

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091319\
 Data File : VN057980.D
 Acq On : 12 Sep 2019 19:43
 Operator : JC/SP
 Sample : VN0913WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:04:56 PM

Quant Time: Sep 13 06:30:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	301501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	501583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	469703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	274112	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	315586	51.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.36%	
35) Dibromofluoromethane	7.58	113	226939	49.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.04%	
50) Toluene-d8	10.09	98	910108	50.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.41	95	314957	45.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.96%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	82067	19.682	ug/l	98
3) Chloromethane	2.04	50	73029	17.184	ug/l	95
4) Vinyl Chloride	2.17	62	76938	17.106	ug/l	98
5) Bromomethane	2.55	94	44299	16.916	ug/l	99
6) Chloroethane	2.69	64	50509	17.623	ug/l	99
7) Trichlorofluoromethane	3.00	101	100694	17.790	ug/l	100
8) Diethyl Ether	3.39	74	47131	19.964	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	69219	19.385	ug/l	100
10) Methyl Iodide	3.94	142	67171	16.905	ug/l	98
11) Tert butyl alcohol	4.76	59	70063	94.795	ug/l	100
12) 1,1-Dichloroethene	3.72	96	60145	18.734	ug/l	98
13) Acrolein	3.59	56	7103m	11.328	ug/l	
14) Allyl chloride	4.31	41	114773	18.268	ug/l	98
15) Acrylonitrile	4.96	53	216371	106.508	ug/l	100
16) Acetone	3.80	43	182396	91.113	ug/l	97
17) Carbon Disulfide	4.03	76	82466	16.610	ug/l	98
18) Methyl Acetate	4.30	43	120308	22.540	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	279529	20.922	ug/l	99
20) Methylene Chloride	4.53	84	82375	20.899	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	65636	18.912	ug/l	95
22) Diisopropyl ether	5.93	45	301124	20.437	ug/l	97
23) Vinyl Acetate	5.87	43	1094076	104.777	ug/l	98
24) 1,1-Dichloroethane	5.83	63	161237	20.023	ug/l	99
25) 2-Butanone	6.82	43	292390	100.914	ug/l	100
26) 2,2-Dichloropropane	6.80	77	113043	17.739	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	90890	19.542	ug/l	99
28) Bromochloromethane	7.18	49	83430	20.739	ug/l	99
29) Tetrahydrofuran	7.19	42	188809	105.752	ug/l	99
30) Chloroform	7.36	83	172930	20.539	ug/l	98
31) Cyclohexane	7.64	56	111701	18.968	ug/l	94
32) 1,1,1-Trichloroethane	7.56	97	133726	20.026	ug/l	98
36) 1,1-Dichloropropene	7.78	75	105943	18.213	ug/l	98
37) Ethyl Acetate	6.91	43	121272	20.178	ug/l	100
38) Carbon Tetrachloride	7.76	117	102480	19.296	ug/l	98

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Manual Integrations
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Quant Time: Sep 13 06:30:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	105011	17.173	ug/l	97
40) Benzene	8.03	78	342623	19.564	ug/l	99
41) Methacrylonitrile	7.15	41	42828m	15.698	ug/l	
42) 1,2-Dichloroethane	8.11	62	143057	20.425	ug/l	100
43) Isopropyl Acetate	8.15	43	260949	25.819	ug/l #	92
44) Trichloroethene	8.83	130	80644	18.774	ug/l	98
45) 1,2-Dichloropropane	9.11	63	102797	20.172	ug/l	98
46) Dibromomethane	9.20	93	64122	20.823	ug/l	97
47) Bromodichloromethane	9.40	83	126321	20.542	ug/l	99
48) Methyl methacrylate	9.19	41	100352	19.573	ug/l	99
49) 1,4-Dioxane	9.19	88	31248	360.411	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	644547	107.766	ug/l	100
52) Toluene	10.15	92	214984	19.490	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	122877	18.975	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	137542	19.238	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	95554	20.451	ug/l	98
56) Ethyl methacrylate	10.43	69	139802	19.869	ug/l	100
57) 1,3-Dichloropropane	10.71	76	162136	20.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	302571	91.303	ug/l	100
59) 2-Hexanone	10.75	43	459573	102.515	ug/l	98
60) Dibromochloromethane	10.90	129	84370	19.446	ug/l	99
61) 1,2-Dibromoethane	11.00	107	86950	19.684	ug/l	99
64) Tetrachloroethene	10.63	164	65193	18.798	ug/l	97
65) Chlorobenzene	11.44	112	239433	19.478	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	85791	20.113	ug/l	99
67) Ethyl Benzene	11.51	91	427298	19.835	ug/l	98
68) m/p-Xylenes	11.62	106	308104	39.044	ug/l	98
69) o-Xylene	11.95	106	154087	19.641	ug/l	97
70) Styrene	11.97	104	265444	19.661	ug/l	97
71) Bromoform	12.13	173	50502	18.991	ug/l #	98
73) Isopropylbenzene	12.25	105	429628	20.199	ug/l	99
74) N-amyl acetate	12.07	43	188237	20.335	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	144995	20.246	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	122792m	19.802	ug/l	
77) Bromobenzene	12.53	156	102178	19.268	ug/l	97
78) n-propylbenzene	12.60	91	494518	20.247	ug/l	100
79) 2-Chlorotoluene	12.68	91	302369	19.587	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	362969	20.196	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	29031	16.475	ug/l	85
82) 4-Chlorotoluene	12.78	91	308637	19.469	ug/l	100
83) tert-Butylbenzene	13.00	119	309904	19.399	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	360503	19.736	ug/l	100
85) sec-Butylbenzene	13.18	105	424520	20.049	ug/l	99
86) p-Isopropyltoluene	13.30	119	373754	20.033	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	189883	19.507	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	185328	18.757	ug/l	97
89) n-Butylbenzene	13.62	91	334185	18.968	ug/l	99
90) Hexachloroethane	13.88	117	51483	18.555	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	191398	19.682	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	24187	20.451	ug/l	98

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ClientSampleId :
VN0913WBSD02

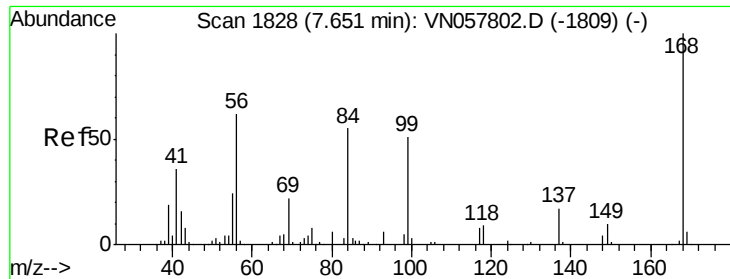
Manual Integrations
APPROVED

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9/13/2019 1:04:56 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	110305	17.354	ug/l	98
94) Hexachlorobutadiene	15.02	225	50625	18.789	ug/l	96
95) Naphthalene	15.13	128	319973	18.965	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	104930	19.530	ug/l	100

(#) = 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: VN057980.D

Acq: 12 Sep 2019 19:43

Tot Ion: 168 Resp: 301501

Ion Ratio Lower Upper

168 100

99 61.4 48.0 72.0

Instrument :

MSVOA_N

ClientSampleId :

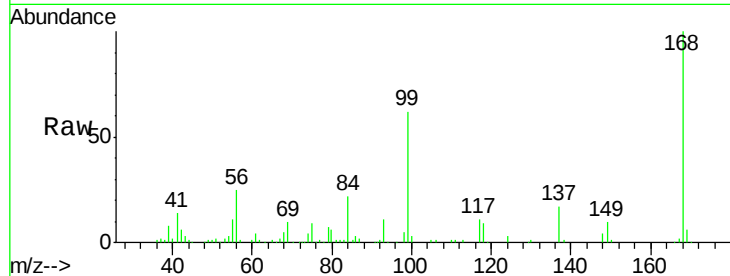
VN0913WBSD02

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

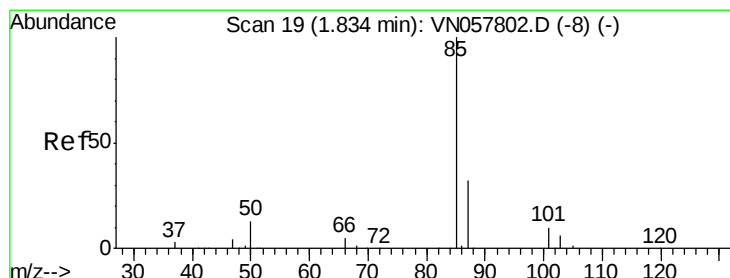
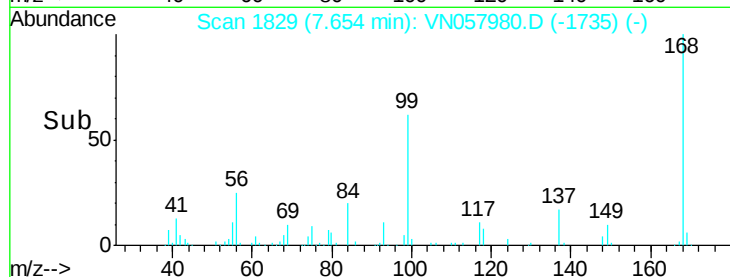
7.65

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.682 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057980.D

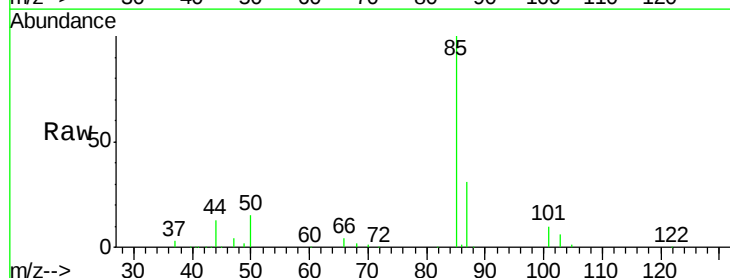
Acq: 12 Sep 2019 19:43

Tgt Ion: 85 Resp: 82067

Ion Ratio Lower Upper

85 100

87 30.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

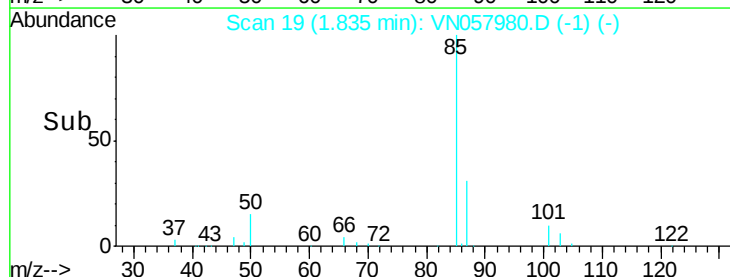
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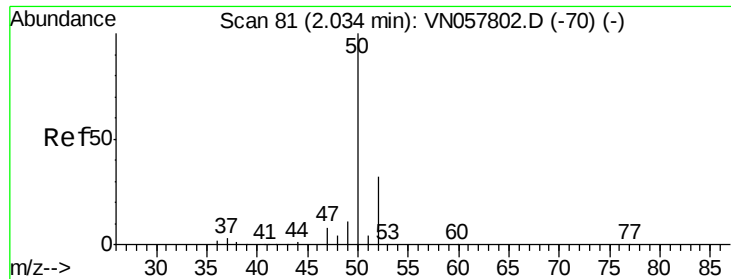
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20000

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Time-->





#3

Chloromethane

Concen: 17.184 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

Tot Ion: 50 Resp: 73029

Ion Ratio Lower Upper

50 100

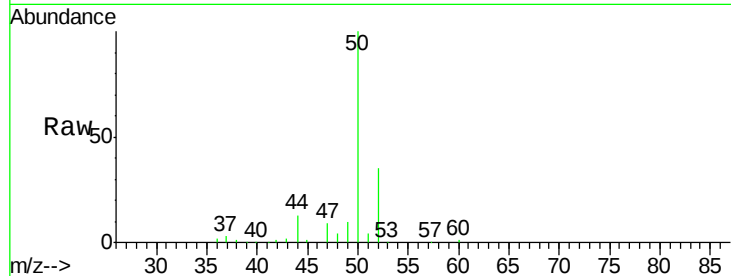
52 34.6 25.5 38.3

Manual Integrations

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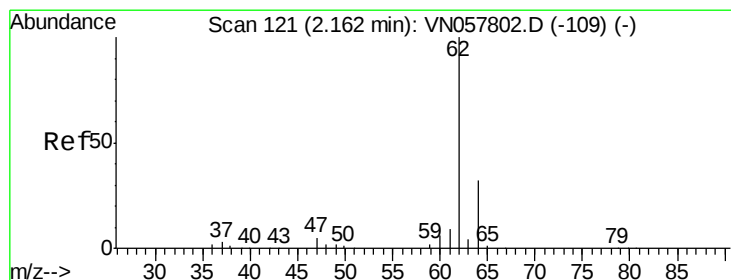
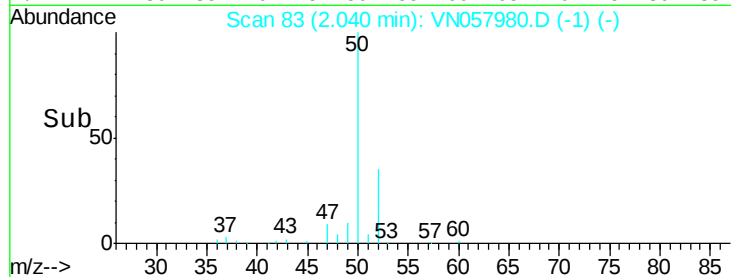
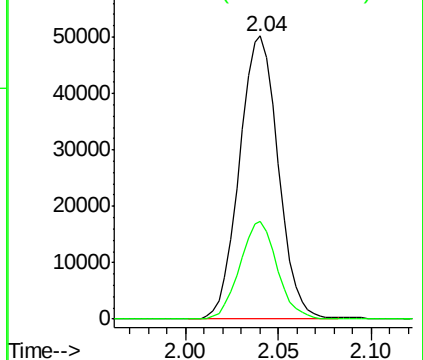
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.106 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.01 min

Lab File: VN057980.D

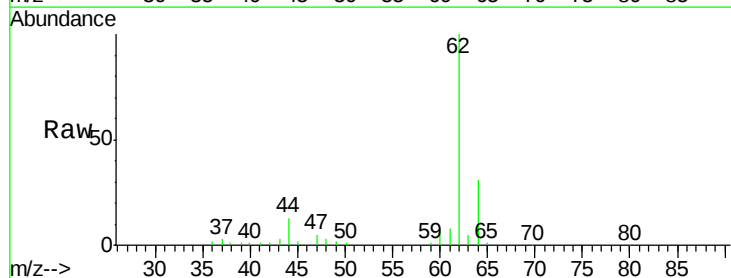
Acq: 12 Sep 2019 19:43

Tgt Ion: 62 Resp: 76938

Ion Ratio Lower Upper

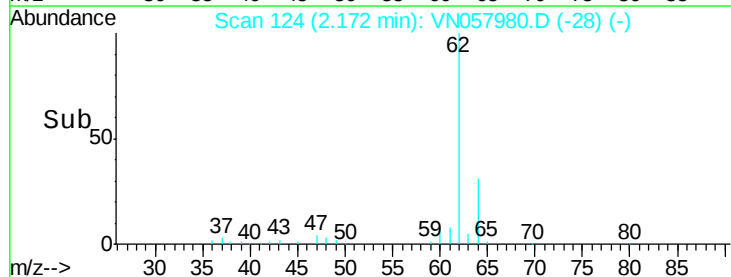
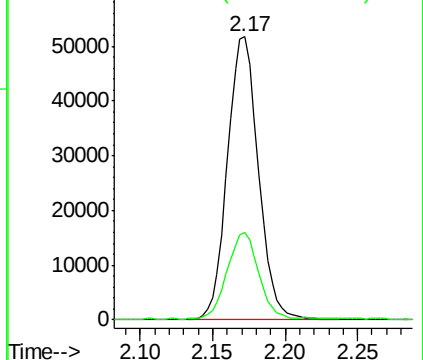
62 100

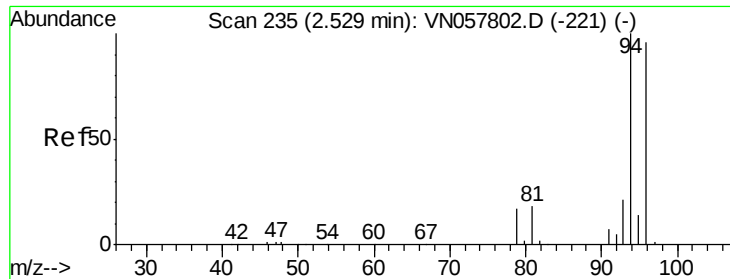
64 30.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





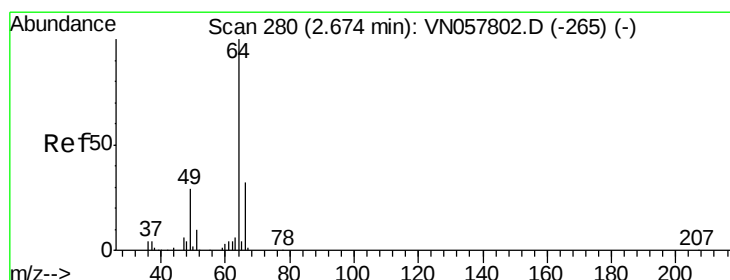
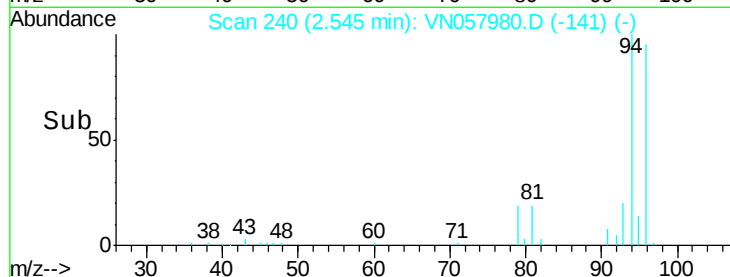
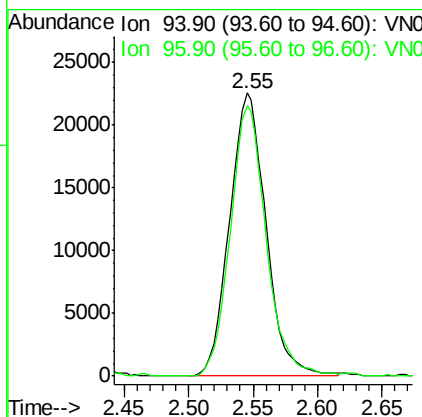
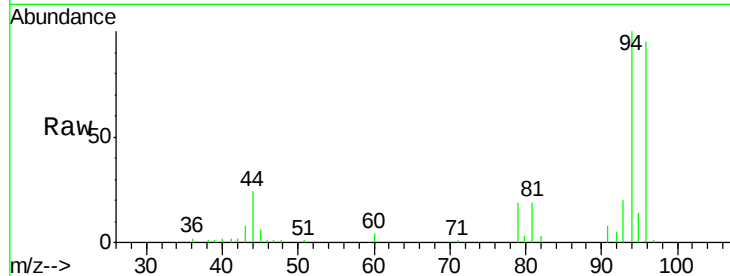
#5
Bromomethane
Concen: 16.916 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.02 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
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Tot Ion: 94 Resp: 44299
Ion Ratio Lower Upper
94 100
96 95.4 77.0 115.4

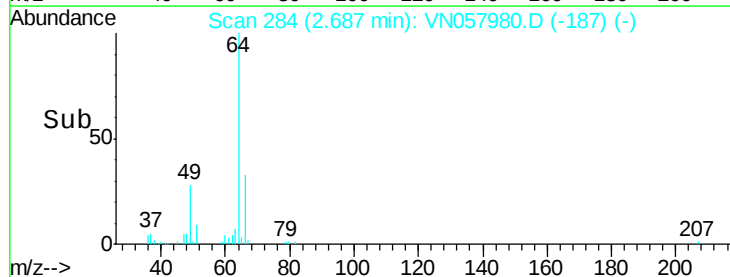
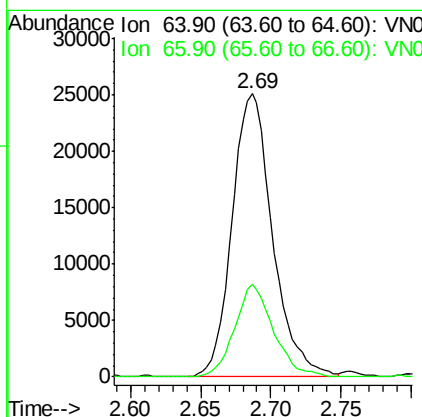
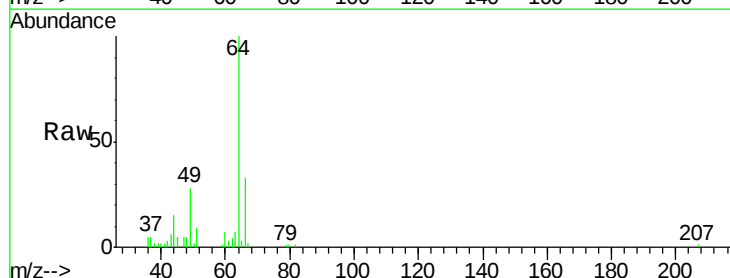
Manual Integrations
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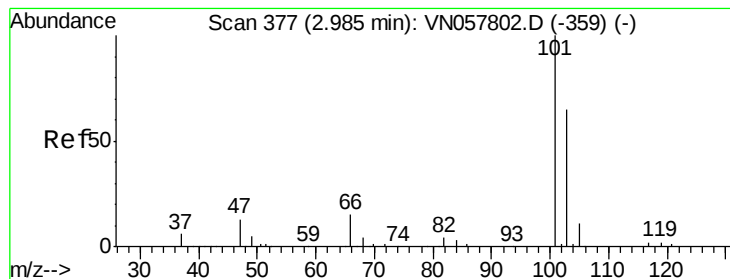
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#6
Chloroethane
Concen: 17.623 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion: 64 Resp: 50509
Ion Ratio Lower Upper
64 100
66 32.7 25.5 38.3





#7

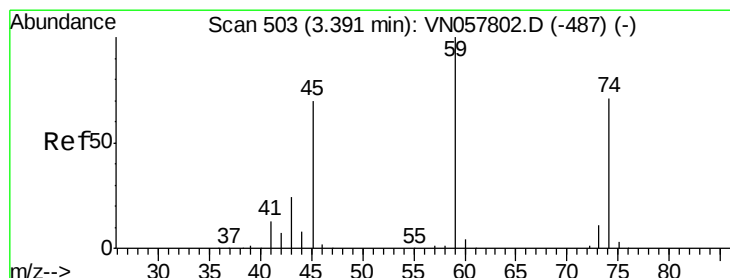
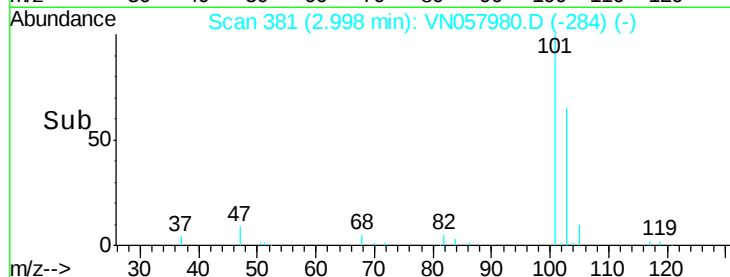
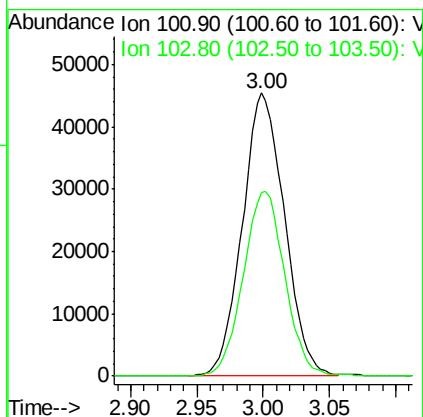
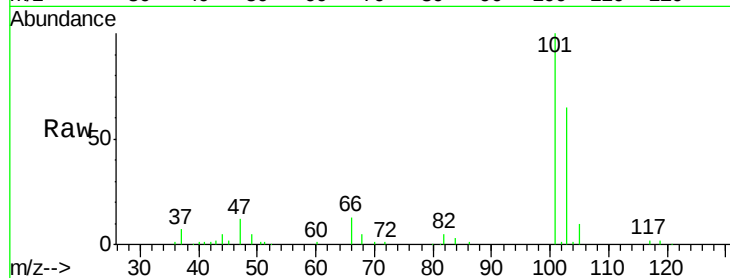
Trichlorofluoromethane
Concen: 17.790 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.01 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
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ClientSampleId :
VN0913WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.9	77.9

Manual Integrations
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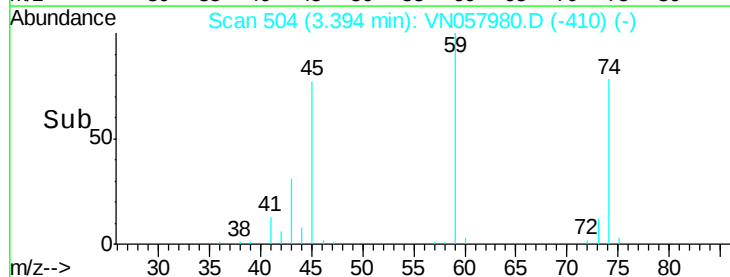
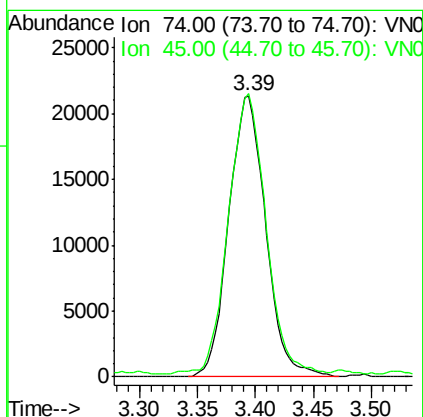
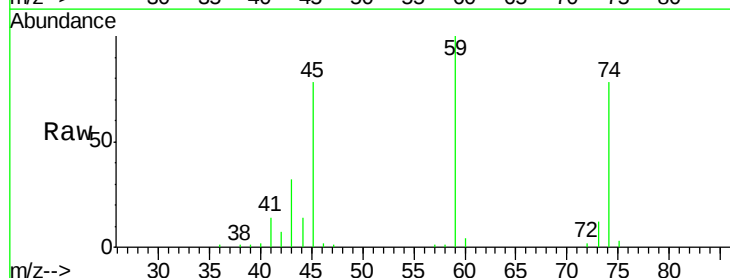
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9/13/2019 1:04:56 PM

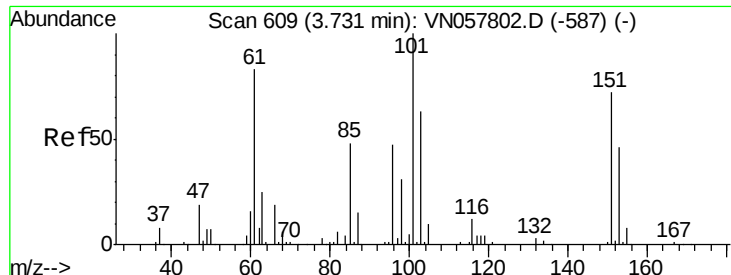


#8

Diethyl Ether
Concen: 19.964 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.0	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.385 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

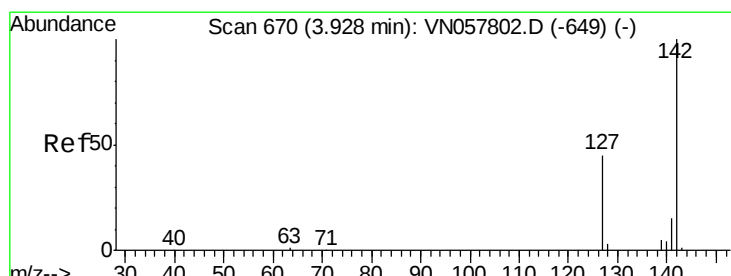
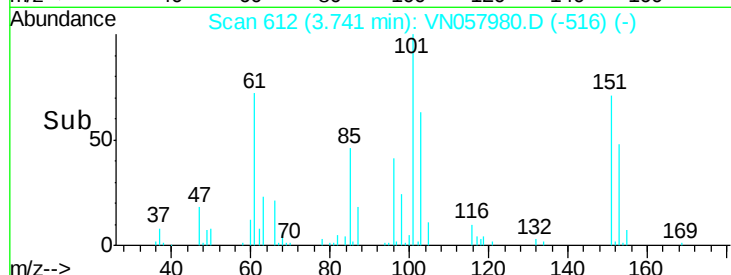
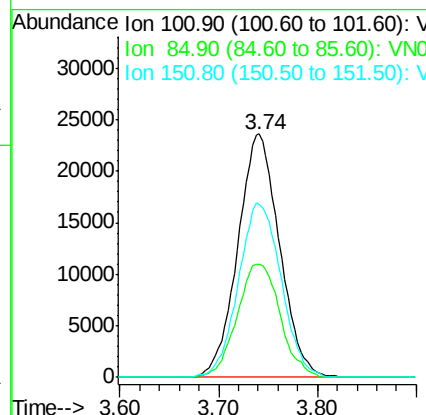
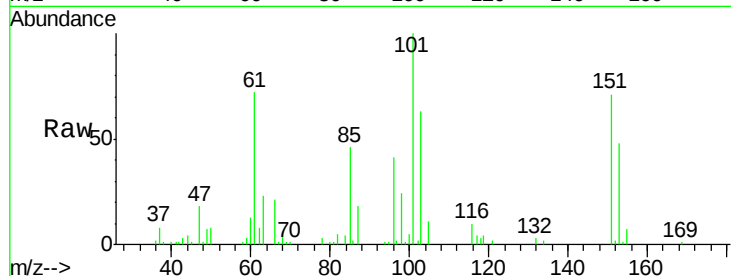
ClientSampleId :

VN0913WBSD02

Tot Ion:	101	Resp:	69219
Ion Ratio	Lower	Upper	
101	100		
85	47.9	38.1	57.1
151	73.4	58.4	87.6

