

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081919\
 Data File : VN057412.D
 Acq On : 19 Aug 2019 19:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 9:45:21 AM

Quant Time: Aug 20 09:00:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	818084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1181805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1092866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	469604	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	408067	45.88	ug/l	0.00
Spiked Amount			Recovery	=	91.76%	
35) Dibromofluoromethane	7.58	113	377488	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
50) Toluene-d8	10.08	98	1400665	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.40	95	486887	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	303611	43.129	ug/l	95
3) Chloromethane	2.05	50	336986	40.556	ug/l	99
4) Vinyl Chloride	2.18	62	327827	41.937	ug/l	99
5) Bromomethane	2.53	94	247120m	44.348	ug/l	
6) Chloroethane	2.69	64	231303	43.016	ug/l	96
7) Trichlorofluoromethane	3.01	101	556425	45.379	ug/l	97
8) Diethyl Ether	3.40	74	204570	44.327	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	333124	46.241	ug/l	99
10) Methyl Iodide	3.95	142	560149	48.645	ug/l	99
11) Tert butyl alcohol	4.76	59	261900	207.144	ug/l	99
12) 1,1-Dichloroethene	3.73	96	324704	45.237	ug/l	98
13) Acrolein	3.60	56	100231	130.588	ug/l	99
14) Allyl chloride	4.31	41	487943	42.409	ug/l	97
15) Acrylonitrile	4.97	53	756375	220.354	ug/l	99
16) Acetone	3.80	43	575101	186.411	ug/l	98
17) Carbon Disulfide	4.05	76	817598	42.280	ug/l	98
18) Methyl Acetate	4.31	43	364634	43.940	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	1039449	46.152	ug/l	99
20) Methylene Chloride	4.54	84	379333	43.945	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	349453	45.272	ug/l	93
22) Diisopropyl ether	5.93	45	1007229	44.315	ug/l	99
23) Vinyl Acetate	5.88	43	4001124	218.732	ug/l	98
24) 1,1-Dichloroethane	5.83	63	625783	44.751	ug/l	99
25) 2-Butanone	6.82	43	905012	202.573	ug/l	96
26) 2,2-Dichloropropane	6.81	77	501733	44.397	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	419598	45.917	ug/l	98
28) Bromochloromethane	7.18	49	286458	46.106	ug/l #	93
29) Tetrahydrofuran	7.19	42	581904	205.815	ug/l	97
30) Chloroform	7.36	83	659697	45.018	ug/l	100
31) Cyclohexane	7.64	56	504171	41.605	ug/l	96
32) 1,1,1-Trichloroethane	7.56	97	586201	47.560	ug/l	98
36) 1,1-Dichloropropene	7.78	75	472848	45.315	ug/l	99
37) Ethyl Acetate	6.91	43	378359	44.271	ug/l	98
38) Carbon Tetrachloride	7.76	117	531973	49.068	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	545236	44.750	ug/l	99
40) Benzene	8.03	78	1475141	46.220	ug/l	99
41) Methacrylonitrile	7.17	41	217708m	56.566	ug/l	
42) 1,2-Dichloroethane	8.11	62	496699	47.022	ug/l	100
43) Isopropyl Acetate	8.15	43	784537	50.201	ug/l	97
44) Trichloroethene	8.83	130	433584	48.322	ug/l	99
45) 1,2-Dichloropropane	9.11	63	381569	46.383	ug/l	99
46) Dibromomethane	9.20	93	255942	46.636	ug/l	95
47) Bromodichloromethane	9.40	83	528907	48.641	ug/l	99
48) Methyl methacrylate	9.19	41	311353	44.241	ug/l	95
49) 1,4-Dioxane	9.19	88	134124	906.241	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1924344	218.258	ug/l	99
52) Toluene	10.15	92	951347	47.891	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	563563	47.914	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	619927	47.797	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	384708	49.250	ug/l	96
56) Ethyl methacrylate	10.42	69	544780	47.790	ug/l	98
57) 1,3-Dichloropropane	10.70	76	609942	46.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	589004	179.361	ug/l	98
59) 2-Hexanone	10.75	43	1367035	215.667	ug/l	98
60) Dibromochloromethane	10.90	129	446181	50.971	ug/l	99
61) 1,2-Dibromoethane	11.00	107	396971	47.707	ug/l	99
64) Tetrachloroethene	10.63	164	451258	47.764	ug/l	98
65) Chlorobenzene	11.43	112	1069807	47.996	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	422755	49.524	ug/l	100
67) Ethyl Benzene	11.51	91	1837742	47.126	ug/l	99
68) m/p-Xylenes	11.62	106	1400701	97.489	ug/l	99
69) o-Xylene	11.95	106	691073	48.987	ug/l	98
70) Styrene	11.96	104	1137395	50.579	ug/l	99
71) Bromoform	12.13	173	344527	51.159	ug/l #	99
73) Isopropylbenzene	12.25	105	1840230	49.226	ug/l	99
74) N-amyl acetate	12.07	43	530883	38.958	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	502580	47.965	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	416401m	44.837	ug/l	
77) Bromobenzene	12.53	156	497051	49.353	ug/l	95
78) n-propylbenzene	12.59	91	1974380	43.660	ug/l	100
79) 2-Chlorotoluene	12.67	91	1197642	48.365	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1557863	49.200	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	162887	42.295	ug/l	97
82) 4-Chlorotoluene	12.77	91	1168101	43.590	ug/l	98
83) tert-Butylbenzene	12.99	119	1380925	49.696	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1492544	44.127	ug/l	98
85) sec-Butylbenzene	13.17	105	1720668	48.385	ug/l	99
86) p-Isopropyltoluene	13.29	119	1573924	45.450	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	759956	46.188	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	707385	45.291	ug/l	100
89) n-Butylbenzene	13.62	91	1177622	47.701	ug/l	99
90) Hexachloroethane	13.88	117	290080	49.215	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	715226	46.631	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65846	39.320	ug/l	94

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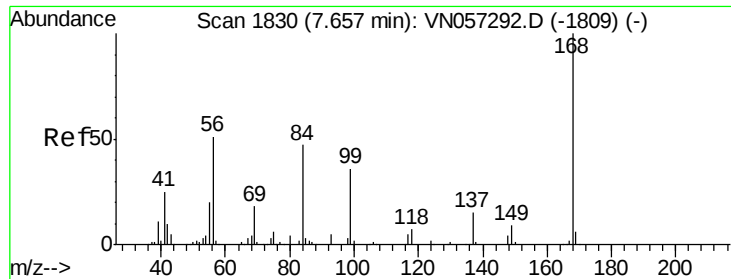
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	234276	39.459	ug/l	98
94) Hexachlorobutadiene	15.01	225	312083	53.375	ug/l	99
95) Naphthalene	15.13	128	471919	50.245	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	215090	50.488	ug/l	99

(#) = 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: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 818084

Ion Ratio Lower Upper

168 100

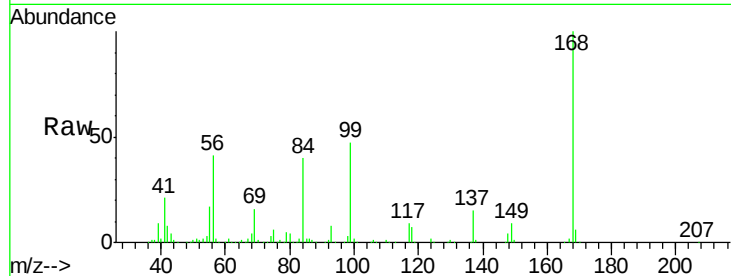
99 46.9 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

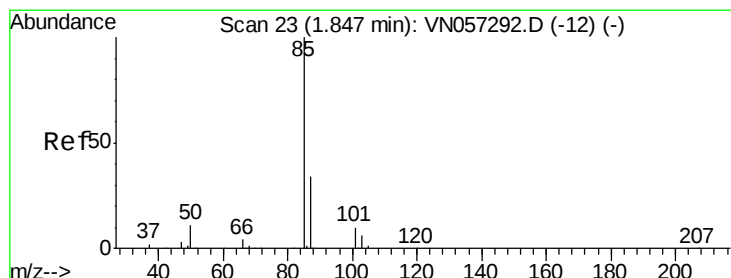
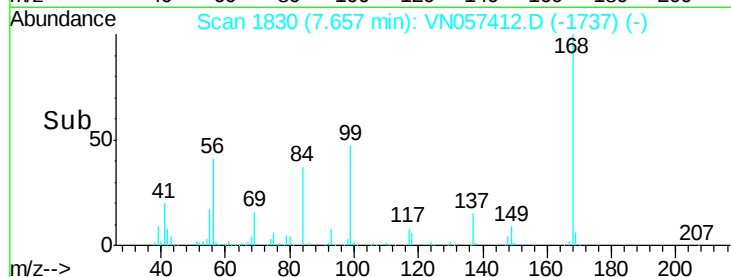
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.129 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057412.D

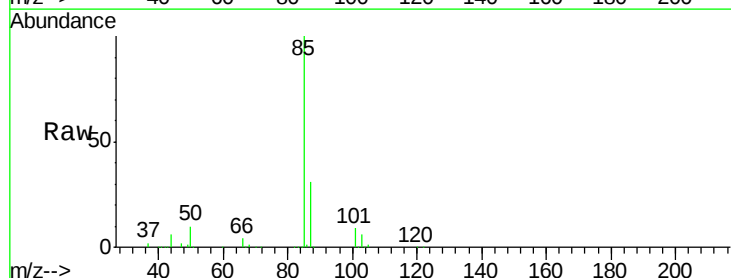
Acq: 19 Aug 2019 19:59

Tgt Ion: 85 Resp: 303611

Ion Ratio Lower Upper

85 100

87 30.9 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

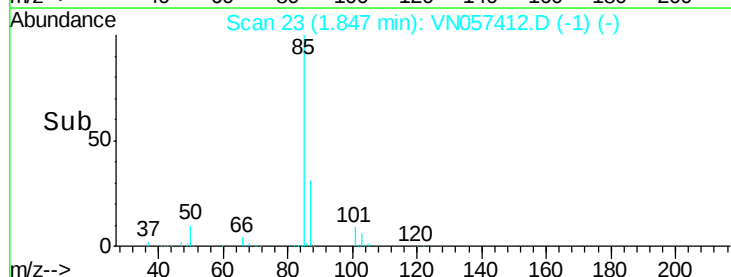
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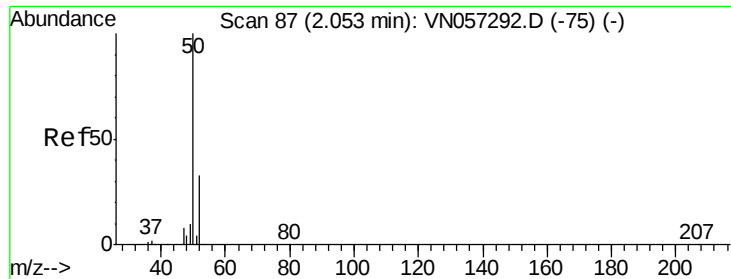
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50000

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Time-->





#3

Chloromethane

Concen: 40.556 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 336986

Ion Ratio Lower Upper

50 100

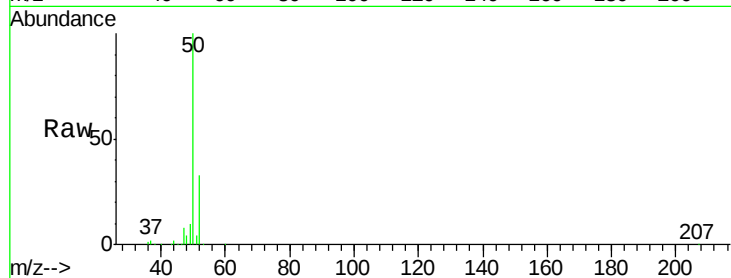
52 32.9 26.8 40.2

Manual Integrations

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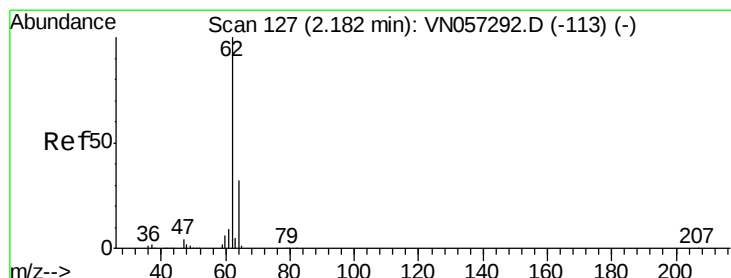
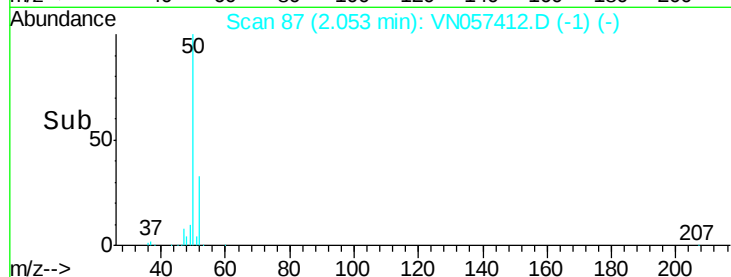
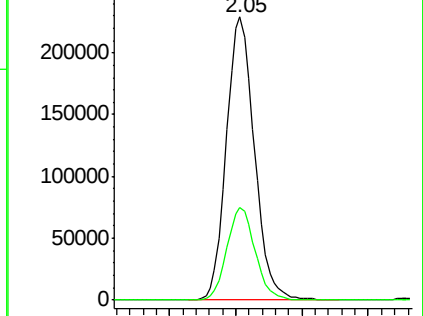
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 41.937 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057412.D

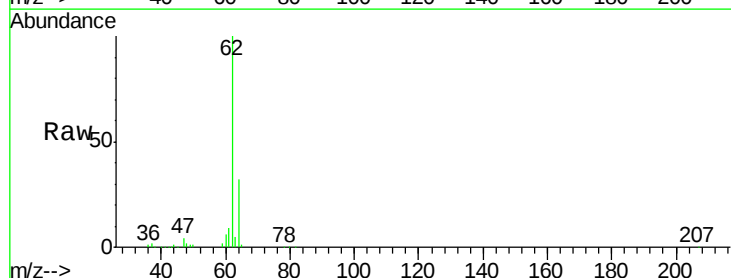
Acq: 19 Aug 2019 19:59

Tgt Ion: 62 Resp: 327827

Ion Ratio Lower Upper

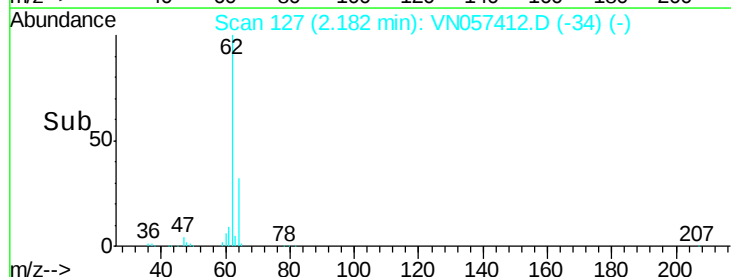
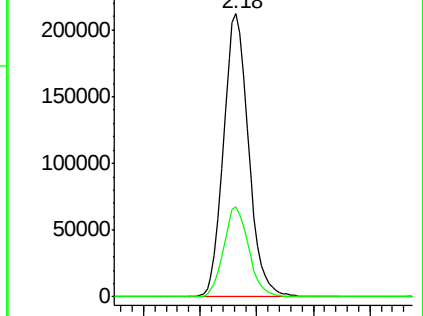
62 100

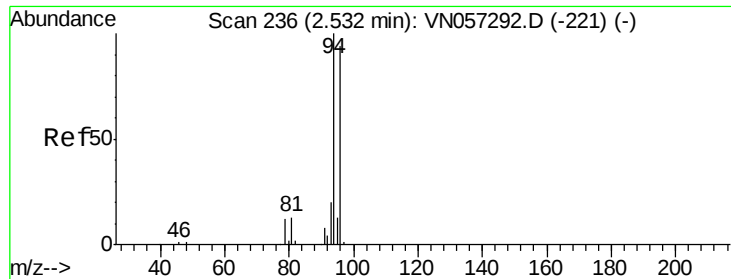
64 31.6 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 44.348 ug/l m

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 247120

Ion Ratio Lower Upper

94 100

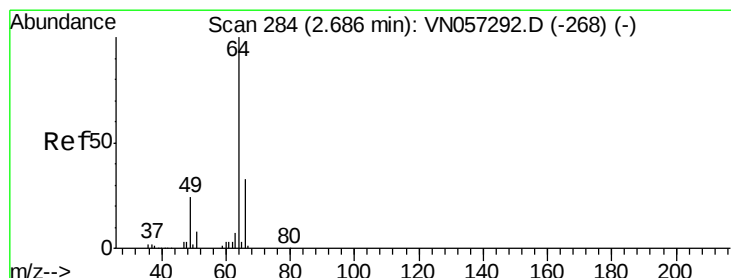
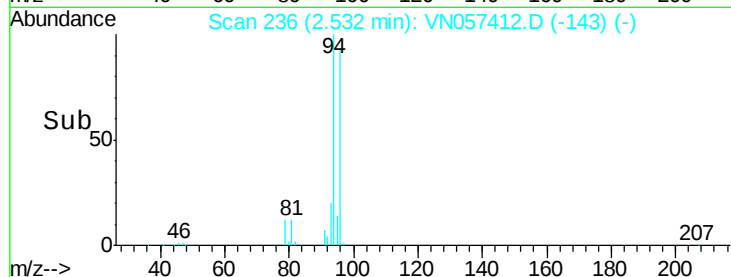
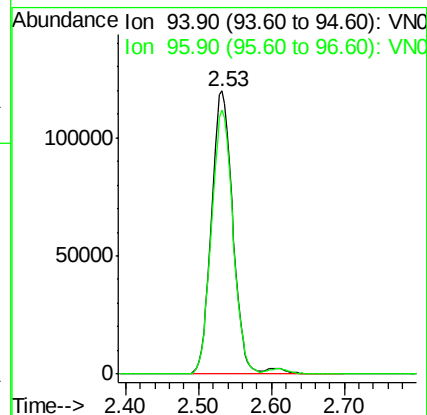
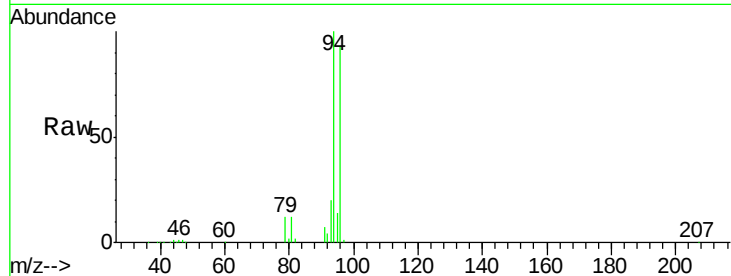
96 93.1 75.0 112.6

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#6

Chloroethane

Concen: 43.016 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN057412.D

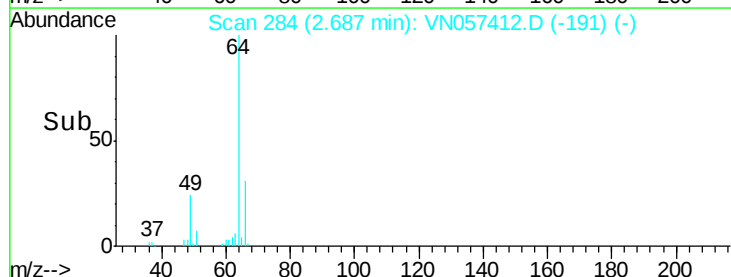
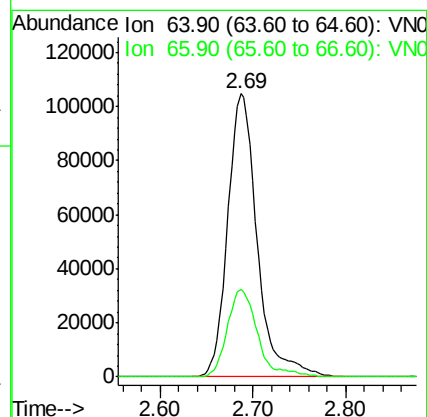
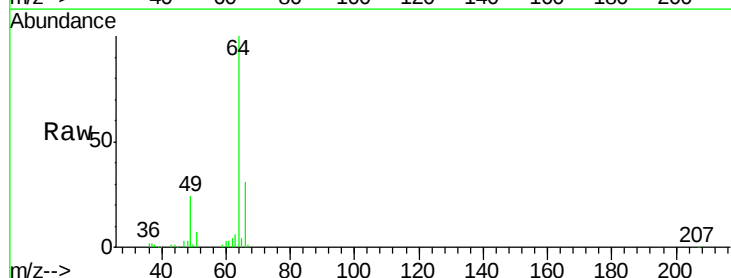
Acq: 19 Aug 2019 19:59

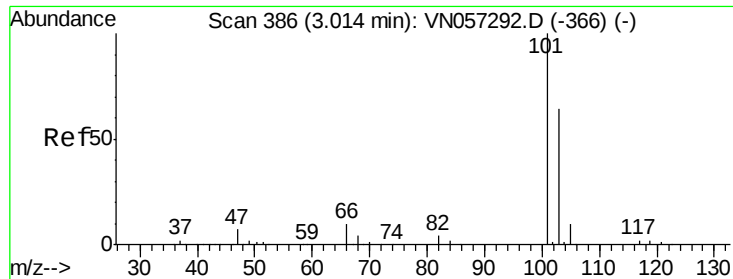
Tgt Ion: 64 Resp: 231303

Ion Ratio Lower Upper

64 100

66 31.0 26.4 39.6





#7

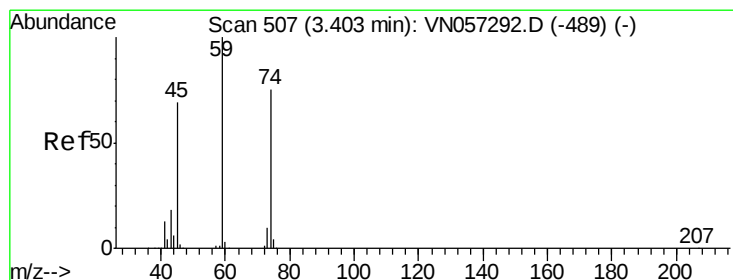
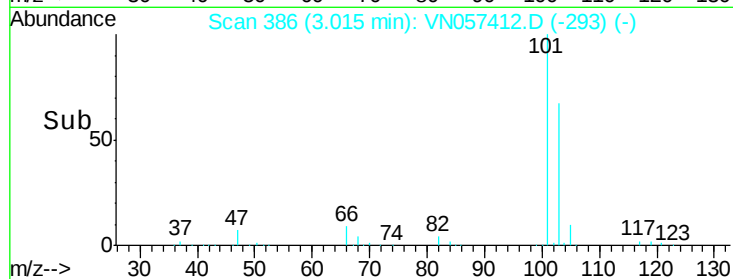
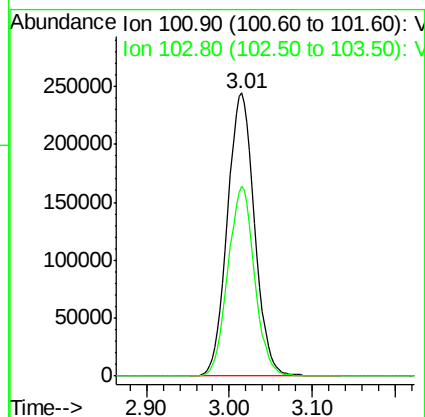
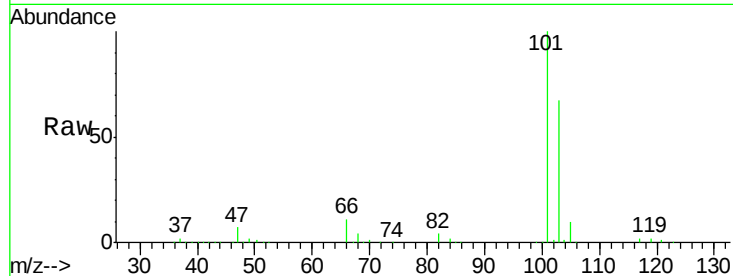
Trichlorofluoromethane
Concen: 45.379 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	556425		
103	67.1	51.5	77.3	

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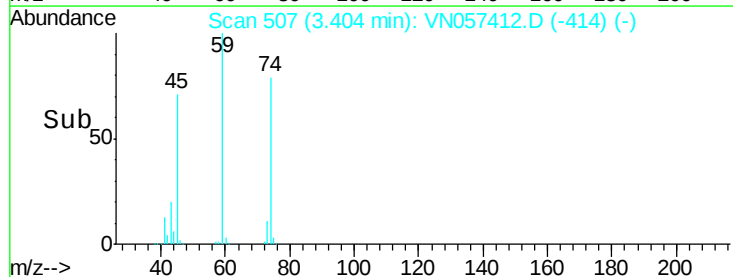
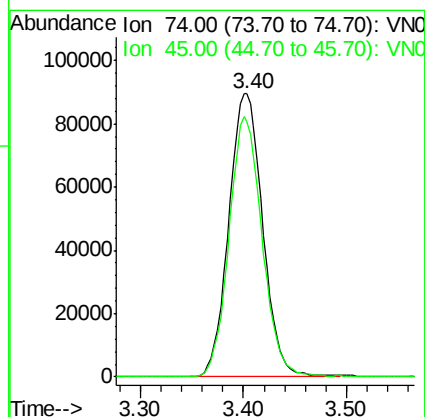
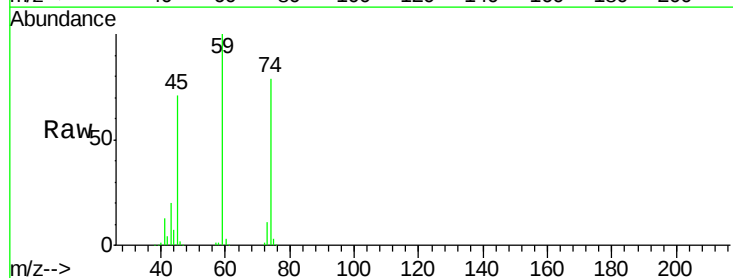
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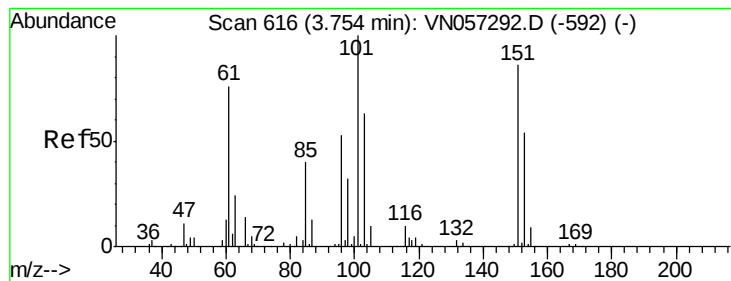


#8

Diethyl Ether
Concen: 44.327 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	204570		
45	89.1	45.9	137.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.241 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

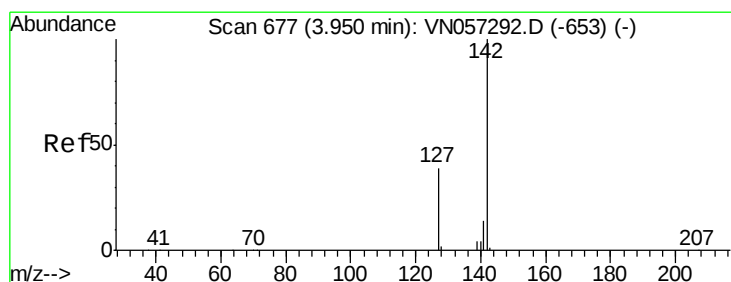
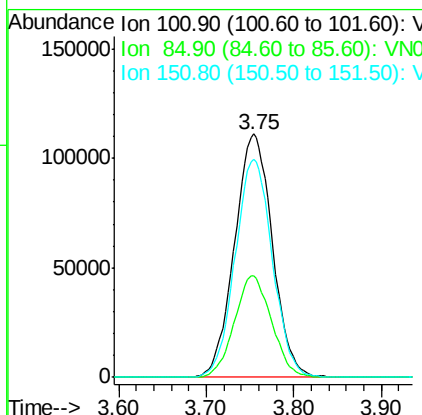
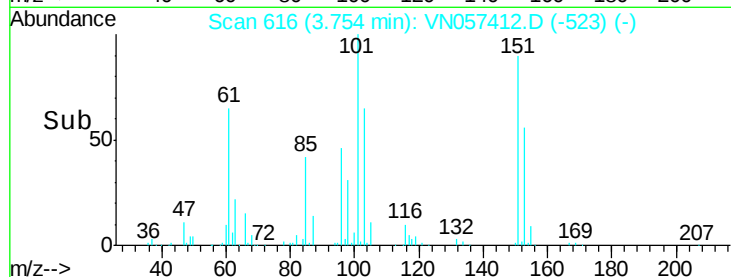
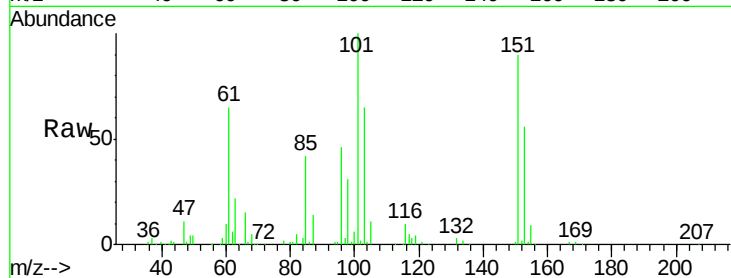
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	333124		
85	40.9	32.7	49.1	
151	88.3	69.1	103.7	

Manual Integrations
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8/21/2019 9:45:21 AM



#10

Methyl Iodide

Concen: 48.645 ug/l

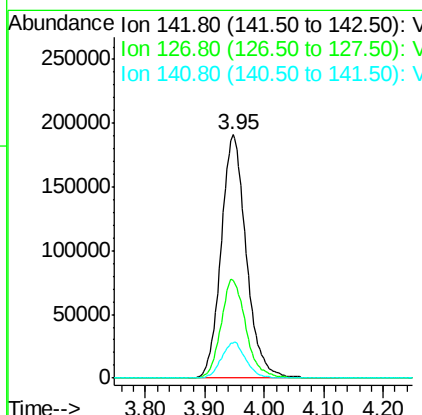
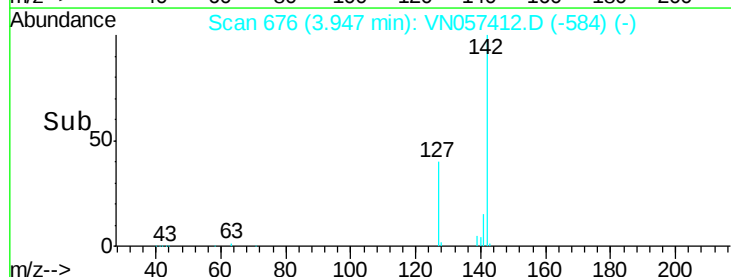
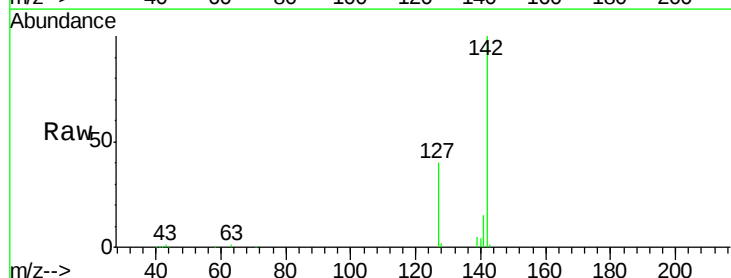
RT: 3.95 min Scan# 676

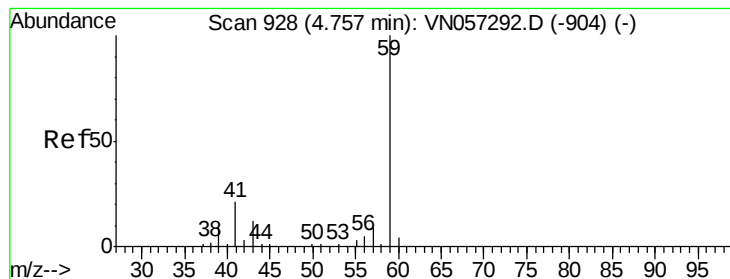
Delta R.T. -0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	560149		
127	40.0	31.6	47.4	
141	14.3	11.2	16.8	





