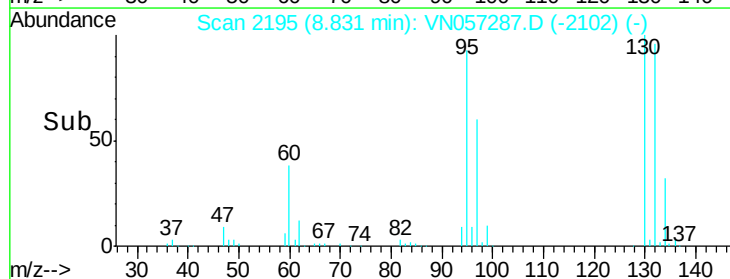
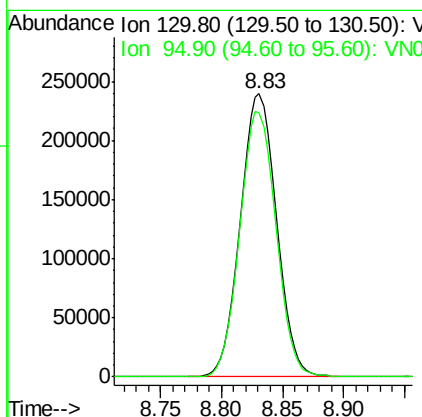
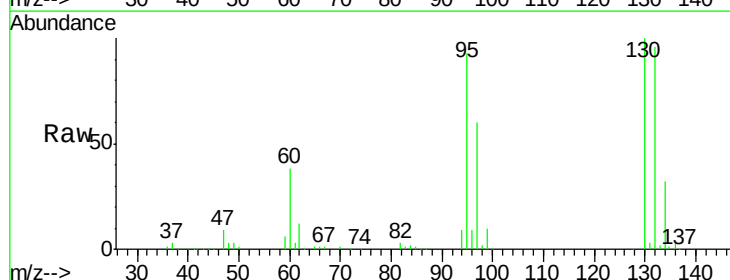
RT: 8.83 min Scan# 2195

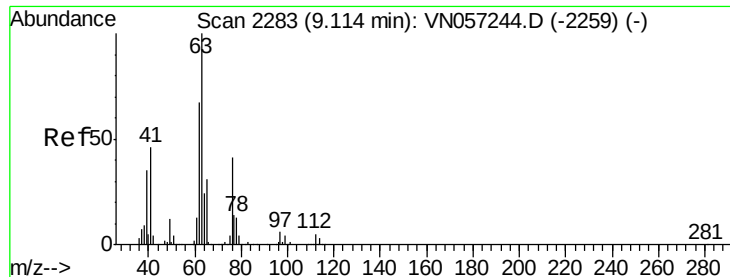
Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Tgt Ion:	130	Resp:	491525
Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	181.8





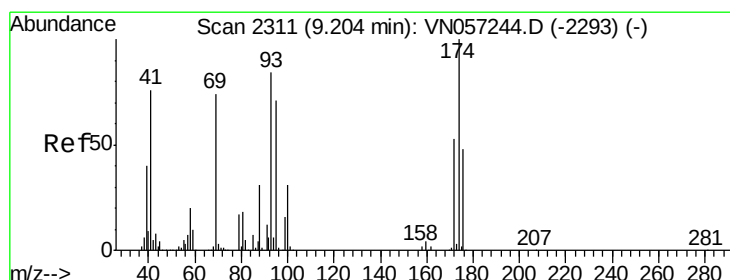
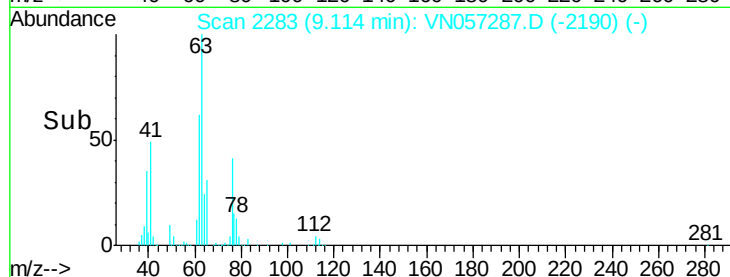
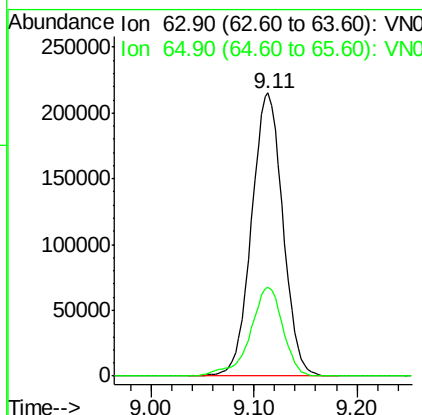
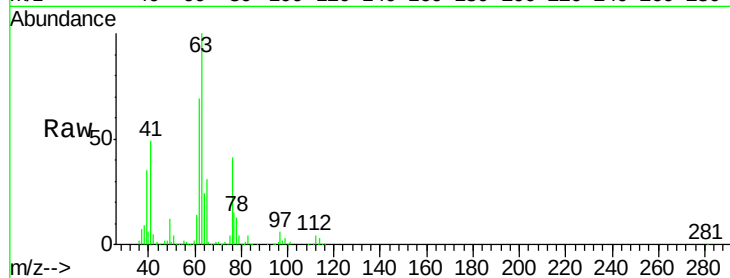
#45
 1,2-Dichloropropane
 Concen: 49.772 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.0	37.4

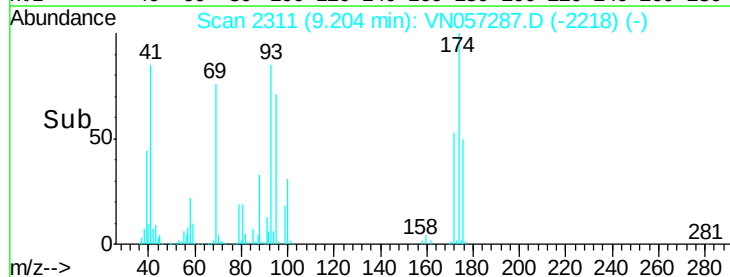
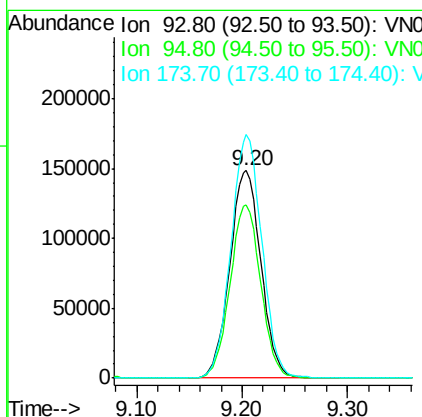
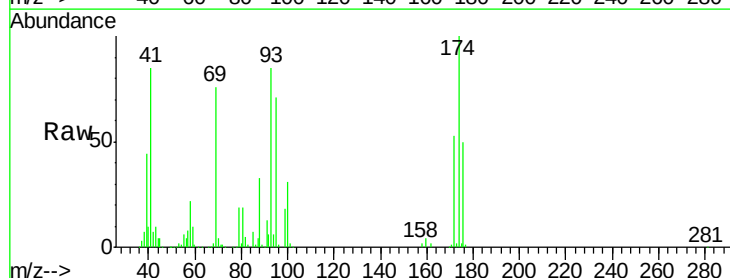
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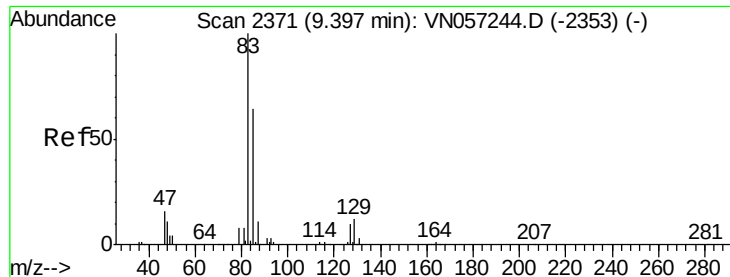
MMDadoda
 8/19/2019 1:52:52 AM



#46
 Dibromomethane
 Concen: 49.653 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	67.0	100.4
174	116.1	96.2	144.2





#47

Bromodichloromethane

Concen: 51.450 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Instrument :

MSVOA_N

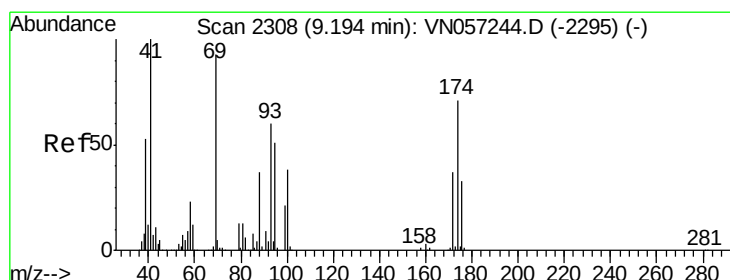
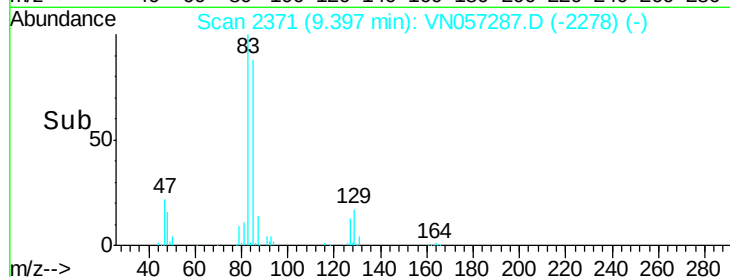
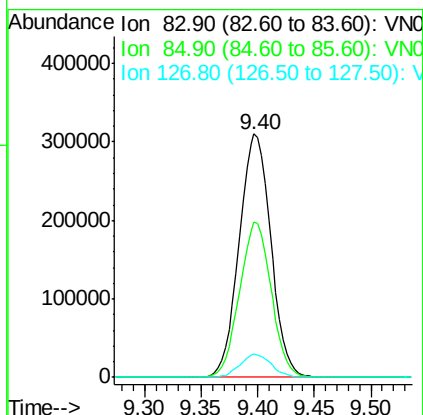
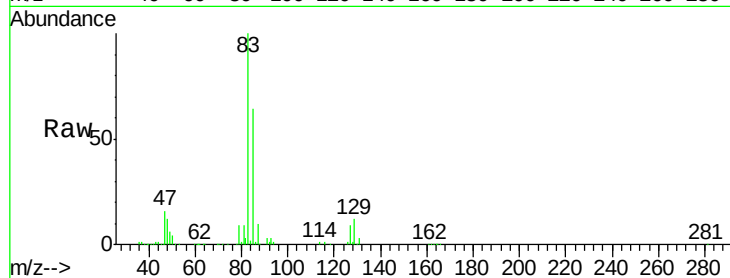
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	607112
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.4	77.0
127	9.4	7.7	11.5

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#48

Methyl methacrylate

Concen: 54.414 ug/l

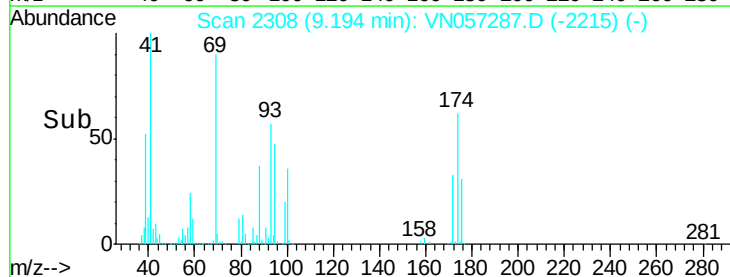
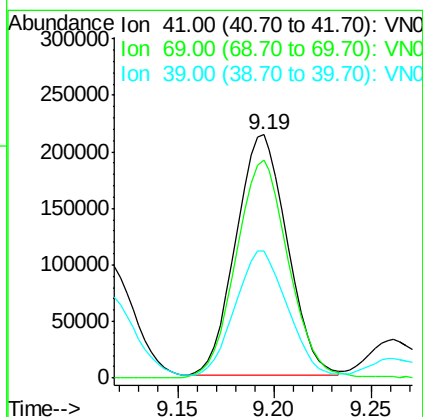
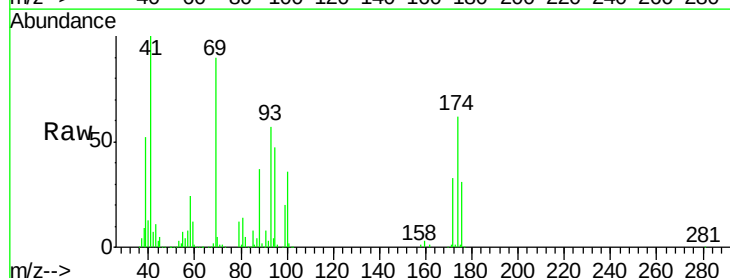
RT: 9.19 min Scan# 2308

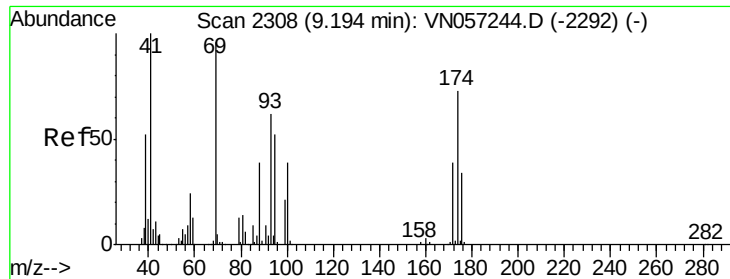
Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Tgt Ion:	41	Resp:	393093
Ion Ratio	Lower	Upper	
41	100		
69	93.0	75.7	113.5
39	54.6	43.3	64.9





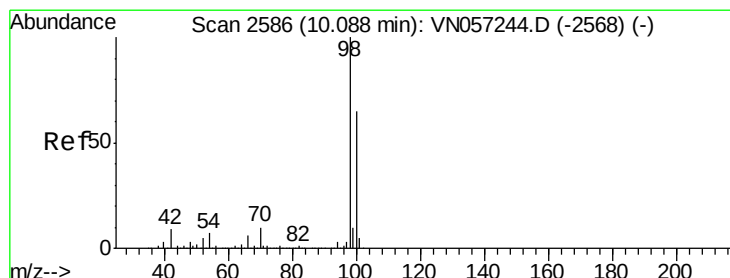
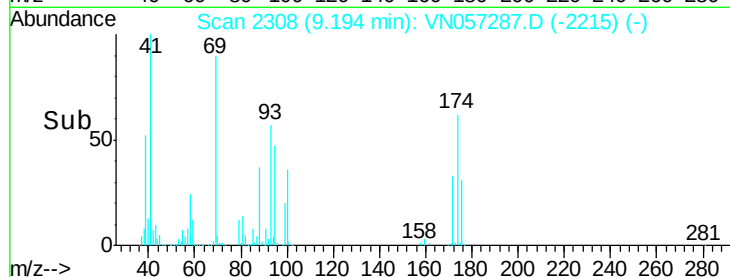
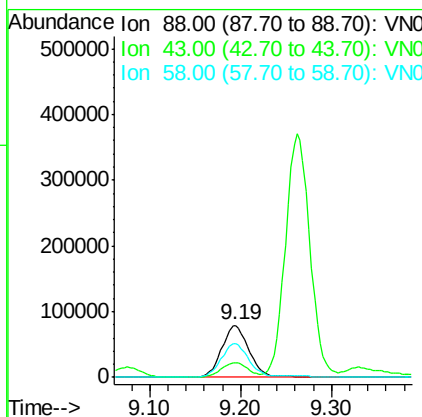
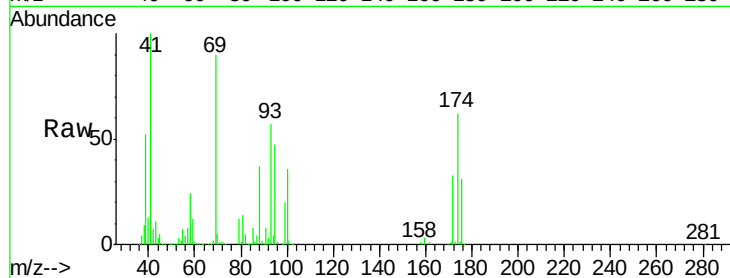
#49
1,4-Dioxane
Concen: 1016.478 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	165483
Ion	Ratio	Lower	Upper
88	100		
43	27.6	20.7	31.1
58	65.5	52.0	78.0

