

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073119\
 Data File : VN057021.D
 Acq On : 31 Jul 2019 17:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 8/2/2019 10:54:23 PM

Quant Time: Aug 01 02:18:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	441923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	661854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	586485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	256778	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	256494	56.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.40%	
35) Dibromofluoromethane	7.58	113	233509	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	
50) Toluene-d8	10.08	98	891420	55.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.34%	
62) 4-Bromofluorobenzene	12.40	95	290580	55.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	237788	53.225	ug/l	97
3) Chloromethane	2.05	50	263183	49.196	ug/l	99
4) Vinyl Chloride	2.18	62	249220	49.682	ug/l	99
5) Bromomethane	2.54	94	142633	45.738	ug/l	99
6) Chloroethane	2.69	64	136878	49.500	ug/l	99
7) Trichlorofluoromethane	3.00	101	337722	51.432	ug/l	97
8) Diethyl Ether	3.40	74	130124	52.950	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	205631	50.510	ug/l	98
10) Methyl Iodide	3.94	142	294587	54.153	ug/l	99
11) Tert butyl alcohol	4.77	59	169599	277.367	ug/l	99
12) 1,1-Dichloroethene	3.72	96	198348	51.062	ug/l	99
13) Acrolein	3.60	56	72719	231.653	ug/l	99
14) Allyl chloride	4.31	41	325852	51.569	ug/l	98
15) Acrylonitrile	4.97	53	496698	276.999	ug/l	99
16) Acetone	3.81	43	389015	237.372	ug/l	97
17) Carbon Disulfide	4.04	76	487821	47.261	ug/l	100
18) Methyl Acetate	4.31	43	272422	52.108	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	632435	54.603	ug/l	98
20) Methylene Chloride	4.54	84	233862	49.539	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	212189	51.434	ug/l	98
22) Diisopropyl ether	5.94	45	679854	52.220	ug/l	97
23) Vinyl Acetate	5.88	43	2449841	271.590	ug/l	99
24) 1,1-Dichloroethane	5.83	63	399491	52.008	ug/l	100
25) 2-Butanone	6.82	43	609439	262.251	ug/l	99
26) 2,2-Dichloropropane	6.81	77	294392	50.404	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	251031	51.447	ug/l	99
28) Bromochloromethane	7.18	49	192856	53.414	ug/l	99
29) Tetrahydrofuran	7.20	42	406948	268.399	ug/l	99
30) Chloroform	7.36	83	397887	50.662	ug/l	100
31) Cyclohexane	7.64	56	353834	47.602	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	334500	53.380	ug/l	99
36) 1,1-Dichloropropene	7.78	75	293554	50.406	ug/l	99
37) Ethyl Acetate	6.92	43	243948	52.300	ug/l	98
38) Carbon Tetrachloride	7.76	117	290135	52.667	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	361692	48.592	ug/l	99
40) Benzene	8.03	78	909255	50.690	ug/l	99
41) Methacrylonitrile	7.16	41	117493	54.488	ug/l	92
42) 1,2-Dichloroethane	8.11	62	291153	51.790	ug/l	98
43) Isopropyl Acetate	8.16	43	439232	56.973	ug/l #	89
44) Trichloroethene	8.83	130	250723	50.735	ug/l	100
45) 1,2-Dichloropropane	9.11	63	242493	50.541	ug/l	100
46) Dibromomethane	9.20	93	154212	53.296	ug/l	98
47) Bromodichloromethane	9.39	83	305419	53.687	ug/l	100
48) Methyl methacrylate	9.19	41	205650	55.251	ug/l	100
49) 1,4-Dioxane	9.19	88	83864	1093.339	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1238703	270.420	ug/l	99
52) Toluene	10.15	92	566081	52.526	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	314652	53.300	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	365209	53.206	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	224064	51.843	ug/l	99
56) Ethyl methacrylate	10.42	69	327046	50.103	ug/l	100
57) 1,3-Dichloropropane	10.70	76	371548	51.843	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	593041	228.978	ug/l	99
59) 2-Hexanone	10.74	43	869723	246.586	ug/l	99
60) Dibromochloromethane	10.89	129	243672	55.031	ug/l	98
61) 1,2-Dibromoethane	11.00	107	231403	54.864	ug/l	99
64) Tetrachloroethene	10.62	164	263222	52.082	ug/l	98
65) Chlorobenzene	11.43	112	608837	50.934	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	235856	52.423	ug/l	99
67) Ethyl Benzene	11.51	91	1062407	51.426	ug/l	99
68) m/p-Xylenes	11.62	106	803020	105.323	ug/l	99
69) o-Xylene	11.94	106	395311	52.996	ug/l	99
70) Styrene	11.96	104	656758	49.820	ug/l	100
71) Bromoform	12.12	173	175136	55.756	ug/l #	100
73) Isopropylbenzene	12.25	105	1050089	47.319	ug/l	100
74) N-amyl acetate	12.07	43	331304	51.415	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	294976	52.727	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	247618m	47.484	ug/l	
77) Bromobenzene	12.52	156	279167	48.199	ug/l	99
78) n-propylbenzene	12.59	91	1145795	48.356	ug/l	99
79) 2-Chlorotoluene	12.67	91	685206	46.963	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	886703	48.684	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	87715	54.044	ug/l	98
82) 4-Chlorotoluene	12.77	91	674880	49.427	ug/l	100
83) tert-Butylbenzene	12.99	119	772747	47.927	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	863141	49.251	ug/l	99
85) sec-Butylbenzene	13.17	105	997073	47.943	ug/l	99
86) p-Isopropyltoluene	13.29	119	910900	49.333	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	439662	49.904	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	423519	49.935	ug/l	100
89) n-Butylbenzene	13.61	91	711036	49.966	ug/l	99
90) Hexachloroethane	13.87	117	153585	48.307	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	436091	50.293	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47675	54.014	ug/l	98

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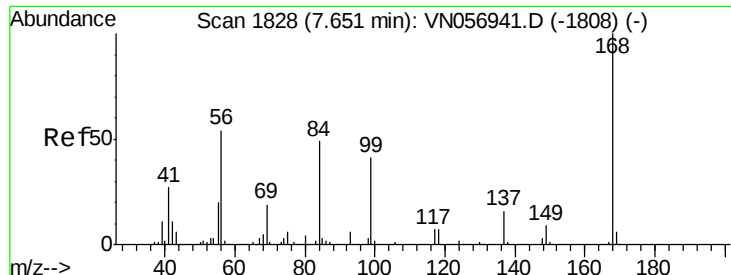
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	193537	43.631	ug/l	99
94) Hexachlorobutadiene	15.00	225	164983	54.788	ug/l	99
95) Naphthalene	15.12	128	503478	46.424	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	216464	47.974	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 441923

Ion Ratio Lower Upper

168 100

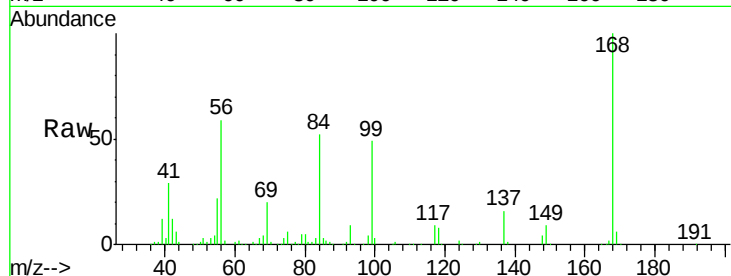
99 49.2 39.0 58.4

Manual Integrations

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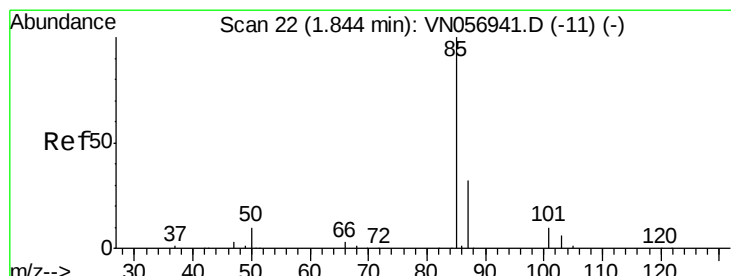
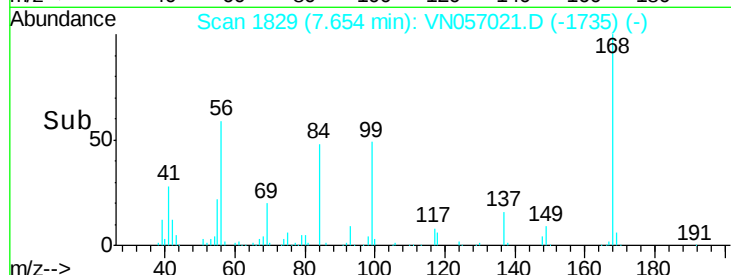
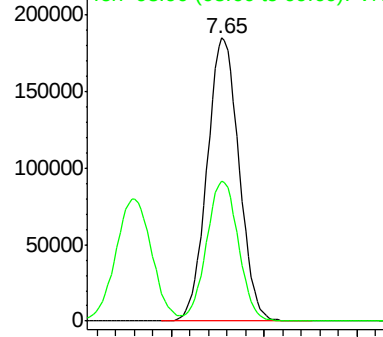
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 53.225 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057021.D

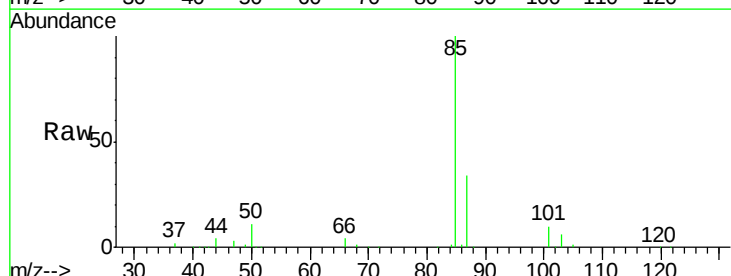
Acq: 31 Jul 2019 17:47

Tgt Ion: 85 Resp: 237788

Ion Ratio Lower Upper

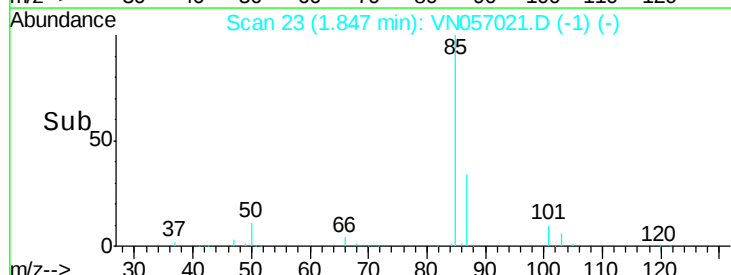
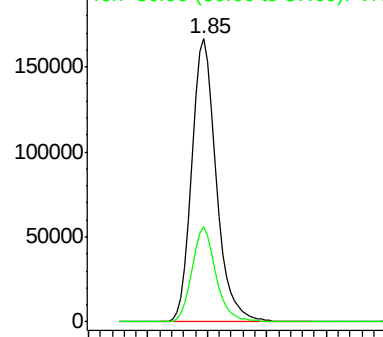
85 100

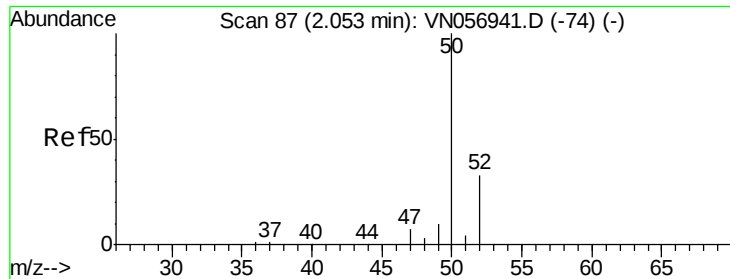
87 33.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 49.196 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 263183

Ion Ratio Lower Upper

50 100

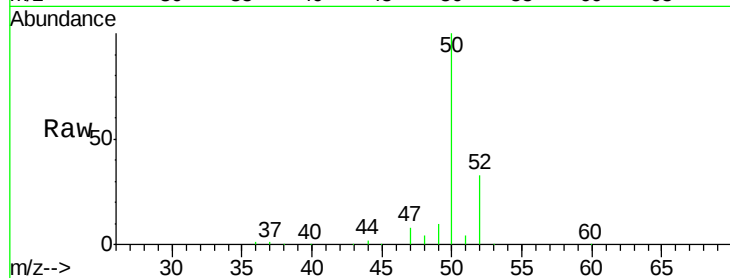
52 33.4 26.2 39.2

Manual Integrations

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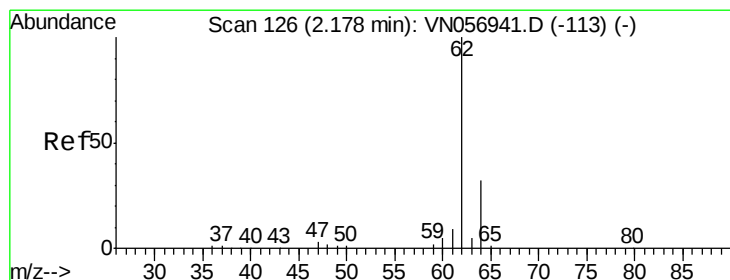
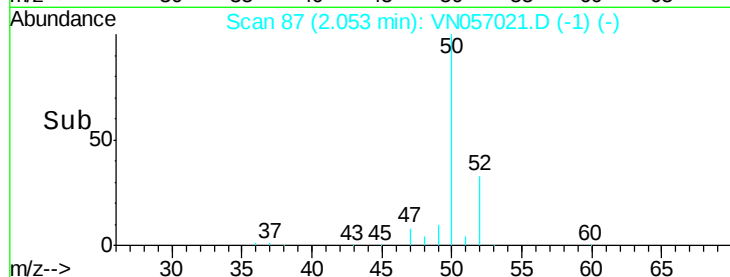
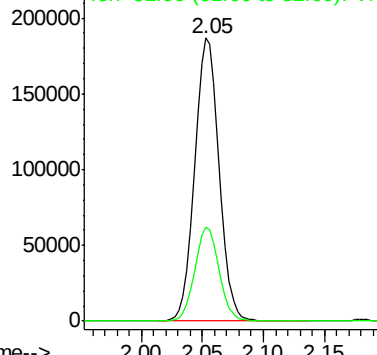
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 49.682 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057021.D

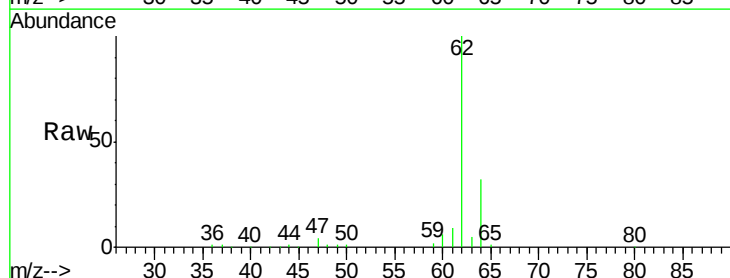
Acq: 31 Jul 2019 17:47

Tgt Ion: 62 Resp: 249220

Ion Ratio Lower Upper

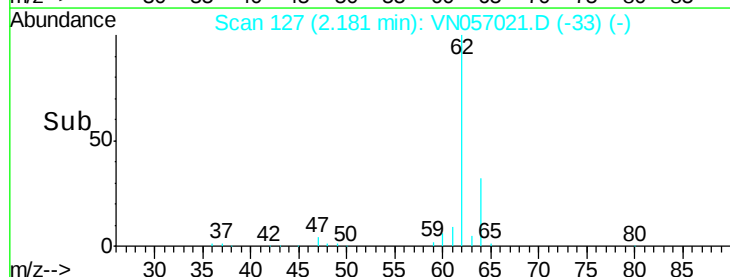
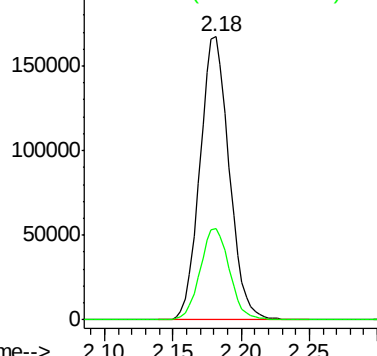
62 100

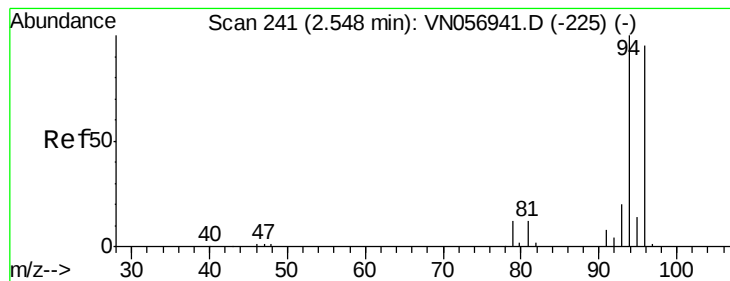
64 32.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 45.738 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 142633

Ion Ratio Lower Upper

94 100

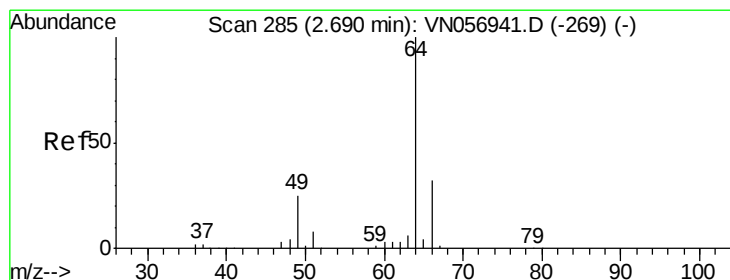
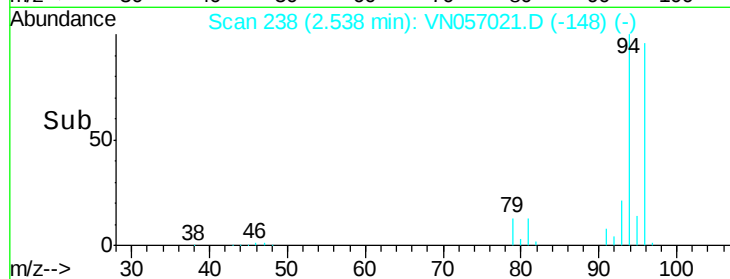
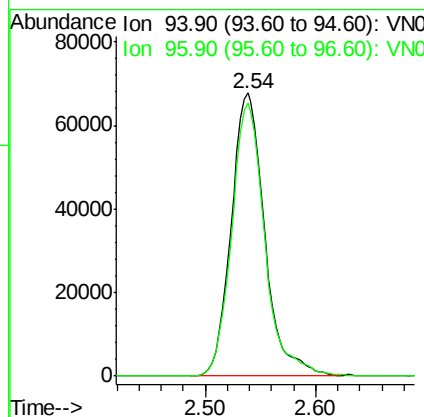
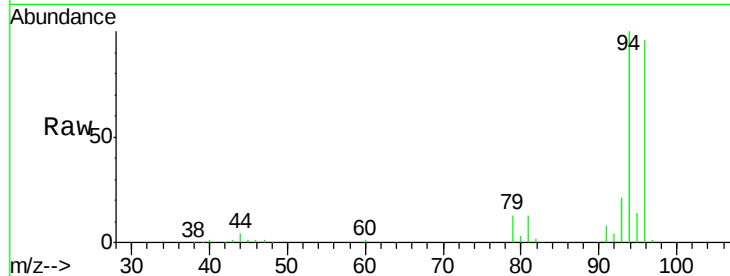
96 96.4 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 49.500 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN057021.D

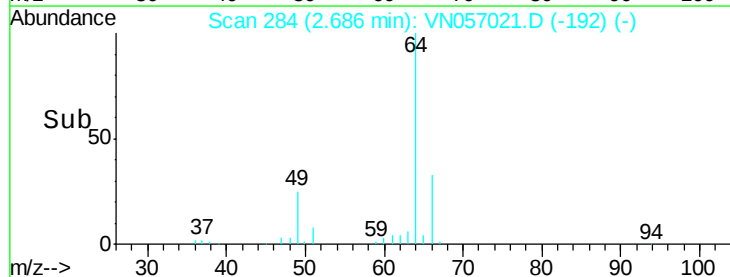
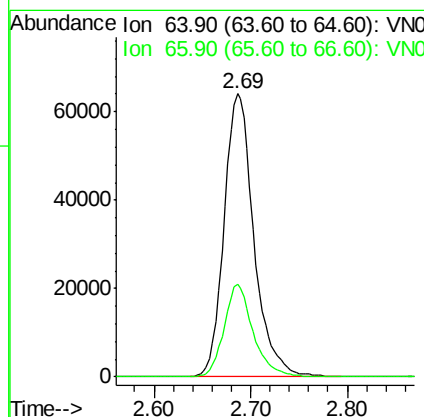
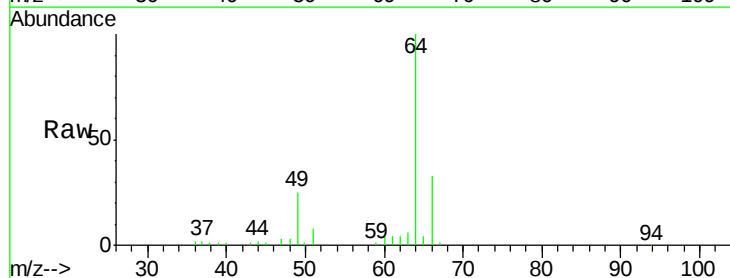
Acq: 31 Jul 2019 17:47

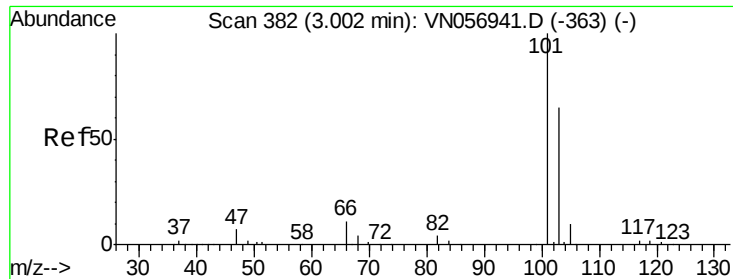
Tgt Ion: 64 Resp: 136878

Ion Ratio Lower Upper

64 100

66 32.9 25.8 38.8





#7

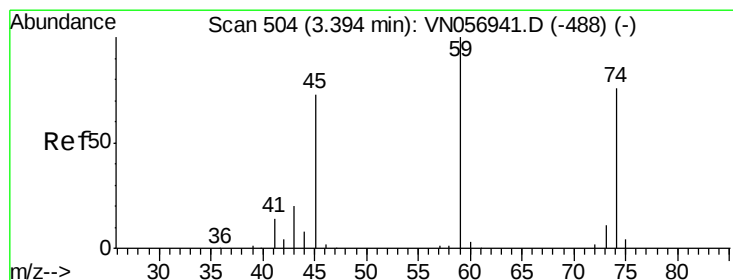
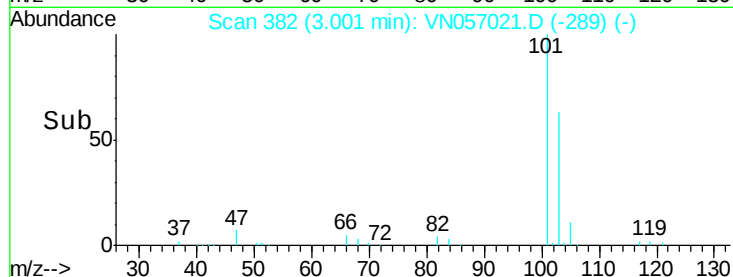
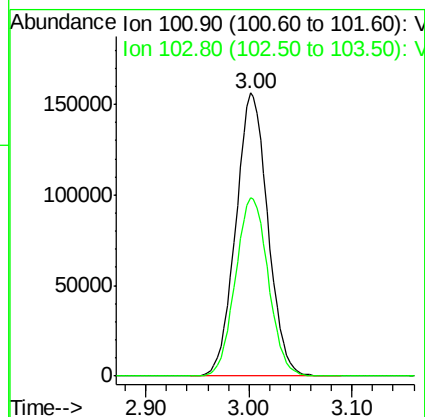
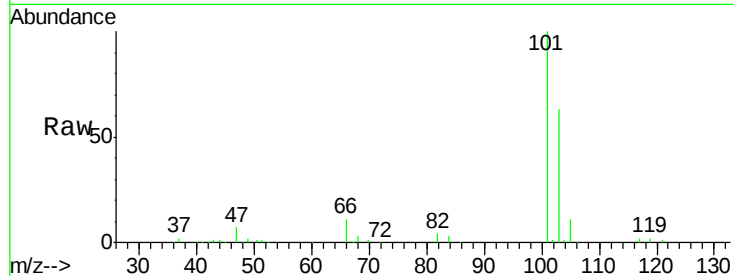
Trichlorofluoromethane
Concen: 51.432 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 101 Resp: 337722
Ion Ratio Lower Upper
101 100
103 63.0 52.1 78.1

Manual Integrations
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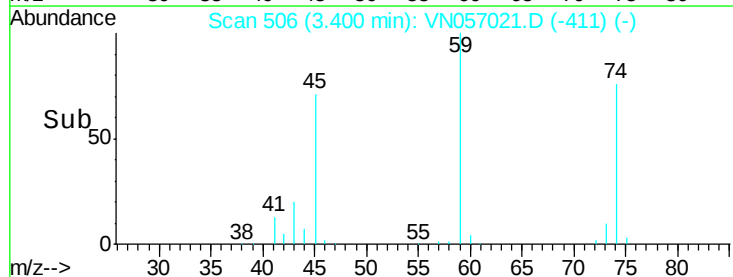
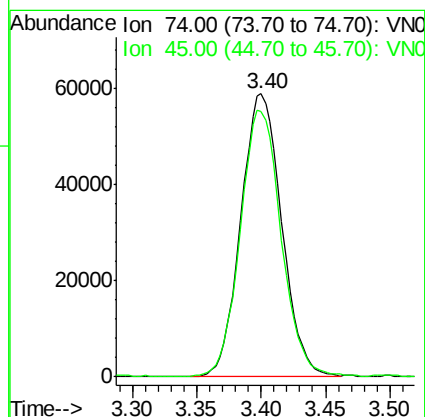
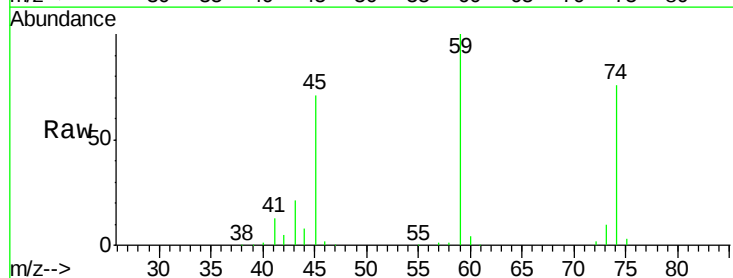
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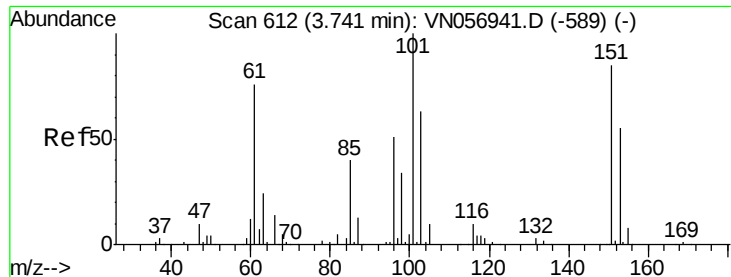


#8

Diethyl Ether
Concen: 52.950 ug/l
RT: 3.40 min Scan# 506
Delta R.T. 0.01 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion: 74 Resp: 130124
Ion Ratio Lower Upper
74 100
45 94.9 48.1 144.3





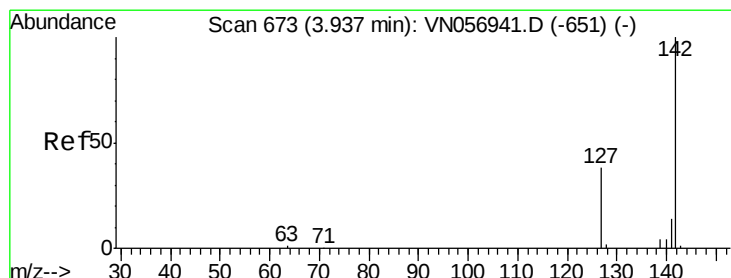
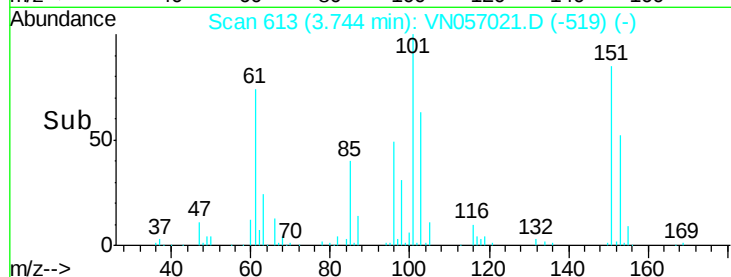
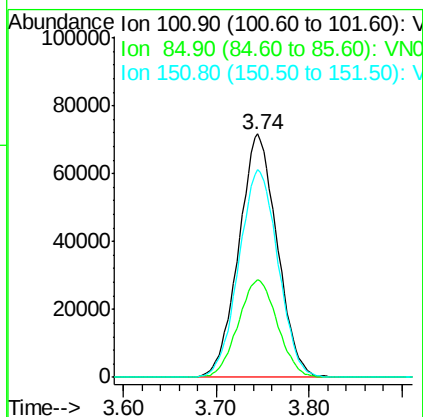
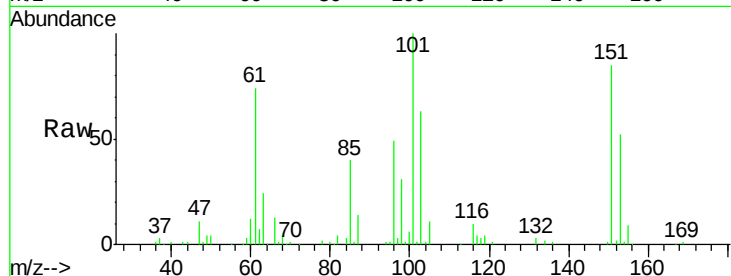
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.510 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.0	32.3	48.5
151	87.3	68.0	102.0

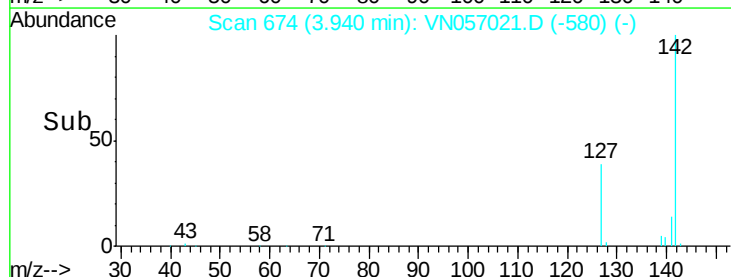
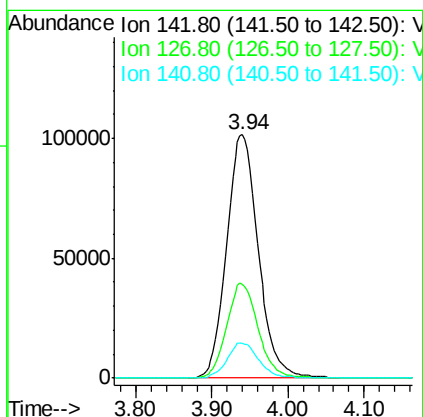
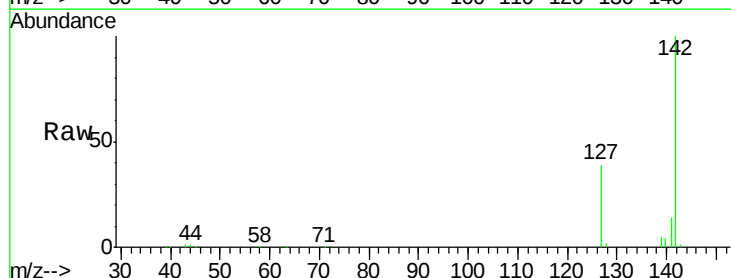
Manual Integrations
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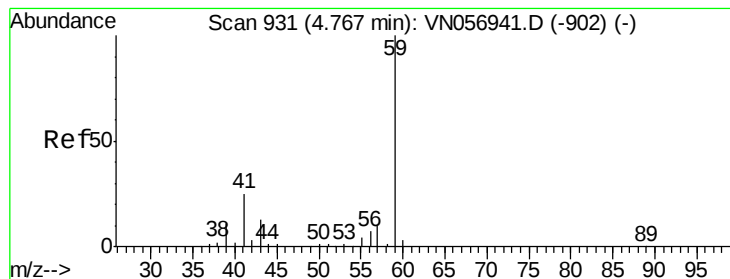
MMdadoda
8/2/2019 10:54:23 PM