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#10

Methyl Iodide

Concen: 16.905 ug/l

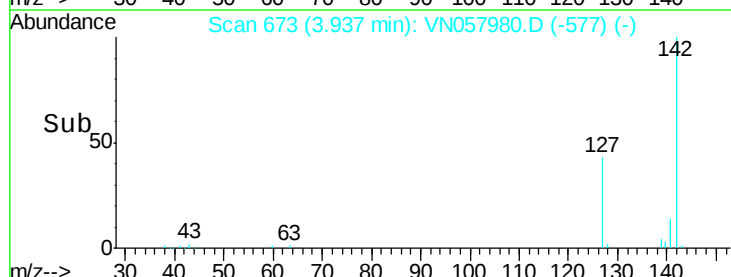
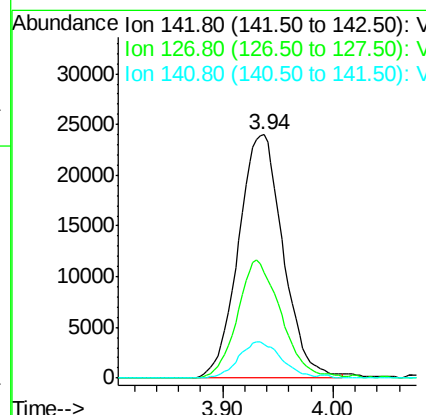
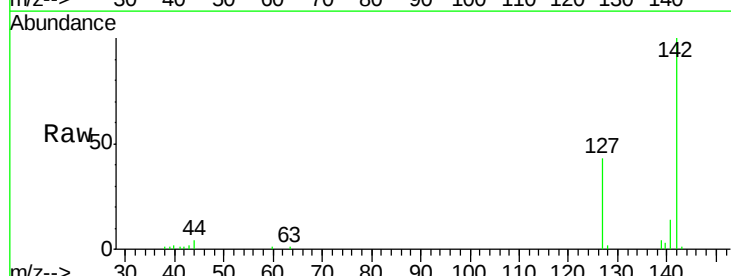
RT: 3.94 min Scan# 673

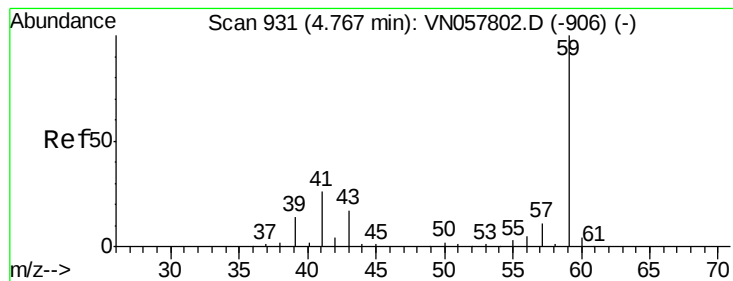
Delta R.T. 0.01 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Tgt Ion:	142	Resp:	67171
Ion Ratio	Lower	Upper	
142	100		
127	47.3	36.7	55.1
141	14.2	11.4	17.0





#11

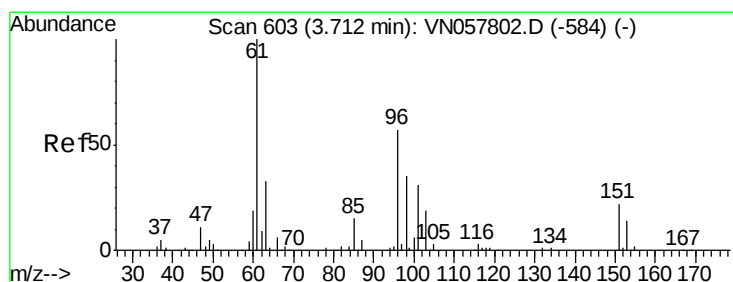
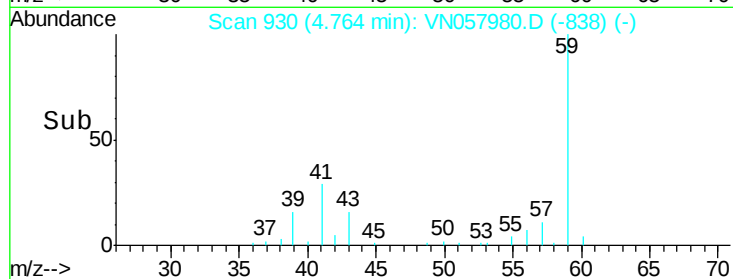
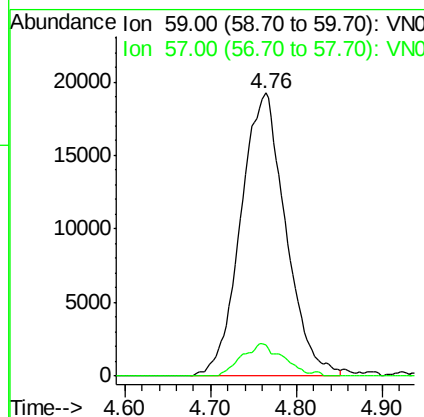
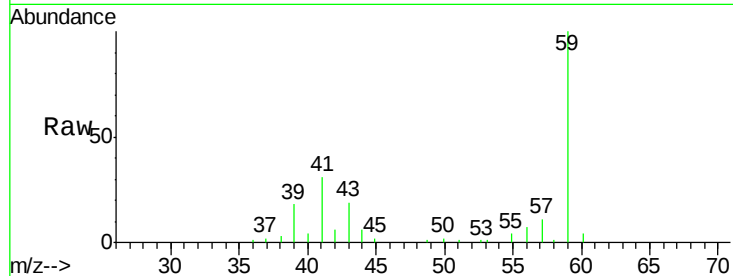
Tert butyl alcohol
Concen: 94.795 ug/l
RT: 4.76 min Scan# 930
Delta R.T. -0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

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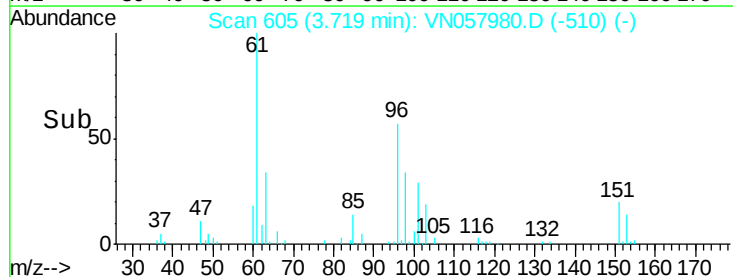
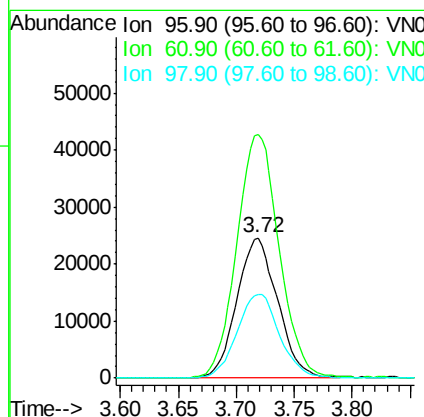
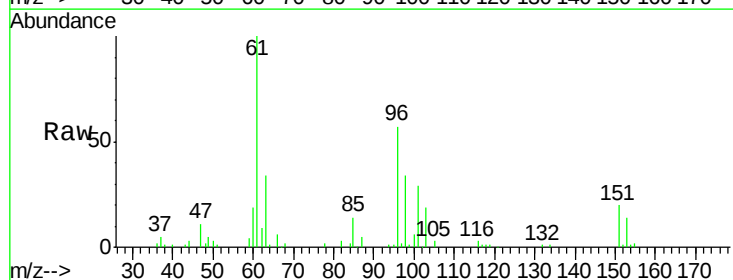
MMDadoda
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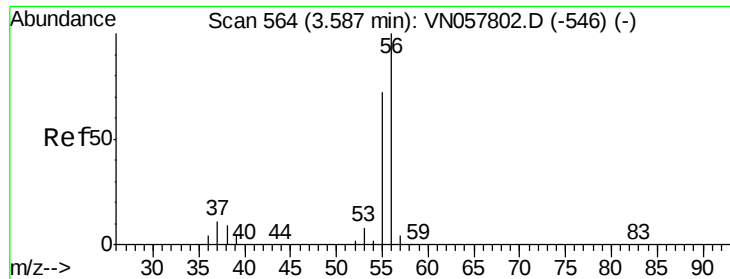


#12

1,1-Dichloroethene
Concen: 18.734 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.01 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.0	141.2	211.8
98	59.6	49.9	74.9





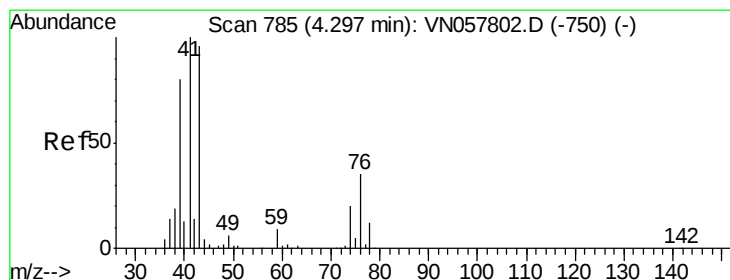
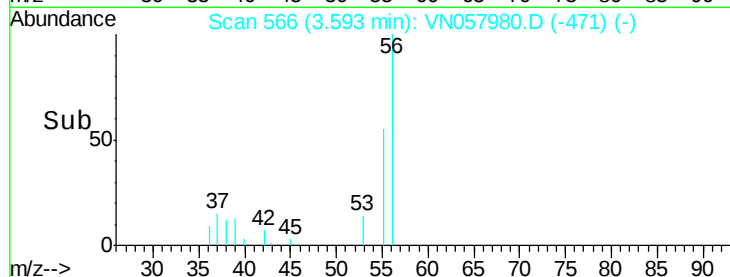
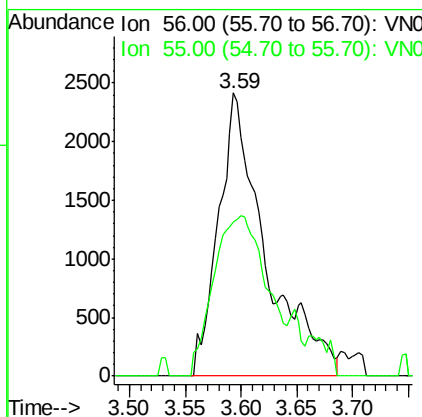
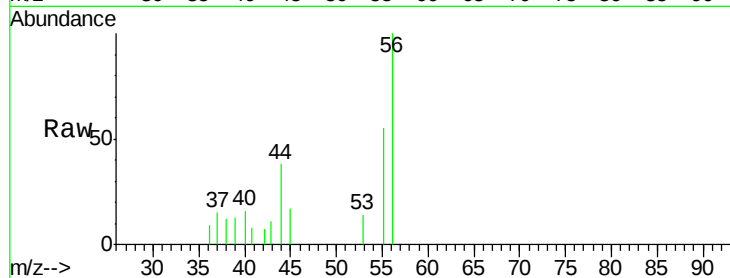
#13
Acrolein
Concen: 11.328 ug/l m
RT: 3.59 min Scan# 566
Delta R.T. 0.01 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

Tot Ion: 56 Resp: 7103
Ion Ratio Lower Upper
56 100
55 63.9 57.3 85.9

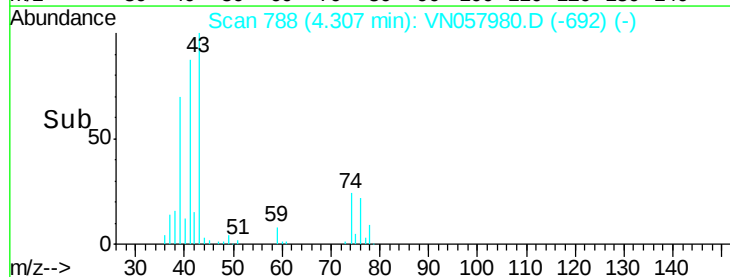
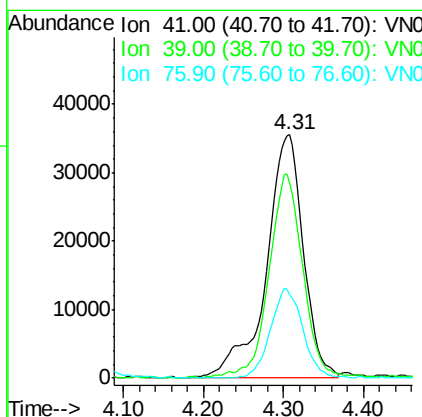
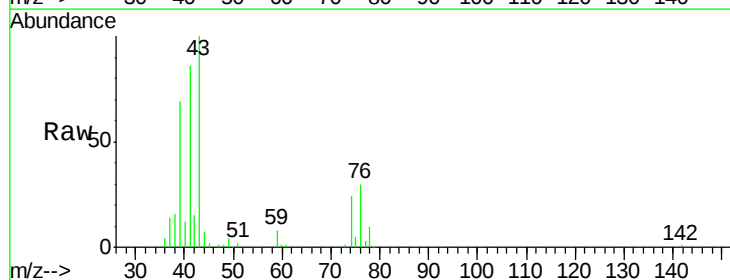
Manual Integrations
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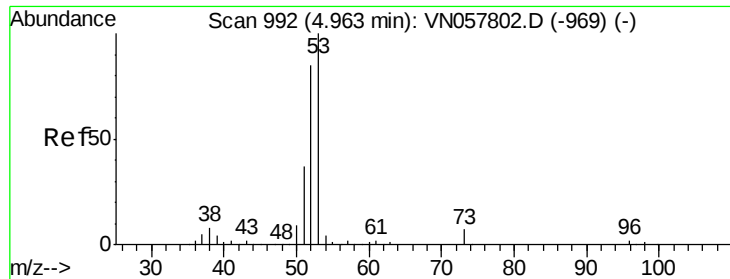
MMDadoda
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#14
Allyl chloride
Concen: 18.268 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion: 41 Resp: 114773
Ion Ratio Lower Upper
41 100
39 72.7 59.4 89.2
76 32.1 26.0 39.0





#15

Acrylonitrile

Concen: 106.508 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

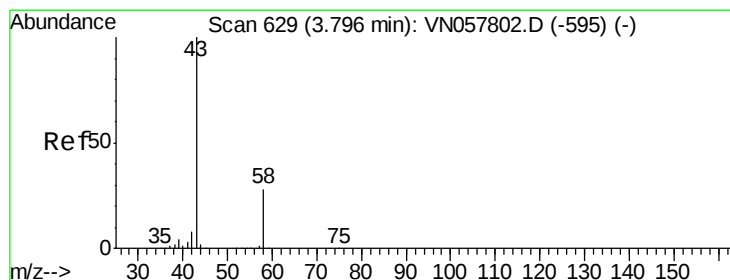
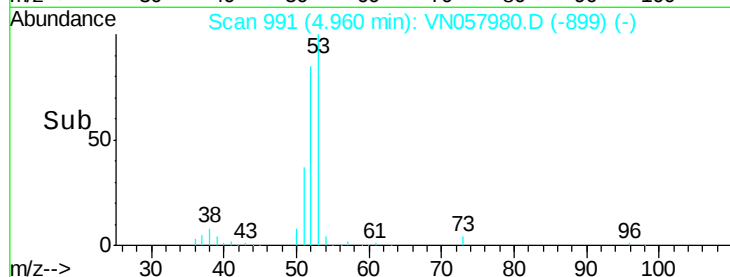
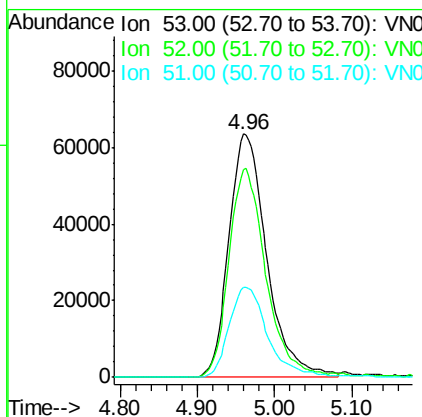
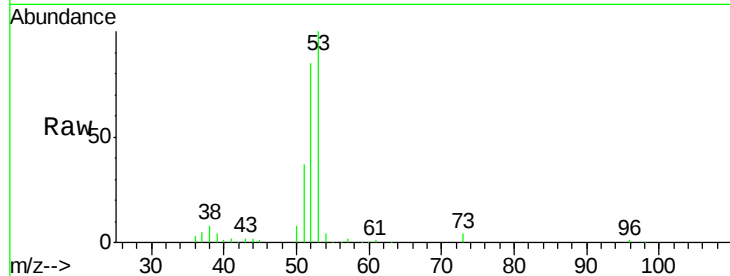
ClientSampleId :

VN0913WBSD02

Tot Ion:	53	Resp:	216371
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	100.0
51	37.8	29.8	44.8

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#16

Acetone

Concen: 91.113 ug/l

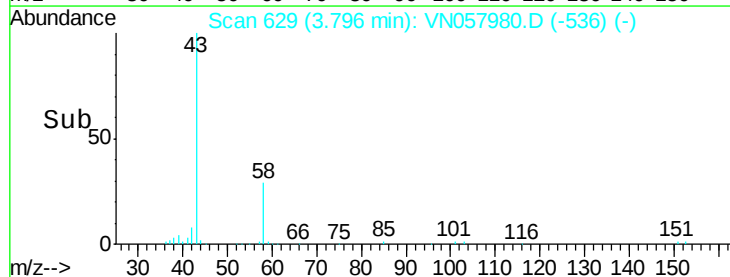
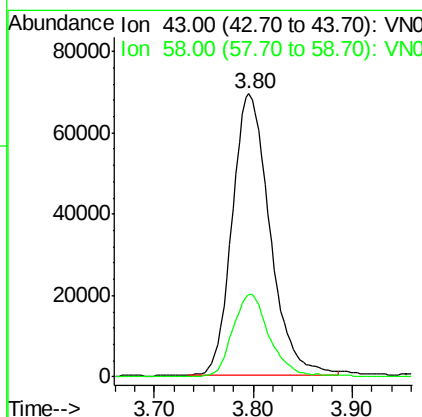
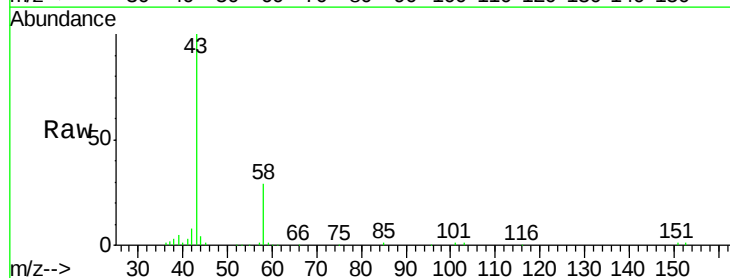
RT: 3.80 min Scan# 629

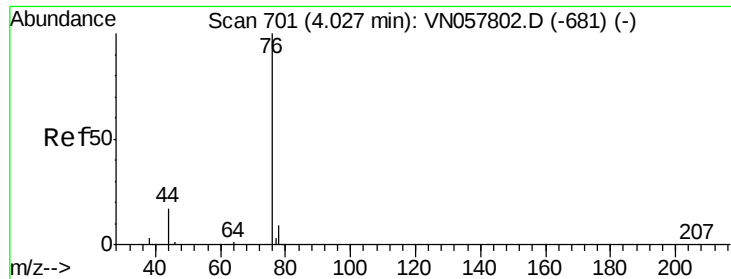
Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Tgt Ion:	43	Resp:	182396
Ion	Ratio	Lower	Upper
43	100		
58	29.2	22.2	33.2





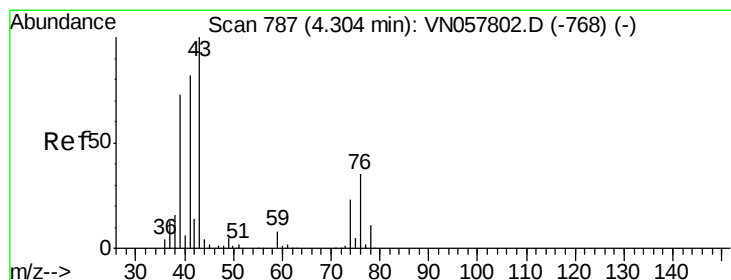
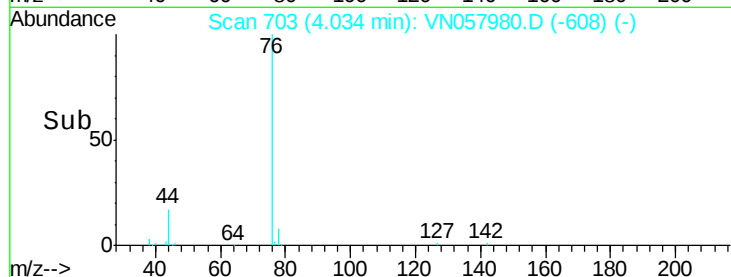
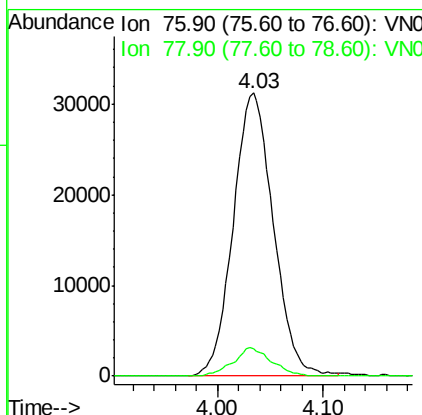
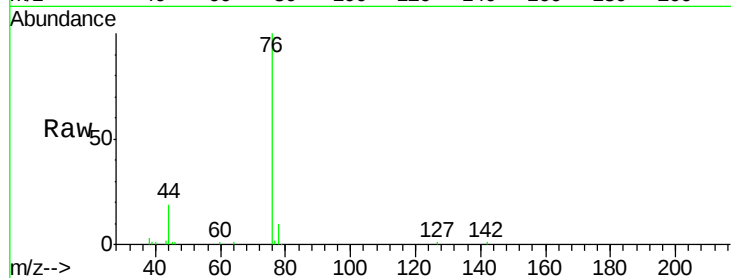
#17
Carbon Disulfide
Concen: 16.610 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

Tot Ion: 76 Resp: 82466
Ion Ratio Lower Upper
76 100
78 9.7 7.1 10.7

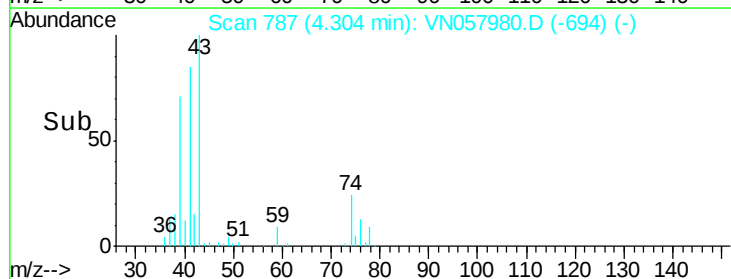
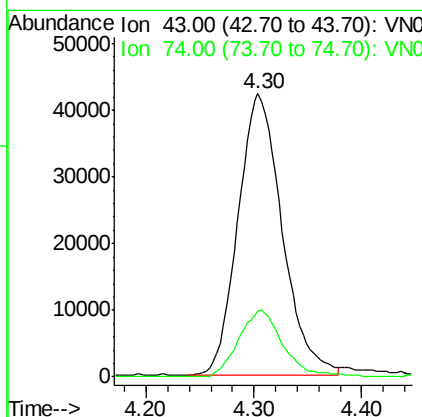
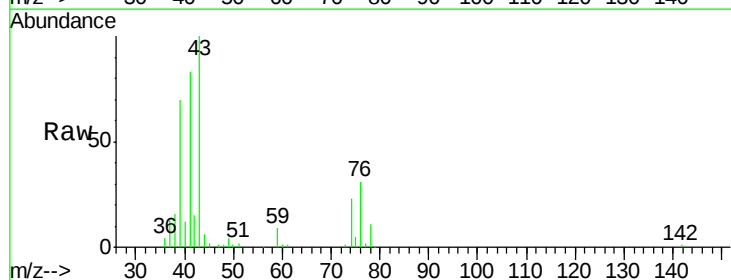
Manual Integrations
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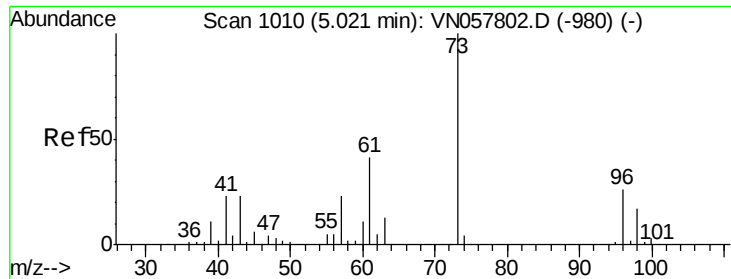
MMDadoda
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#18
Methyl Acetate
Concen: 22.540 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion: 43 Resp: 120308
Ion Ratio Lower Upper
43 100
74 23.8 17.9 26.9





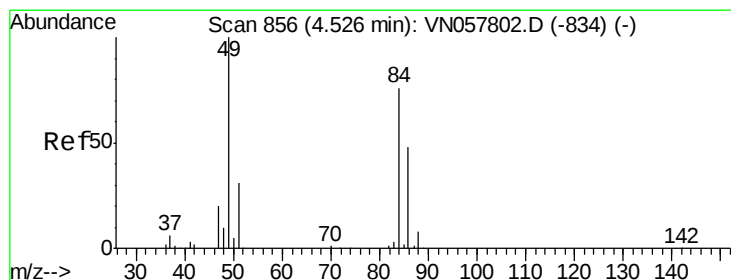
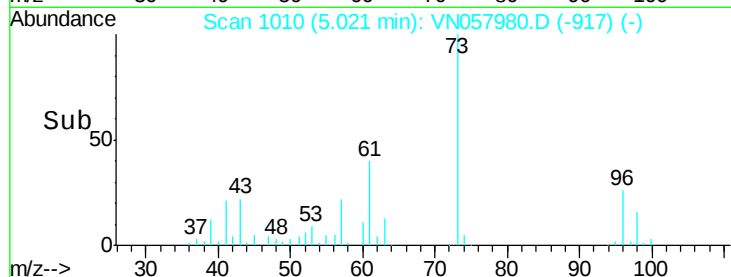
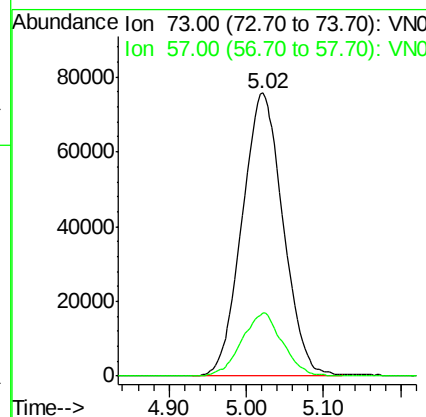
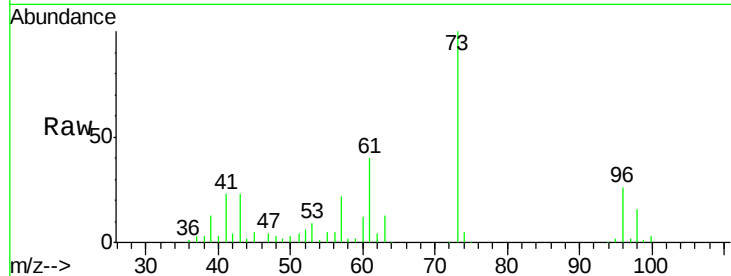
#19
Methvl tert-butvl Ether
Concen: 20.922 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

Tot Ion: 73 Resp: 279529
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.2

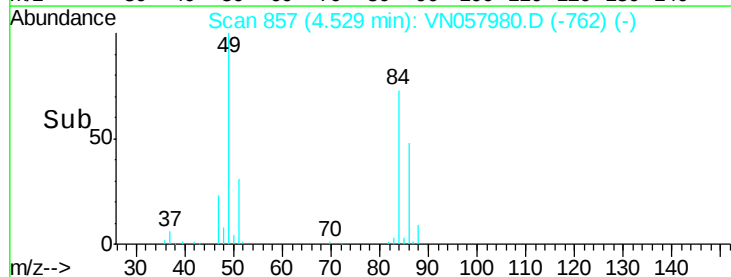
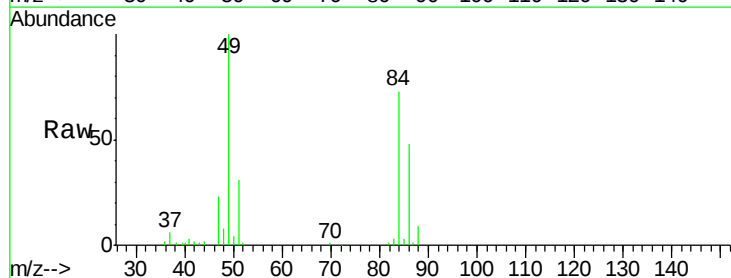
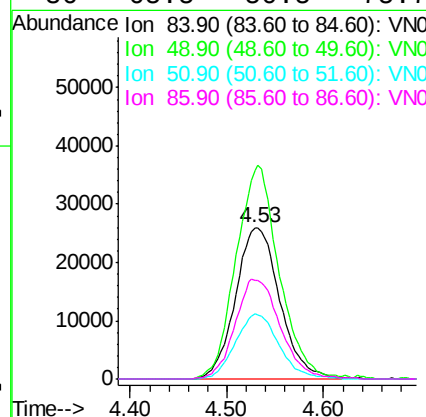
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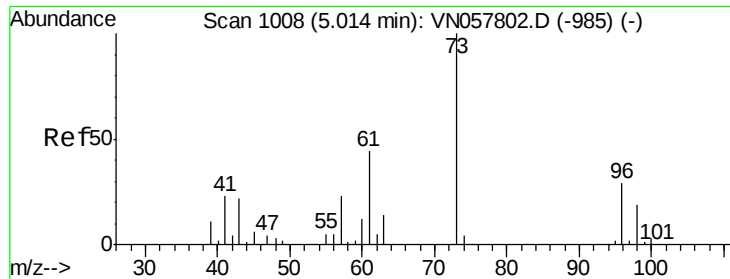
MMDadoda
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#20
Methylene Chloride
Concen: 20.899 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion: 84 Resp: 82375
Ion Ratio Lower Upper
84 100
49 137.7 104.8 157.2
51 42.8 33.0 49.4
86 65.5 50.5 75.7