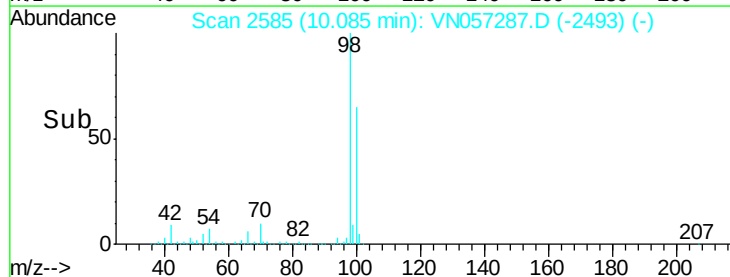
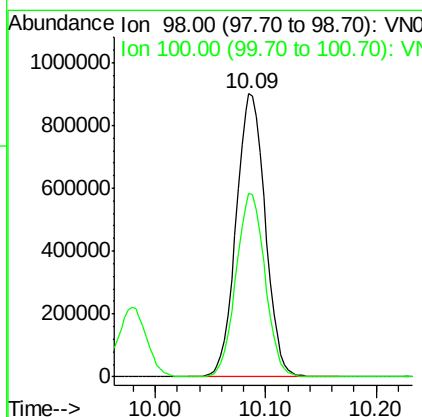
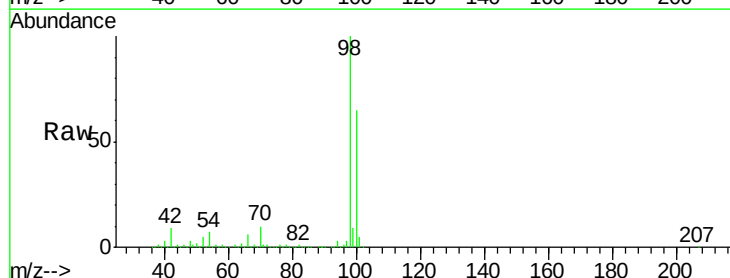
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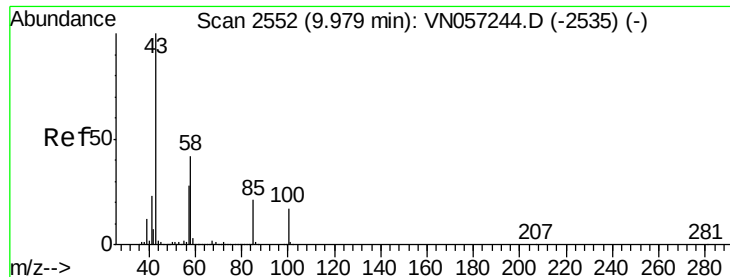
MMDadoda
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#50
Toluene-d8
Concen: 52.366 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Tgt Ion	98	Resp	1645246
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 270.028 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Tot Ion: 43 Resp: 2475561

Ion Ratio Lower Upper

43 100

58 41.1 33.7 50.5

Instrument :

MSVOA_N

ClientSampleId :

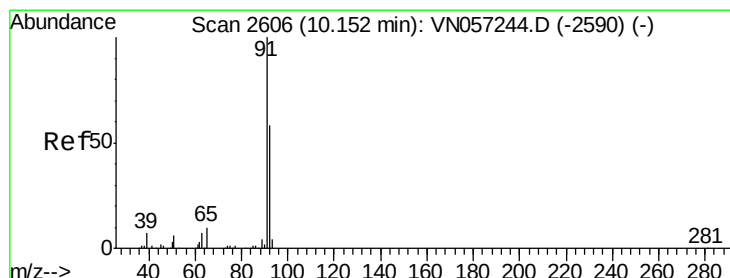
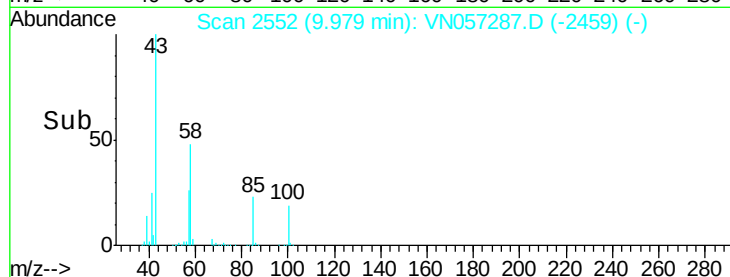
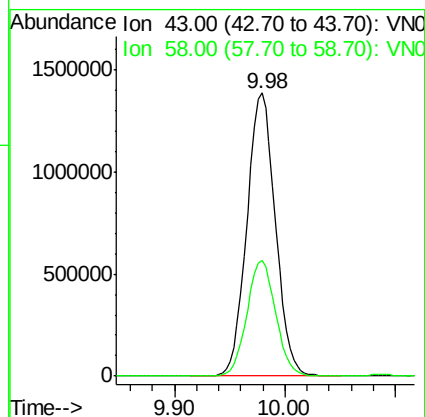
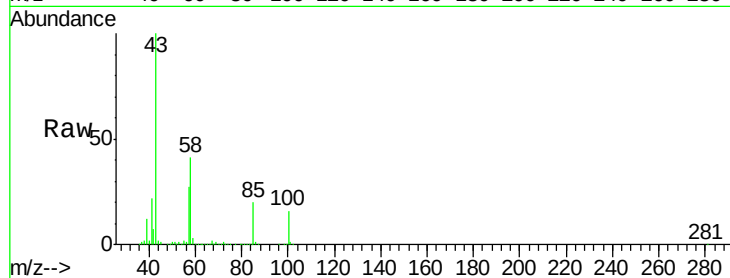
VSTDCCC050EC

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#52

Toluene

Concen: 50.176 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057287.D

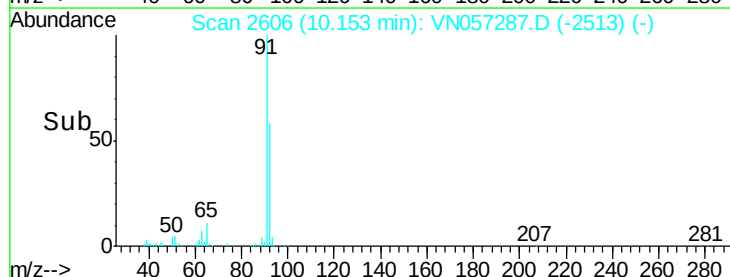
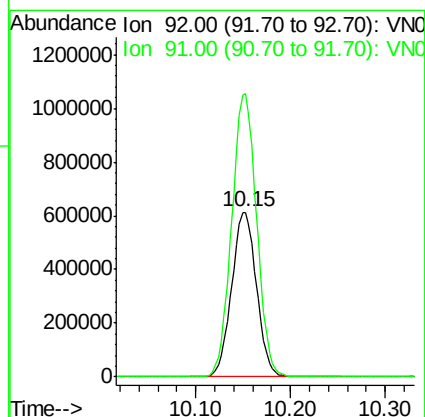
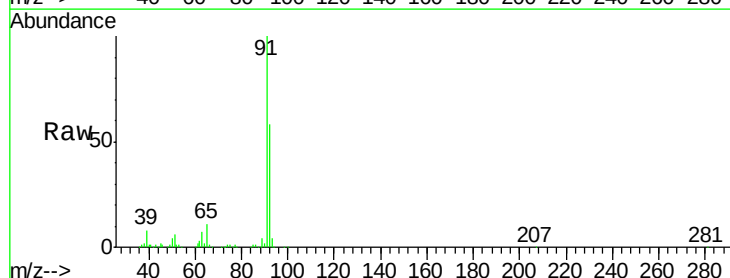
Acq: 14 Aug 2019 14:57

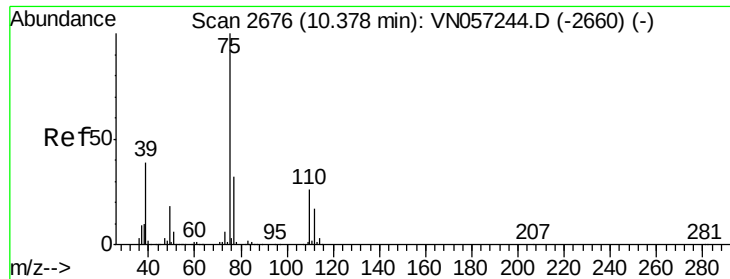
Tgt Ion: 92 Resp: 1116941

Ion Ratio Lower Upper

92 100

91 172.6 138.2 207.2





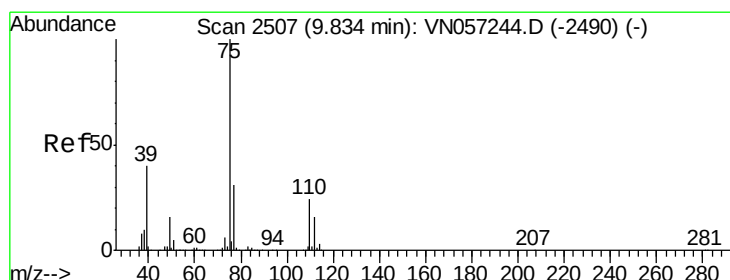
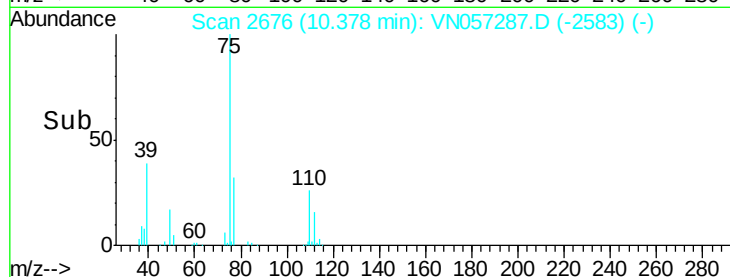
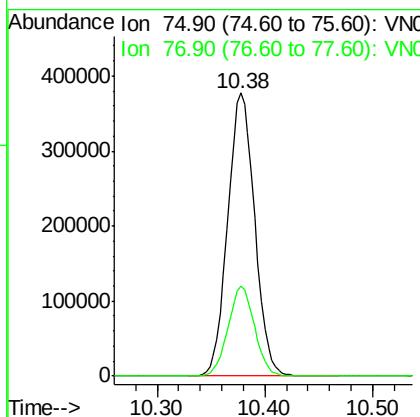
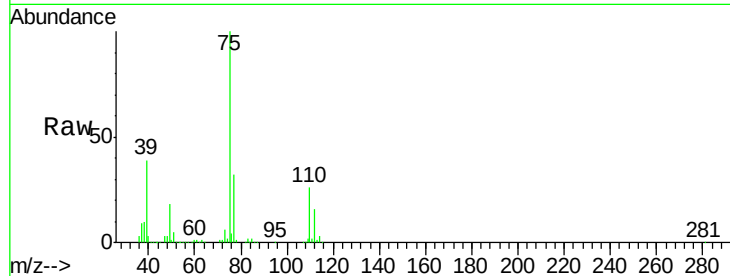
#53
t-1,3-Dichloropropene
Concen: 52.117 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.3	37.9

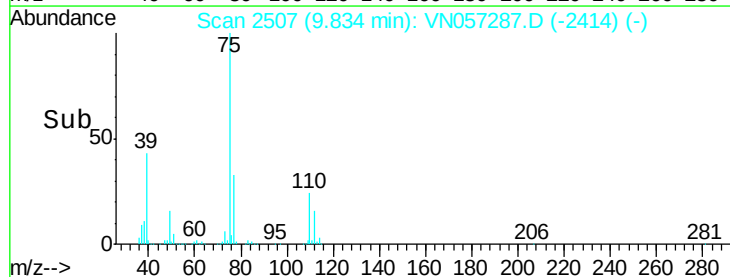
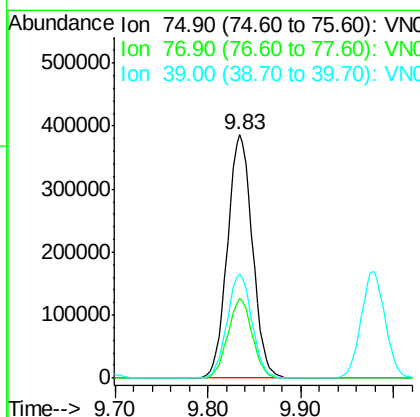
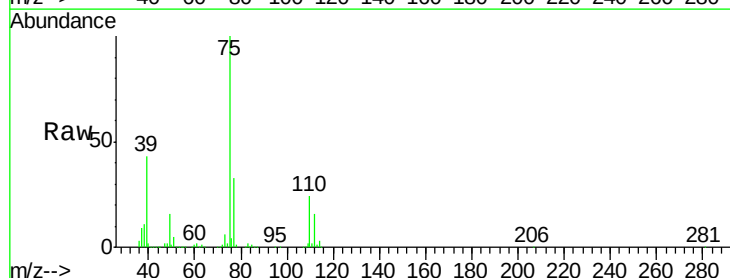
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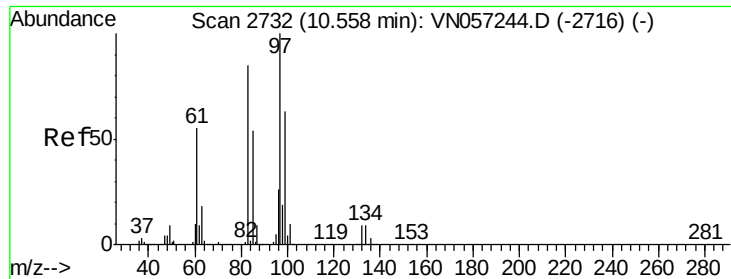
MMdadoda
8/19/2019 1:52:52 AM



#54
cis-1,3-Dichloropropene
Concen: 50.538 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.0	37.6
39	42.8	32.3	48.5





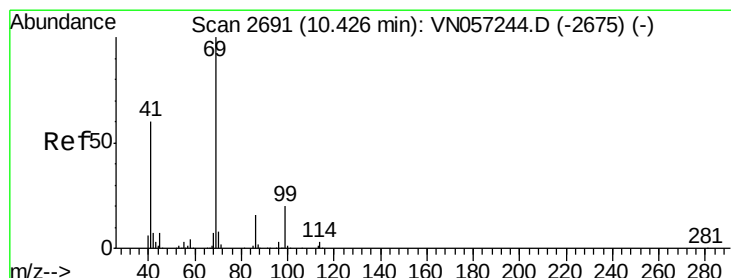
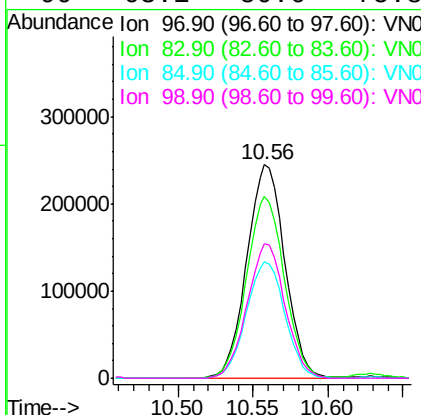
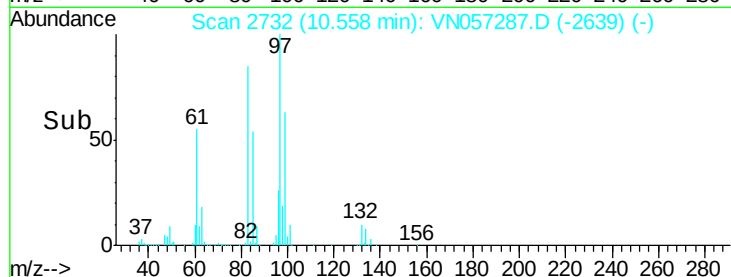
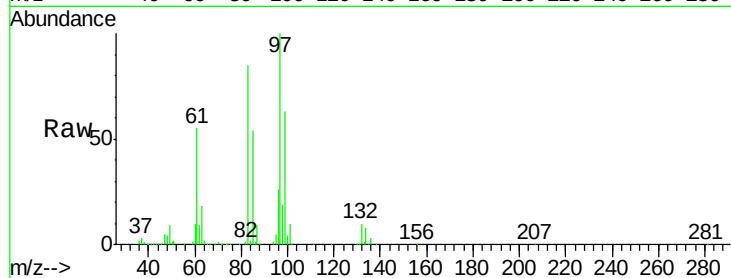
#55
 1,1,2-Trichloroethane
 Concen: 49.735 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		432748		
83	84.9	68.4	102.6		
85	54.4	43.0	64.6		
99	63.1	50.6	75.8		

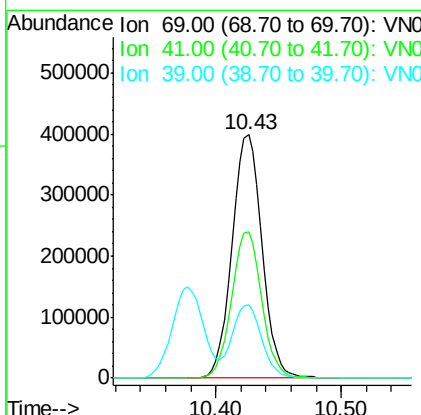
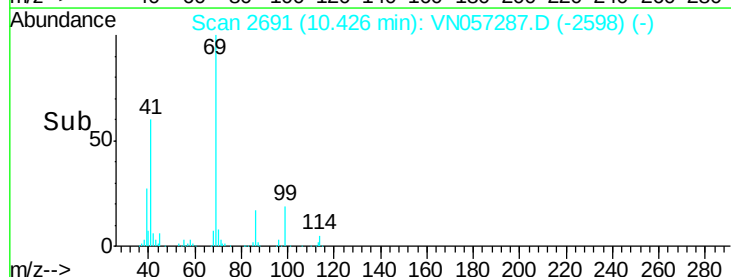
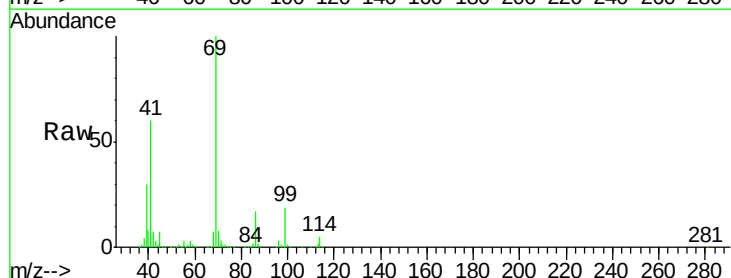
Manual Integrations
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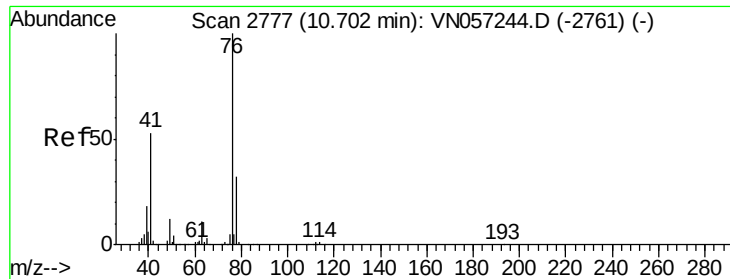
MMdadoda
 8/19/2019 1:52:52 AM