#10
Methyl Iodide
Concen: 54.153 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.7	30.4	45.6
141	14.4	11.1	16.7





#11

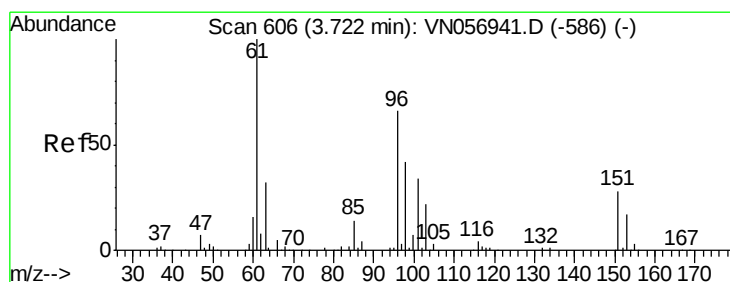
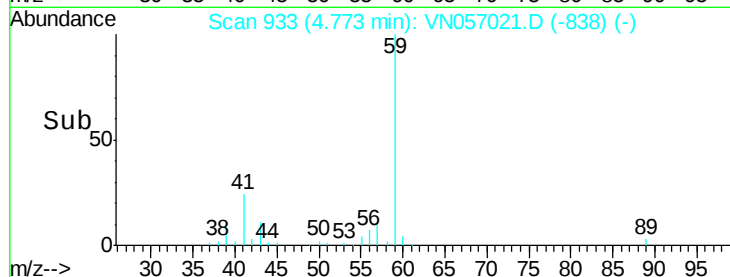
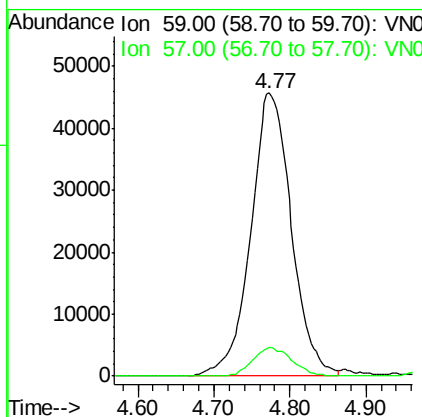
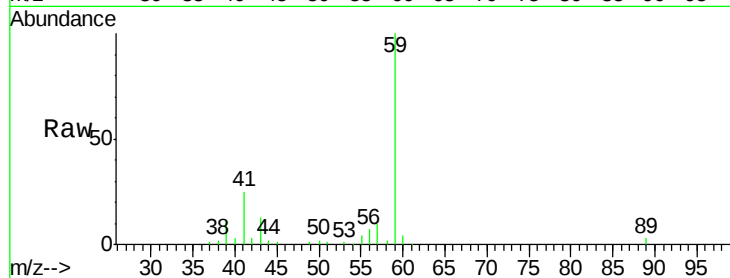
Tert butyl alcohol
 Concen: 277.367 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	9.8	Resp	169599	Lower	7.5	Upper	11.3
Ion	59	57	Ratio	100	9.8	Resp	169599	Lower	7.5	Upper	11.3

Manual Integrations
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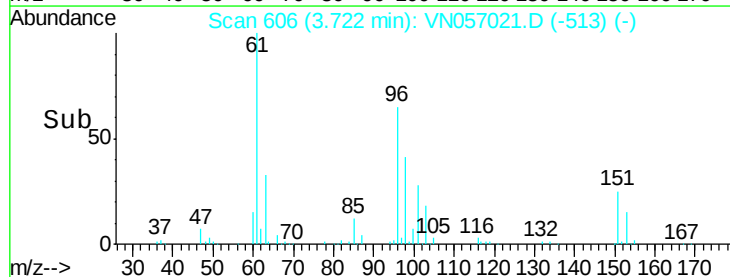
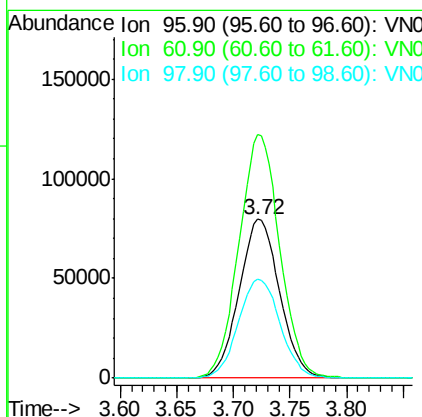
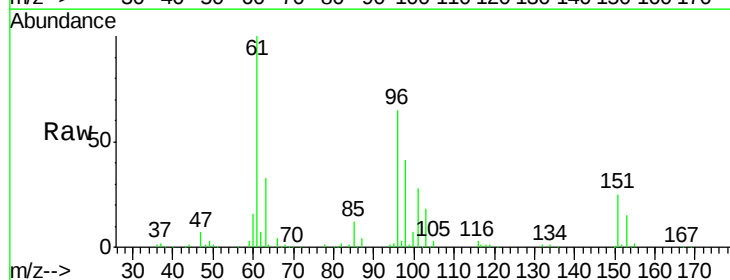
MMDadoda
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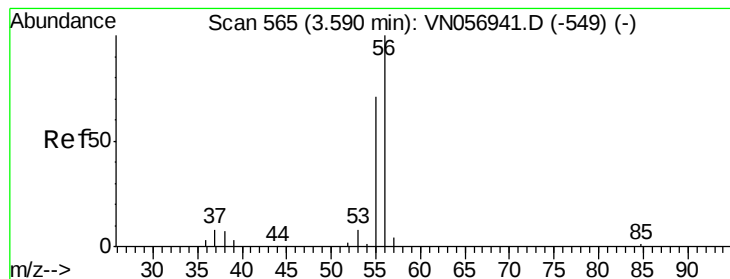


#12

1,1-Dichloroethene
 Concen: 51.062 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Tgt Ion	96	61	98	Ratio	100	153.2	62.3	Resp	198348	Lower	121.8	51.7	Upper	182.8	77.5
Ion	96	61	98	Ratio	100	153.2	62.3	Resp	198348	Lower	121.8	51.7	Upper	182.8	77.5





#13

Acrolein

Concen: 231.653 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 72719

Ion Ratio Lower Upper

56 100

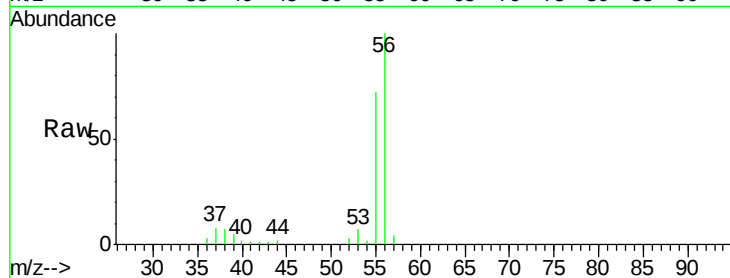
55 70.4 55.8 83.6

Manual Integrations

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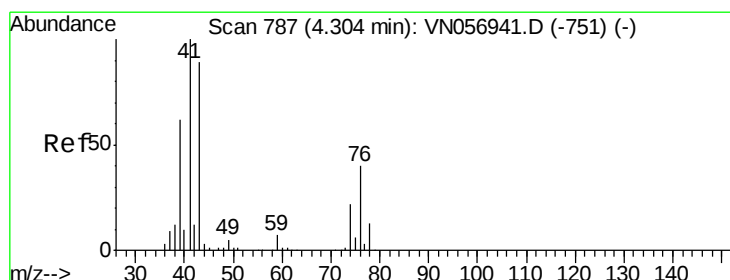
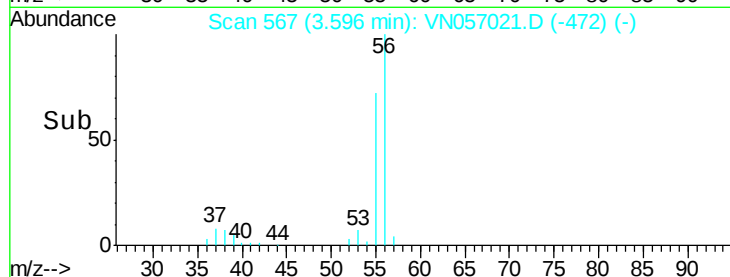
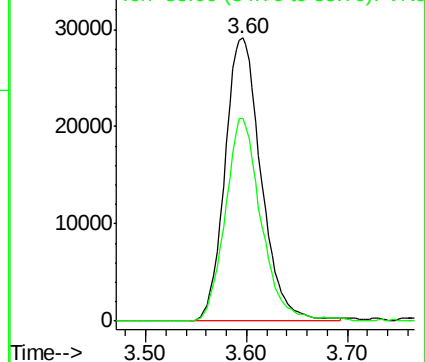
MMdadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 51.569 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

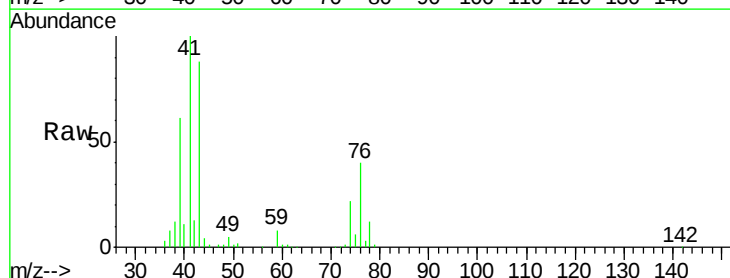
Tgt Ion: 41 Resp: 325852

Ion Ratio Lower Upper

41 100

39 59.4 46.4 69.6

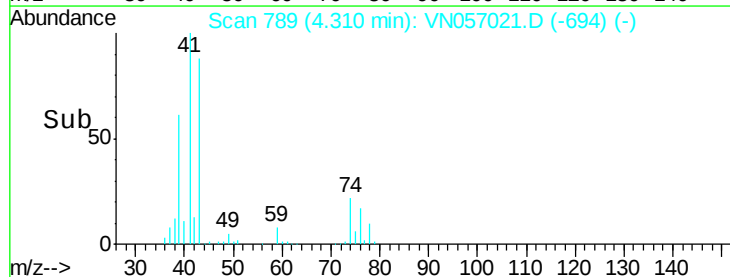
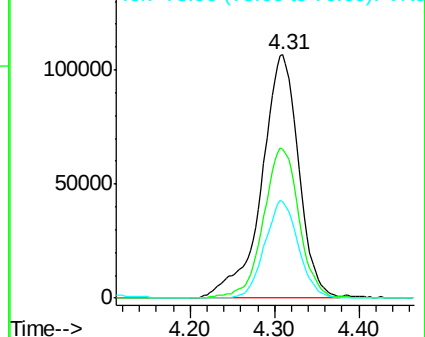
76 36.1 28.4 42.6

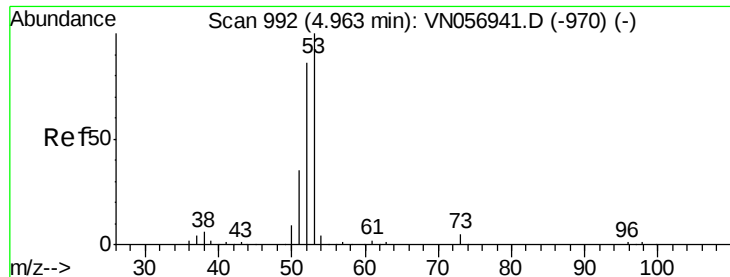


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 276.999 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

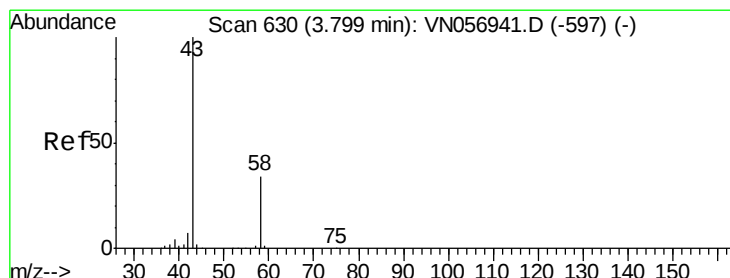
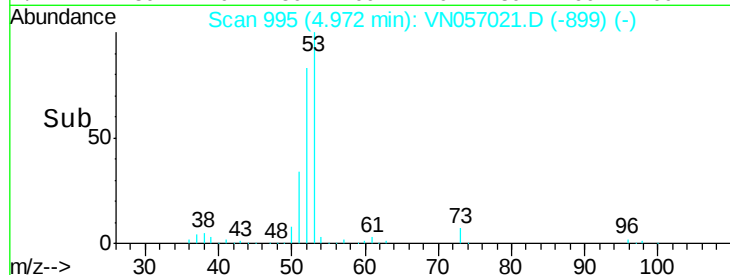
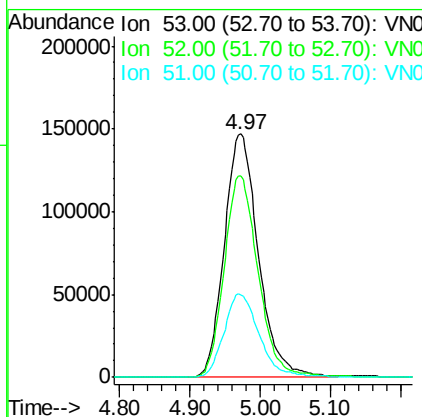
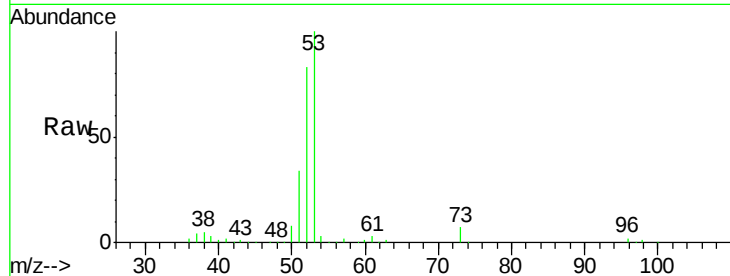
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	496698
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.5	99.7
51	35.2	28.4	42.6

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#16

Acetone

Concen: 237.372 ug/l

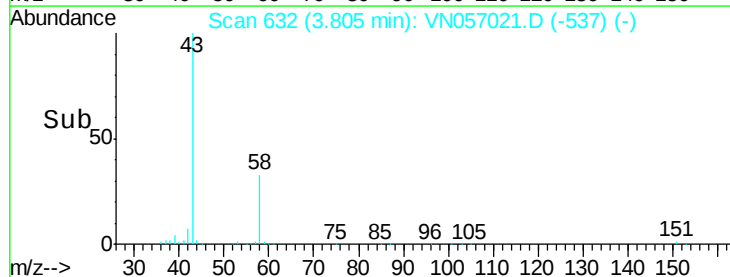
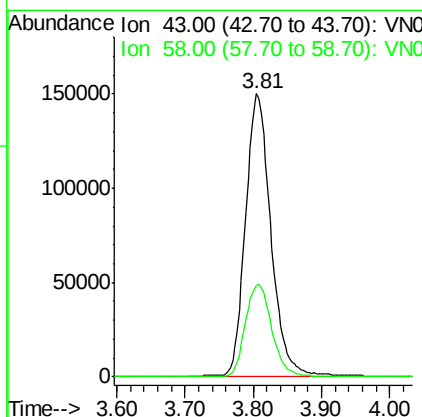
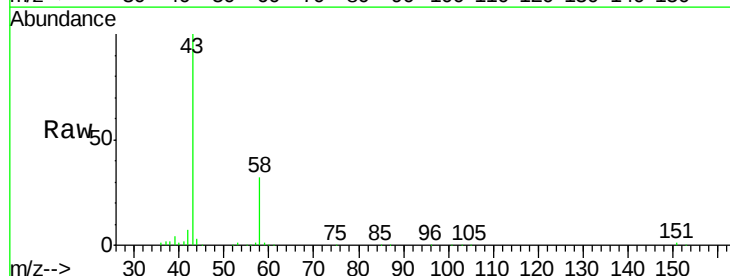
RT: 3.81 min Scan# 632

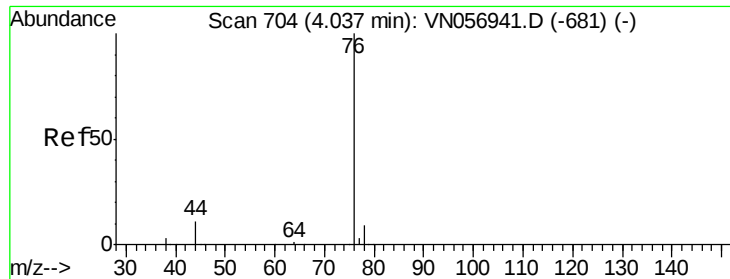
Delta R.T. 0.01 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Tgt Ion:	43	Resp:	389015
Ion Ratio	Lower	Upper	
43	100		
58	32.5	27.2	40.8





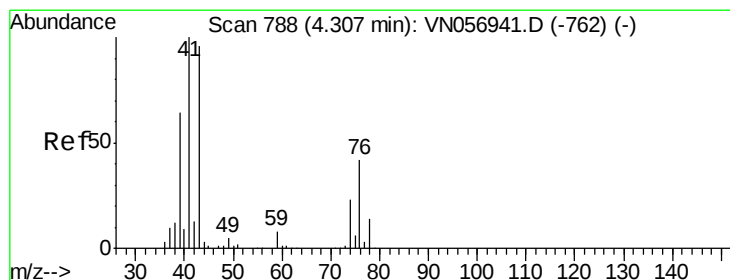
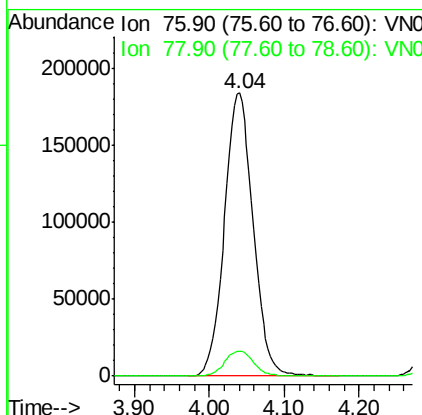
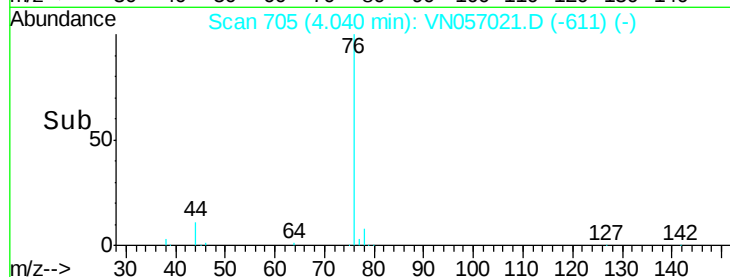
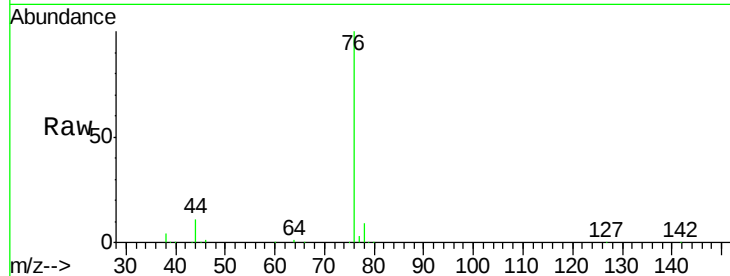
#17
Carbon Disulfide
Concen: 47.261 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

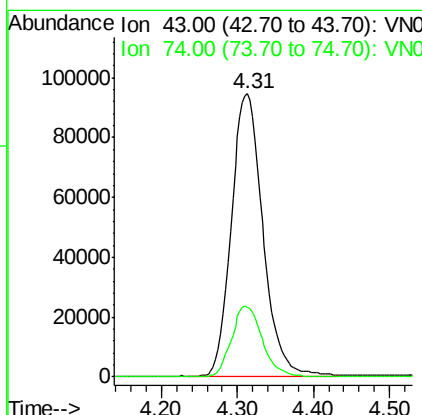
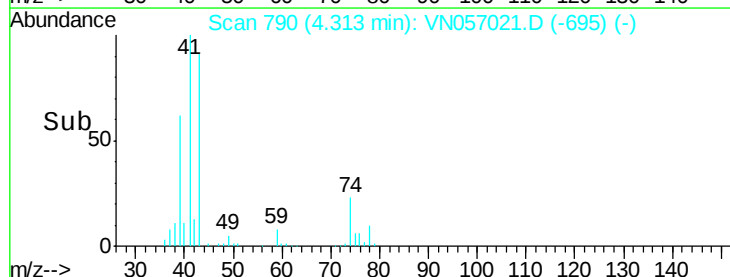
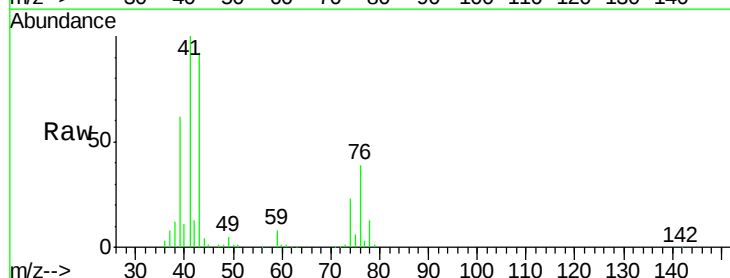
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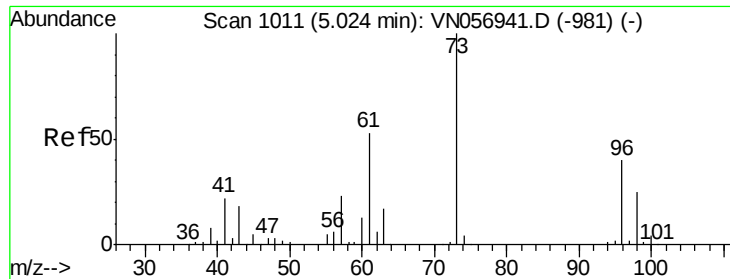
MMdadoda
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#18
Methyl Acetate
Concen: 52.108 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.7	29.5





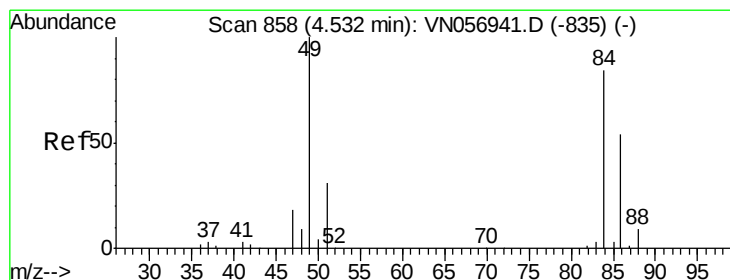
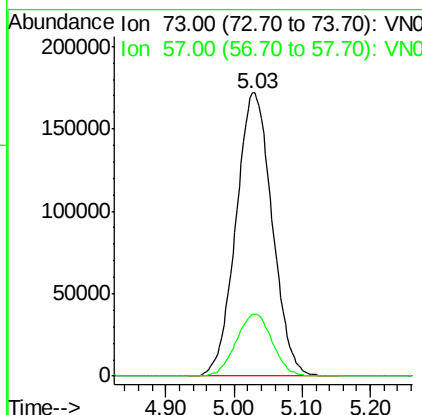
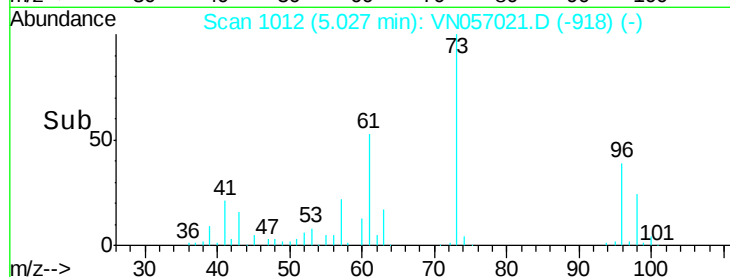
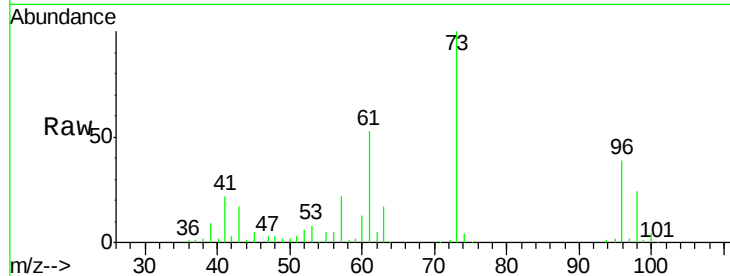
#19
Methvl tert-butvl Ether
Concen: 54.603 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 632435
Ion Ratio Lower Upper
73 100
57 21.8 18.3 27.5

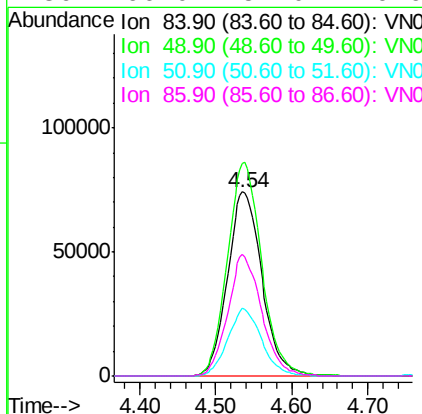
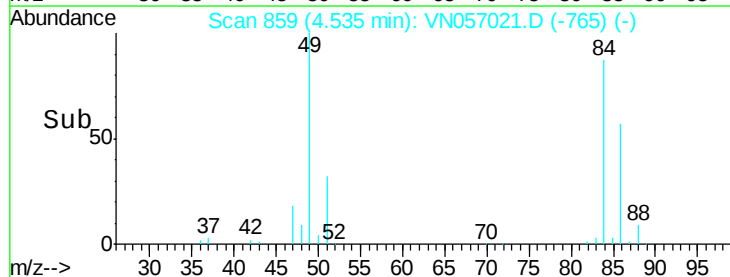
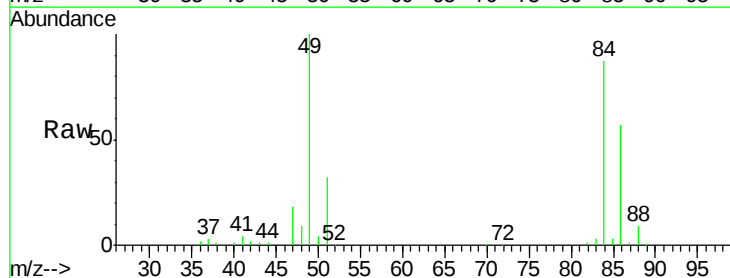
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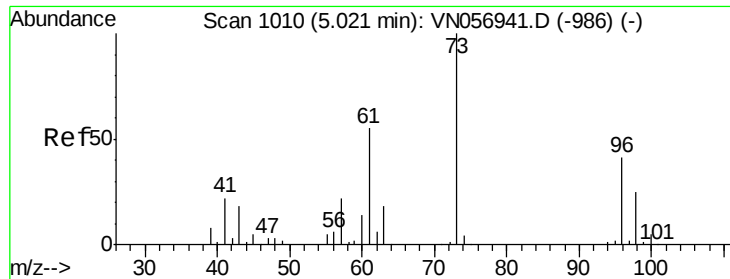
MMdadoda
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#20
Methylene Chloride
Concen: 49.539 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion: 84 Resp: 233862
Ion Ratio Lower Upper
84 100
49 115.5 95.2 142.8
51 36.6 29.7 44.5
86 66.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 51.434 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

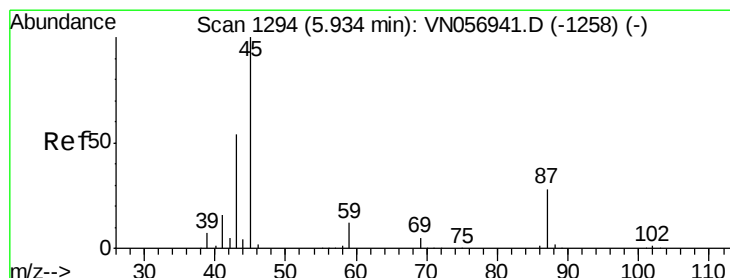
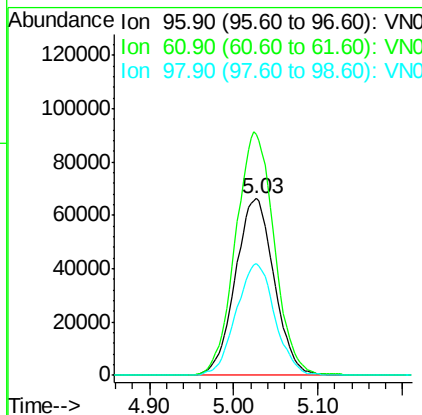
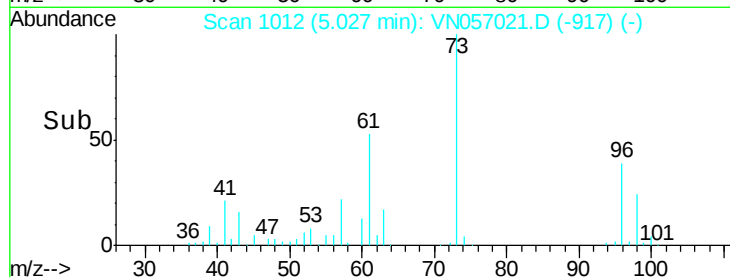
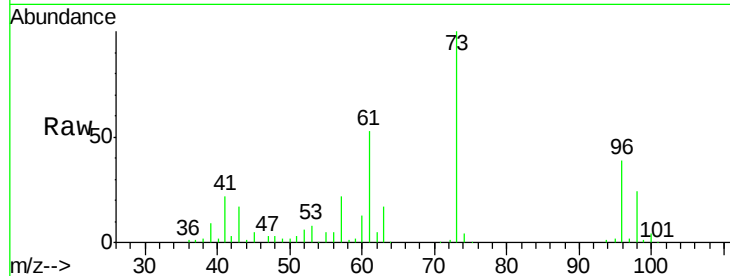
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	212189
Ion	Ratio	Lower	Upper
96	100		
61	136.5	107.5	161.3
98	63.2	49.9	74.9

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#22

Diisopropyl ether

Concen: 52.220 ug/l

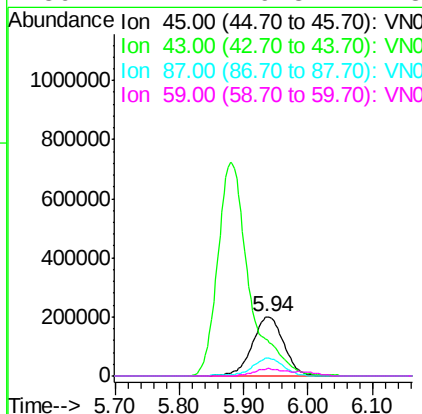
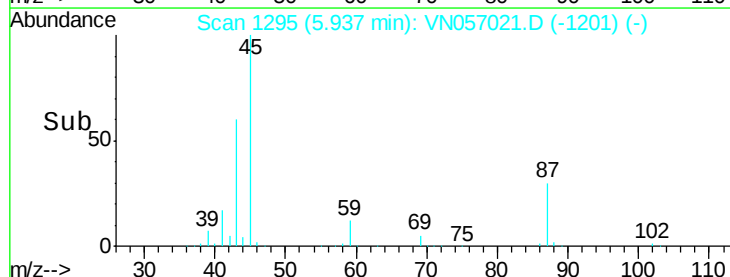
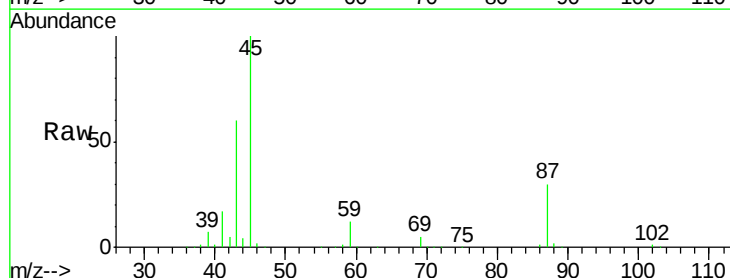
RT: 5.94 min Scan# 1295