#11

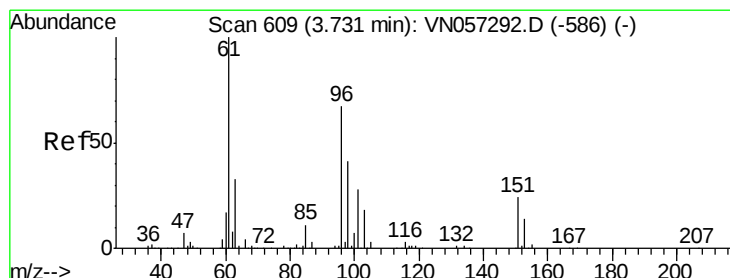
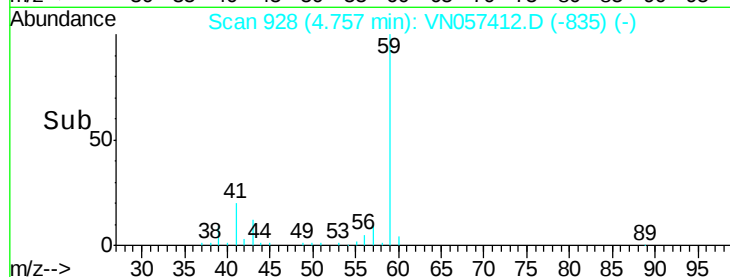
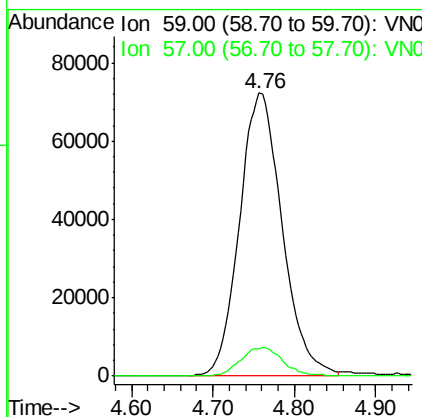
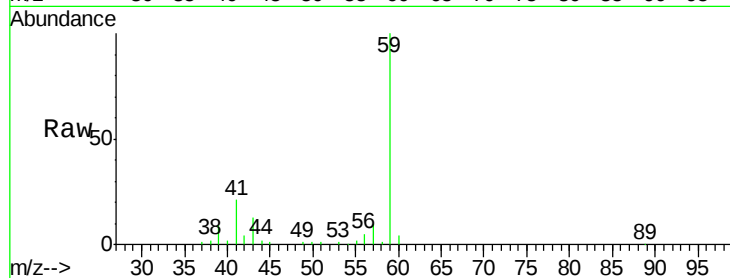
Tert butyl alcohol
 Concen: 207.144 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN057412.D
 Acq: 19 Aug 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

Manual Integrations
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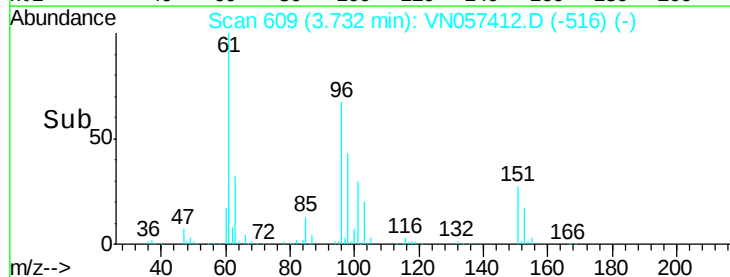
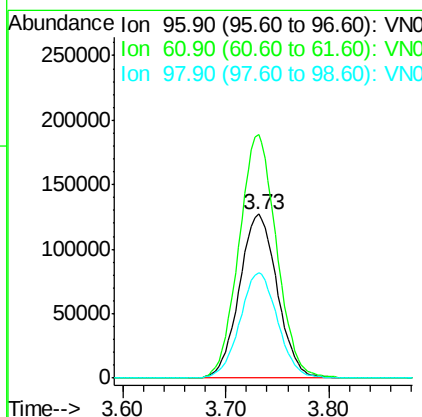
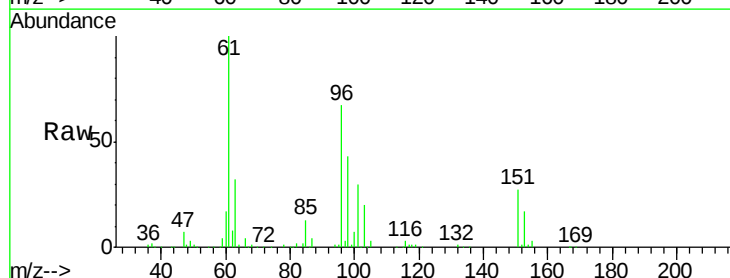
MMDadoda
 8/21/2019 9:45:21 AM

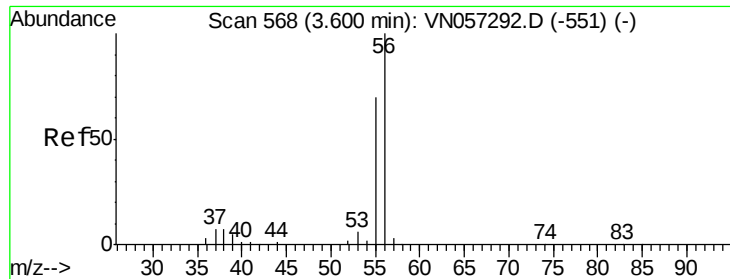


#12

1,1-Dichloroethene
 Concen: 45.237 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN057412.D
 Acq: 19 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.8	119.7	179.5
98	64.3	49.0	73.4





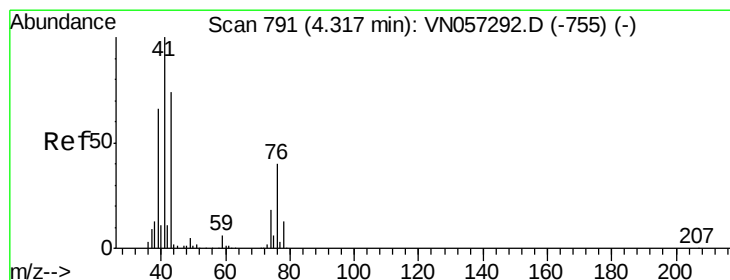
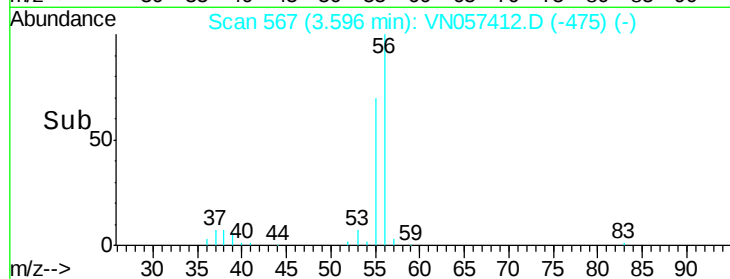
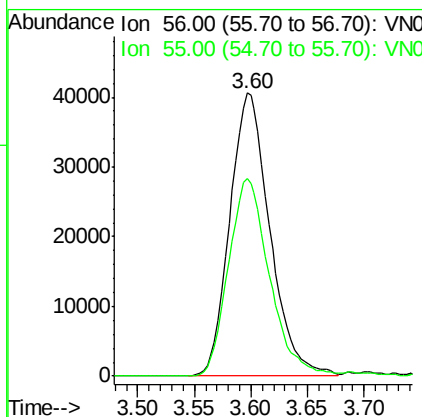
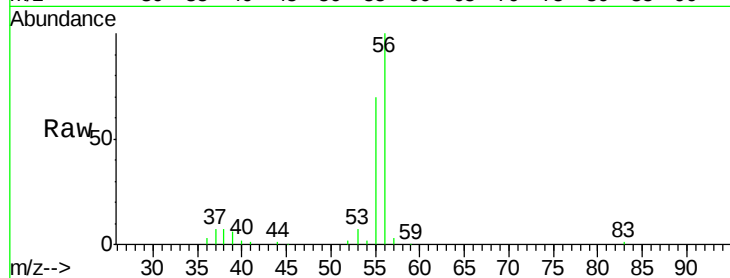
#13
Acrolein
Concen: 130.588 ug/l
RT: 3.60 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	55	Ratio	100	Resp	Lower	Upper
56	100						
55	71.3				56.6	84.8	

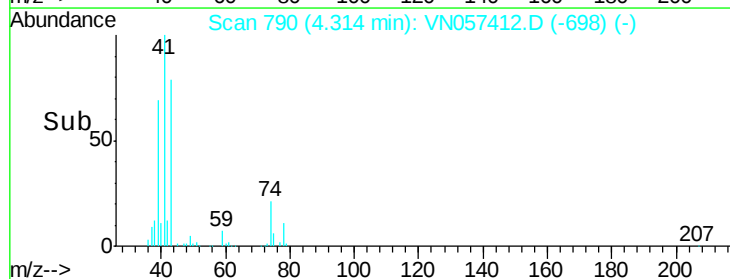
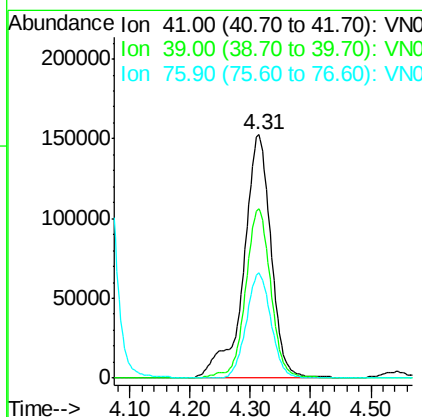
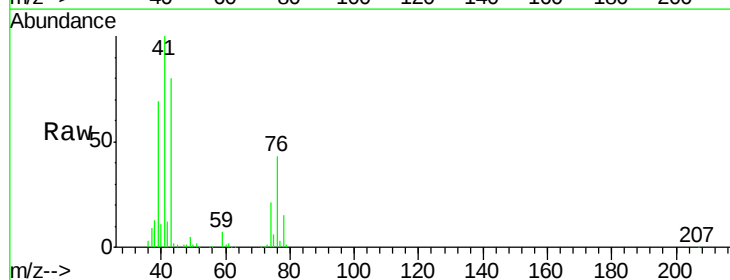
Manual Integrations
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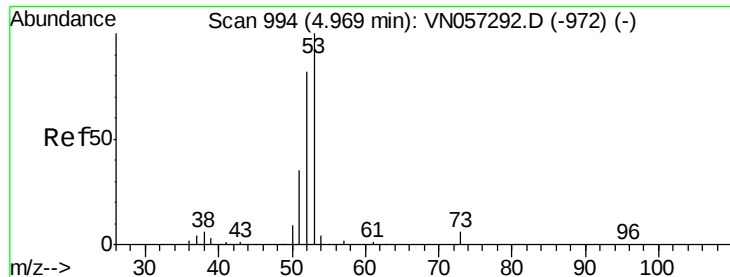
MMDadoda
8/21/2019 9:45:21 AM



#14
Allyl chloride
Concen: 42.409 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Tgt Ion	41	39	76	Ratio	100	Resp	Lower	Upper
41	100							
39	63.6				49.0	73.6		
76	38.2				29.0	43.4		





#15

Acrylonitrile

Concen: 220.354 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

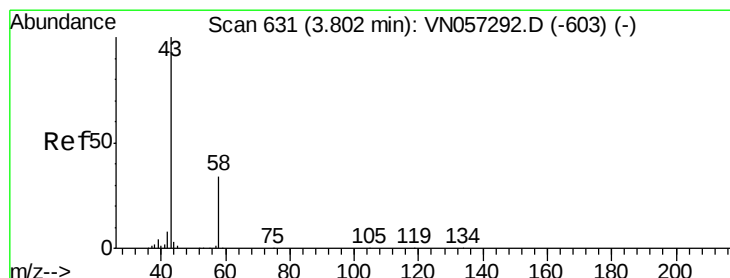
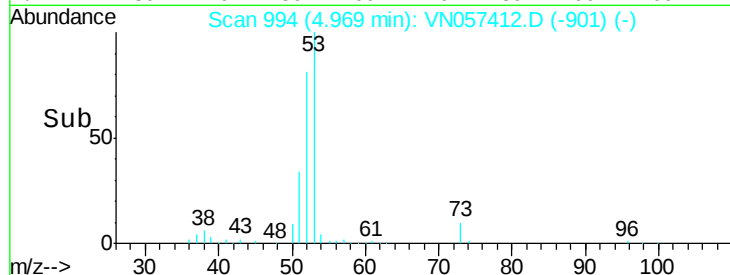
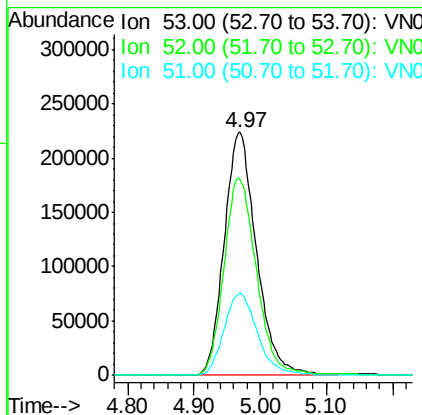
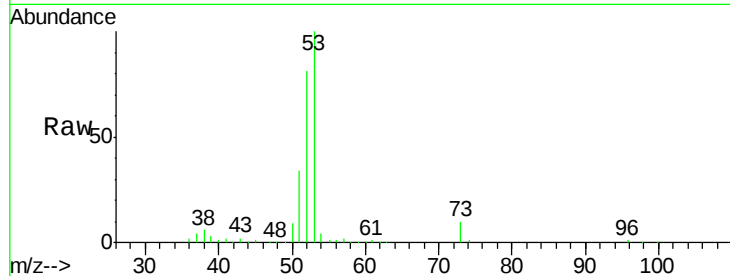
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	756375
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.2	99.2
51	35.2	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 186.411 ug/l

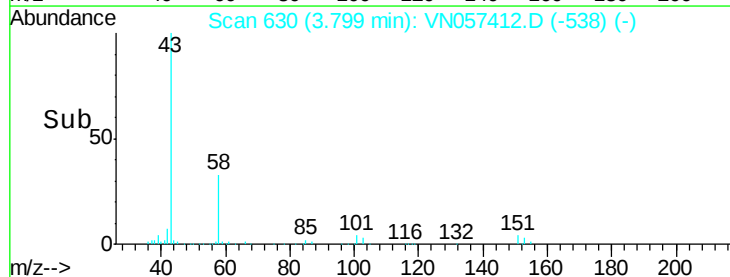
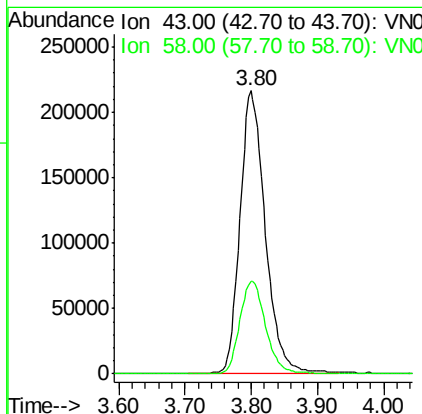
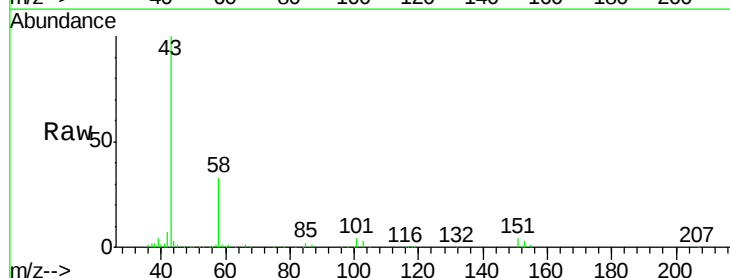
RT: 3.80 min Scan# 630

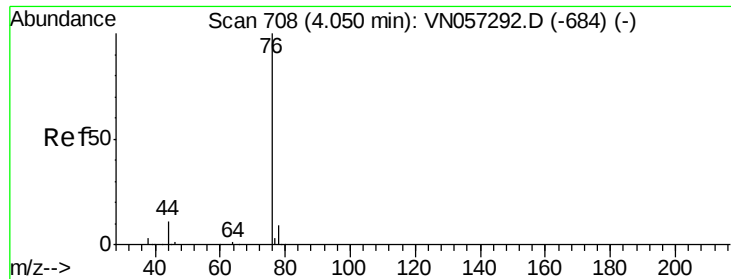
Delta R.T. -0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Tgt Ion:	43	Resp:	575101
Ion	Ratio	Lower	Upper
43	100		
58	32.7	27.0	40.6





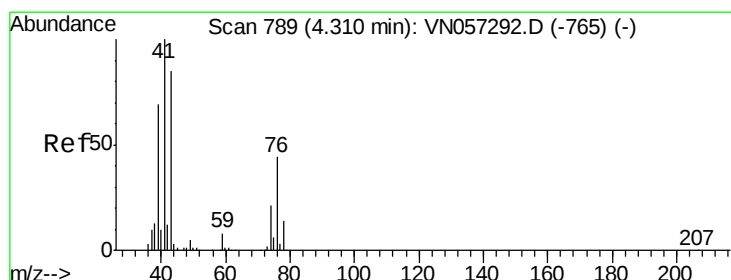
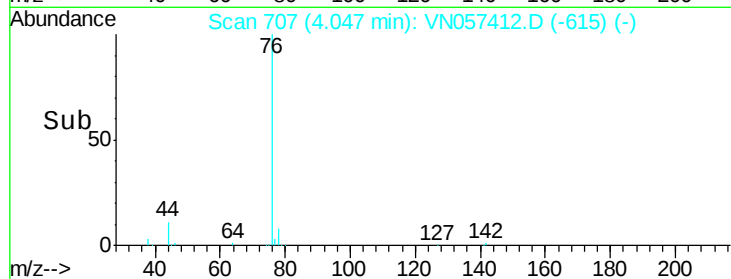
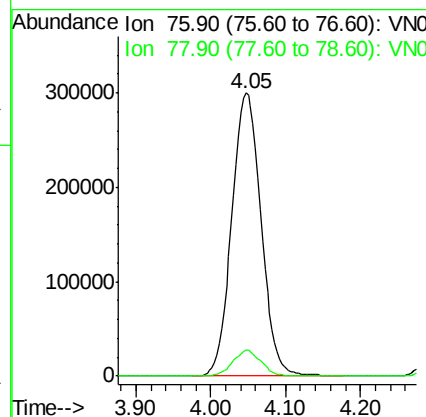
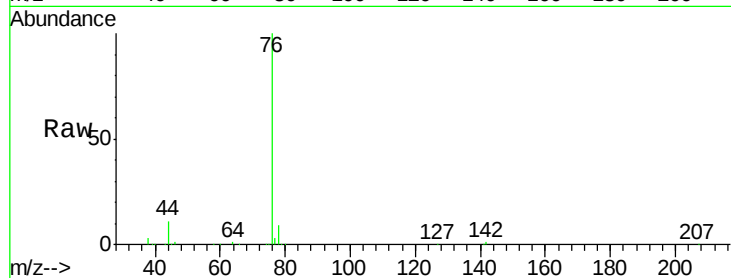
#17
Carbon Disulfide
Concen: 42.280 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

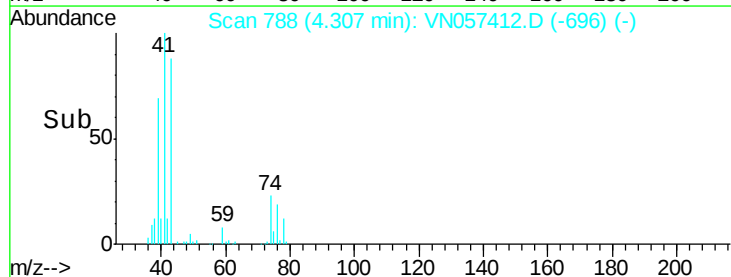
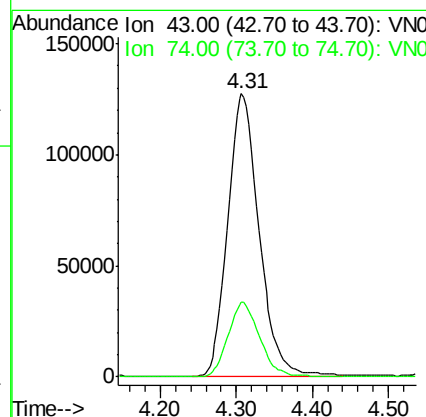
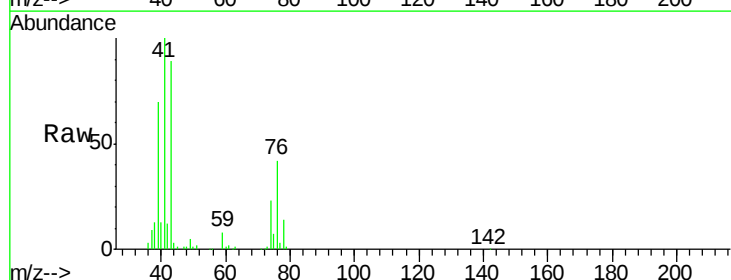
Manual Integrations
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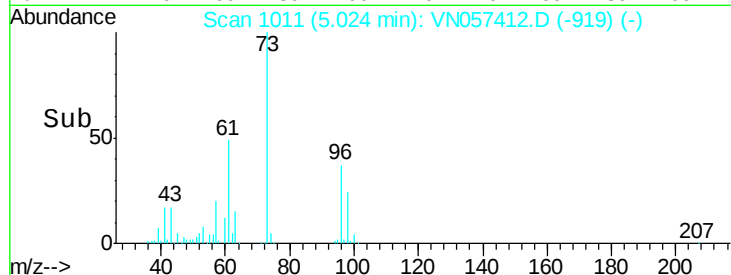
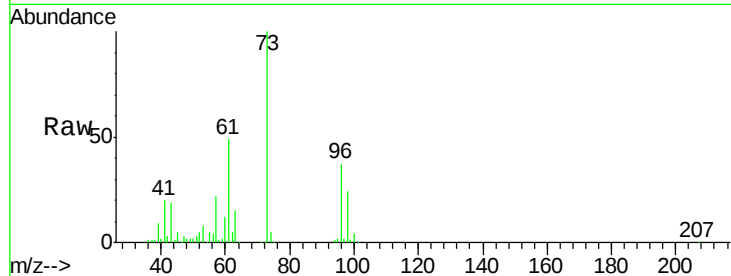
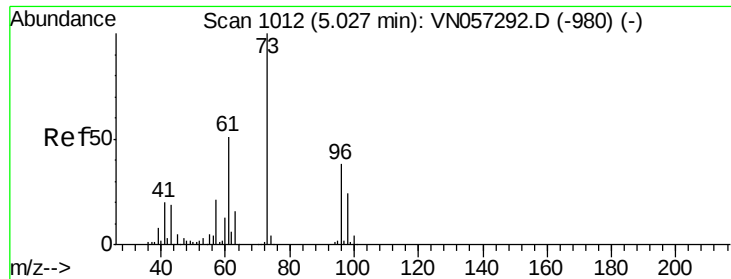
MMDadoda
8/21/2019 9:45:21 AM



#18
Methyl Acetate
Concen: 43.940 ug/l
RT: 4.31 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	20.2	30.2





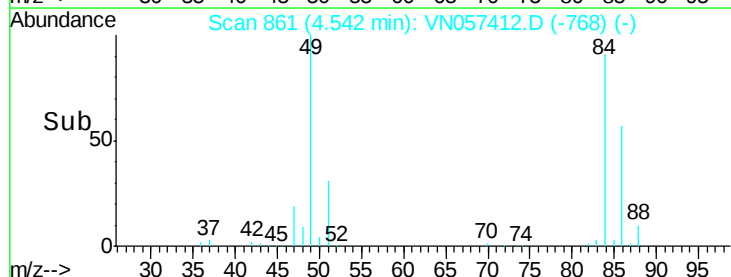
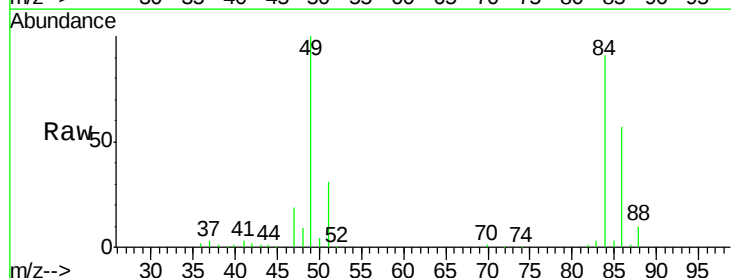
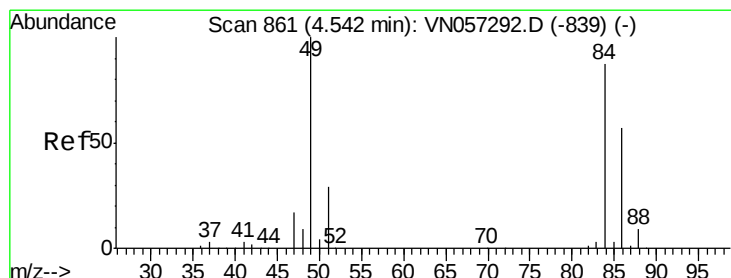
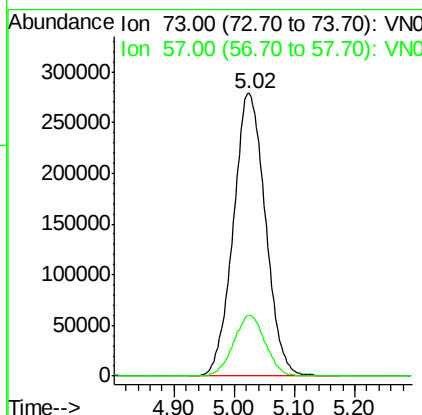
#19
Methvl tert-butvl Ether
Concen: 46.152 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Tot Ion: 73 Resp: 1039449
Ion Ratio Lower Upper
73 100
57 21.6 16.9 25.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

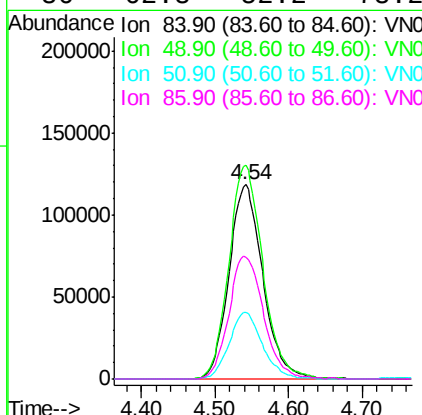
Manual Integrations
APPROVED

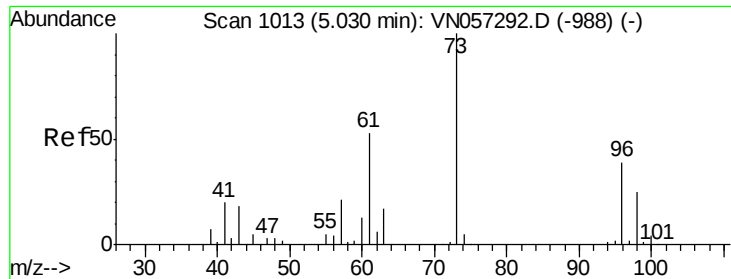
MMDadoda
8/21/2019 9:45:21 AM



#20
Methylene Chloride
Concen: 43.945 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Tgt Ion: 84 Resp: 379333
Ion Ratio Lower Upper
84 100
49 109.8 92.0 138.0
51 34.3 27.1 40.7
86 62.8 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 45.272 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 349453

Ion Ratio Lower Upper

96 100

61 125.4 109.5 164.3

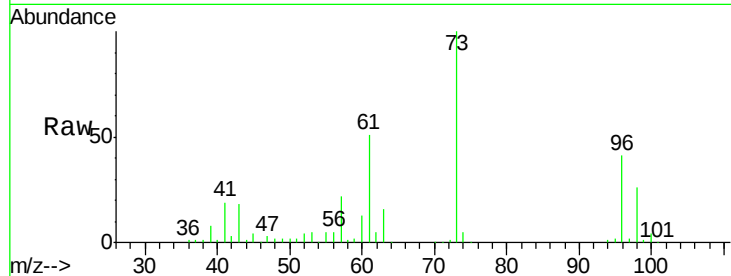
98 62.5 51.0 76.6

Manual Integrations

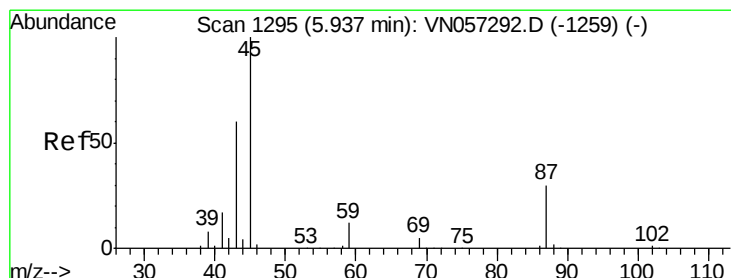
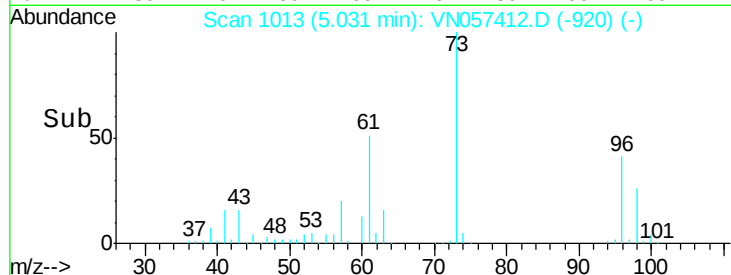
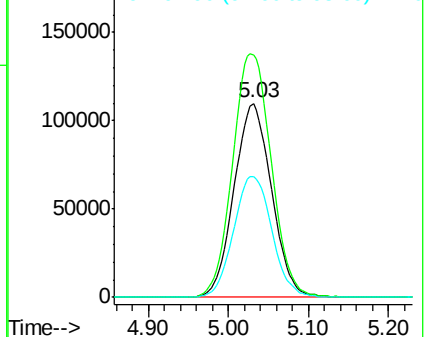
APPROVED

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



#22

Diisopropyl ether

Concen: 44.315 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Tgt Ion: 45 Resp: 1007229

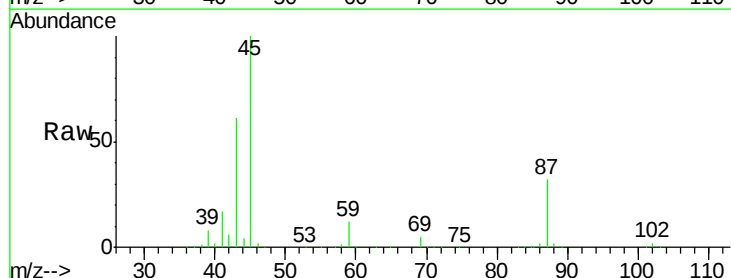
Ion Ratio Lower Upper

45 100

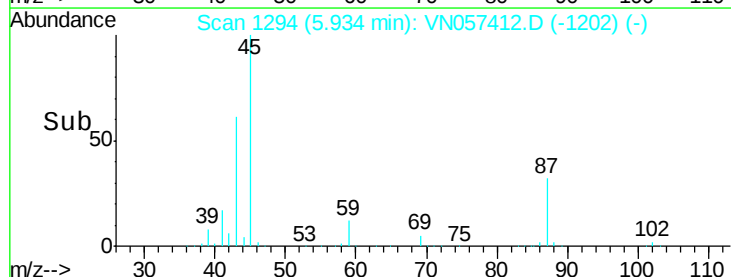
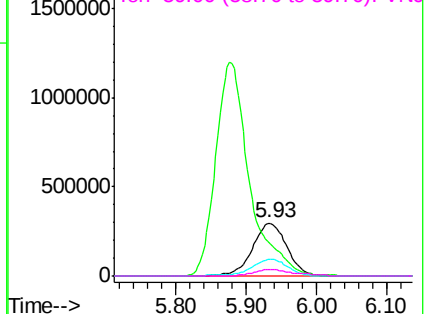
43 59.4 48.3 72.5