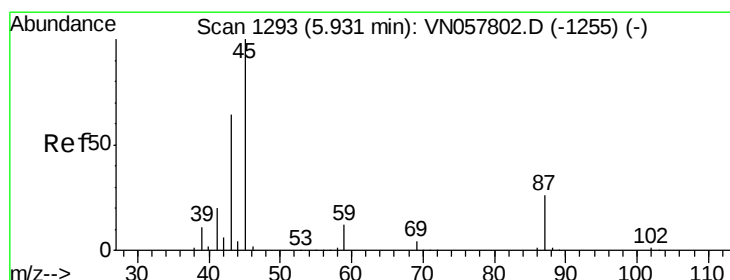
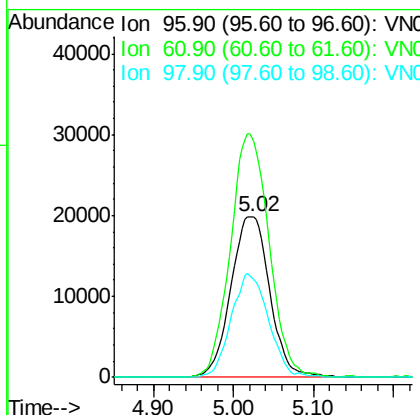
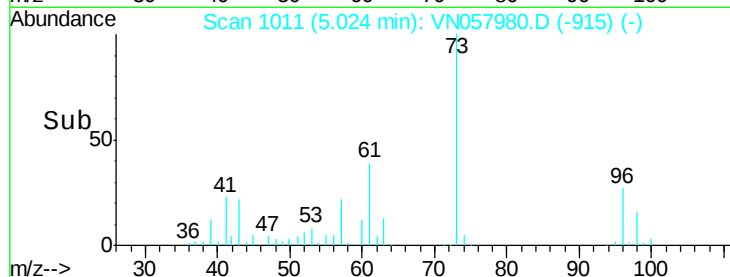
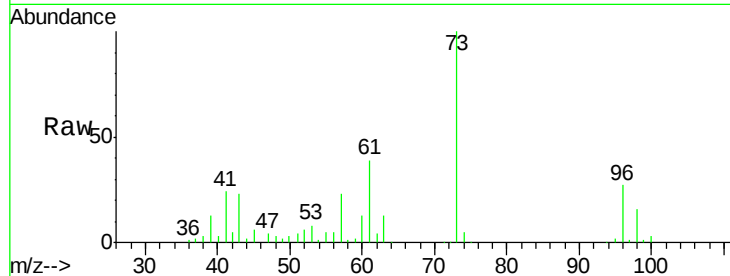
#21
trans-1,2-Dichloroethene
Concen: 18.912 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.9	121.9	182.9
98	60.8	52.2	78.4

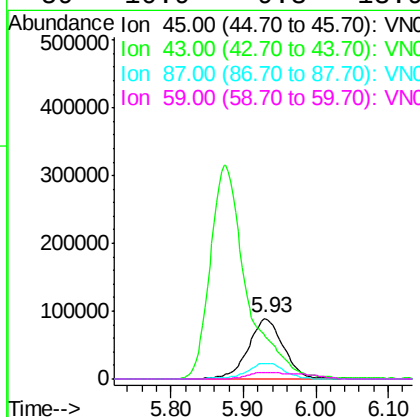
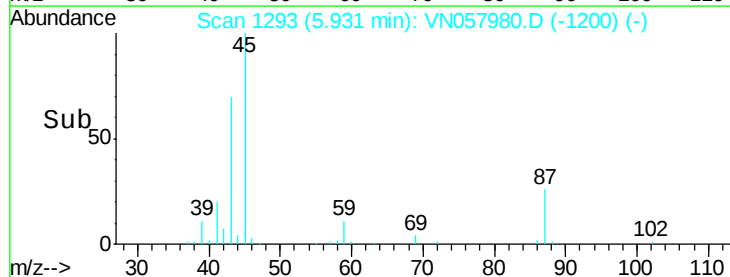
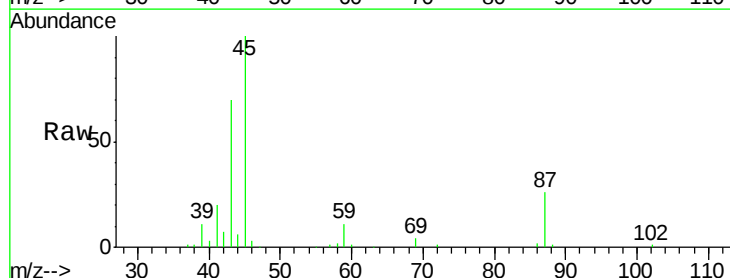
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#22
Diisopropyl ether
Concen: 20.437 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.7	51.4	77.2
87	25.7	21.3	31.9
59	10.9	9.3	13.9





#23

Vinyl Acetate

Concen: 104.777 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

Tot Ion: 43 Resp: 1094076

Ion Ratio Lower Upper

43 100

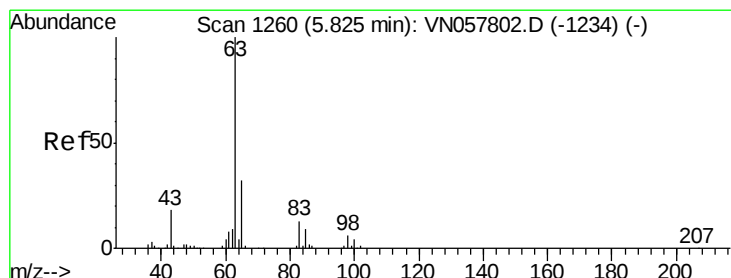
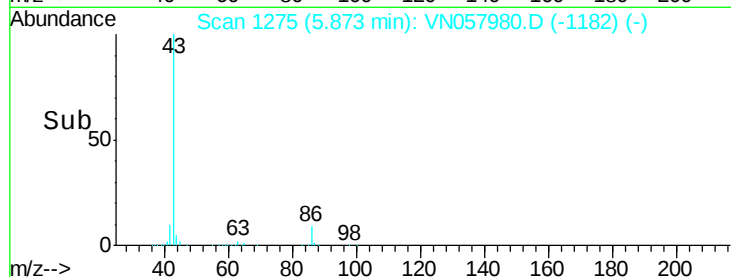
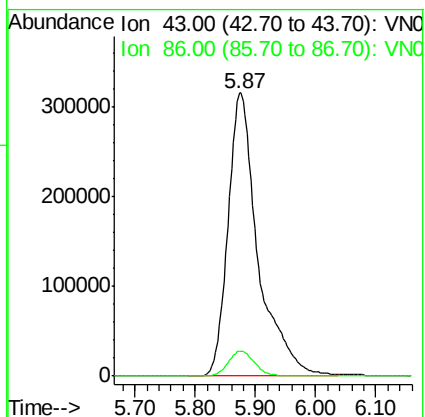
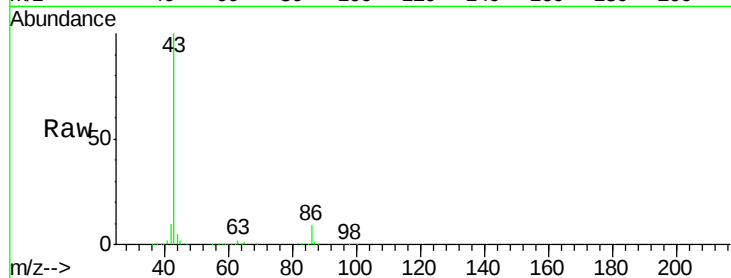
86 9.0 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.023 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

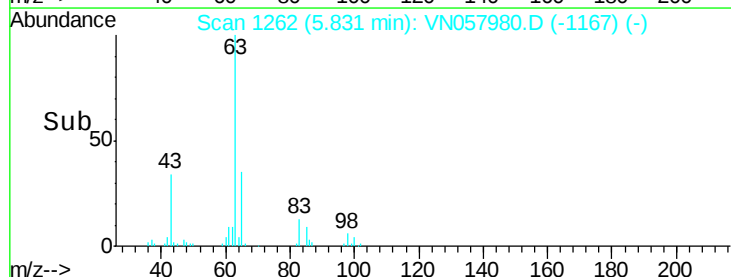
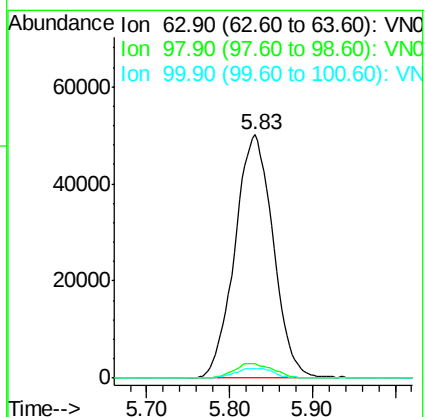
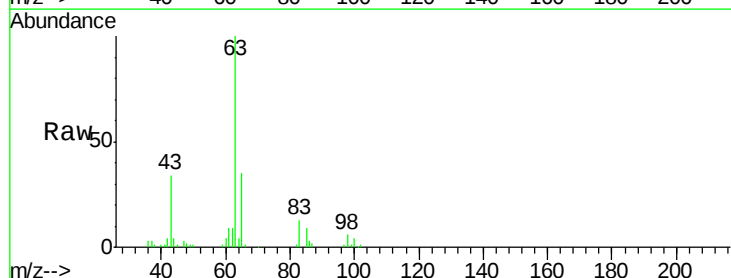
Tgt Ion: 63 Resp: 161237

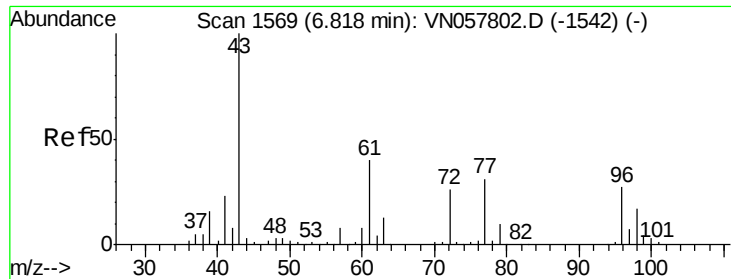
Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 100.914 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

Tot Ion: 43 Resp: 292390

Ion Ratio Lower Upper

43 100

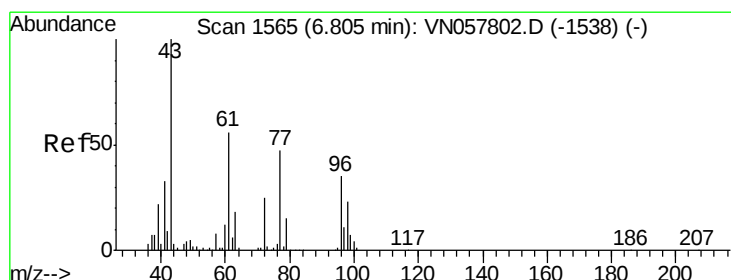
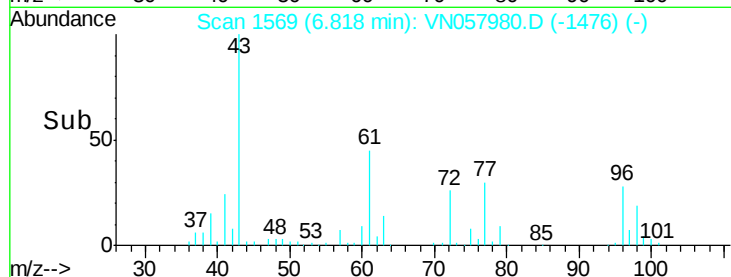
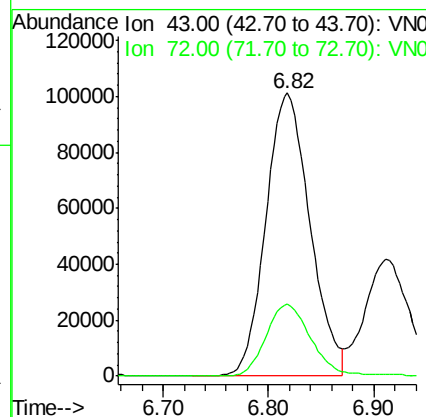
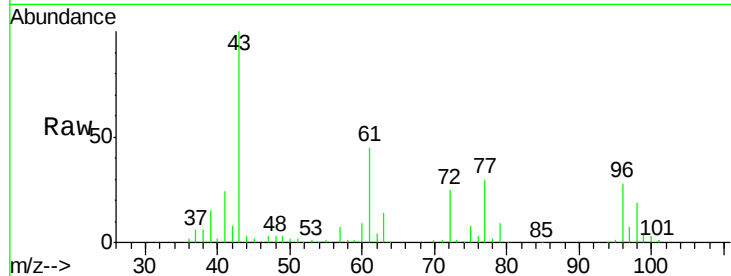
72 25.5 20.6 30.8

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 17.739 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057980.D

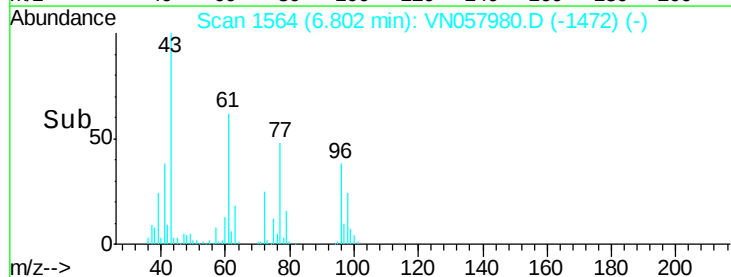
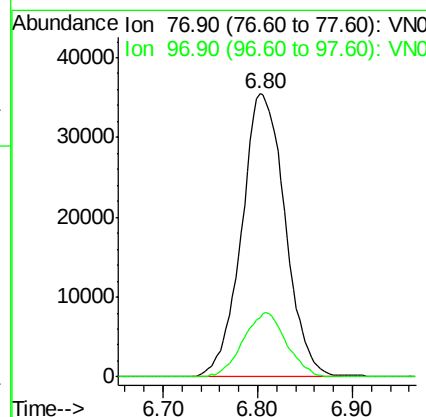
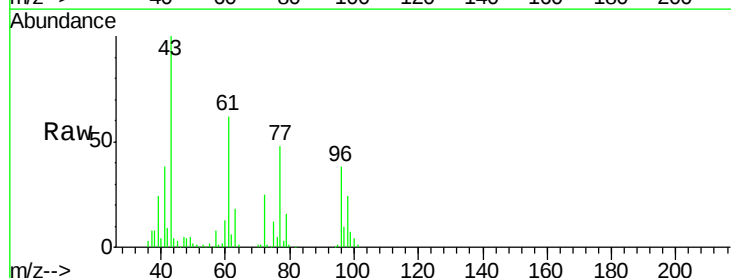
Acq: 12 Sep 2019 19:43

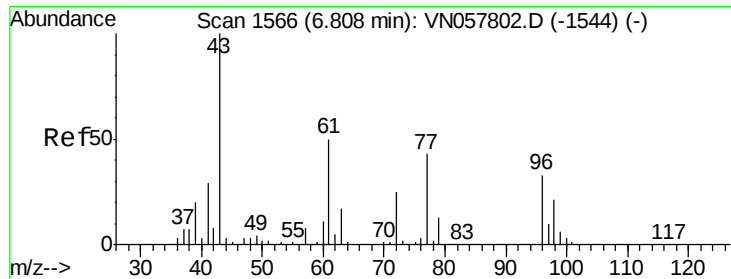
Tgt Ion: 77 Resp: 113043

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.3





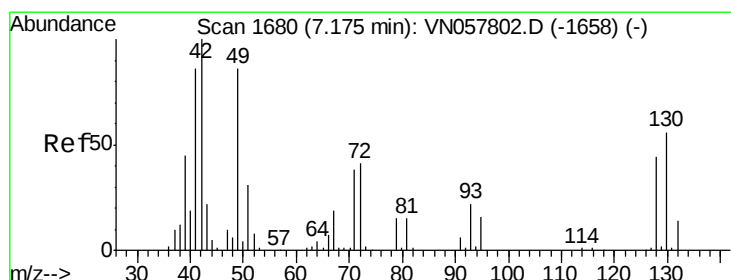
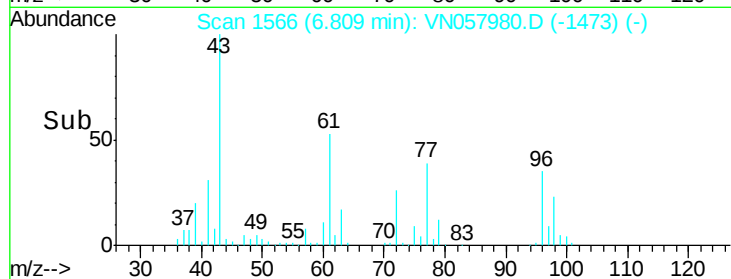
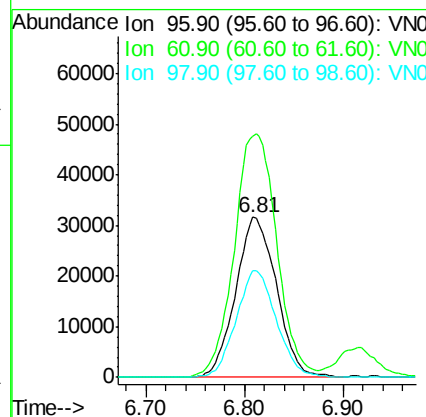
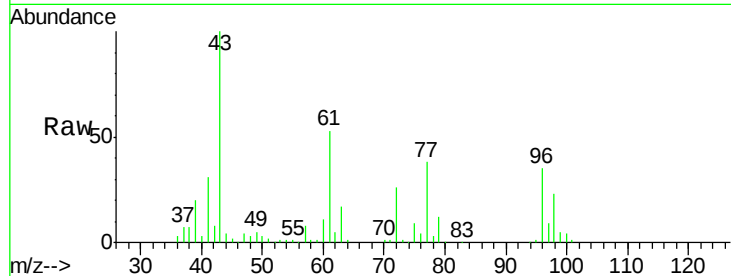
#27
 cis-1,2-Dichloroethene
 Concen: 19.542 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	158.4	0.0	314.0	
98	65.5	0.0	128.6	

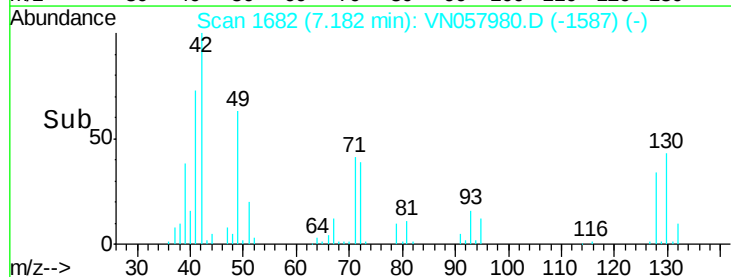
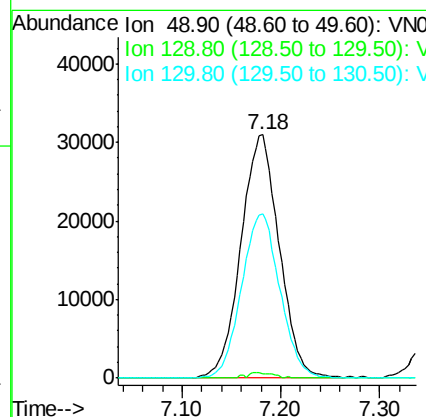
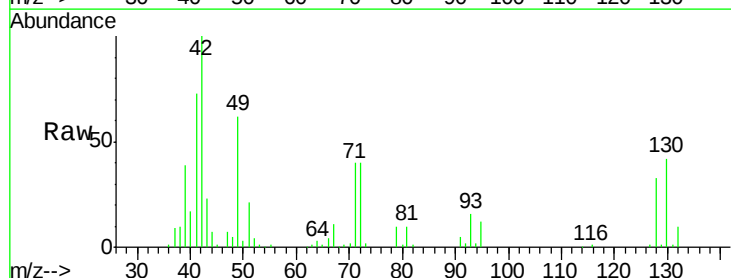
Manual Integrations
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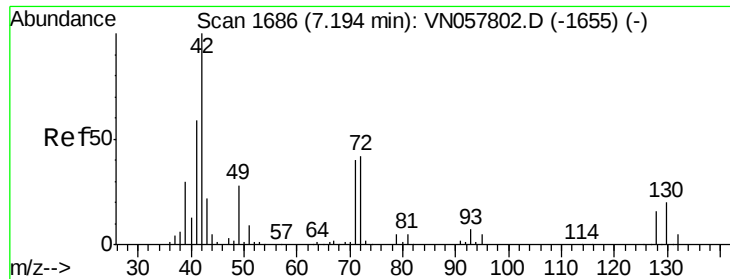
MMDadoda
 9/13/2019 1:04:56 PM



#28
 Bromochloromethane
 Concen: 20.739 ug/l
 RT: 7.18 min Scan# 1682
 Delta R.T. 0.01 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.3	0.0	3.8	
130	67.5	53.0	79.6	





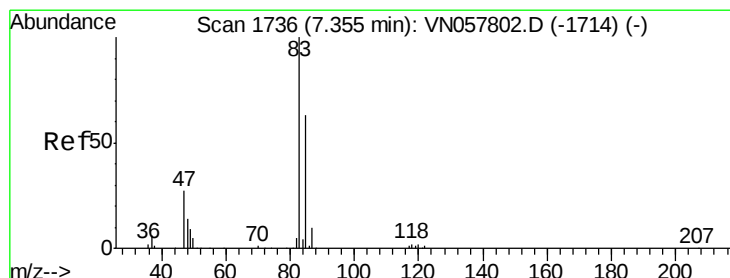
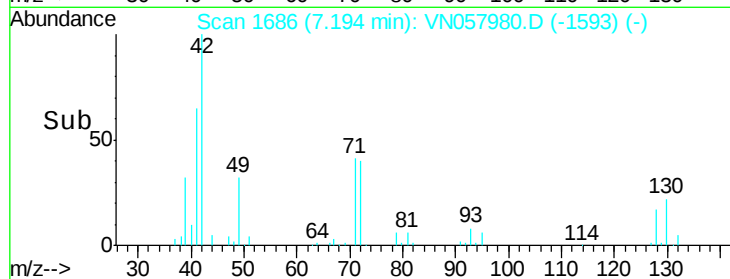
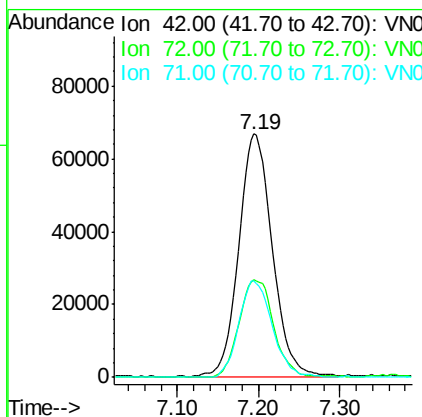
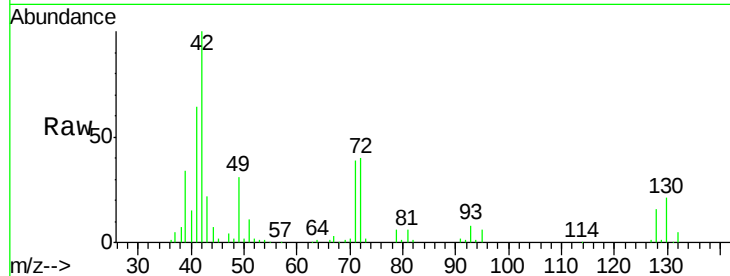
#29
Tetrahydrofuran
Concen: 105.752 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
42	100	188809		
72	41.5		33.7	50.5
71	39.7		31.9	47.9

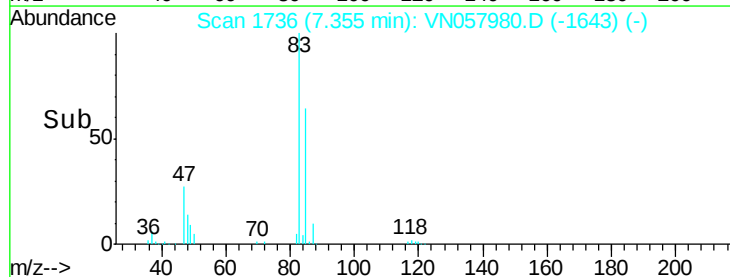
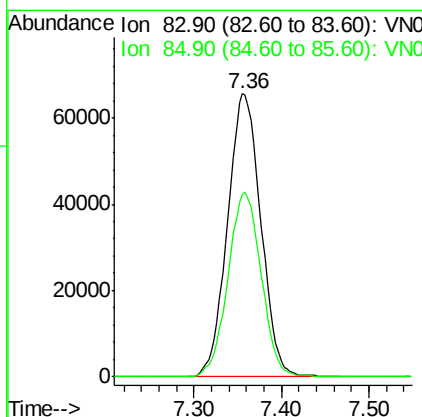
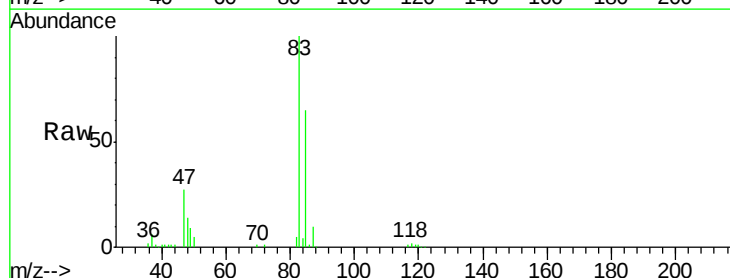
Manual Integrations
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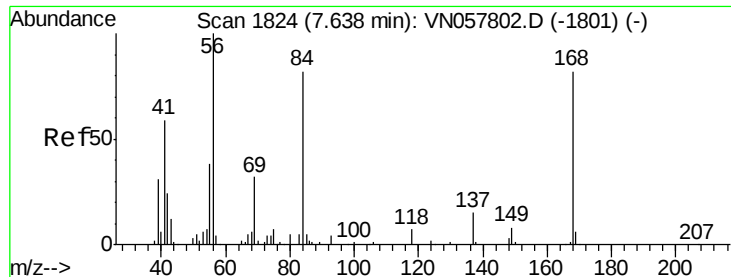
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9/13/2019 1:04:56 PM



#30
Chloroform
Concen: 20.539 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	172930		
85	64.6		50.6	75.8





#31

Cyclohexane

Concen: 18.968 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

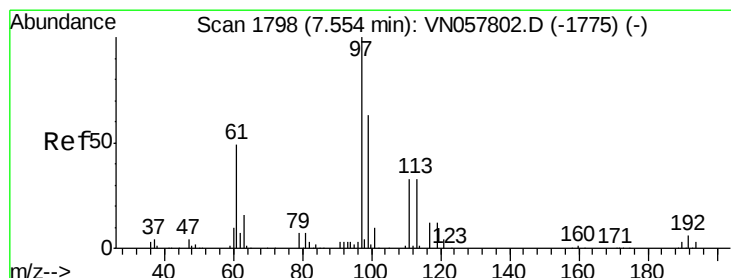
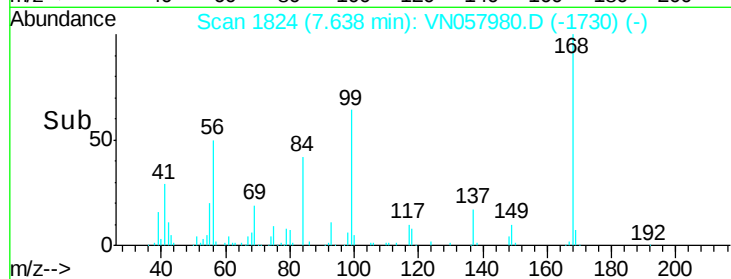
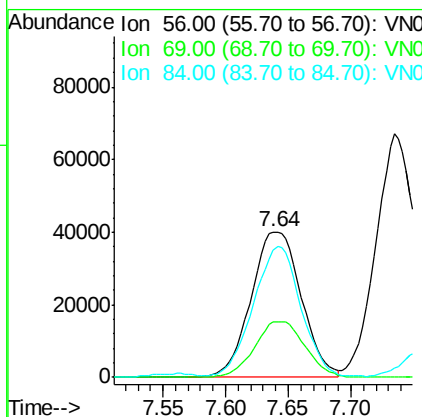
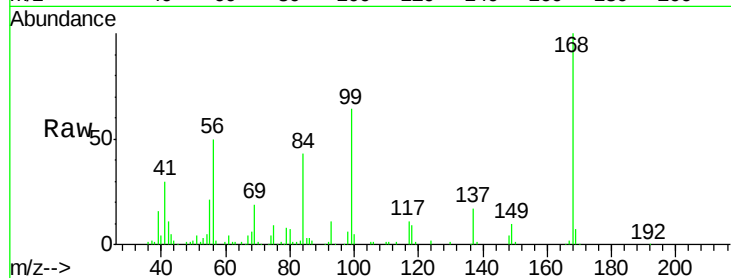
ClientSampleId :

VN0913WBSD02

Tot Ion:	56	Resp:	111701
Ion	Ratio	Lower	Upper
56	100		
69	38.2	25.9	38.9
84	85.8	65.6	98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.026 ug/l

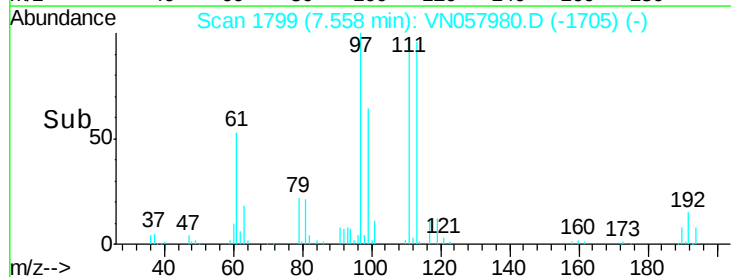
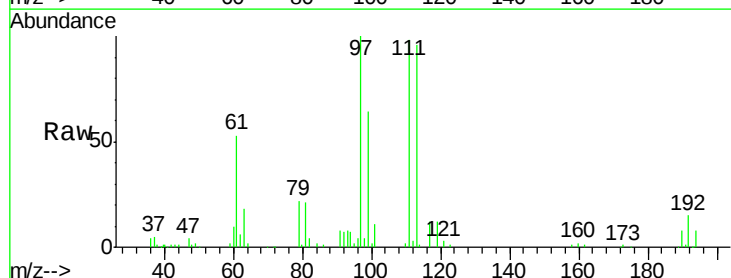
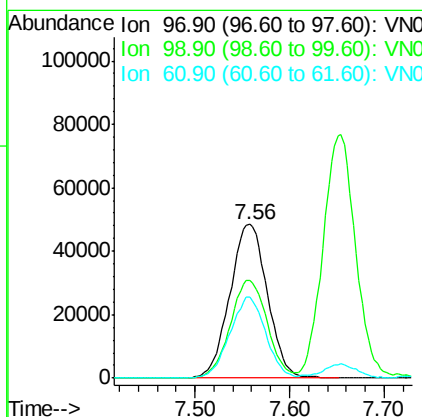
RT: 7.56 min Scan# 1799