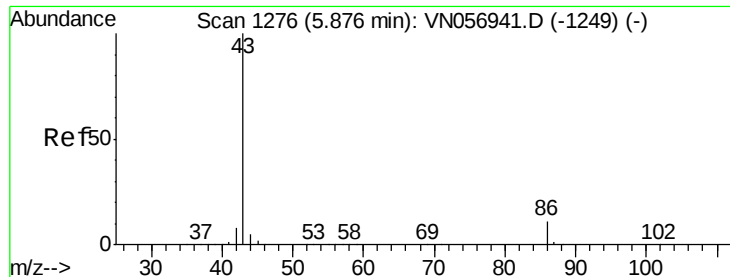
Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Tgt Ion:	45	Resp:	679854
Ion	Ratio	Lower	Upper
45	100		
43	59.2	44.7	67.1
87	29.9	23.0	34.6
59	11.7	9.8	14.8





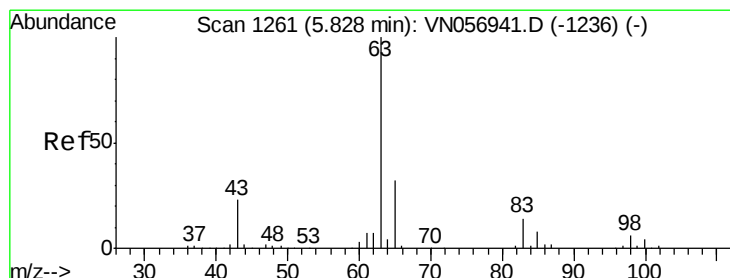
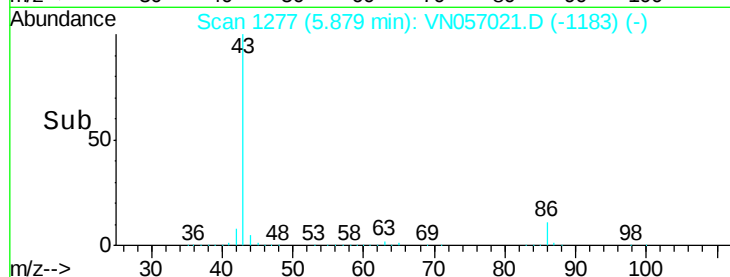
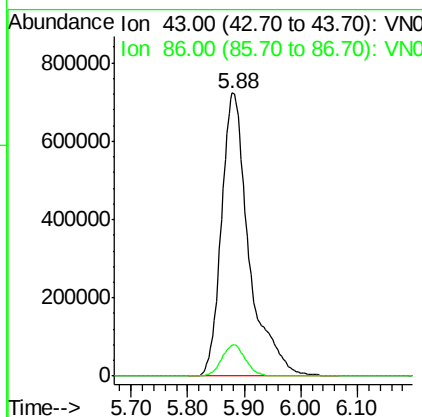
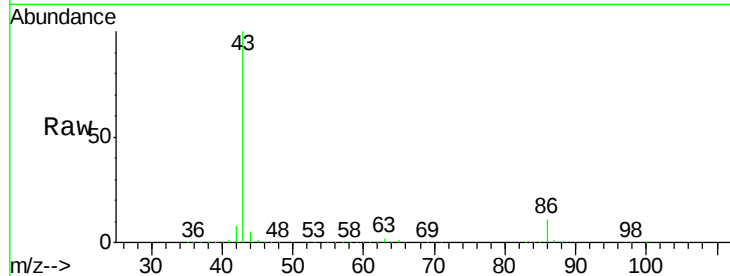
#23
 Vinyl Acetate
 Concen: 271.590 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2449841
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.5 12.7

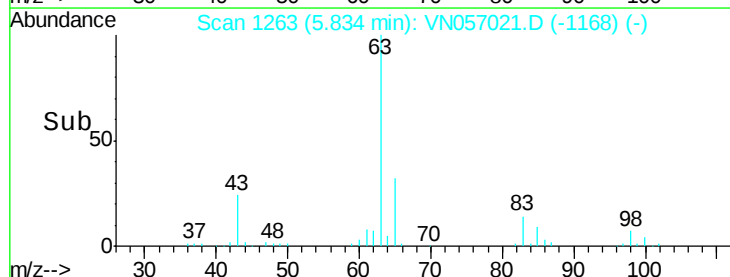
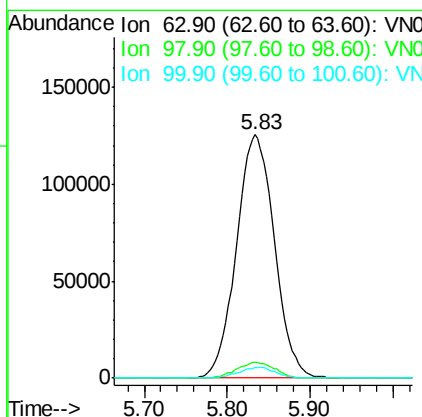
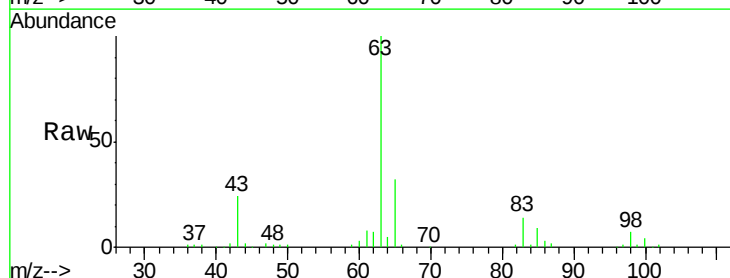
Manual Integrations
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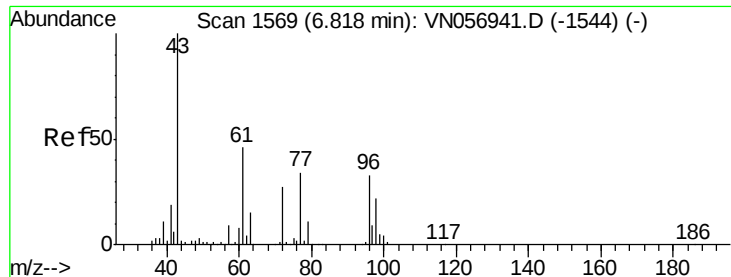
MMdadoda
 8/2/2019 10:54:23 PM



#24
 1,1-Dichloroethane
 Concen: 52.008 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Tgt Ion: 63 Resp: 399491
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.2 9.6
 100 4.1 2.1 6.3





#25

2-Butanone

Concen: 262.251 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 609439

Ion Ratio Lower Upper

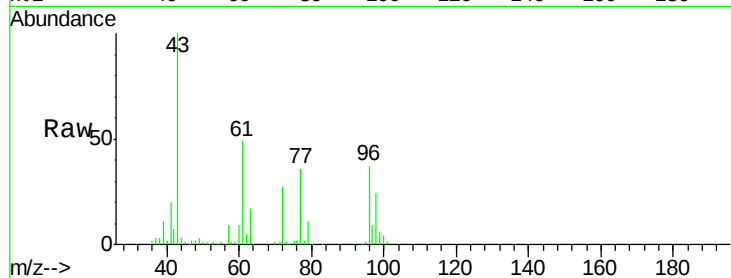
43 100

72 27.3 21.5 32.3

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

250000

200000

150000

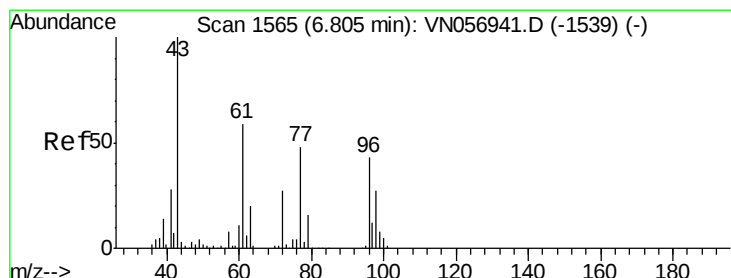
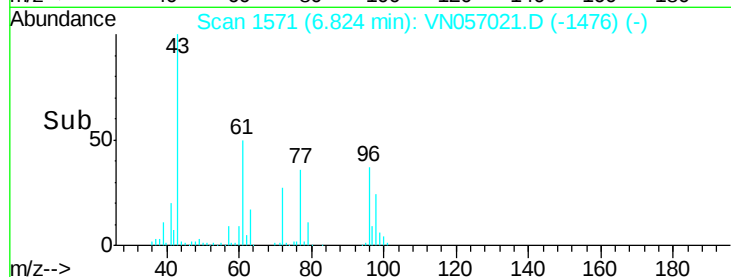
100000

50000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 50.404 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN057021.D

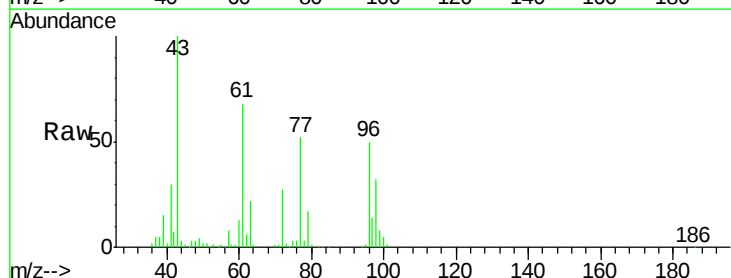
Acq: 31 Jul 2019 17:47

Tgt Ion: 77 Resp: 294392

Ion Ratio Lower Upper

77 100

97 25.1 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

100000

80000

60000

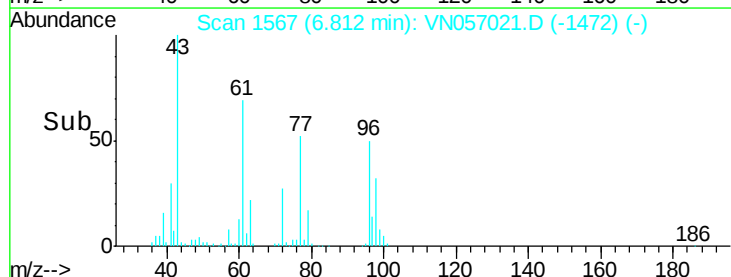
40000

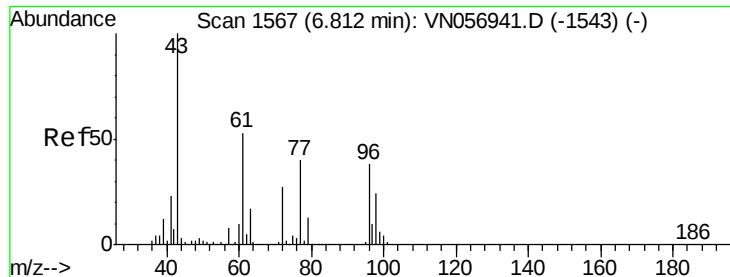
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.447 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

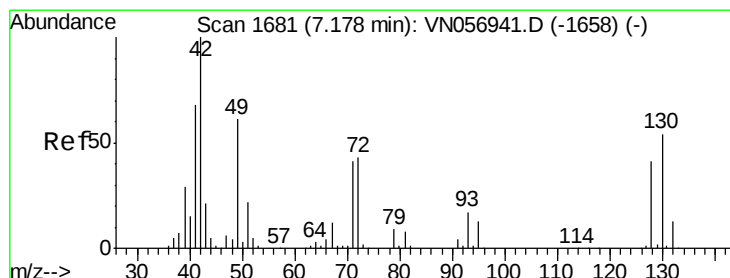
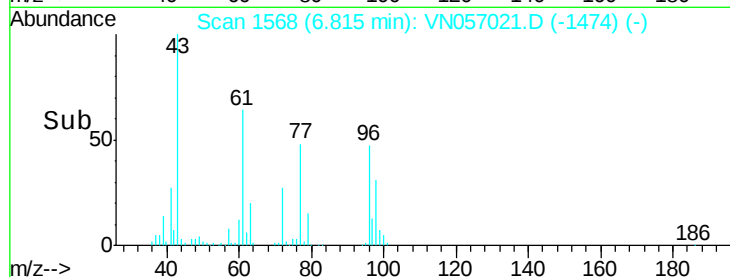
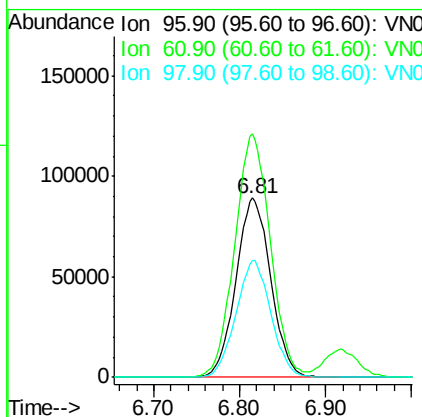
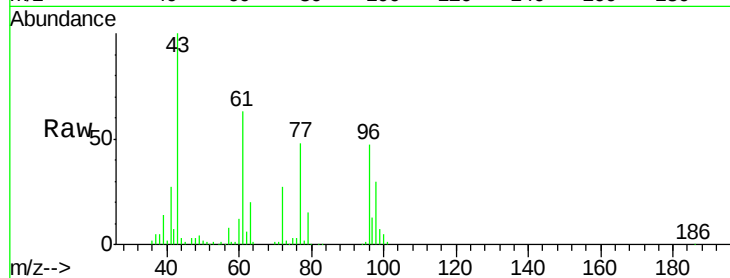
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	251031
Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	277.2
98	65.3	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 53.414 ug/l

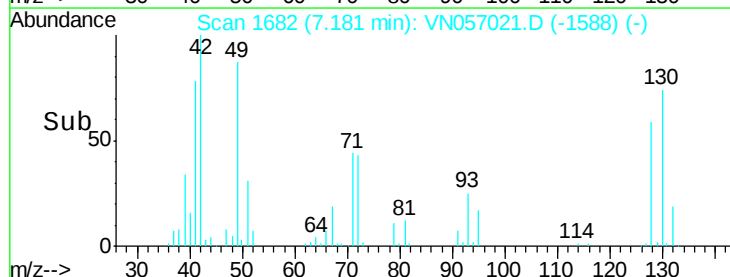
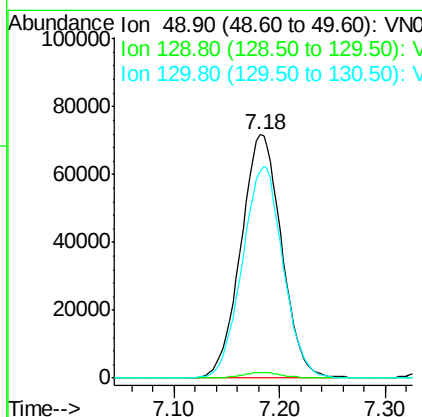
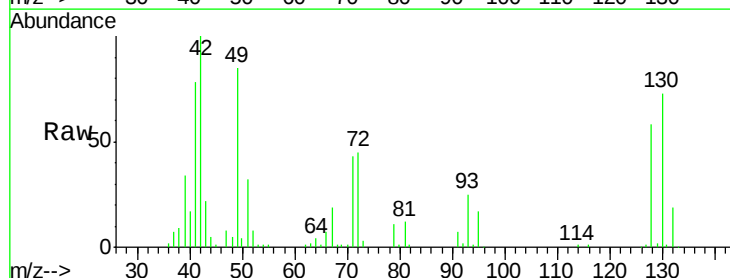
RT: 7.18 min Scan# 1682

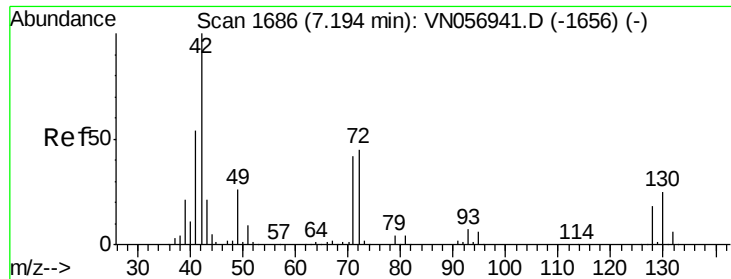
Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Tgt Ion:	49	Resp:	192856
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	87.0	69.0	103.4





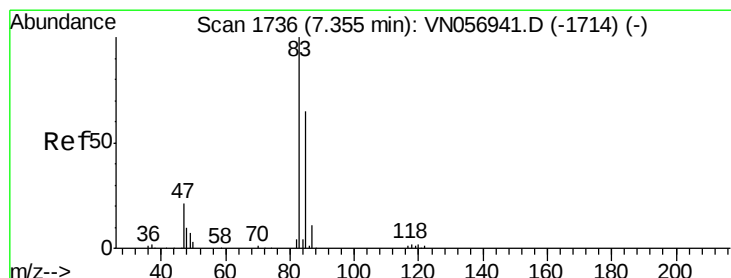
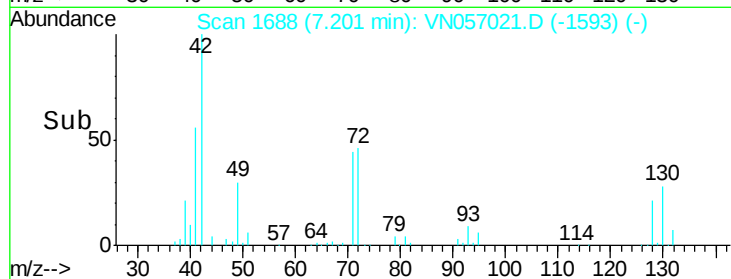
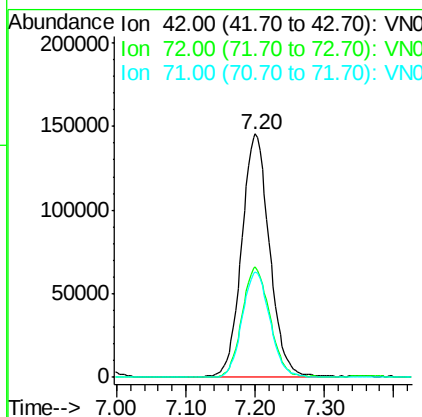
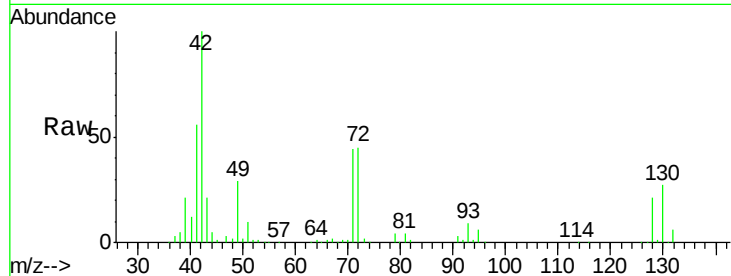
#29
Tetrahydrofuran
Concen: 268.399 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	35.6	53.4
71	42.9	33.5	50.3

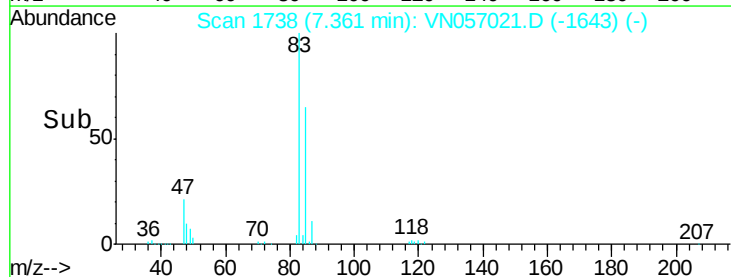
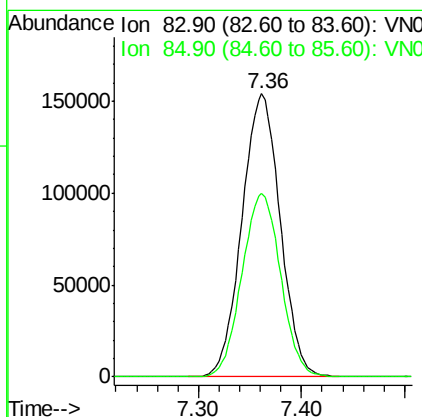
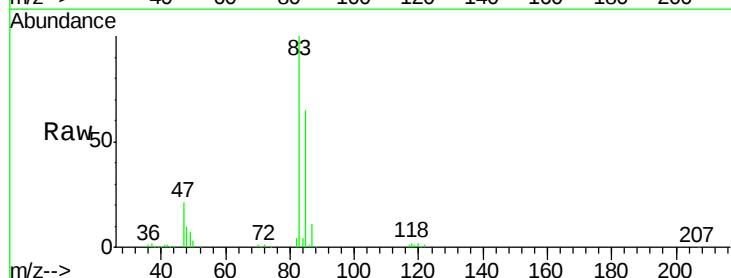
Manual Integrations
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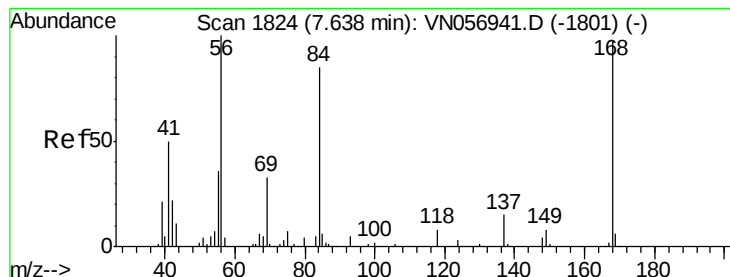
MMdadoda
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#30
Chloroform
Concen: 50.662 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.2





#31

Cyclohexane

Concen: 47.602 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 353834

Ion Ratio Lower Upper

56 100

69 32.5 26.2 39.2

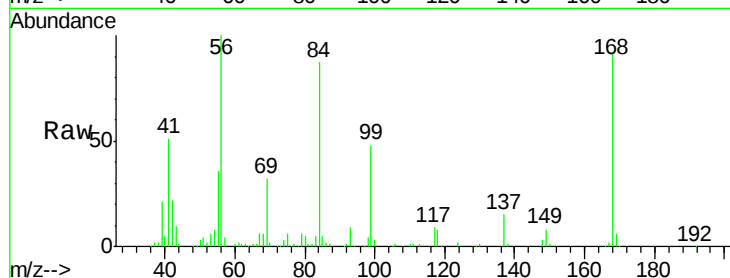
84 85.9 68.2 102.2

Manual Integrations

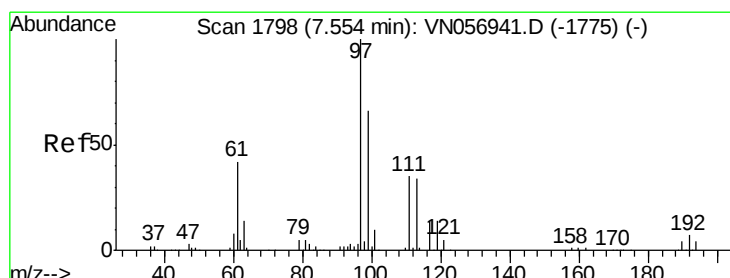
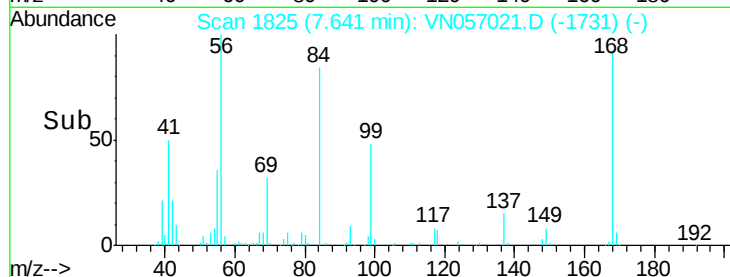
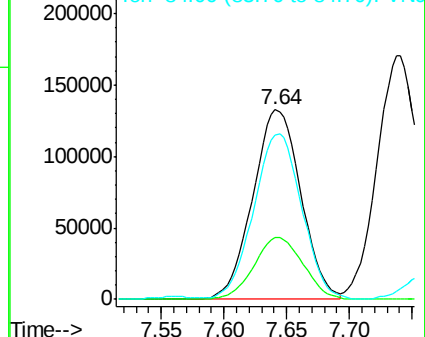
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 53.380 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. 0.01 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

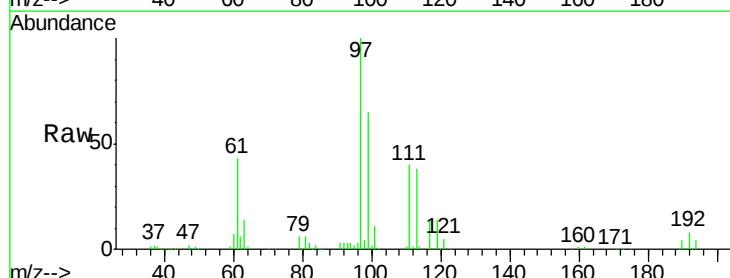
Tgt Ion: 97 Resp: 334500

Ion Ratio Lower Upper

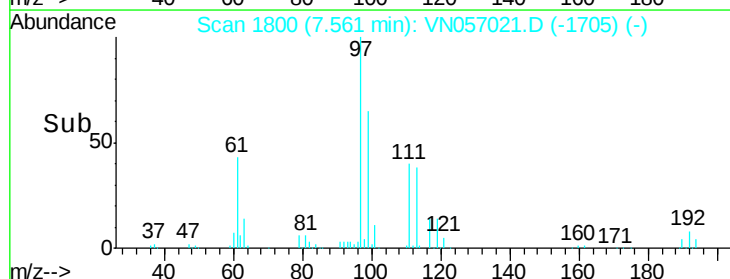
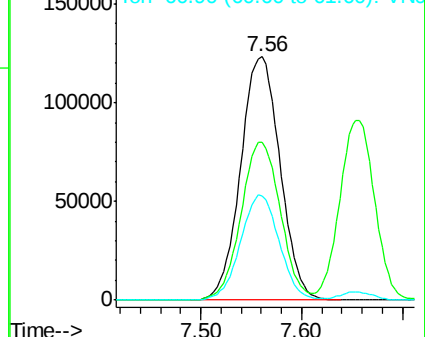
97 100

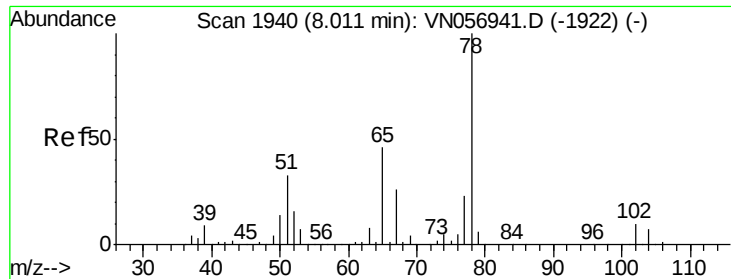
99 64.7 52.3 78.5

61 42.4 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





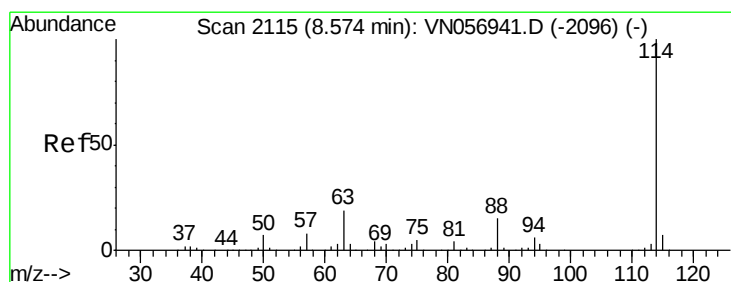
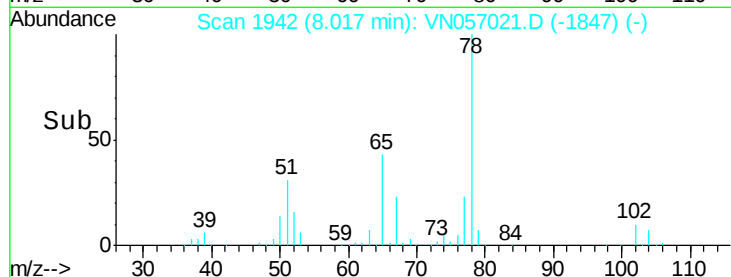
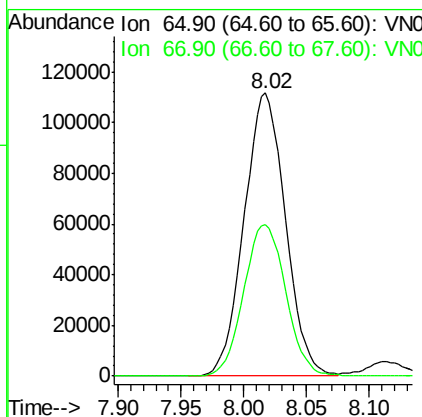
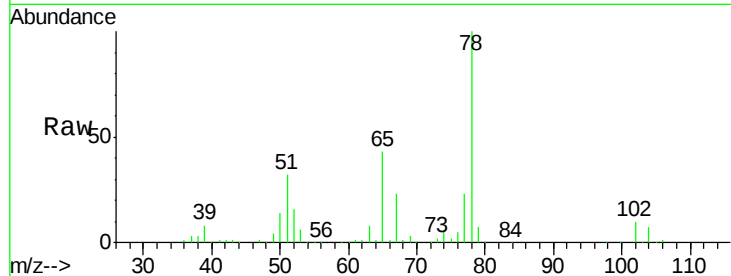
#33
 1,2-Dichloroethane-d4
 Concen: 56.700 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 256494
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 112.0

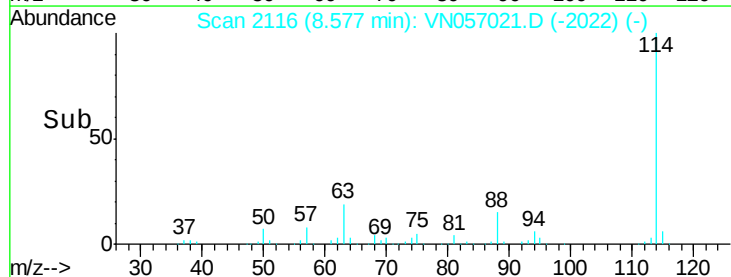
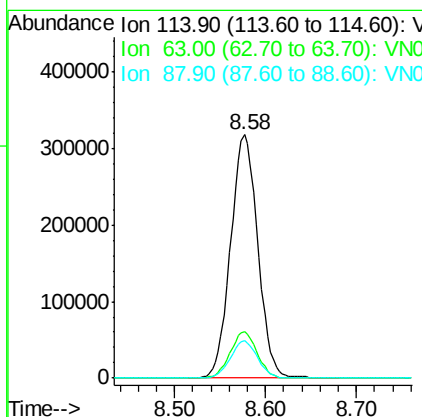
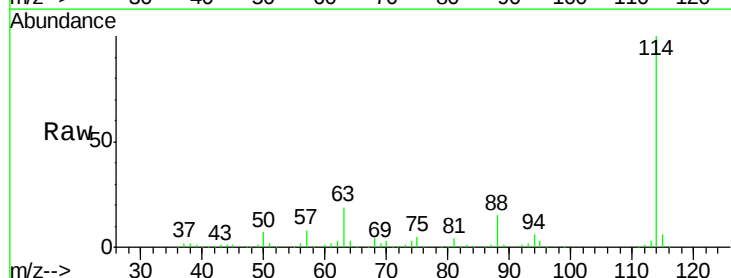
Manual Integrations
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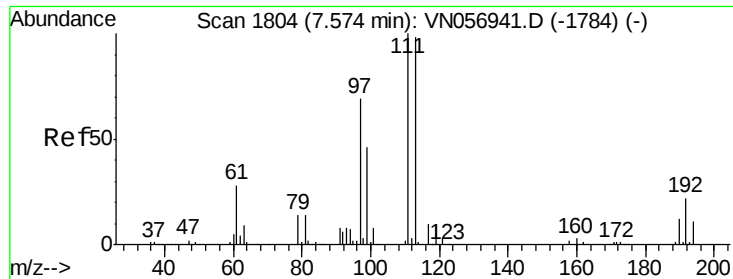
MMdadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Tgt Ion: 114 Resp: 661854
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.0
 88 15.2 0.0 30.0