#56
 Ethyl methacrylate
 Concen: 54.267 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		662466		
41	59.5	47.6	71.4		
39	29.4	23.4	35.0		





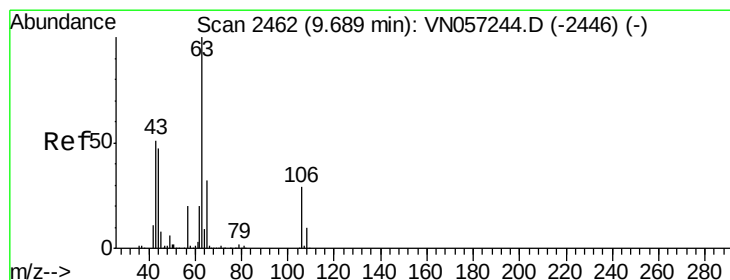
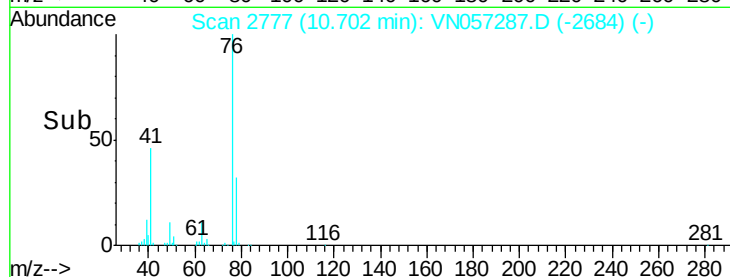
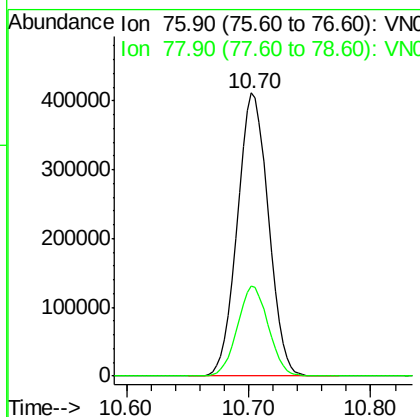
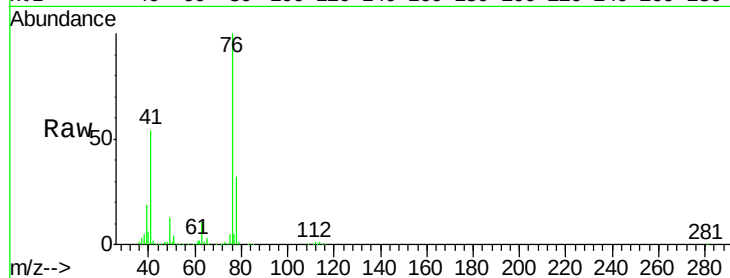
#57
 1,3-Dichloropropane
 Concen: 50.372 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.0	39.0

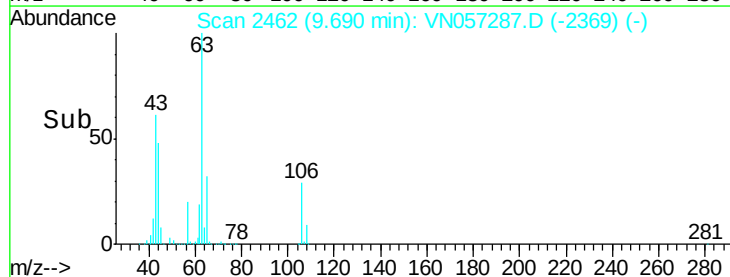
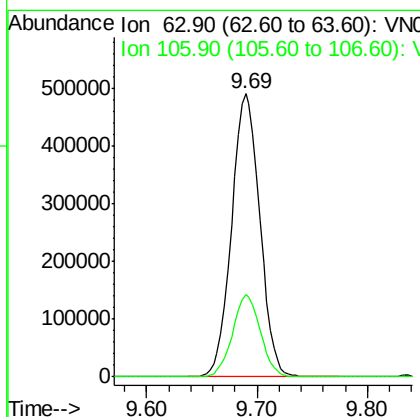
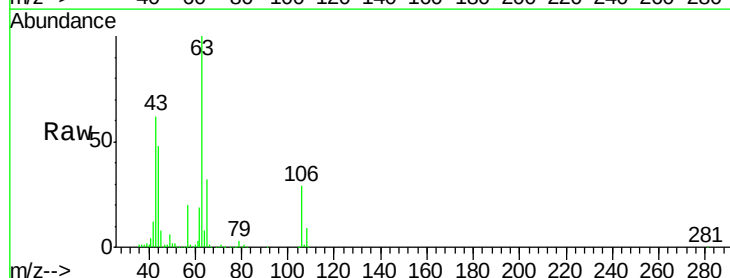
Manual Integrations
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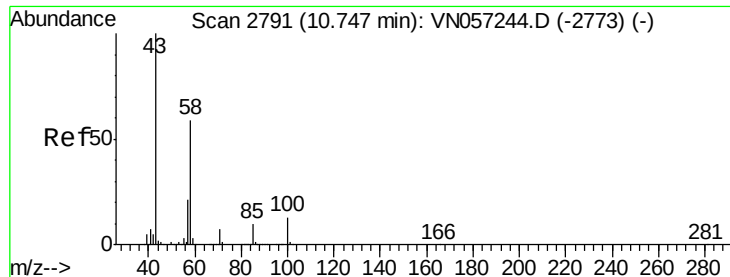
MMDadoda
 8/19/2019 1:52:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.992 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.4	35.2





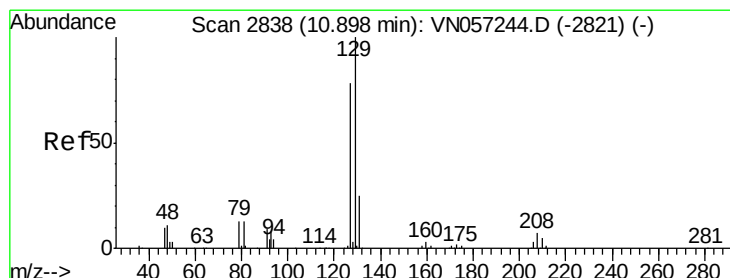
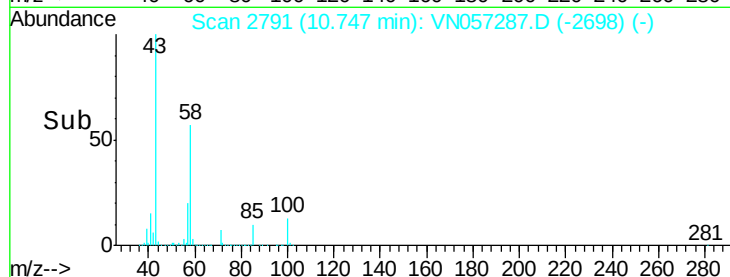
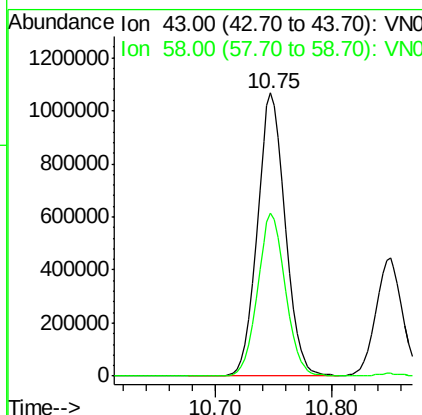
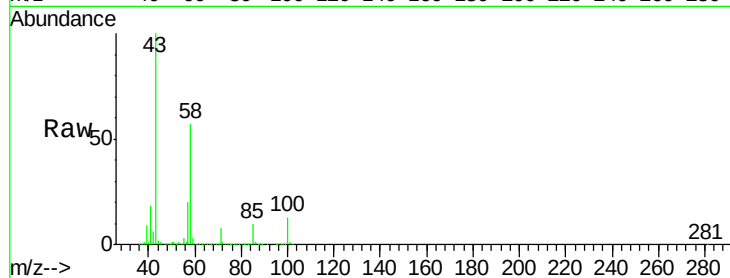
#59
2-Hexanone
Concen: 274.000 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1782291
Ion Ratio Lower Upper
43 100
58 57.6 29.1 87.4

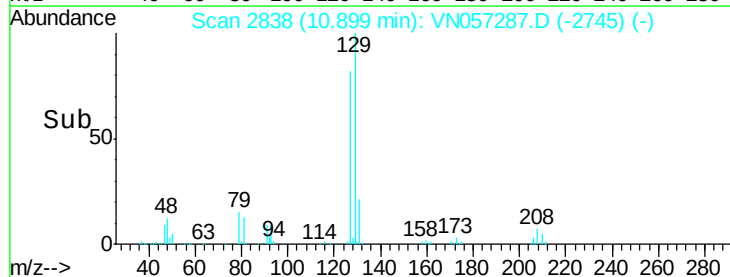
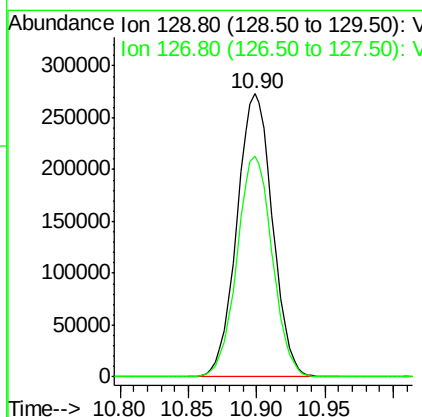
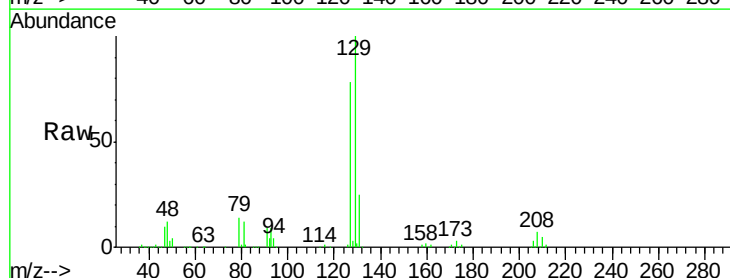
Manual Integrations
APPROVED

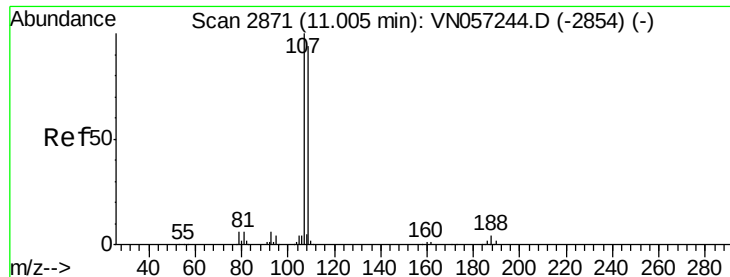
MMDadoda
8/19/2019 1:52:52 AM



#60
Dibromochloromethane
Concen: 50.642 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Tgt Ion: 129 Resp: 494140
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





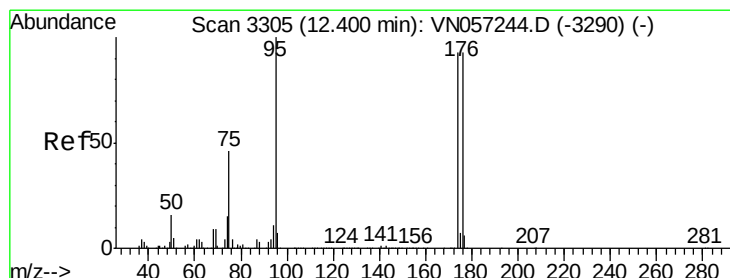
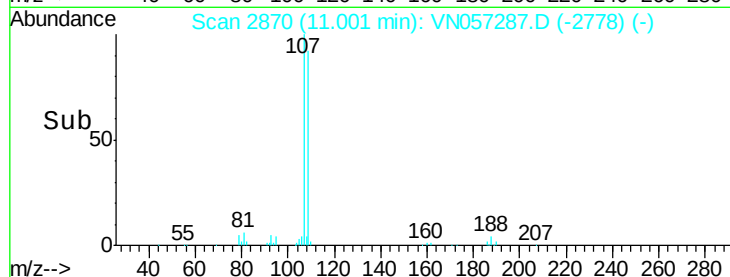
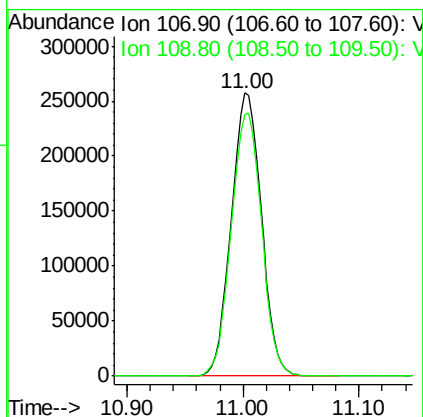
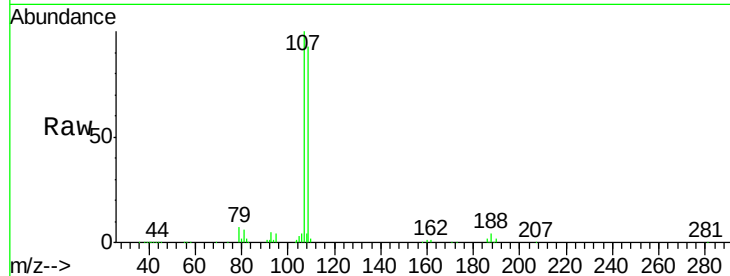
#61
 1,2-Dibromoethane
 Concen: 51.141 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.7	113.5

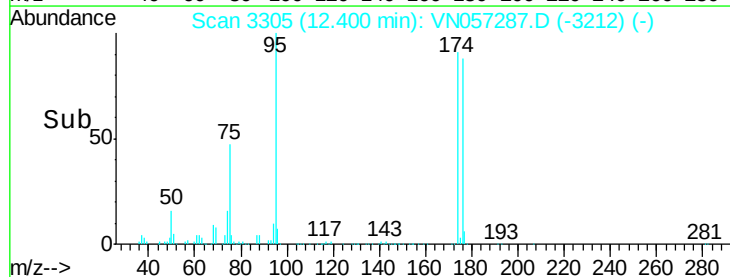
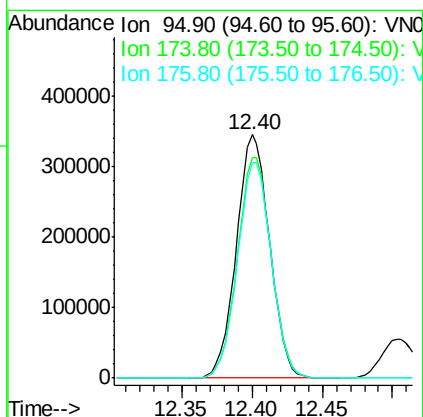
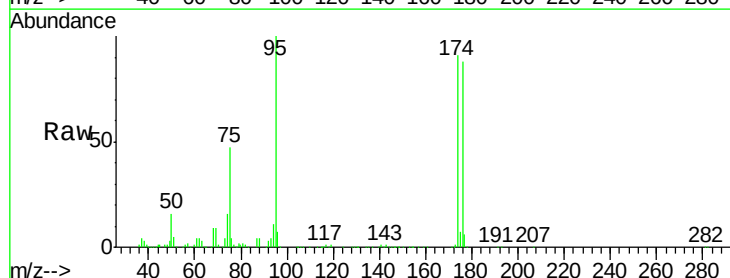
Manual Integrations
 APPROVED

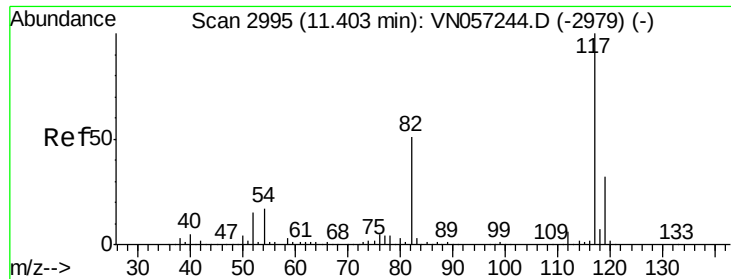
MMdadoda
 8/19/2019 1:52:52 AM



#62
 4-Bromofluorobenzene
 Concen: 52.865 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.4	0.0	187.6
176	89.8	0.0	185.8