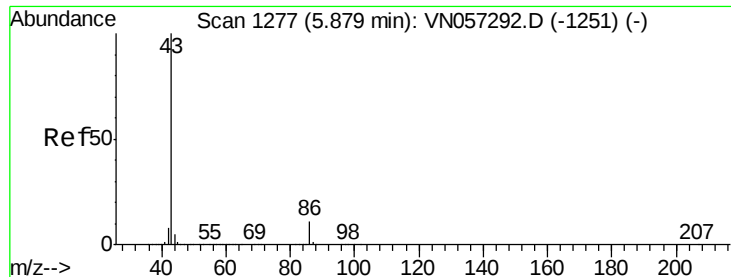
87 31.7 24.6 36.8

59 11.7 9.8 14.8



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 218.732 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 4001124

Ion Ratio Lower Upper

43 100

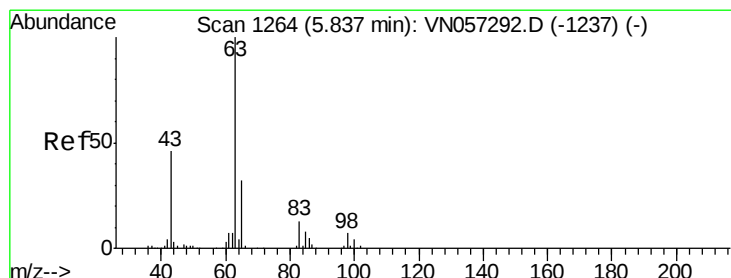
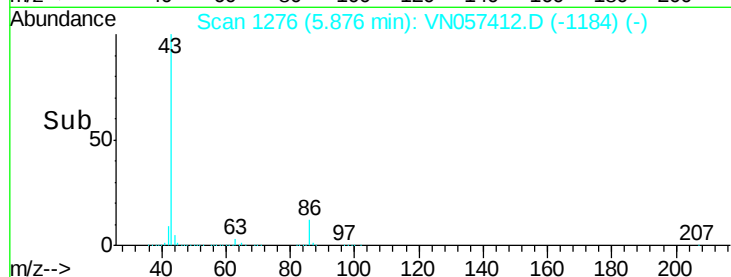
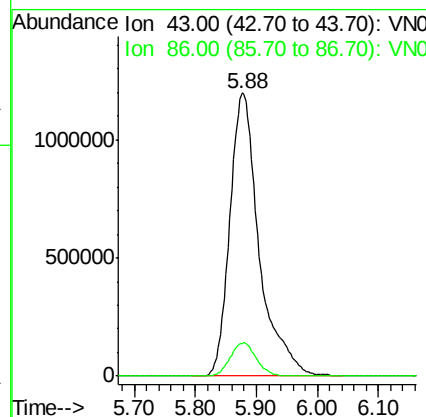
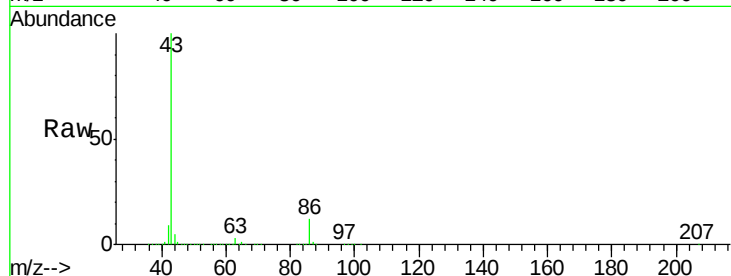
86 11.7 8.7 13.1

Manual Integrations

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MMDadoda

8/21/2019 9:45:21 AM



#24

1,1-Dichloroethane

Concen: 44.751 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

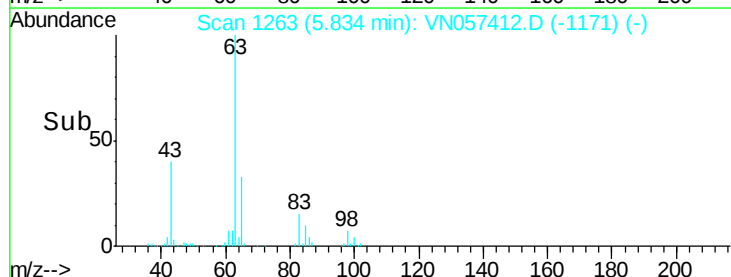
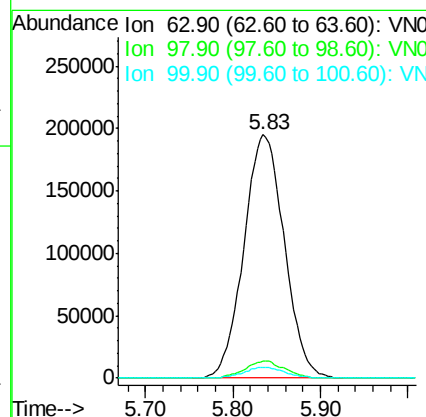
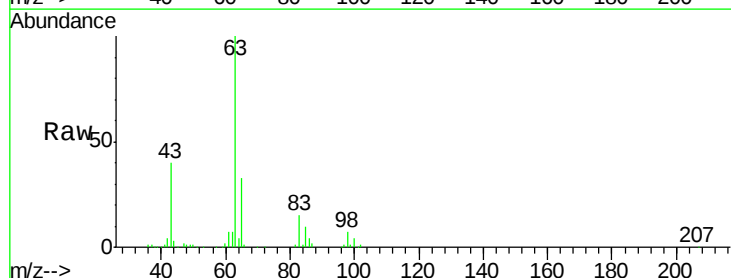
Tgt Ion: 63 Resp: 625783

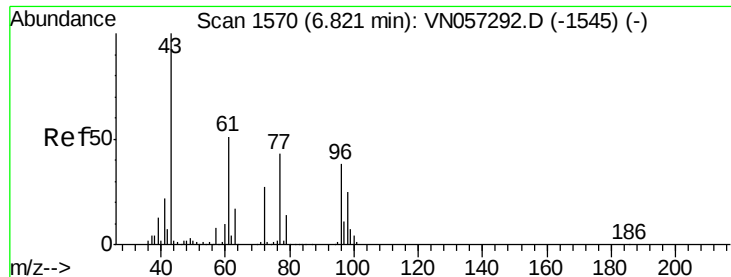
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.9

100 4.4 2.1 6.5





#25

2-Butanone

Concen: 202.573 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 905012

Ion Ratio Lower Upper

43 100

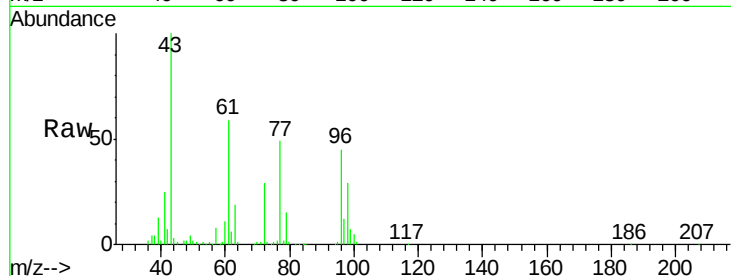
72 29.0 21.5 32.3

Manual Integrations

APPROVED

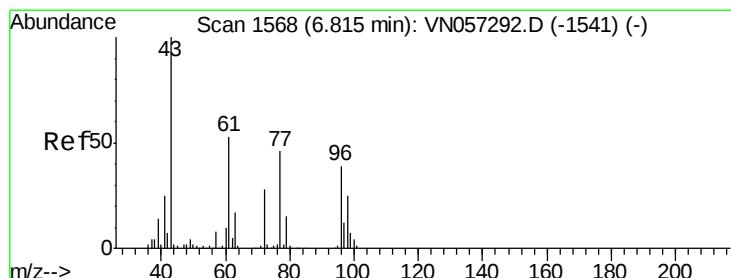
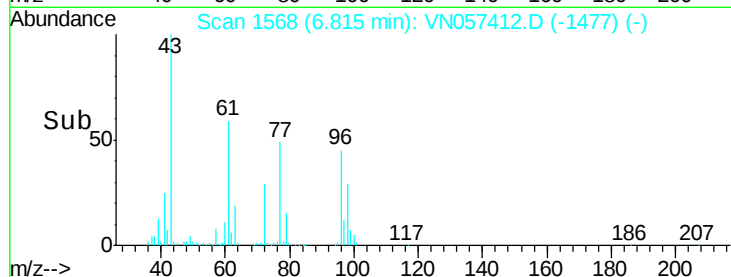
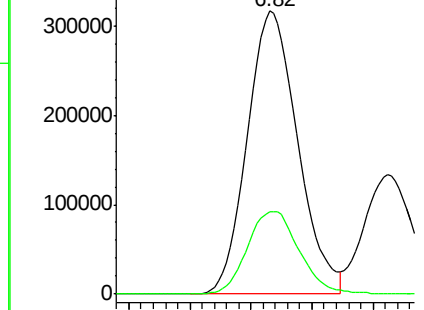
MMDadoda

8/21/2019 9:45:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 44.397 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057412.D

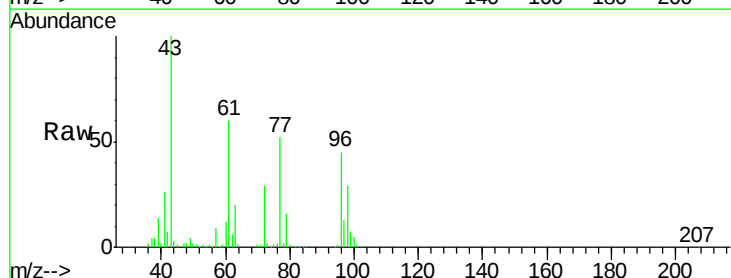
Acq: 19 Aug 2019 19:59

Tgt Ion: 77 Resp: 501733

Ion Ratio Lower Upper

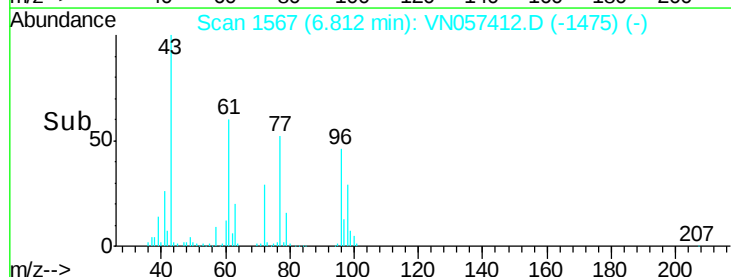
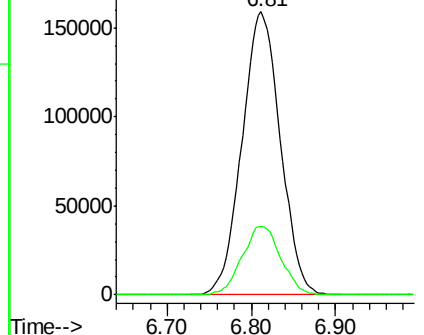
77 100

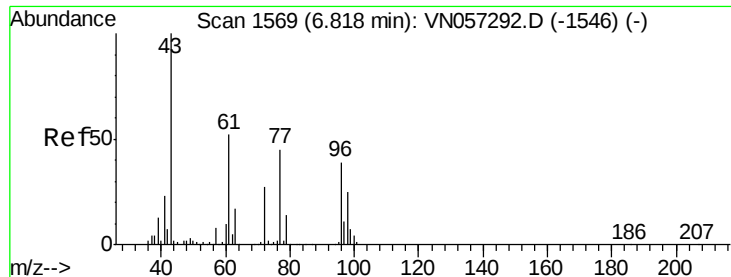
97 24.5 12.3 36.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 45.917 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

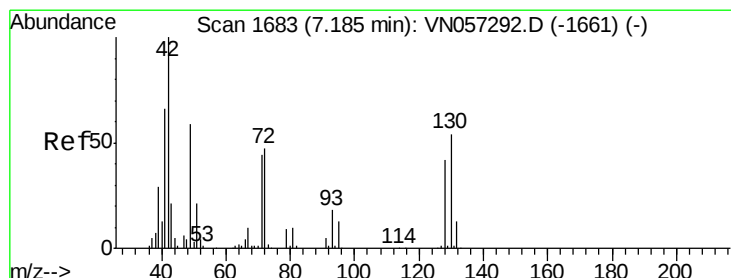
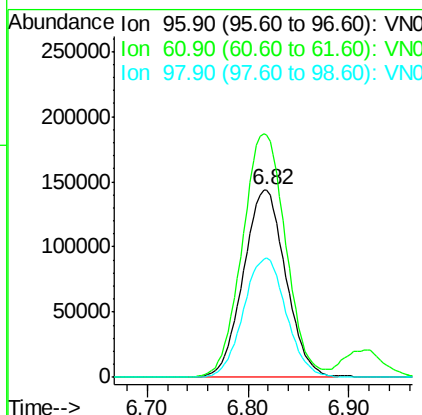
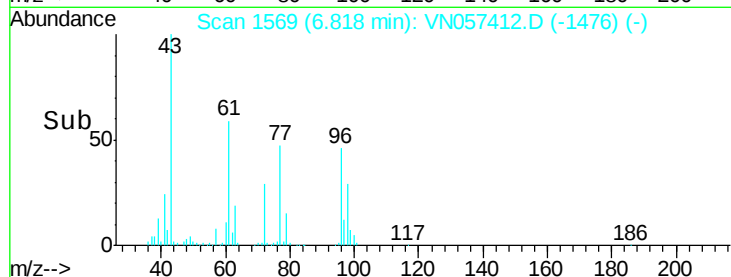
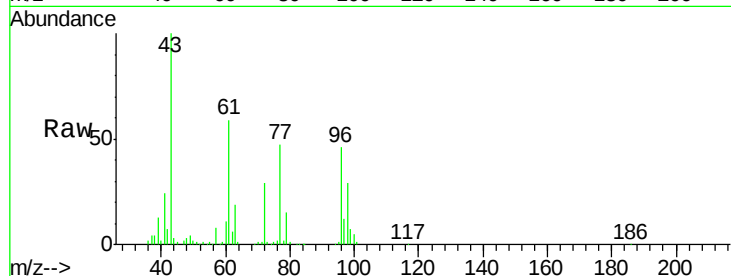
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	419598
Ion	Ratio	Lower	Upper
96	100		
61	133.3	0.0	272.0
98	64.3	0.0	130.4

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#28

Bromochloromethane

Concen: 46.106 ug/l

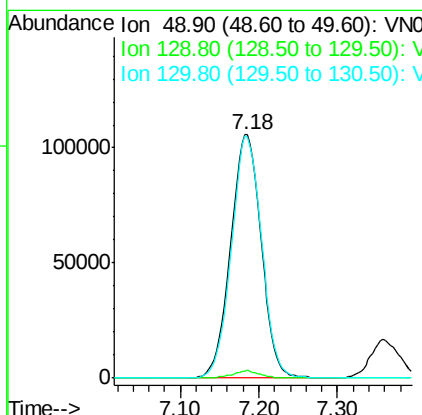
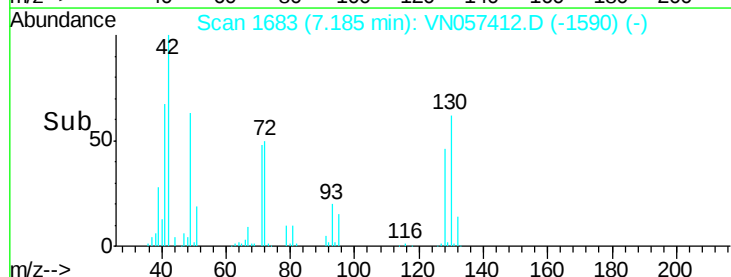
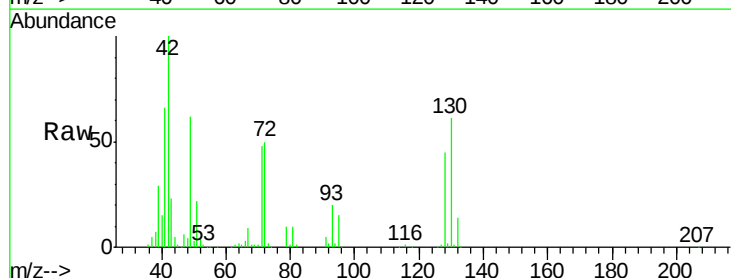
RT: 7.18 min Scan# 1683

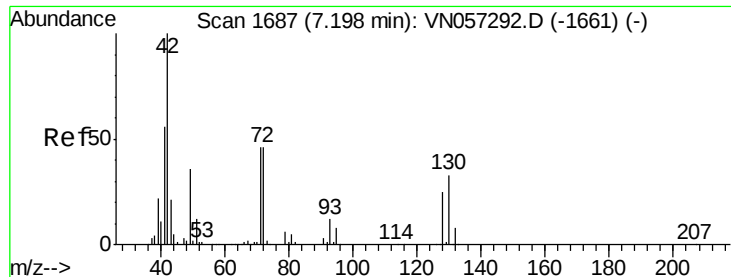
Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Tgt Ion:	49	Resp:	286458
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	2.0#
130	98.0	73.2	109.8





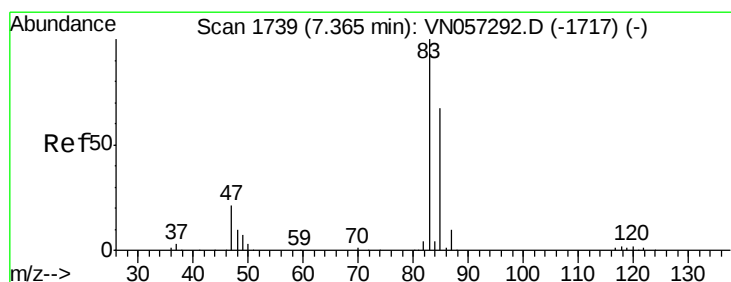
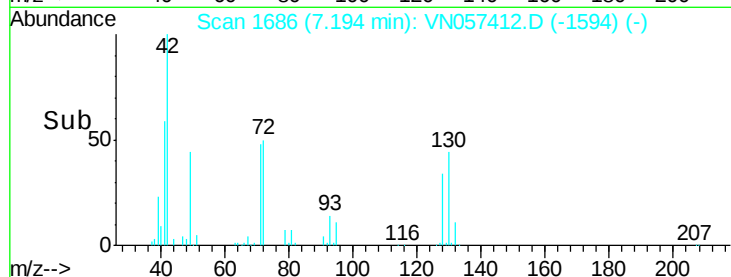
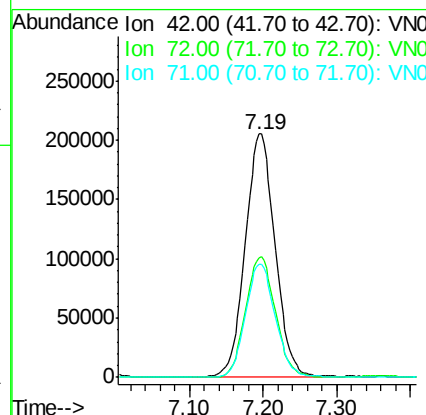
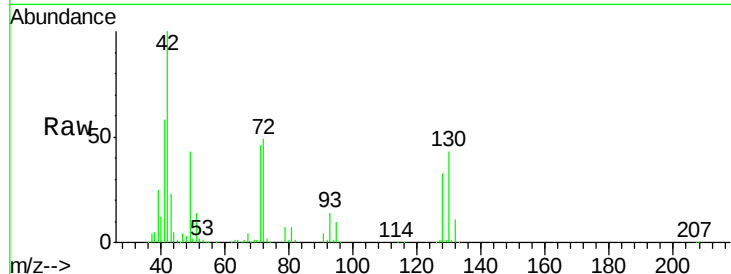
#29
Tetrahydrofuran
Concen: 205.815 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.2	37.8	56.6
71	46.5	35.7	53.5

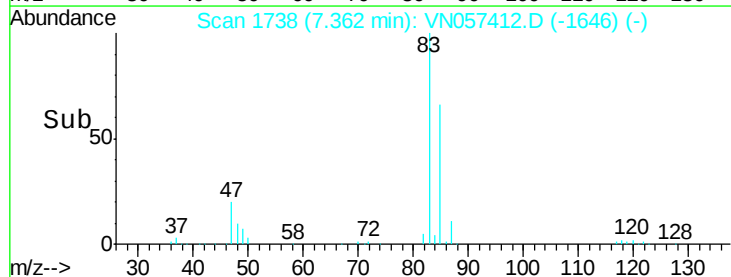
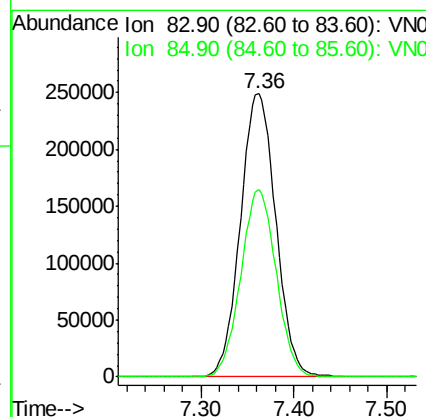
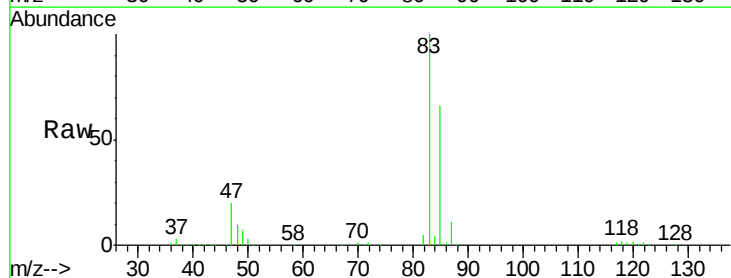
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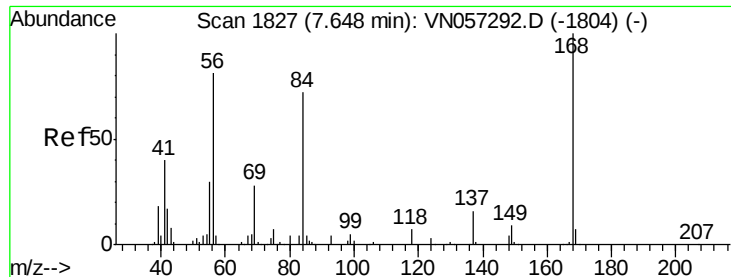
MMDadoda
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#30
Chloroform
Concen: 45.018 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	53.3	79.9





#31

Cyclohexane

Concen: 41.605 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 504171

Ion Ratio Lower Upper

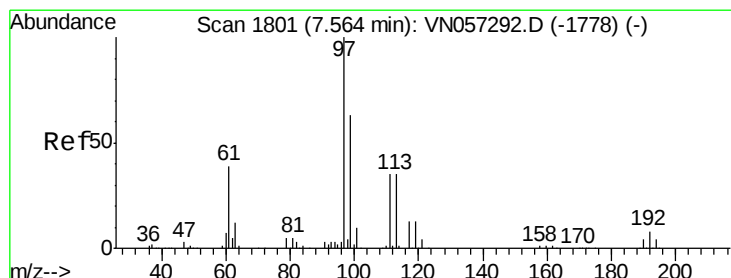
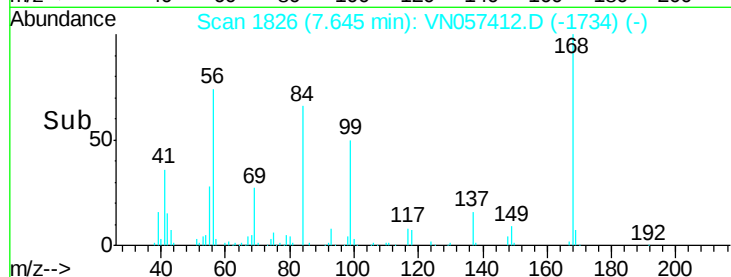
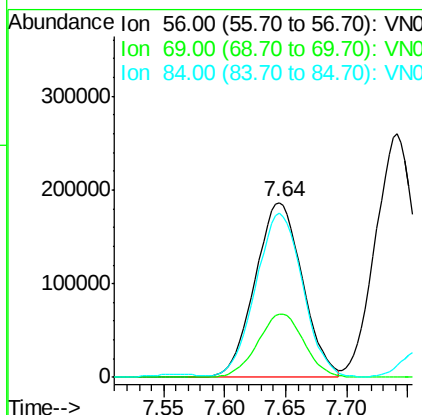
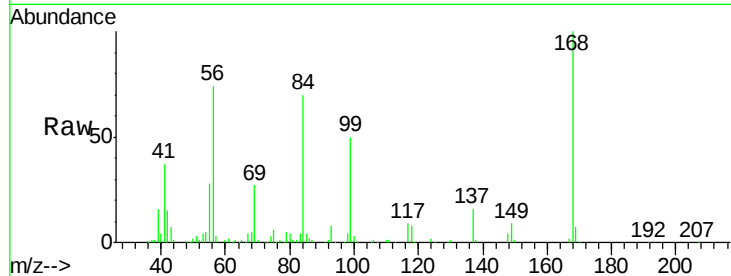
56 100

69 36.4 27.3 40.9

84 92.4 71.0 106.6

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#32

1,1,1-Trichloroethane

Concen: 47.560 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

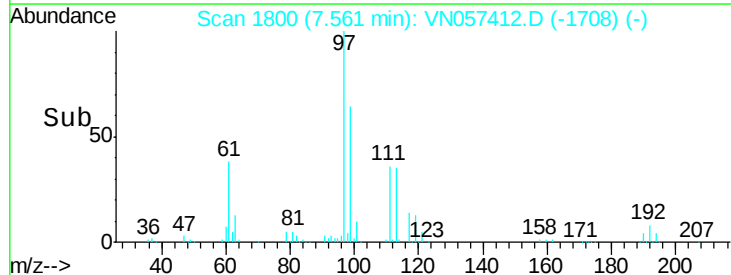
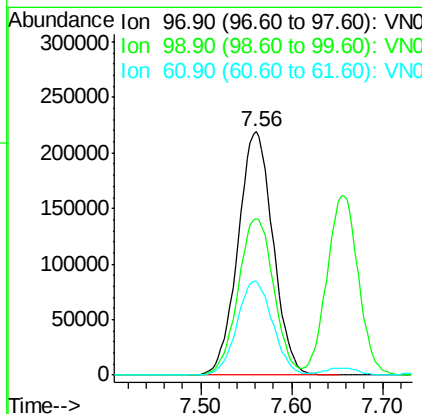
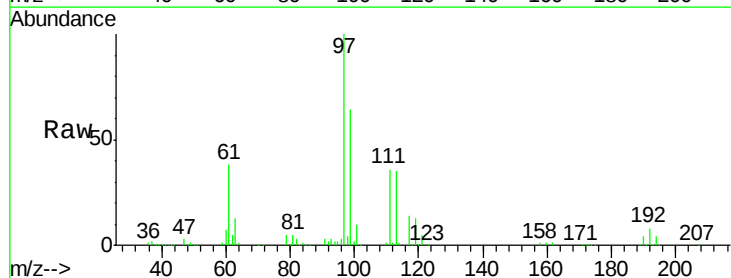
Tgt Ion: 97 Resp: 586201

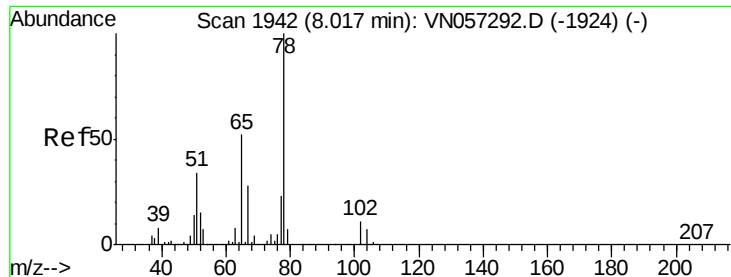
Ion Ratio Lower Upper

97 100

99 65.4 50.3 75.5

61 39.3 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 45.884 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 408067

Ion Ratio Lower Upper

65 100

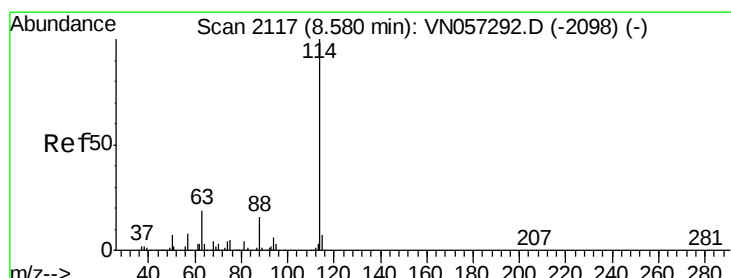
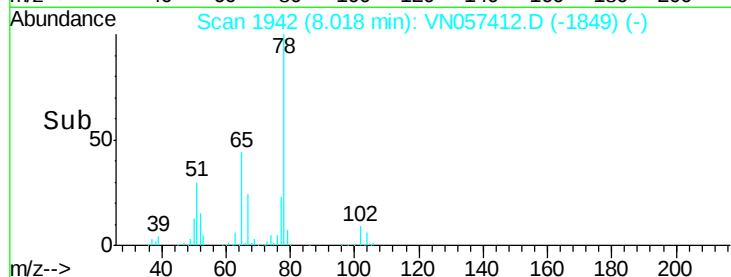
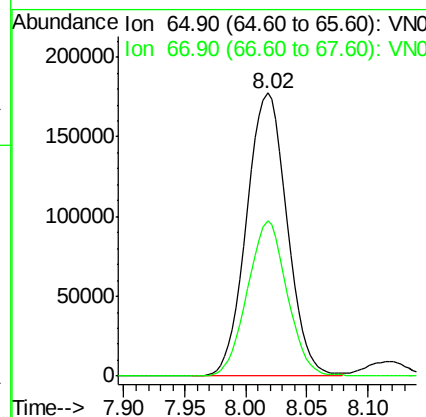
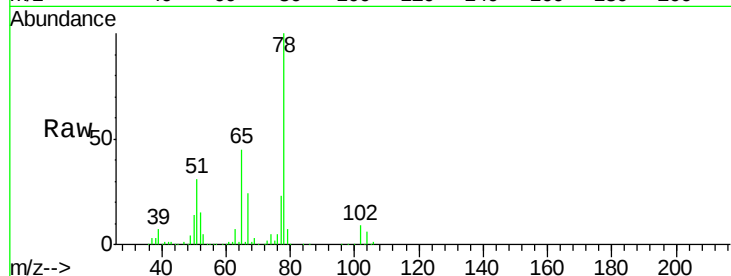
67 53.7 0.0 107.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. -0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

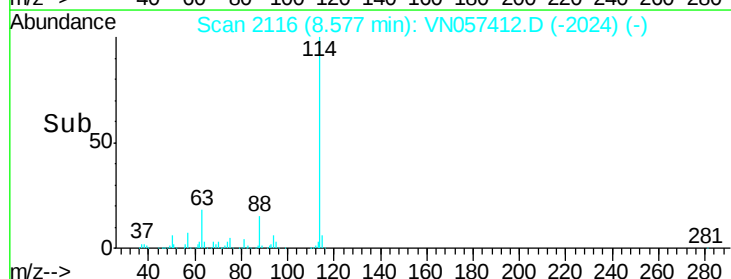
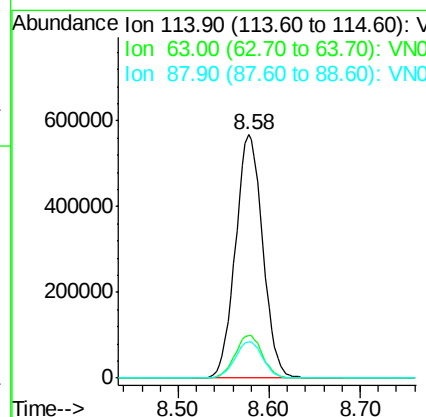
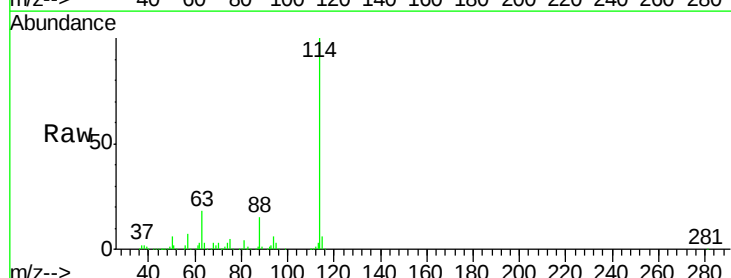
Tgt Ion: 114 Resp: 1181805