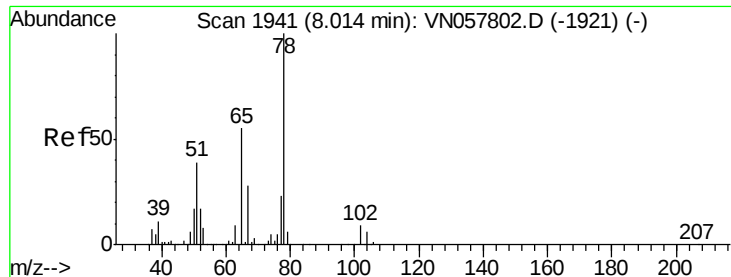
Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Tgt Ion:	97	Resp:	133726
Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.0	76.4
61	50.4	39.0	58.6





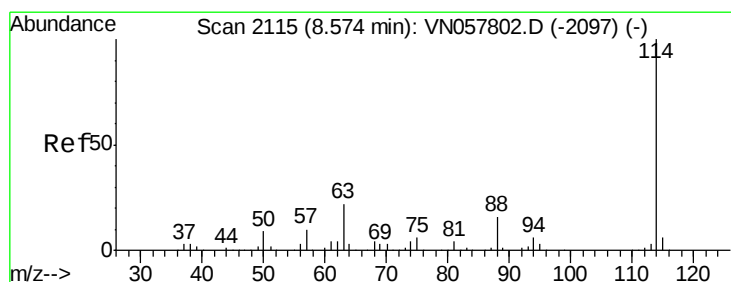
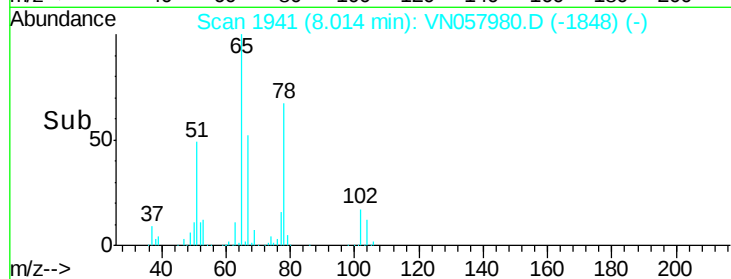
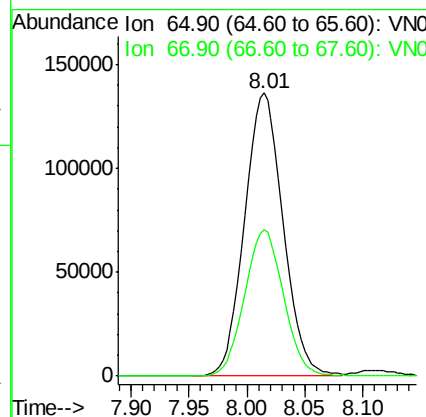
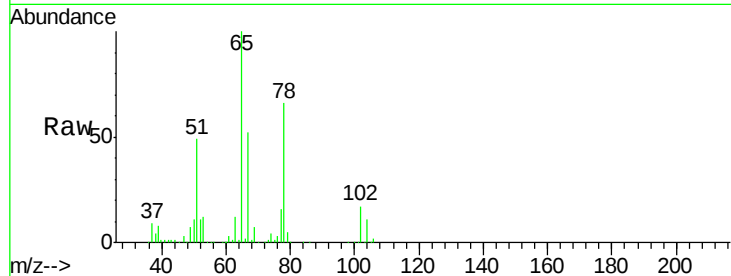
#33
 1,2-Dichloroethane-d4
 Concen: 51.679 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.3	0.0	104.0	

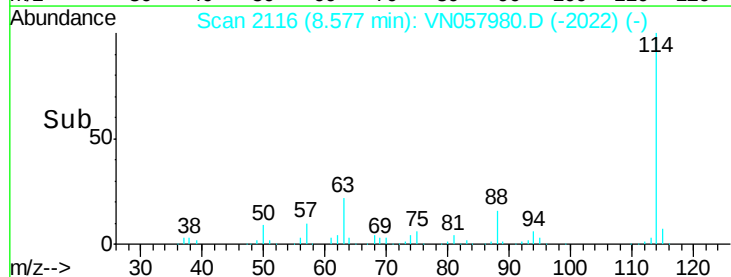
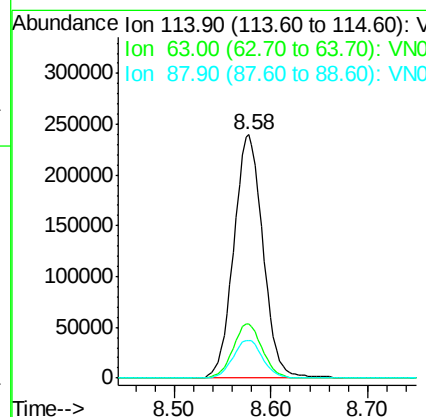
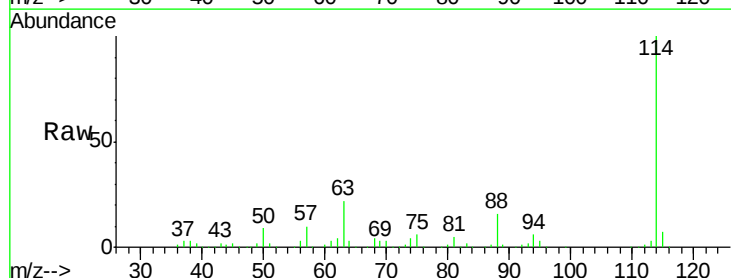
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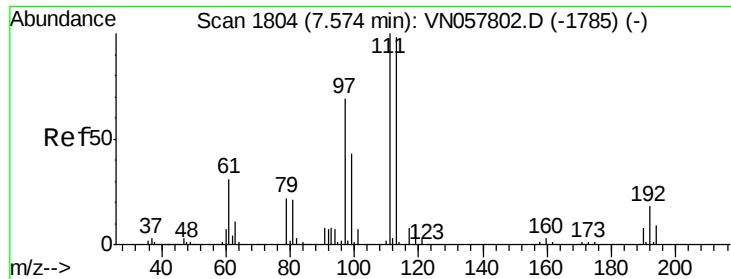
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.5	0.0	44.0	
88	15.7	0.0	31.4	





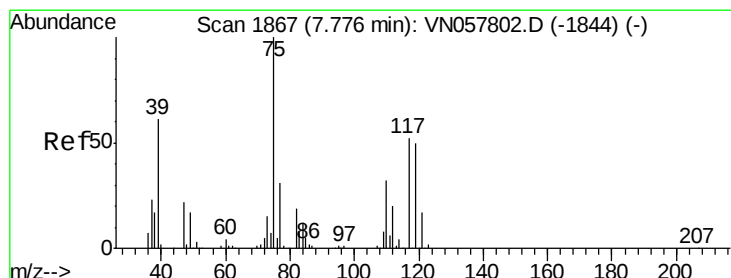
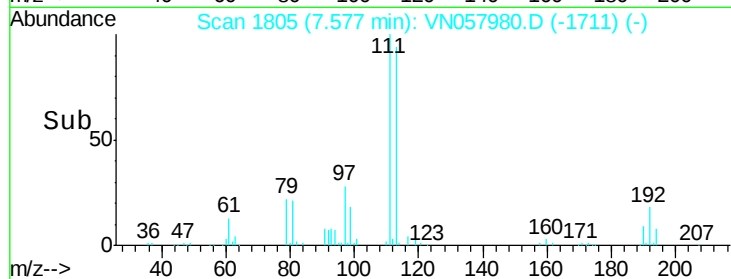
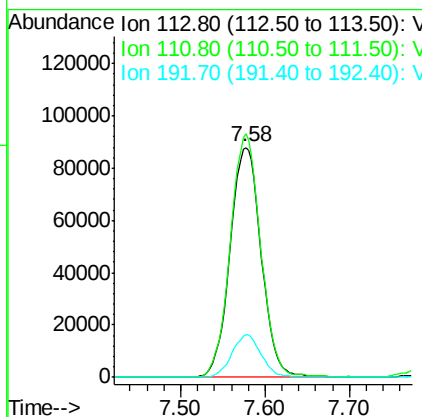
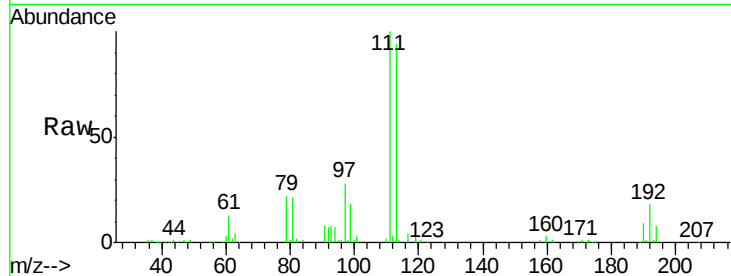
#35
 Dibromofluoromethane
 Concen: 49.021 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	226939		
111	102.9	81.3	121.9	
192	17.4	14.6	22.0	

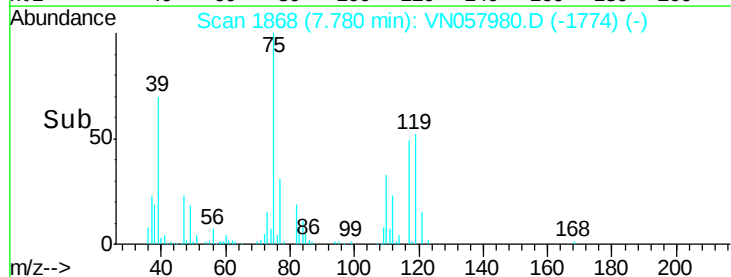
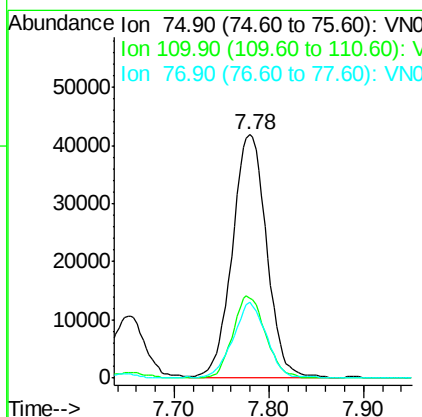
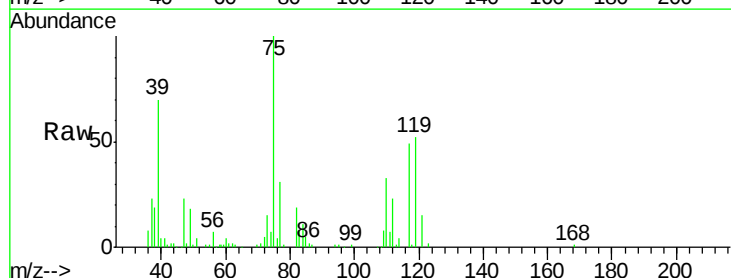
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#36
 1,1-Dichloropropene
 Concen: 18.213 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	105943		
110	31.8	16.3	48.9	
77	30.0	25.0	37.4	





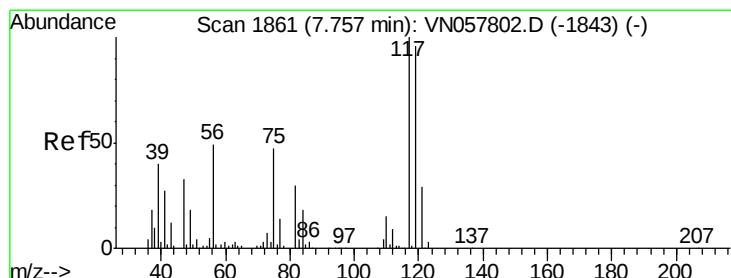
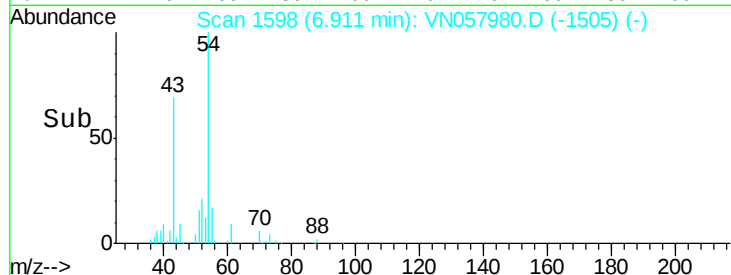
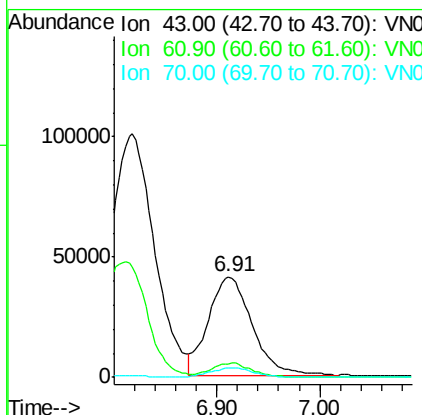
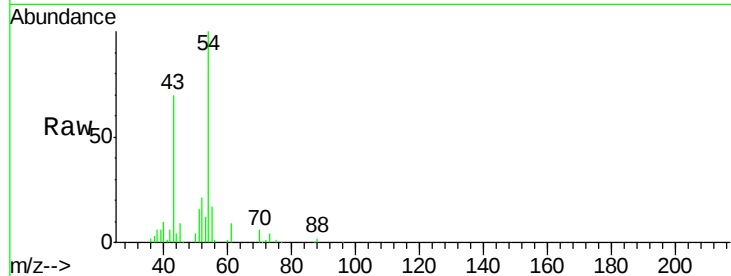
#37
Ethyl Acetate
Concen: 20.178 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleID :
VN0913WBSD02

Tot Ion	43	Resp	121272
Ion Ratio	100	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	9.5	7.4	11.0

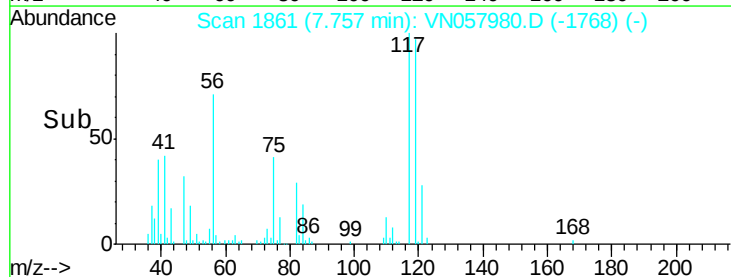
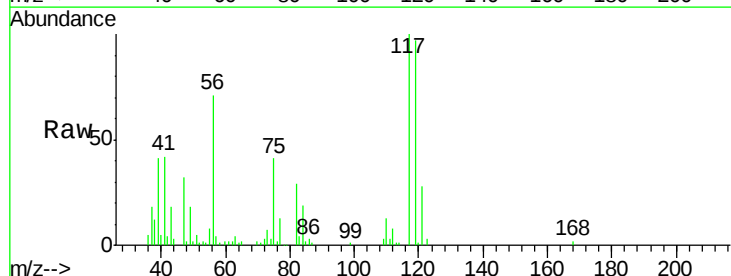
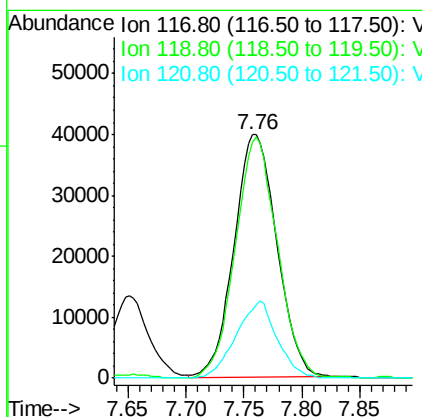
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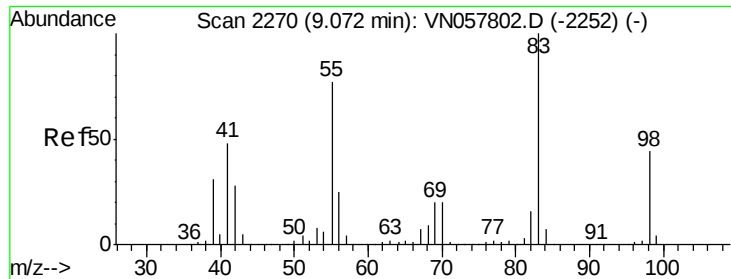
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.296 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion	117	Resp	102480
Ion Ratio	100	Lower	Upper
117	100		
119	97.5	76.9	115.3
121	28.2	23.4	35.2





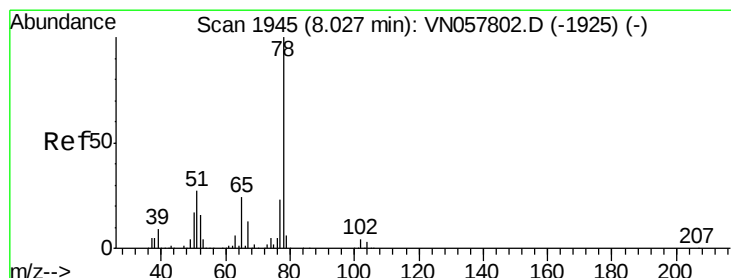
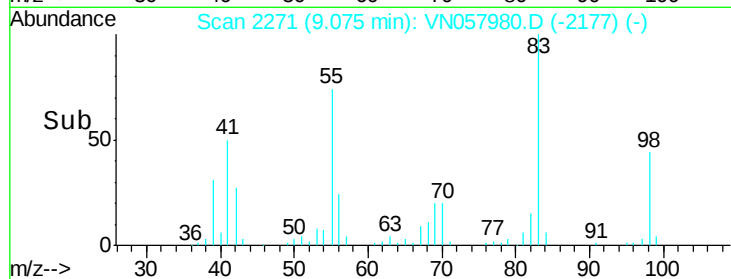
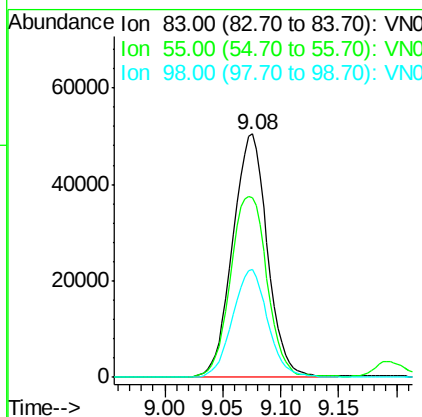
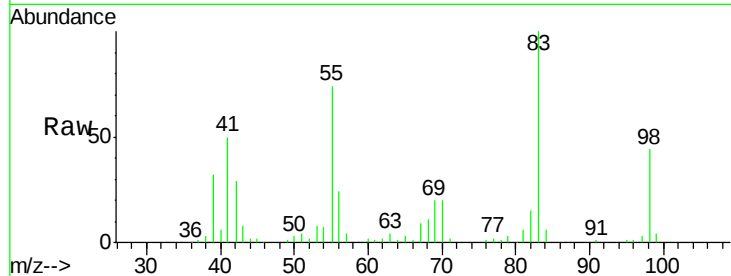
#39
Methvlcvclohexane
Concen: 17.173 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.0	61.6	92.4	
98	44.2	34.9	52.3	

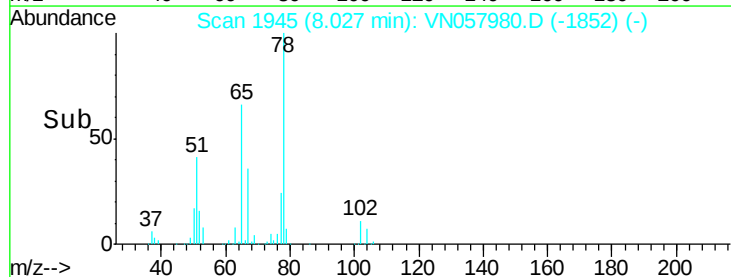
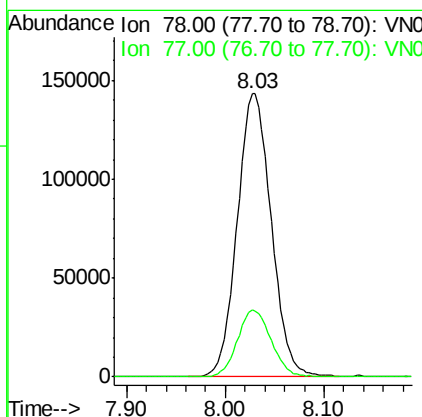
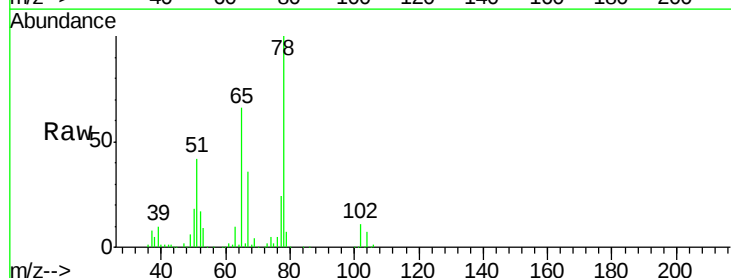
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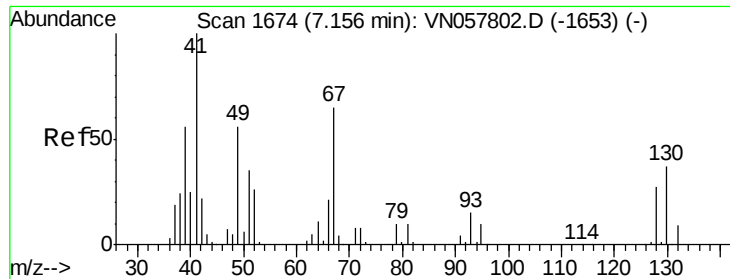
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#40
Benzene
Concen: 19.564 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	18.3	27.5	





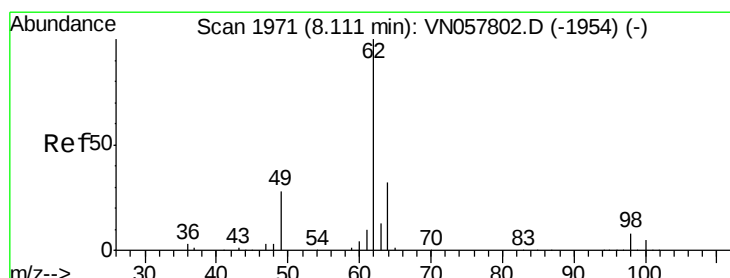
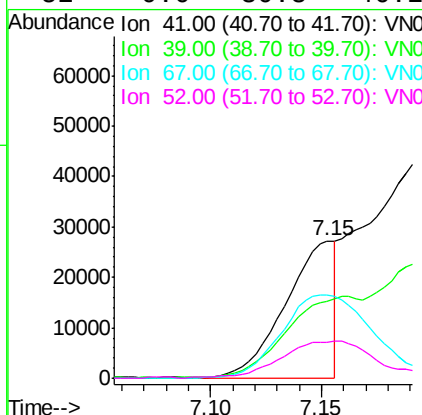
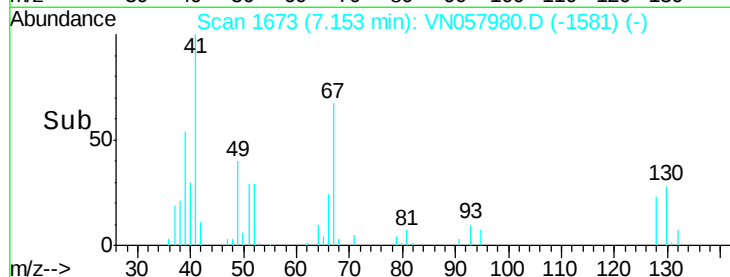
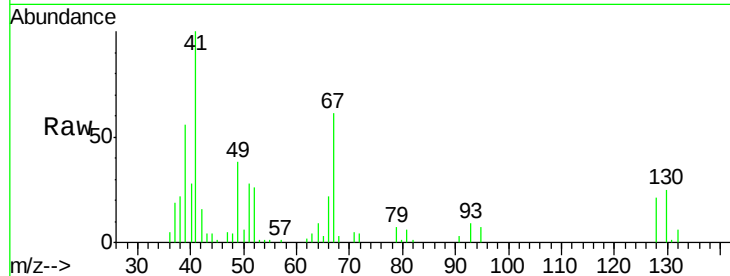
#41
Methacrylonitrile
Concen: 15.698 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.0	76.6#
67	0.0	70.7	106.1#
52	0.0	30.8	46.2#

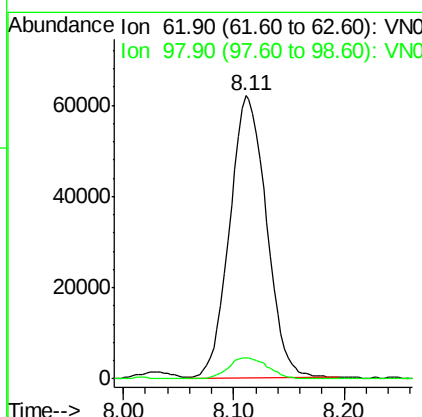
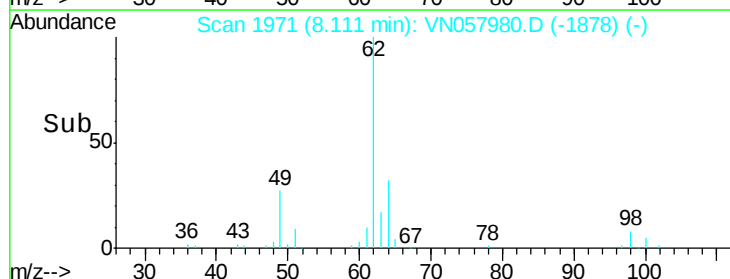
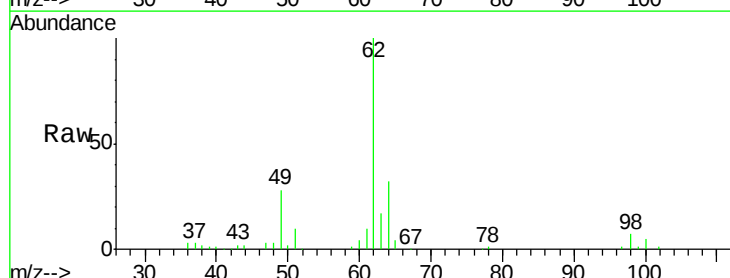
Manual Integrations
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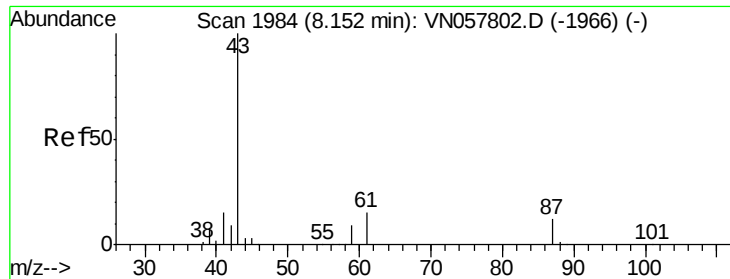
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#42
1,2-Dichloroethane
Concen: 20.425 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





#43

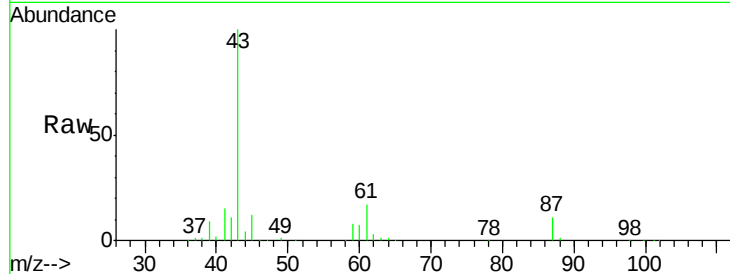
Isopropyl Acetate
 Concen: 25.819 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

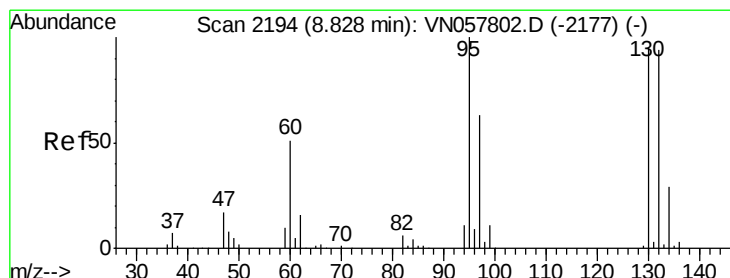
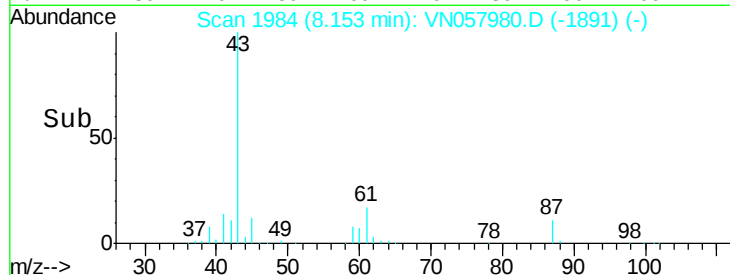
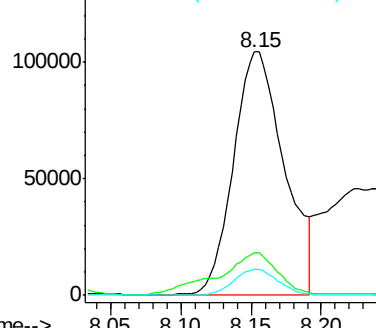
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	20.1	30.1
87	9.5	9.5	14.3