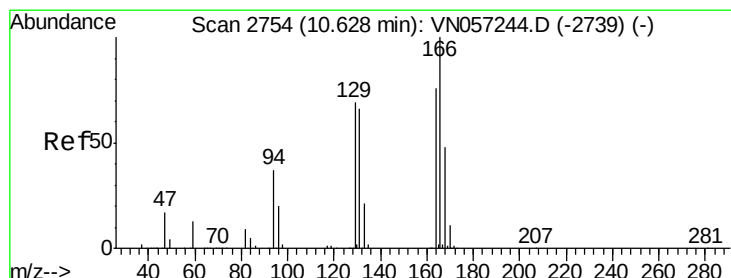
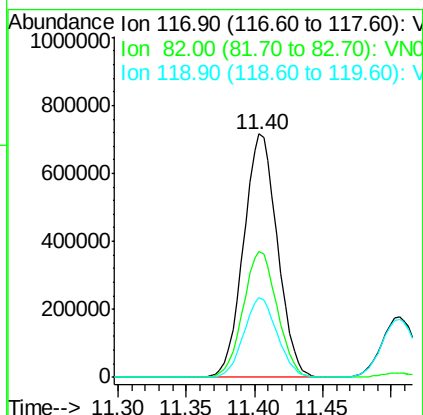
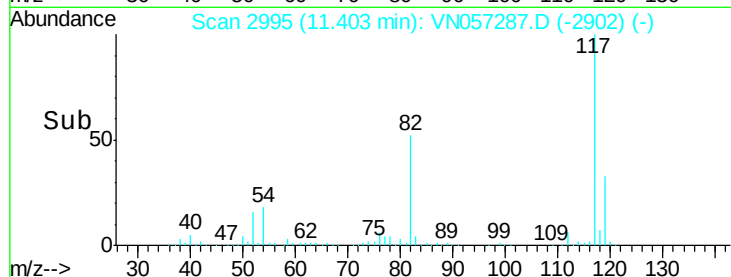
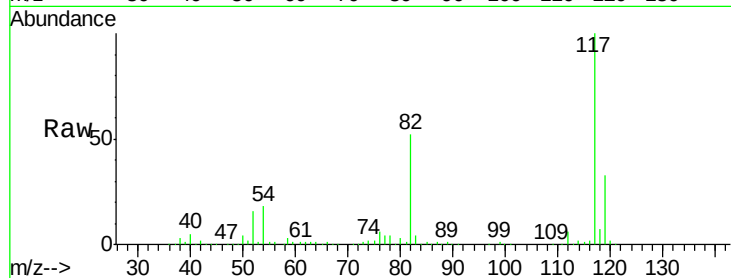
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	40.9	61.3
119	32.6	25.4	38.2

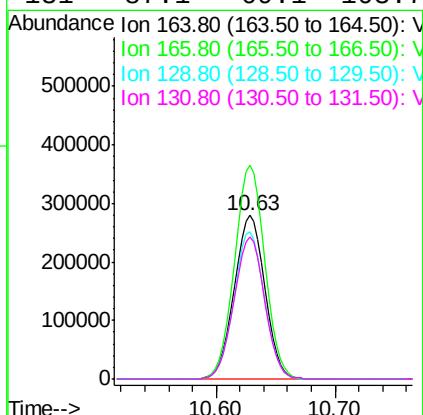
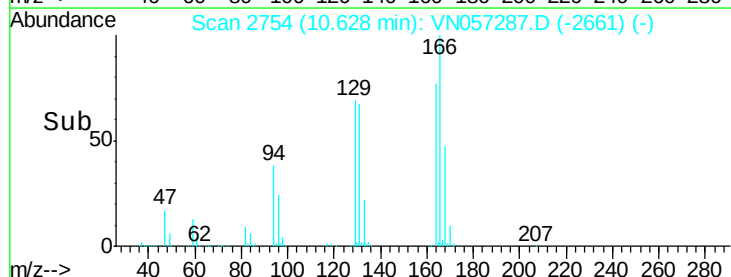
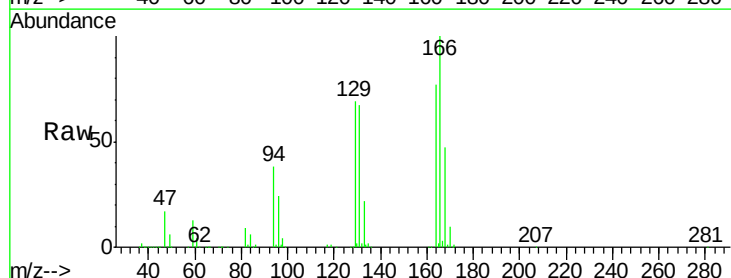
Manual Integrations
APPROVED

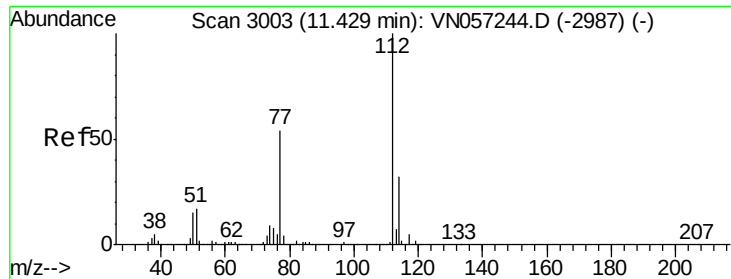
MMdadoda
8/19/2019 1:52:52 AM



#64
Tetrachloroethene
Concen: 45.706 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	104.9	157.3
129	89.8	71.9	107.9
131	87.1	69.1	103.7





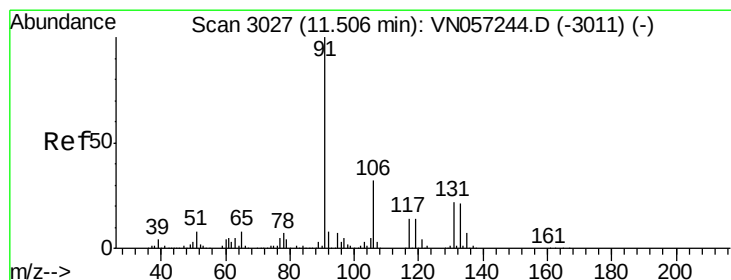
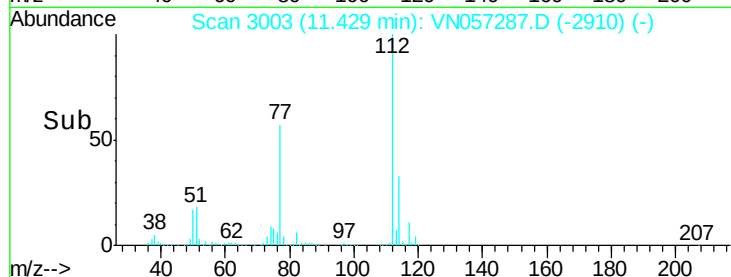
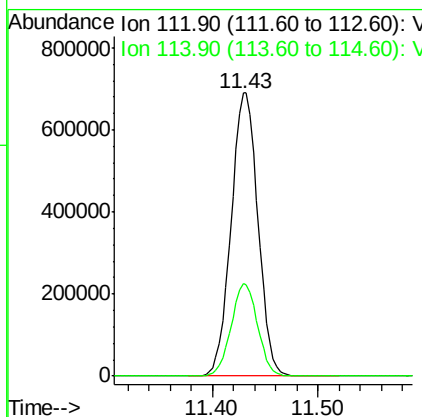
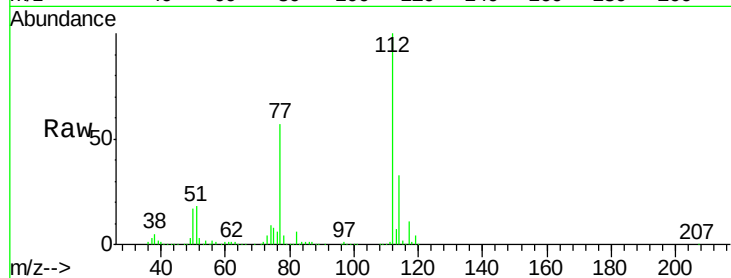
#65
Chlorobenzene
Concen: 48.080 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1210576
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.2

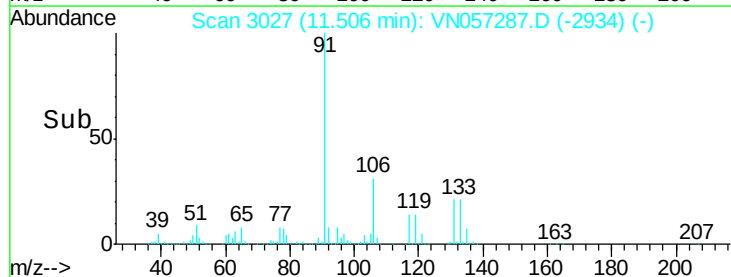
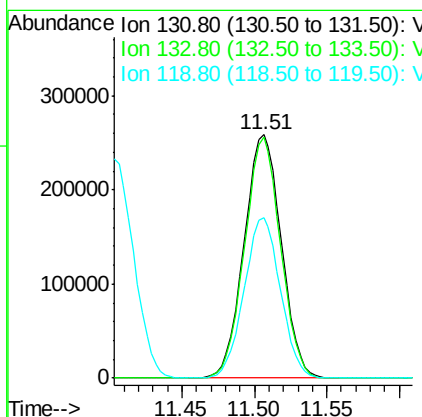
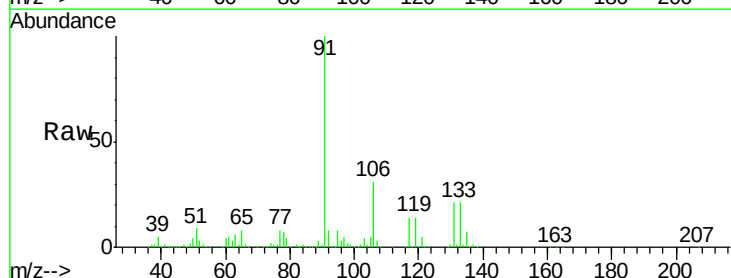
Manual Integrations
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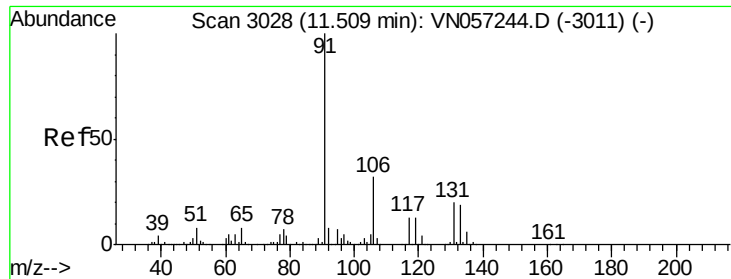
MMdadoda
8/19/2019 1:52:52 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.463 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Tgt Ion:131 Resp: 461485
Ion Ratio Lower Upper
131 100
133 95.7 46.9 140.7
119 64.5 32.3 96.8





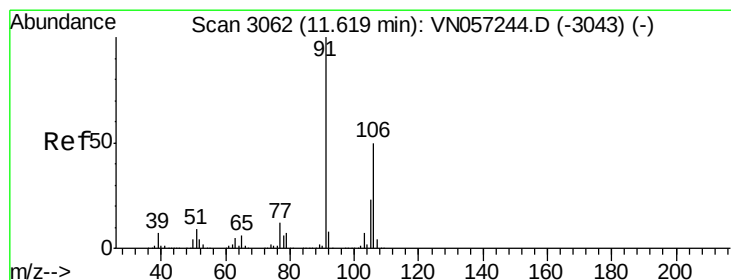
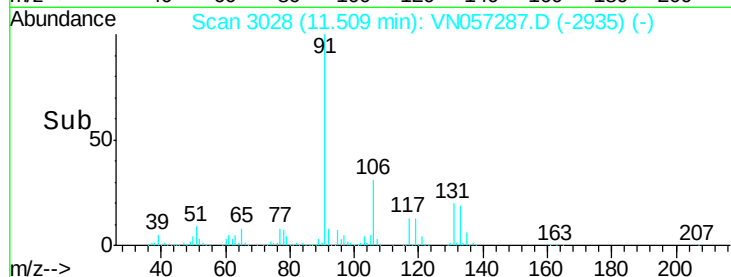
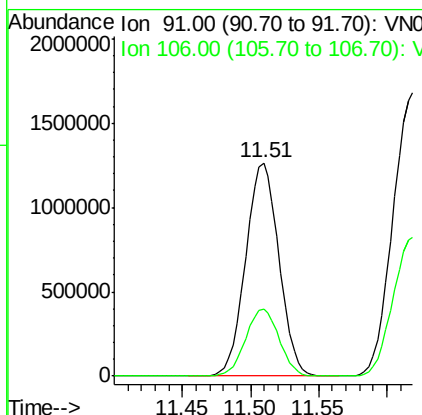
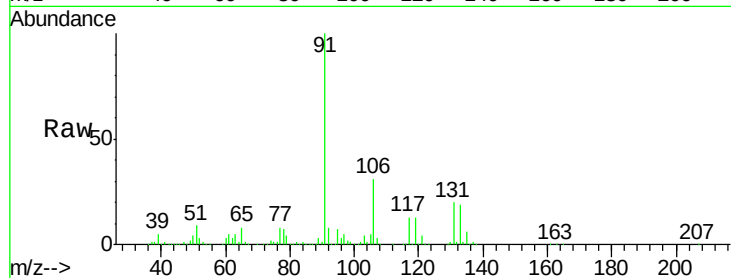
#67
Ethyl Benzene
Concen: 49.687 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2135713
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.0

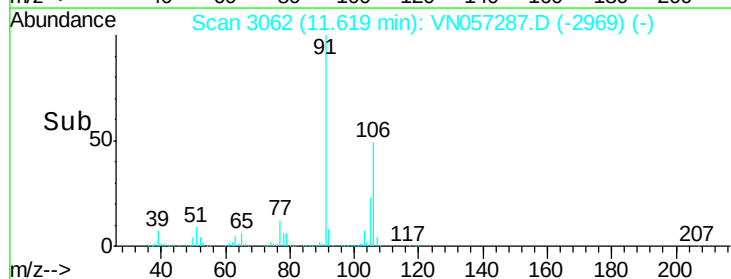
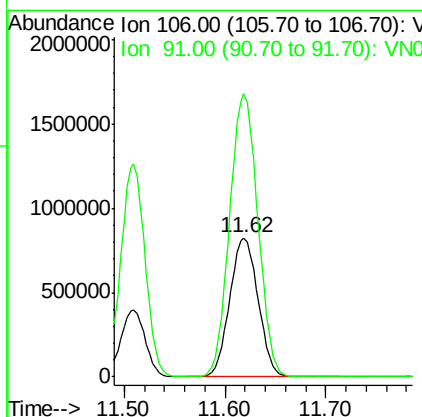
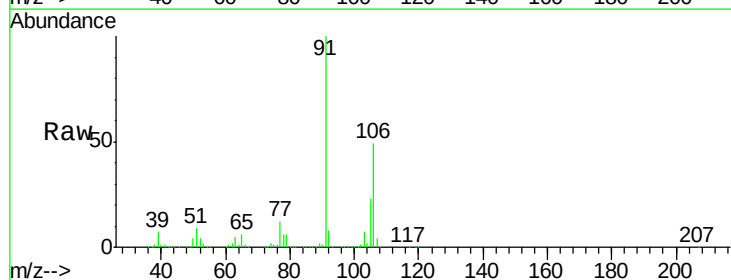
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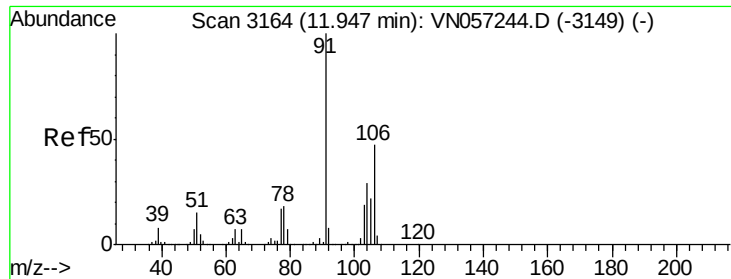
MMdadoda
8/19/2019 1:52:52 AM



#68
m/p-Xylenes
Concen: 100.194 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Tgt Ion: 106 Resp: 1606853
Ion Ratio Lower Upper
106 100
91 203.5 161.4 242.0





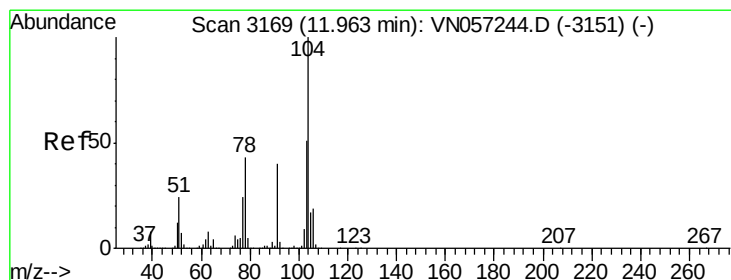
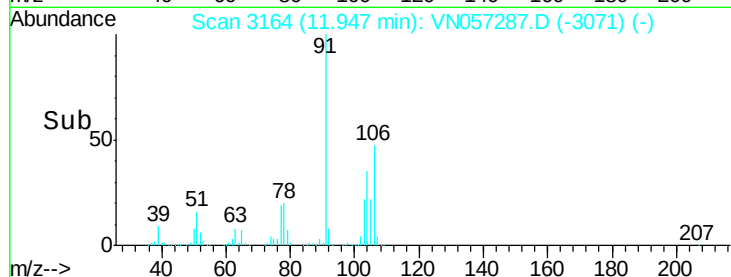
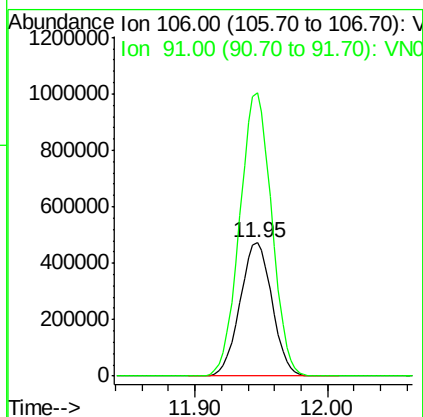
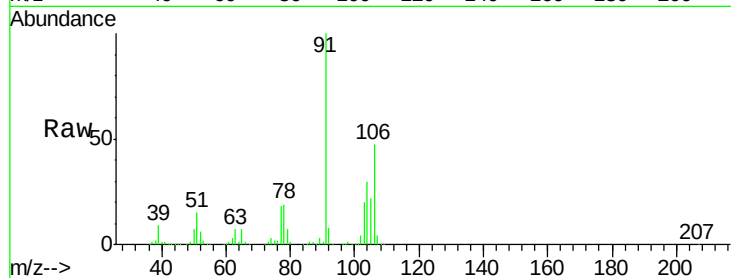
#69
o-Xylene
Concen: 50.421 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		791741		
91	212.3	106.5	319.4		