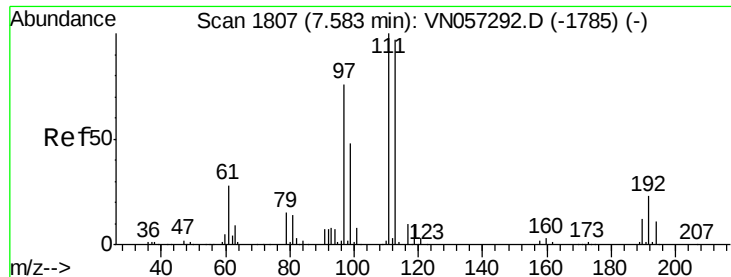
Ion Ratio Lower Upper

114 100

63 17.7 0.0 38.8

88 15.0 0.0 31.4





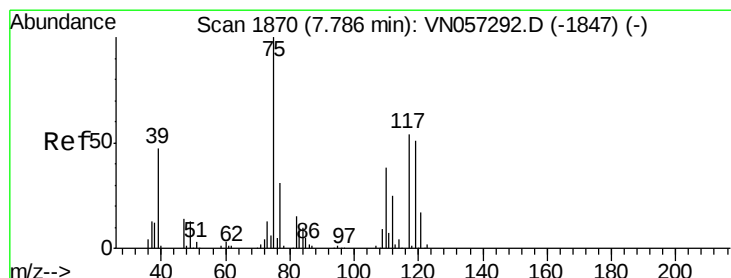
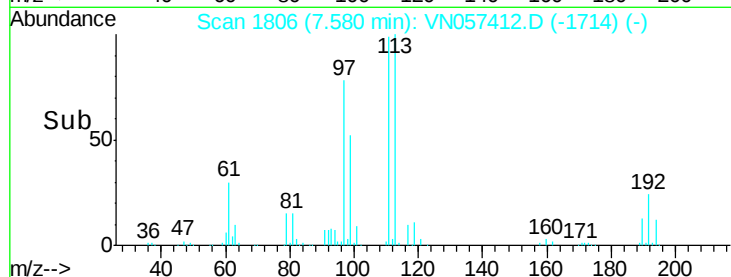
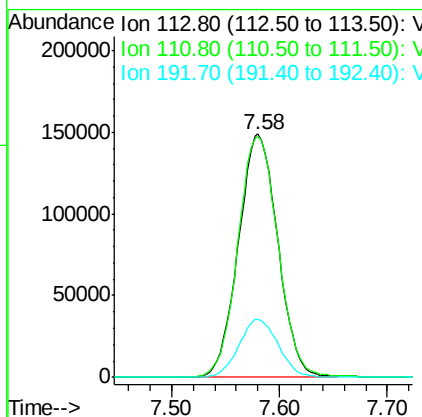
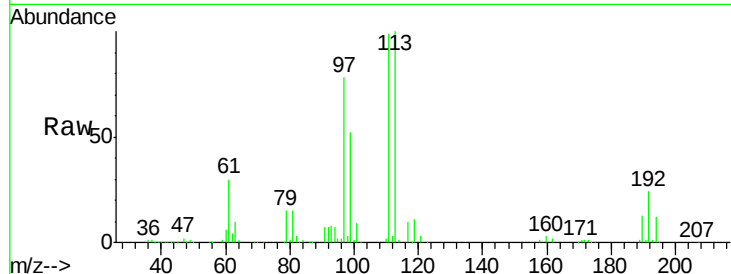
#35
 Dibromofluoromethane
 Concen: 48.727 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN057412.D
 Acq: 19 Aug 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	377488		
111	101.4	82.1	123.1	
192	23.9	19.3	28.9	

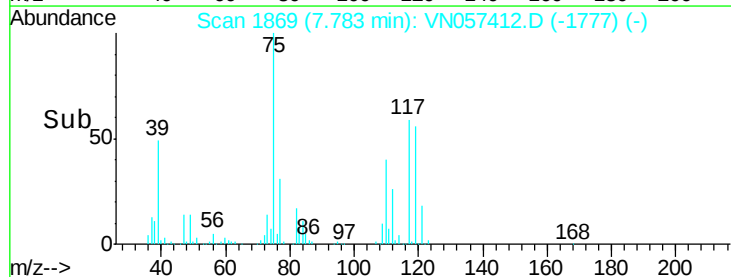
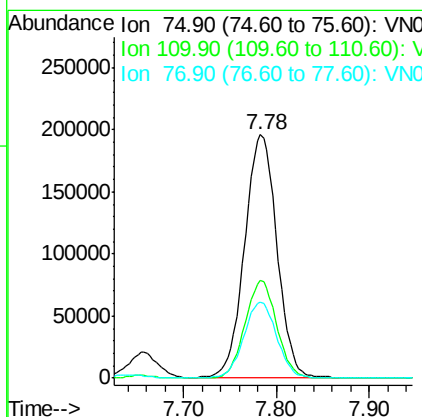
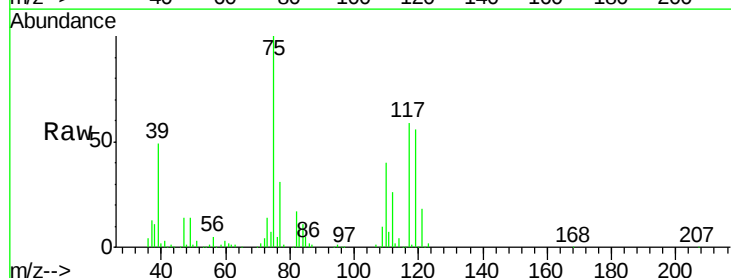
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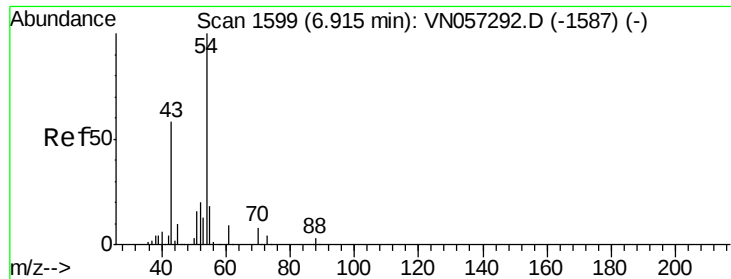
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#36
 1,1-Dichloropropene
 Concen: 45.315 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN057412.D
 Acq: 19 Aug 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	472848		
110	39.3	19.5	58.5	
77	32.1	25.0	37.6	





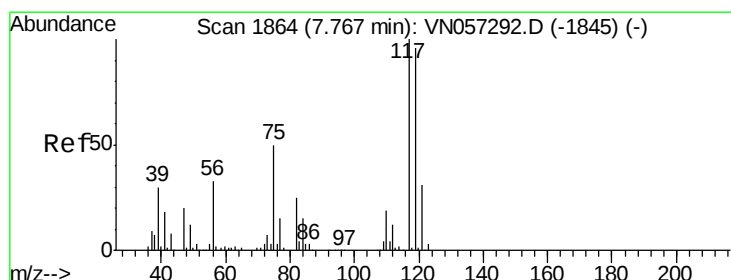
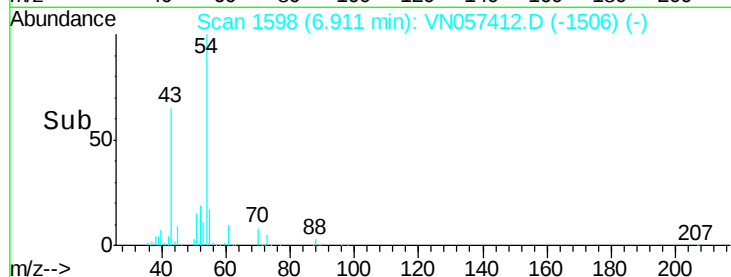
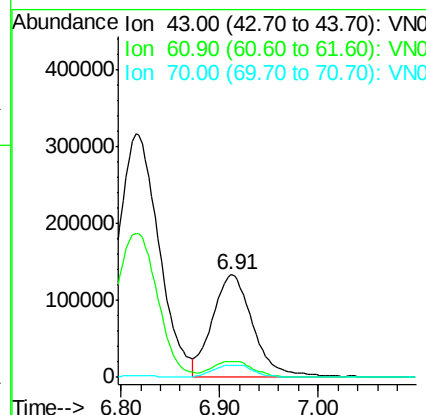
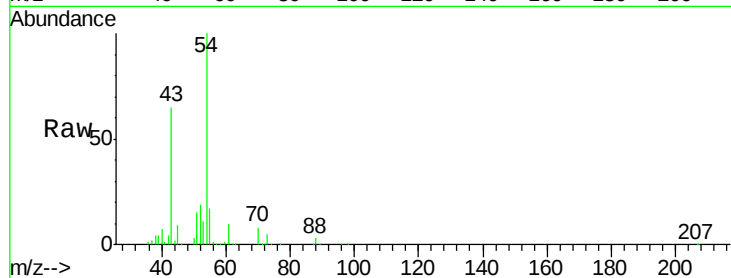
#37
Ethyl Acetate
Concen: 44.271 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.0	18.0
70	12.2	9.2	13.8

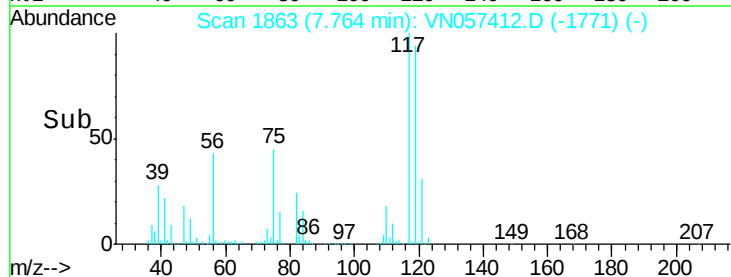
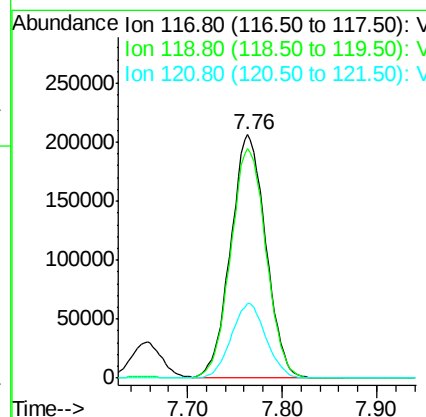
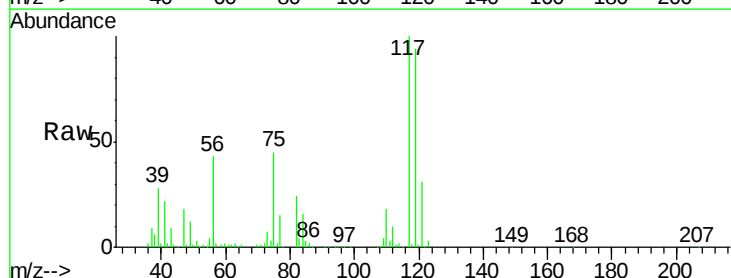
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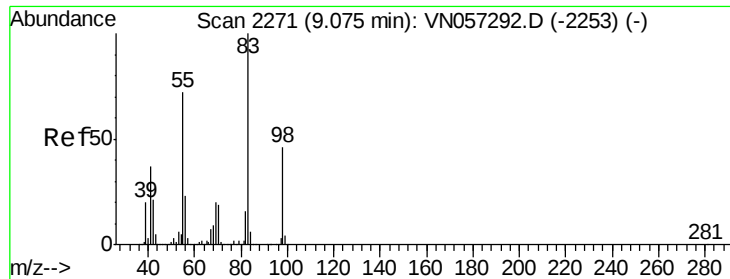
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#38
Carbon Tetrachloride
Concen: 49.068 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.8	115.2
121	30.7	25.0	37.4





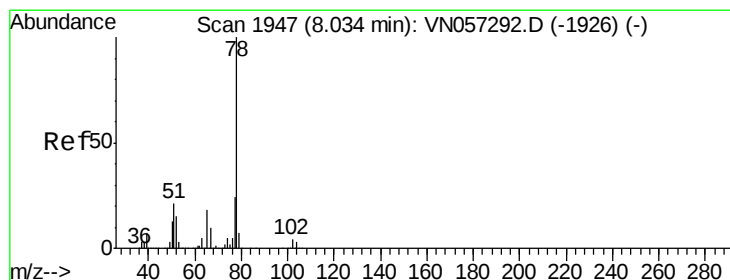
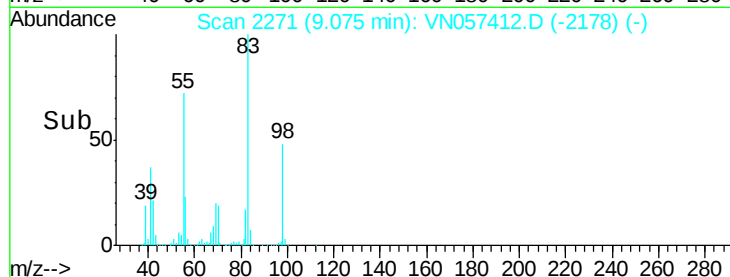
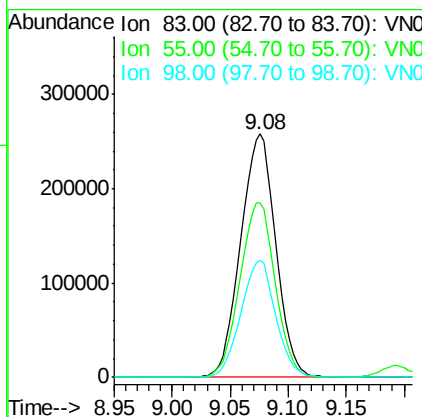
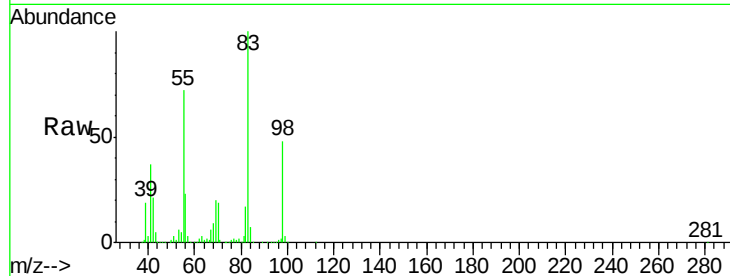
#39
Methvlcvclohexane
Concen: 44.750 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	57.5	86.3
98	48.2	36.6	55.0

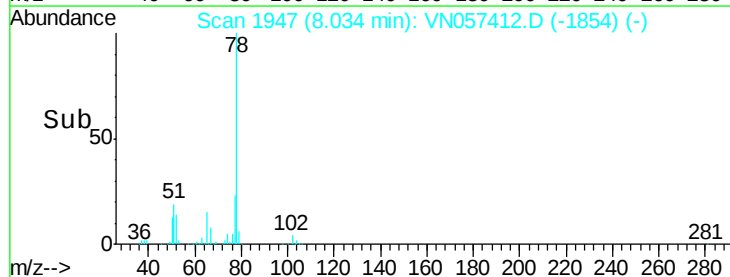
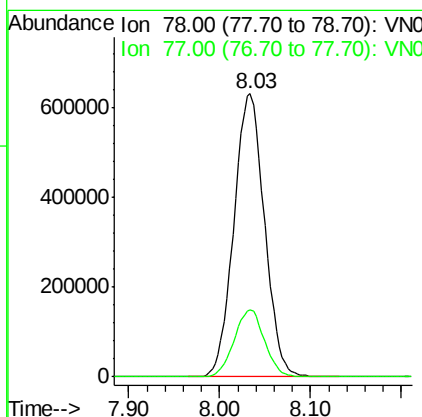
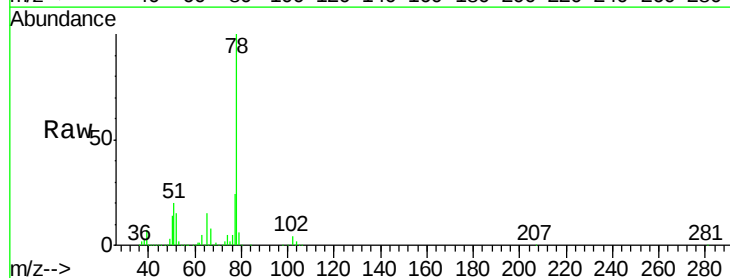
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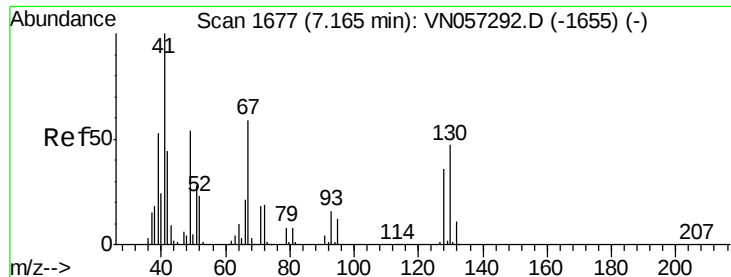
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#40
Benzene
Concen: 46.220 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





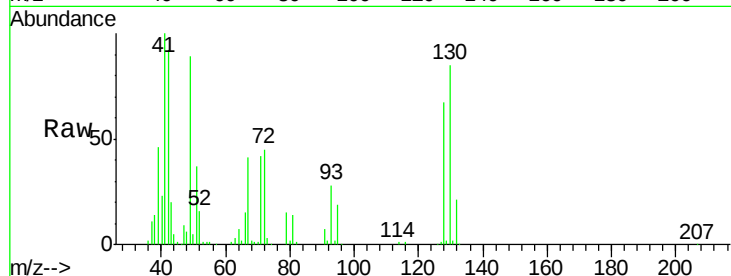
#41
Methacrylonitrile
Concen: 56.566 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
41	100	217708		
39	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

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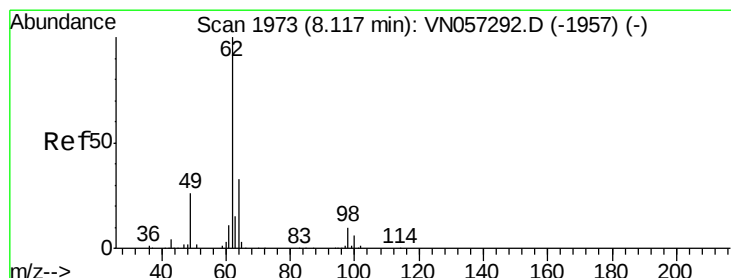
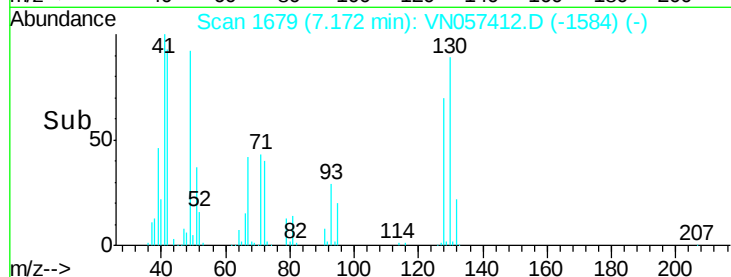
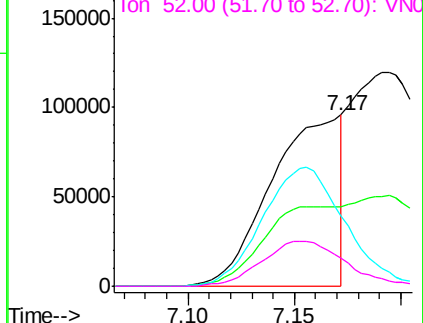


Abundance Ion 41.00 (40.70 to 41.70): VN057292.D (-1655) (-)

Ion 39.00 (38.70 to 39.70): VN057292.D (-1655) (-)

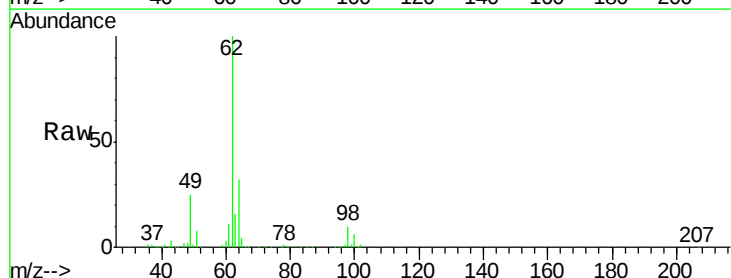
Ion 67.00 (66.70 to 67.70): VN057292.D (-1655) (-)

Ion 52.00 (51.70 to 52.70): VN057292.D (-1655) (-)



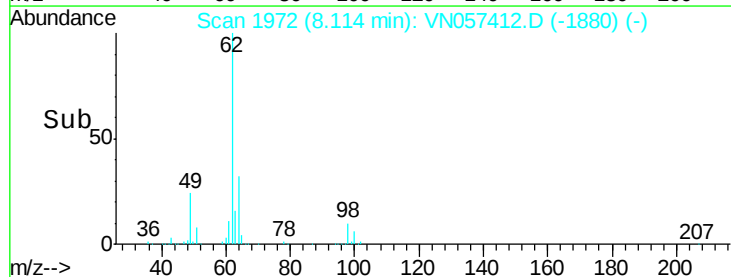
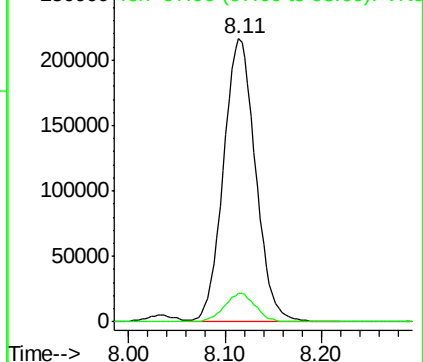
#42
1,2-Dichloroethane
Concen: 47.022 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

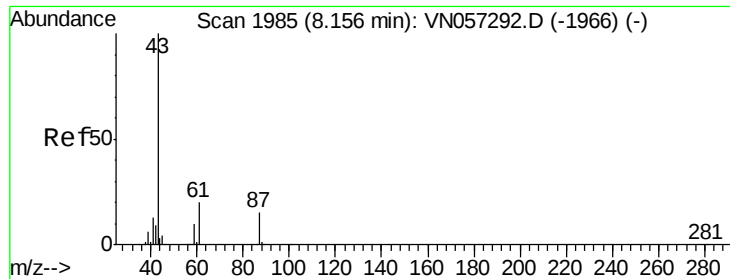
Tgt Ion	Ratio	Resp	Lower	Upper
62	100	496699		
98	9.8	0.0	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VN057292.D (-1957) (-)

Ion 97.90 (97.60 to 98.60): VN057292.D (-1957) (-)





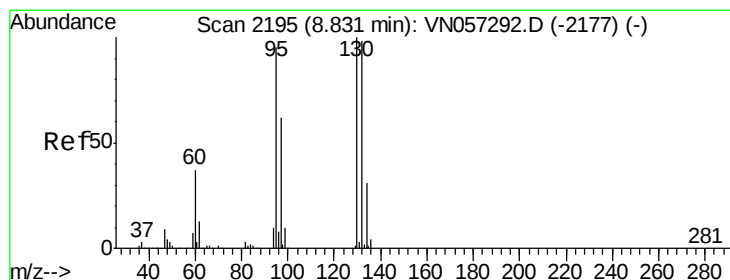
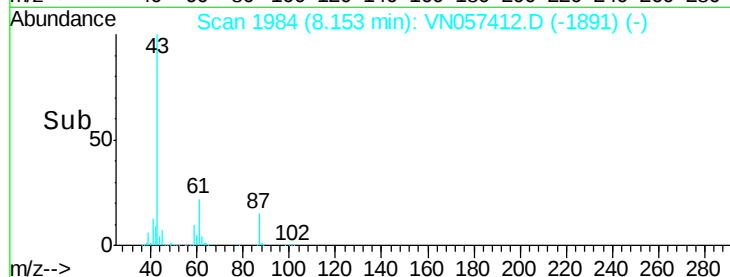
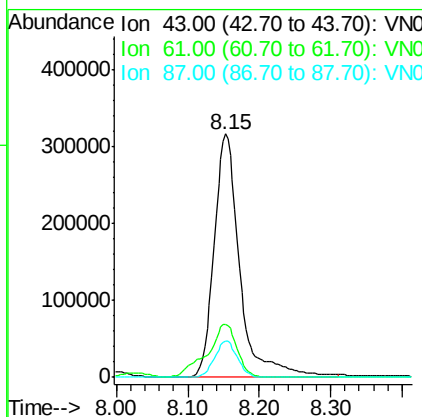
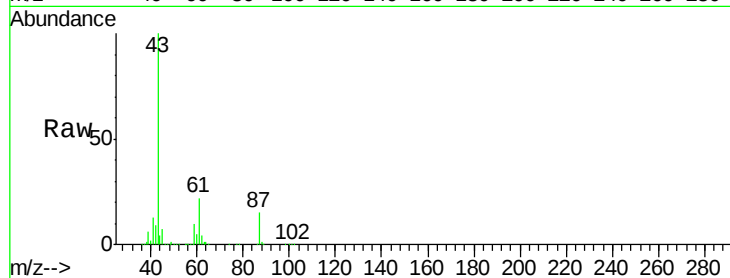
#43
Isopropyl Acetate
Concen: 50.201 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. -0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.5	21.6	32.4
87	13.1	11.4	17.0

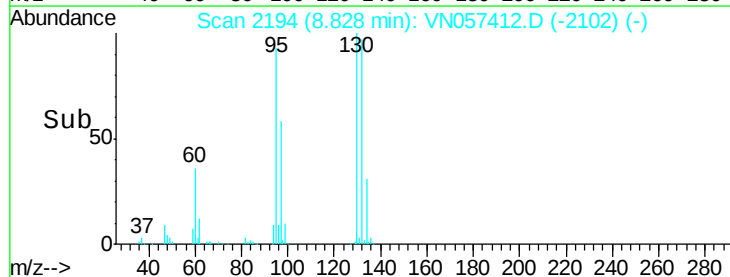
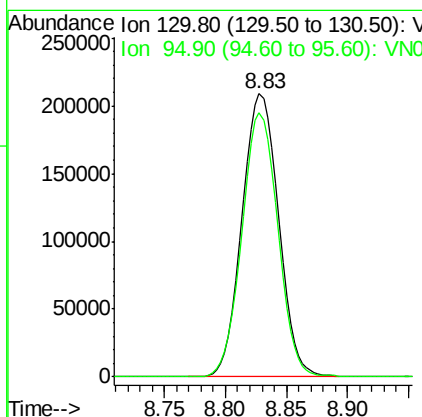
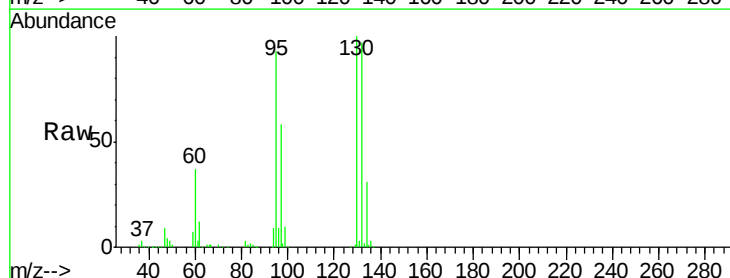
Manual Integrations
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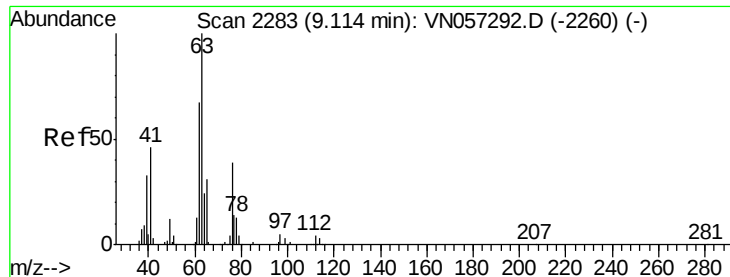
MMDadoda
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#44
Trichloroethene
Concen: 48.322 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	189.2





#45

1,2-Dichloropropane

Concen: 46.383 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 381569

Ion Ratio Lower Upper

63 100

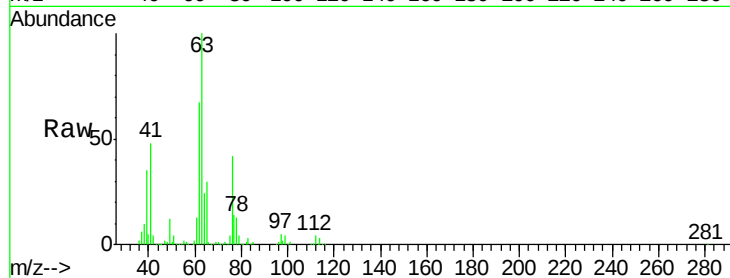
65 30.4 24.8 37.2

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.11

200000

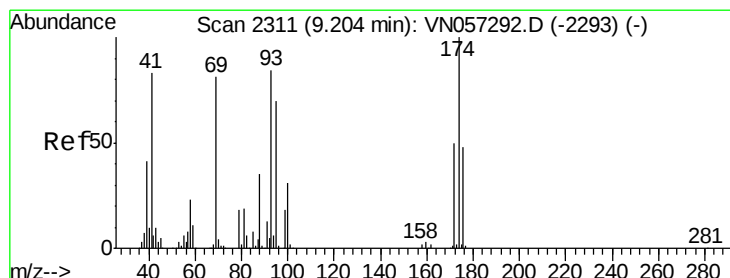
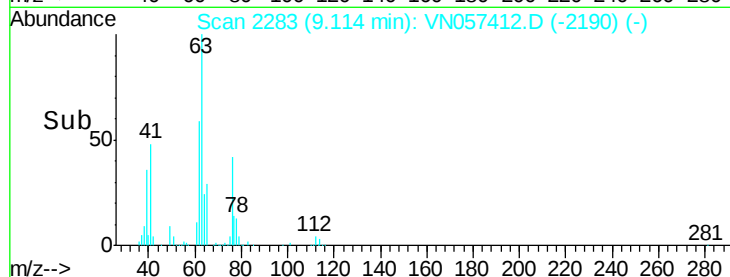
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 46.636 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

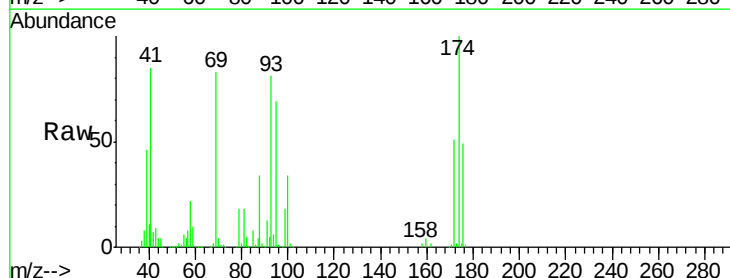
Tgt Ion: 93 Resp: 255942

Ion Ratio Lower Upper

93 100

95 85.6 66.5 99.7

174 126.9 95.7 143.5



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.20

200000

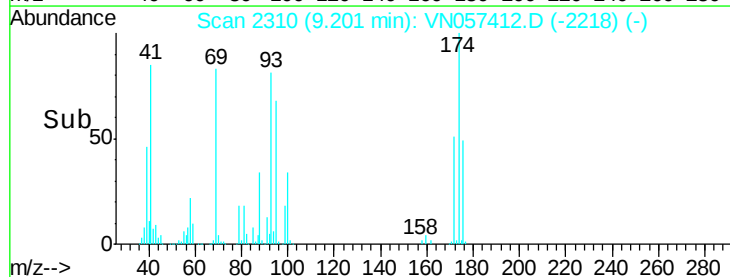
150000

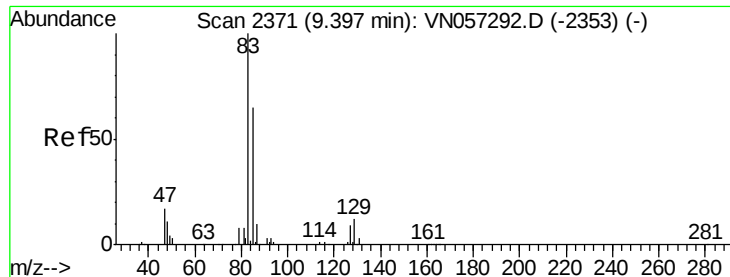
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 48.641 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