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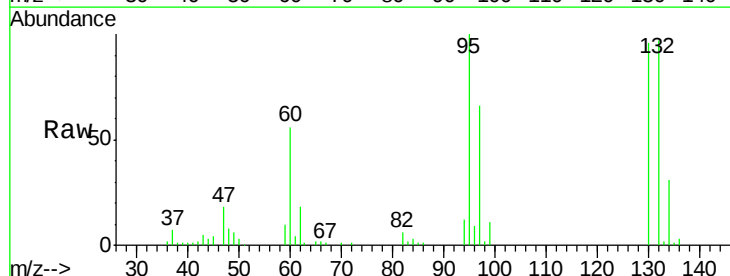
Abundance Ion 43.00 (42.70 to 43.70): VN057980.D (-1966) (-)



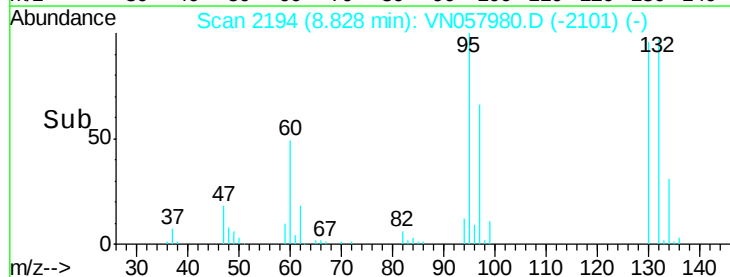
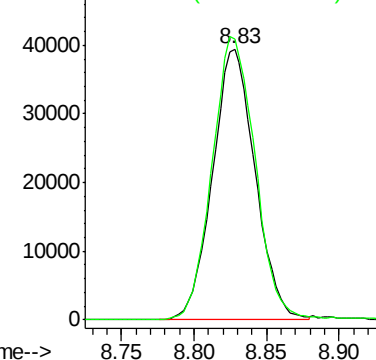
#44

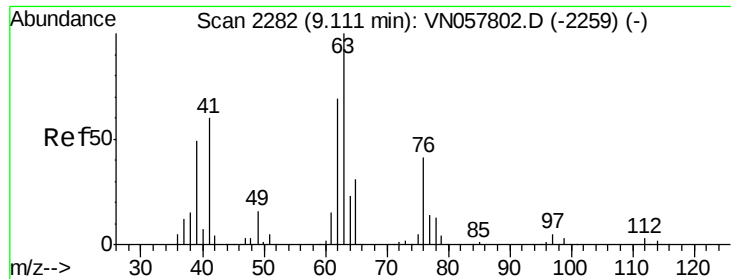
Trichloroethene
 Concen: 18.774 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	211.4



Abundance Ion 129.80 (129.50 to 130.50): VN057980.D (-2177) (-)





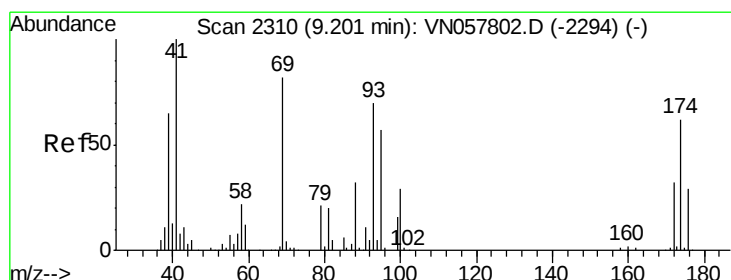
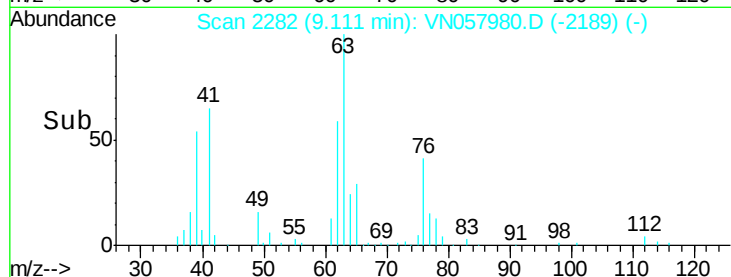
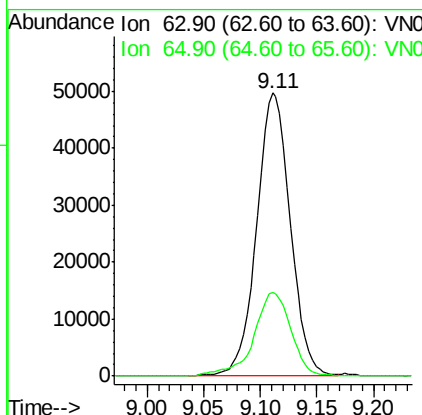
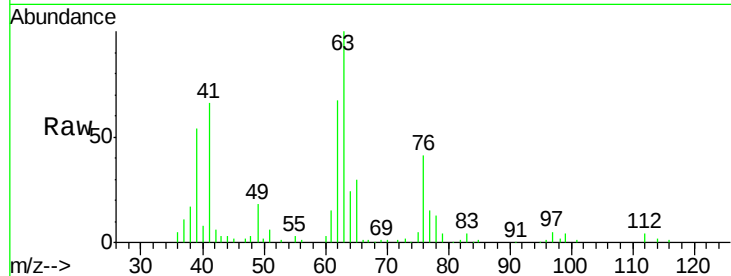
#45
 1,2-Dichloropropane
 Concen: 20.172 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

Tot Ion: 63 Resp: 102797
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.8 37.2

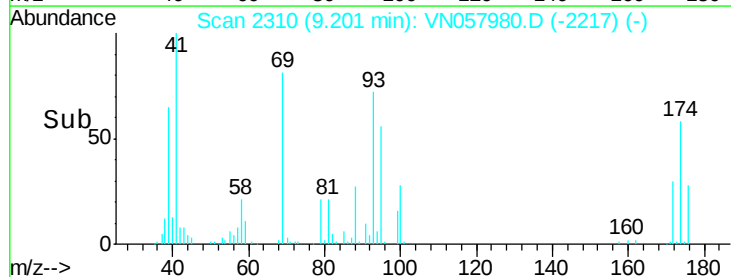
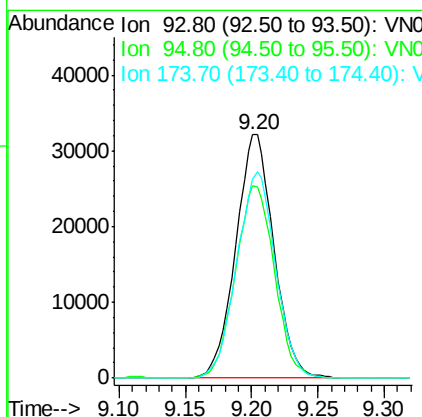
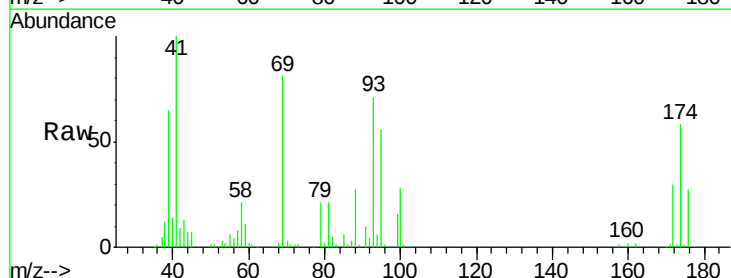
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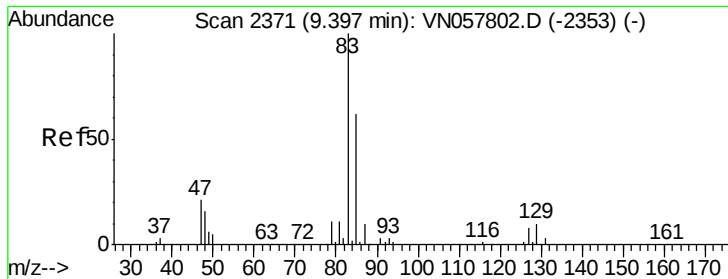
MMDadoda
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#46
 Dibromomethane
 Concen: 20.823 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion: 93 Resp: 64122
 Ion Ratio Lower Upper
 93 100
 95 80.5 65.9 98.9
 174 86.3 71.8 107.6





#47

Bromodichloromethane

Concen: 20.542 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

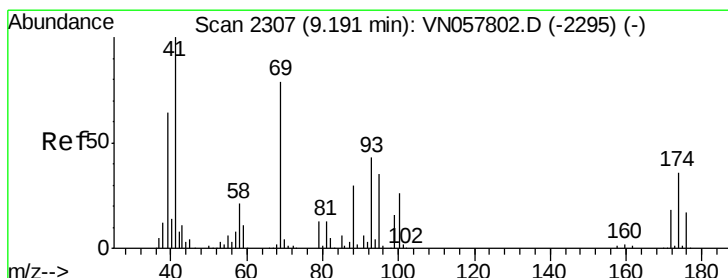
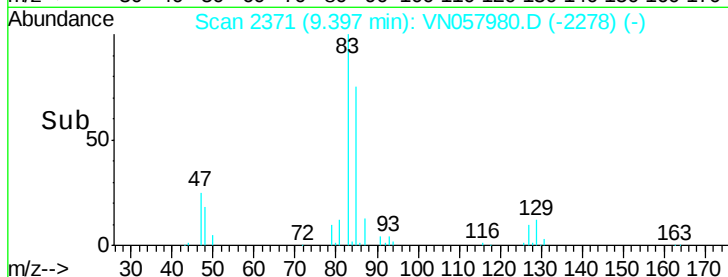
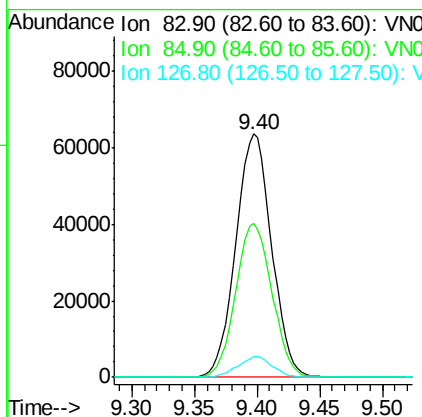
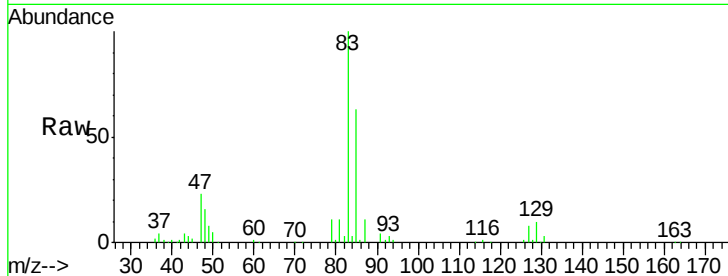
ClientSampleId :

VN0913WBSD02

Tot Ion:	83	Resp:	126321
Ion Ratio	Lower	Upper	
83	100		
85	63.1	49.9	74.9
127	8.5	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.573 ug/l

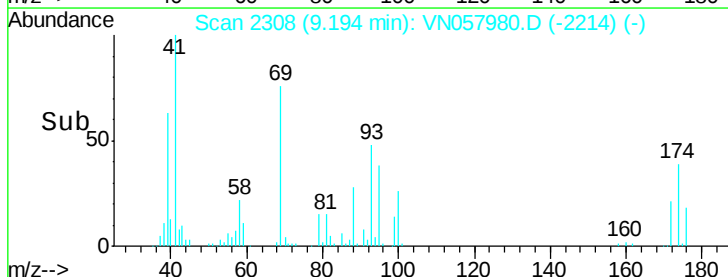
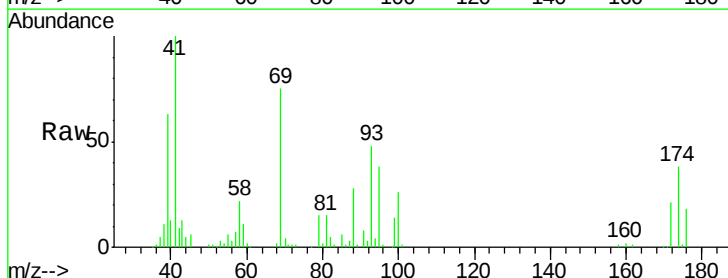
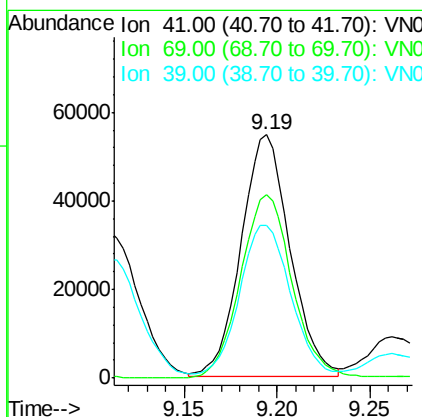
RT: 9.19 min Scan# 2308

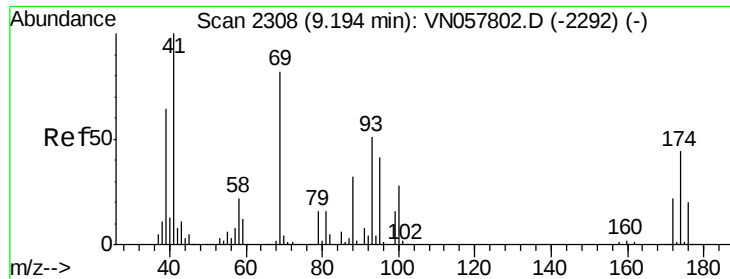
Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Tgt Ion:	41	Resp:	100352
Ion Ratio	Lower	Upper	
41	100		
69	80.6	62.7	94.1
39	65.9	52.7	79.1





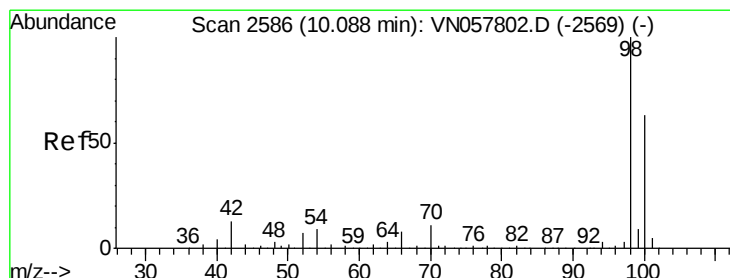
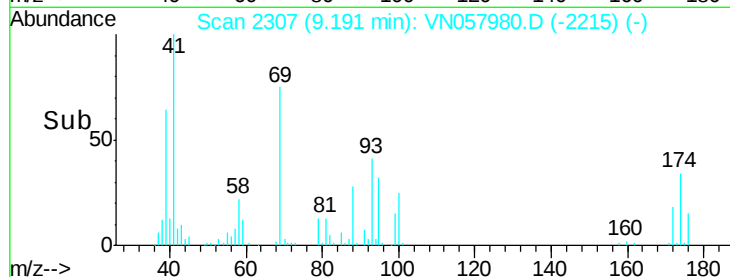
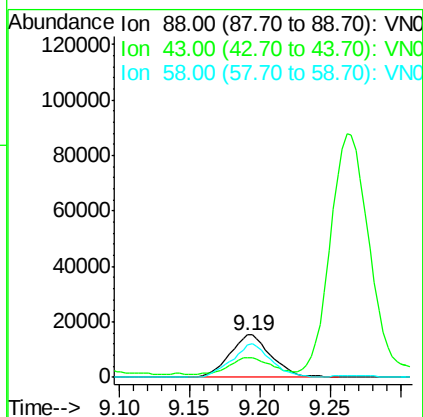
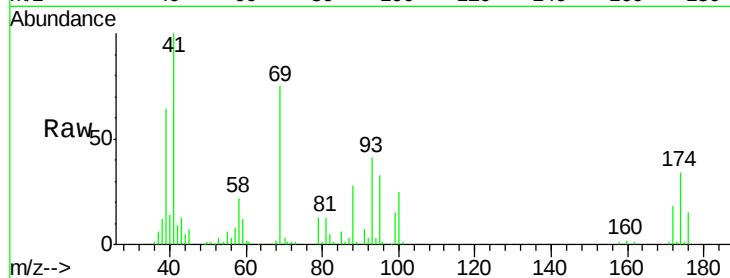
#49
 1,4-Dioxane
 Concen: 360.411 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.0	28.5	42.7
58	74.5	55.8	83.6

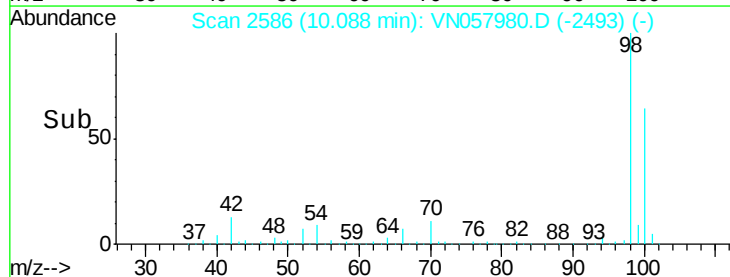
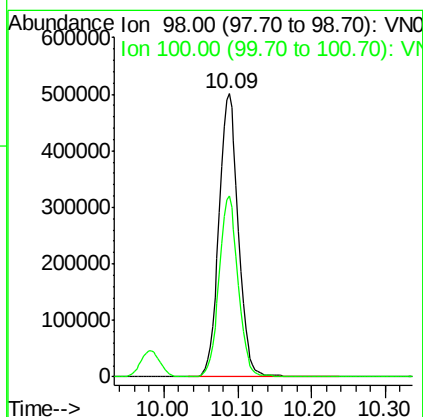
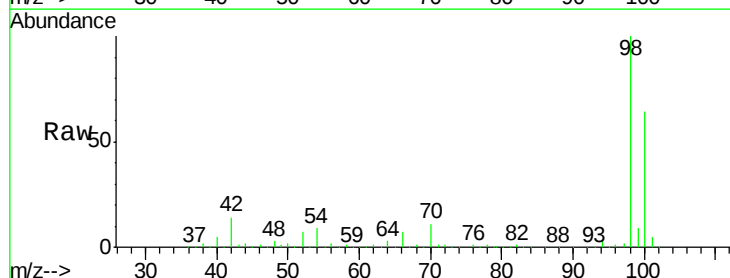
Manual Integrations
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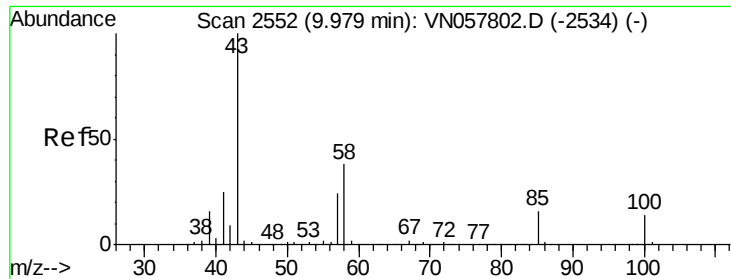
MMDadoda
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#50
 Toluene-d8
 Concen: 50.635 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 107.766 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

Tot Ion: 43 Resp: 644547

Ion Ratio Lower Upper

43 100

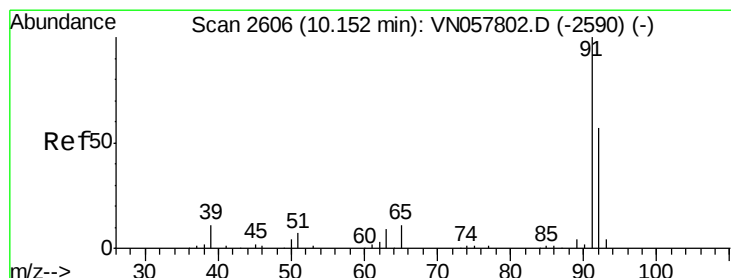
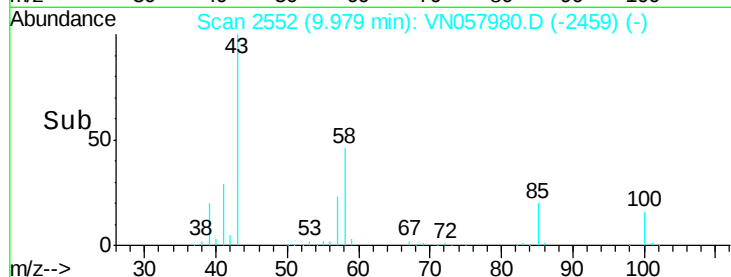
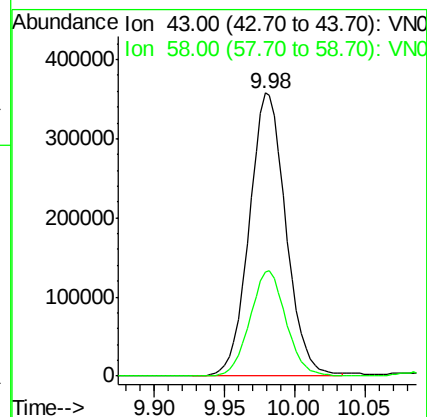
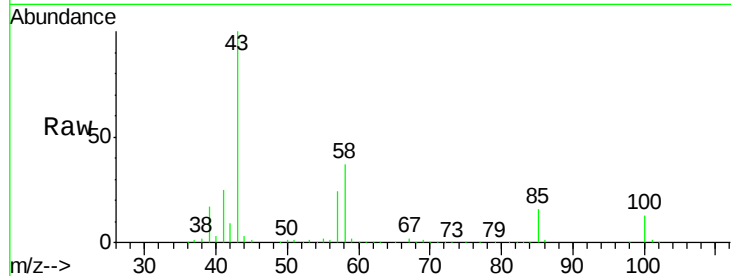
58 37.2 29.8 44.6

Manual Integrations

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#52

Toluene

Concen: 19.490 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057980.D

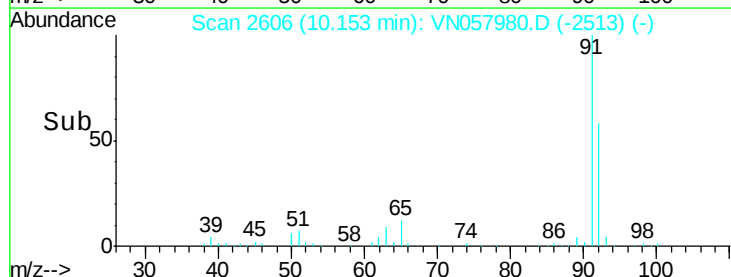
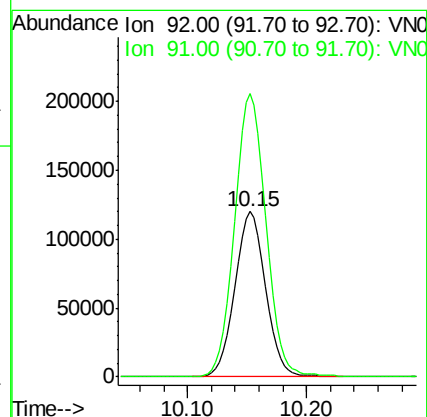
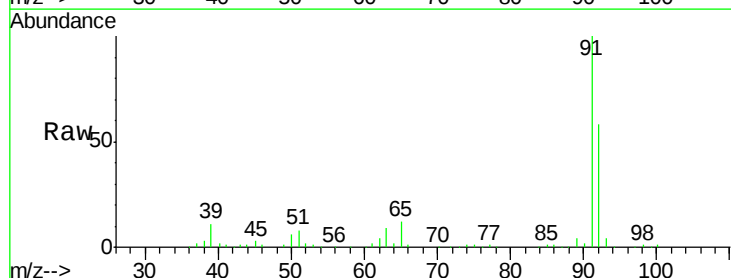
Acq: 12 Sep 2019 19:43

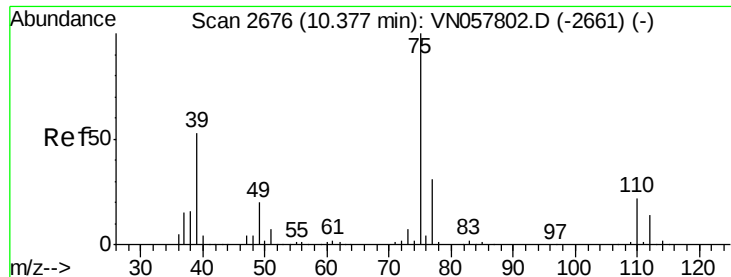
Tgt Ion: 92 Resp: 214984

Ion Ratio Lower Upper

92 100

91 174.9 141.0 211.6





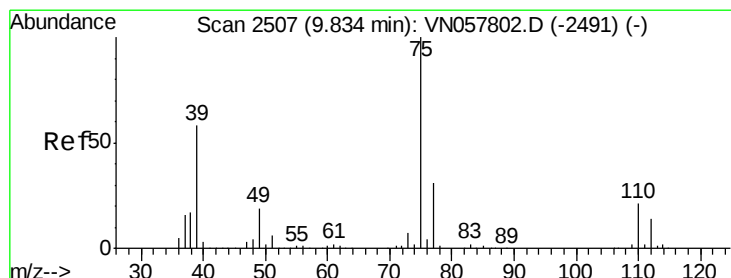
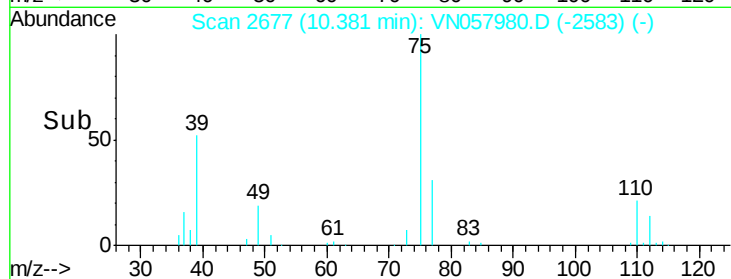
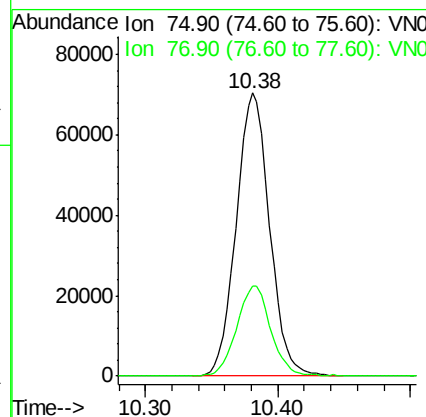
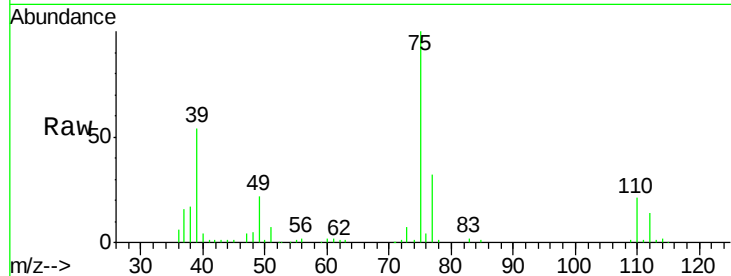
#53
t-1,3-Dichloropropene
Concen: 18.975 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.5	36.7

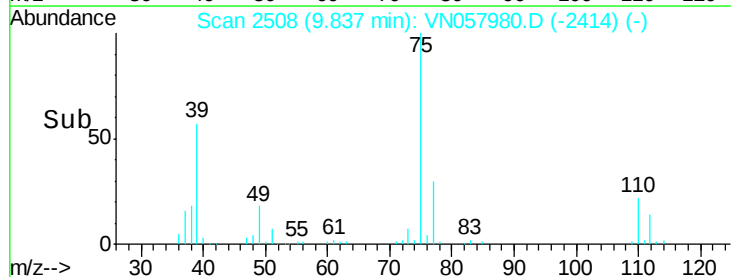
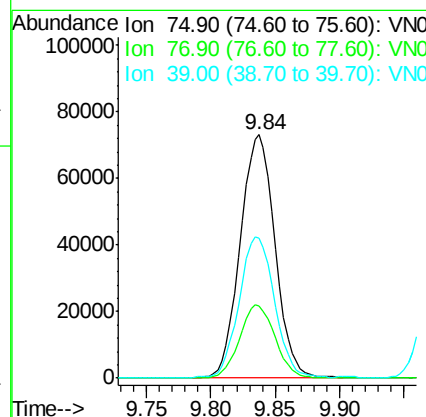
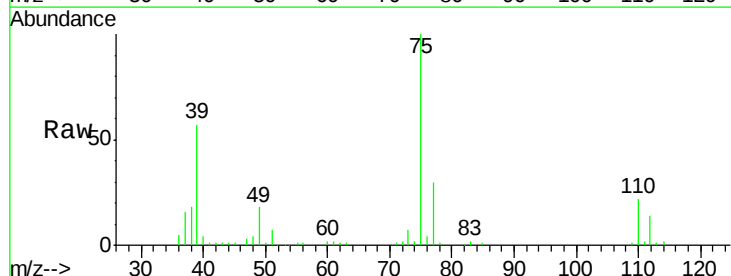
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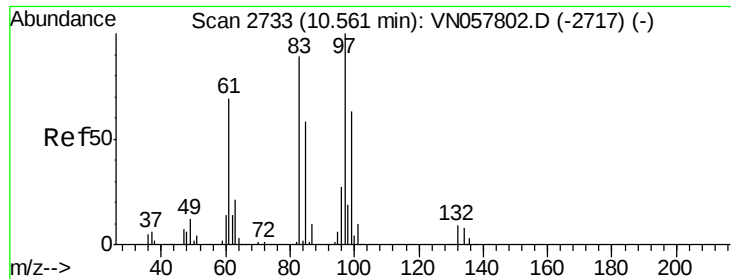
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#54
cis-1,3-Dichloropropene
Concen: 19.238 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.6	24.8	37.2
39	57.0	46.2	69.4