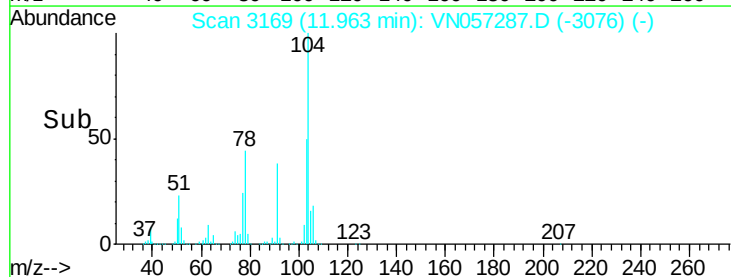
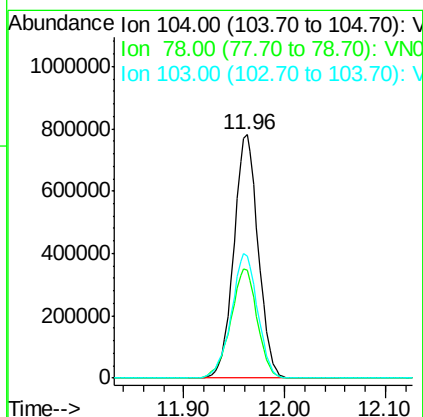
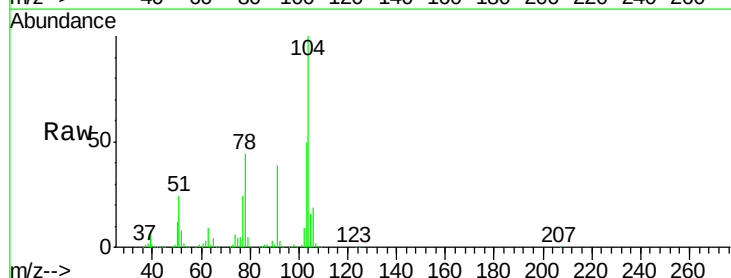
Manual Integrations
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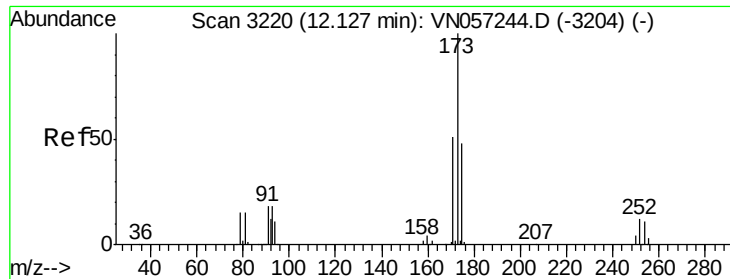
MMDadoda
8/19/2019 1:52:52 AM



#70
Styrene
Concen: 53.936 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		1311266		
78	48.8	38.6	57.8		
103	55.1	43.9	65.9		





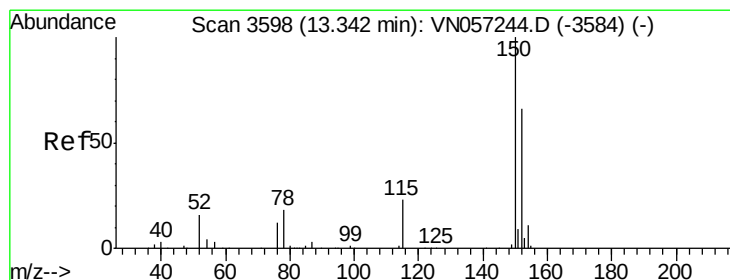
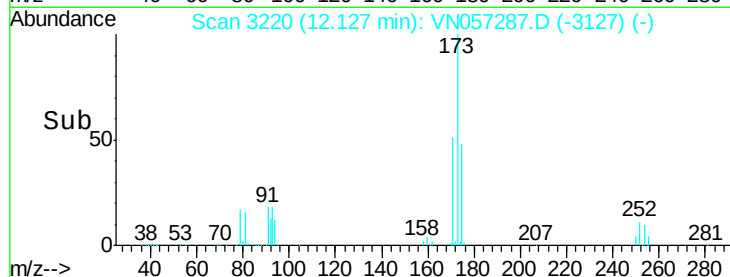
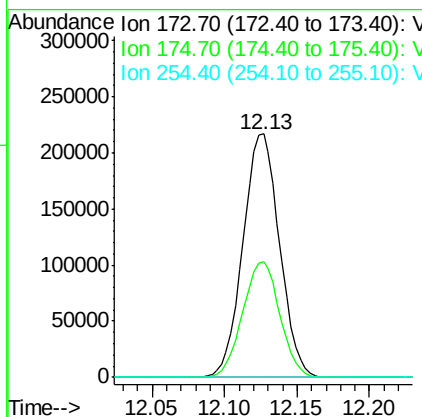
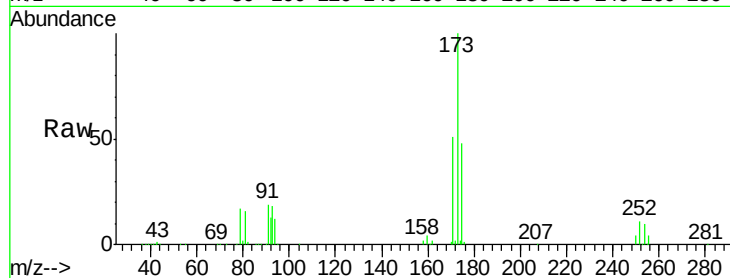
#71
Bromoform
Concen: 51.178 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.4	73.2
254	0.1	0.2	0.2

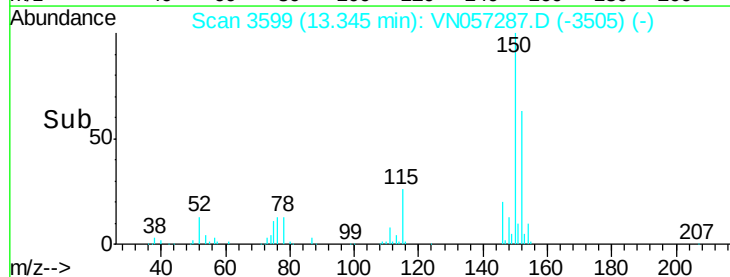
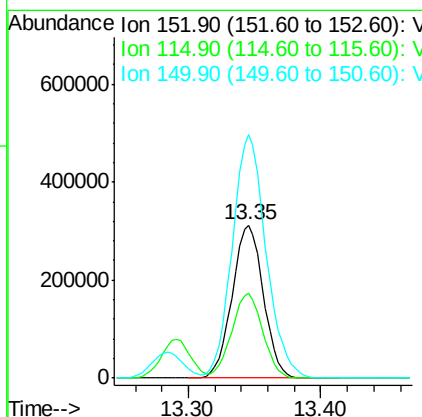
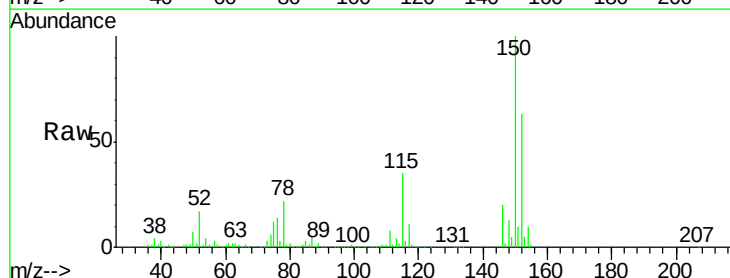
Manual Integrations
APPROVED

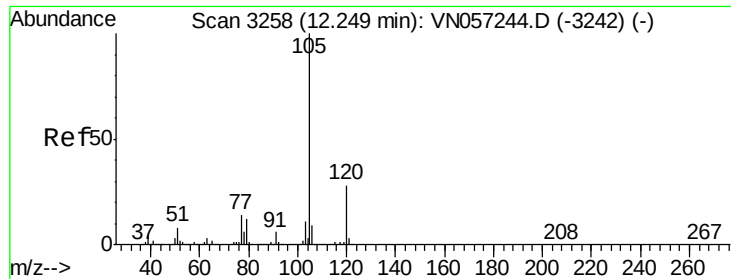
MMdadoda
8/19/2019 1:52:52 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.6	82.8
150	172.3	0.0	348.4





#73

Isopropylbenzene

Concen: 53.782 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2107206

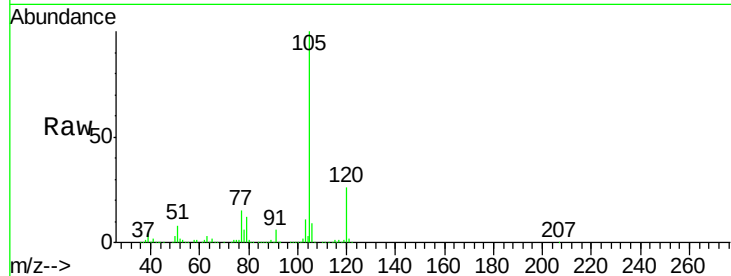
Ion Ratio Lower Upper

105 100

120 26.5 13.8 41.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

1000000

500000

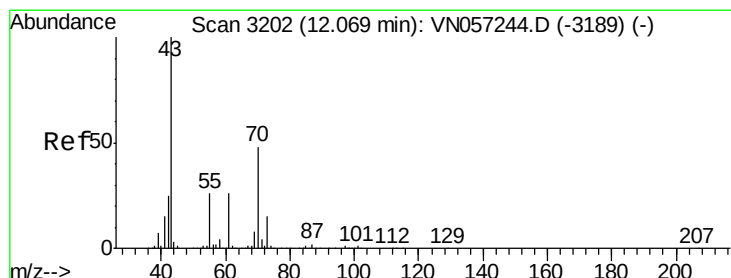
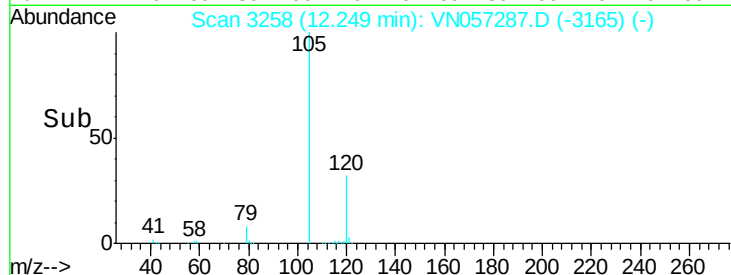
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 55.790 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Tgt Ion: 43 Resp: 666592

Ion Ratio Lower Upper

43 100

70 45.9 37.4 56.2

55 25.4 21.0 31.4

61 26.0 20.9 31.3

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

600000

400000

200000

0

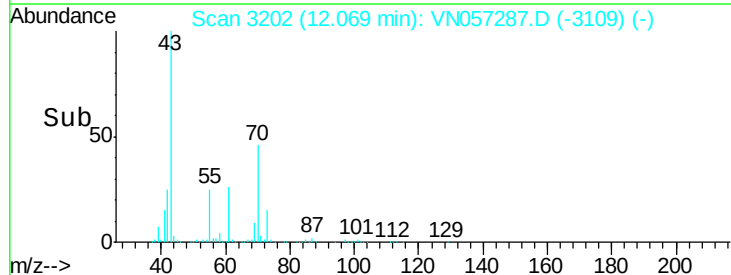
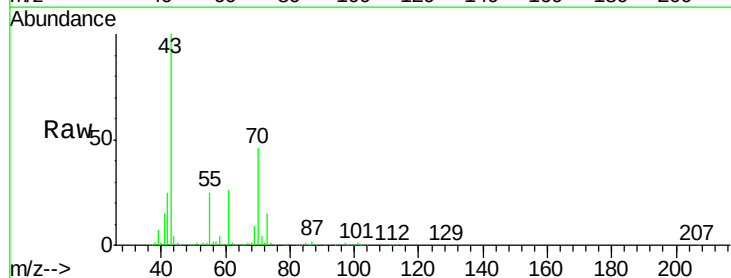
12.00

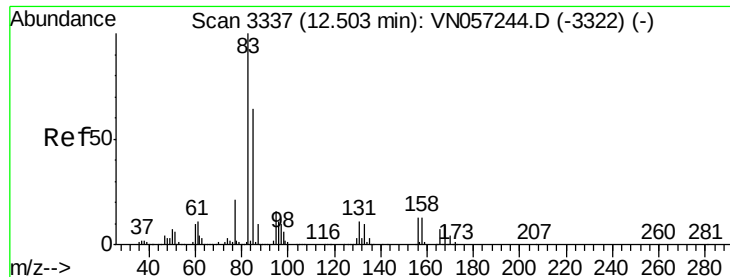
12.05

12.10

12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.145 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Instrument :

MSVOA_N

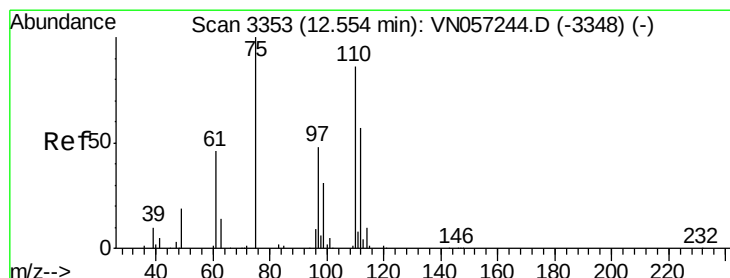
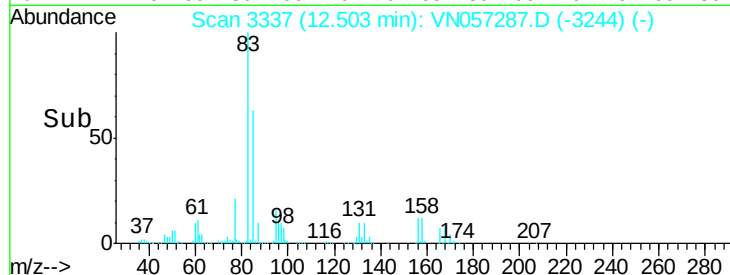
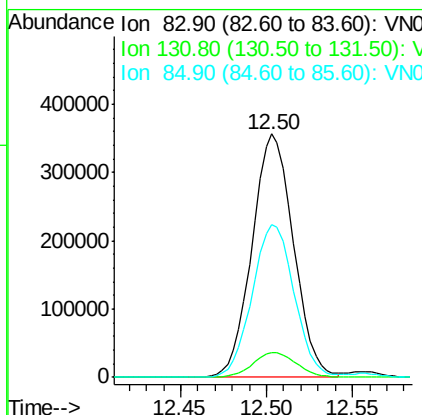
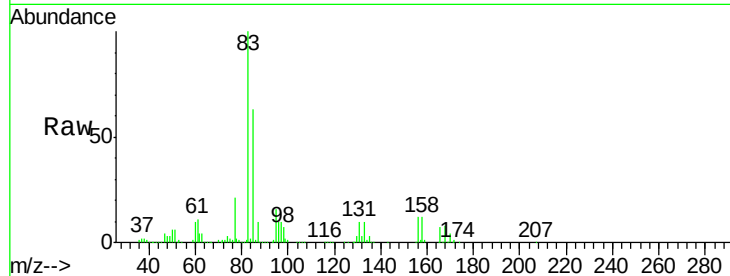
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	595486
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.6	16.8
85	63.7	32.3	96.8

Manual Integrations
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8/19/2019 1:52:52 AM



#76

1,2,3-Trichloropropane

Concen: 55.895 ug/l m

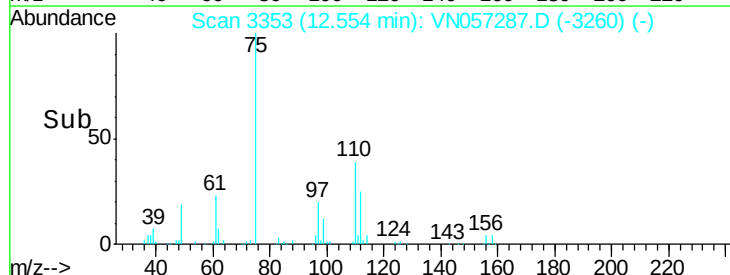
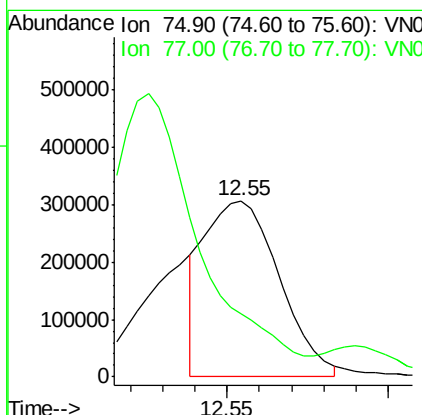
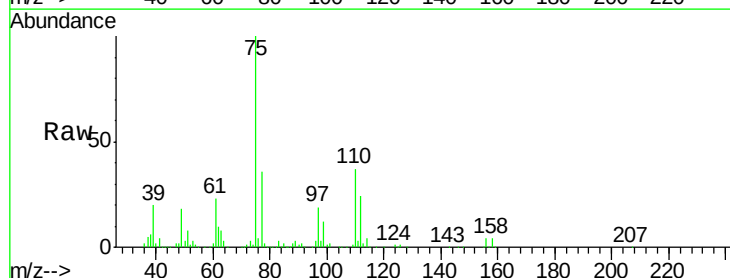
RT: 12.55 min Scan# 3353