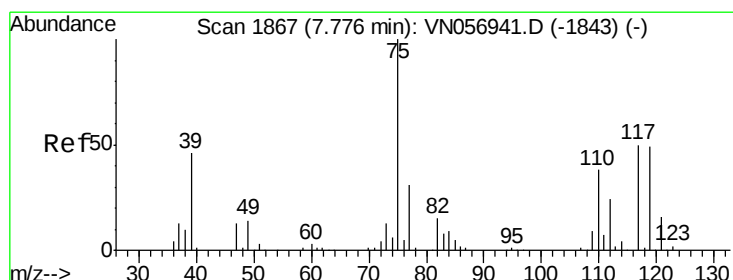
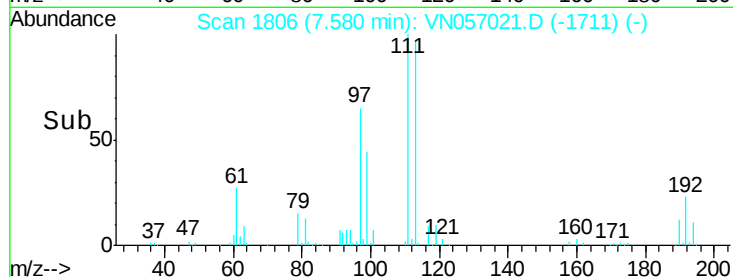
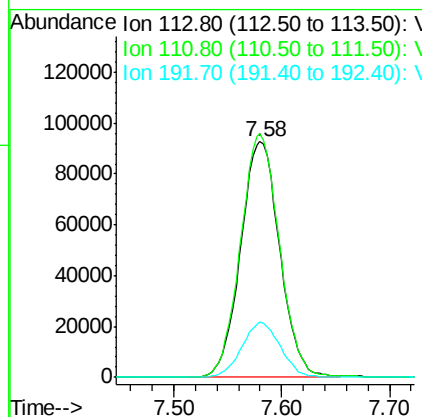
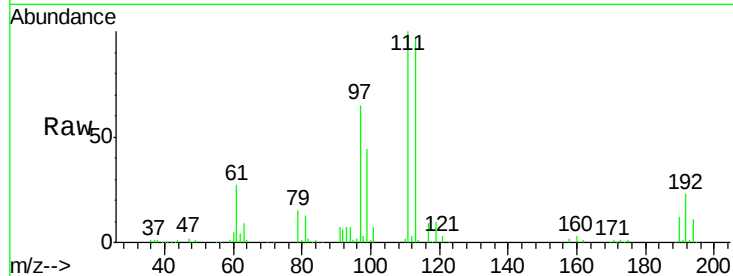
#35
Dibromofluoromethane
Concen: 55.112 ug/l
RT: 7.58 min Scan# 1806
Delta R.T. 0.01 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	233509		
111	102.7	82.0	123.0	
192	23.1	18.4	27.6	

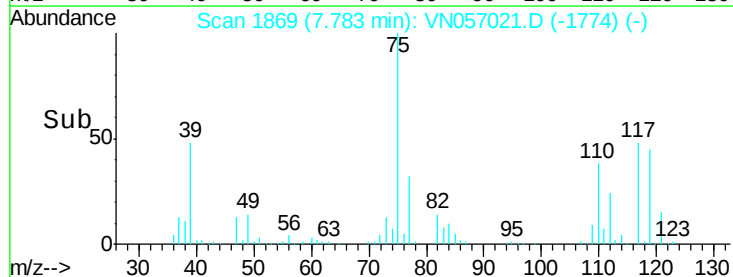
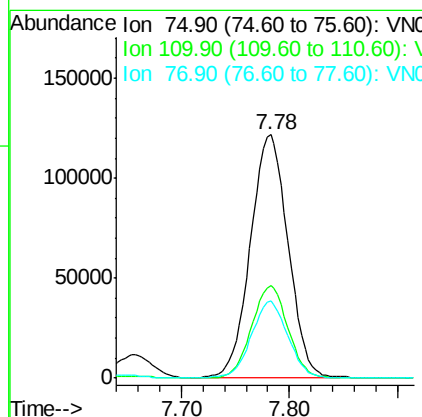
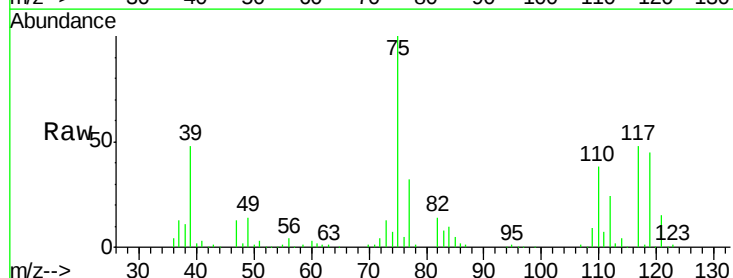
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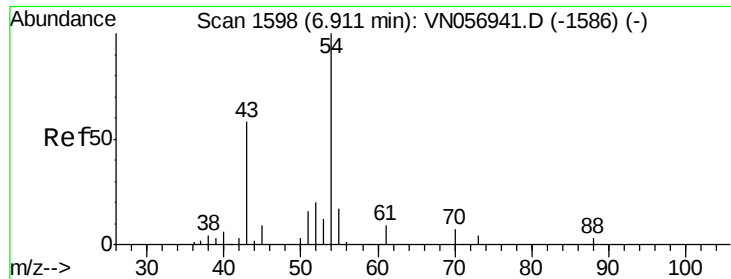
MMdadoda
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#36
1,1-Dichloropropene
Concen: 50.406 ug/l
RT: 7.78 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	293554		
110	36.7	18.6	55.8	
77	30.9	25.2	37.8	





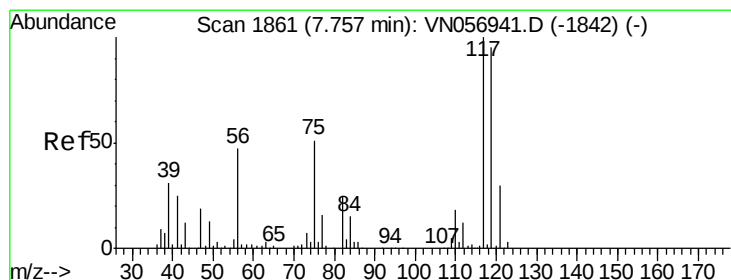
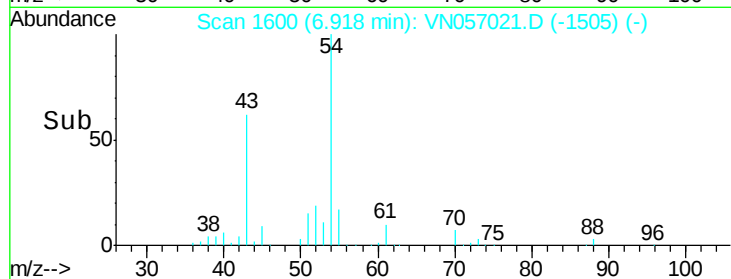
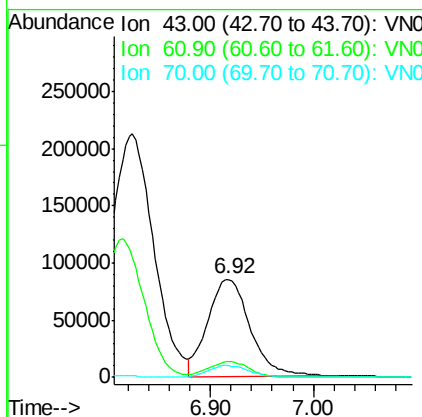
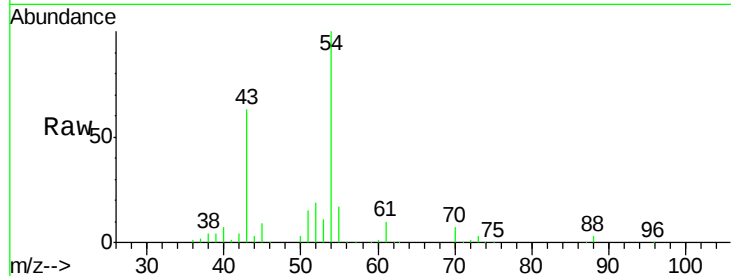
#37
Ethyl Acetate
Concen: 52.300 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Resp	243948		
Ratio	100	15.6	11.0
Lower		11.8	8.5
Upper		17.6	12.7

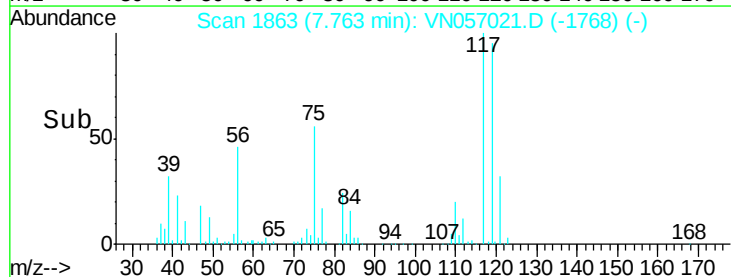
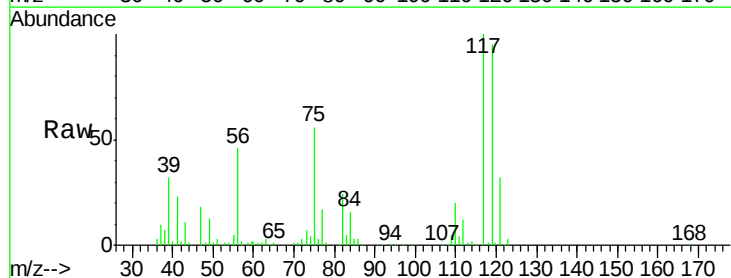
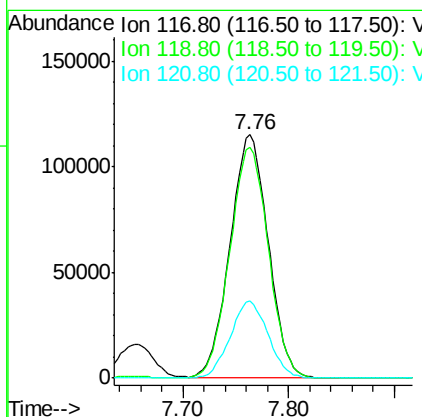
Manual Integrations
APPROVED

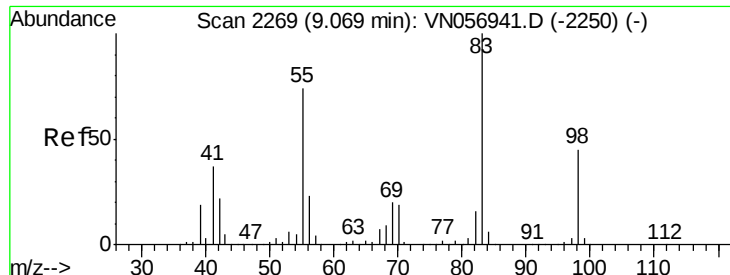
MMdadoda
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#38
Carbon Tetrachloride
Concen: 52.667 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion	117	119	121
Resp	290135		
Ratio	100	94.8	31.5
Lower		75.3	24.2
Upper		112.9	36.4





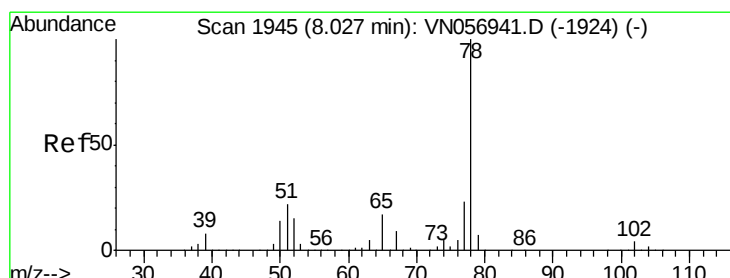
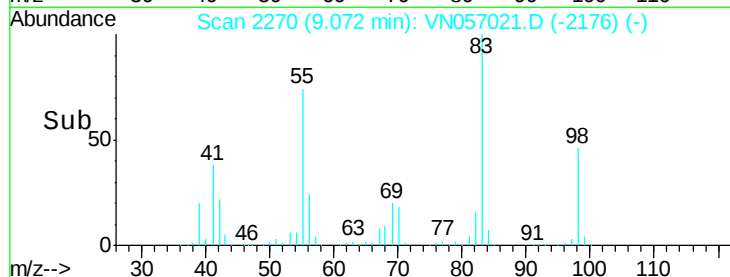
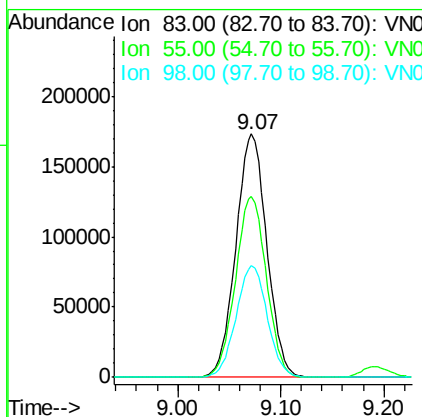
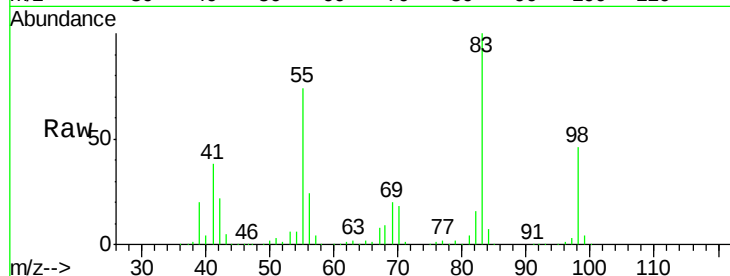
#39
Methvlcvclohexane
Concen: 48.592 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	361692
Ion Ratio	100	Lower	Upper
83	100		
55	74.5	59.0	88.6
98	45.7	36.2	54.4

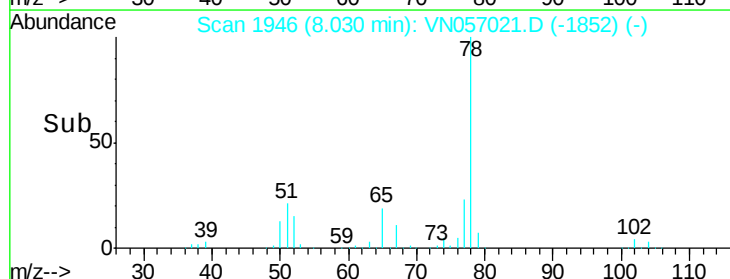
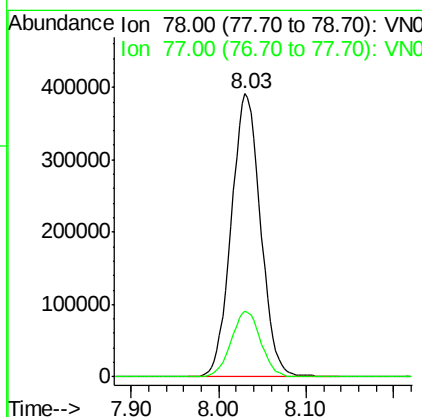
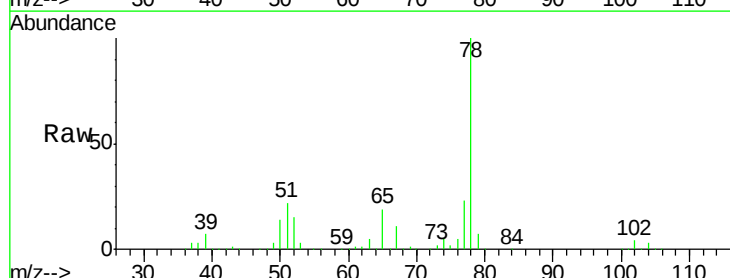
Manual Integrations
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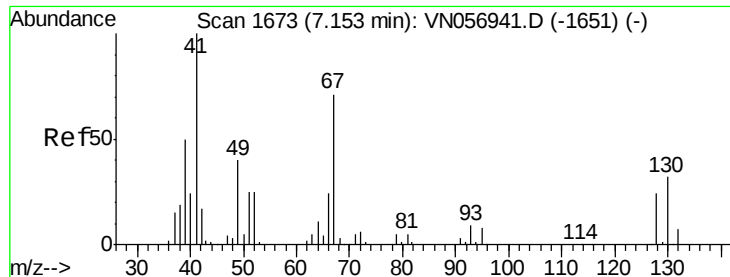
MMdadoda
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#40
Benzene
Concen: 50.690 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion	78	Resp	909255
Ion Ratio	100	Lower	Upper
78	100		
77	23.3	18.3	27.5





#41

Methacrylonitrile

Concen: 54.488 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 117493

Ion Ratio Lower Upper

41 100

39 55.9 48.9 73.3

67 94.3 83.4 125.0

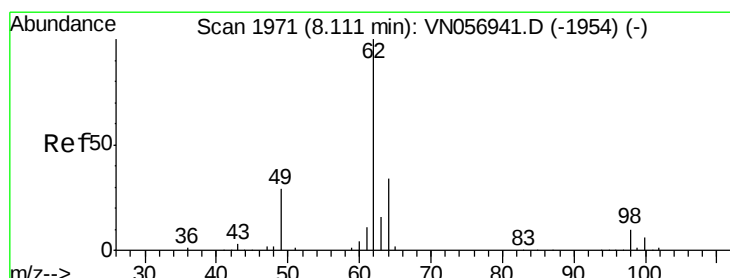
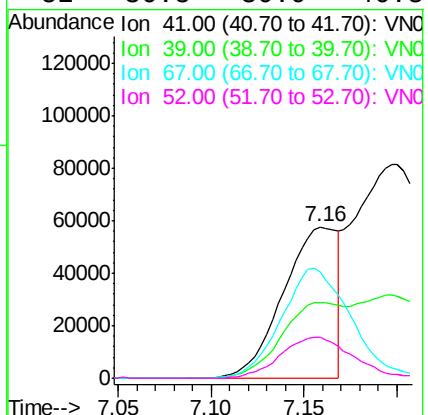
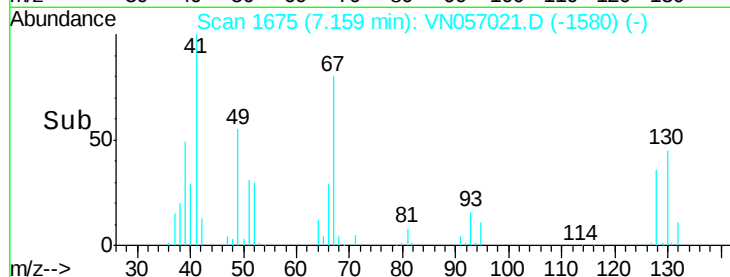
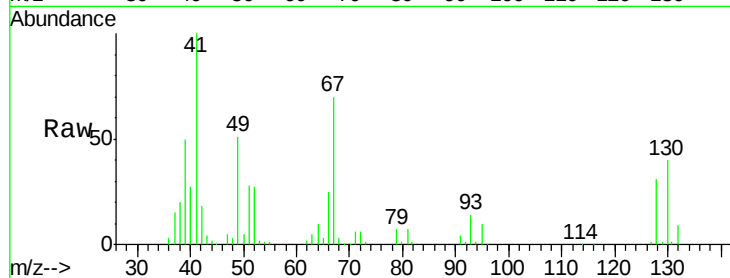
52 36.8 30.9 46.3

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 51.790 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VN057021.D

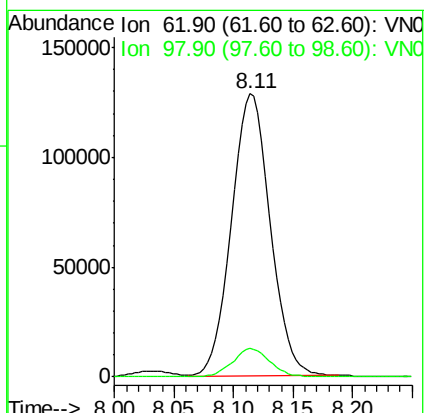
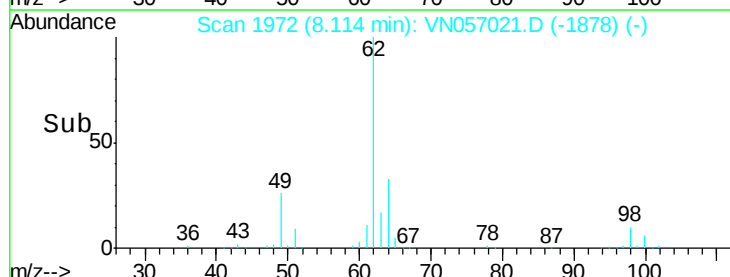
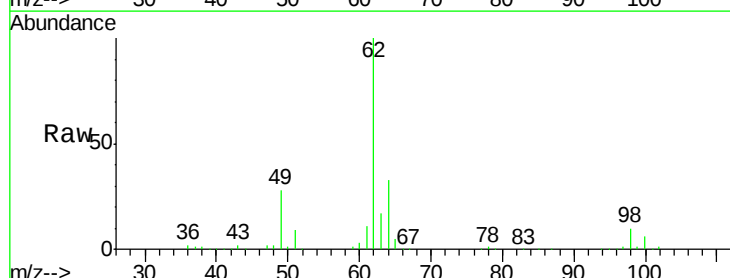
Acq: 31 Jul 2019 17:47

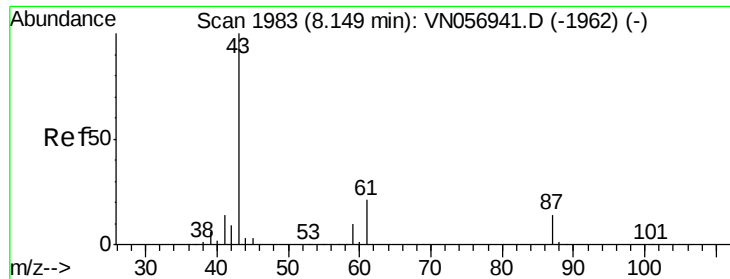
Tgt Ion: 62 Resp: 291153

Ion Ratio Lower Upper

62 100

98 9.7 0.0 20.6





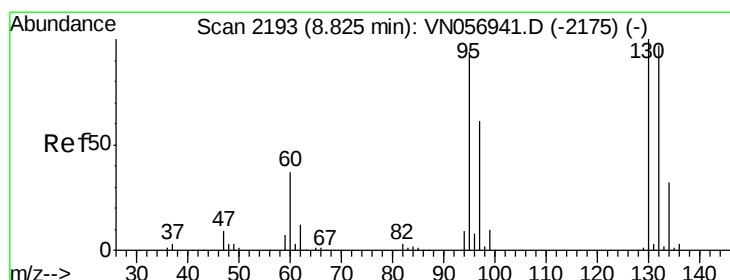
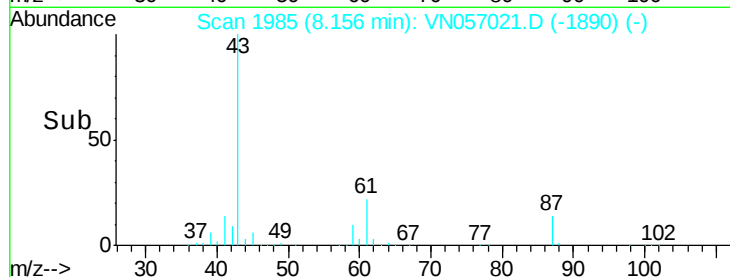
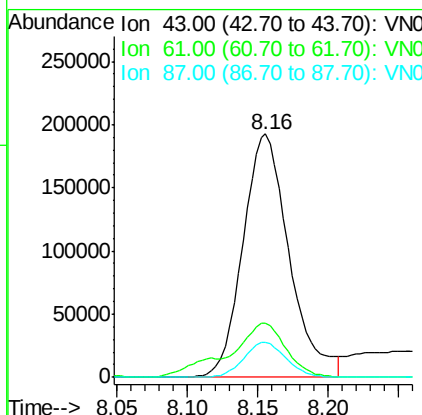
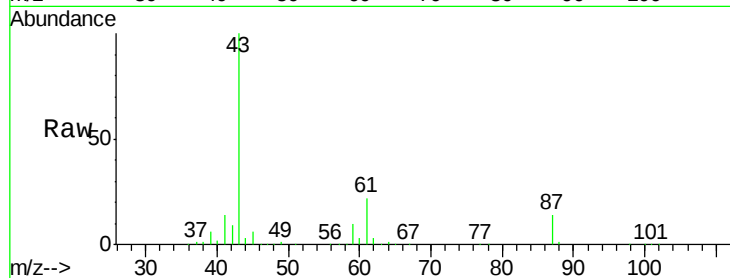
#43
Isopropyl Acetate
Concen: 56.973 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.01 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	23.0	34.6#
87	13.3	11.7	17.5

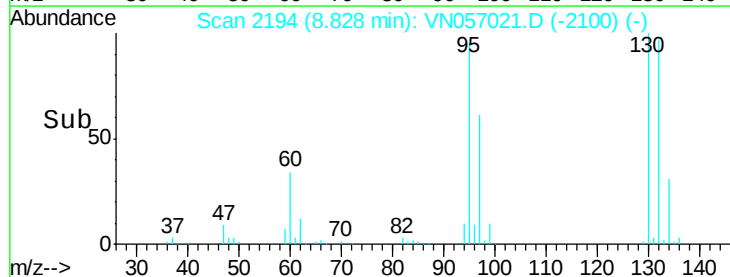
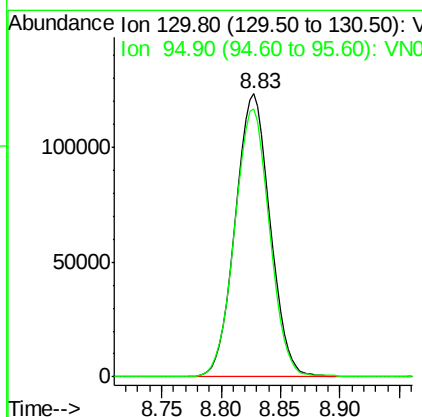
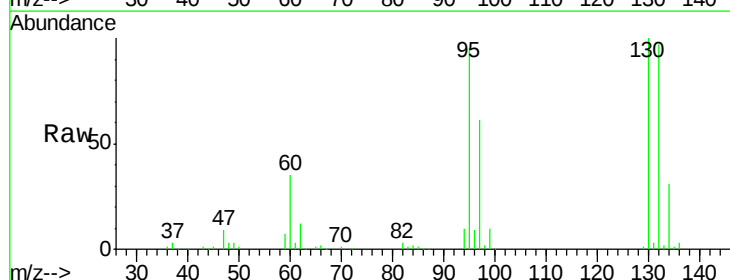
Manual Integrations
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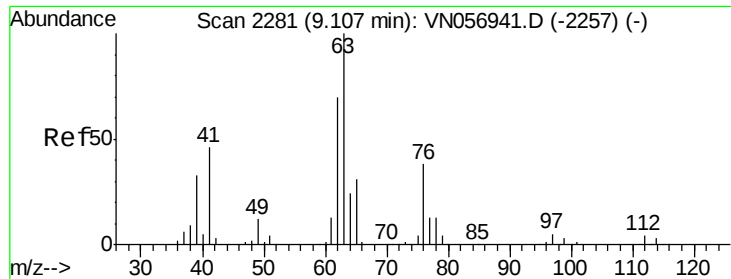
MMdadoda
8/2/2019 10:54:23 PM



#44
Trichloroethene
Concen: 50.735 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	189.0





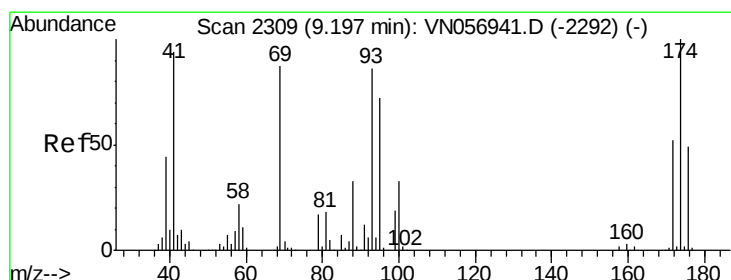
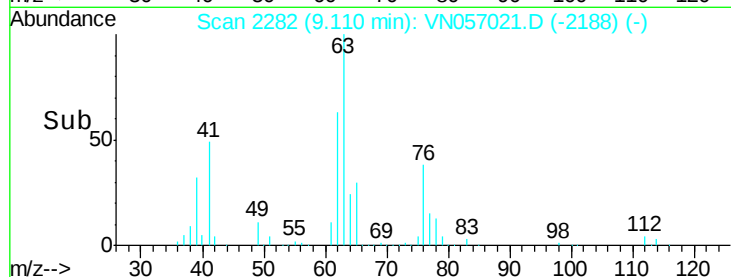
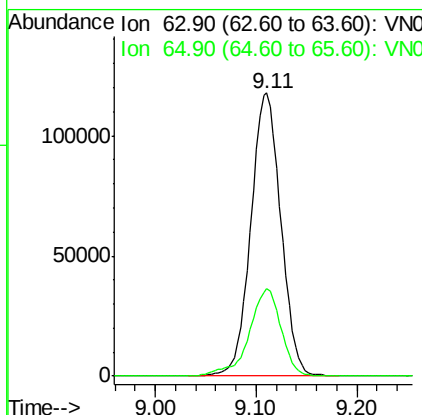
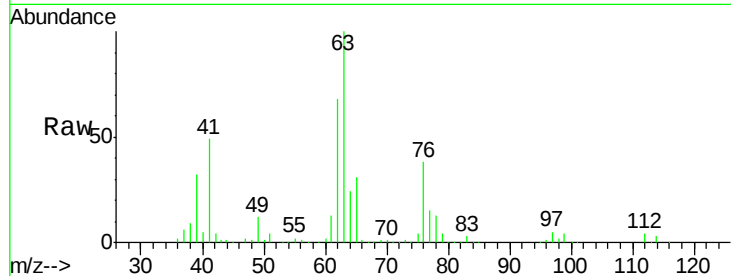
#45
 1,2-Dichloropropane
 Concen: 50.541 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 242493
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.8 37.2

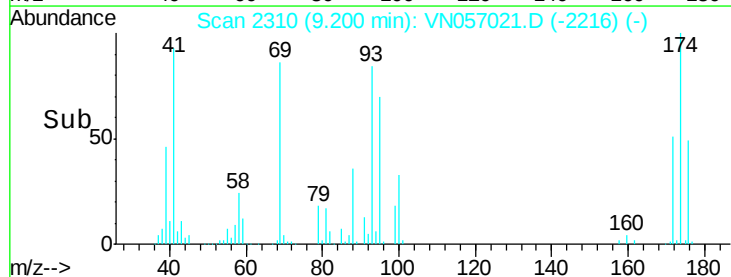
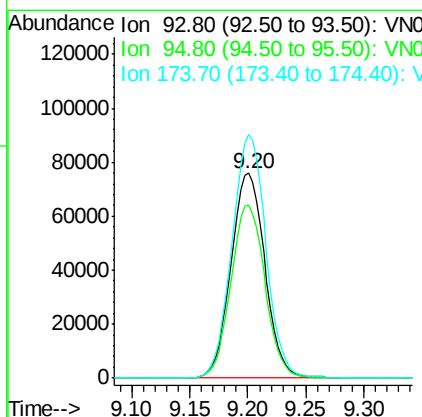
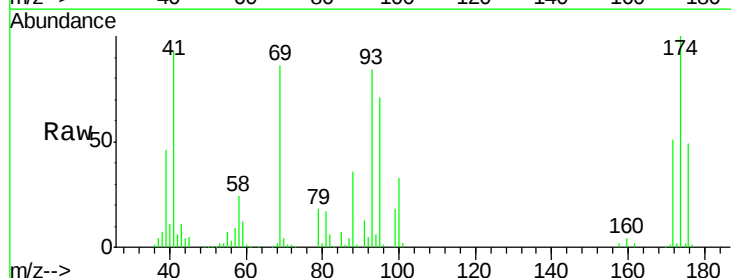
Manual Integrations
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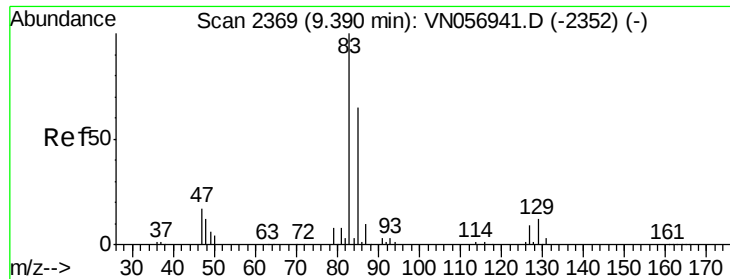
MMdadoda
 8/2/2019 10:54:23 PM



#46
 Dibromomethane
 Concen: 53.296 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Tgt Ion: 93 Resp: 154212
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.0 100.6
 174 119.0 92.7 139.1