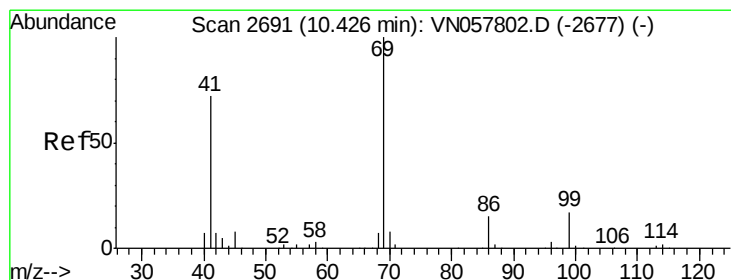
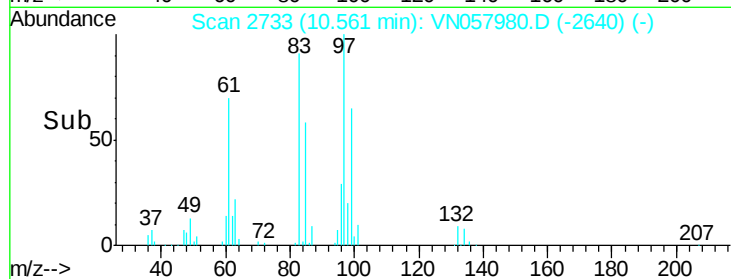
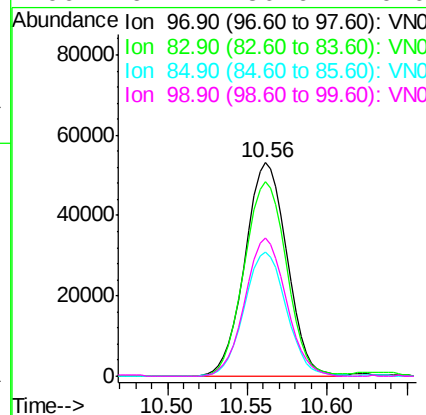
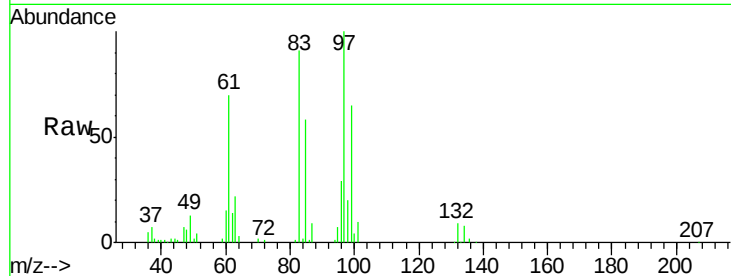
#55
 1,1,2-Trichloroethane
 Concen: 20.451 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		95554		
83	90.9	70.8	106.2		
85	57.9	46.0	69.0		
99	64.7	50.6	76.0		

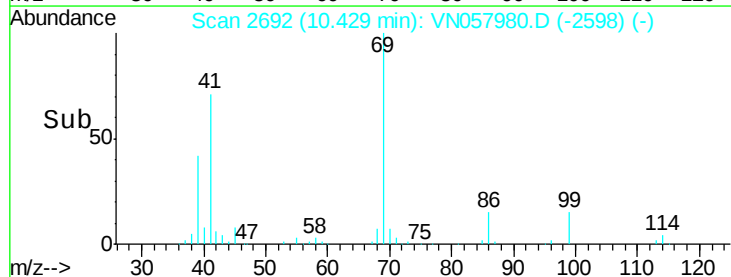
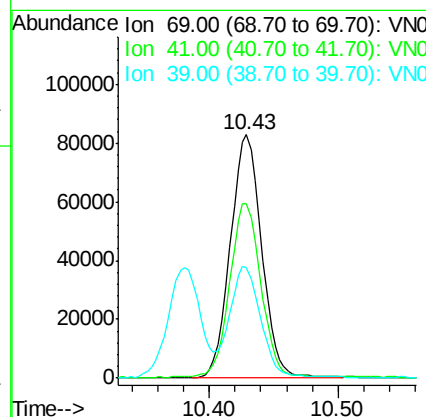
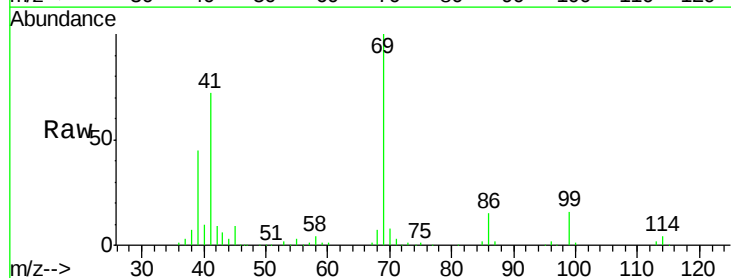
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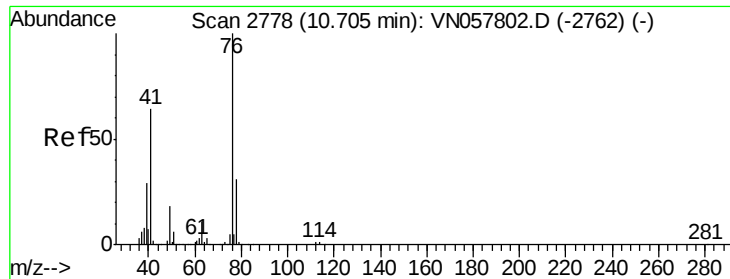
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#56
 Ethyl methacrylate
 Concen: 19.869 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		139802		
41	70.7	56.7	85.1		
39	45.9	36.3	54.5		





#57

1,3-Dichloropropane

Concen: 20.136 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

Tot Ion: 76 Resp: 162136

Ion Ratio Lower Upper

76 100

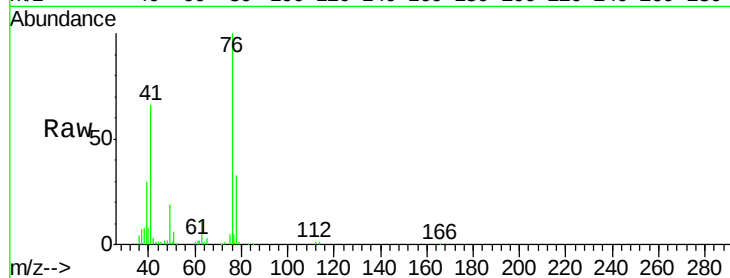
78 32.4 25.4 38.2

Manual Integrations

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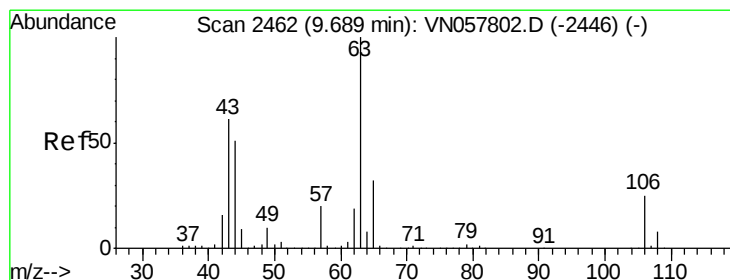
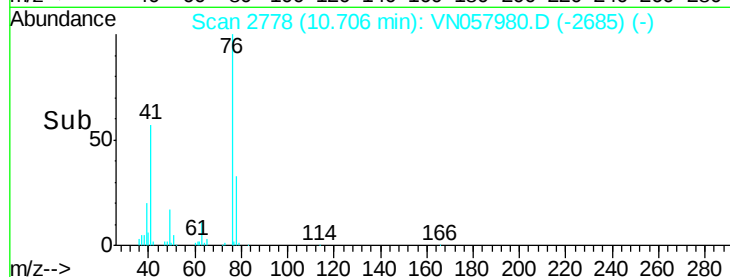
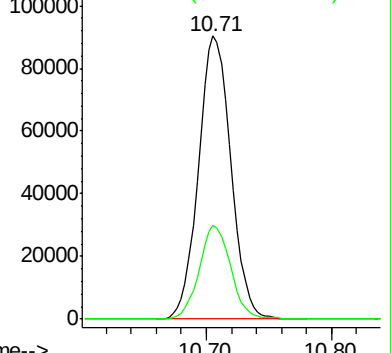
MMDadoda

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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: 91.303 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN057980.D

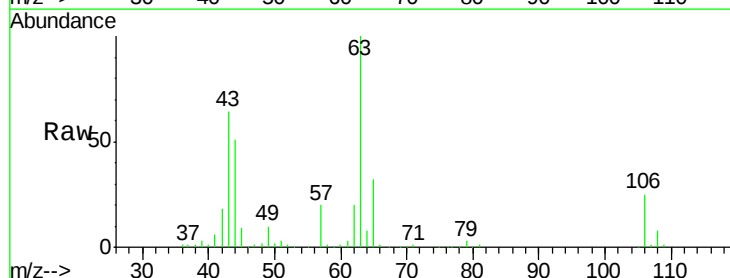
Acq: 12 Sep 2019 19:43

Tgt Ion: 63 Resp: 302571

Ion Ratio Lower Upper

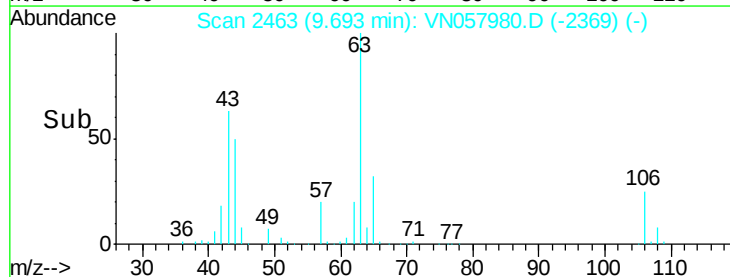
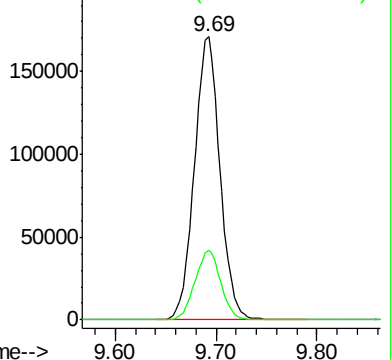
63 100

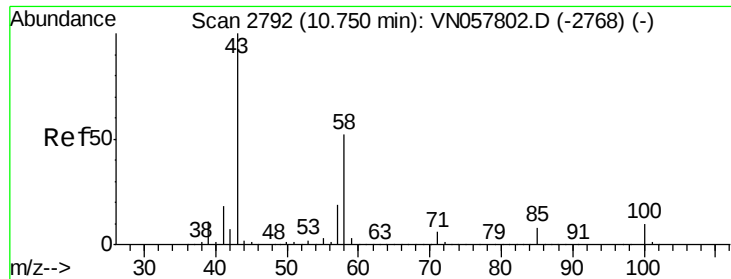
106 24.8 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





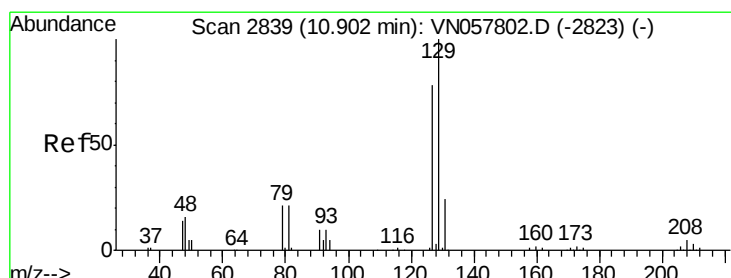
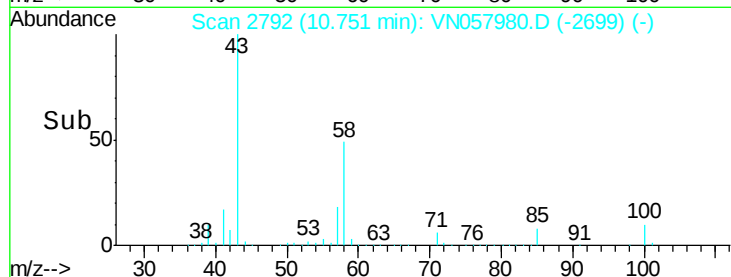
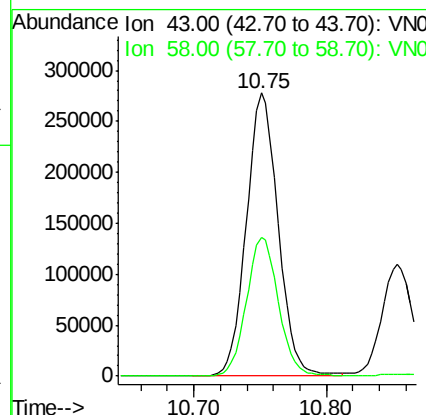
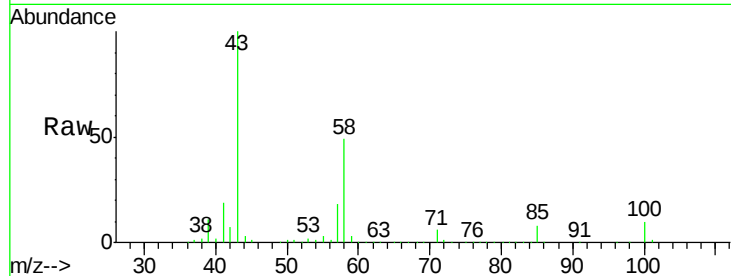
#59
2-Hexanone
Concen: 102.515 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

Tot Ion: 43 Resp: 459573
Ion Ratio Lower Upper
43 100
58 49.7 25.6 76.8

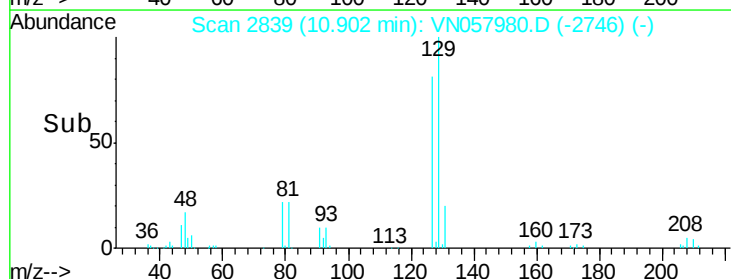
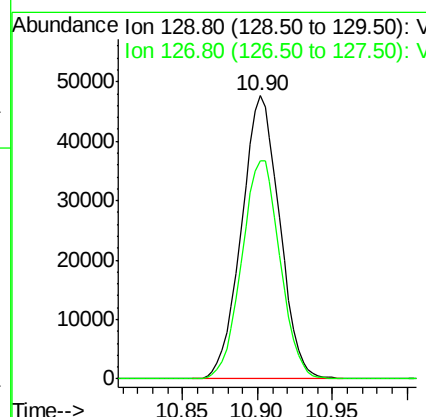
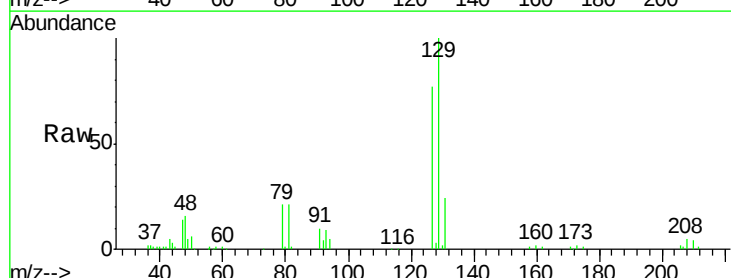
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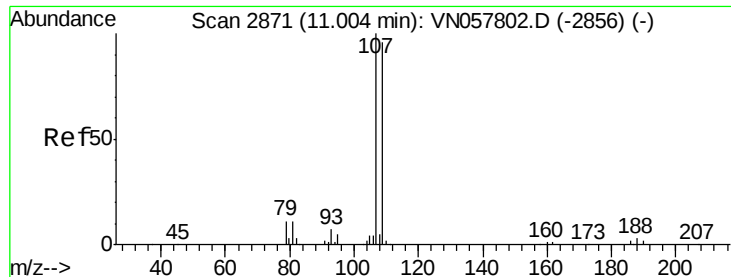
MMDadoda
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#60
Dibromochloromethane
Concen: 19.446 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion: 129 Resp: 84370
Ion Ratio Lower Upper
129 100
127 77.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.684 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

Tot Ion: 107 Resp: 86950

Ion Ratio Lower Upper

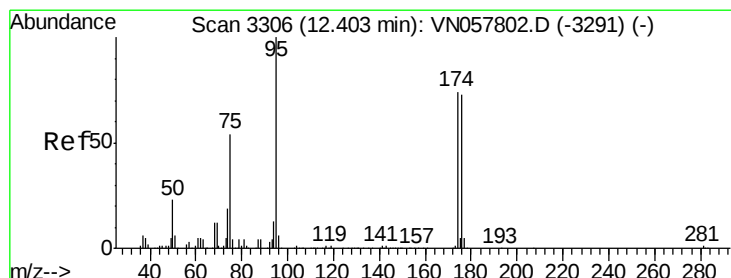
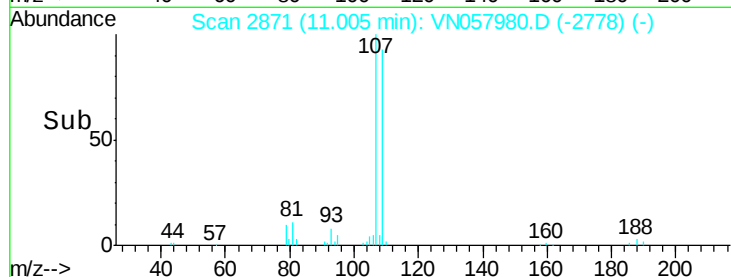
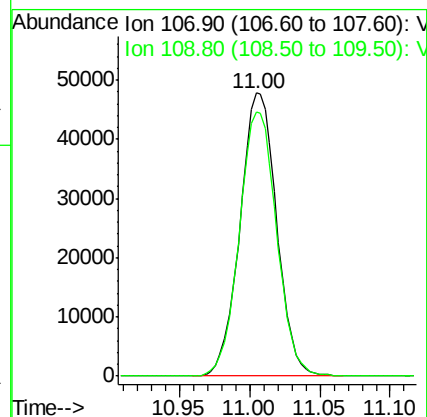
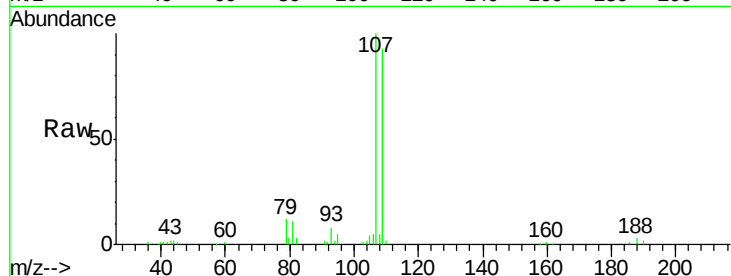
107 100

109 95.0 75.3 112.9

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 45.982 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

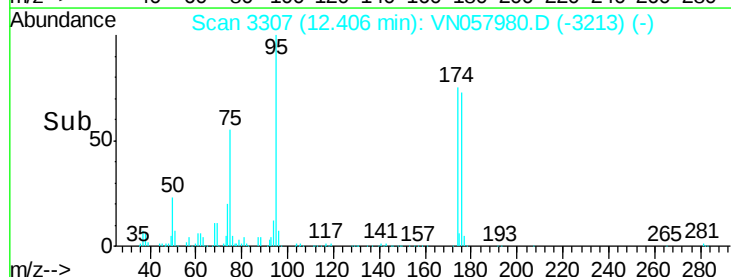
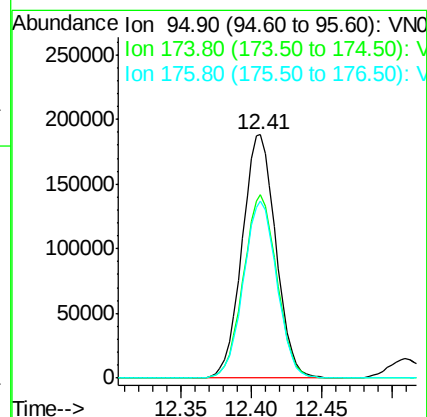
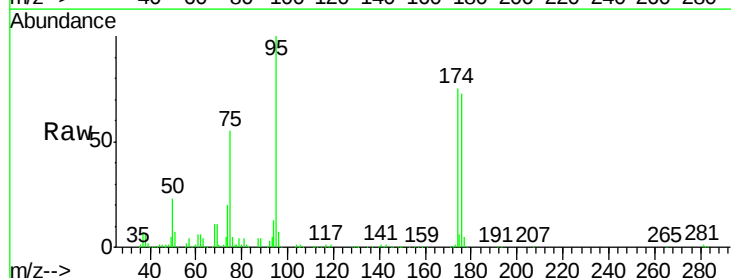
Tgt Ion: 95 Resp: 314957

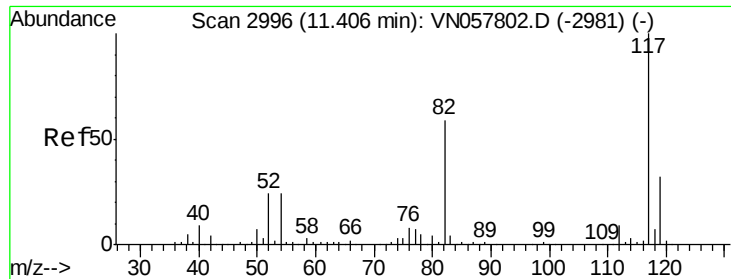
Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.2

176 72.0 0.0 146.0





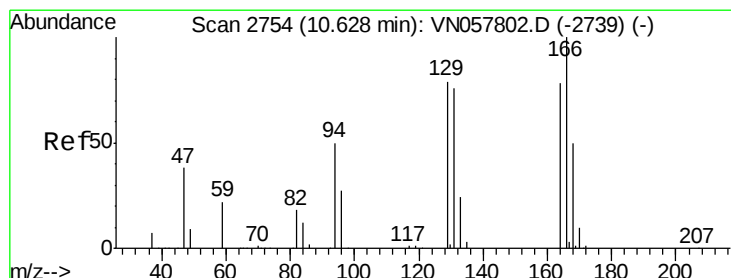
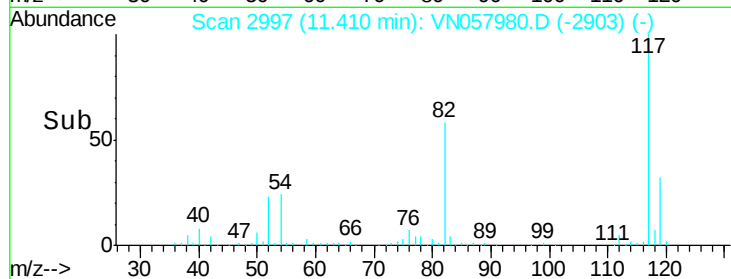
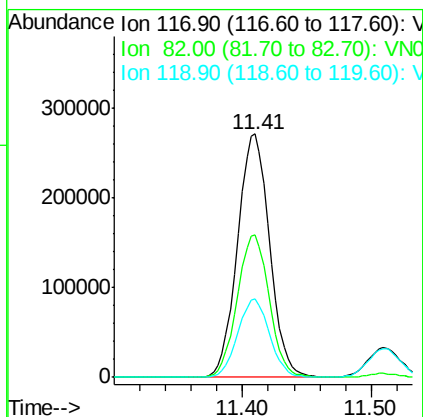
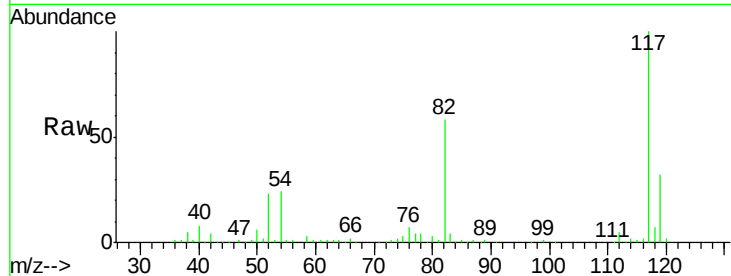
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.2	70.8
119	32.0	25.3	37.9

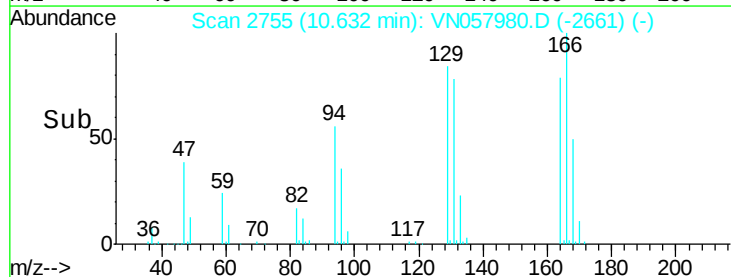
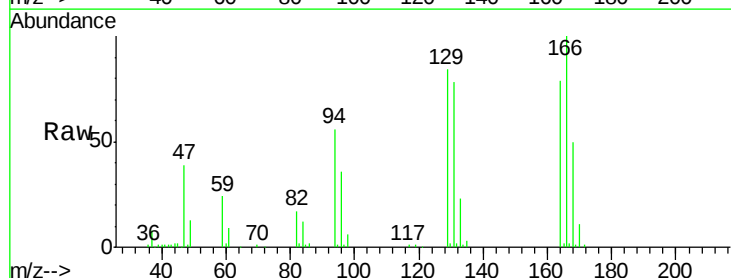
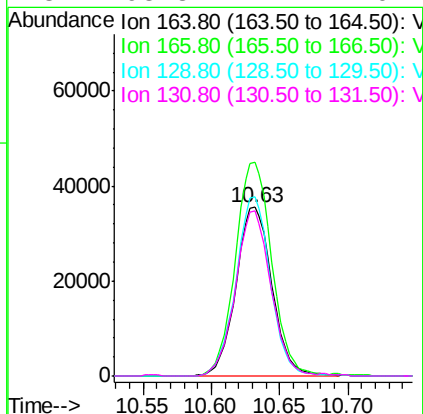
Manual Integrations
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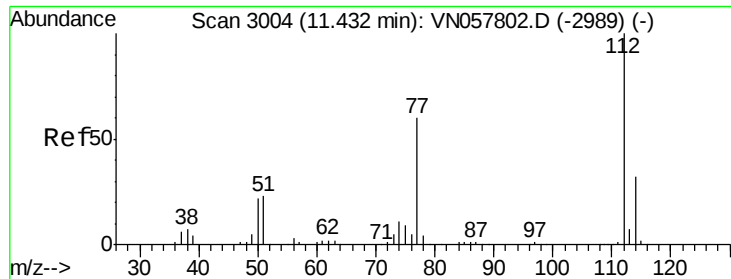
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#64
Tetrachloroethene
Concen: 18.798 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	102.2	153.2
129	106.6	80.8	121.2
131	98.3	77.4	116.2





#65

Chlorobenzene

Concen: 19.478 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

Tot Ion:112 Resp: 239433

Ion Ratio Lower Upper

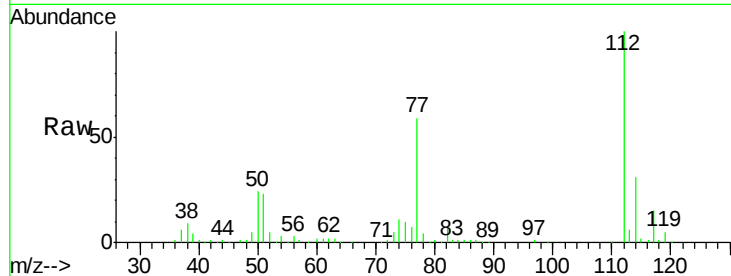
112 100

114 31.1 25.2 37.8

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

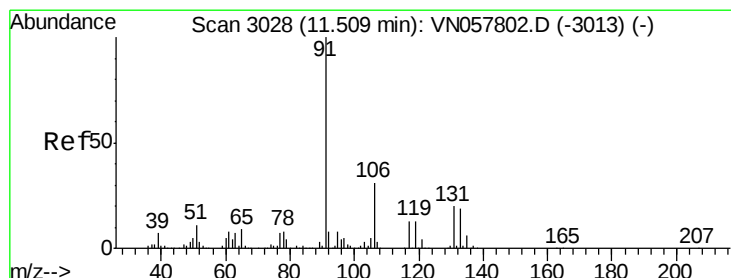
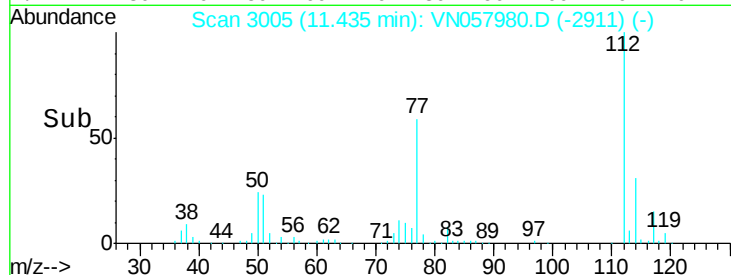
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.113 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