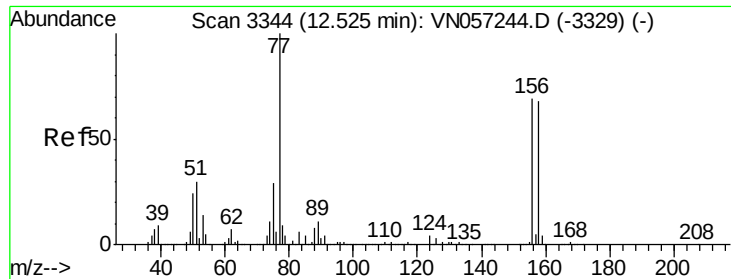
Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Tgt Ion:	75	Resp:	495153
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.194 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Instrument :

MSVOA_N

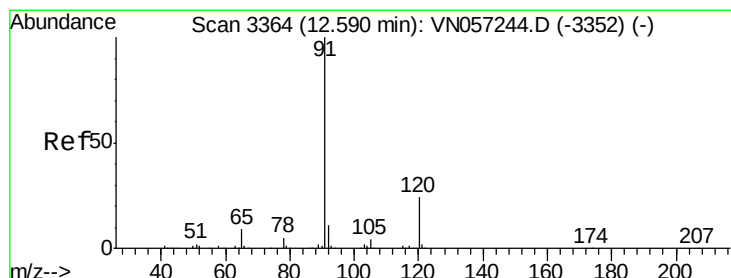
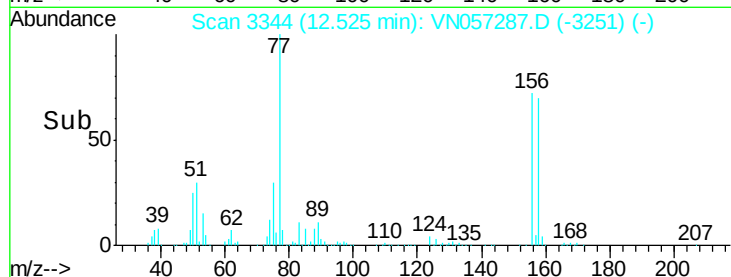
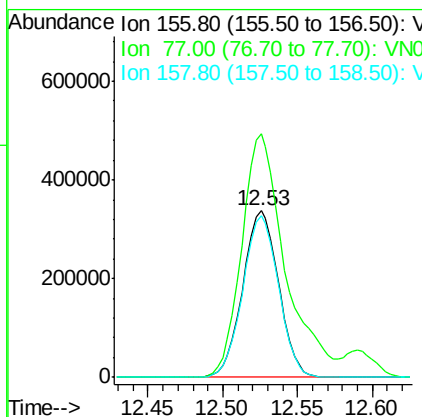
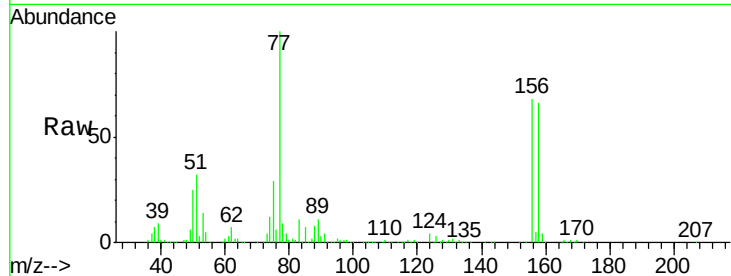
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	562637
Ion Ratio	Lower	Upper	
156	100		
77	178.2	88.0	264.1
158	96.9	49.4	148.0

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8/19/2019 1:52:52 AM



#78

n-propylbenzene

Concen: 52.187 ug/l

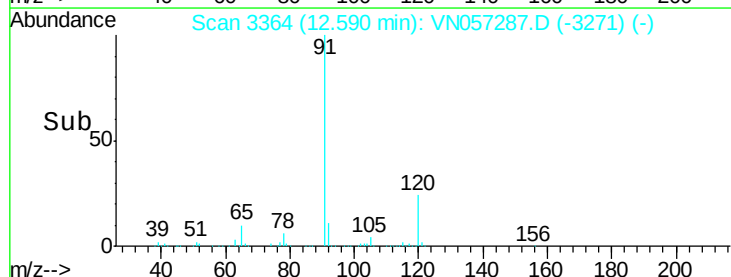
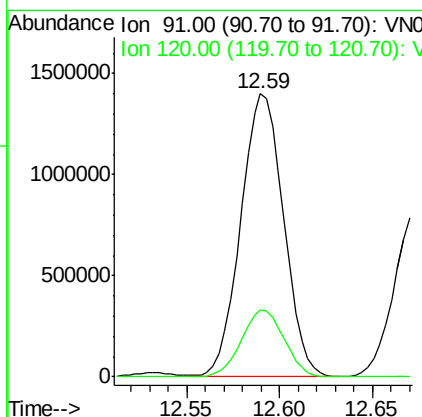
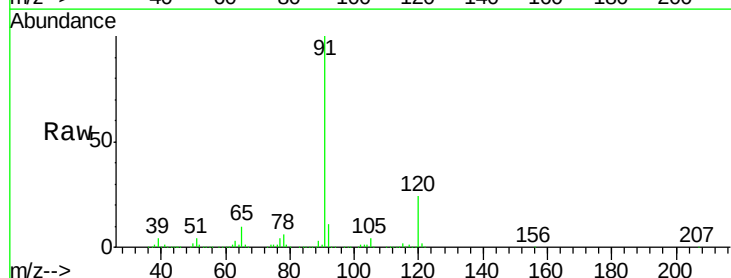
RT: 12.59 min Scan# 3364

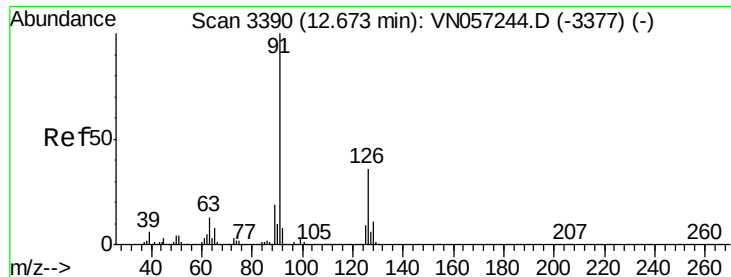
Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Tgt Ion:	91	Resp:	2231861
Ion Ratio	Lower	Upper	
91	100		
120	23.6	12.1	36.3





#79

2-Chlorotoluene

Concen: 53.426 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1374969

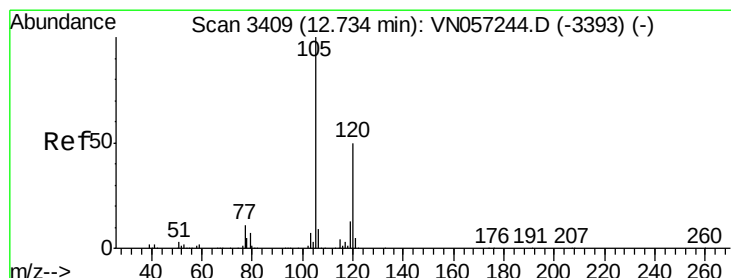
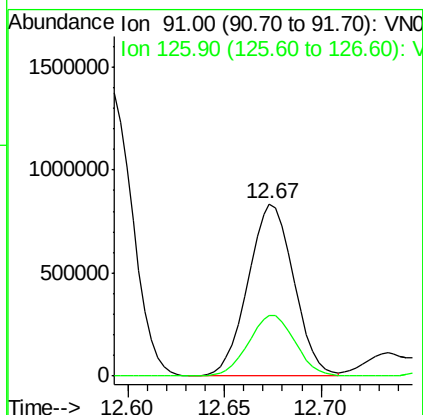
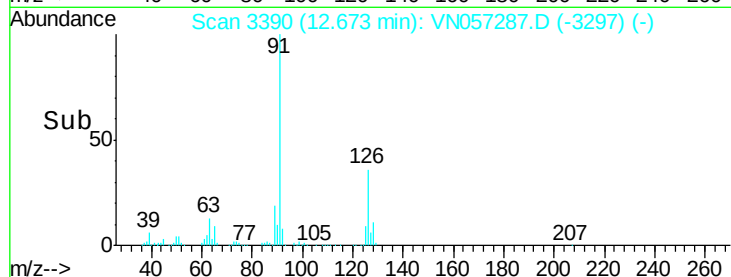
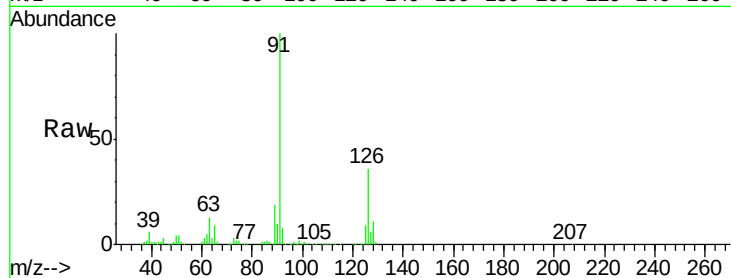
Ion Ratio Lower Upper

91 100

126 36.0 18.0 54.0

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 52.899 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057287.D

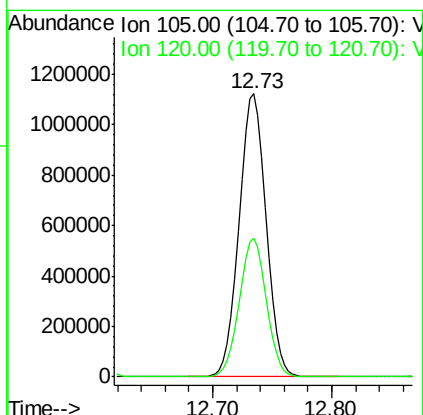
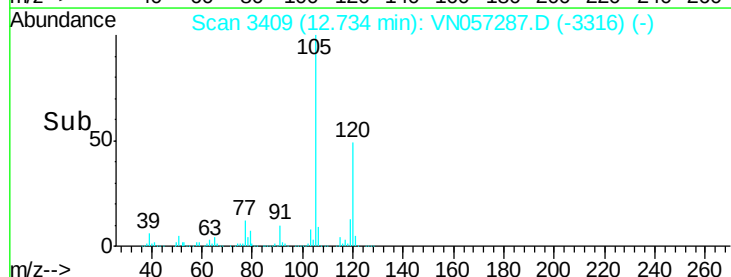
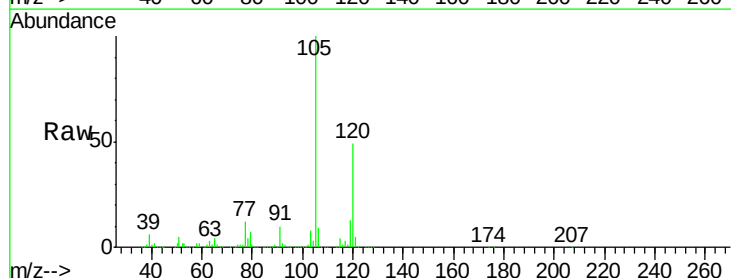
Acq: 14 Aug 2019 14:57

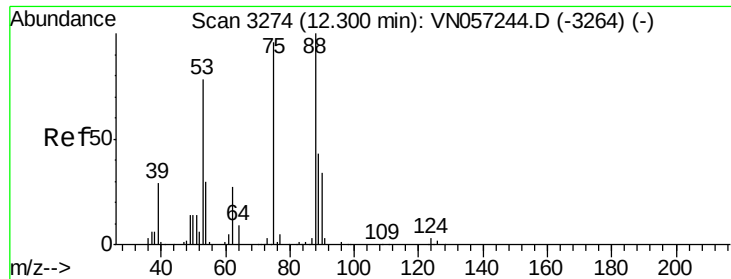
Tgt Ion: 105 Resp: 1759495

Ion Ratio Lower Upper

105 100

120 49.2 25.3 75.8





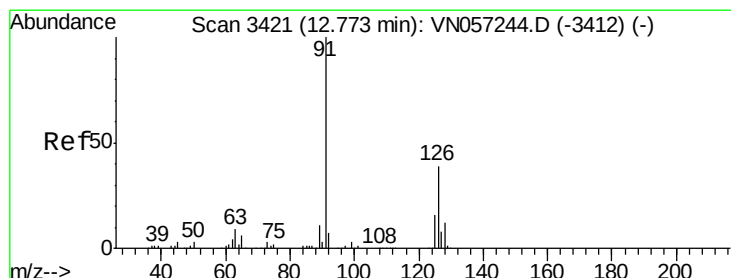
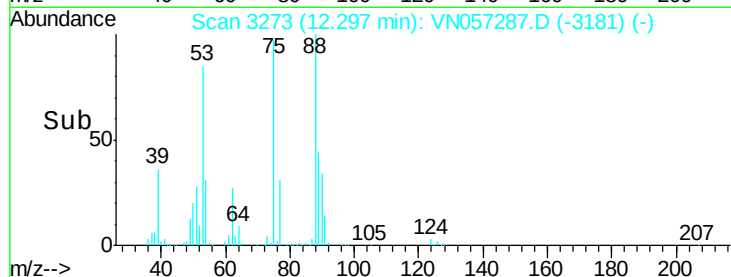
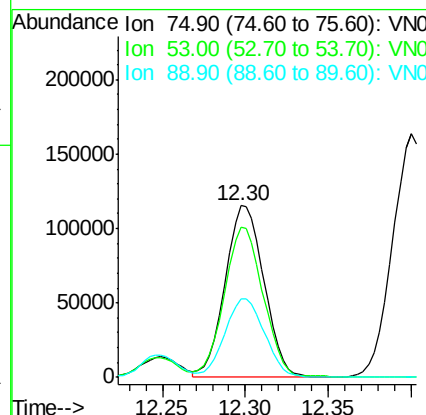
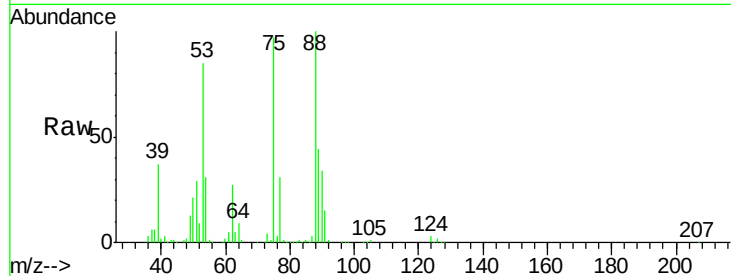
#81
trans-1,4-Dichloro-2-butene
Concen: 49.233 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.4	65.8	98.6
89	46.8	36.7	55.1

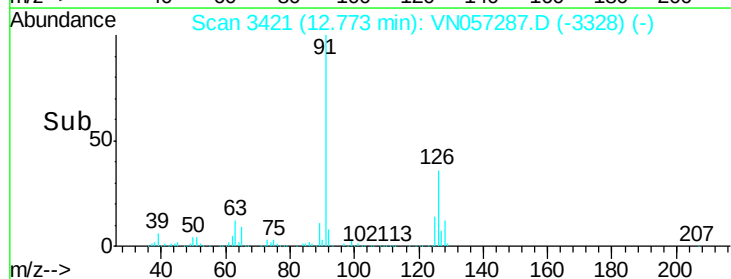
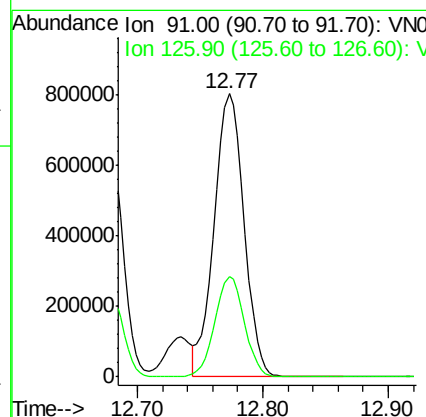
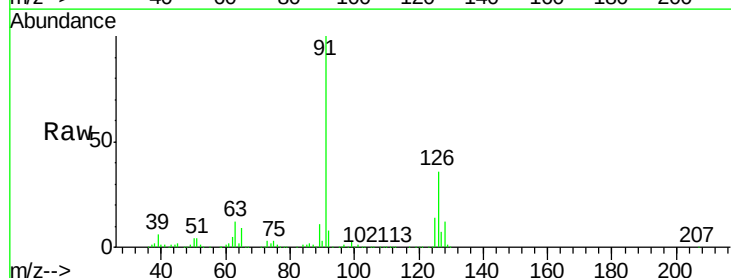
Manual Integrations
APPROVED

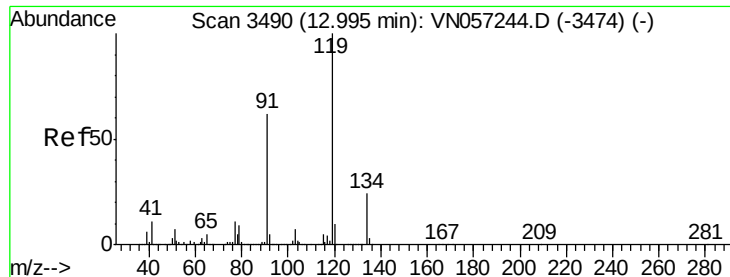
MMDadoda
8/19/2019 1:52:52 AM



#82
4-Chlorotoluene
Concen: 47.692 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.9	53.7