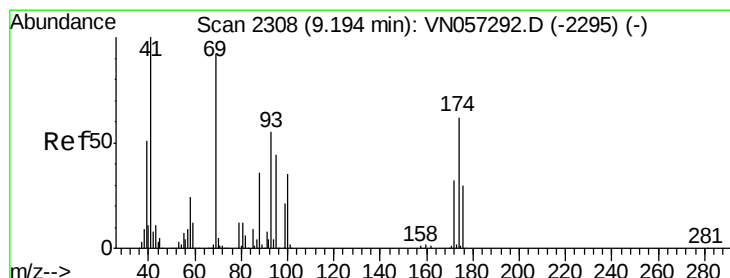
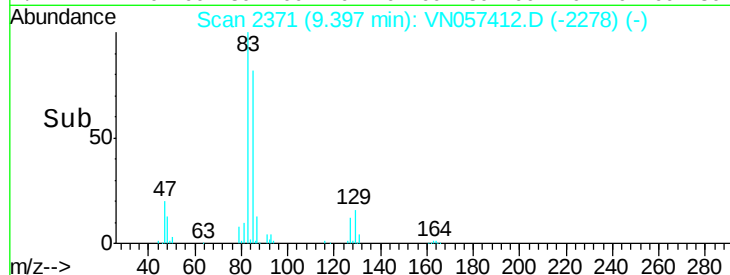
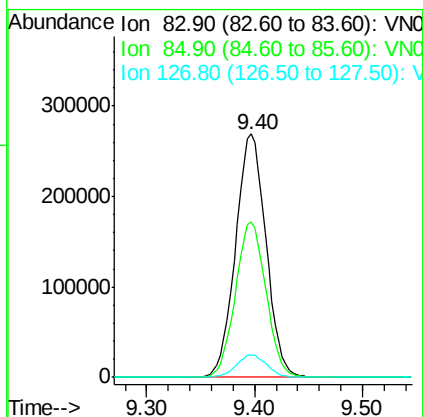
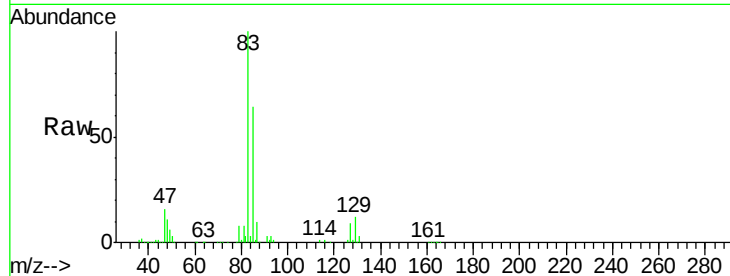
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	528907
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.9	77.9
127	9.4	7.2	10.8

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#48

Methyl methacrylate

Concen: 44.241 ug/l

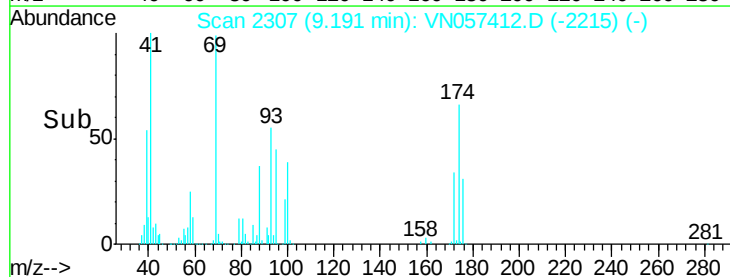
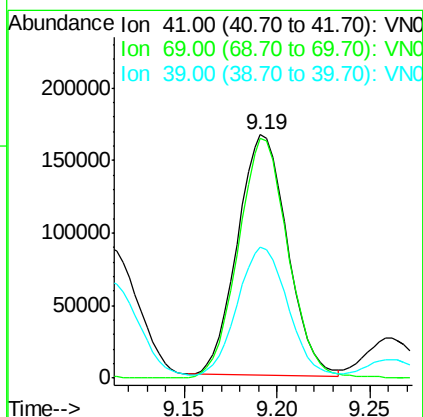
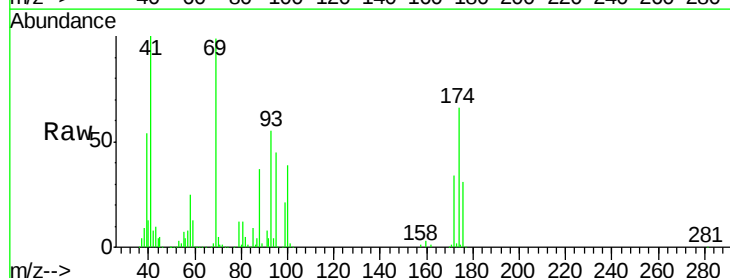
RT: 9.19 min Scan# 2307

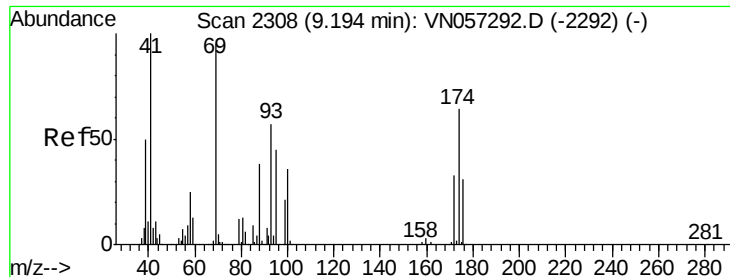
Delta R.T. -0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Tgt Ion:	41	Resp:	311353
Ion Ratio	Lower	Upper	
41	100		
69	99.8	75.9	113.9
39	55.8	42.3	63.5





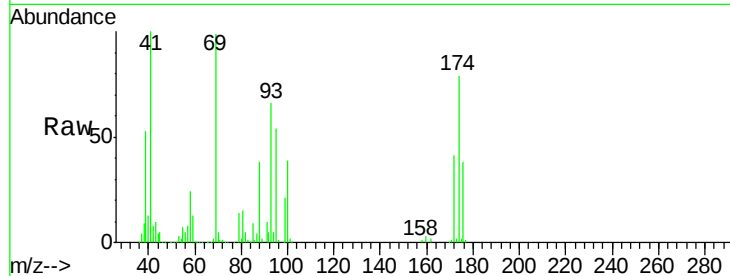
#49
1,4-Dioxane
Concen: 906.241 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

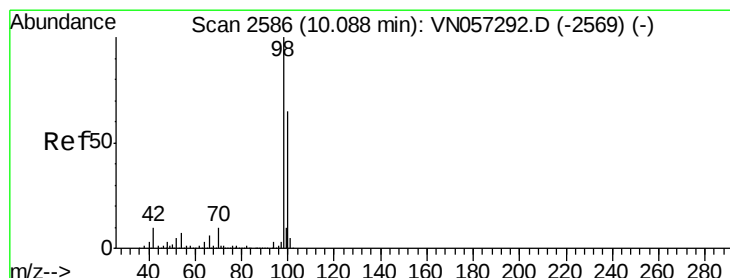
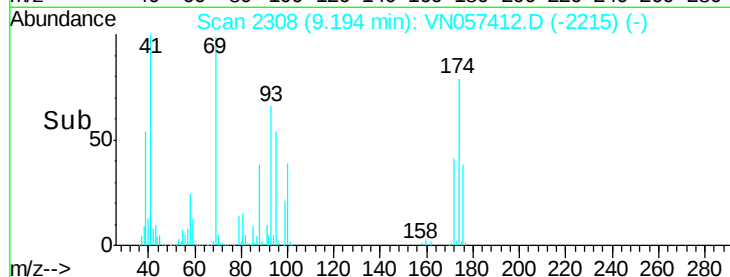
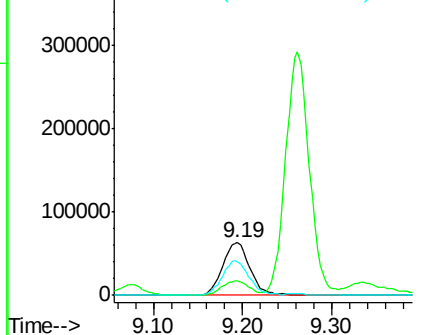
Tot Ion	Ratio	Lower	Upper
88	100		
43	26.1	22.9	34.3
58	64.4	52.7	79.1

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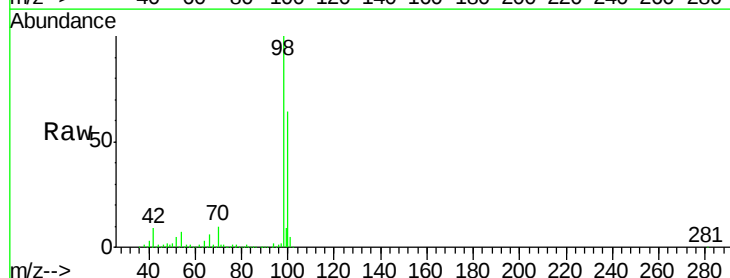


Abundance Ion 88.00 (87.70 to 88.70): VN057412.D (-2215) (-)
Ion 43.00 (42.70 to 43.70): VN057412.D (-2215) (-)
Ion 58.00 (57.70 to 58.70): VN057412.D (-2215) (-)

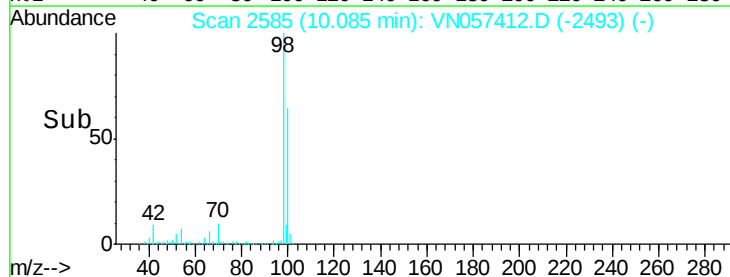
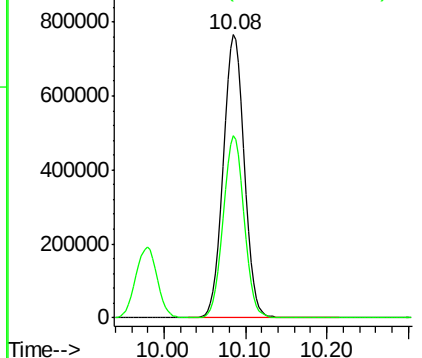


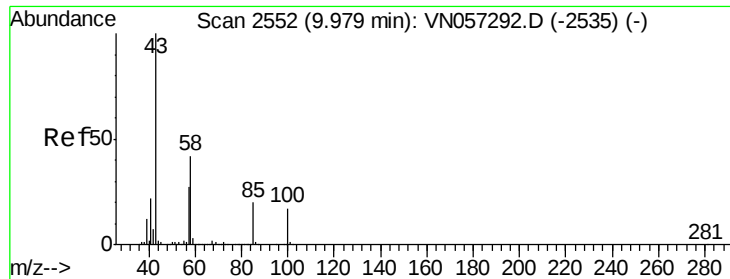
#50
Toluene-d8
Concen: 49.433 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN057412.D (-2493) (-)
Ion 100.00 (99.70 to 100.70): VN057412.D (-2493) (-)





#51

4-Methyl-2-Pentanone

Concen: 218.258 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1924344

Ion Ratio Lower Upper

43 100

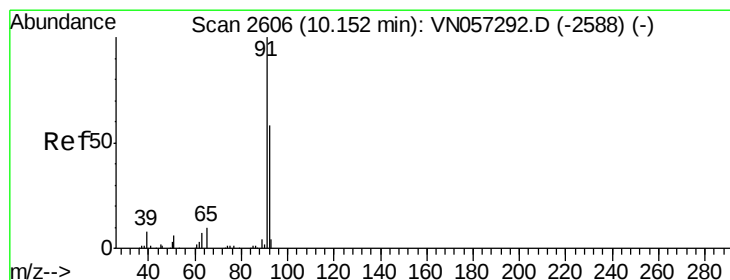
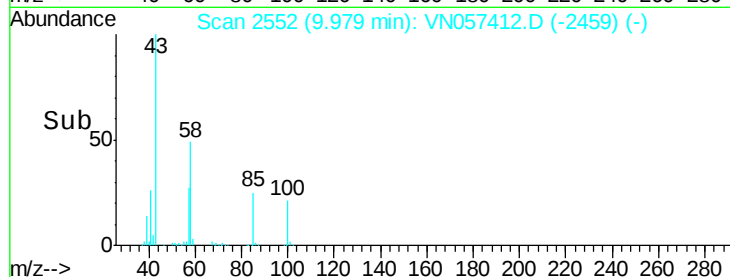
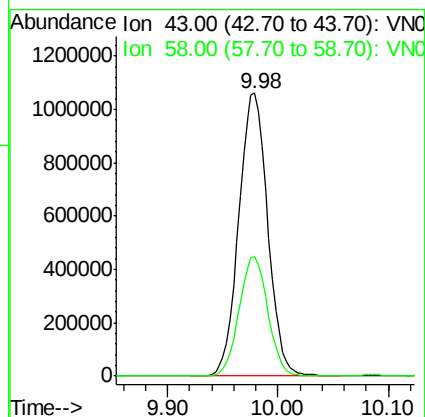
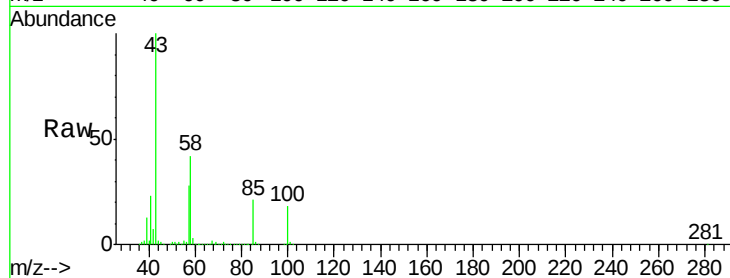
58 42.2 33.2 49.8

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#52

Toluene

Concen: 47.891 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057412.D

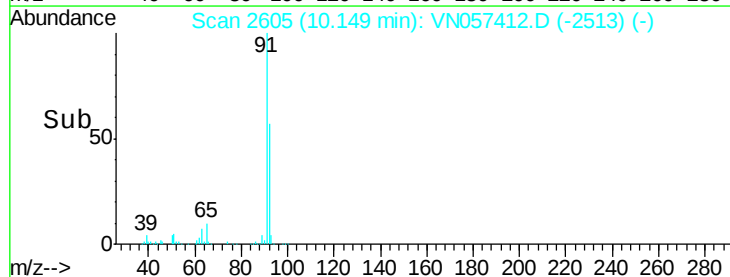
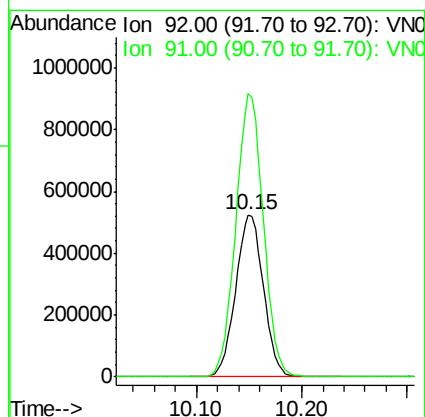
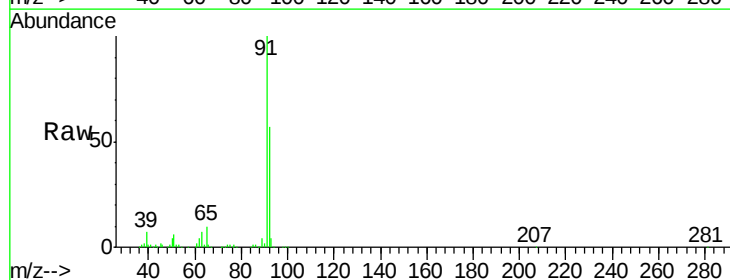
Acq: 19 Aug 2019 19:59

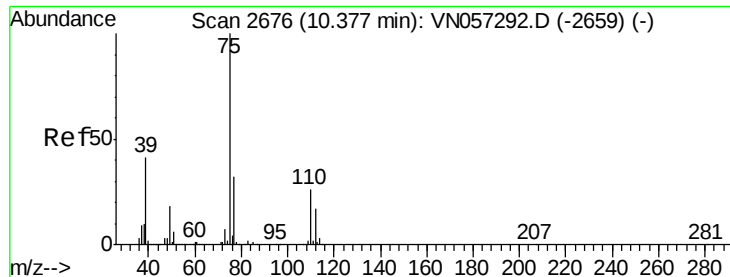
Tgt Ion: 92 Resp: 951347

Ion Ratio Lower Upper

92 100

91 173.3 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 47.914 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 563563

Ion Ratio Lower Upper

75 100

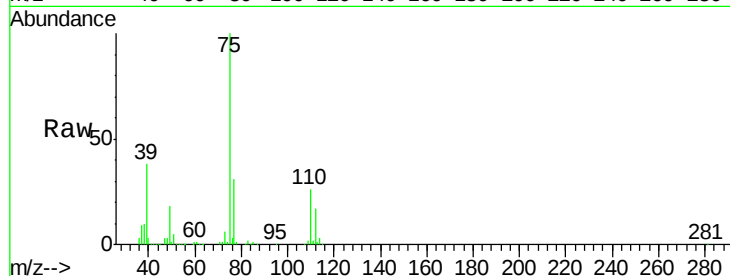
77 31.4 25.5 38.3

Manual Integrations

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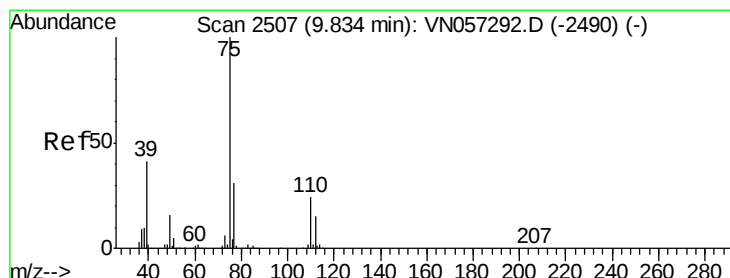
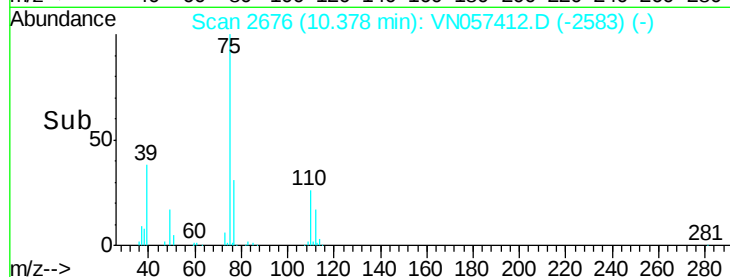
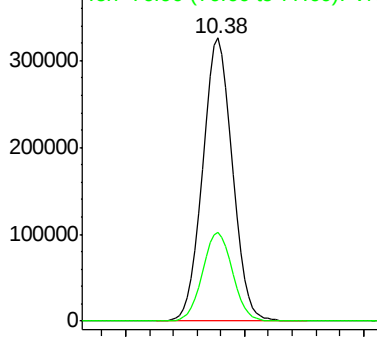
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 47.797 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

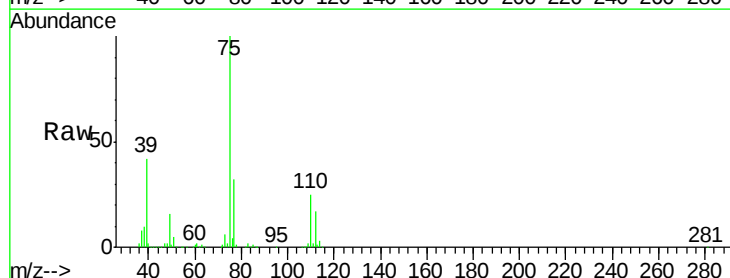
Tgt Ion: 75 Resp: 619927

Ion Ratio Lower Upper

75 100

77 31.6 24.9 37.3

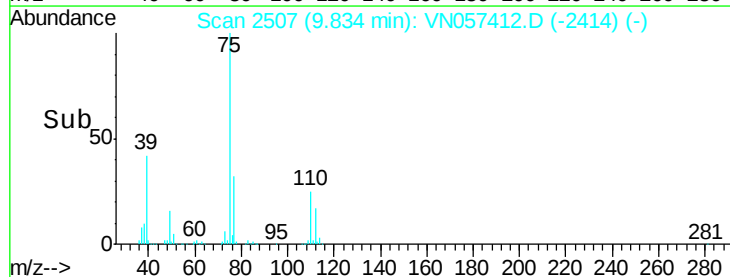
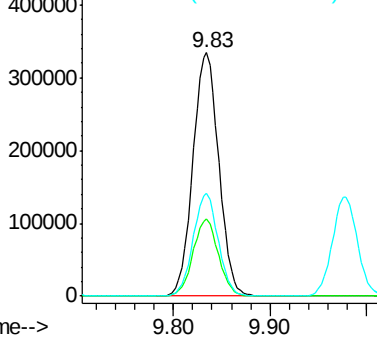
39 42.0 32.7 49.1

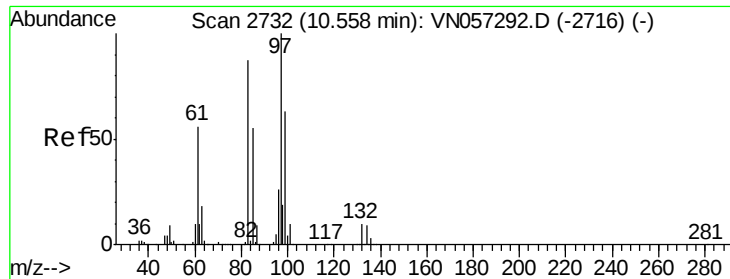


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 49.250 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

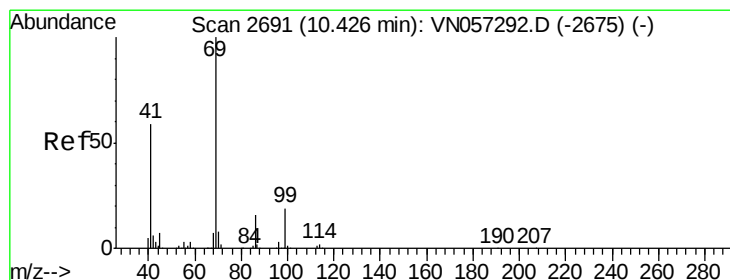
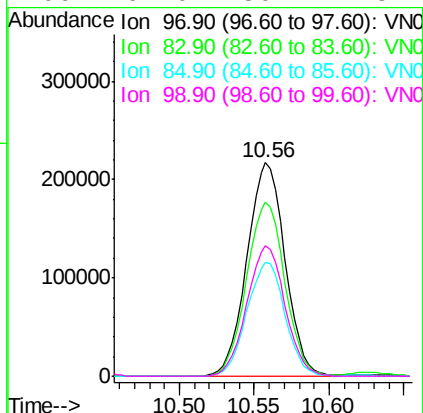
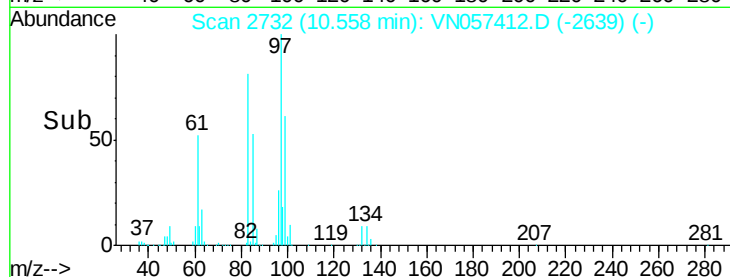
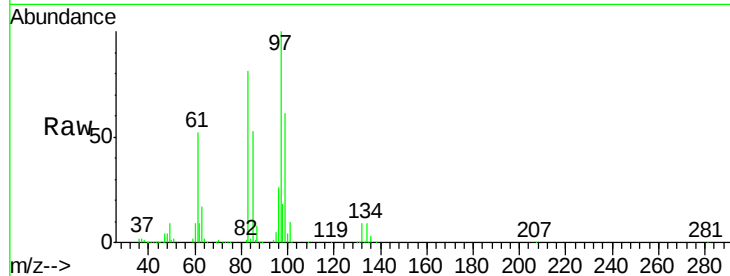
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	384708
Ion	Ratio	Lower	Upper
97	100		
83	81.3	69.8	104.8
85	53.5	44.1	66.1
99	61.0	50.2	75.2

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#56

Ethyl methacrylate

Concen: 47.790 ug/l

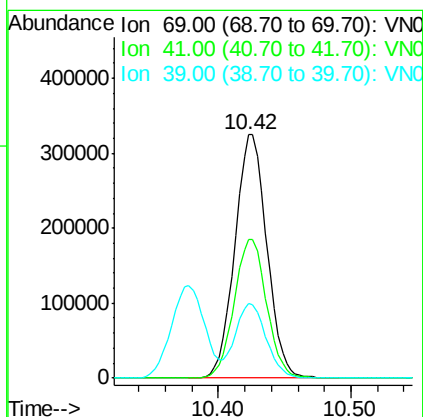
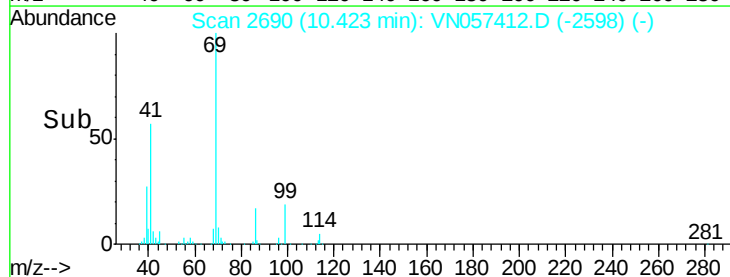
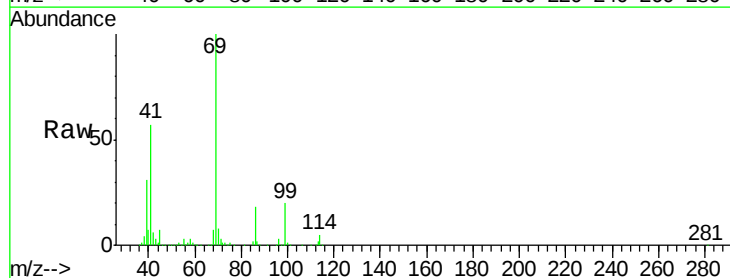
RT: 10.42 min Scan# 2690

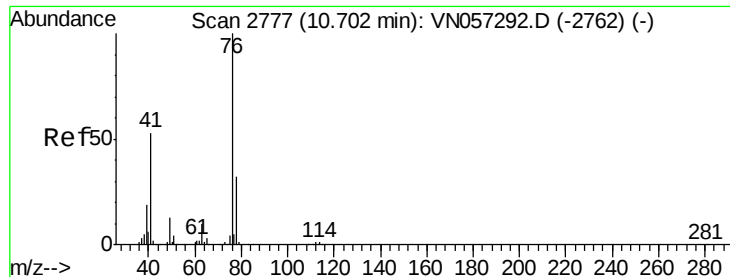
Delta R.T. -0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Tgt Ion:	69	Resp:	544780
Ion	Ratio	Lower	Upper
69	100		
41	57.6	48.2	72.2
39	29.2	23.4	35.0





#57

1,3-Dichloropropane

Concen: 46.741 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 609942

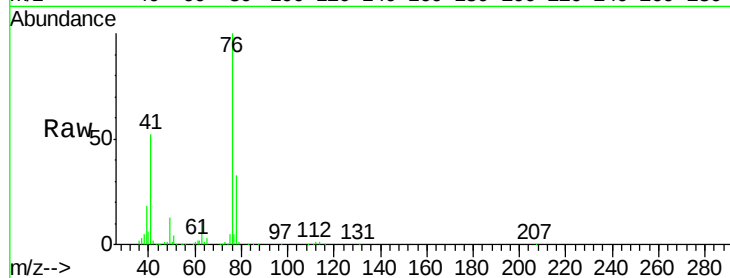
Ion Ratio Lower Upper

76 100

78 32.7 25.6 38.4

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Abundance Ion 75.90 (75.60 to 76.60): VN057412.D (-2684) (-)

Ion 77.90 (77.60 to 78.60): VN057412.D (-2684) (-)

10.70

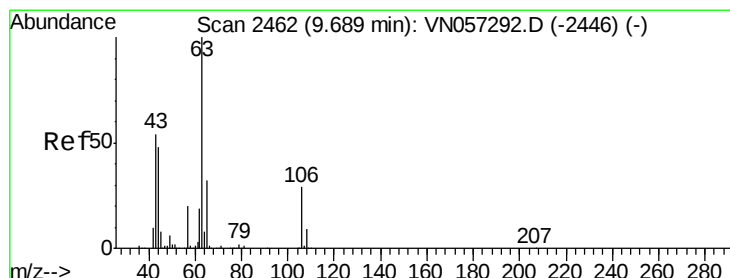
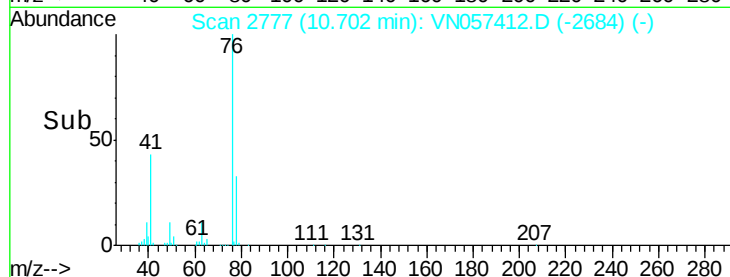
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 179.361 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057412.D

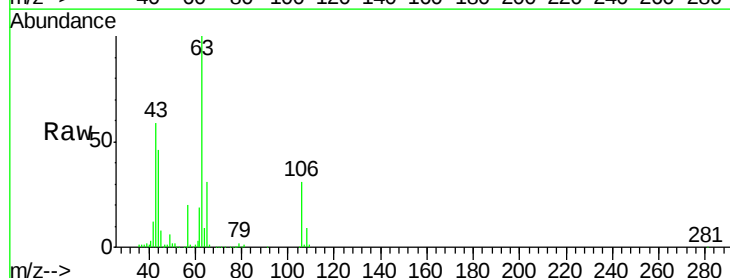
Acq: 19 Aug 2019 19:59

Tgt Ion: 63 Resp: 589004

Ion Ratio Lower Upper

63 100

106 30.2 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VN057412.D (-2369) (-)

Ion 105.90 (105.60 to 106.60): VN057412.D (-2369) (-)

9.69

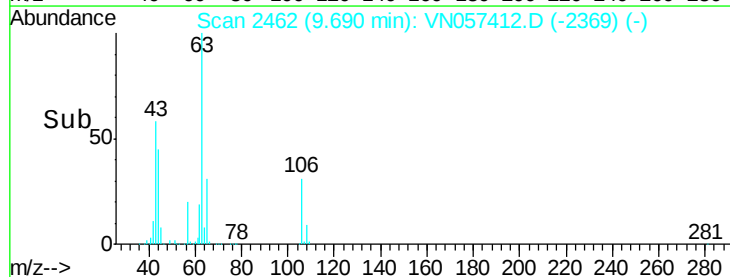
300000

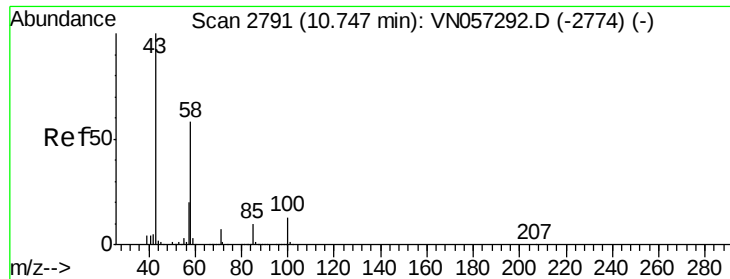
200000

100000

0

Time--> 9.60 9.70 9.80





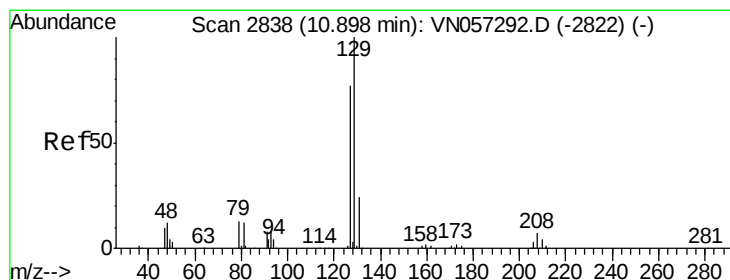
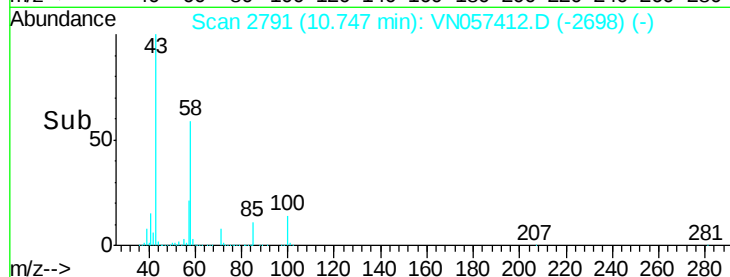
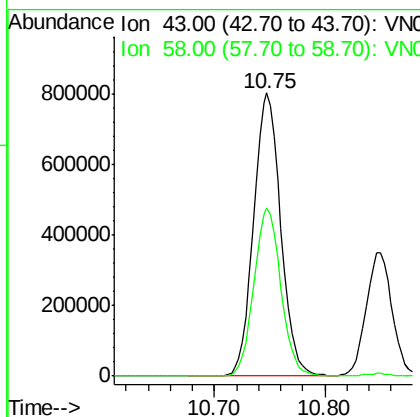
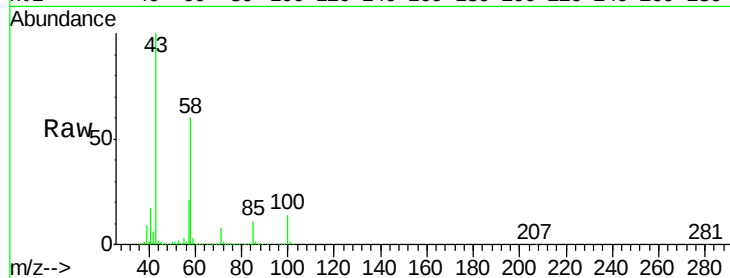
#59
2-Hexanone
Concen: 215.667 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1367035
Ion Ratio Lower Upper
43 100
58 59.0 28.6 85.9