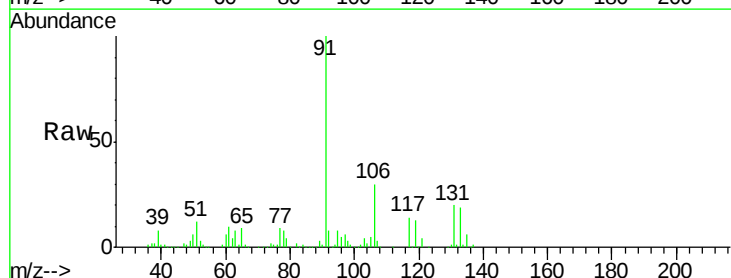
Tgt Ion:131 Resp: 85791

Ion Ratio Lower Upper

131 100

133 94.8 47.1 141.3

119 66.0 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

80000

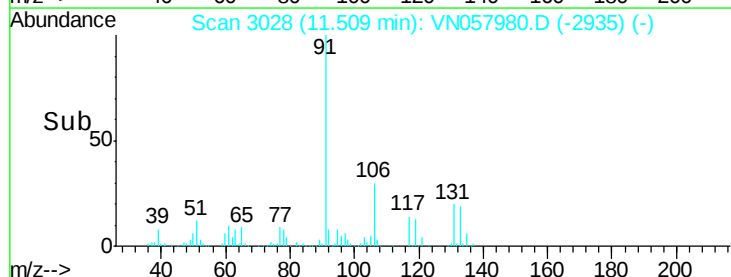
60000

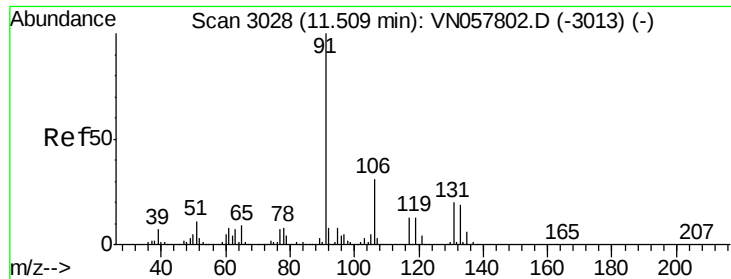
40000

20000

0

Time-->





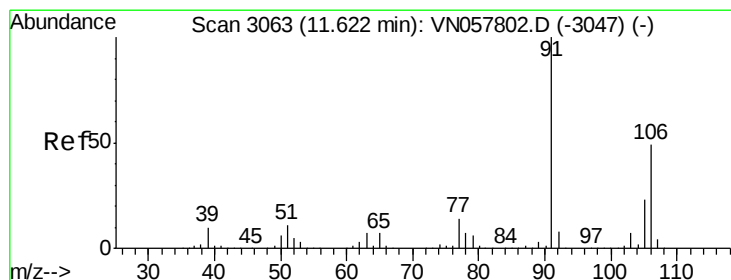
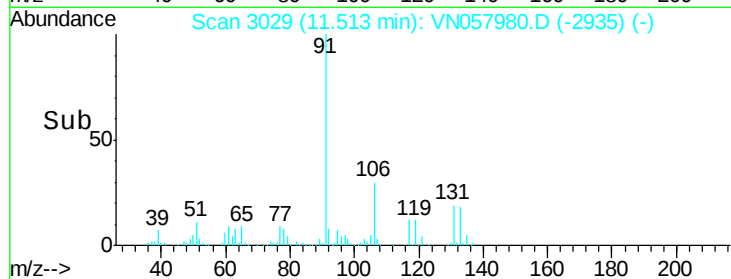
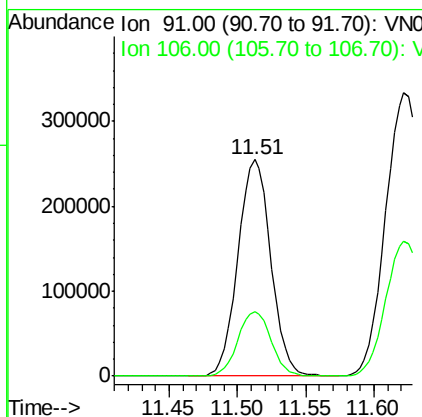
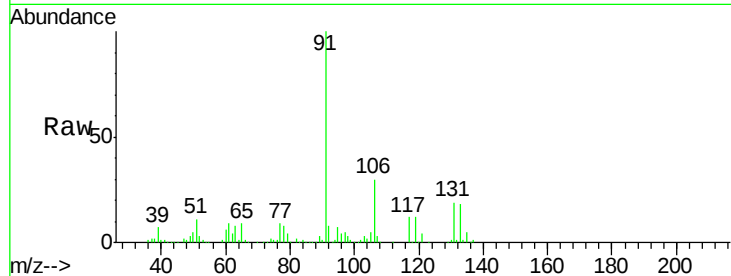
#67
Ethyl Benzene
Concen: 19.835 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

Tot Ion: 91 Resp: 427298
Ion Ratio Lower Upper
91 100
106 29.6 24.4 36.6

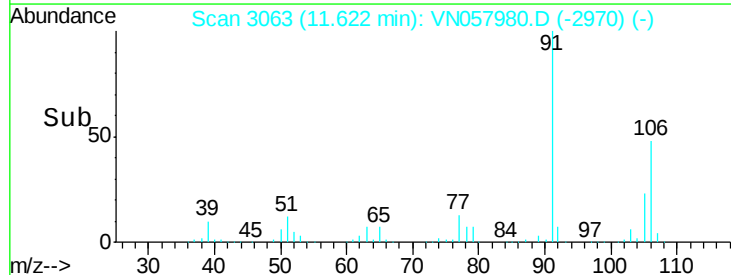
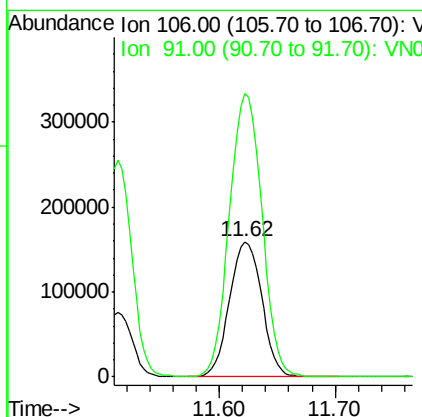
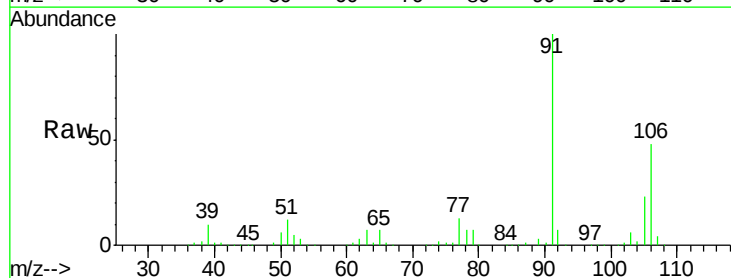
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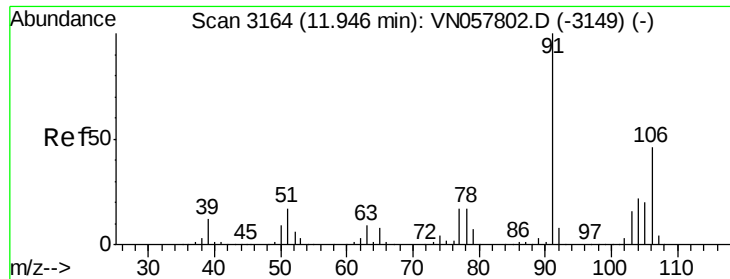
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#68
m/p-Xylenes
Concen: 39.044 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion: 106 Resp: 308104
Ion Ratio Lower Upper
106 100
91 210.6 165.8 248.6





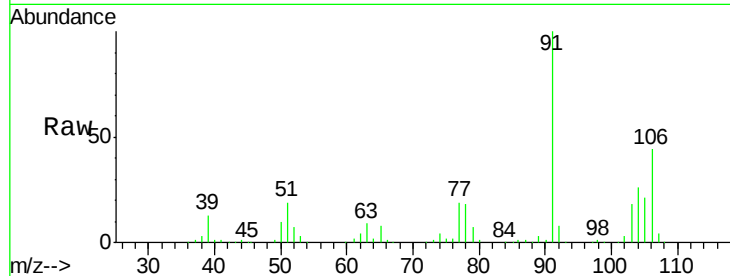
#69
o-Xylene
Concen: 19.641 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

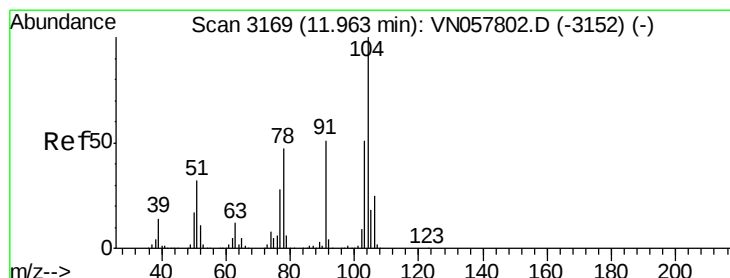
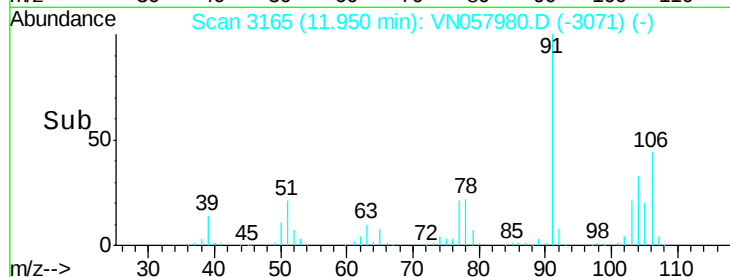
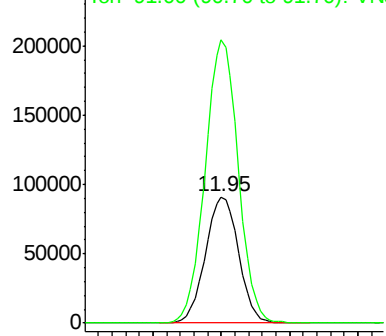
Tot Ion:106 Resp: 154087
Ion Ratio Lower Upper
106 100
91 222.5 108.7 326.1

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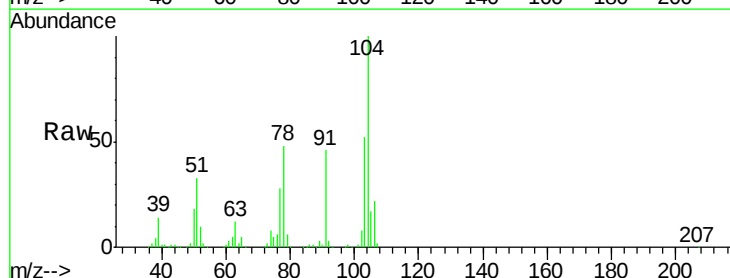


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

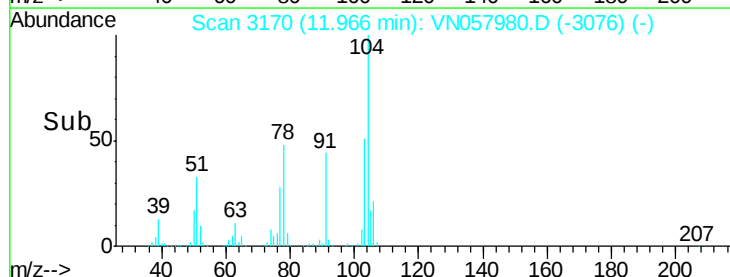
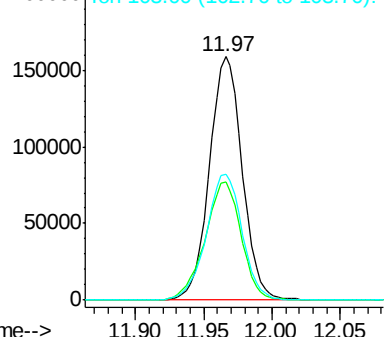


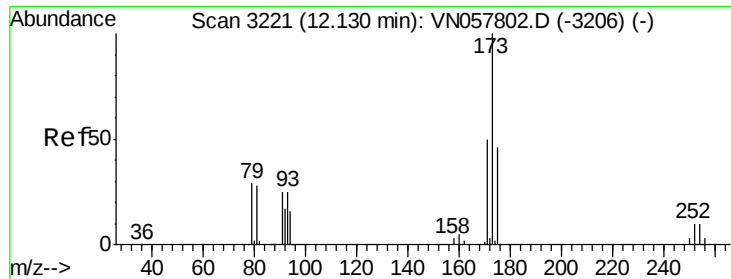
#70
Styrene
Concen: 19.661 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion:104 Resp: 265444
Ion Ratio Lower Upper
104 100
78 53.5 41.3 61.9
103 56.4 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





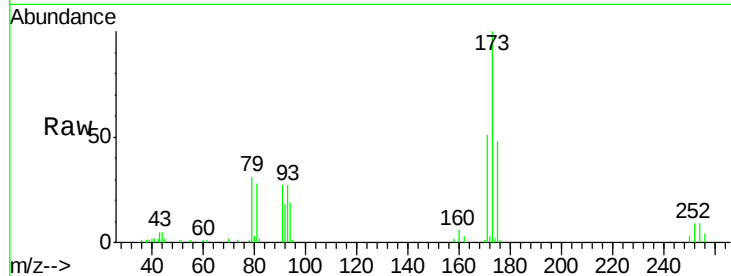
#71
Bromoform
Concen: 18.991 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

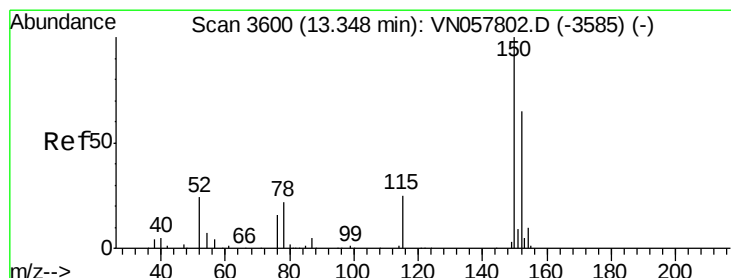
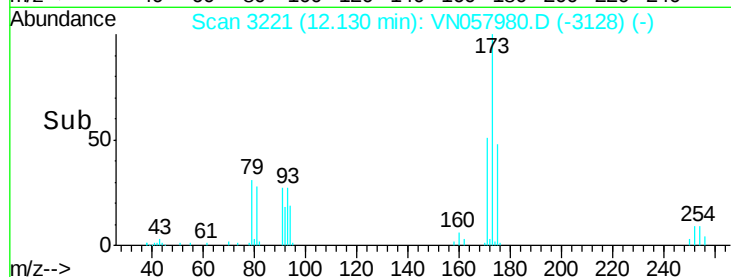
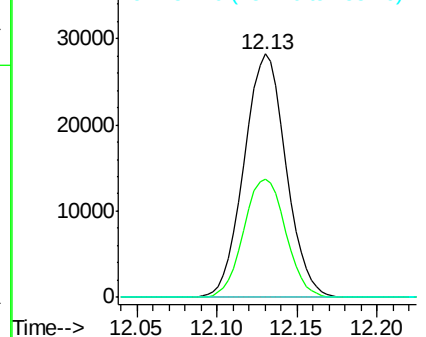
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.5	70.6
254	0.0	0.1	0.1#

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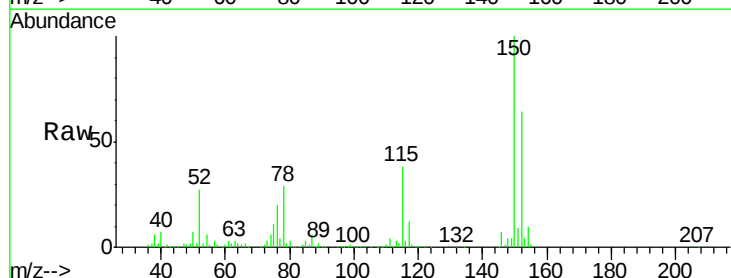


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

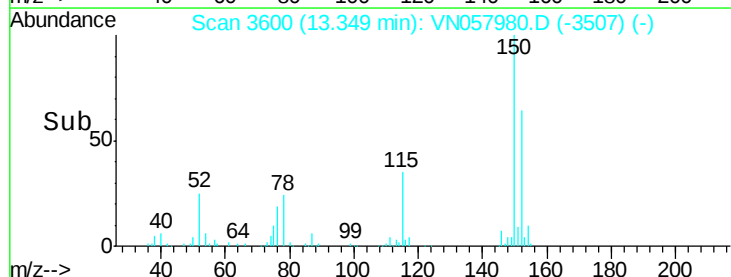
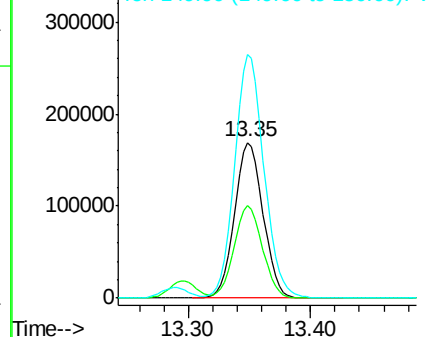


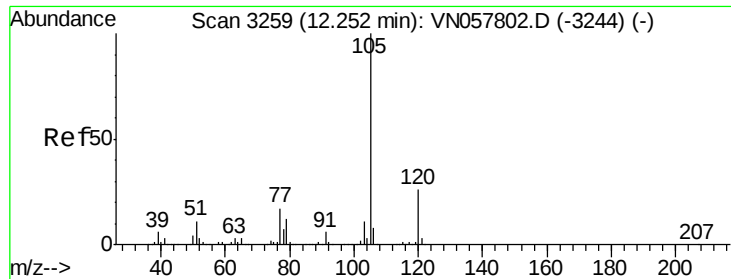
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	30.3	91.0
150	161.4	0.0	352.4



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: 20.199 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

Tot Ion: 105 Resp: 429628

Ion Ratio Lower Upper

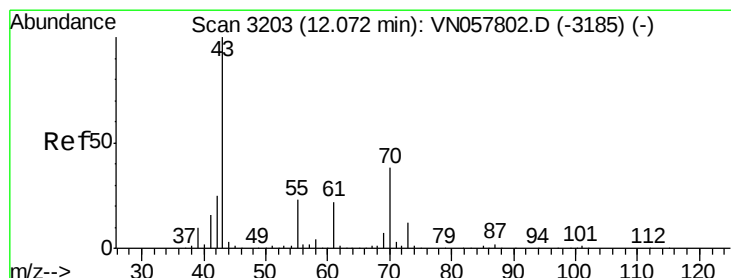
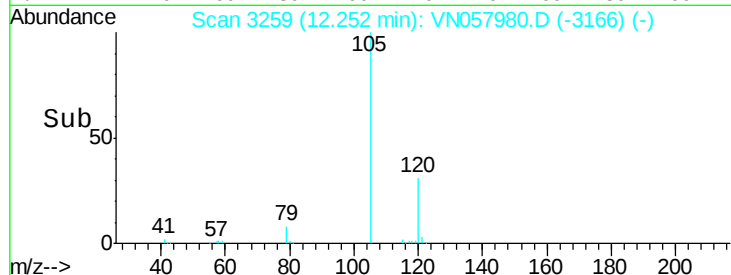
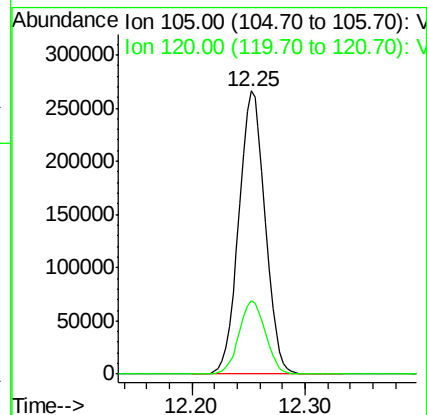
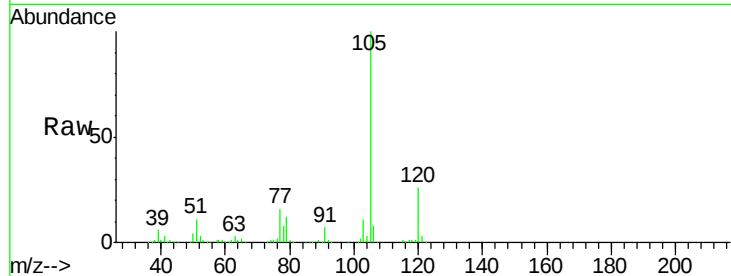
105 100

120 26.0 12.8 38.4

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#74

N-ethyl acetate

Concen: 20.335 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Tgt Ion: 43 Resp: 188237

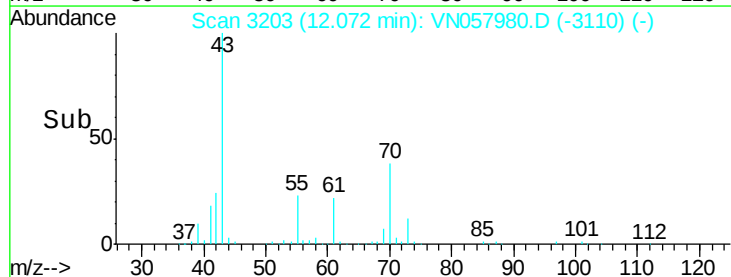
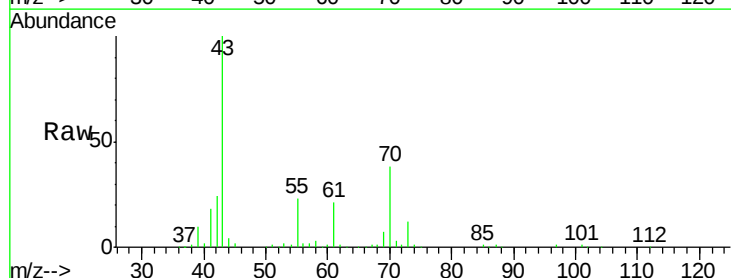
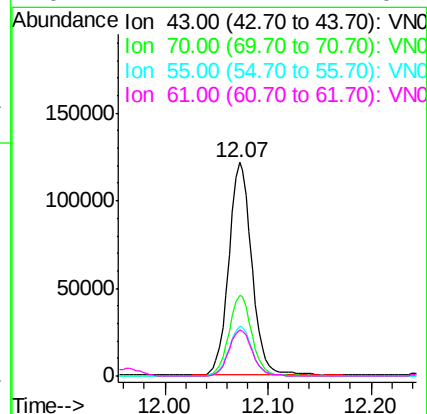
Ion Ratio Lower Upper

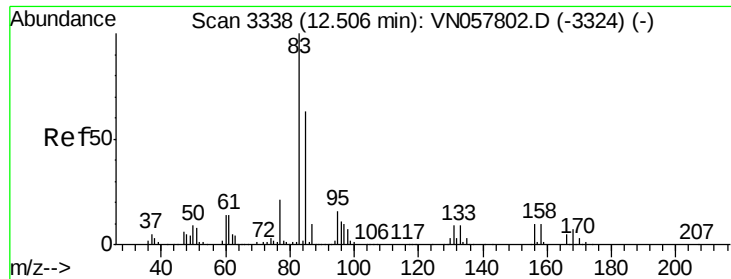
43 100

70 37.7 30.6 45.8

55 23.9 18.6 27.8

61 22.1 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.246 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

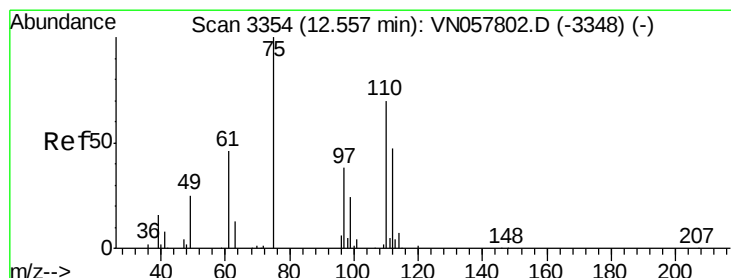
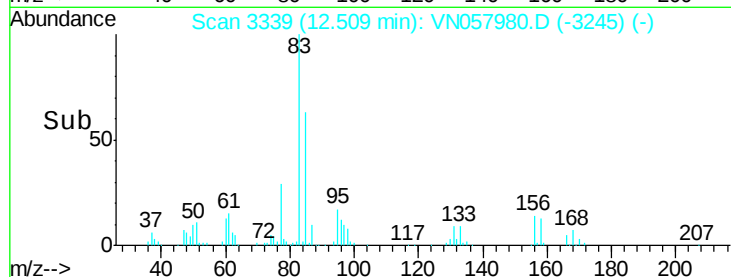
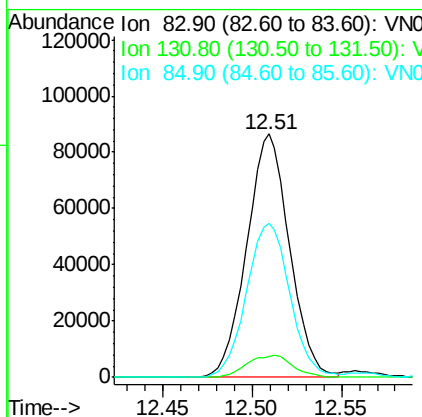
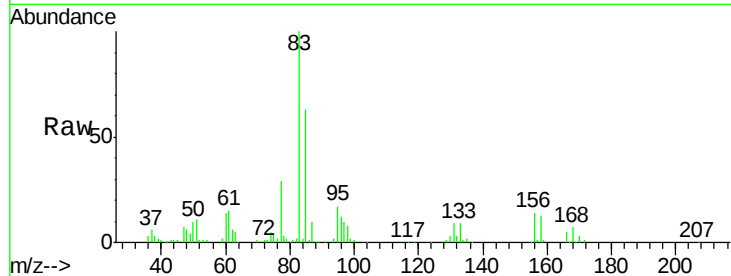
ClientSampleId :

VN0913WBSD02

Tot Ion:	83	Resp:	144995
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.3
85	64.3	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.802 ug/l m

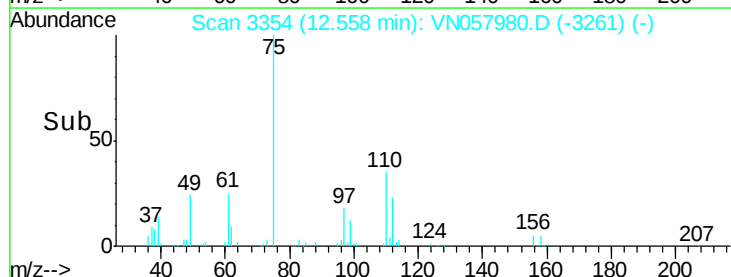
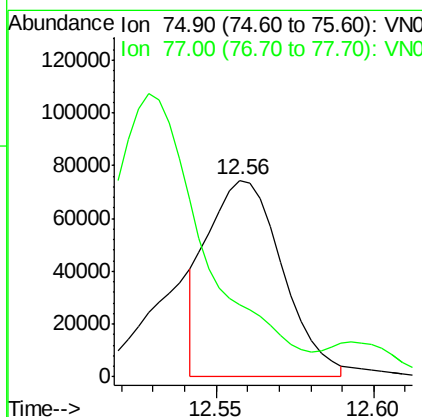
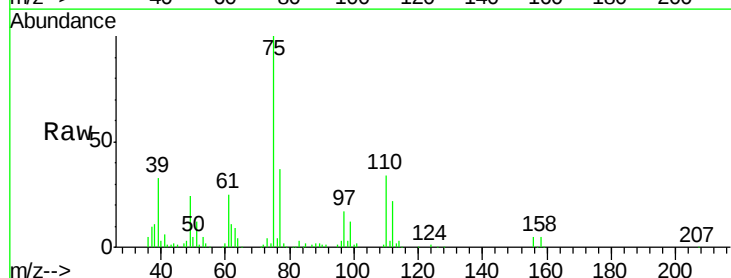
RT: 12.56 min Scan# 3354

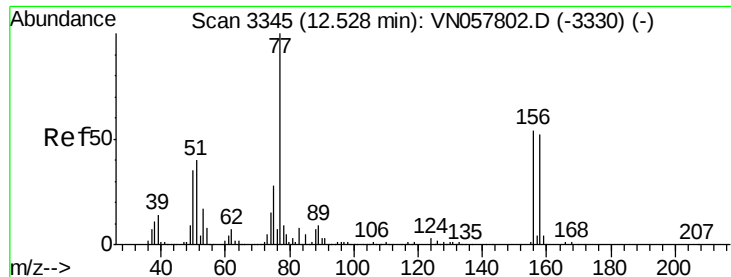
Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Tgt Ion:	75	Resp:	122792
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.268 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

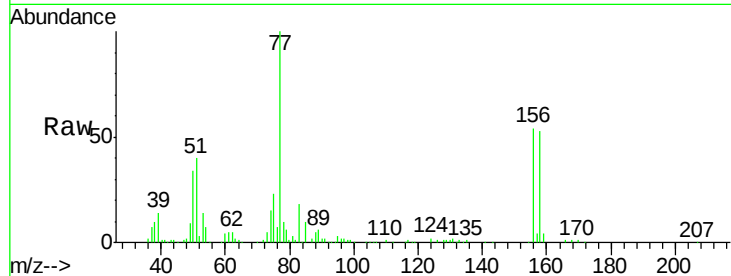
ClientSampleId :

VN0913WBSD02

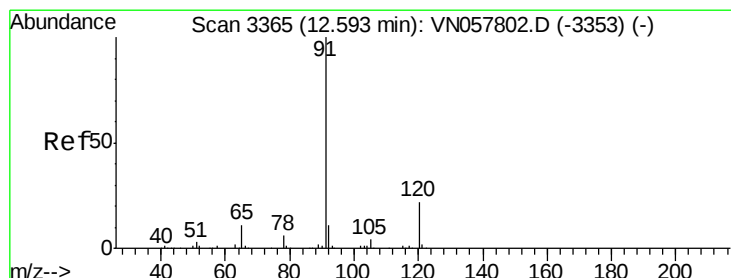
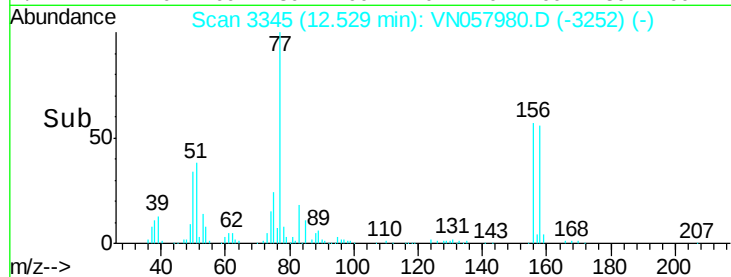
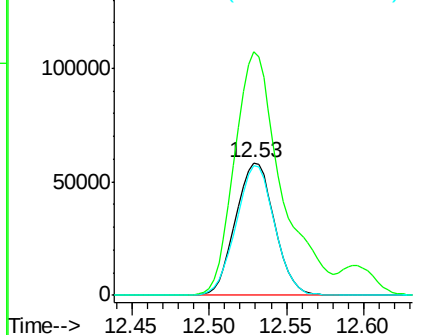
Tot Ion:	156	Resp:	102178
Ion Ratio	Lower	Upper	
156	100		
77	221.5	113.7	341.1
158	96.9	48.5	145.6

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): V
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.247 ug/l

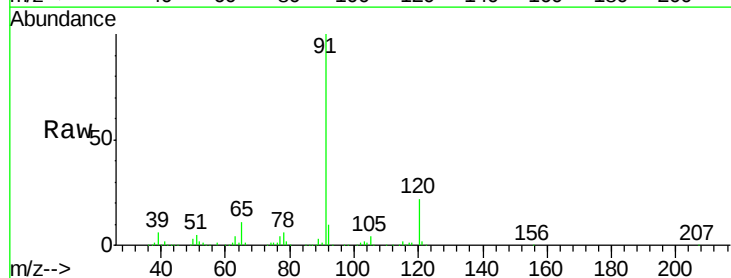
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