#47

Bromodichloromethane

Concen: 53.687 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

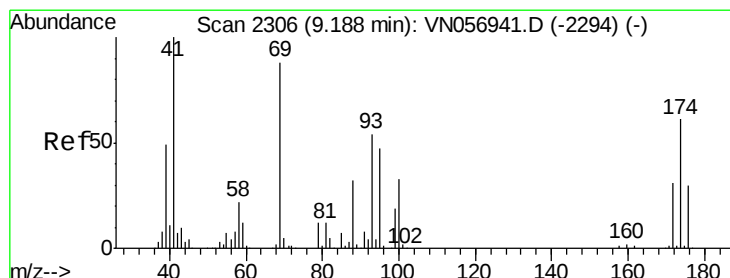
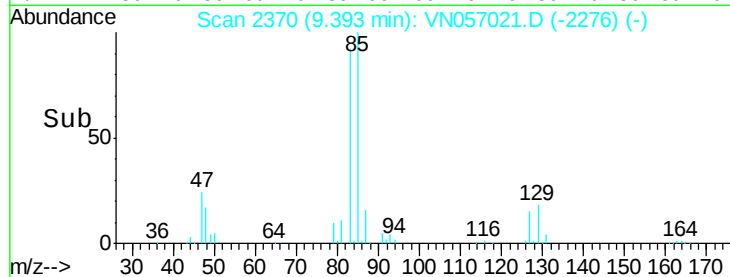
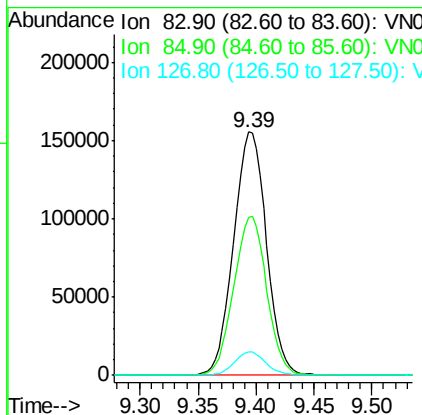
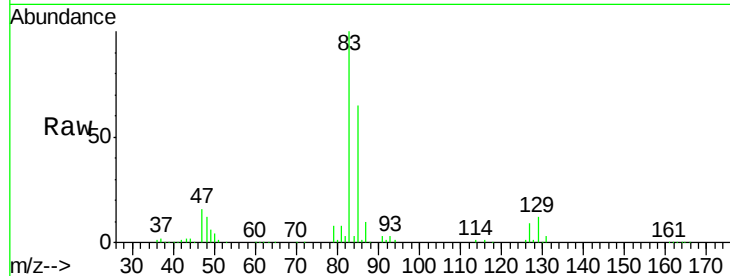
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	305419
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.6	77.4
127	9.4	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.251 ug/l

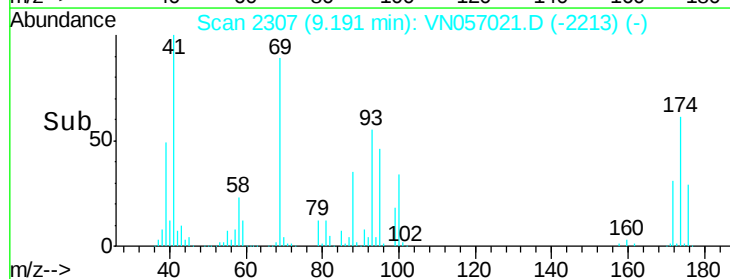
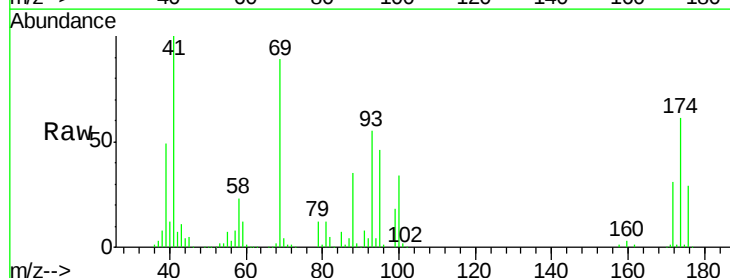
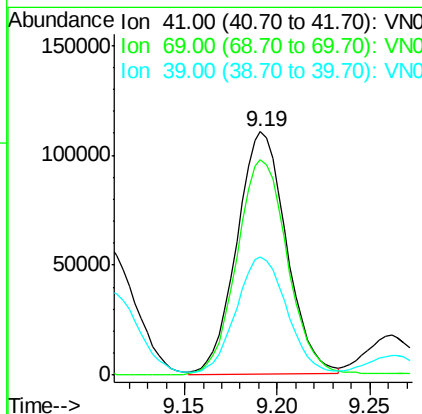
RT: 9.19 min Scan# 2307

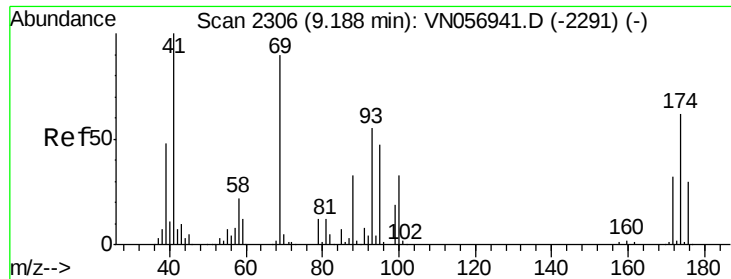
Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Tgt Ion:	41	Resp:	205650
Ion Ratio	Lower	Upper	
41	100		
69	91.2	73.4	110.0
39	50.1	39.9	59.9





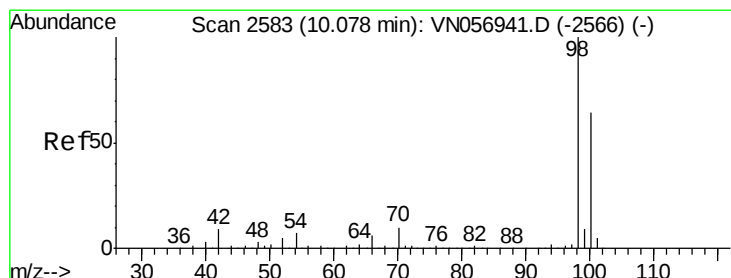
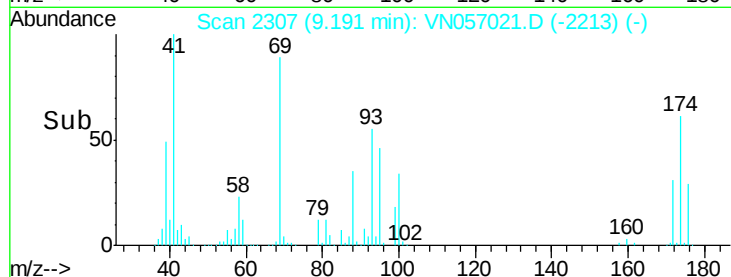
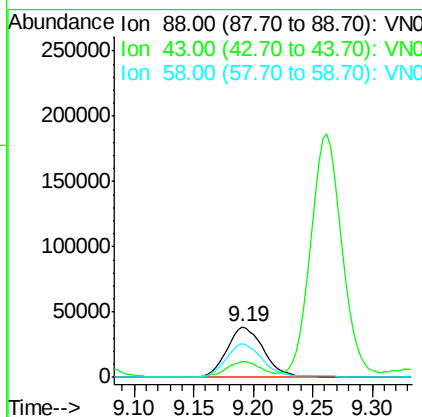
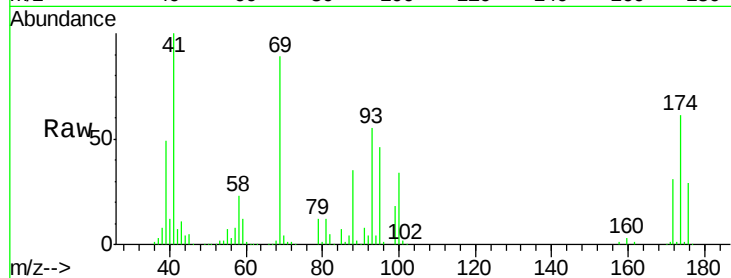
#49
1,4-Dioxane
Concen: 1093.339 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	83864
Ion	Ratio	Lower	Upper
88	100		
43	28.6	22.2	33.2
58	65.5	54.1	81.1

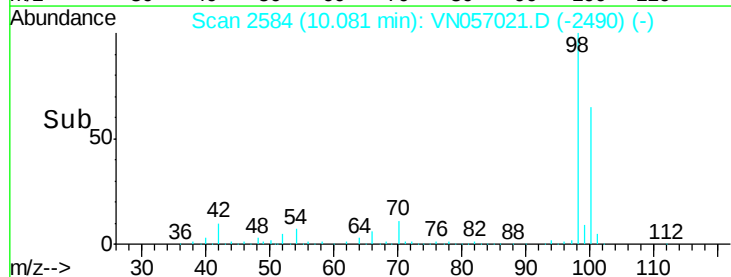
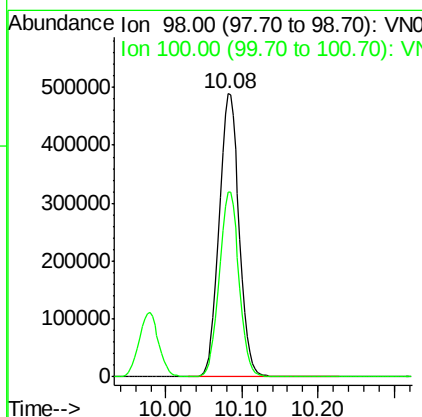
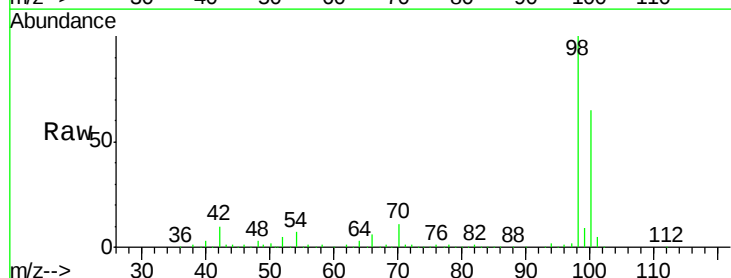
Manual Integrations
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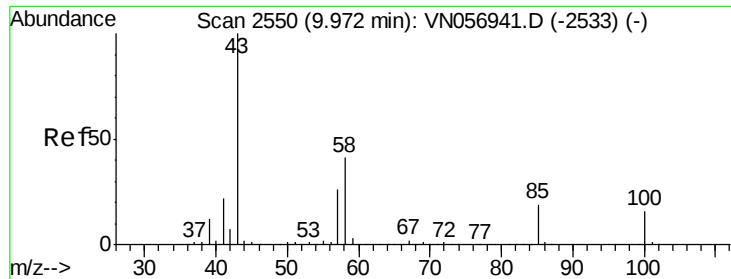
MMdadoda
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#50
Toluene-d8
Concen: 55.170 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion	98	Resp	891420
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 270.420 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1238703

Ion Ratio Lower Upper

43 100

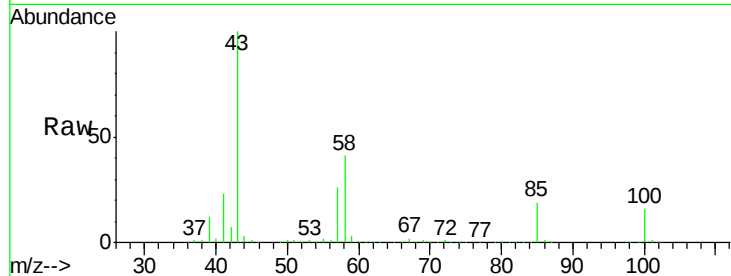
58 40.9 33.1 49.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

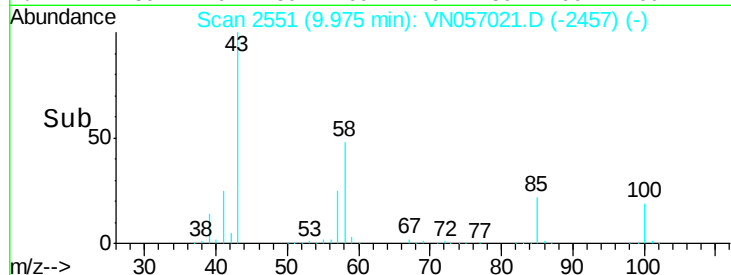
600000

400000

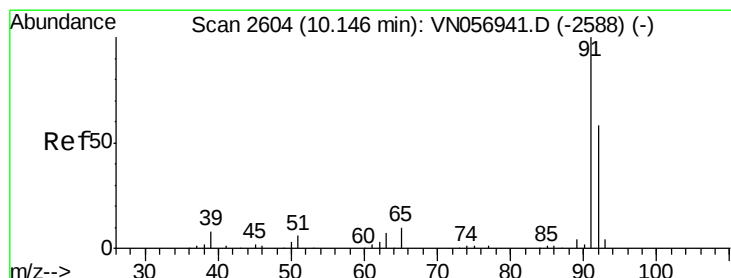
200000

0

Time-->



Time-->



#52

Toluene

Concen: 52.526 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057021.D

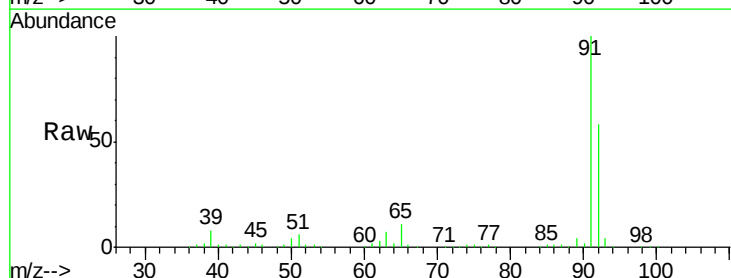
Acq: 31 Jul 2019 17:47

Tgt Ion: 92 Resp: 566081

Ion Ratio Lower Upper

92 100

91 172.5 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

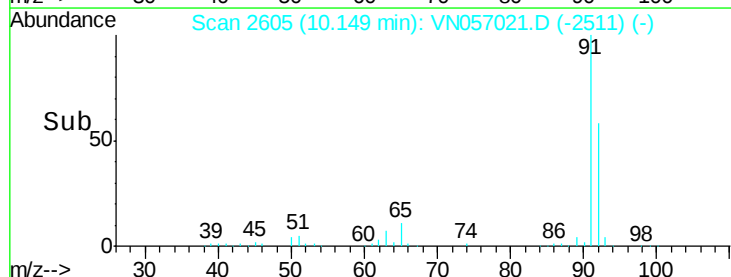
300000

200000

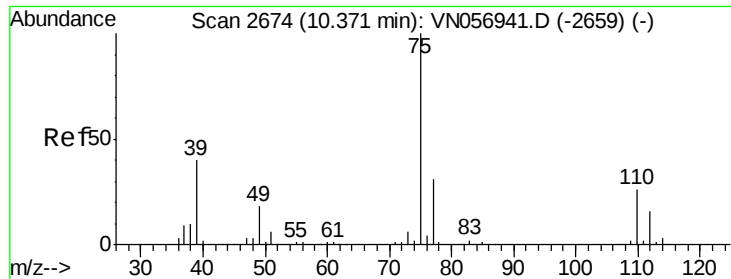
100000

0

Time-->



Time-->



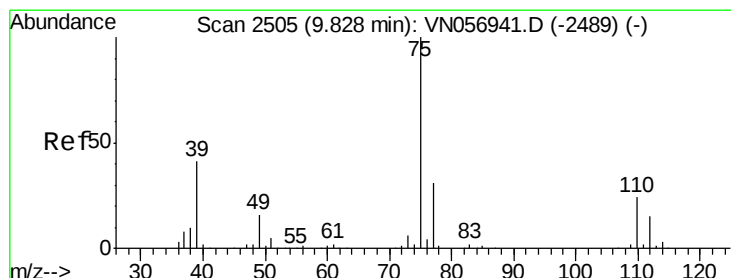
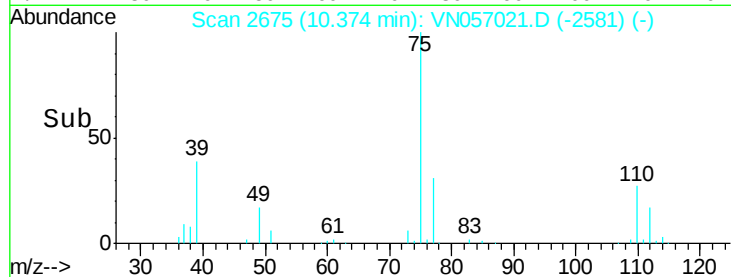
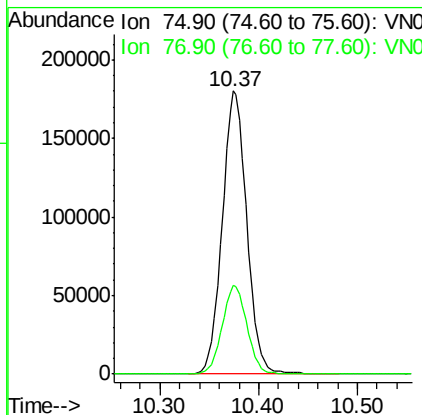
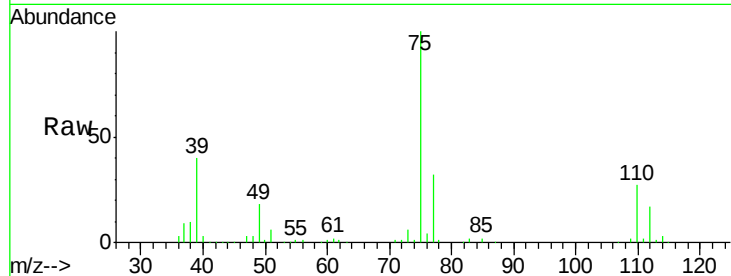
#53
t-1,3-Dichloropropene
Concen: 53.300 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 314652
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7

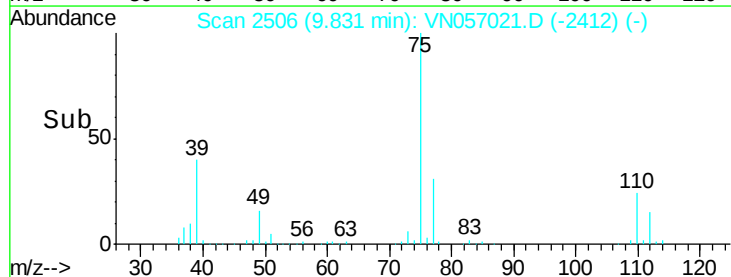
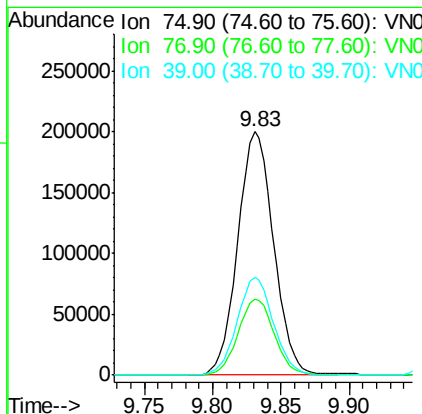
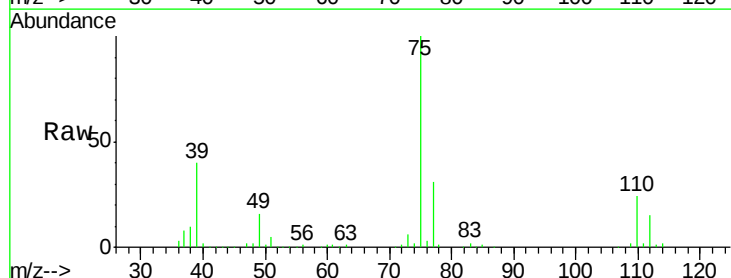
Manual Integrations
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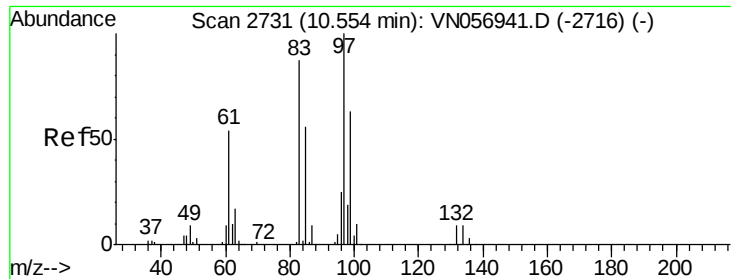
MMdadoda
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#54
cis-1,3-Dichloropropene
Concen: 53.206 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion: 75 Resp: 365209
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.6
39 40.2 32.6 49.0





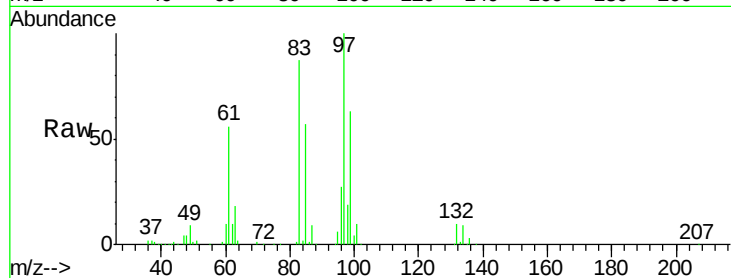
#55
 1,1,2-Trichloroethane
 Concen: 51.843 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	224064
Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.4	104.0
85	57.2	44.7	67.1
99	63.3	50.1	75.1

Manual Integrations
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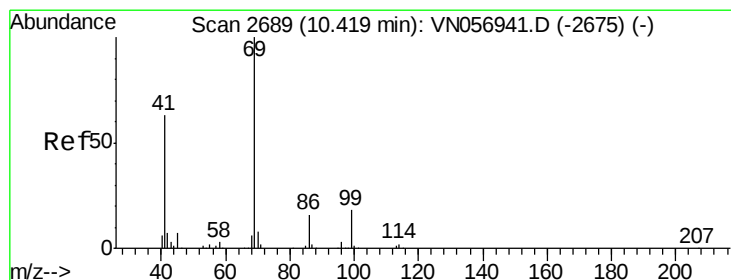
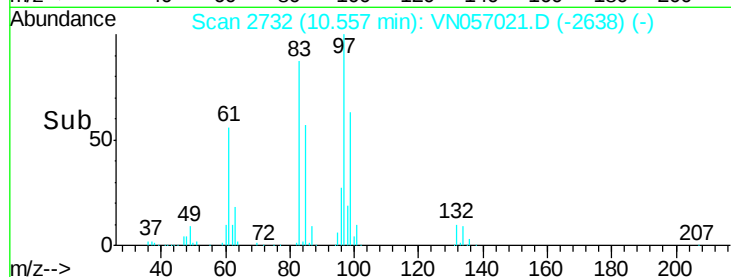
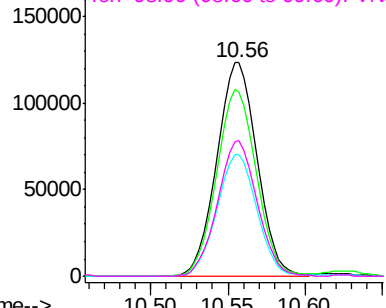


Abundance Ion 96.90 (96.60 to 97.60): VN056941.D (-2716) (-)

Ion 82.90 (82.60 to 83.60): VN056941.D (-2716) (-)

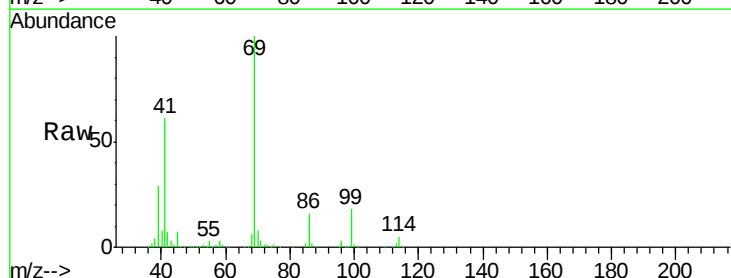
Ion 84.90 (84.60 to 85.60): VN056941.D (-2716) (-)

Ion 98.90 (98.60 to 99.60): VN056941.D (-2716) (-)



#56
 Ethyl methacrylate
 Concen: 50.103 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

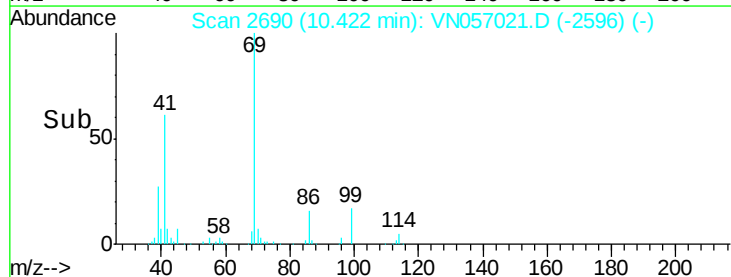
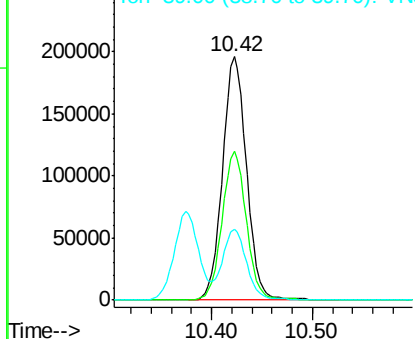
Tgt Ion:	69	Resp:	327046
Ion	Ratio	Lower	Upper
69	100		
41	61.1	49.2	73.8
39	29.0	23.1	34.7

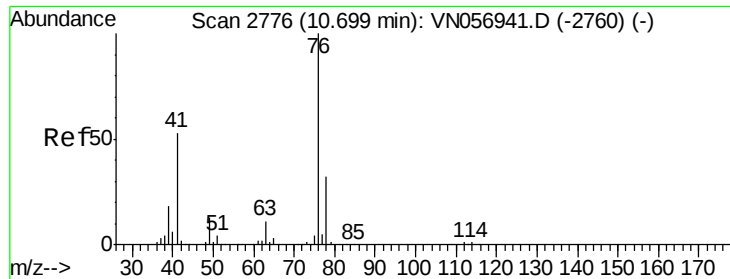


Abundance Ion 69.00 (68.70 to 69.70): VN056941.D (-2675) (-)

Ion 41.00 (40.70 to 41.70): VN056941.D (-2675) (-)

Ion 39.00 (38.70 to 39.70): VN056941.D (-2675) (-)





#57

1,3-Dichloropropane

Concen: 51.843 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 371548

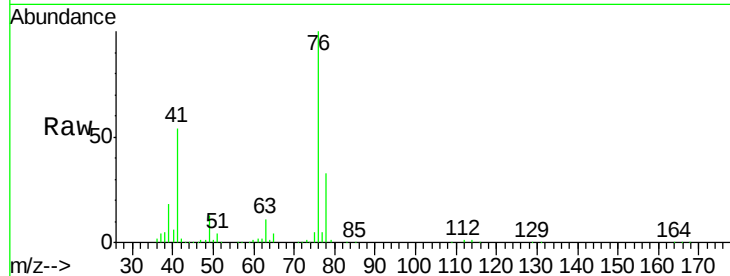
Ion Ratio Lower Upper

76 100

78 32.2 25.9 38.9

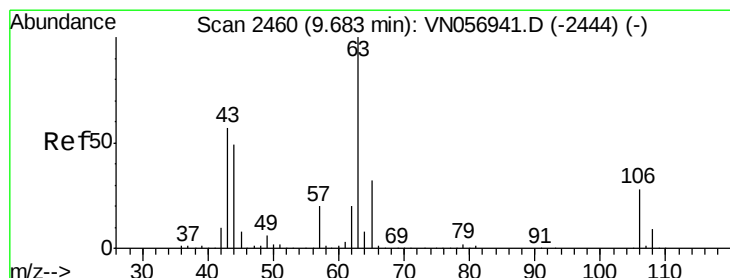
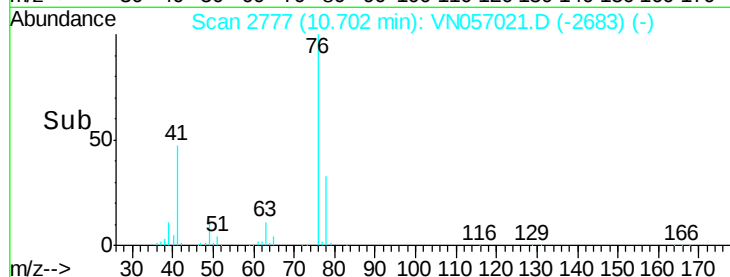
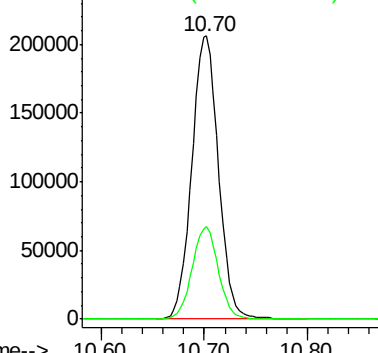
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 228.978 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN057021.D

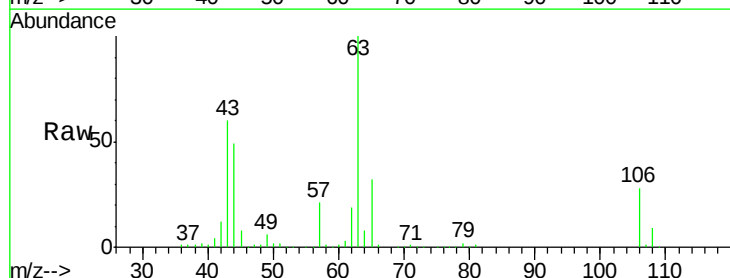
Acq: 31 Jul 2019 17:47

Tgt Ion: 63 Resp: 593041

Ion Ratio Lower Upper

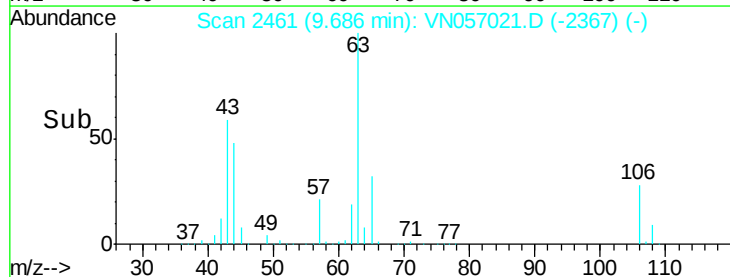
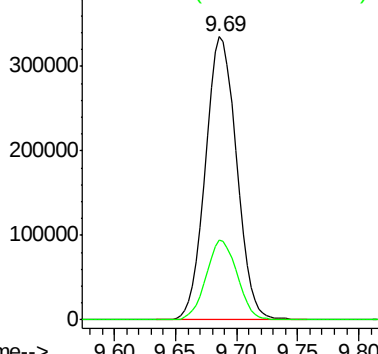
63 100

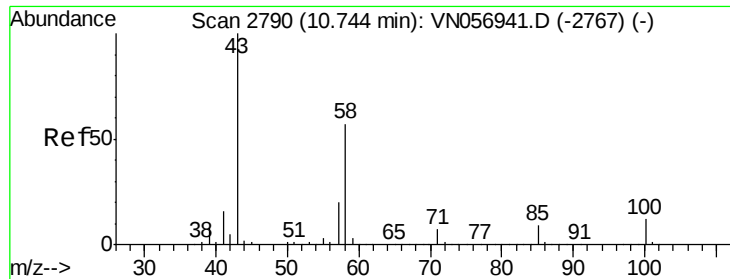
106 27.9 22.0 33.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