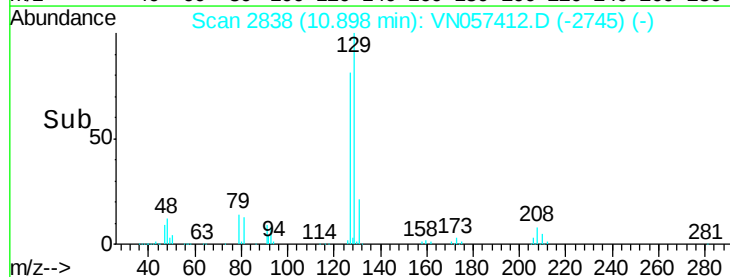
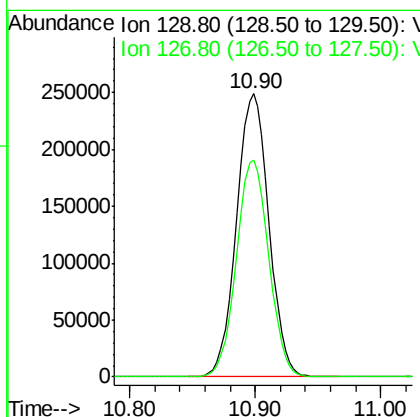
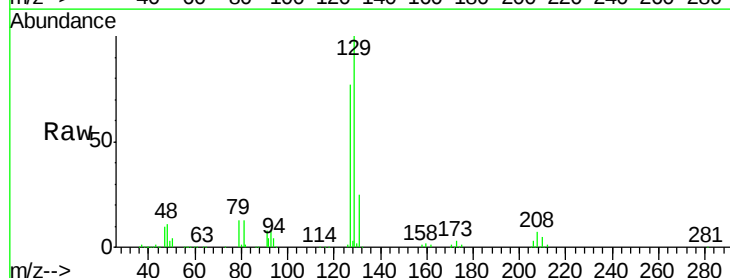
Manual Integrations
APPROVED

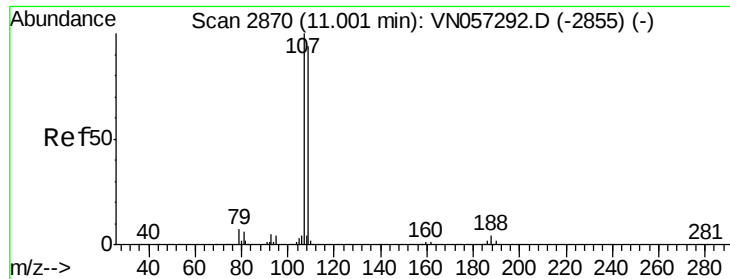
MMDadoda
8/21/2019 9:45:21 AM



#60
Dibromochloromethane
Concen: 50.971 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Tgt Ion: 129 Resp: 446181
Ion Ratio Lower Upper
129 100
127 76.7 39.0 116.9





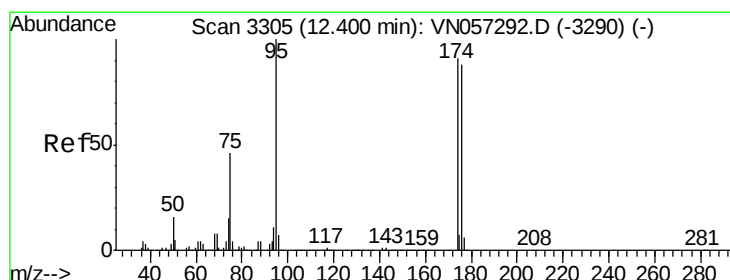
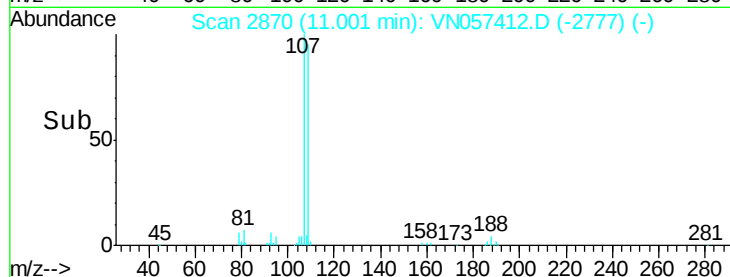
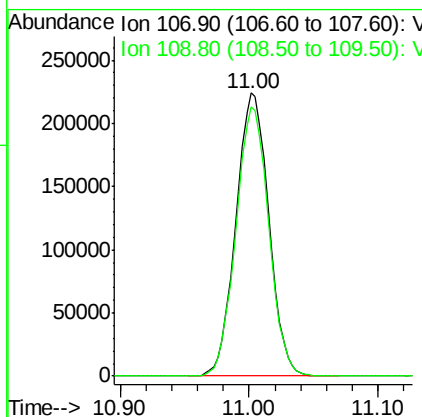
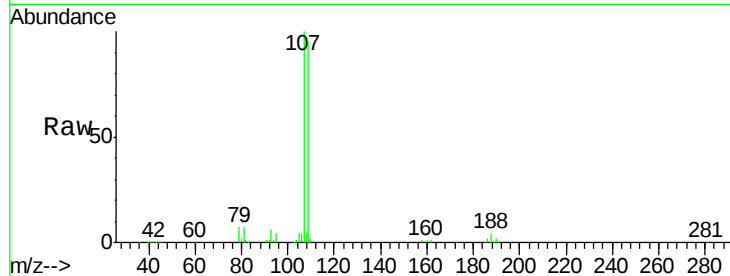
#61
 1,2-Dibromoethane
 Concen: 47.707 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN057412.D
 Acq: 19 Aug 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	396971		
109	95.2	75.7	113.5	

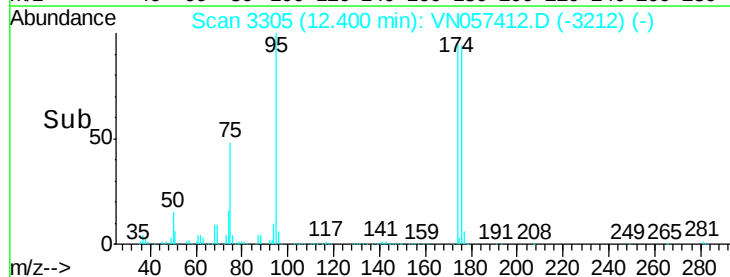
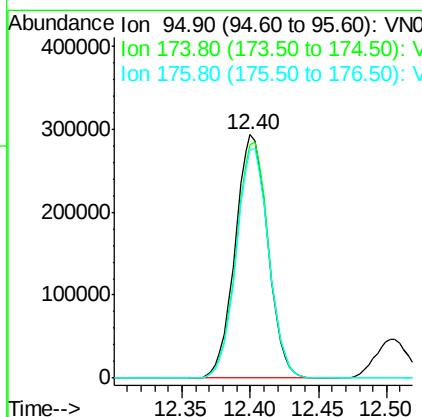
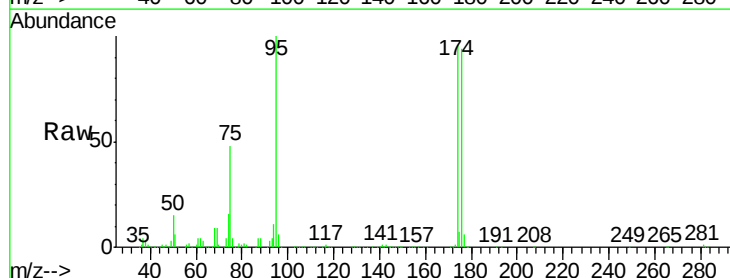
Manual Integrations
 APPROVED

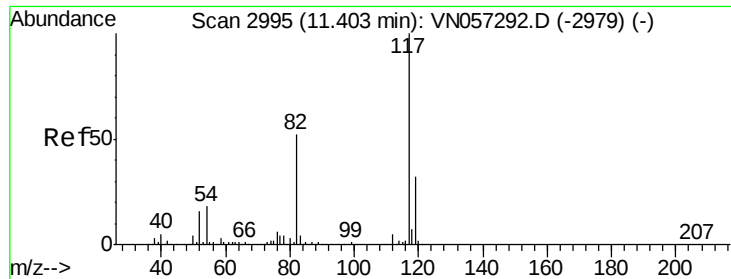
MMDadoda
 8/21/2019 9:45:21 AM



#62
 4-Bromofluorobenzene
 Concen: 48.624 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN057412.D
 Acq: 19 Aug 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	486887		
174	96.2	0.0	185.0	
176	93.5	0.0	181.0	





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:117 Resp: 1092866

Ion Ratio Lower Upper

117 100

82 51.2 41.2 61.8

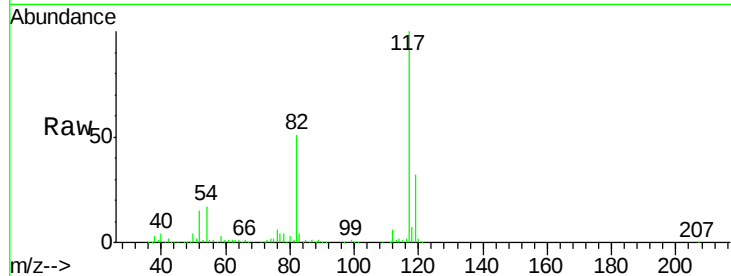
119 32.4 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

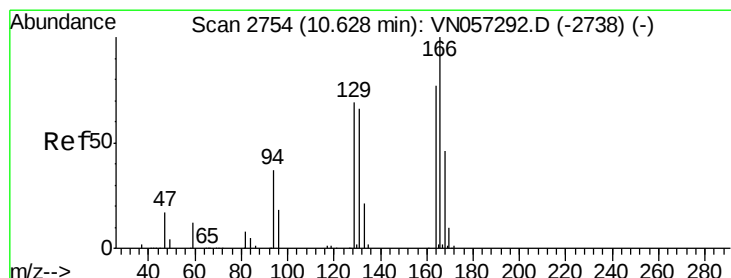
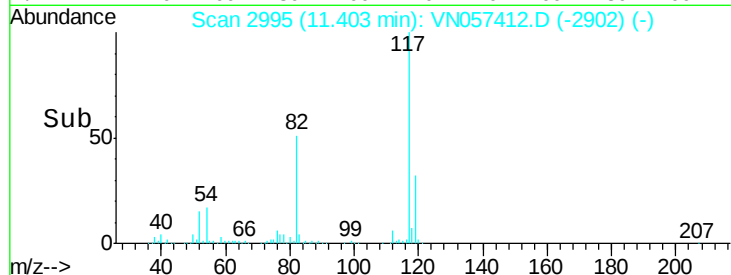
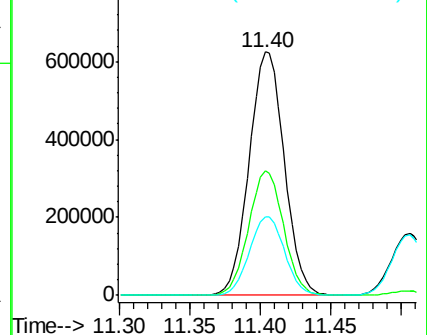
8/21/2019 9:45:21 AM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 47.764 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Tgt Ion:164 Resp: 451258

Ion Ratio Lower Upper

164 100

166 124.6 103.5 155.3

129 87.9 71.2 106.8

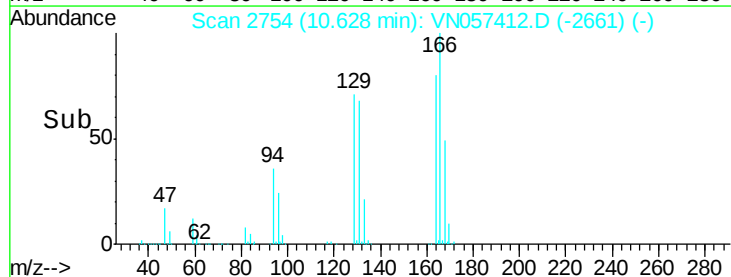
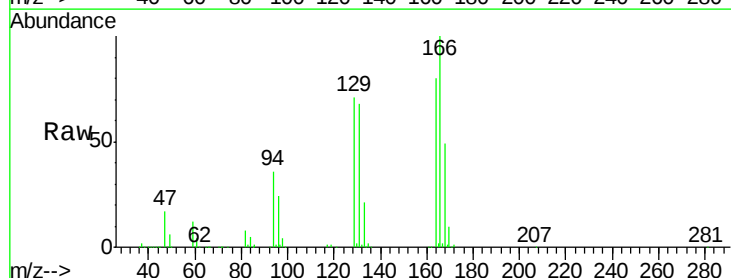
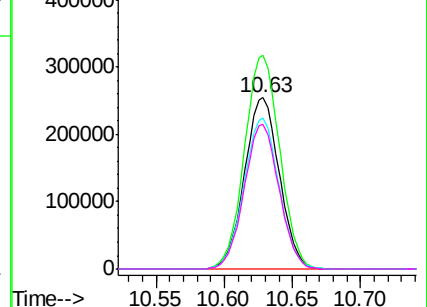
131 84.5 68.2 102.4

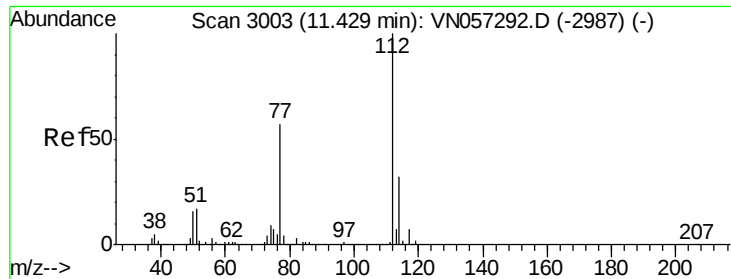
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





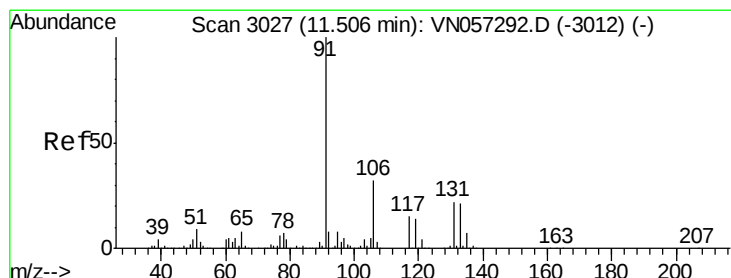
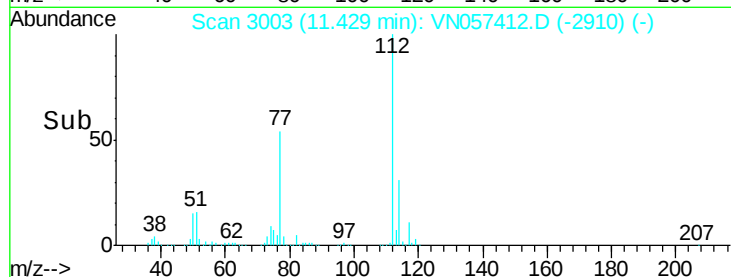
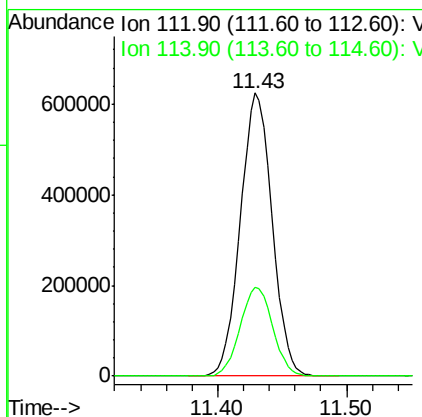
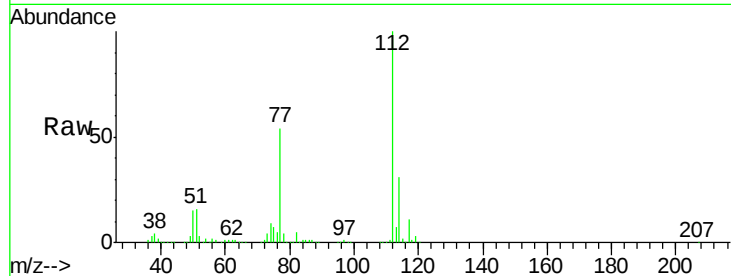
#65
Chlorobenzene
Concen: 47.996 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion:112 Resp: 1069807
Ion Ratio Lower Upper
112 100
114 31.4 25.7 38.5

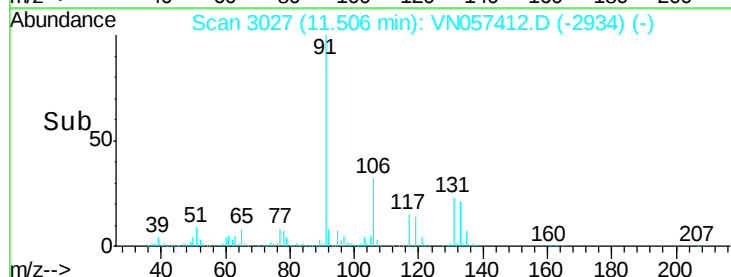
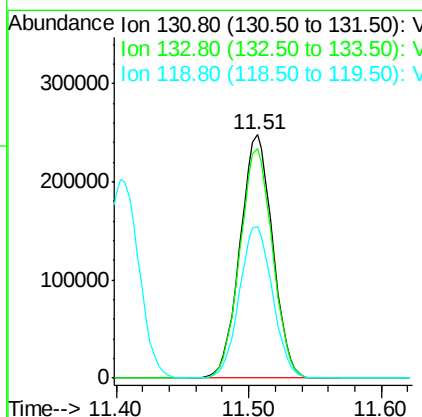
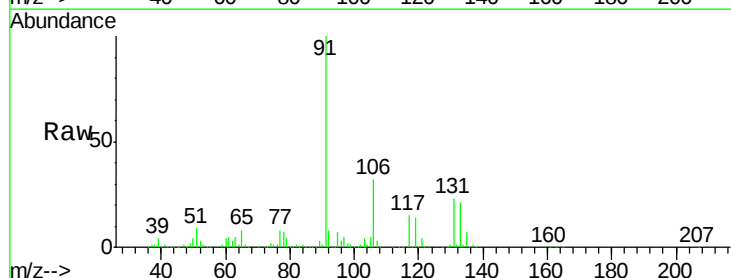
Manual Integrations
APPROVED

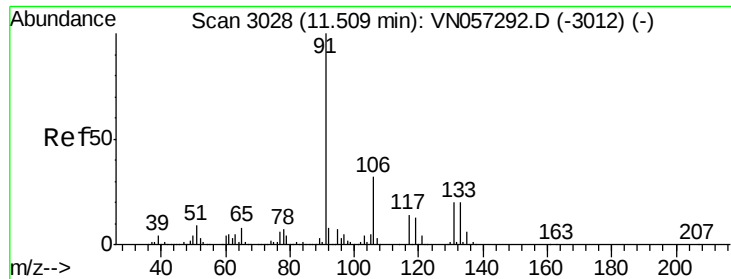
MMDadoda
8/21/2019 9:45:21 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.524 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Tgt Ion:131 Resp: 422755
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.8
119 63.4 32.0 96.2





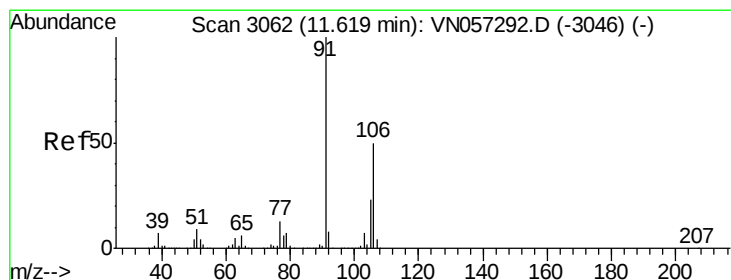
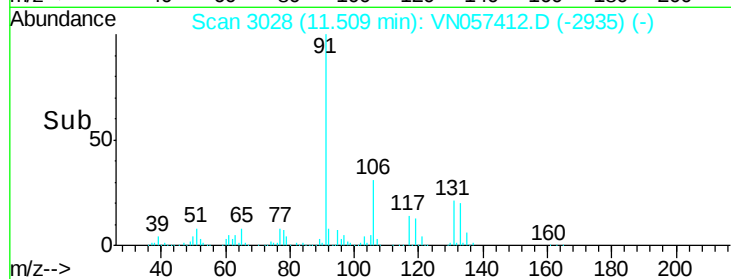
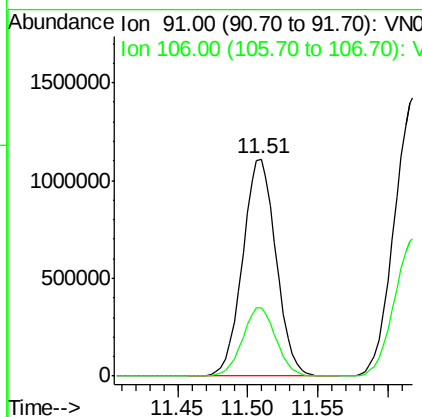
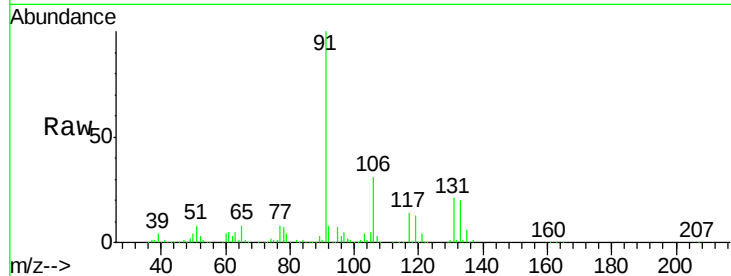
#67
Ethyl Benzene
Concen: 47.126 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1837742
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3

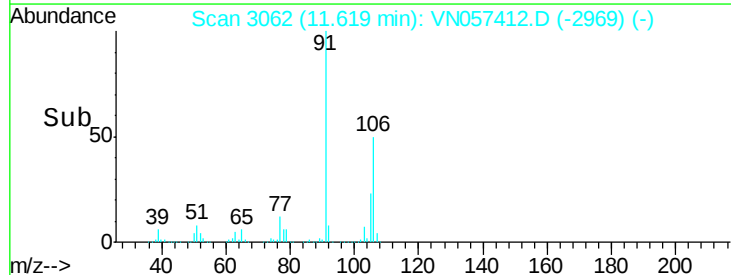
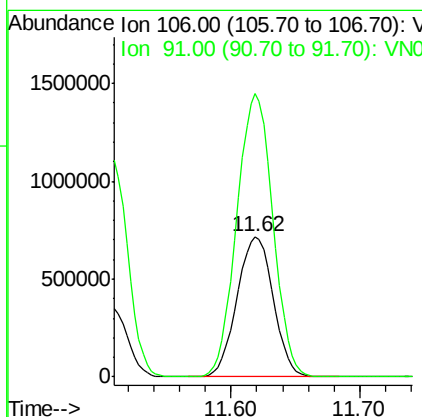
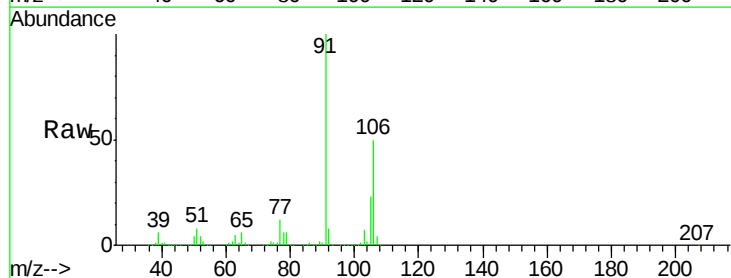
Manual Integrations
APPROVED

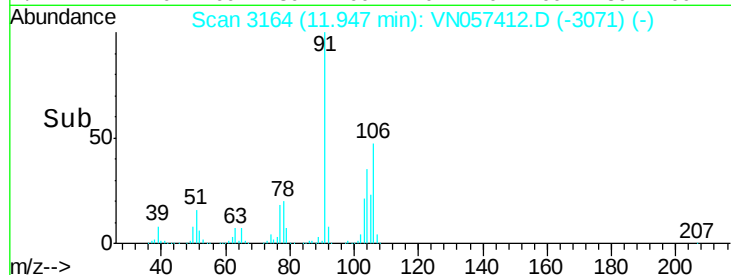
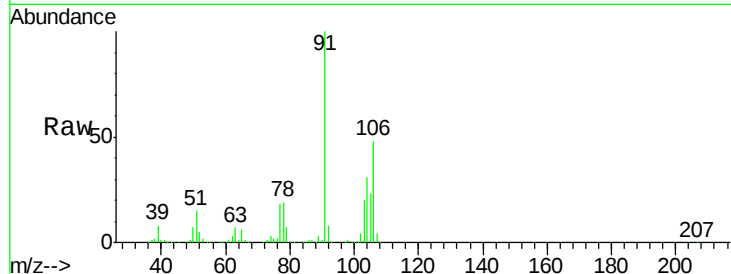
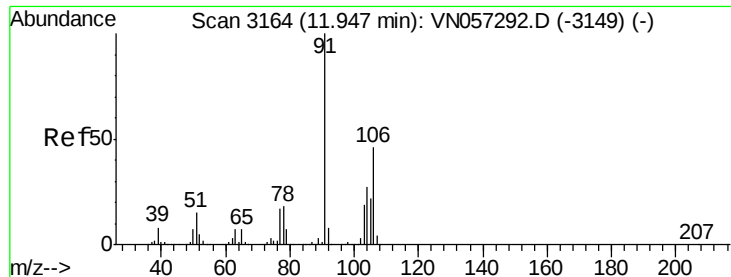
MMDadoda
8/21/2019 9:45:21 AM



#68
m/p-Xylenes
Concen: 97.489 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Tgt Ion: 106 Resp: 1400701
Ion Ratio Lower Upper
106 100
91 200.7 161.5 242.3





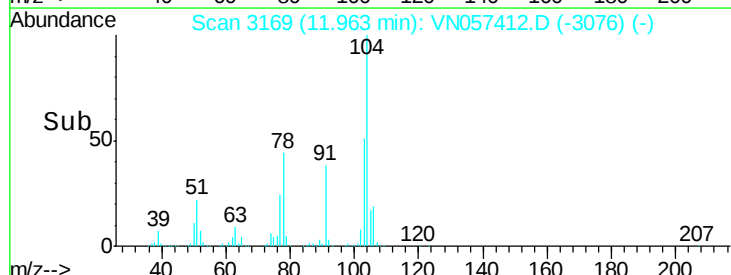
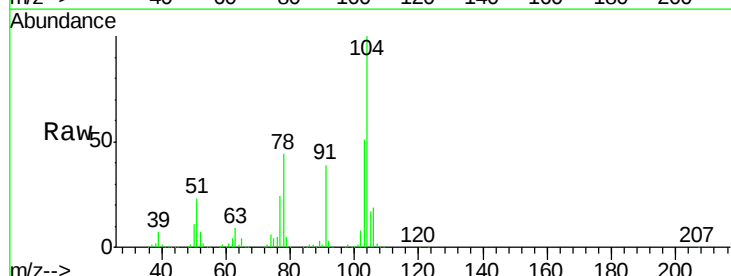
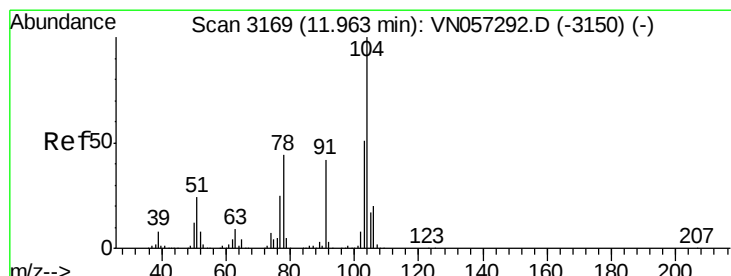
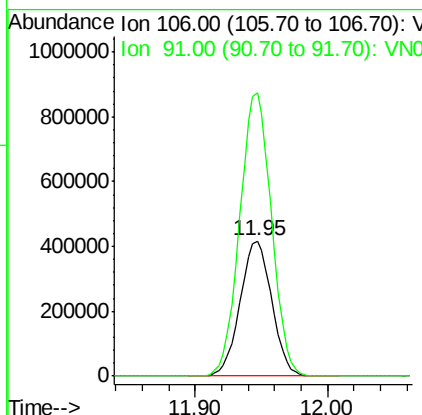
#69
o-Xylene
Concen: 48.987 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Tot Ion:106 Resp: 691073
Ion Ratio Lower Upper
106 100
91 209.4 106.3 319.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

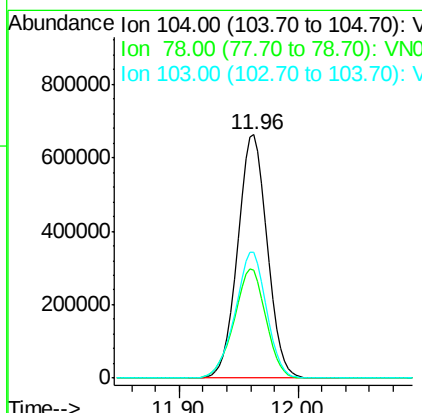
Manual Integrations
APPROVED

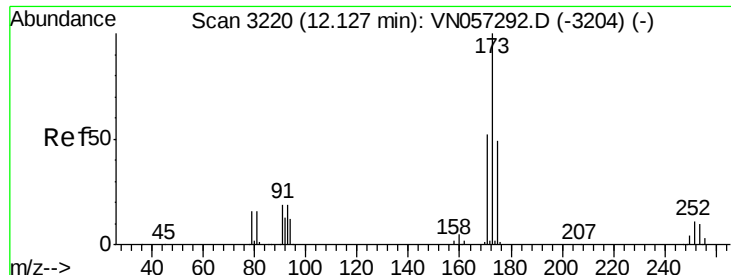
MMDadoda
8/21/2019 9:45:21 AM



#70
Styrene
Concen: 50.579 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Tgt Ion:104 Resp: 1137395
Ion Ratio Lower Upper
104 100
78 48.4 39.2 58.8
103 55.1 44.6 66.8