#83

tert-Butylbenzene

Concen: 52.750 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1551915

Ion Ratio Lower Upper

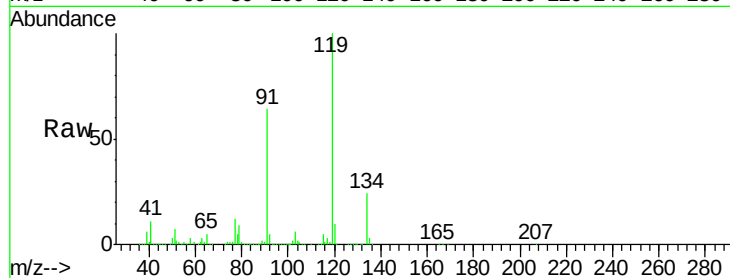
119 100

91 63.2 30.8 92.3

134 25.9 12.9 38.7

Manual Integrations
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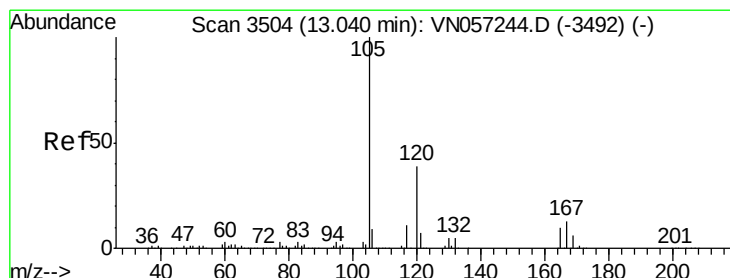
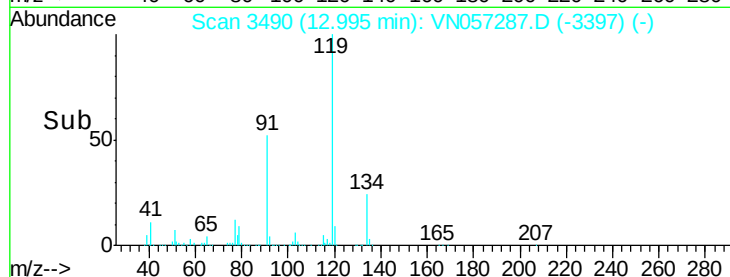
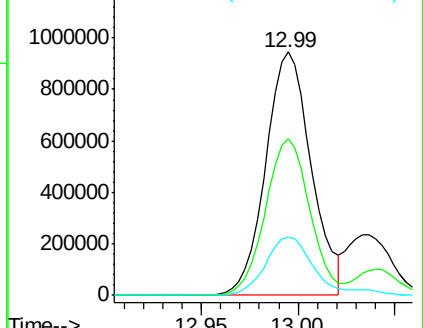
MMdadoda
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 46.430 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN057287.D

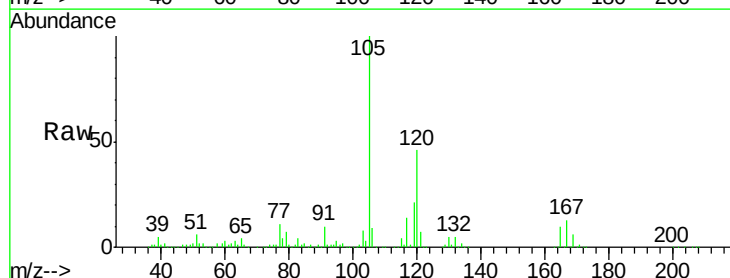
Acq: 14 Aug 2019 14:57

Tgt Ion:105 Resp: 1665616

Ion Ratio Lower Upper

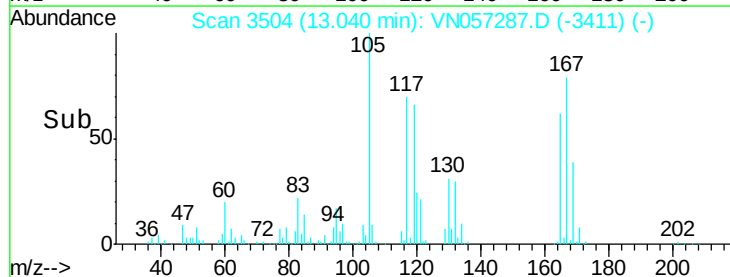
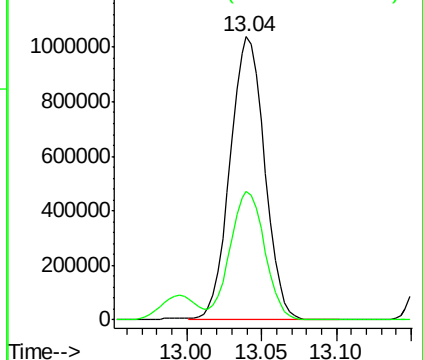
105 100

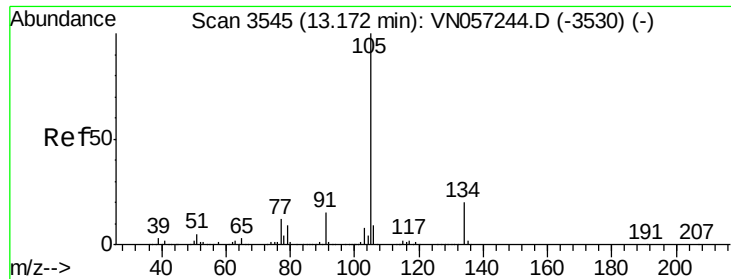
120 45.4 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.883 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1945957

Ion Ratio Lower Upper

105 100

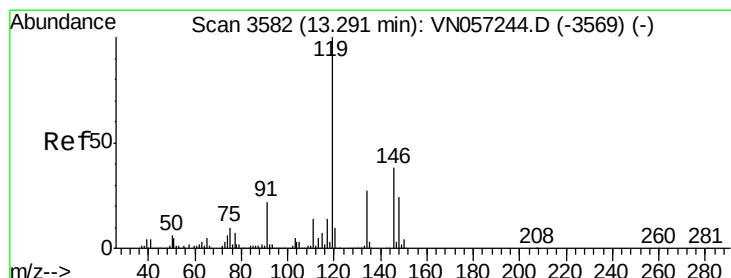
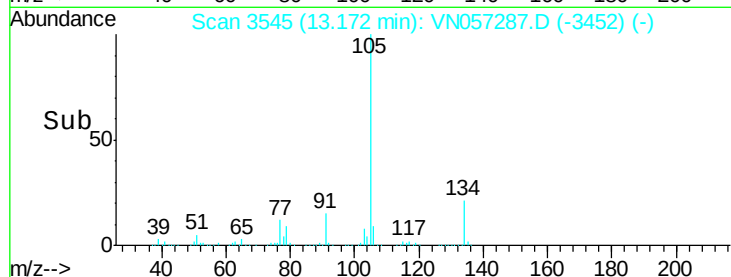
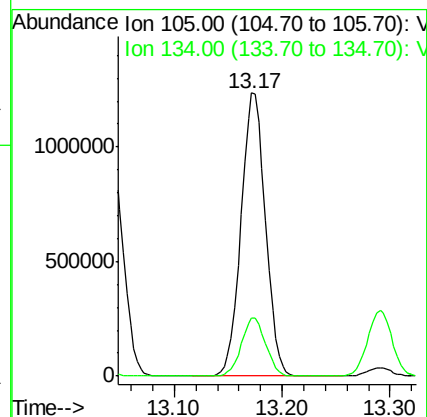
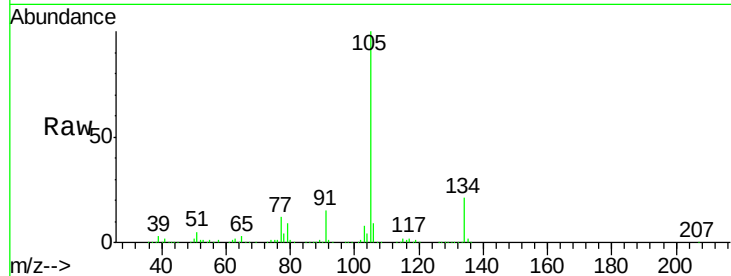
134 20.6 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 45.268 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

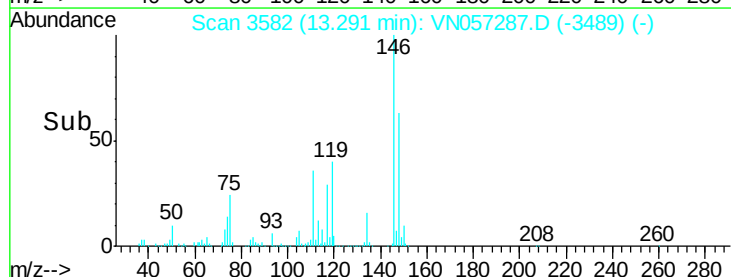
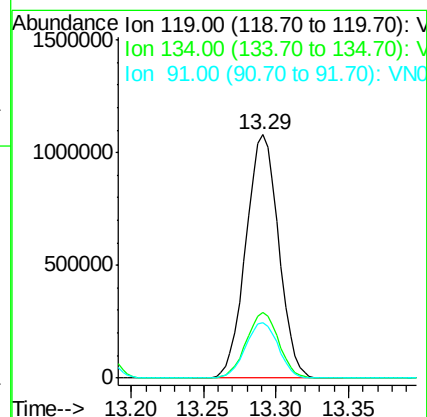
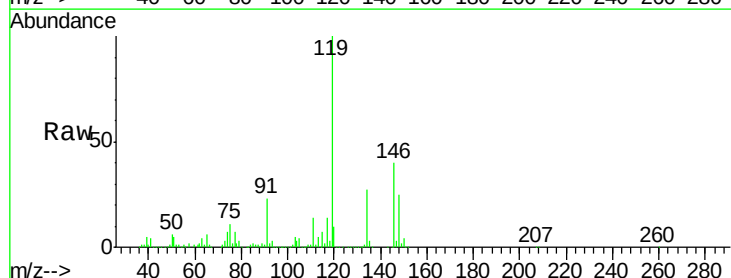
Tgt Ion:119 Resp: 1695781

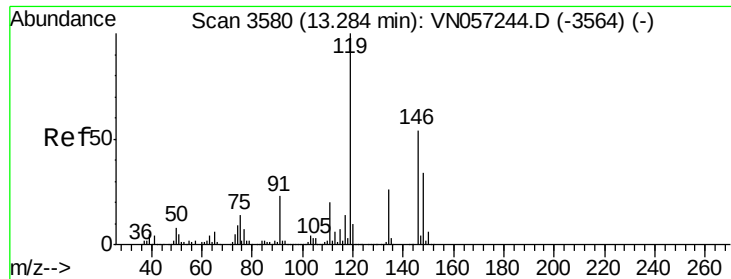
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

91 22.7 11.1 33.3





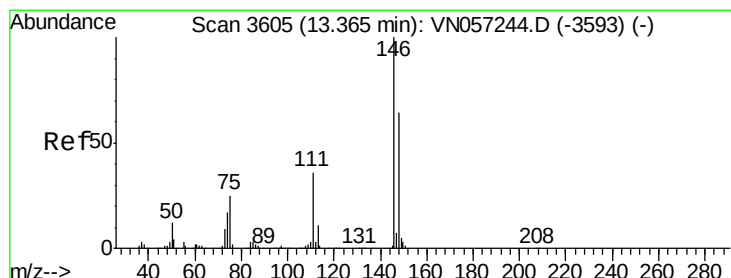
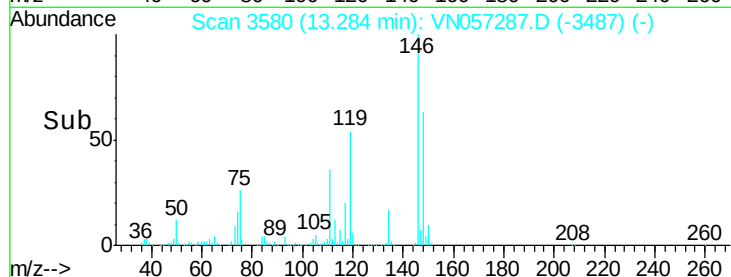
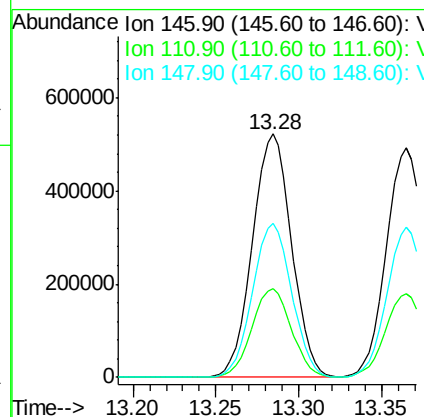
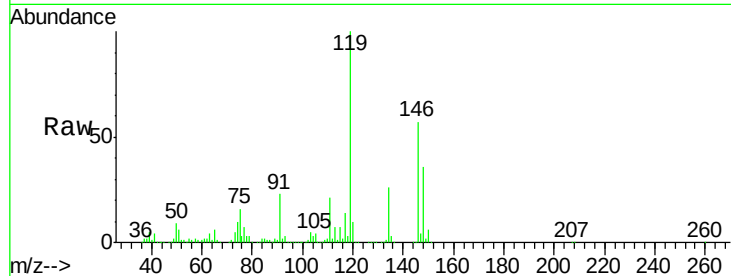
#87
 1,3-Dichlorobenzene
 Concen: 48.486 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.8	56.4
148	63.3	32.1	96.5

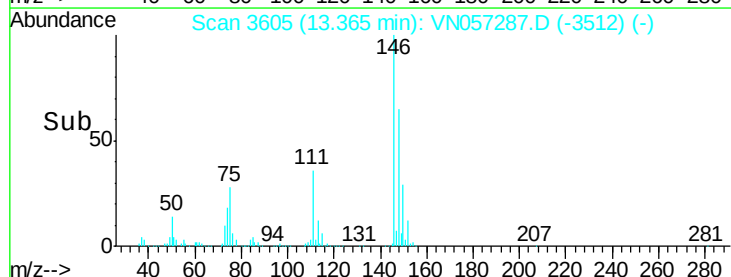
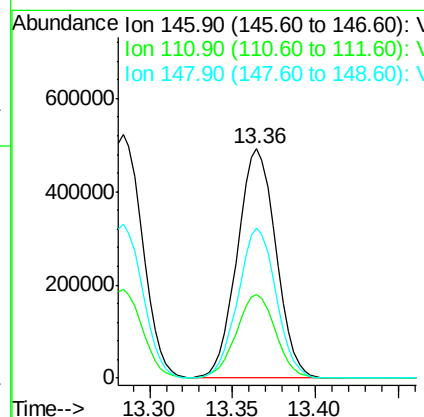
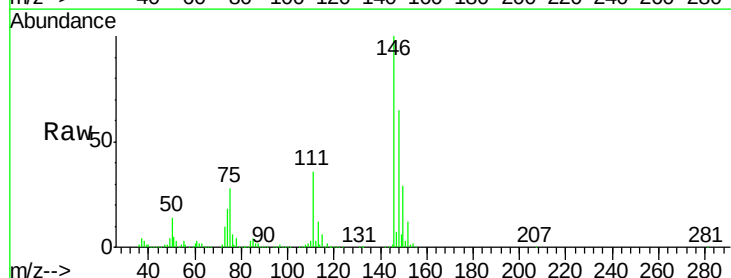
Manual Integrations
 APPROVED

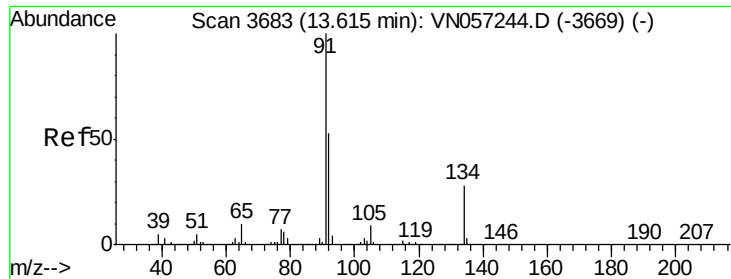
MMdadoda
 8/19/2019 1:52:52 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.512 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.3	54.8
148	64.4	32.0	96.0





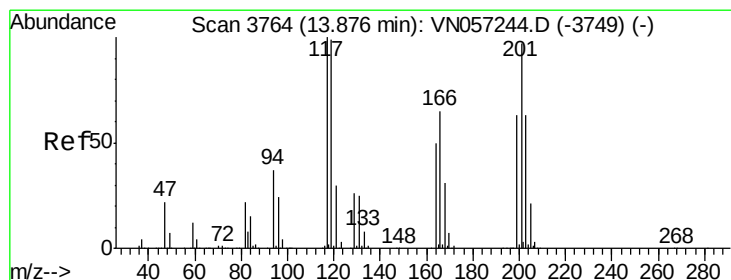
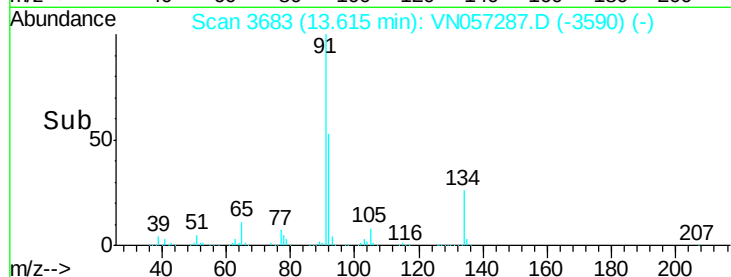
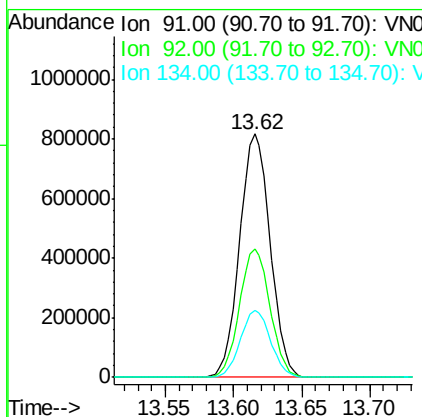
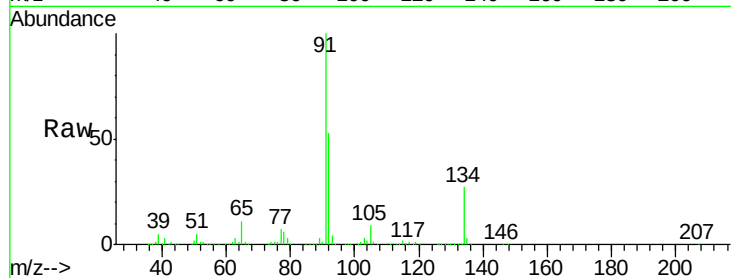
#89
n-Butylbenzene
Concen: 48.226 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1267174
Ion Ratio Lower Upper
91 100
92 52.6 26.3 78.9
134 27.2 14.1 42.3