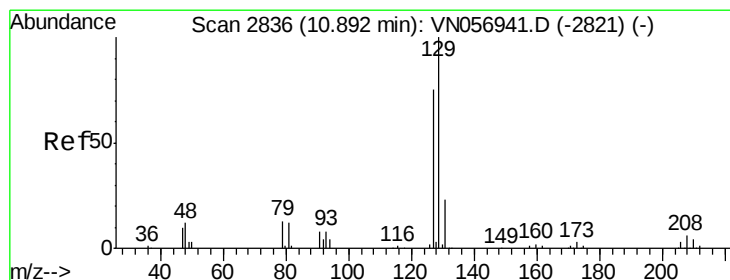
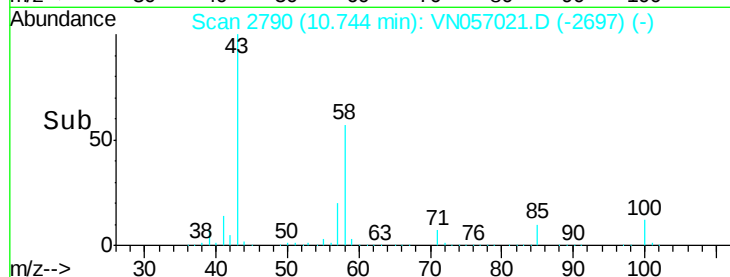
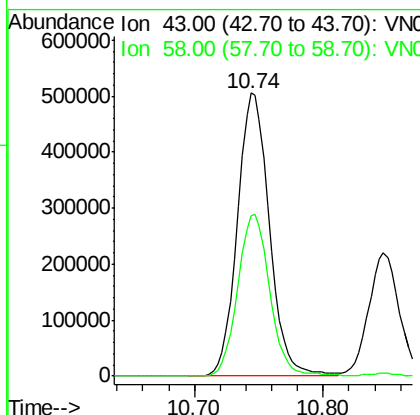
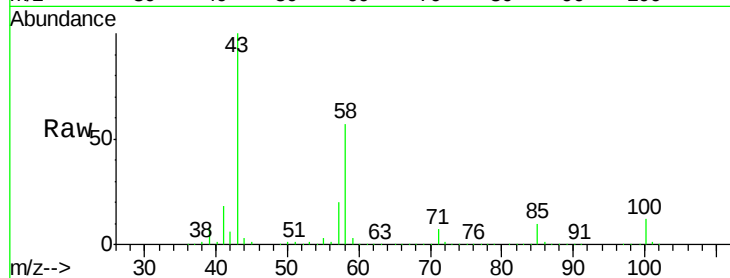
#59
2-Hexanone
Concen: 246.586 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 869723
Ion Ratio Lower Upper
43 100
58 57.5 28.5 85.5

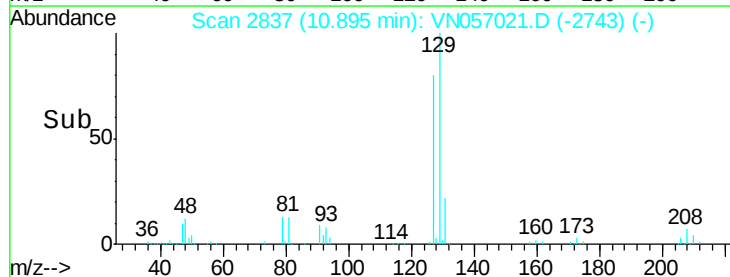
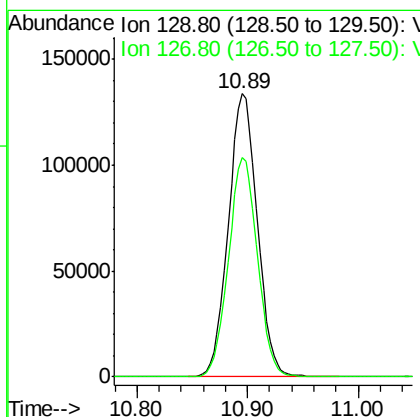
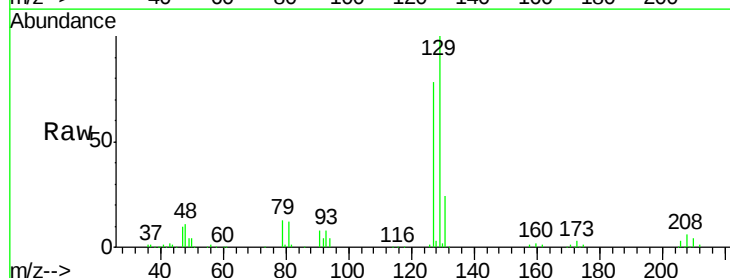
Manual Integrations
APPROVED

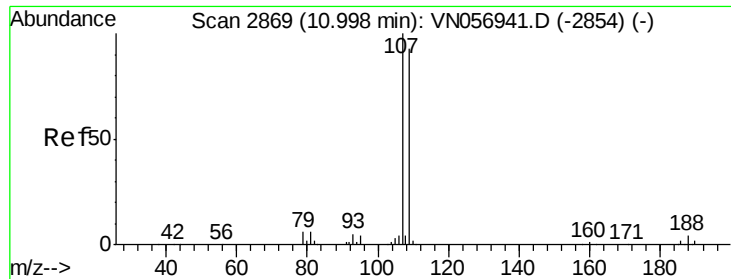
MMdadoda
8/2/2019 10:54:23 PM



#60
Dibromochloromethane
Concen: 55.031 ug/l
RT: 10.89 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion: 129 Resp: 243672
Ion Ratio Lower Upper
129 100
127 77.3 38.0 113.9





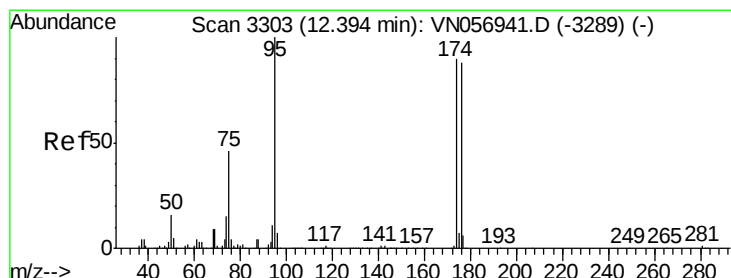
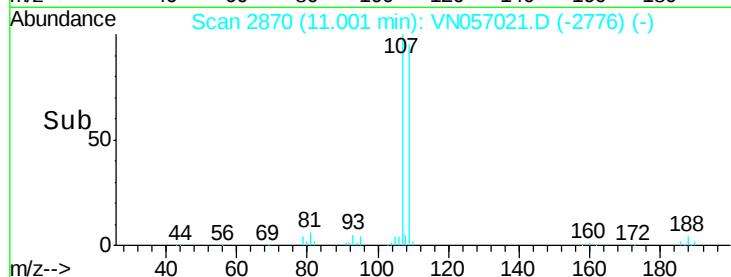
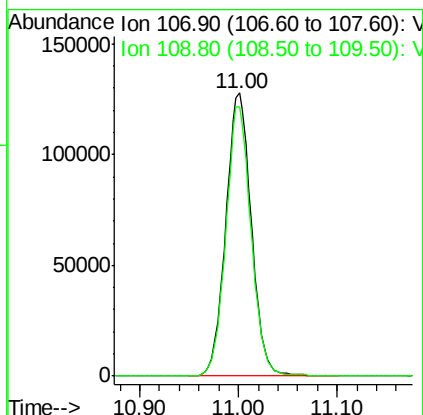
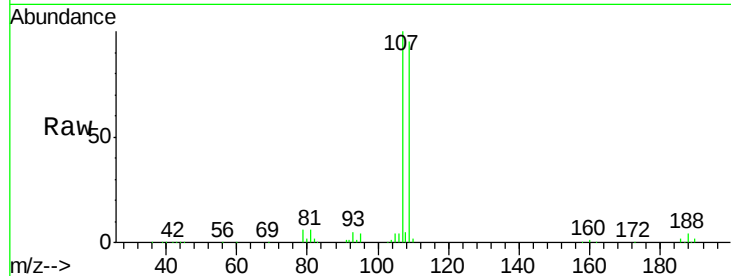
#61
1,2-Dibromoethane
Concen: 54.864 ug/l
RT: 11.00 min Scan# 2870
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.0	114.0

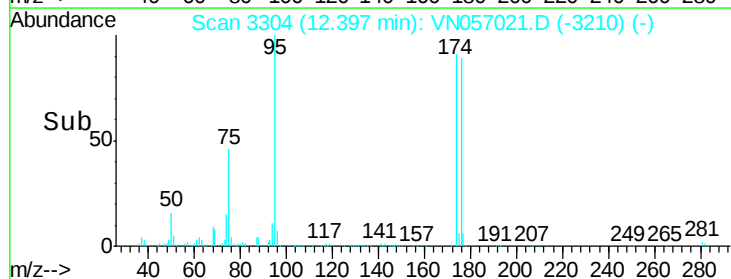
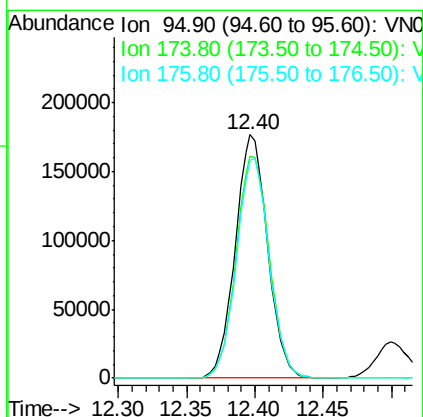
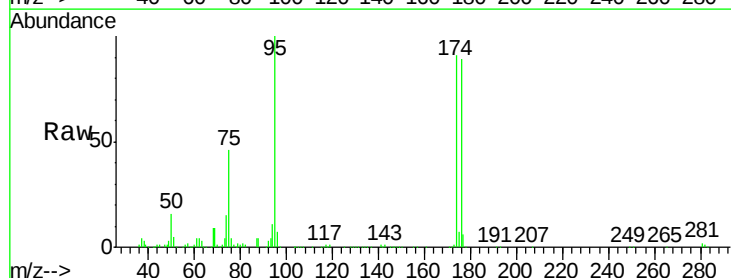
Manual Integrations
APPROVED

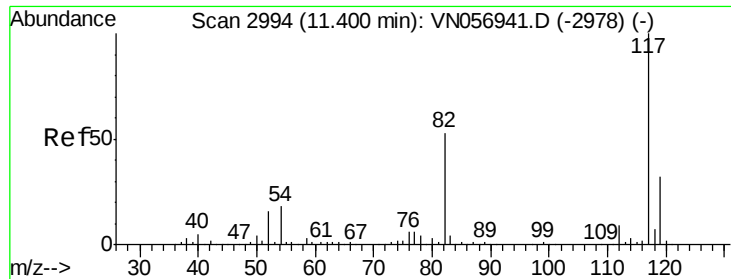
MMdadoda
8/2/2019 10:54:23 PM



#62
4-Bromofluorobenzene
Concen: 55.243 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.0	0.0	182.2
176	91.5	0.0	179.4





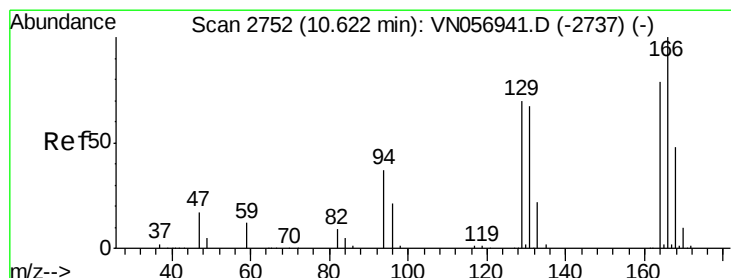
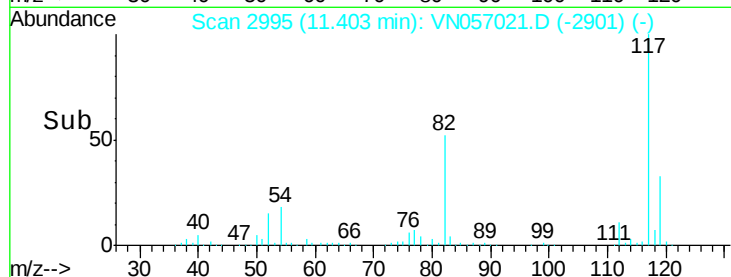
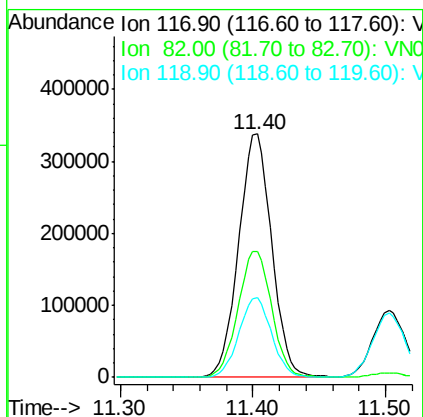
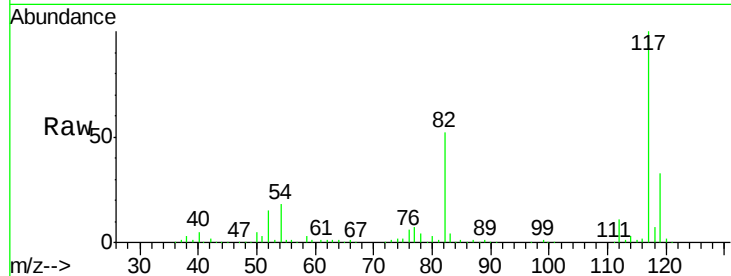
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	42.2	63.4
119	32.6	25.8	38.6

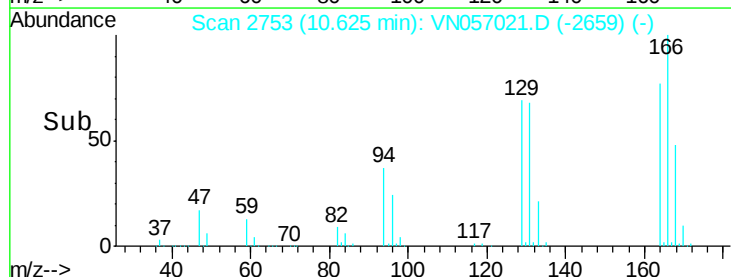
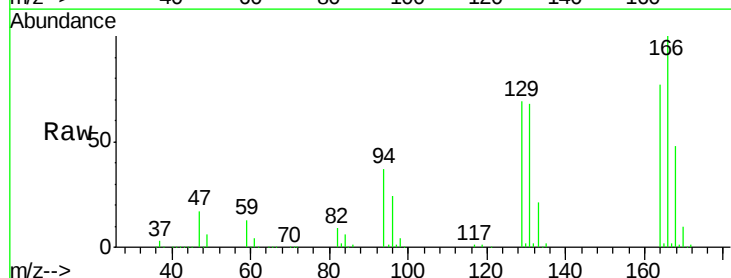
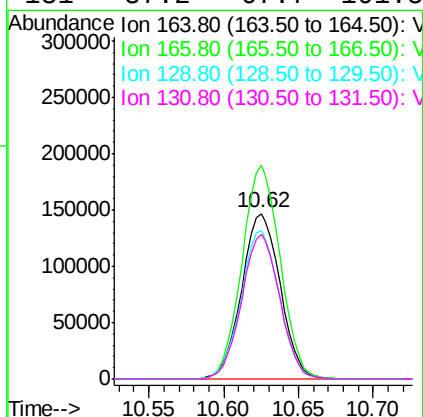
Manual Integrations
APPROVED

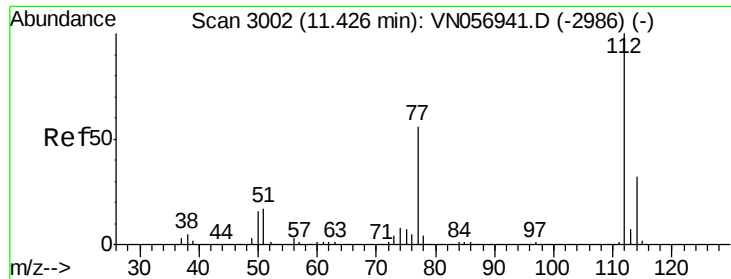
MMdadoda
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#64
Tetrachloroethene
Concen: 52.082 ug/l
RT: 10.62 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.1	151.7
129	89.5	70.9	106.3
131	87.2	67.7	101.5





#65

Chlorobenzene

Concen: 50.934 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 608837

Ion Ratio Lower Upper

112 100

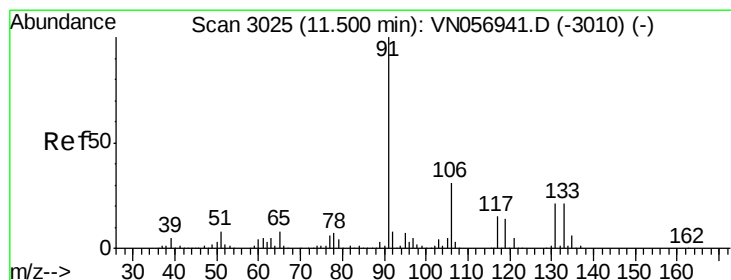
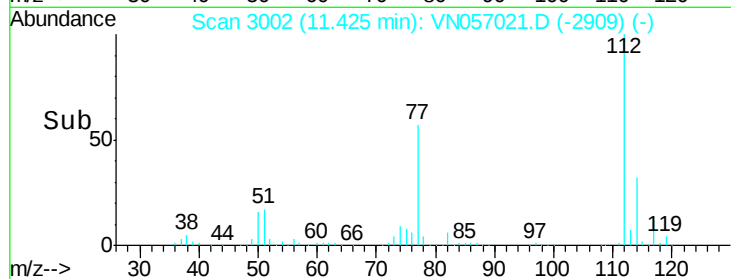
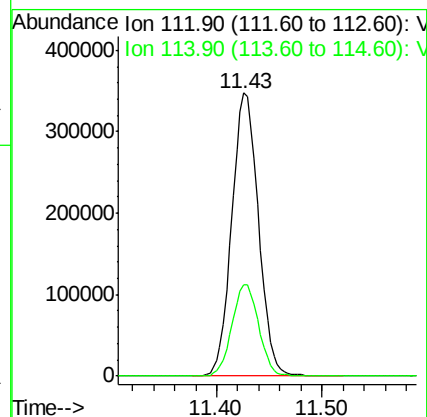
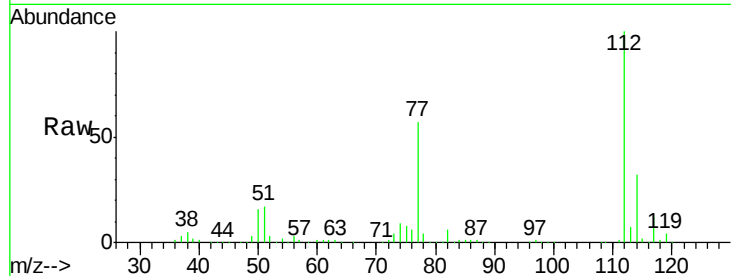
114 32.4 26.0 39.0

Manual Integrations

APPROVED

MMdadoda

8/2/2019 10:54:23 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 52.423 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

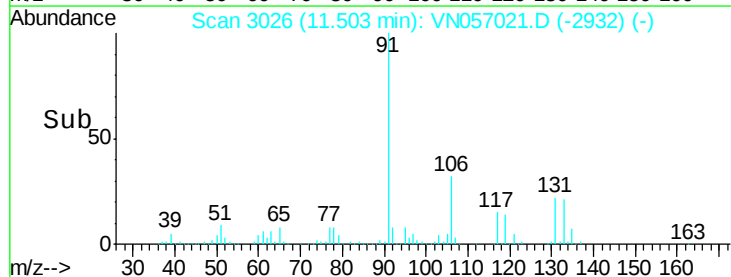
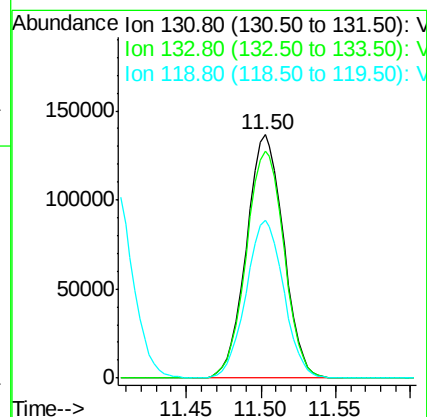
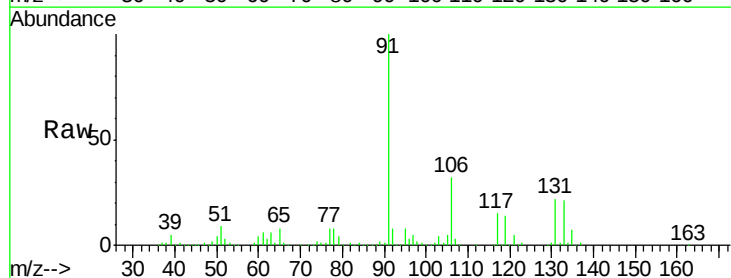
Tgt Ion:131 Resp: 235856

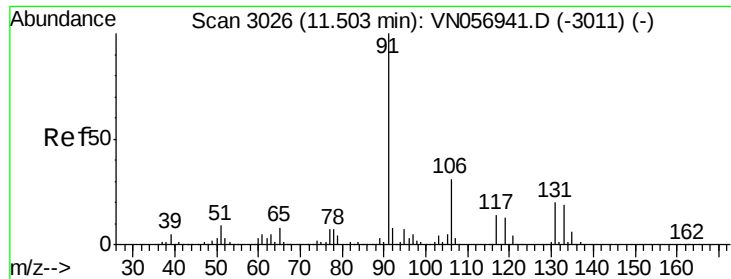
Ion Ratio Lower Upper

131 100

133 95.0 48.0 144.0

119 65.6 33.2 99.6





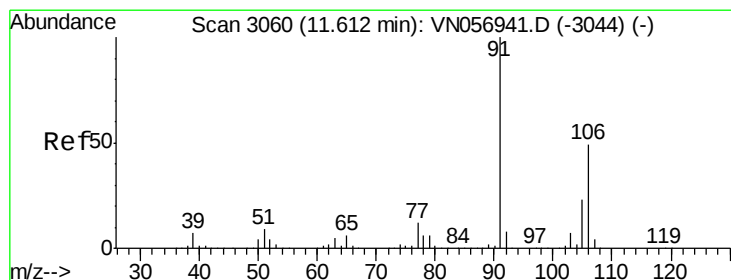
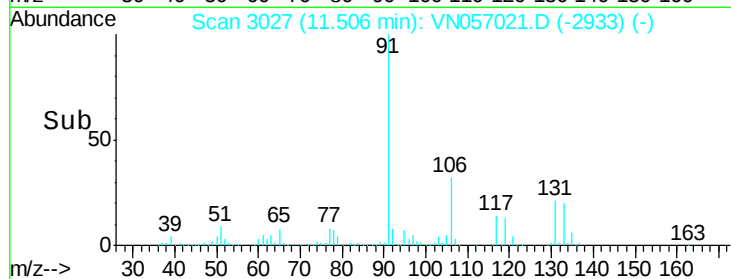
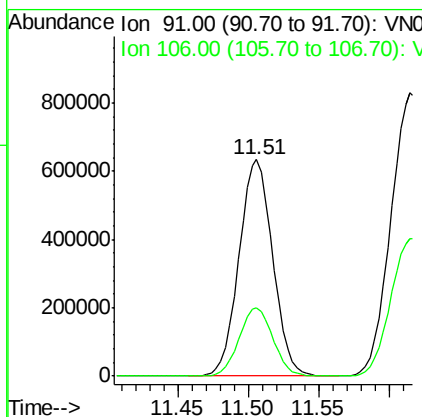
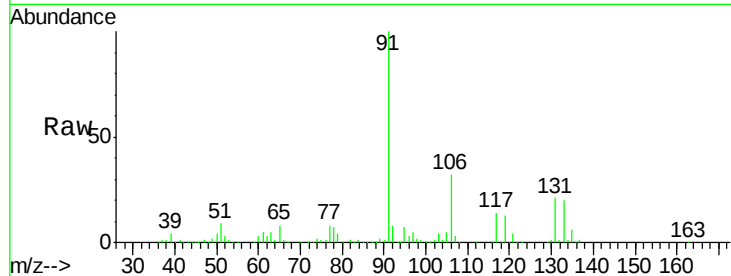
#67
Ethyl Benzene
Concen: 51.426 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1062407
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7

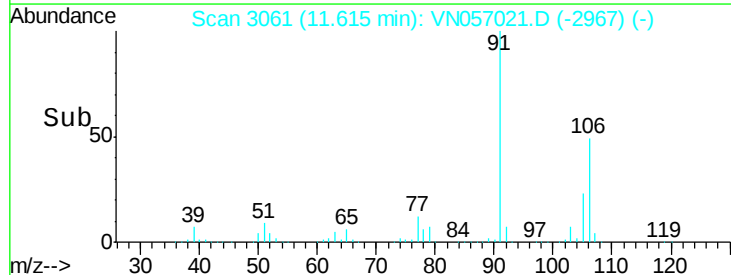
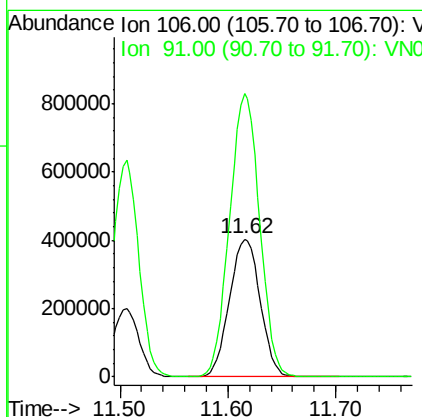
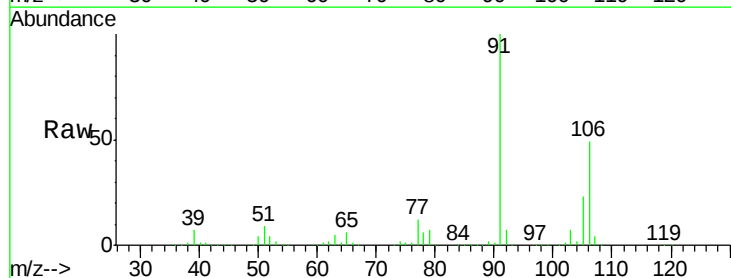
Manual Integrations
APPROVED

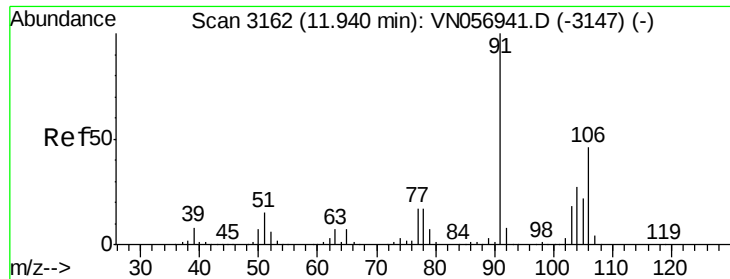
MMdadoda
8/2/2019 10:54:23 PM



#68
m/p-Xylenes
Concen: 105.323 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion: 106 Resp: 803020
Ion Ratio Lower Upper
106 100
91 200.8 160.0 240.0





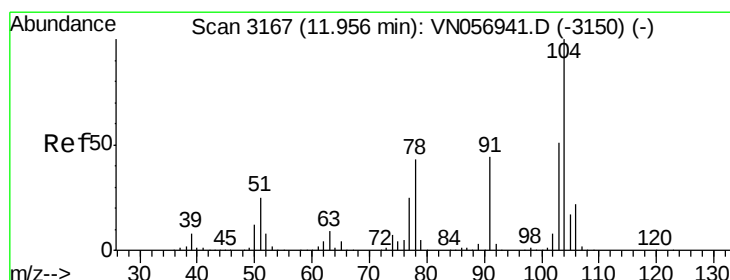
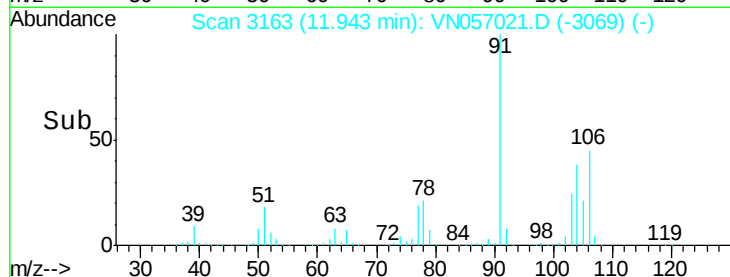
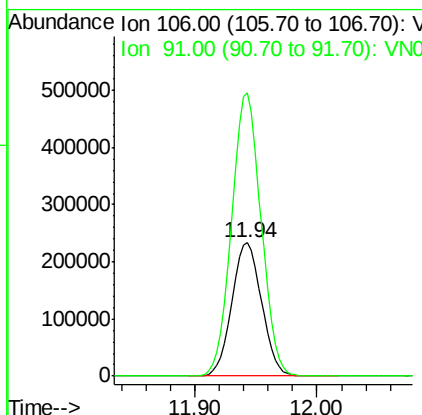
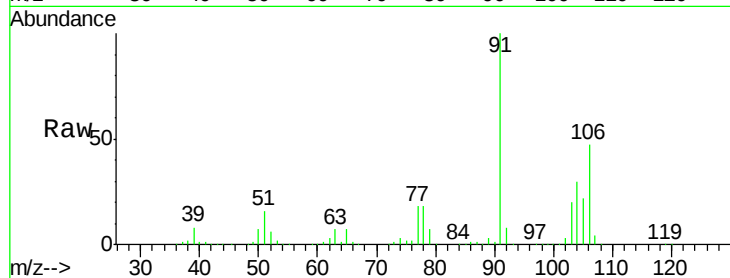
#69
o-Xylene
Concen: 52.996 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion:106 Resp: 395311
Ion Ratio Lower Upper
106 100
91 210.2 106.2 318.6

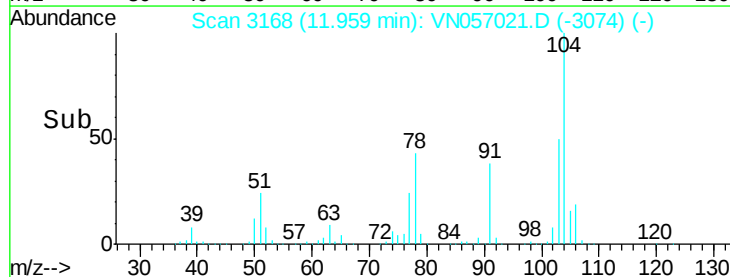
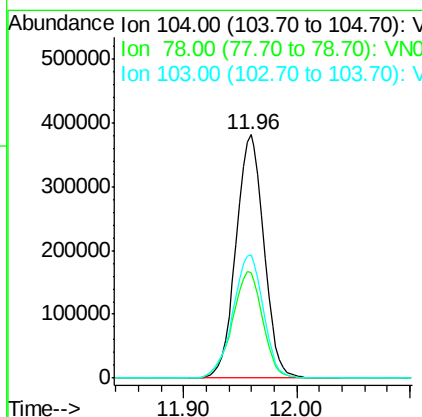
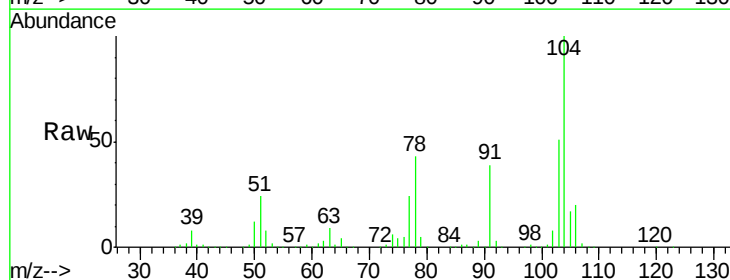
Manual Integrations
APPROVED

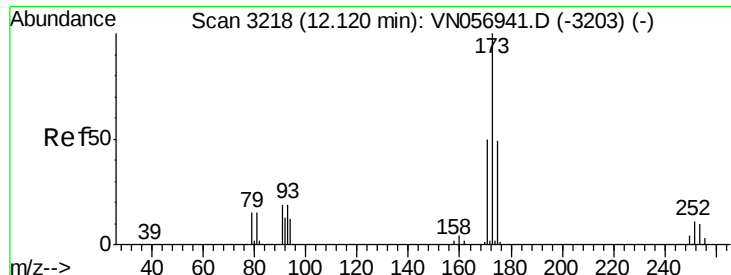
MMdadoda
8/2/2019 10:54:23 PM



#70
Styrene
Concen: 49.820 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion:104 Resp: 656758
Ion Ratio Lower Upper
104 100
78 47.7 38.1 57.1
103 55.2 44.3 66.5





#71

Bromoform

Concen: 55.756 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

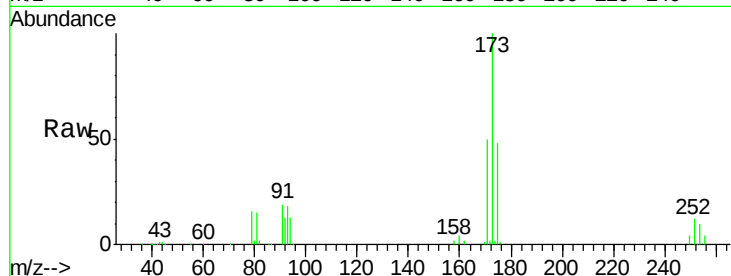
ClientSampled :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.4
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