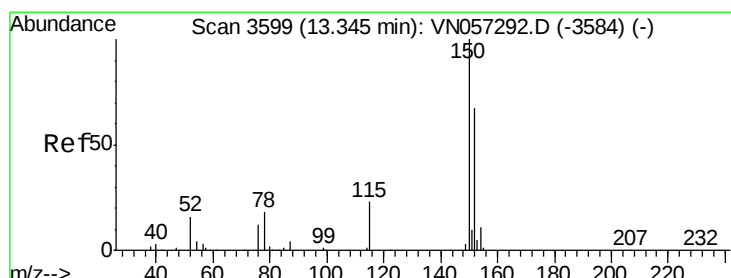
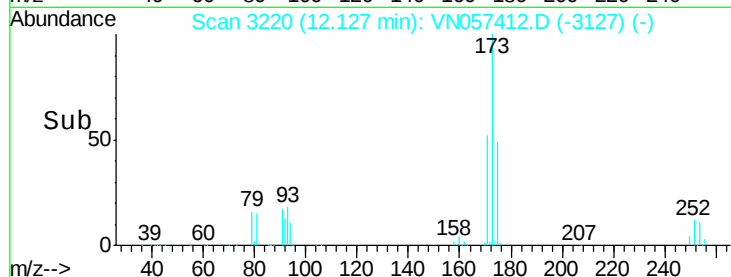
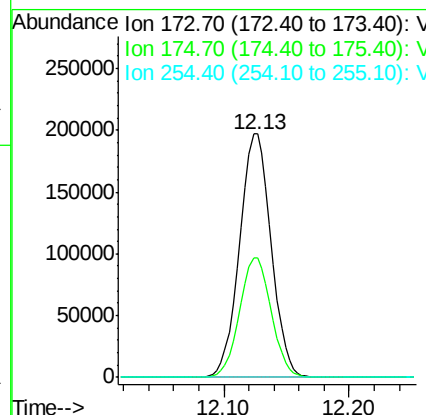
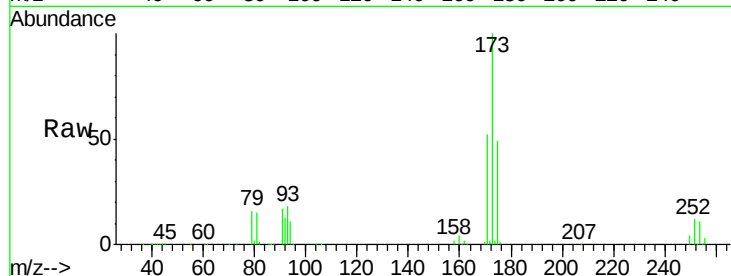
#71
Bromoform
Concen: 51.159 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.2	72.6
254	0.1	0.2	0.2

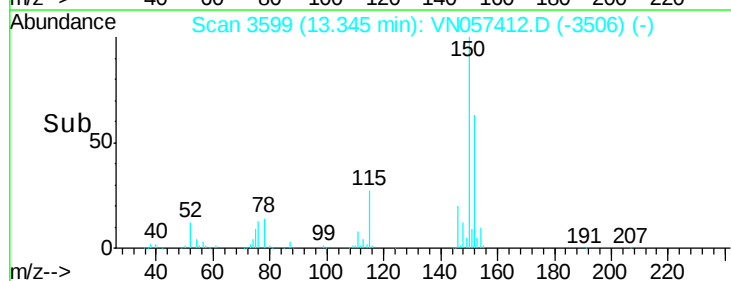
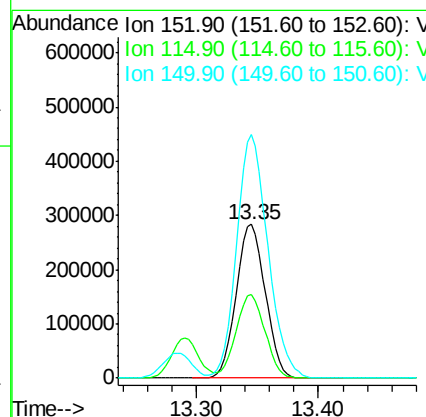
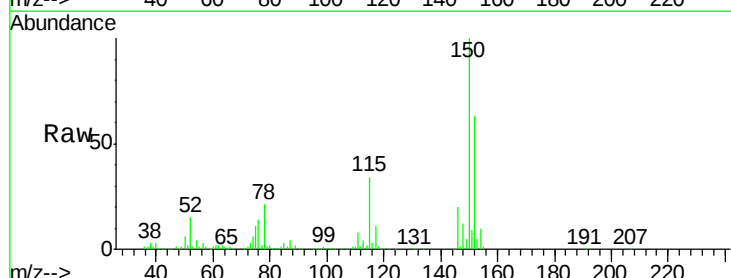
Manual Integrations
APPROVED

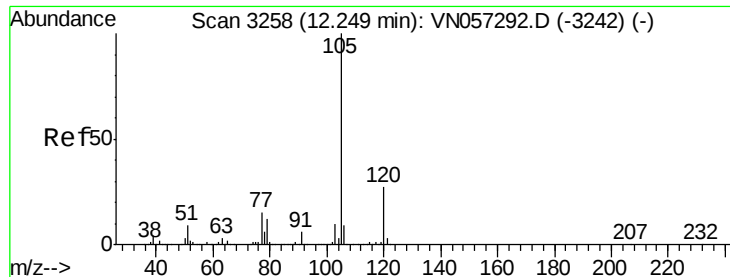
MMDadoda
8/21/2019 9:45:21 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.3	81.9
150	169.8	0.0	344.4





#73

Isopropylbenzene

Concen: 49.226 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1840230

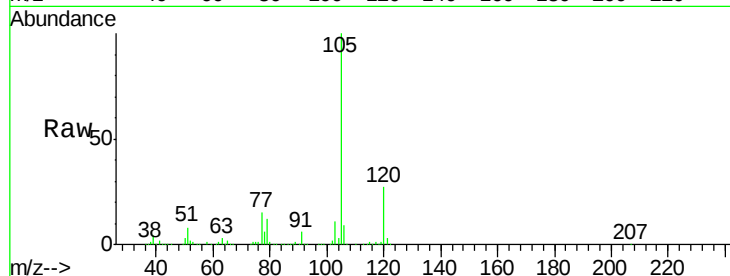
Ion Ratio Lower Upper

105 100

120 27.2 13.2 39.6

Manual Integrations
APPROVED

MMDadoda
8/21/2019 9:45:21 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

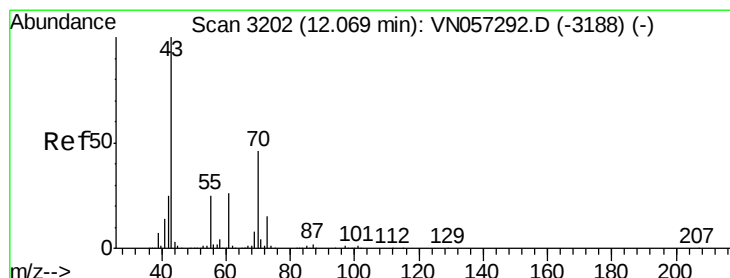
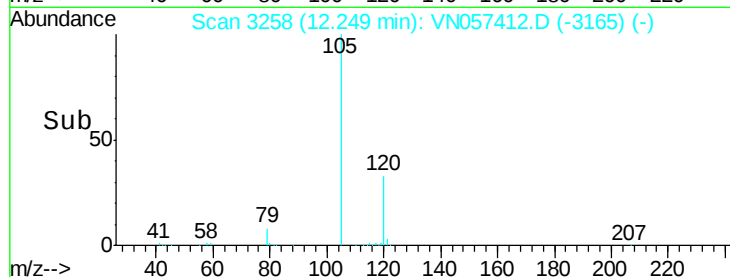
12.25

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 38.958 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Tgt Ion: 43 Resp: 530883

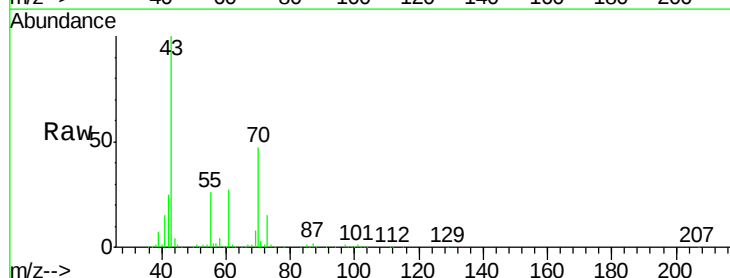
Ion Ratio Lower Upper

43 100

70 47.6 36.2 54.2

55 26.3 20.1 30.1

61 26.7 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

500000

400000

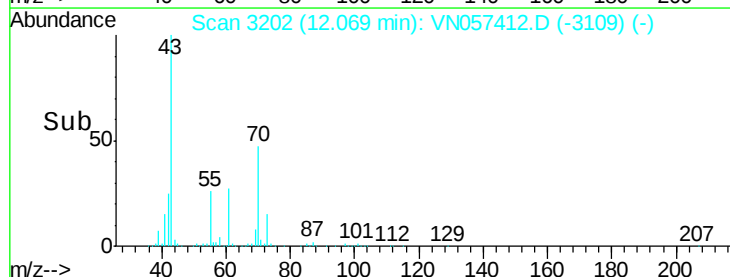
300000

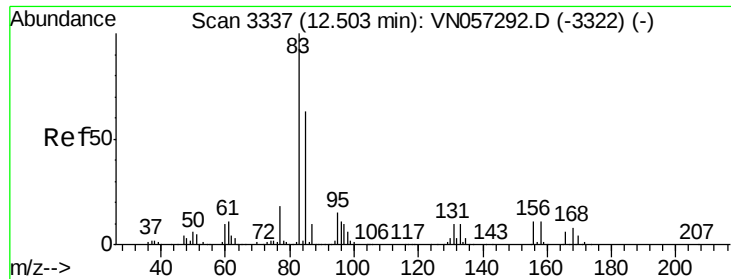
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.965 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

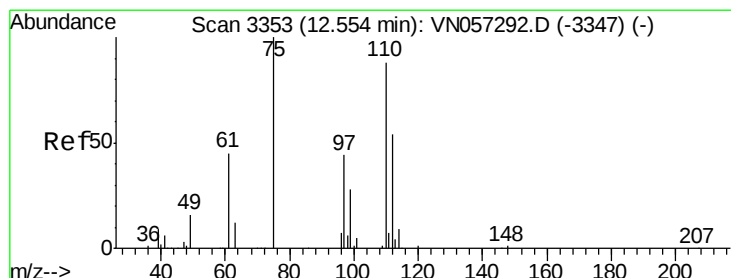
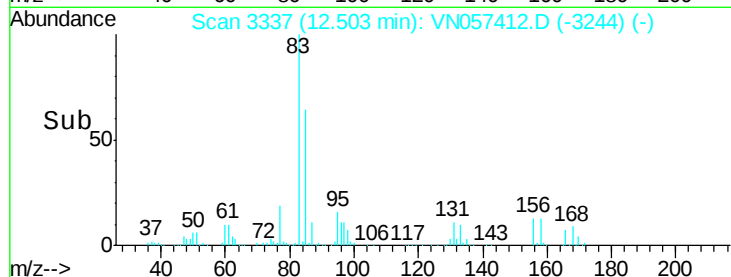
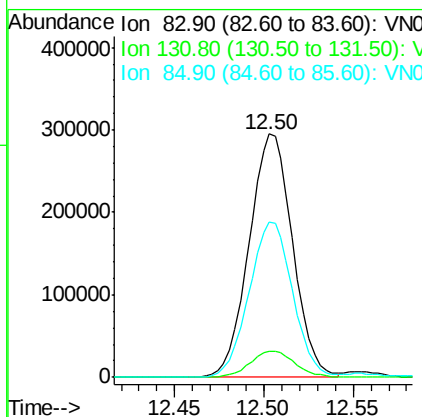
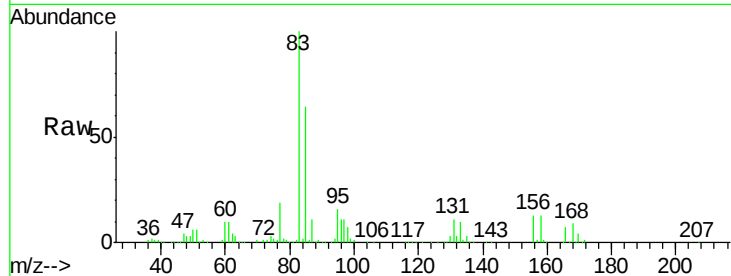
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	502580
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.4	16.2
85	63.8	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.837 ug/l m

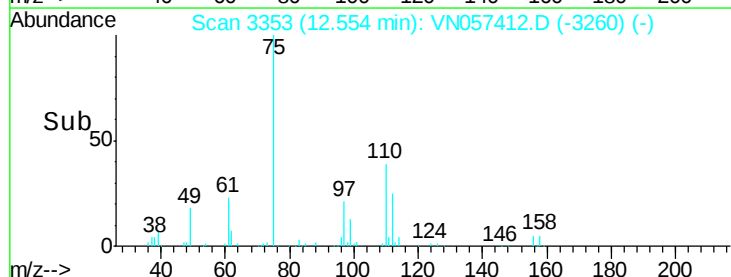
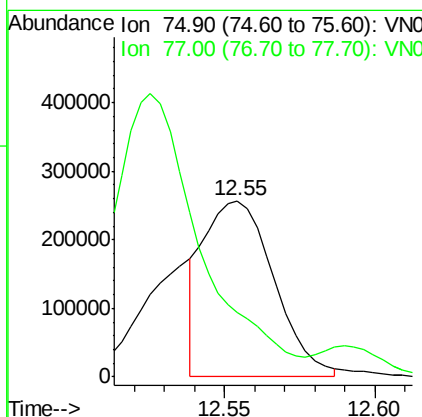
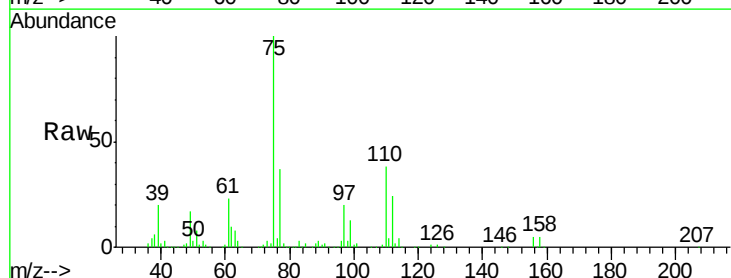
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Tgt Ion:	75	Resp:	416401
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.353 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

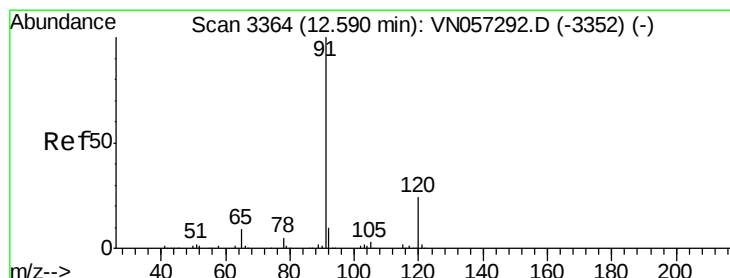
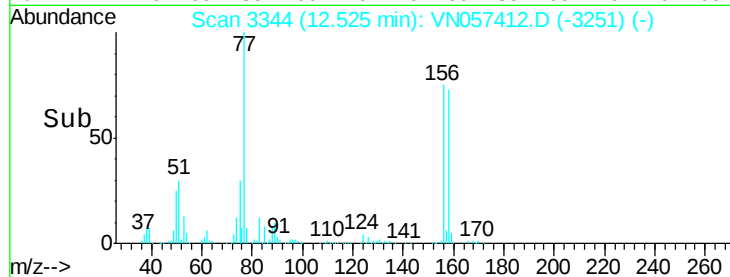
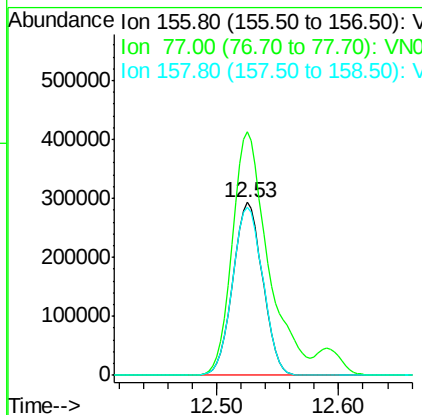
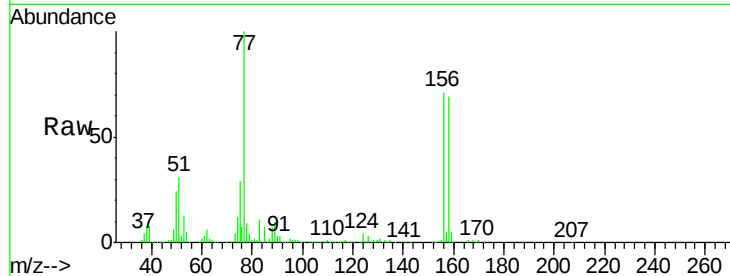
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	497051
Ion Ratio	Lower	Upper	
156	100		
77	169.8	89.8	269.6
158	99.3	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 43.660 ug/l

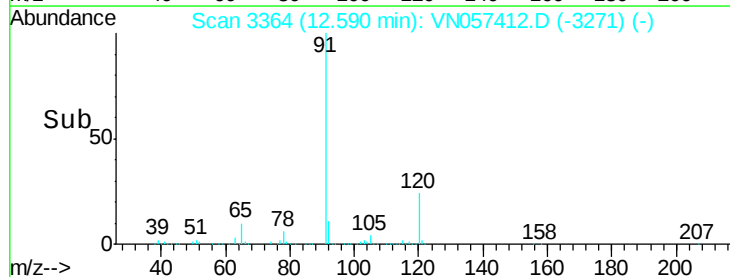
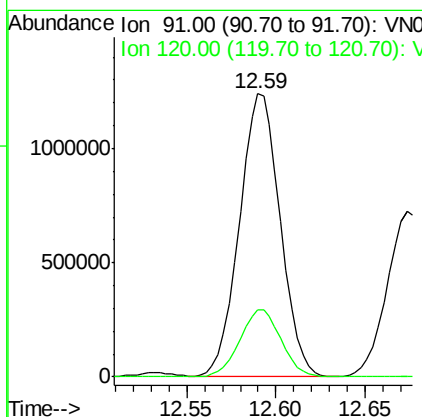
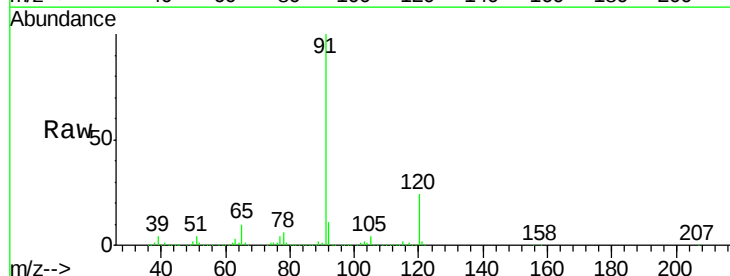
RT: 12.59 min Scan# 3364

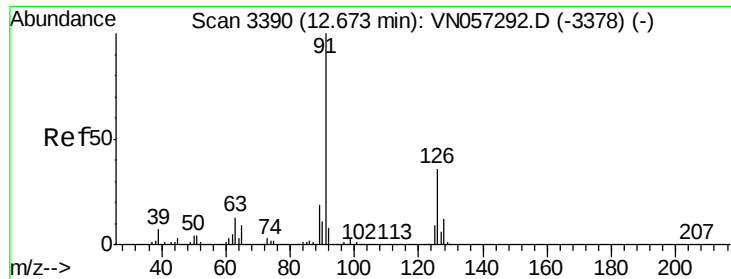
Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Tgt Ion:	91	Resp:	1974380
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.9	35.7





#79

2-Chlorotoluene

Concen: 48.365 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1197642

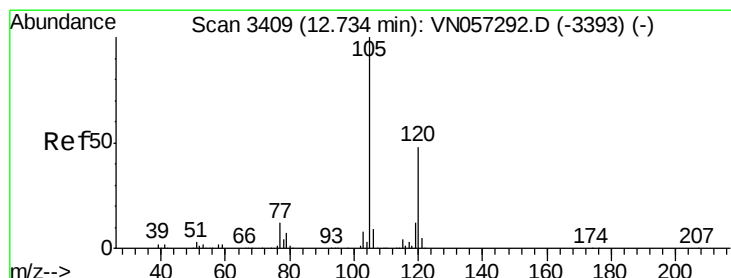
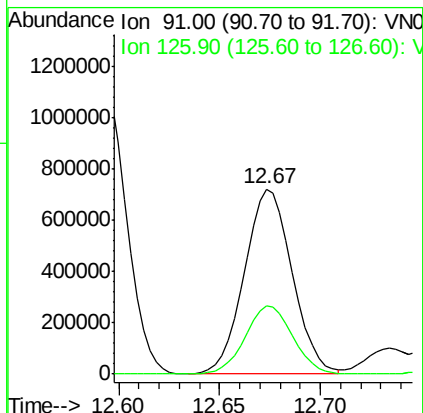
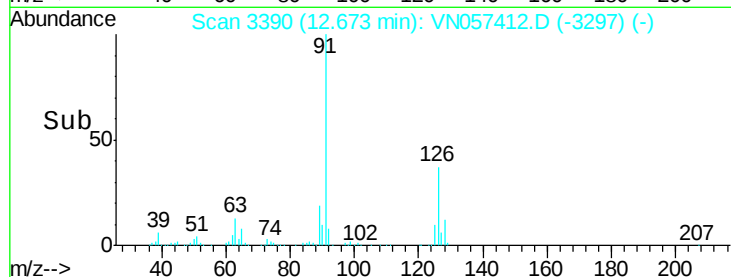
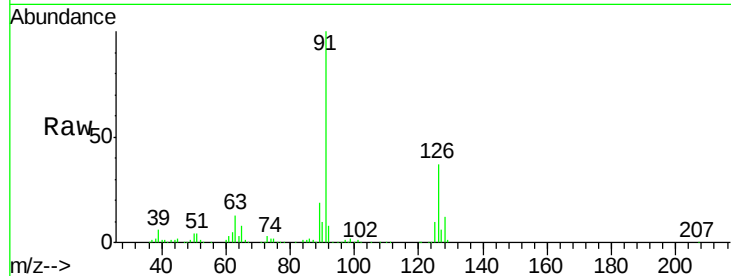
Ion Ratio Lower Upper

91 100

126 36.8 18.1 54.1

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#80

1,3,5-Trimethylbenzene

Concen: 49.200 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057412.D

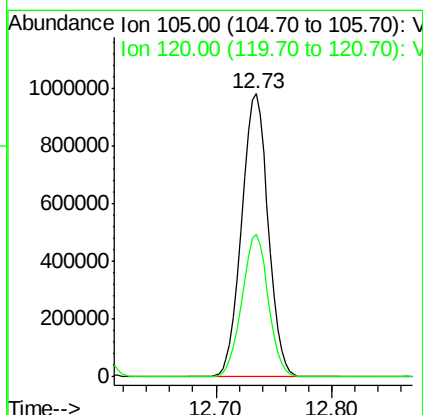
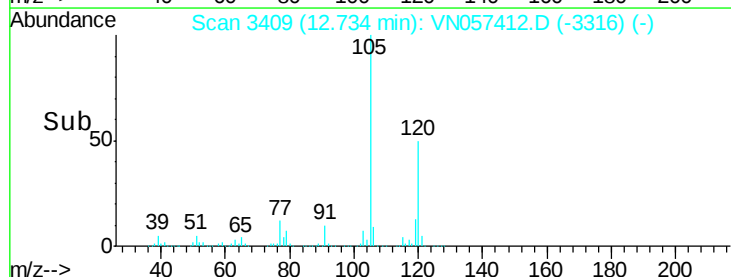
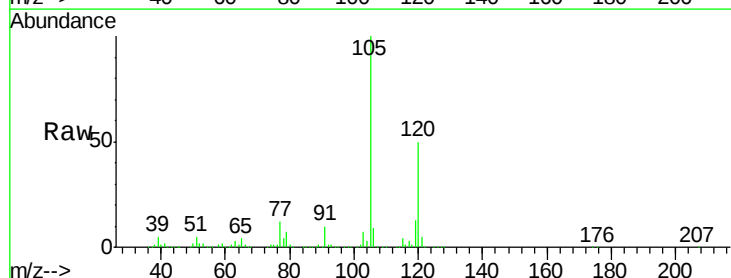
Acq: 19 Aug 2019 19:59

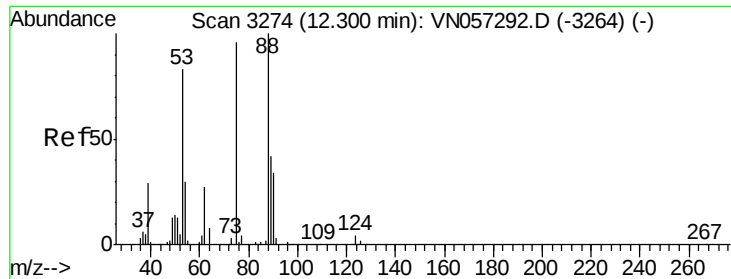
Tgt Ion: 105 Resp: 1557863

Ion Ratio Lower Upper

105 100

120 50.0 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 42.295 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

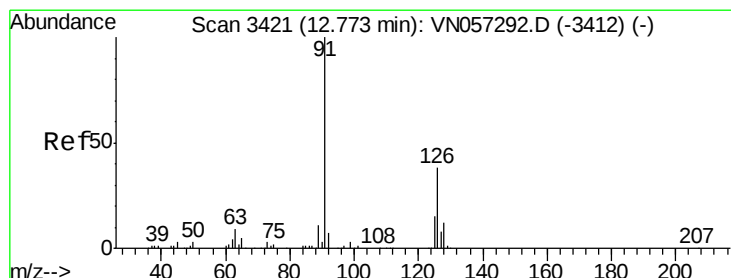
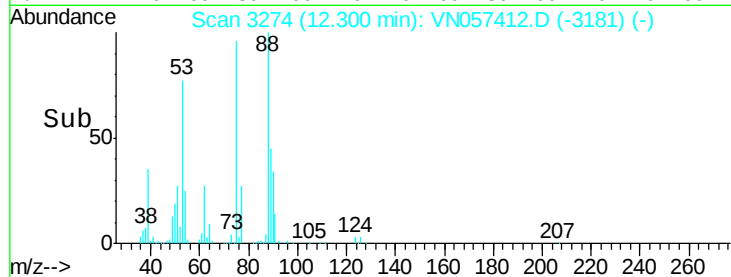
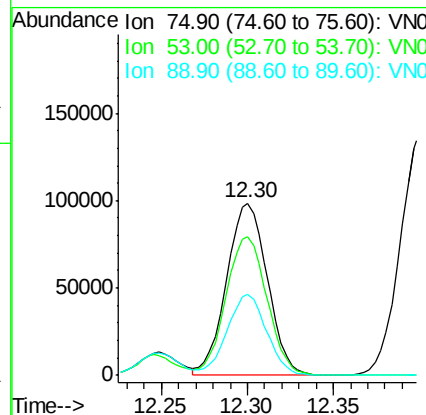
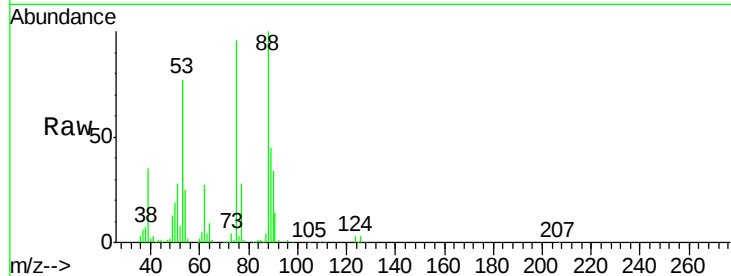
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	162887
Ion	Ratio	Lower	Upper
75	100		
53	81.1	67.9	101.9
89	45.4	36.2	54.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 43.590 ug/l

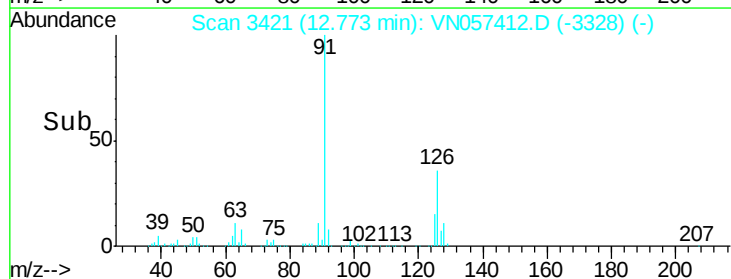
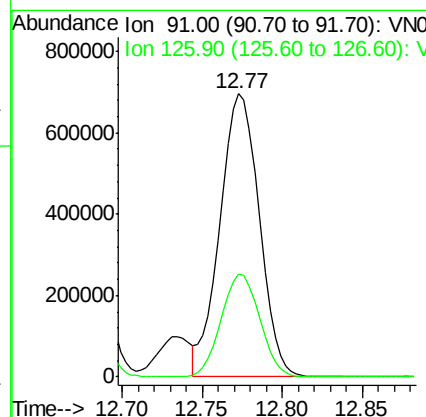
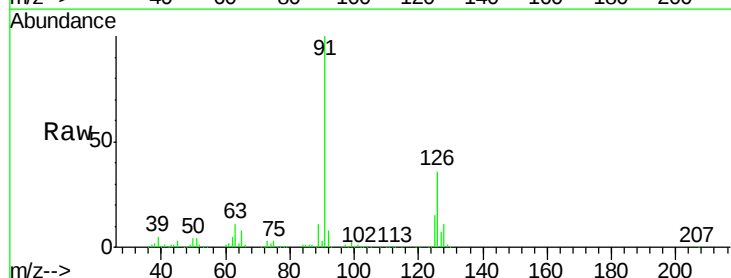
RT: 12.77 min Scan# 3421

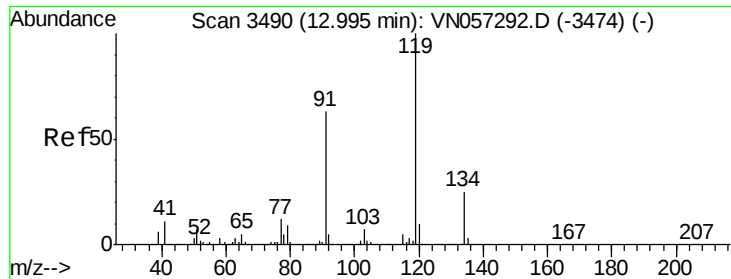
Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Tgt Ion:	91	Resp:	1168101
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.3	51.7





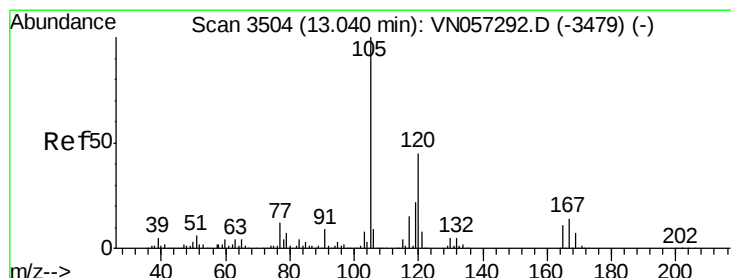
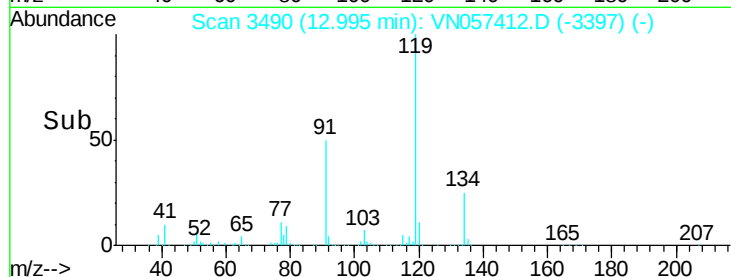
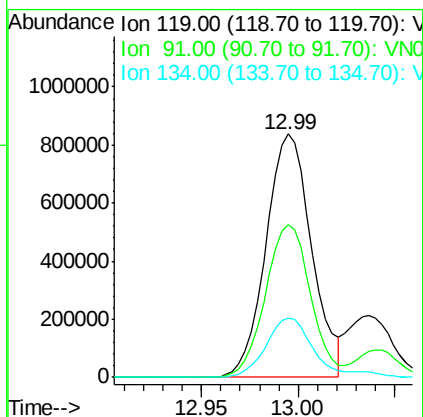
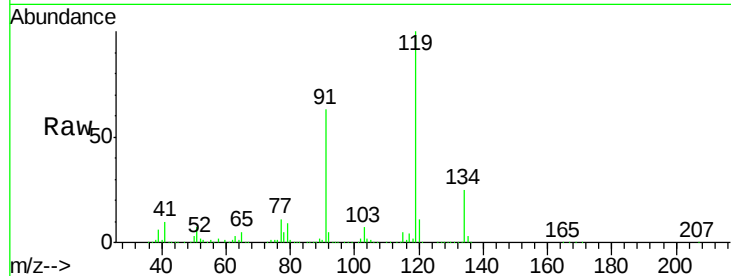
#83
tert-Butylbenzene
Concen: 49.696 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.3	93.8
134	26.0	13.1	39.1