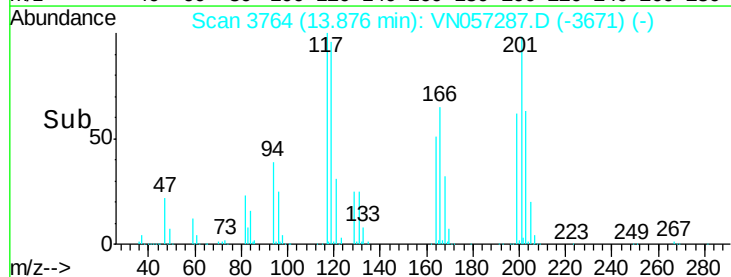
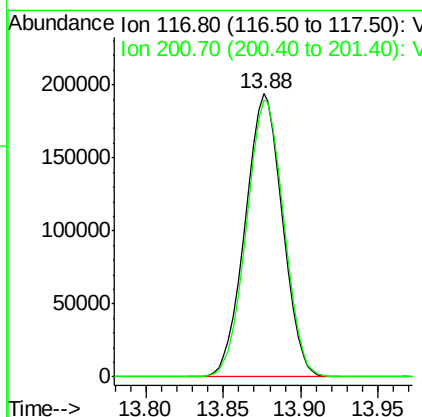
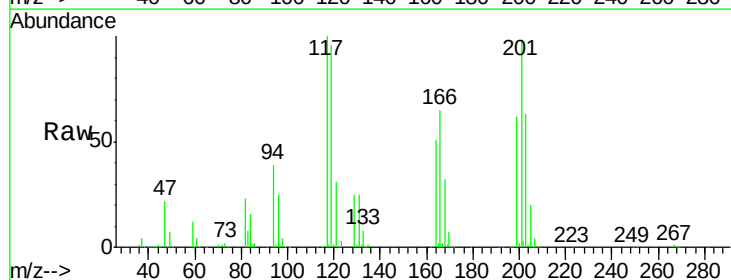
Manual Integrations
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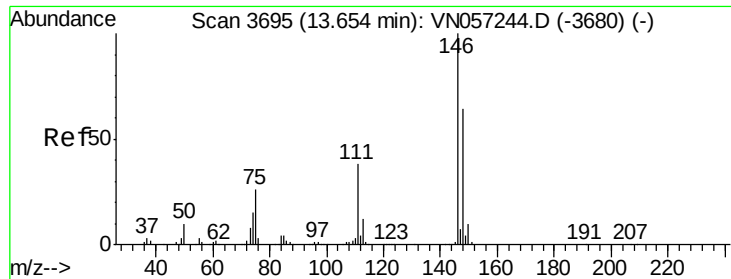
MMdadoda
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#90
Hexachloroethane
Concen: 52.203 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057287.D
Acq: 14 Aug 2019 14:57

Tgt Ion: 117 Resp: 325445
Ion Ratio Lower Upper
117 100
201 98.1 49.5 148.5





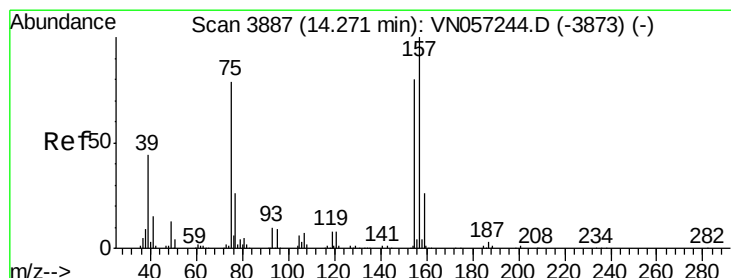
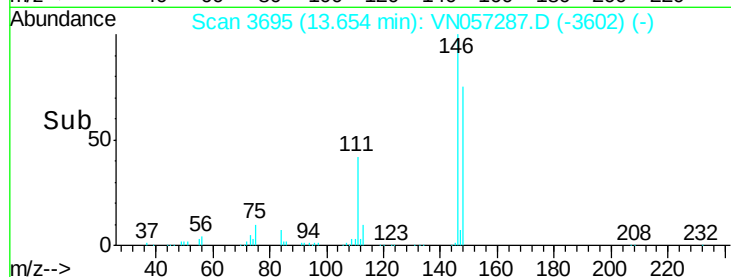
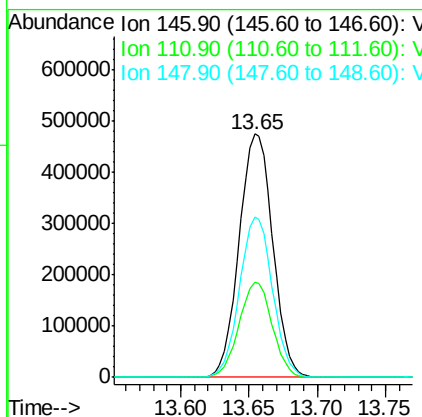
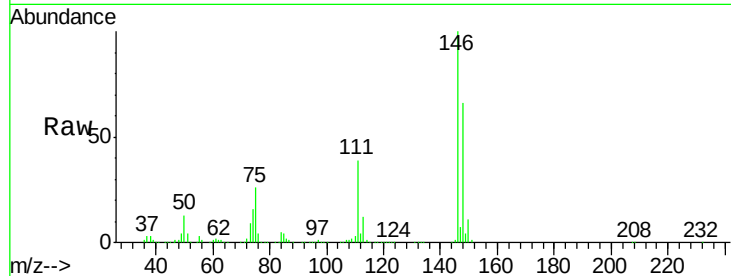
#91
 1,2-Dichlorobenzene
 Concen: 47.269 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	64.7	31.9	95.5

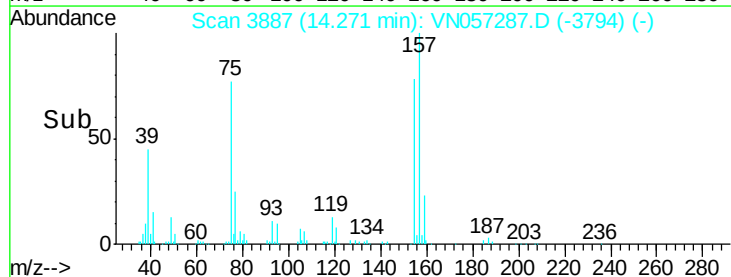
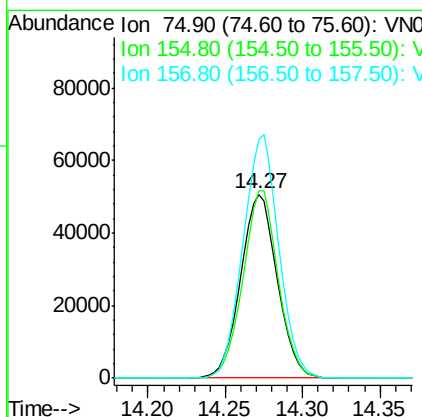
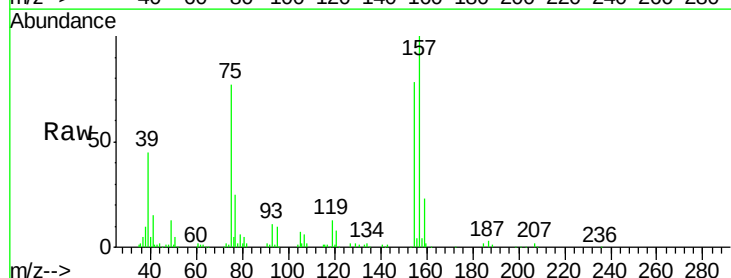
Manual Integrations
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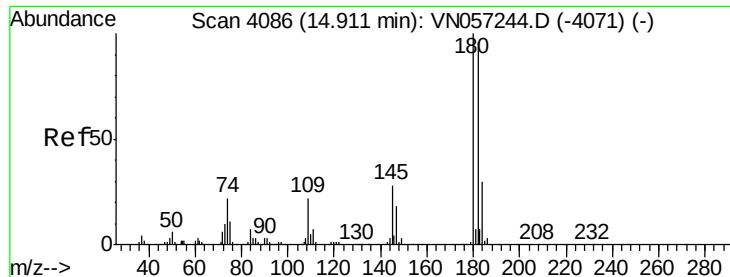
MMdadoda
 8/19/2019 1:52:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.002 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.5	50.3	151.0
157	129.7	65.3	195.9





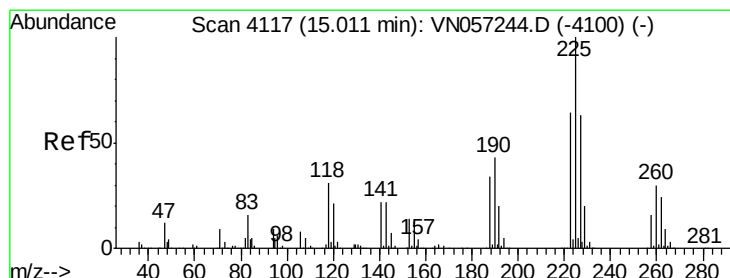
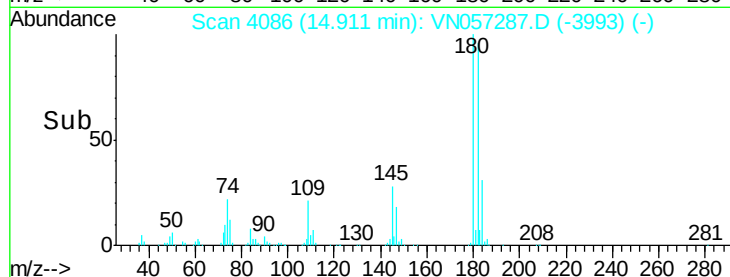
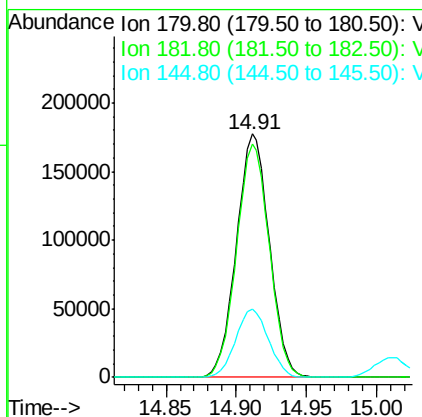
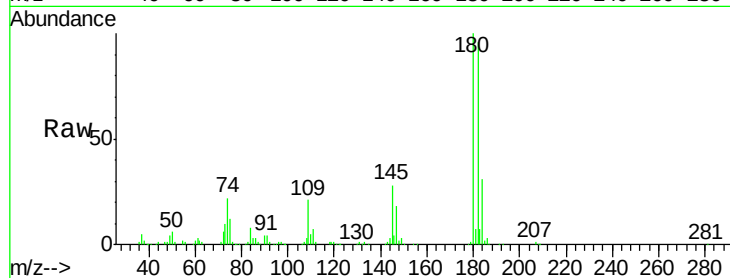
#93
 1,2,4-Trichlorobenzene
 Concen: 43.702 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	290120		
182	95.4	47.7	143.1	
145	28.1	14.2	42.6	

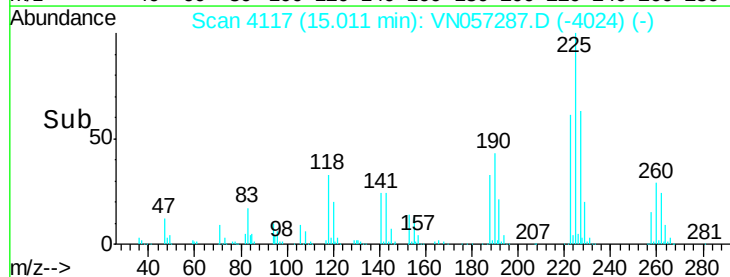
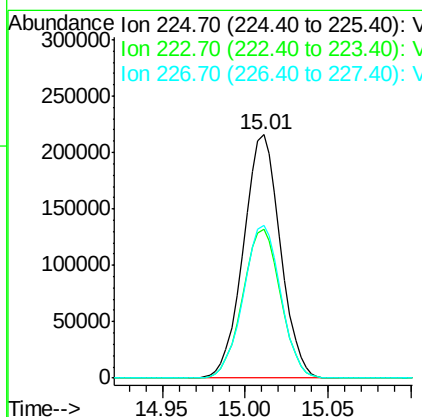
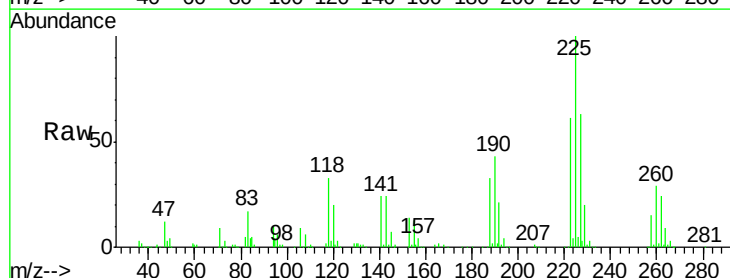
Manual Integrations
 APPROVED

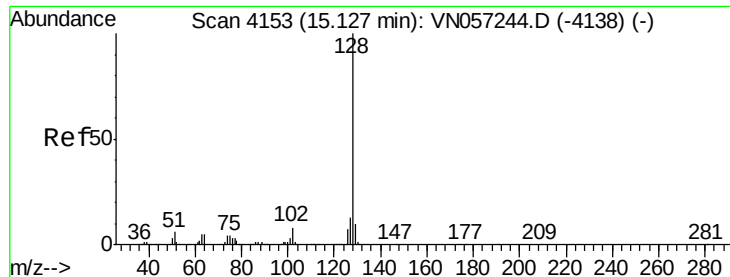
MMdadoda
 8/19/2019 1:52:52 AM



#94
 Hexachlorobutadiene
 Concen: 50.922 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057287.D
 Acq: 14 Aug 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	333571		
223	62.8	31.4	94.2	
227	63.7	31.4	94.3	





#95

Naphthalene

Concen: 50.935 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Instrument :

MSVOA_N

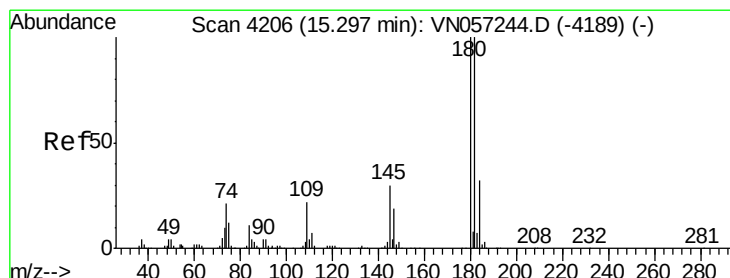
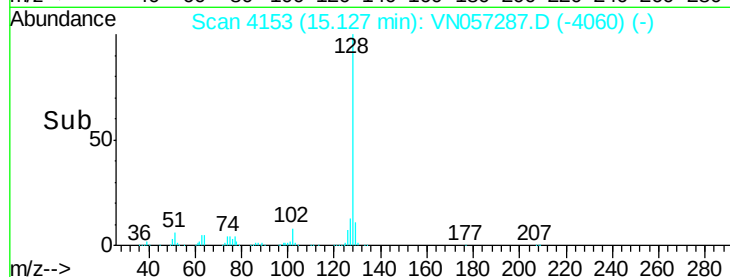
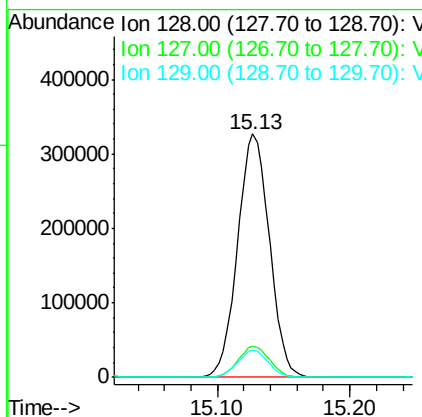
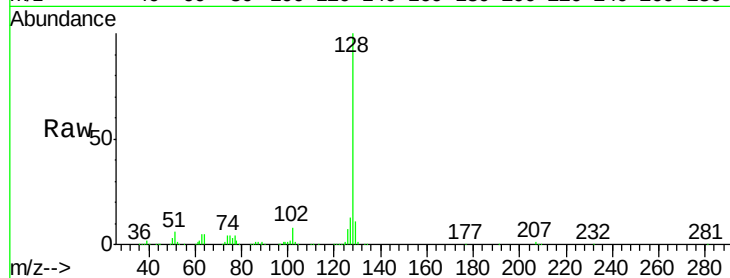
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	544706
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.4	15.6
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:52:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 42.718 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN057287.D

Acq: 14 Aug 2019 14:57

Tgt Ion:	180	Resp:	253261
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.9	146.7
145	29.8	15.0	45.1