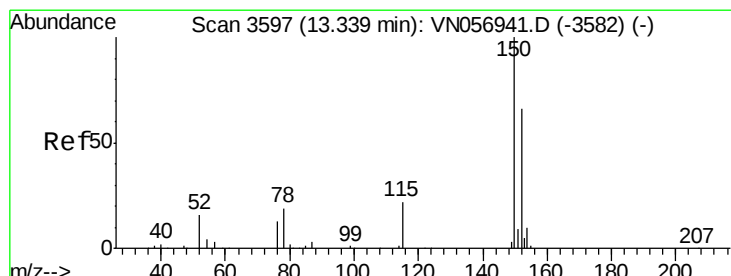
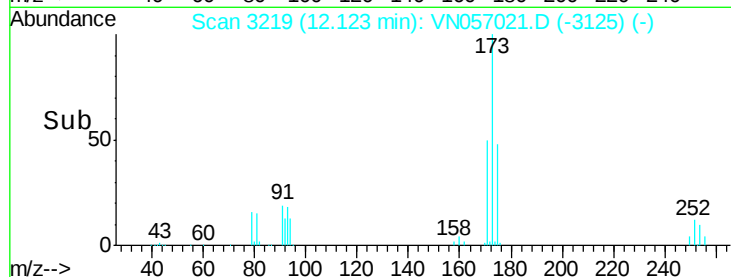
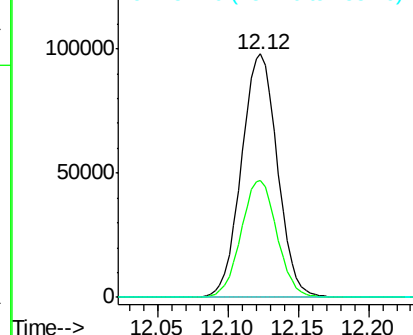
MMdadoda
8/2/2019 10:54:23 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

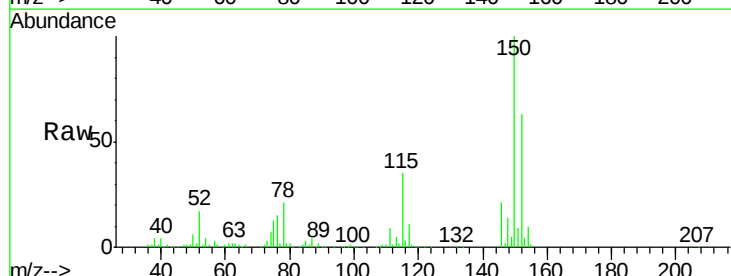
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

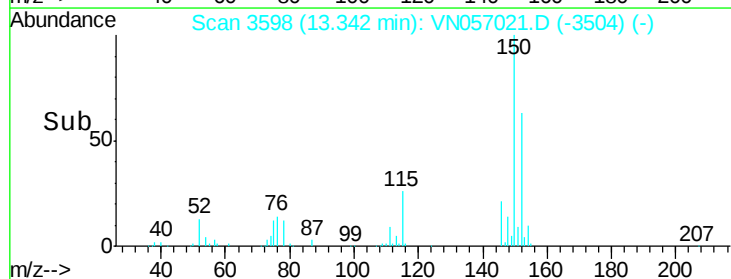
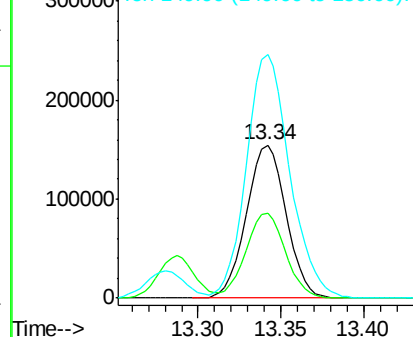
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.2	84.6
150	174.5	0.0	349.4

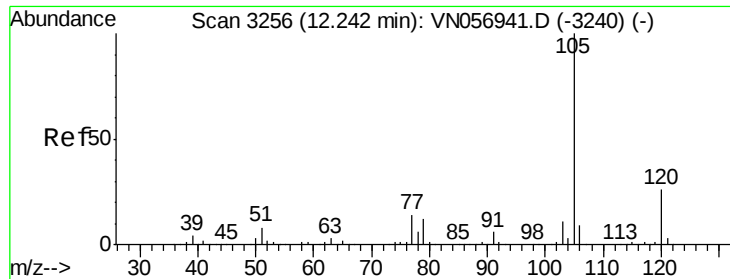


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.319 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1050089

Ion Ratio Lower Upper

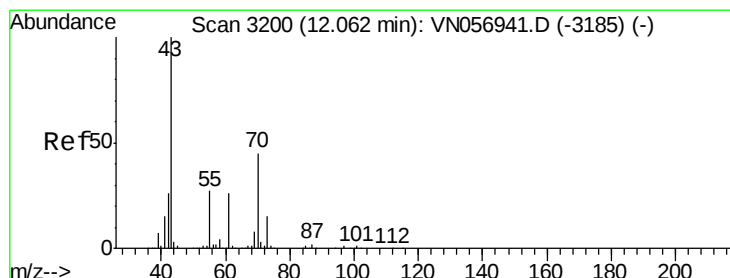
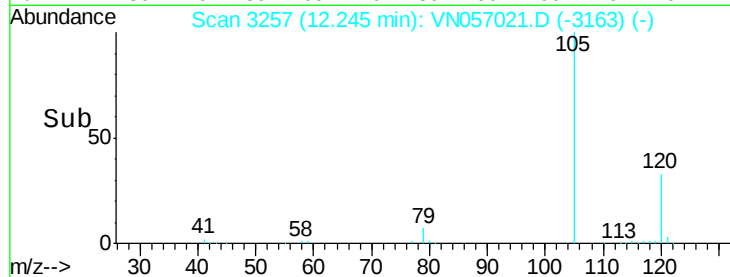
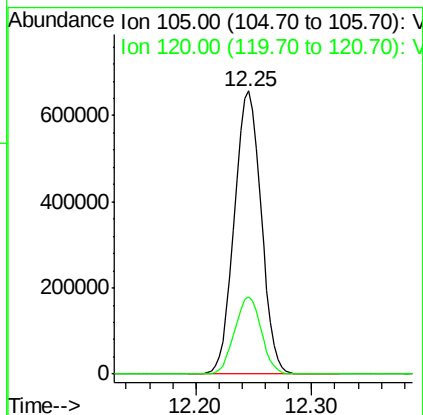
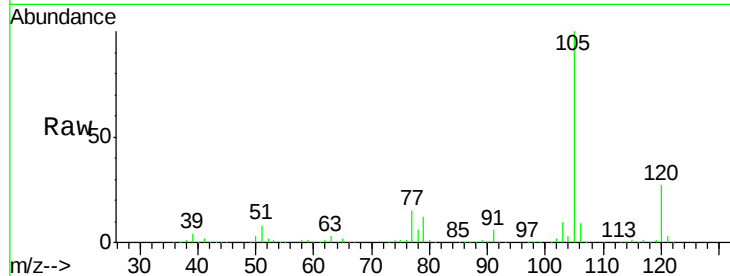
105 100

120 27.2 13.5 40.5

Manual Integrations
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MMdadoda

8/2/2019 10:54:23 PM



#74

N-ethyl acetate

Concen: 51.415 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Tgt Ion: 43 Resp: 331304

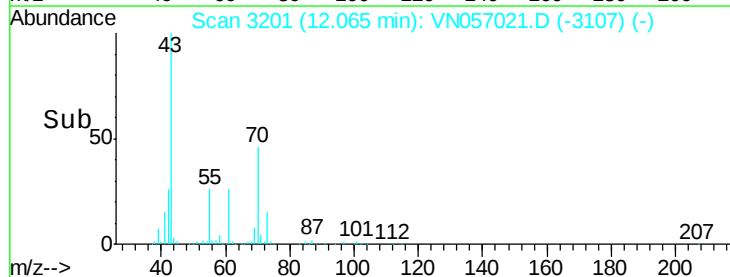
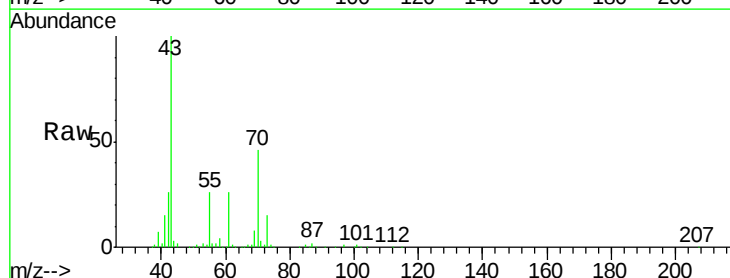
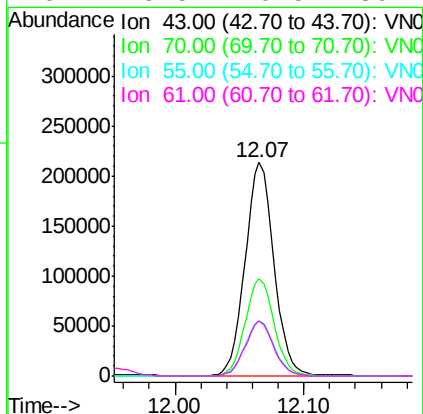
Ion Ratio Lower Upper

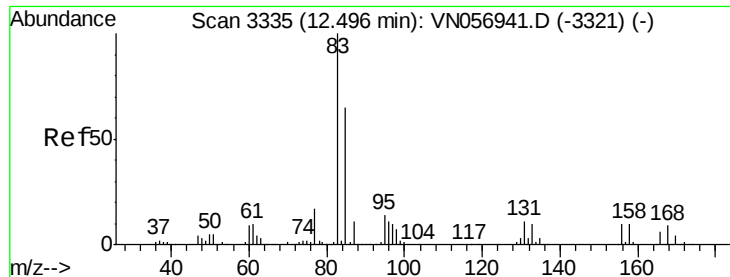
43 100

70 46.2 36.5 54.7

55 26.4 21.4 32.0

61 25.5 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 52.727 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

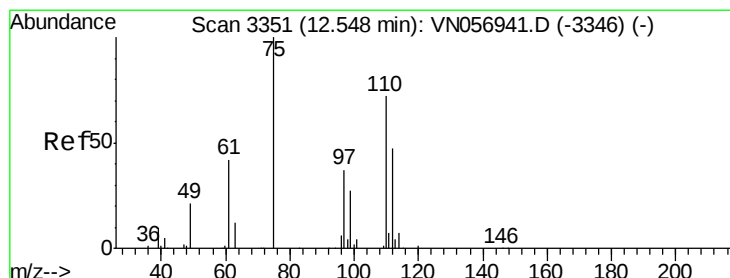
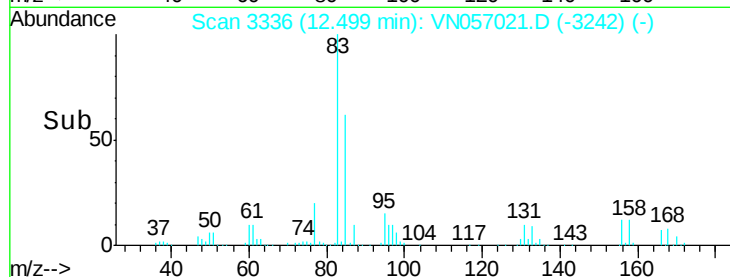
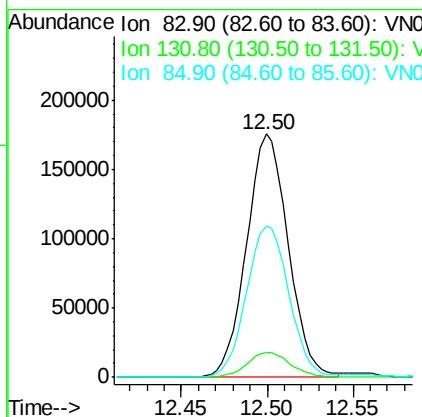
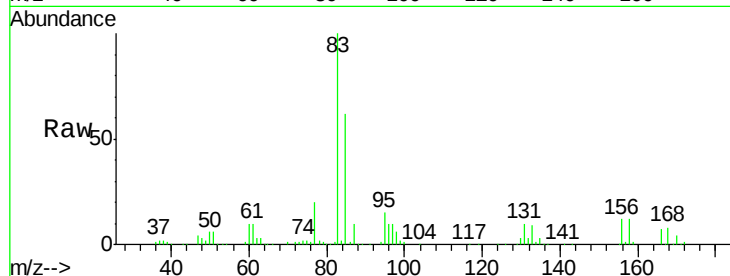
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	294976
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	16.1
85	63.5	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.484 ug/l m

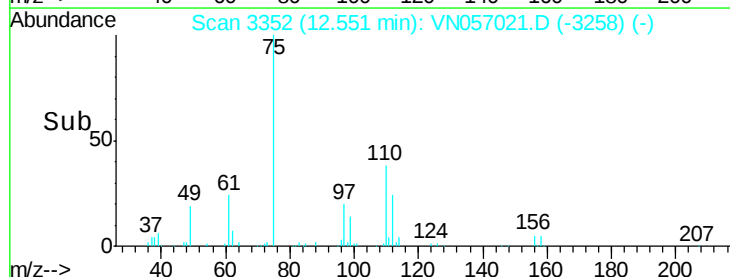
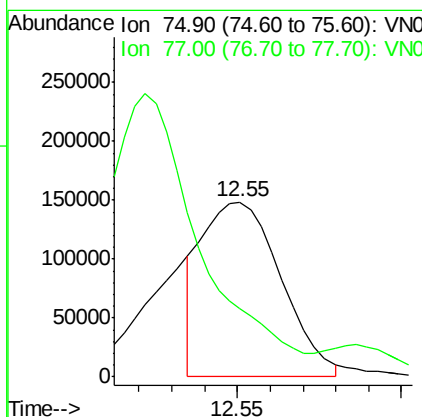
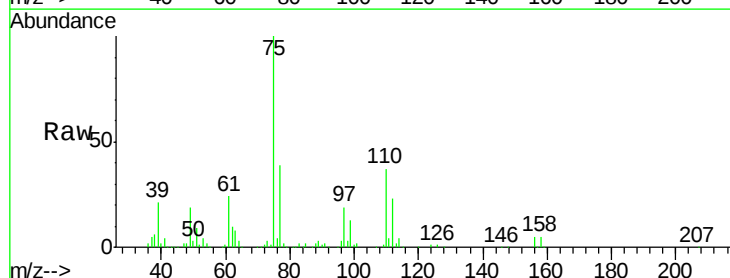
RT: 12.55 min Scan# 3352

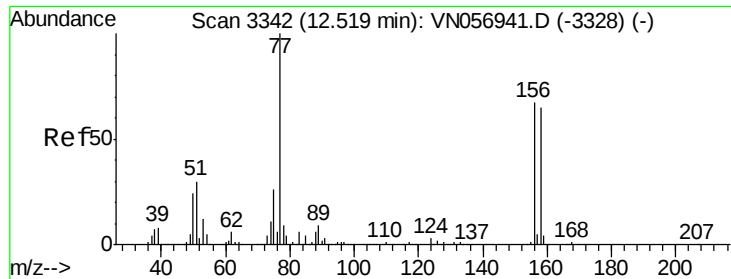
Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Tgt Ion:	75	Resp:	247618
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.199 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 279167

Ion Ratio Lower Upper

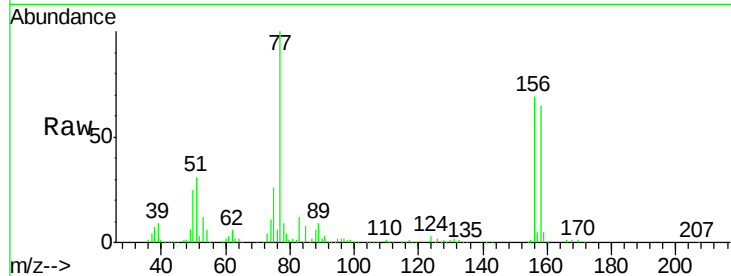
156 100

77 177.2 89.5 268.5

158 97.2 48.4 145.3

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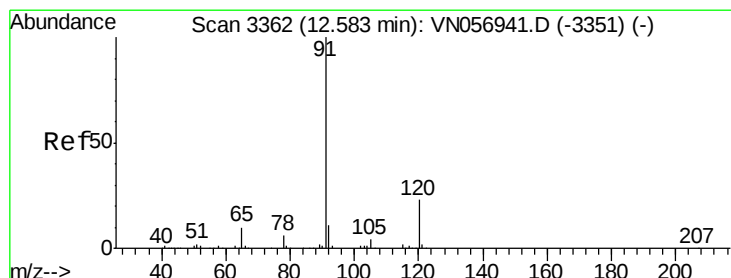
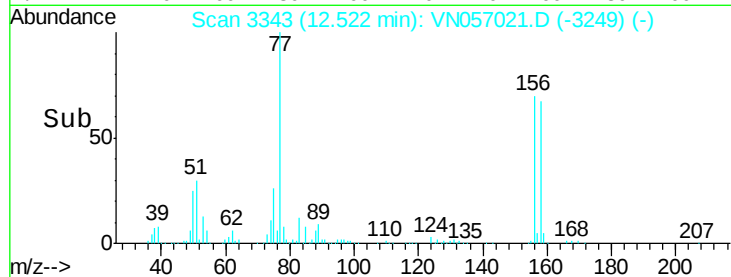
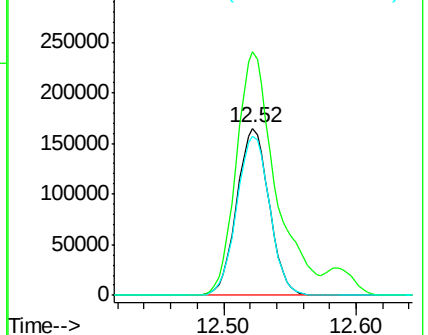
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.356 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN057021.D

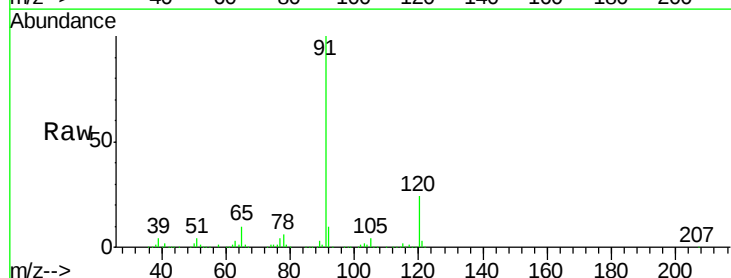
Acq: 31 Jul 2019 17:47

Tgt Ion: 91 Resp: 1145795

Ion Ratio Lower Upper

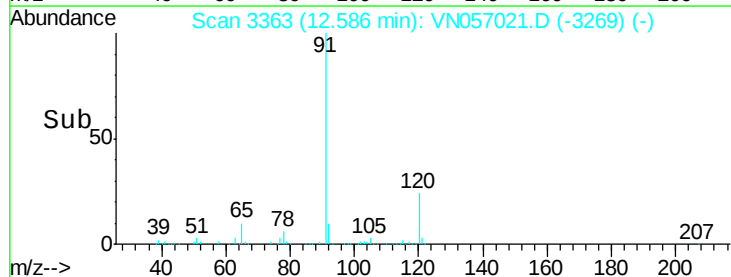
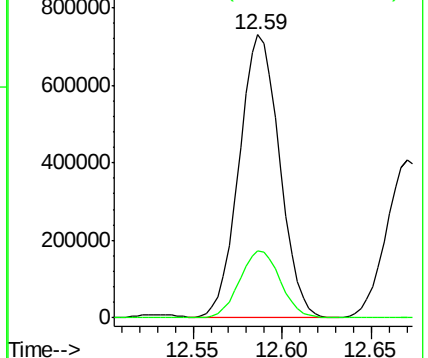
91 100

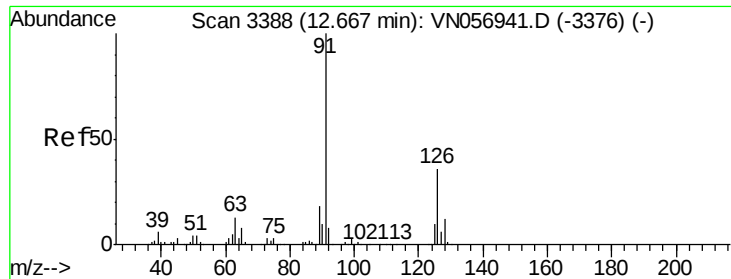
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.963 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 685206

Ion Ratio Lower Upper

91 100

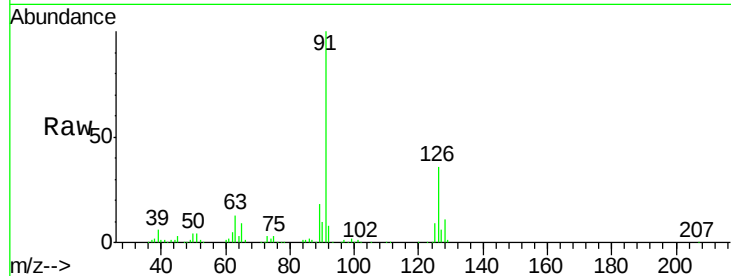
126 36.4 17.9 53.7

Manual Integrations

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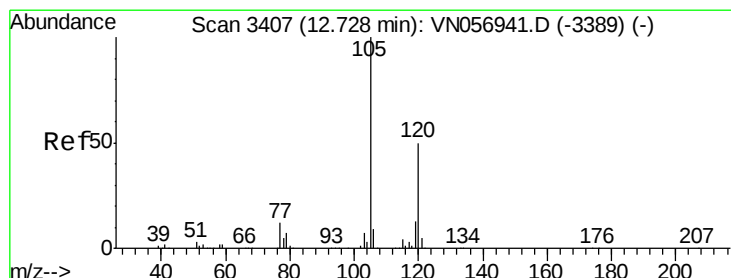
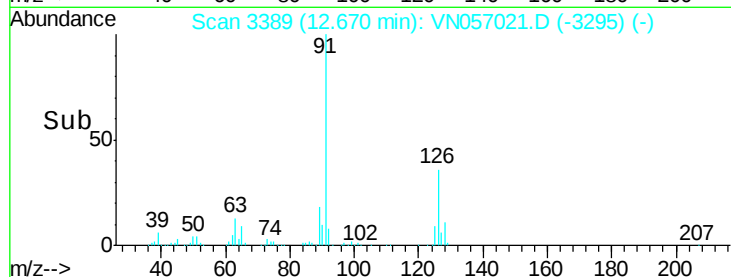
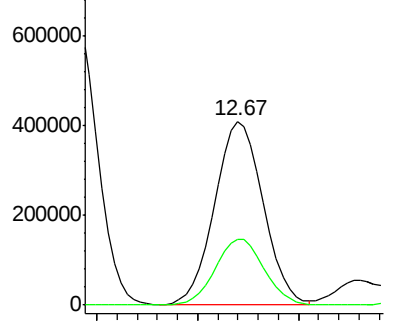
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Abundance Ion 91.00 (90.70 to 91.70): VN056941.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN056941.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.684 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN057021.D

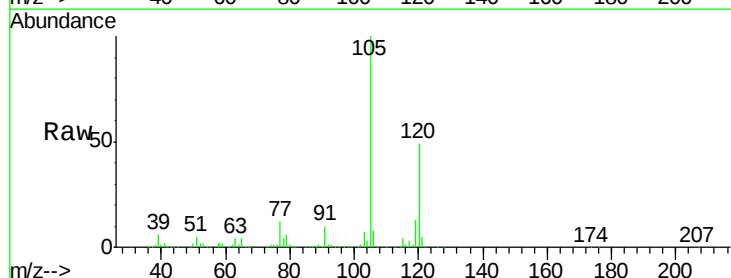
Acq: 31 Jul 2019 17:47

Tgt Ion: 105 Resp: 886703

Ion Ratio Lower Upper

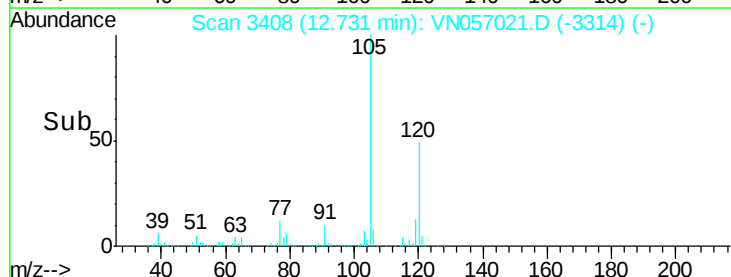
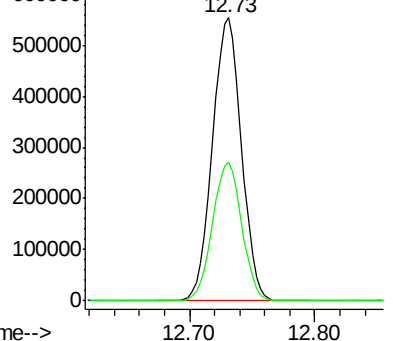
105 100

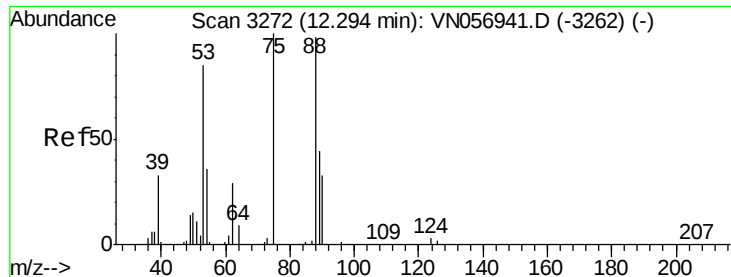
120 49.5 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056941.D (-3389) (-)

Ion 120.00 (119.70 to 120.70): VN056941.D (-3389) (-)





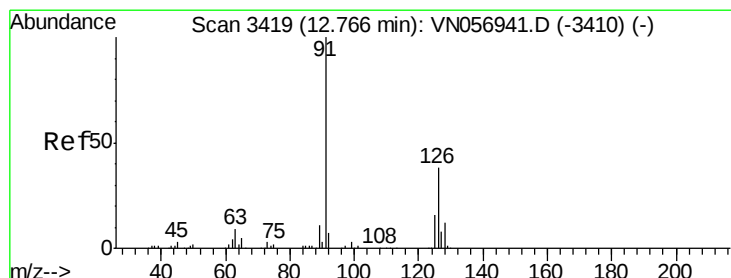
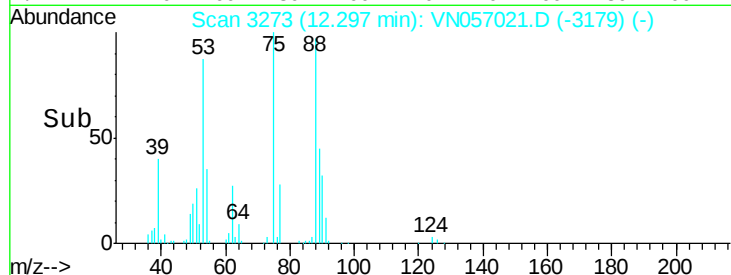
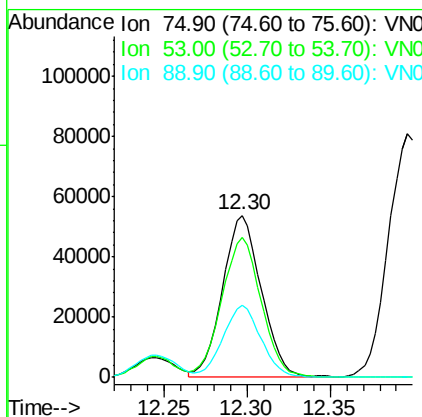
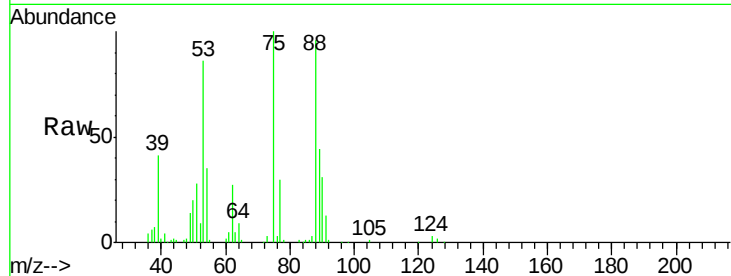
#81
trans-1,4-Dichloro-2-butene
Concen: 54.044 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.0	69.3	103.9
89	43.5	35.8	53.6

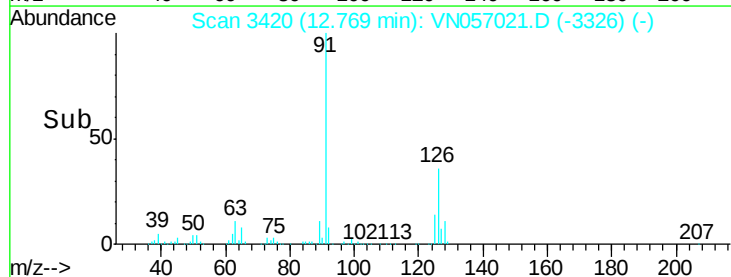
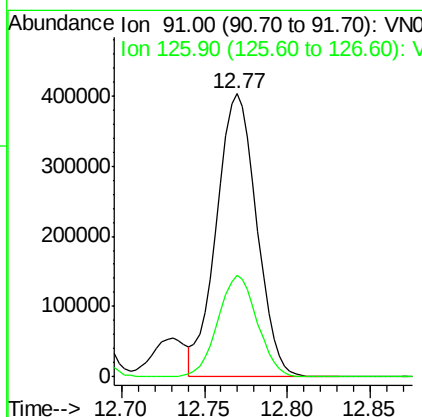
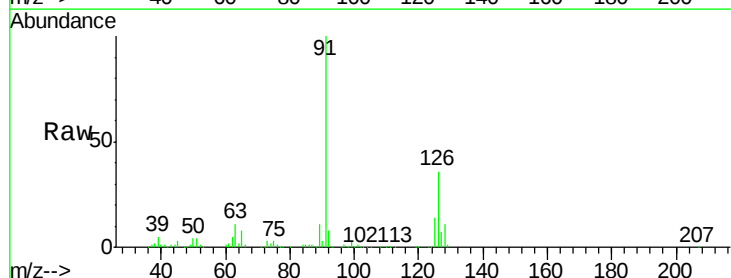
Manual Integrations
APPROVED

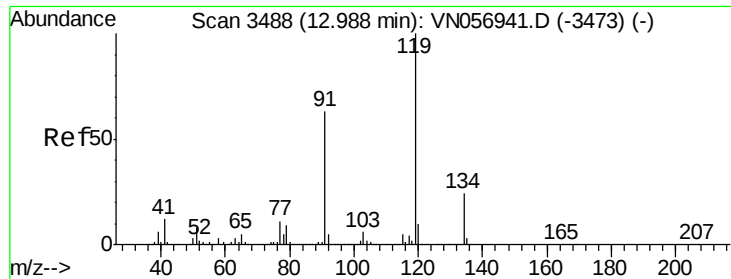
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#82
4-Chlorotoluene
Concen: 49.427 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.5





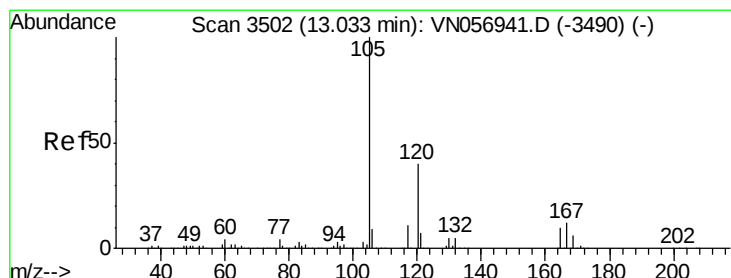
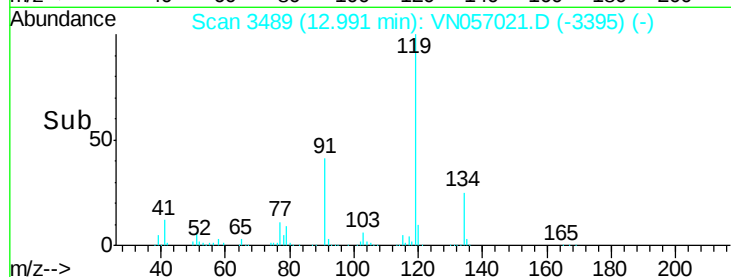
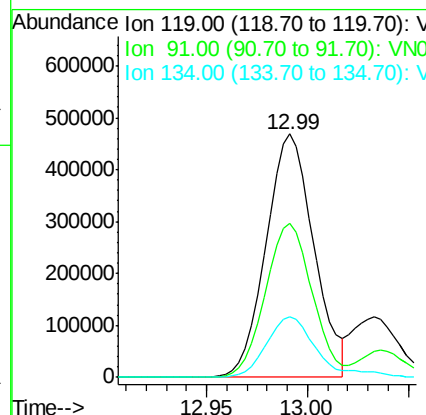
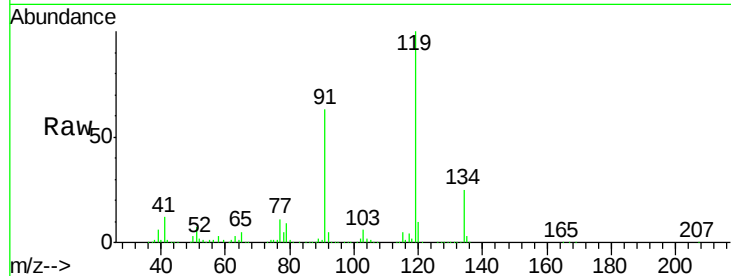
#83
tert-Butylbenzene
Concen: 47.927 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	31.3	93.8
134	26.3	13.3	39.8