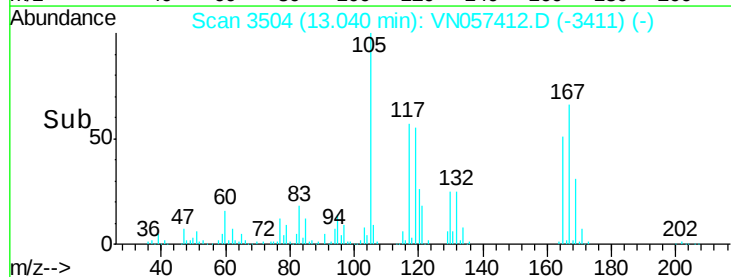
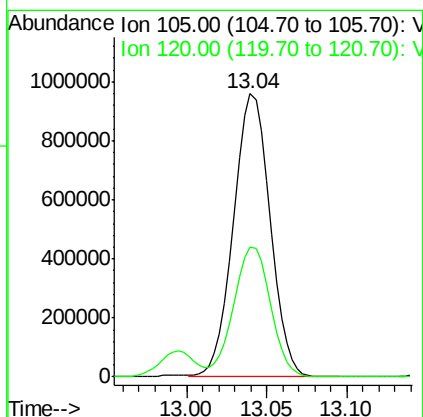
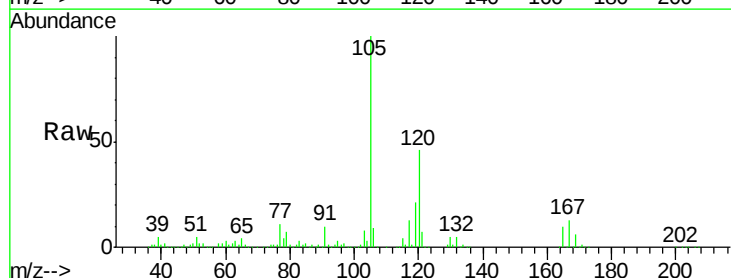
Manual Integrations
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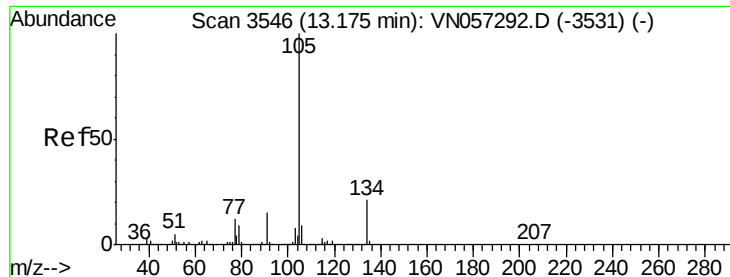
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#84
1,2,4-Trimethylbenzene
Concen: 44.127 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.6	67.7





#85

sec-Butylbenzene

Concen: 48.385 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1720668

Ion Ratio Lower Upper

105 100

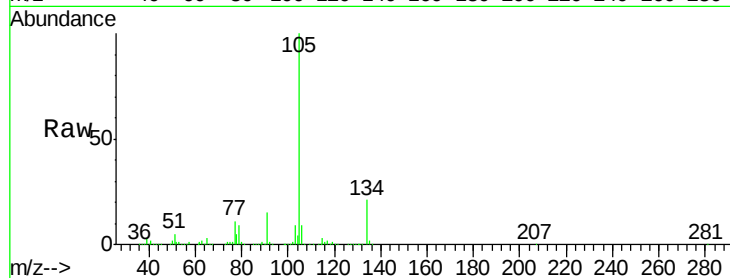
134 21.1 10.4 31.2

Manual Integrations

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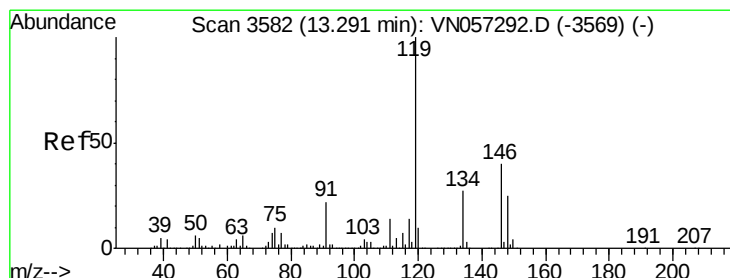
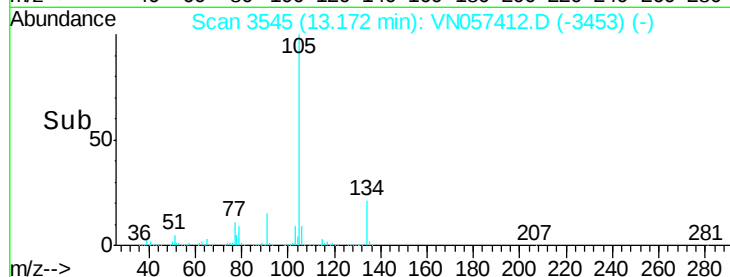
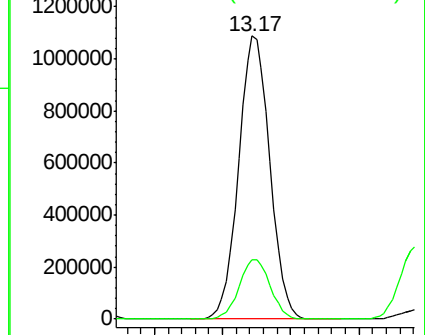
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.450 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057412.D

Acq: 19 Aug 2019 19:59

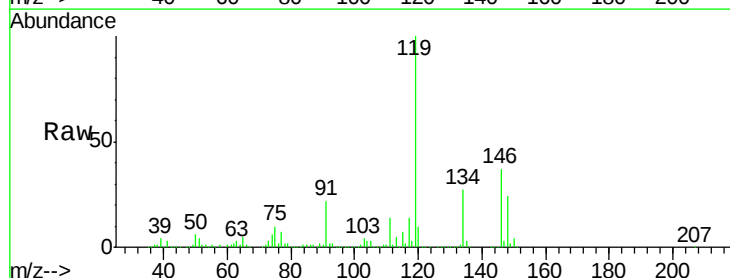
Tgt Ion:119 Resp: 1573924

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

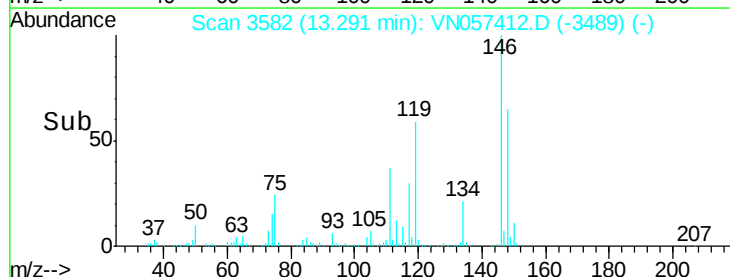
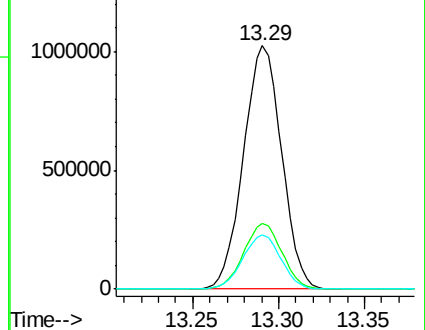
91 22.3 11.2 33.5

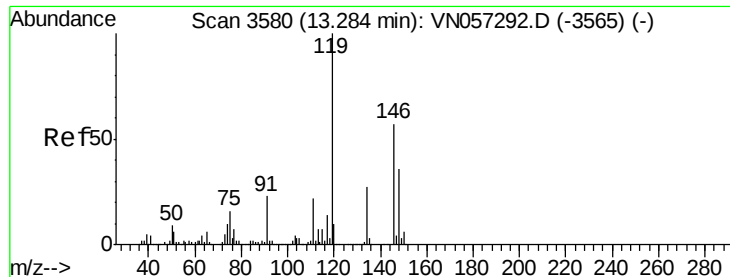


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





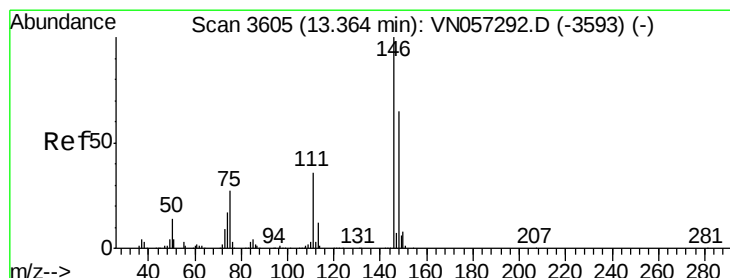
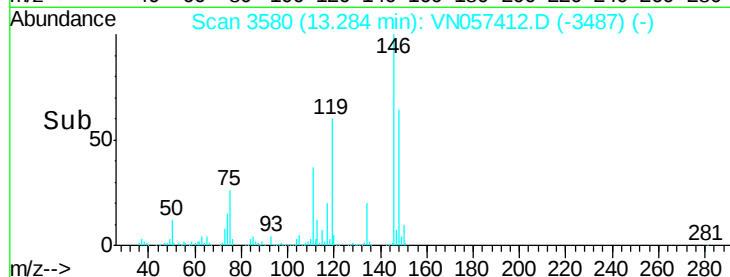
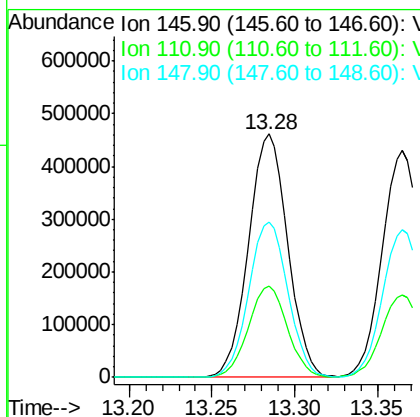
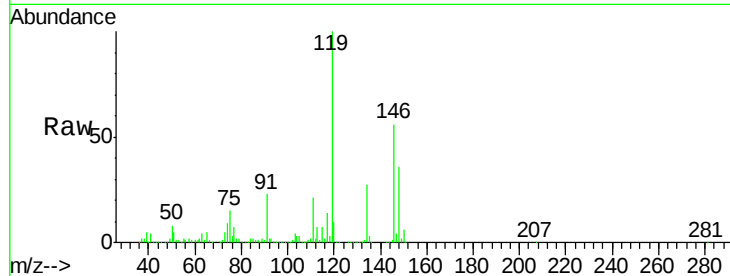
#87
 1,3-Dichlorobenzene
 Concen: 46.188 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057412.D
 Acq: 19 Aug 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.7	56.1
148	64.2	31.7	95.1

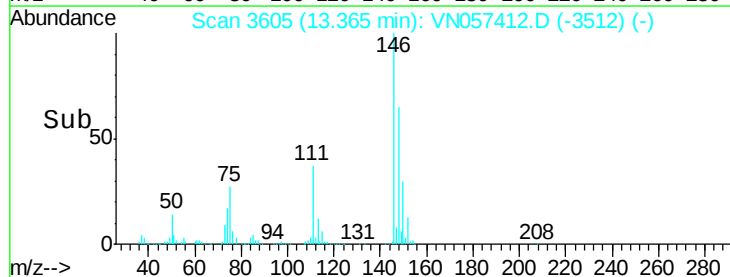
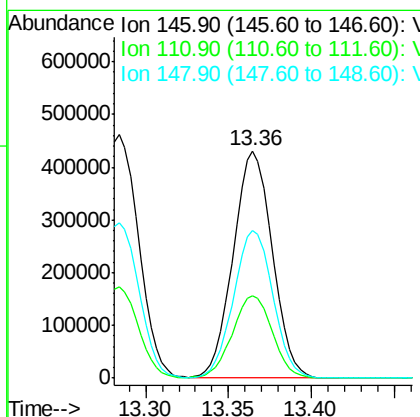
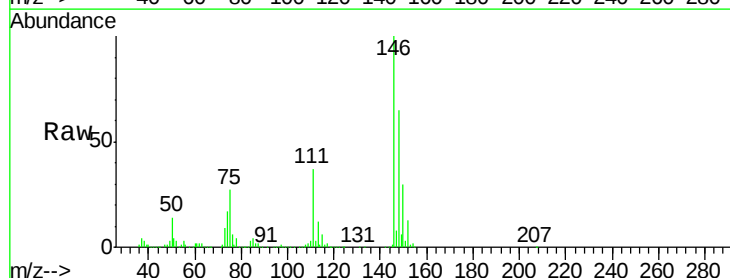
Manual Integrations
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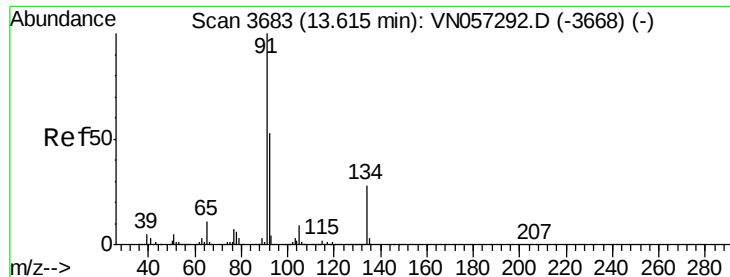
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#88
 1,4-Dichlorobenzene
 Concen: 45.291 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057412.D
 Acq: 19 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.4
148	65.3	32.5	97.4





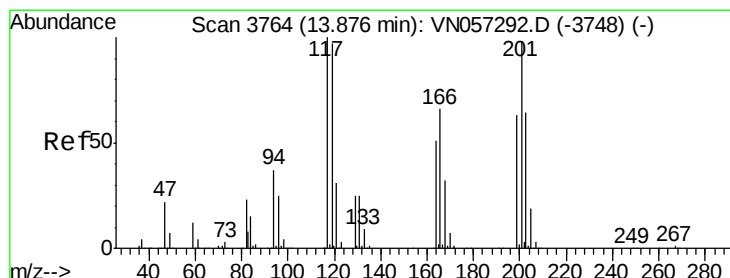
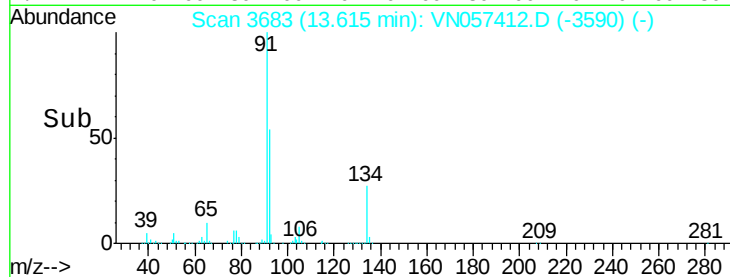
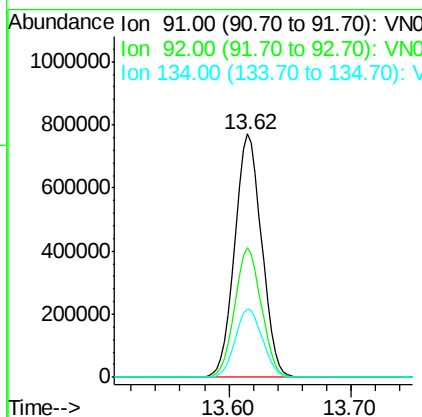
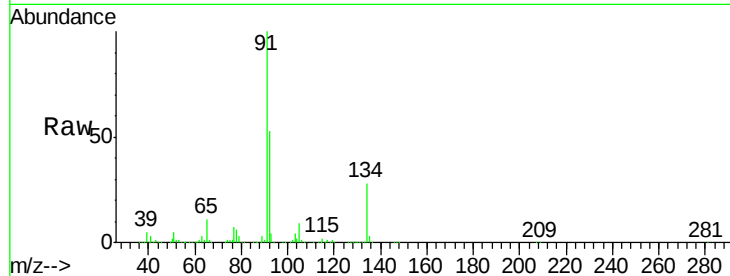
#89
n-Butylbenzene
Concen: 47.701 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.6
134	28.4	13.9	41.7

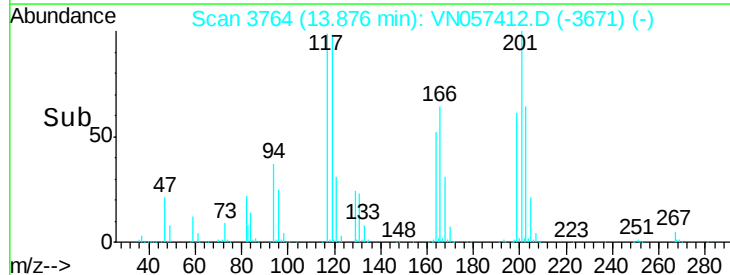
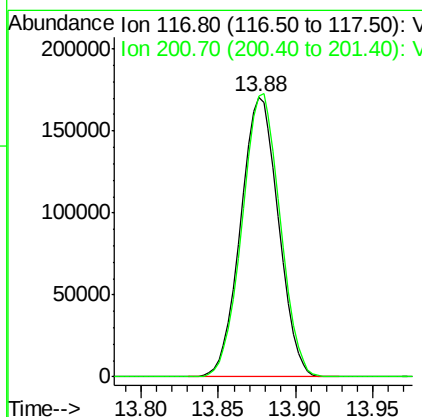
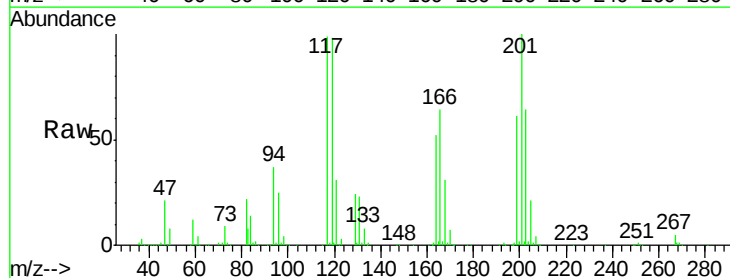
Manual Integrations
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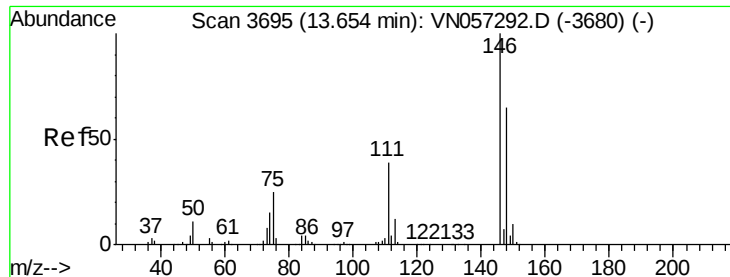
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#90
Hexachloroethane
Concen: 49.215 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.3	48.4	145.0





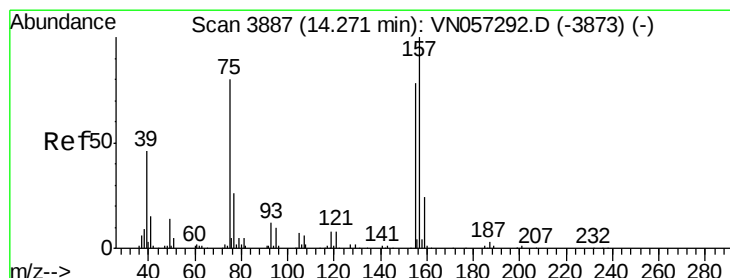
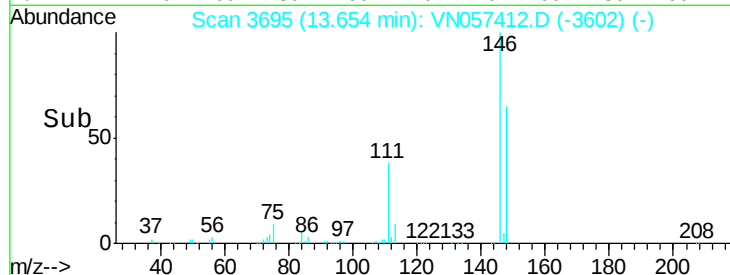
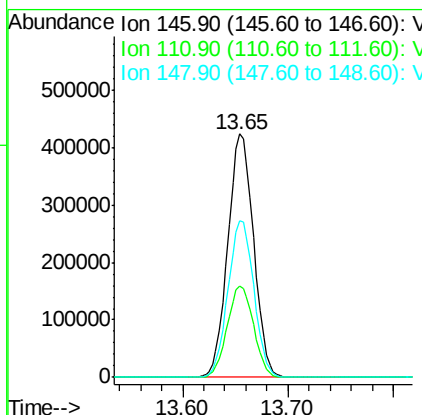
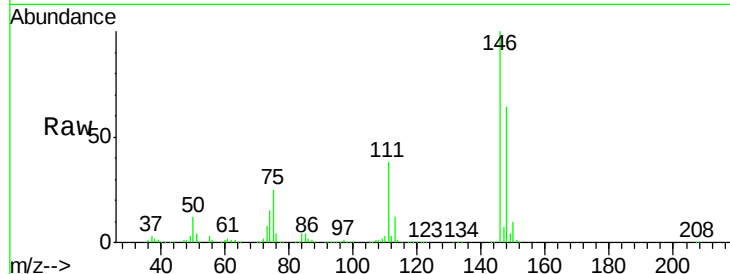
#91
 1,2-Dichlorobenzene
 Concen: 46.631 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057412.D
 Acq: 19 Aug 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.1
148	64.7	32.0	96.0

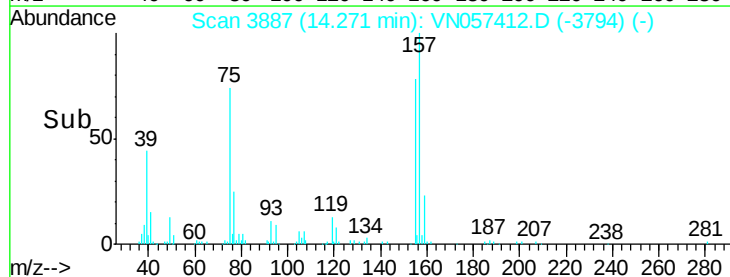
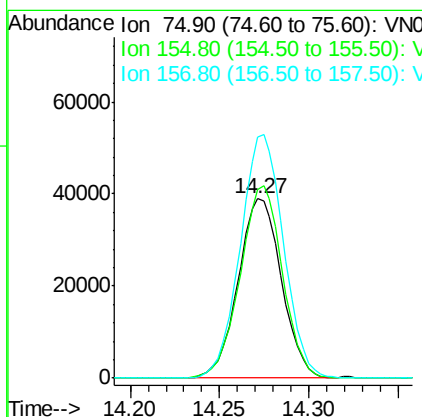
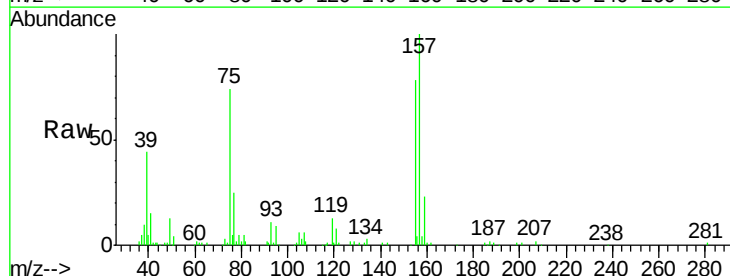
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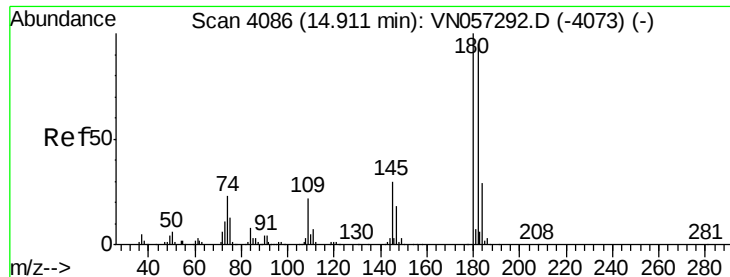
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.320 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057412.D
 Acq: 19 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.6	49.6	148.8
157	135.6	63.7	191.1





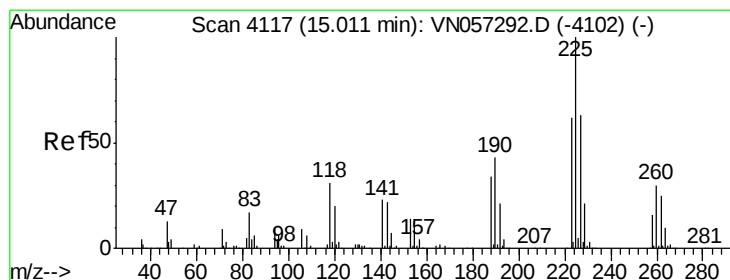
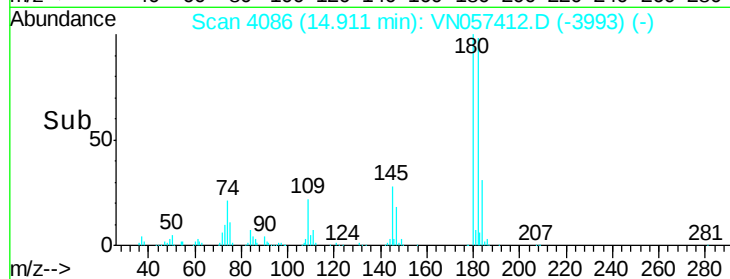
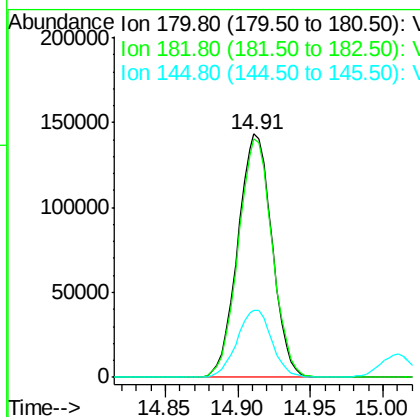
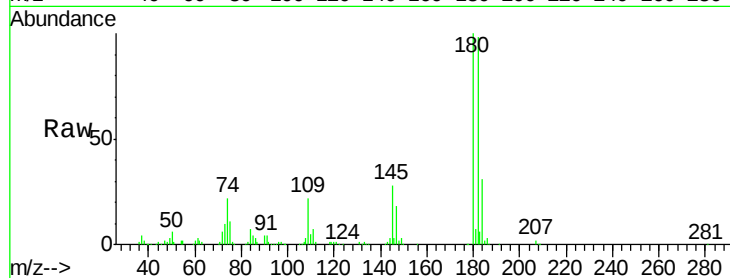
#93
 1,2,4-Trichlorobenzene
 Concen: 39.459 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057412.D
 Acq: 19 Aug 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	234276		
182	97.6	48.0	144.2	
145	28.1	14.5	43.6	

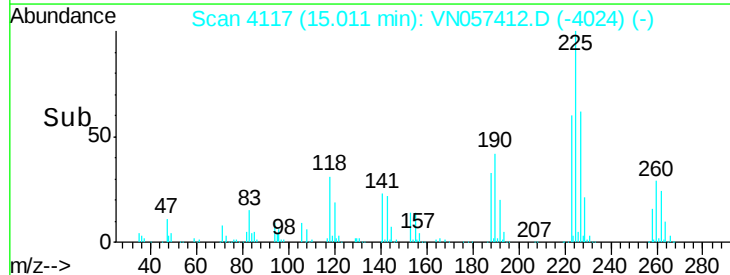
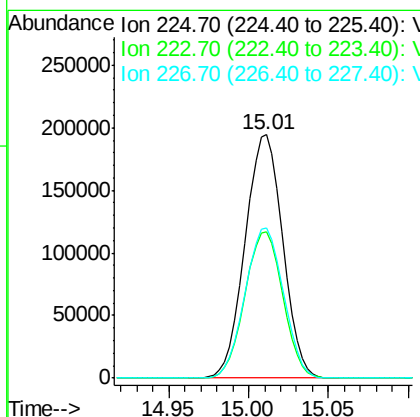
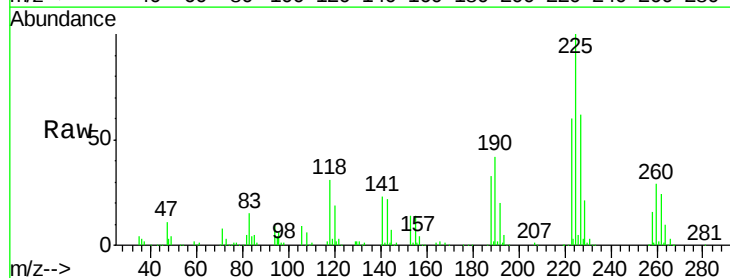
Manual Integrations
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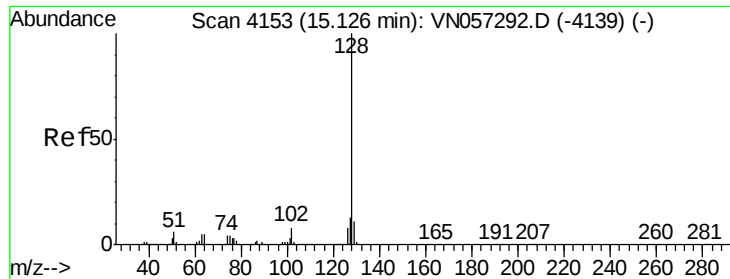
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#94
 Hexachlorobutadiene
 Concen: 53.375 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057412.D
 Acq: 19 Aug 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	312083		
223	60.6	30.7	92.1	
227	62.9	30.9	92.7	





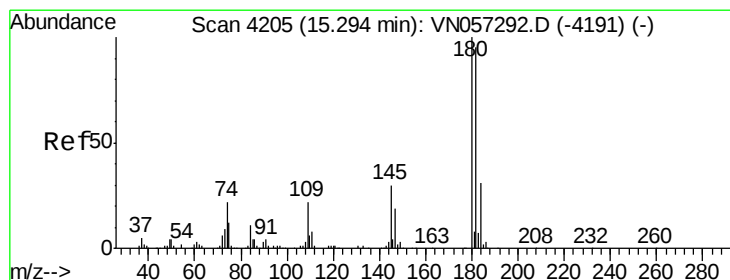
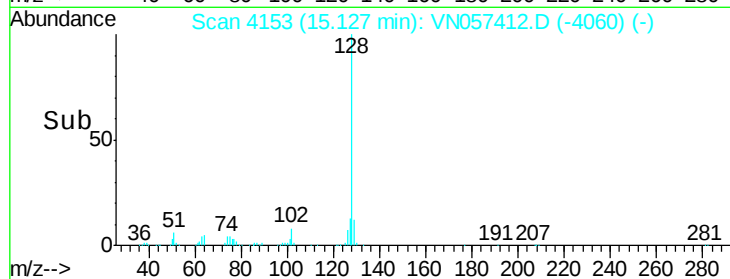
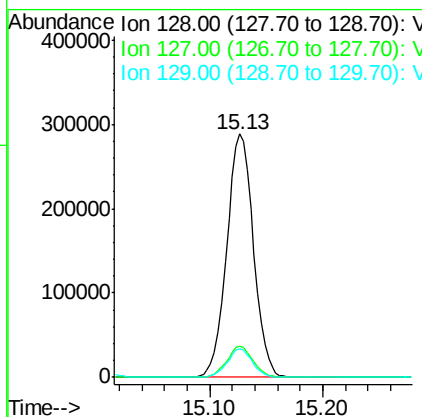
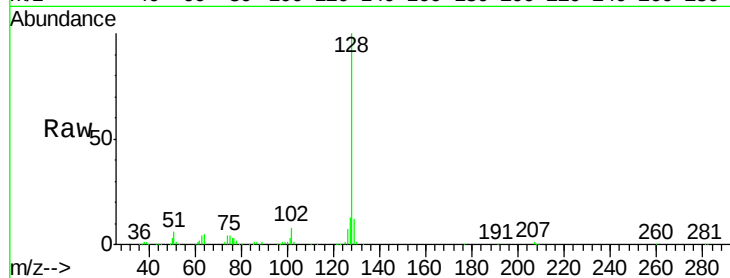
#95
Naphthalene
Concen: 50.245 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	11.1	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.488 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057412.D
Acq: 19 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.9	143.6
145	29.1	15.1	45.3