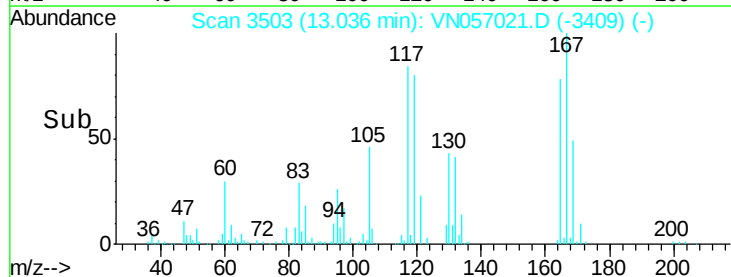
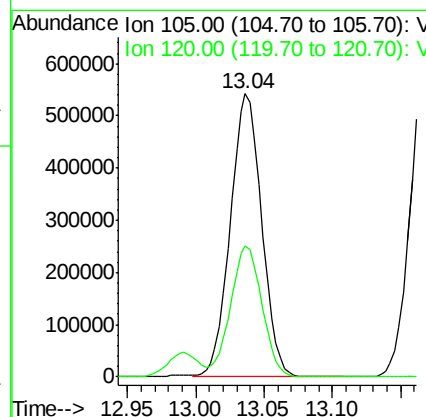
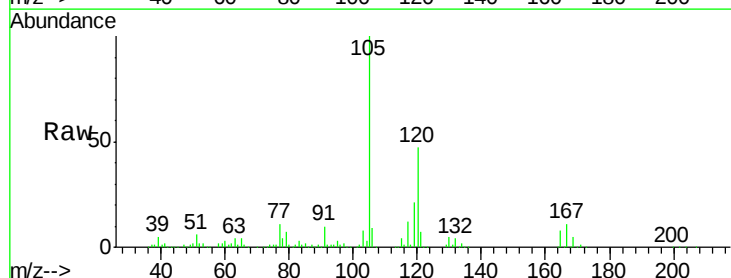
Manual Integrations
APPROVED

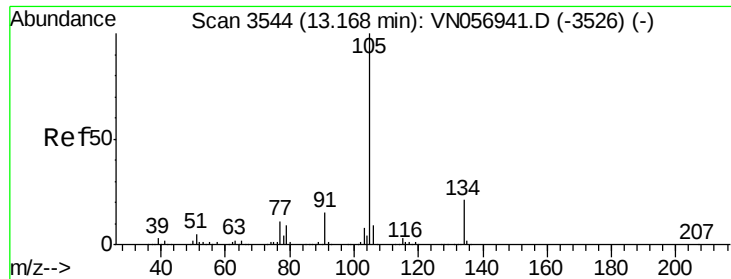
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#84
1,2,4-Trimethylbenzene
Concen: 49.251 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6





#85

sec-Butylbenzene

Concen: 47.943 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 997073

Ion Ratio Lower Upper

105 100

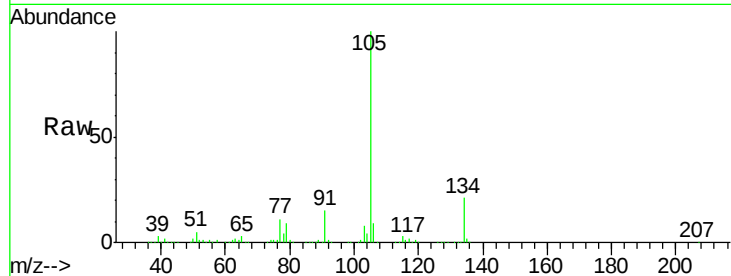
134 21.1 10.3 30.8

Manual Integrations

APPROVED

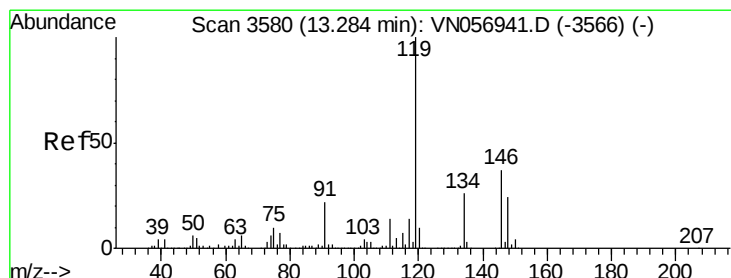
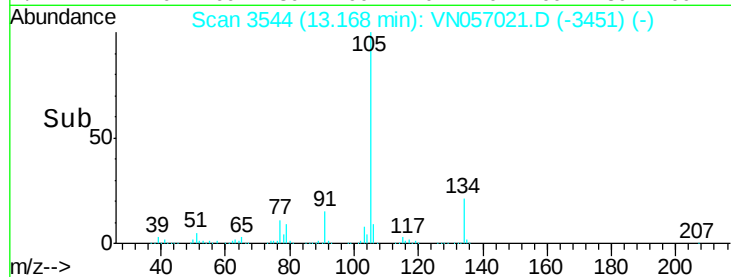
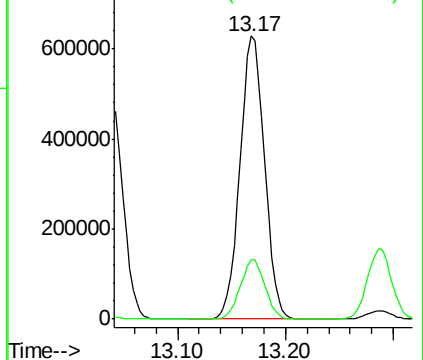
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.333 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

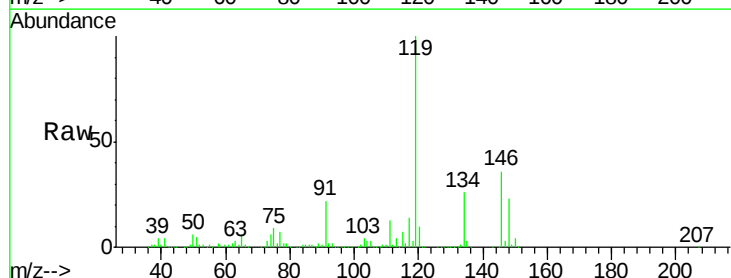
Tgt Ion:119 Resp: 910900

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

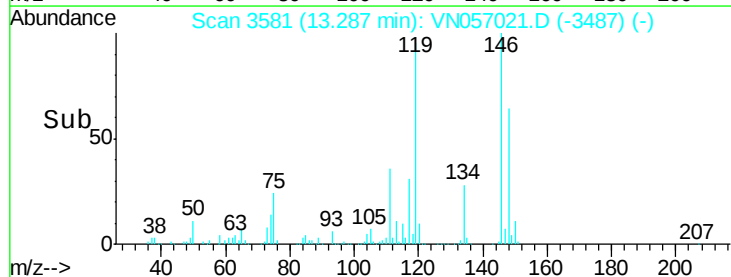
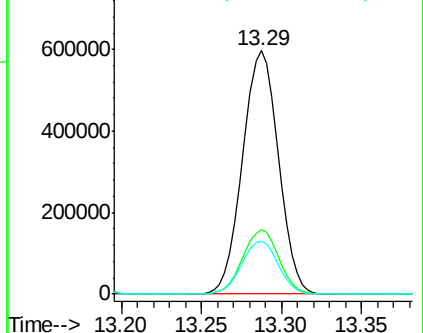
91 22.0 11.0 33.0

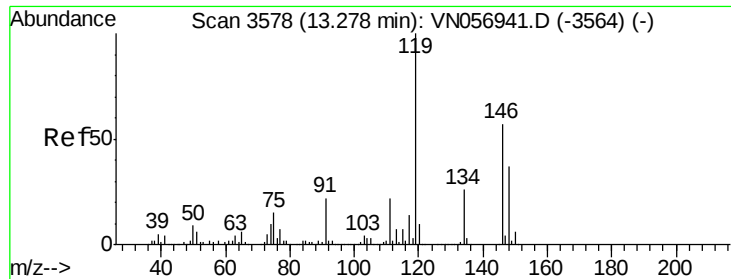


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





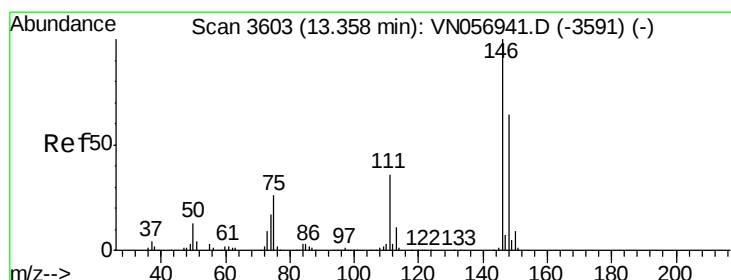
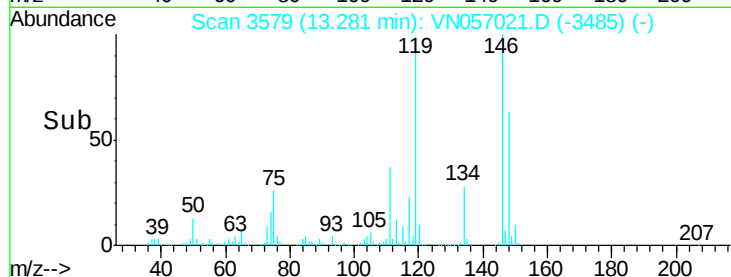
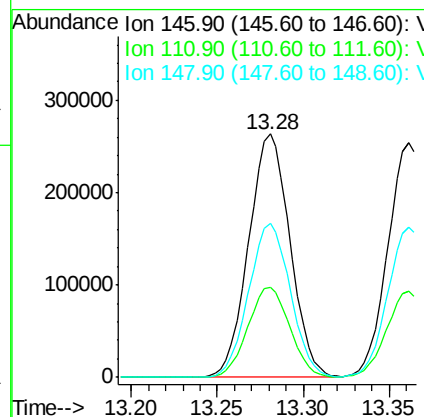
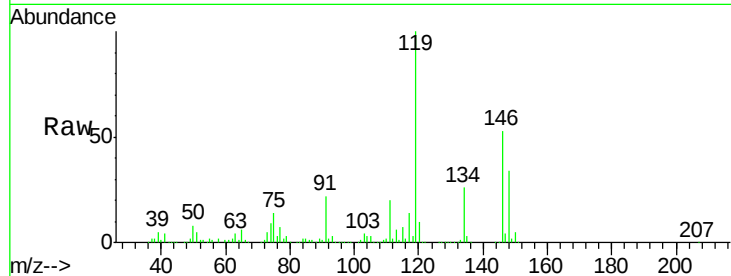
#87
 1,3-Dichlorobenzene
 Concen: 49.904 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.8
148	63.8	32.2	96.6

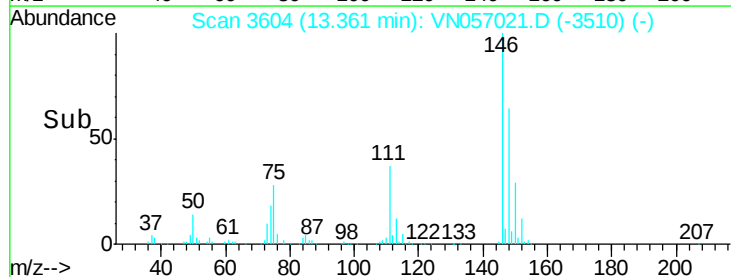
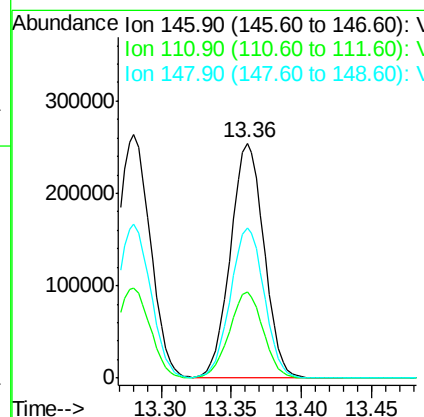
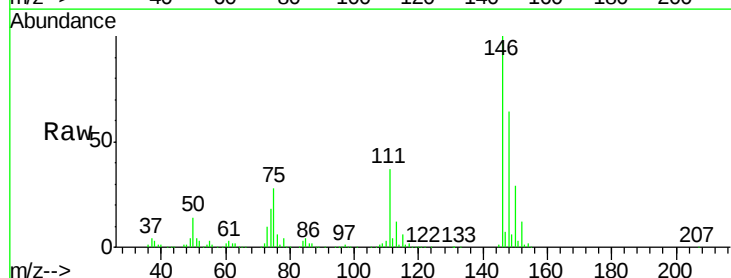
Manual Integrations
 APPROVED

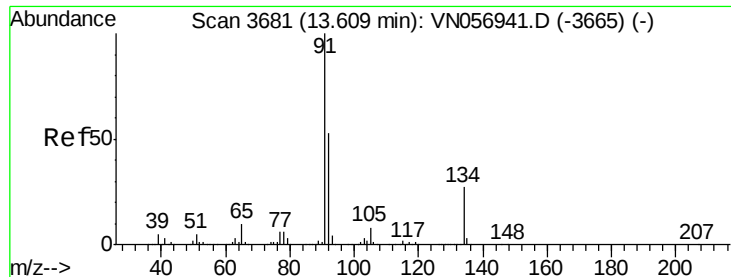
MMdadoda
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#88
 1,4-Dichlorobenzene
 Concen: 49.935 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.2
148	64.1	32.3	96.9





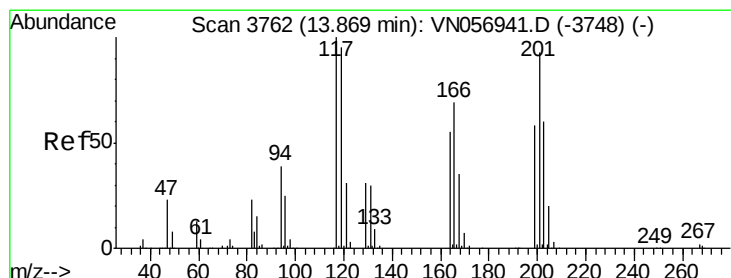
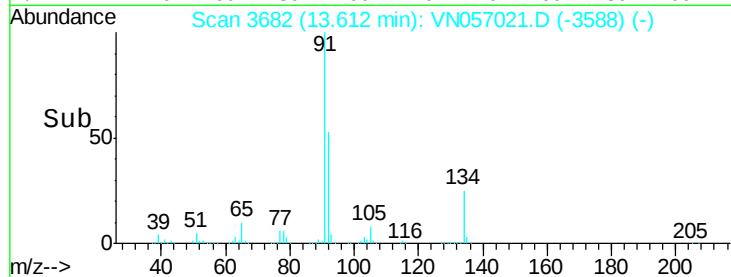
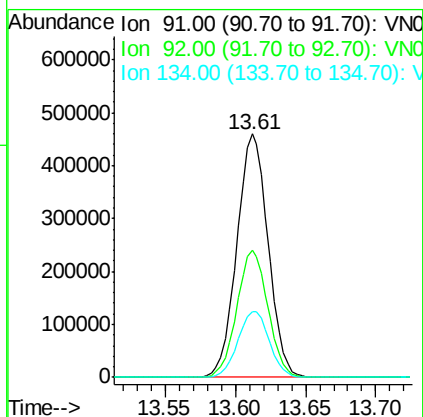
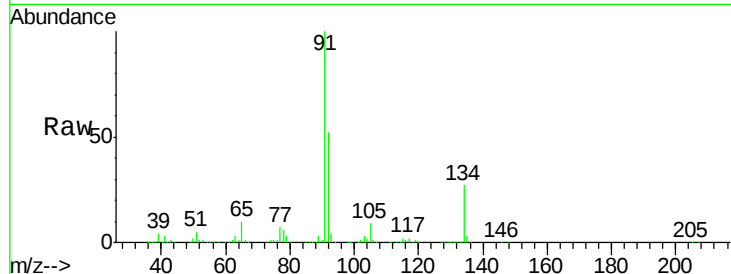
#89
n-Butylbenzene
Concen: 49.966 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.5
134	27.3	13.5	40.4

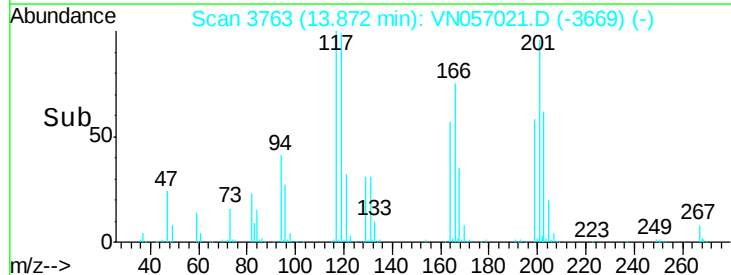
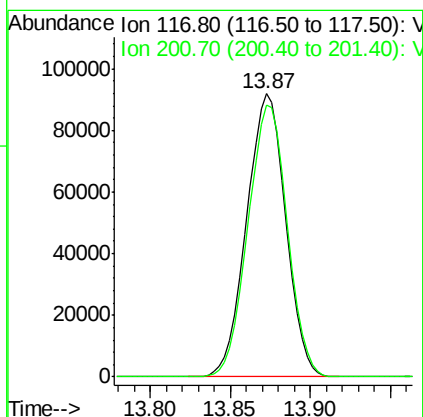
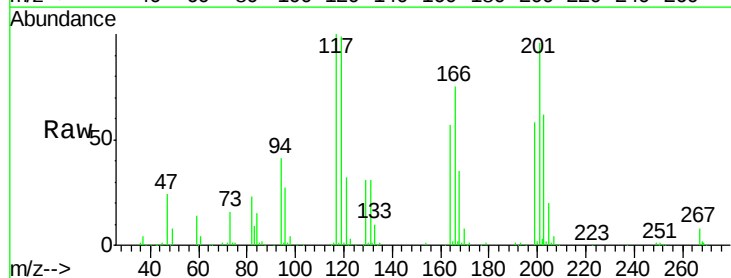
Manual Integrations
APPROVED

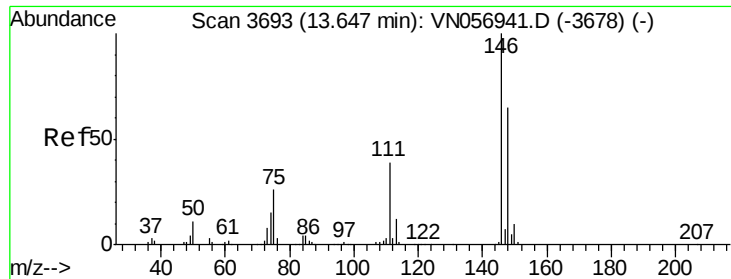
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#90
Hexachloroethane
Concen: 48.307 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN057021.D
Acq: 31 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.6	47.0	141.2





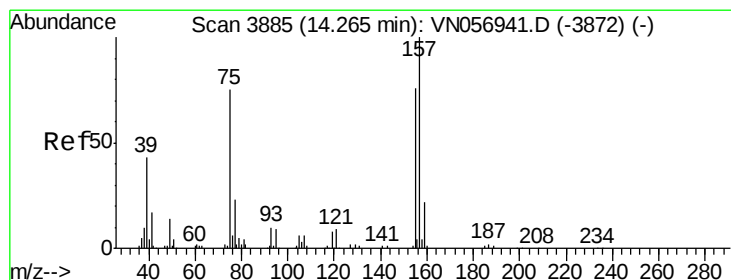
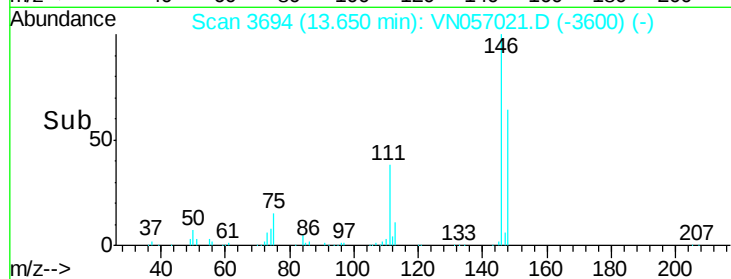
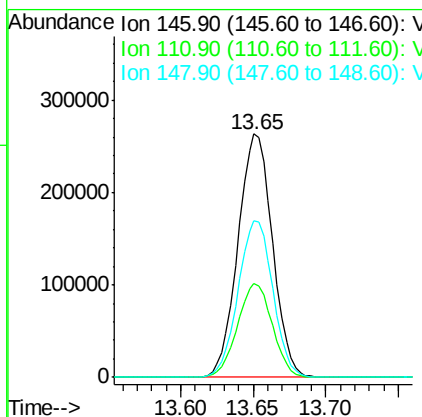
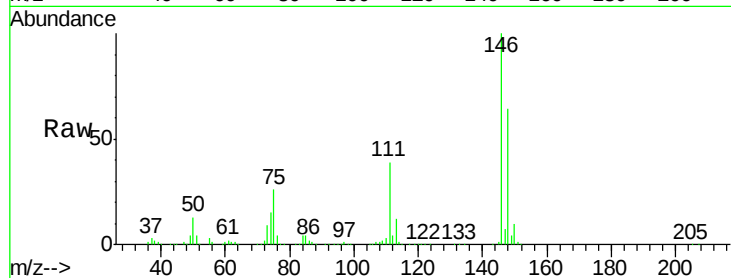
#91
 1,2-Dichlorobenzene
 Concen: 50.293 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.4
148	64.7	32.2	96.6

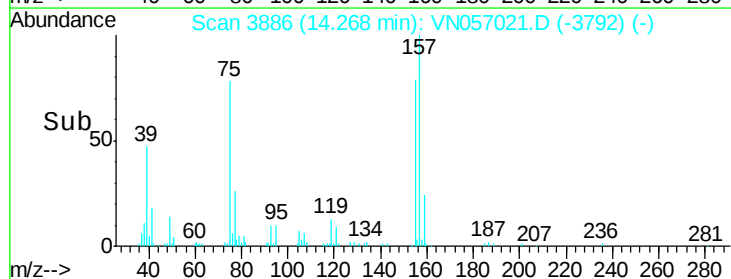
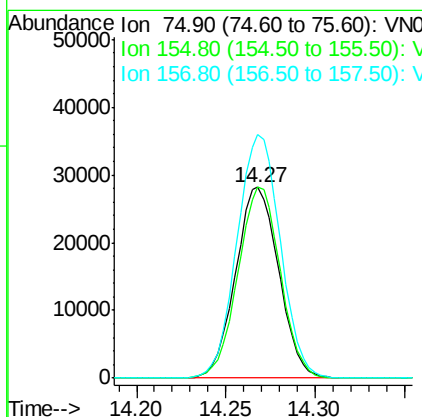
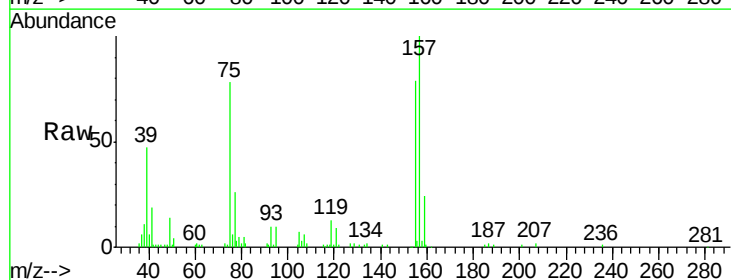
Manual Integrations
 APPROVED

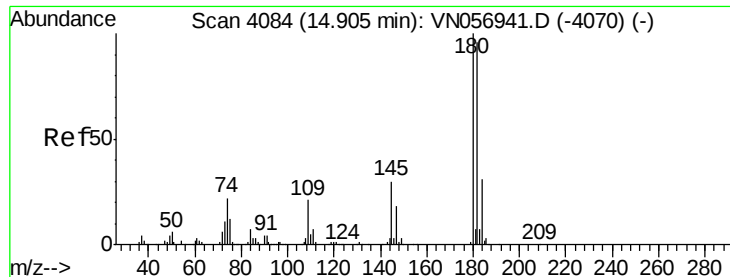
MMdadoda
 8/2/2019 10:54:23 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.014 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057021.D
 Acq: 31 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.0	50.2	150.6
157	128.1	65.1	195.4





#93

1,2,4-Trichlorobenzene

Concen: 43.631 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

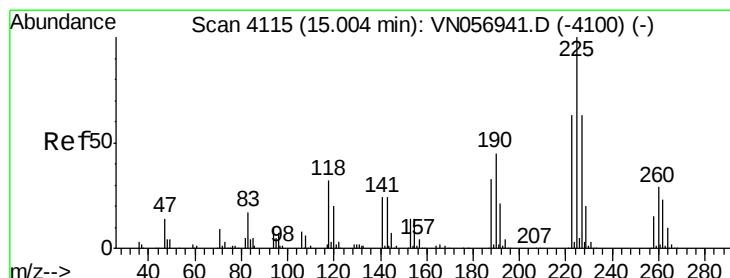
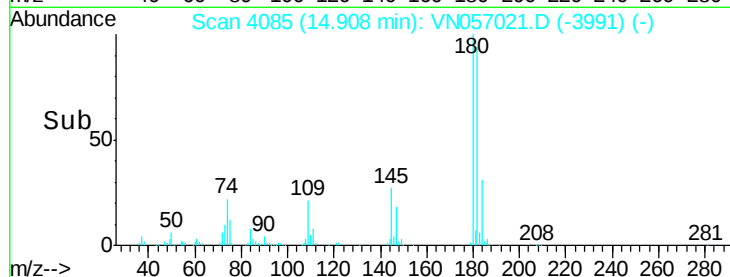
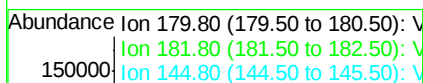
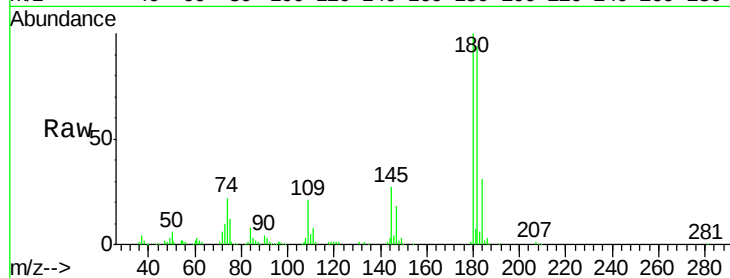
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	193537
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.6	142.8
145	27.9	14.2	42.8

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 54.788 ug/l

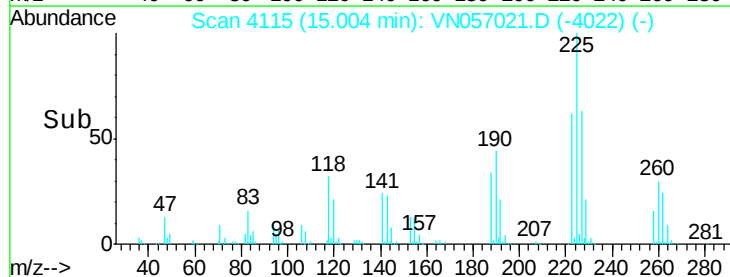
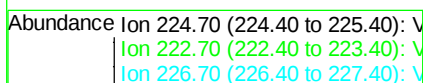
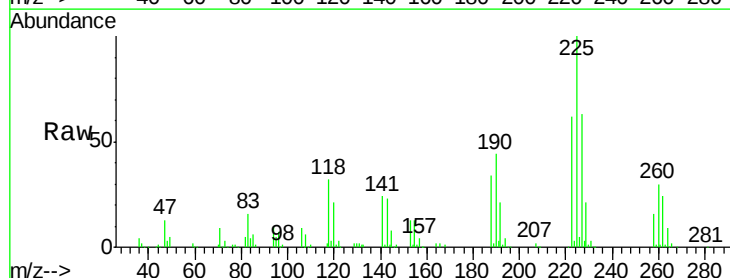
RT: 15.00 min Scan# 4115

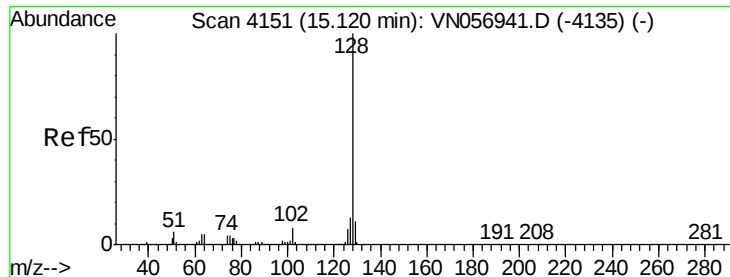
Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Tgt Ion:	225	Resp:	164983
Ion Ratio	Lower	Upper	
225	100		
223	62.4	30.8	92.4
227	62.3	31.1	93.5





#95

Naphthalene

Concen: 46.424 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Instrument :

MSVOA_N

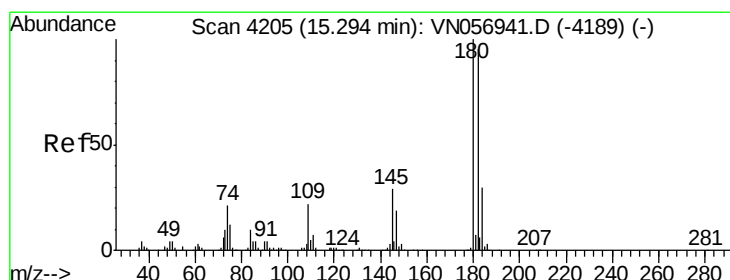
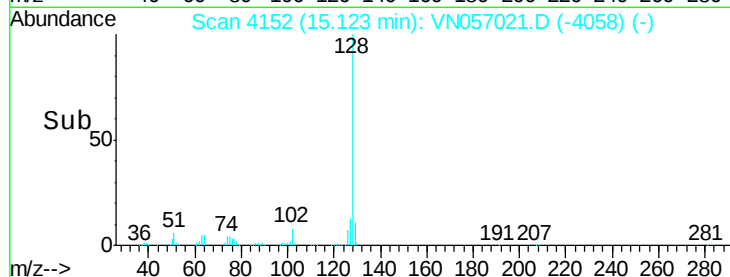
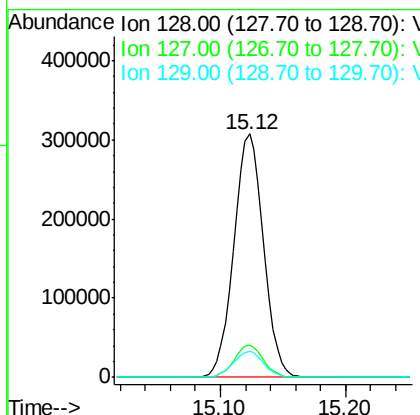
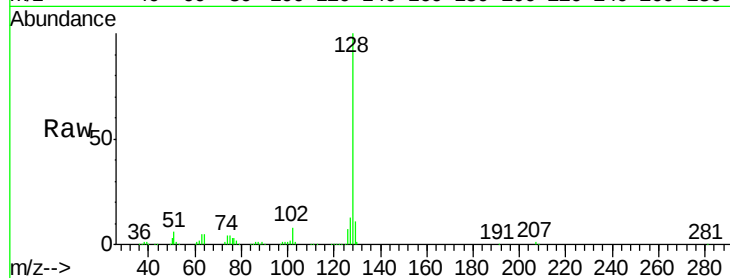
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	503478
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.0	15.0
129	10.9	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 47.974 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057021.D

Acq: 31 Jul 2019 17:47

Tgt Ion:	180	Resp:	216464
Ion Ratio	Lower	Upper	
180	100		
182	95.0	48.0	144.2
145	29.2	15.0	45.0