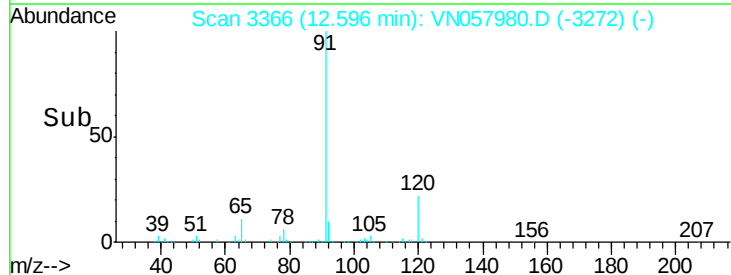
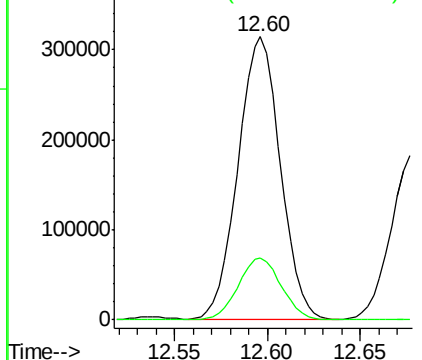
Lab File: VN057980.D

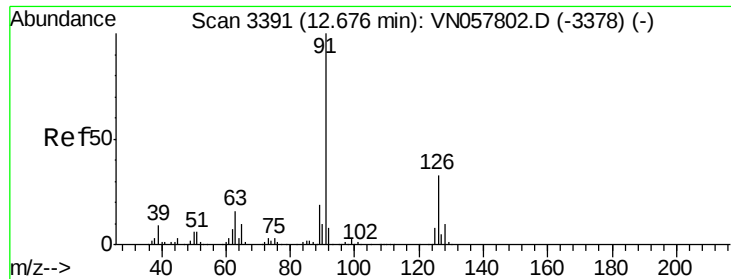
Acq: 12 Sep 2019 19:43

Tgt Ion:	91	Resp:	494518
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.00 (119.70 to 120.70): V





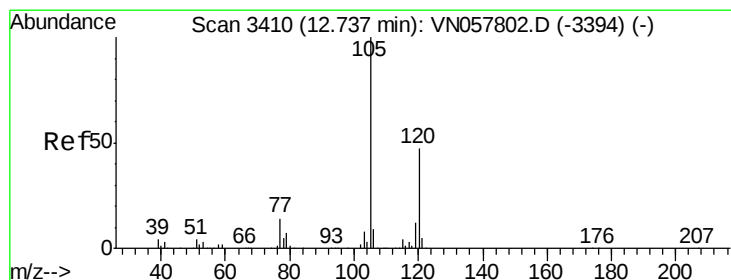
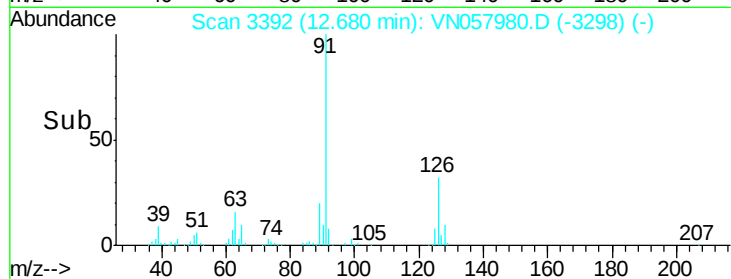
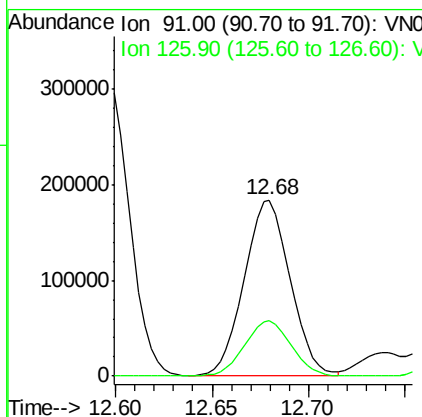
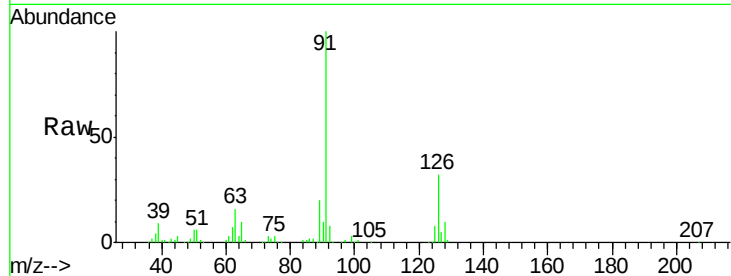
#79
 2-Chlorotoluene
 Concen: 19.587 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.2

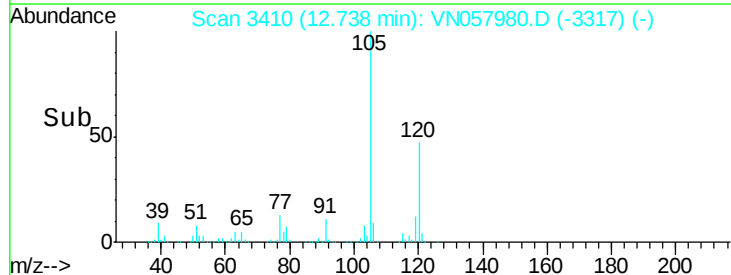
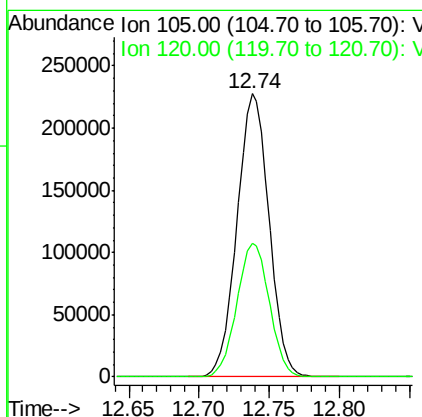
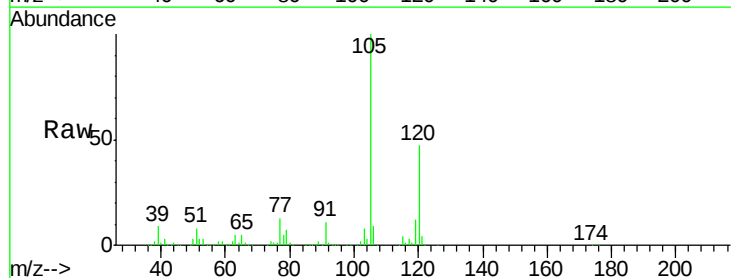
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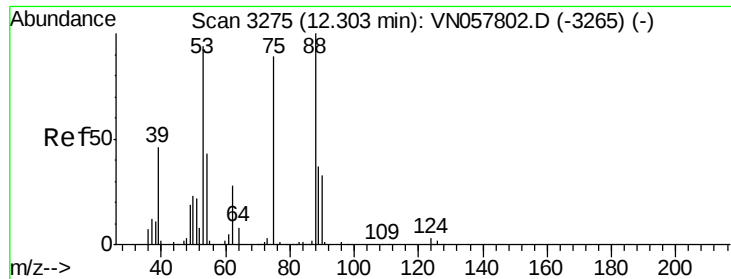
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.196 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.7	71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 16.475 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

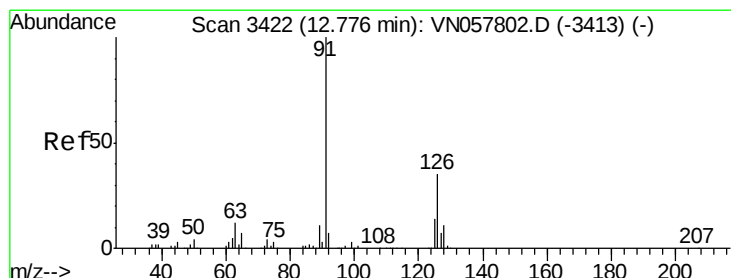
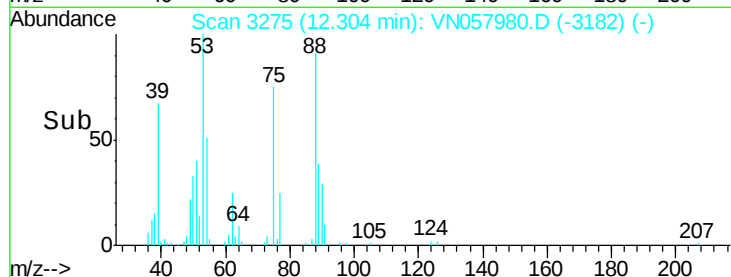
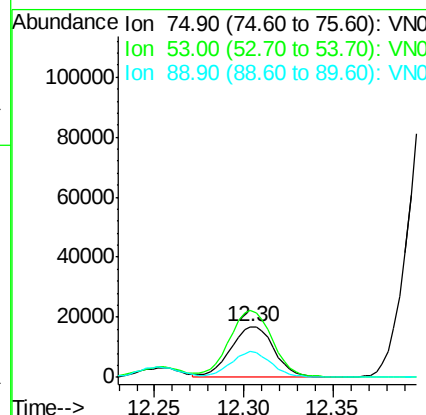
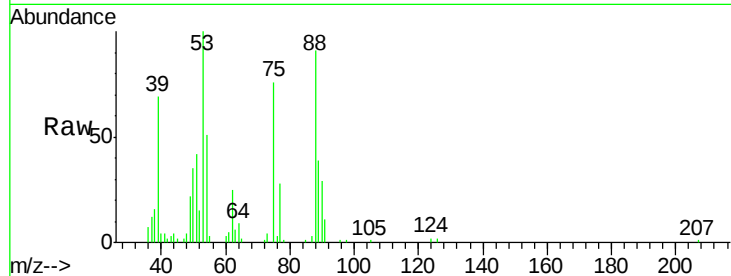
ClientSampleId :

VN0913WBSD02

Tot Ion:	75	Resp:	29031
Ion Ratio	Lower	Upper	
75	100		
53	130.8	88.4	132.6
89	46.2	35.3	52.9

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#82

4-Chlorotoluene

Concen: 19.469 ug/l

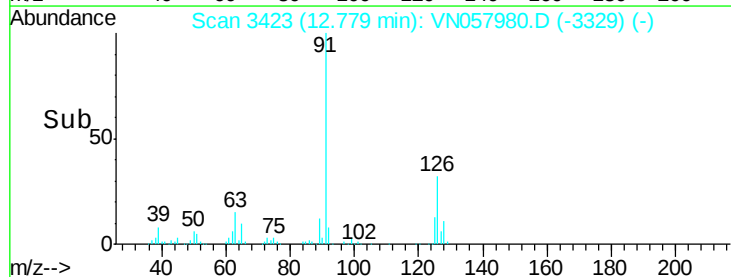
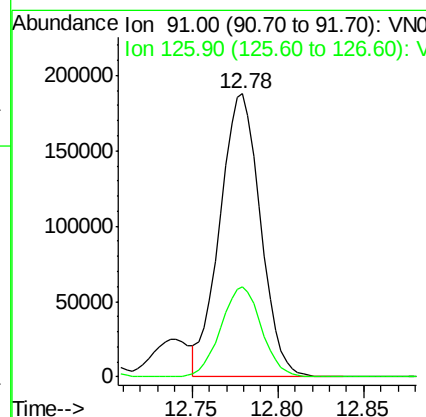
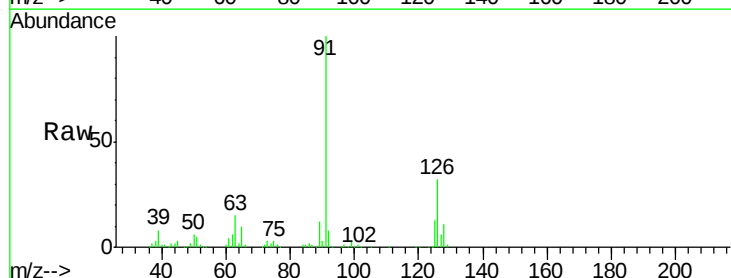
RT: 12.78 min Scan# 3423

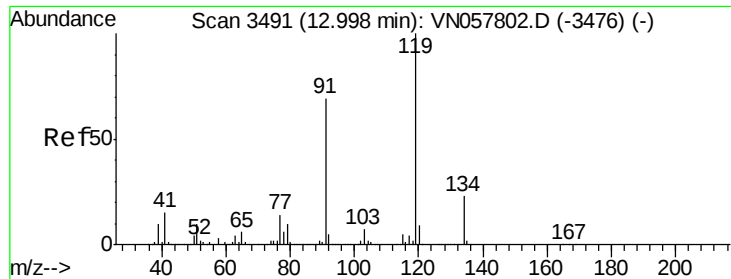
Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Tgt Ion:	91	Resp:	308637
Ion Ratio	Lower	Upper	
91	100		
126	32.0	16.0	48.0





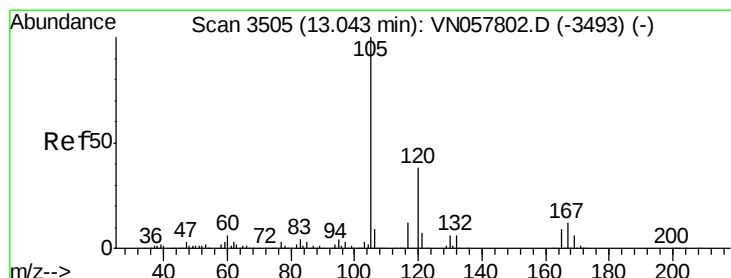
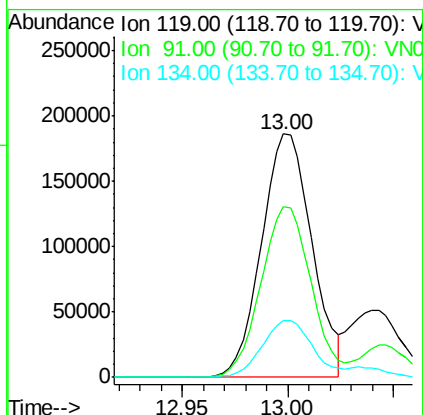
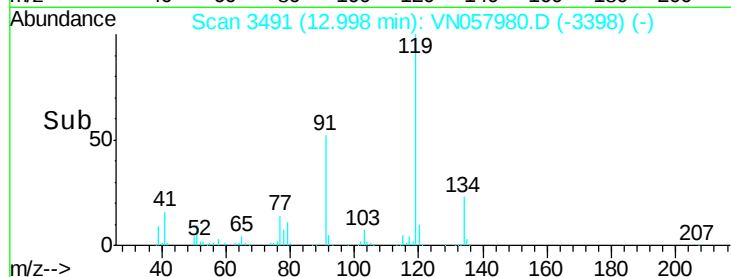
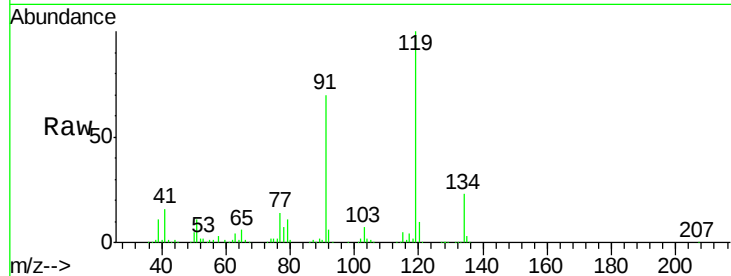
#83
tert-Butylbenzene
Concen: 19.399 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	309904		
91	69.6		33.6	100.8
134	23.5		11.7	35.0

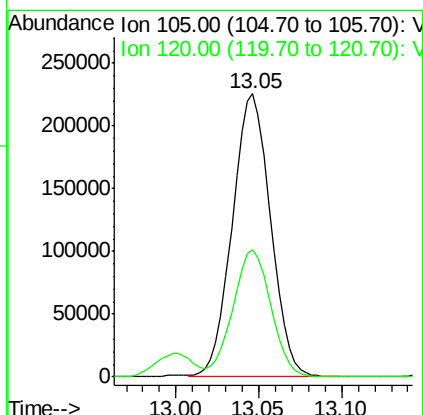
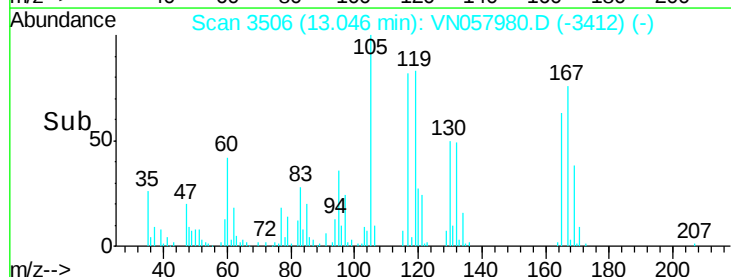
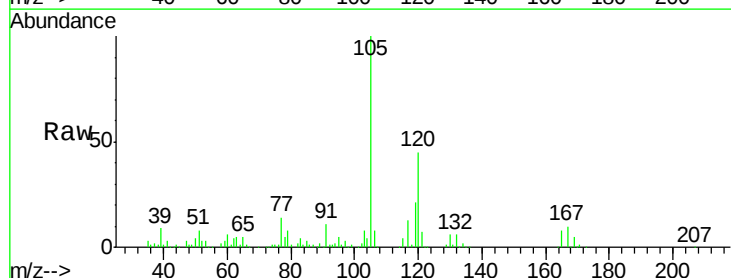
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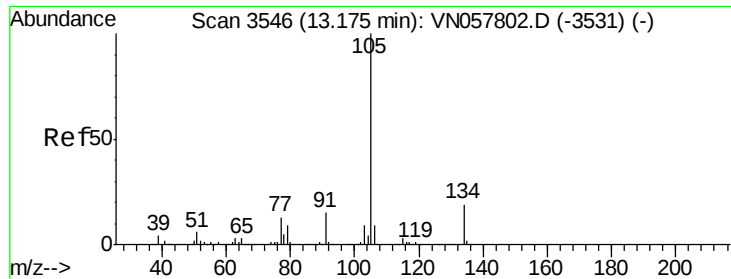
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#84
1,2,4-Trimethylbenzene
Concen: 19.736 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	360503		
120	45.1		22.4	67.2





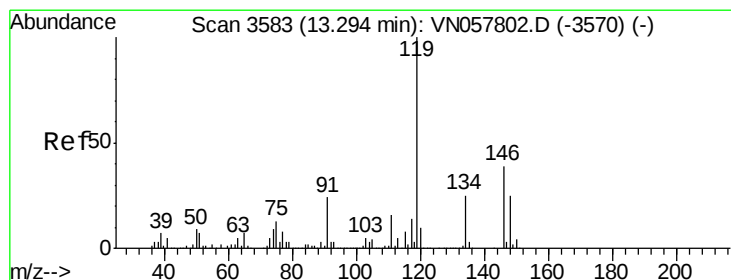
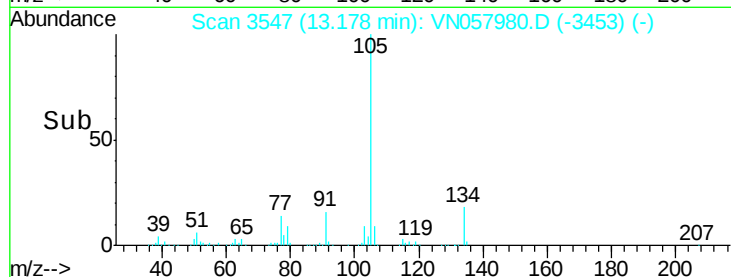
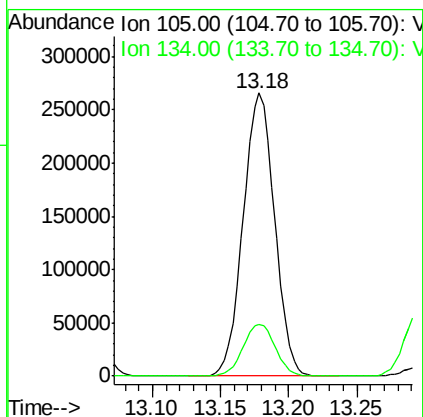
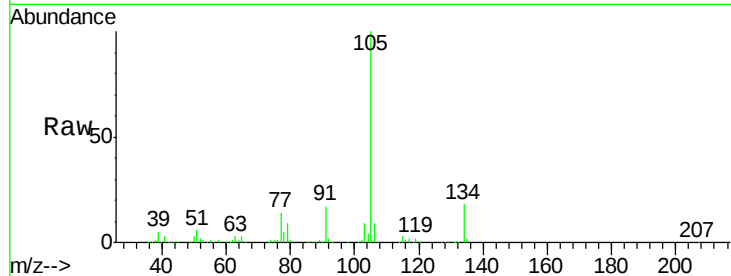
#85
 sec-Butylbenzene
 Concen: 20.049 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.6	28.6

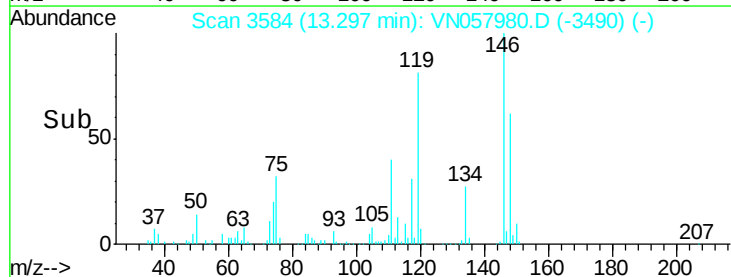
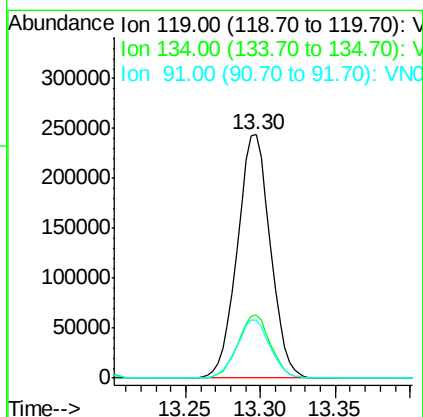
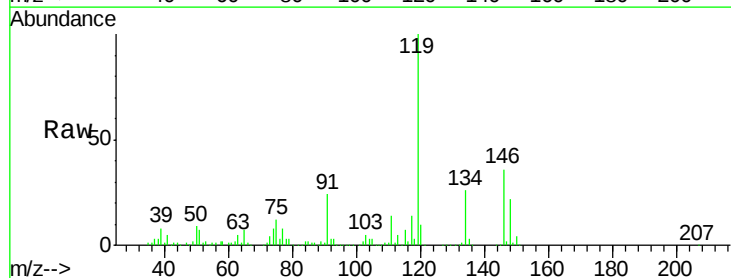
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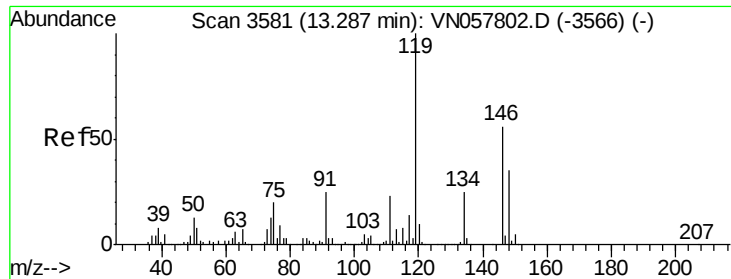
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#86
 p-Isopropyltoluene
 Concen: 20.033 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.5	37.5
91	24.3	12.3	36.8





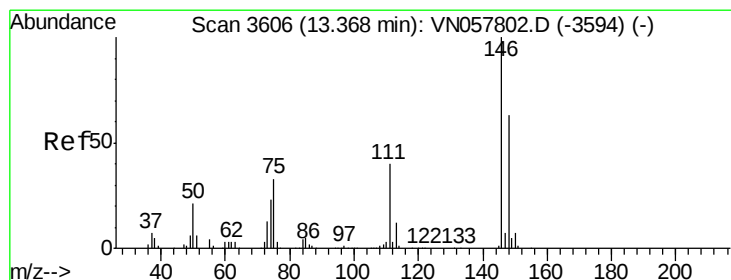
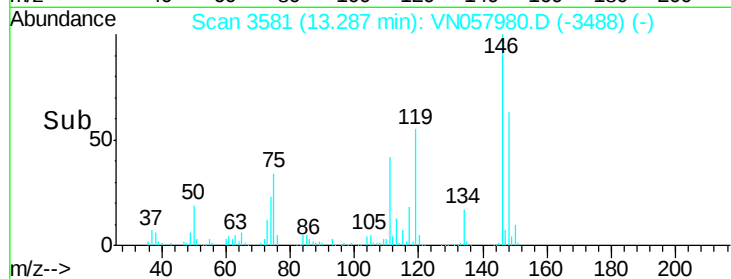
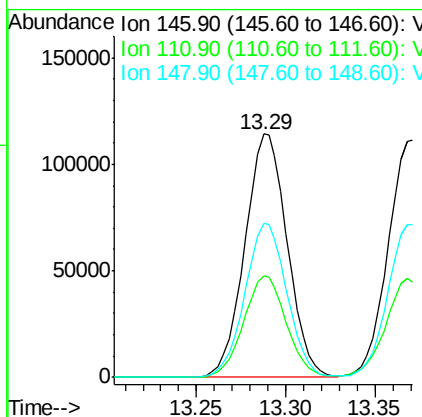
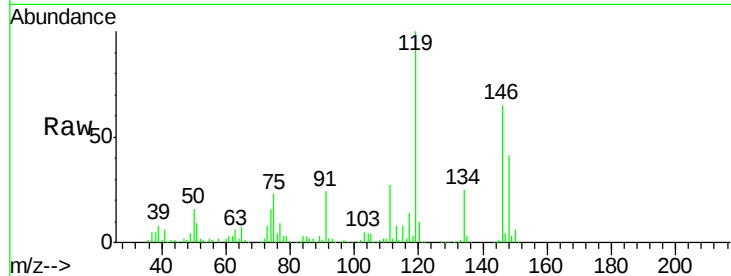
#87
 1,3-Dichlorobenzene
 Concen: 19.507 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	189883		
111	41.7	20.5	61.6	
148	62.7	31.5	94.5	

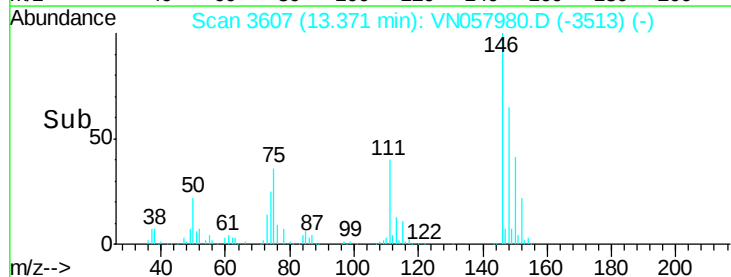
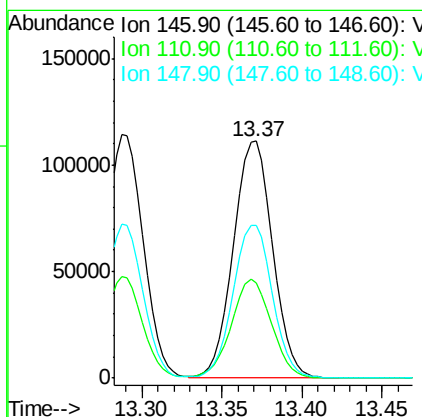
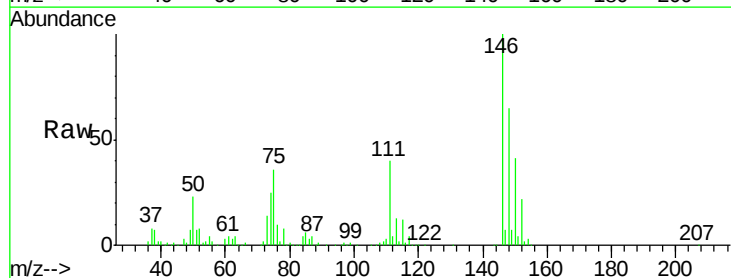
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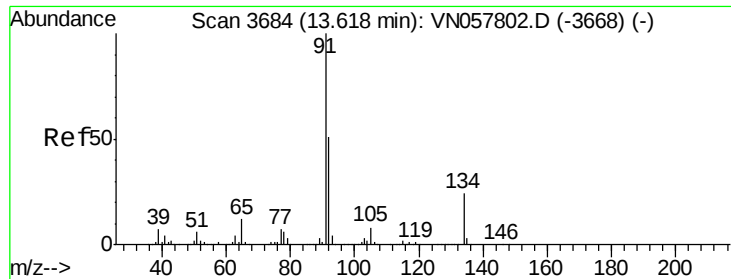
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#88
 1,4-Dichlorobenzene
 Concen: 18.757 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	185328		
111	43.0	20.4	61.2	
148	65.0	31.8	95.4	





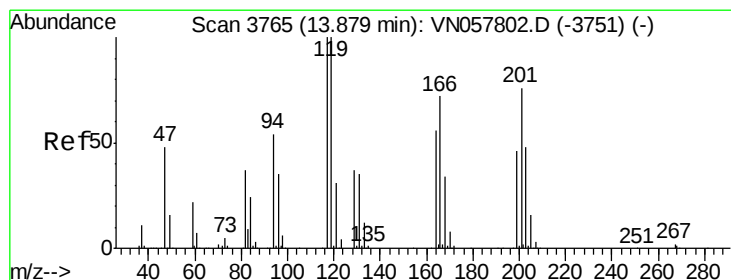
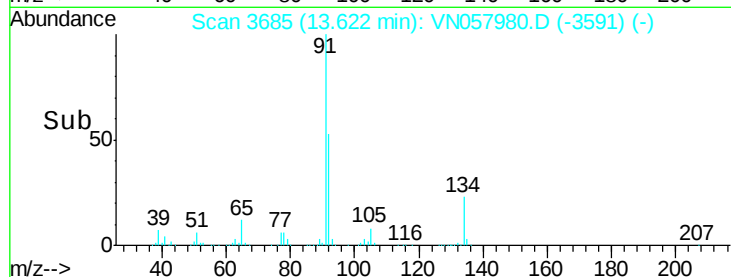
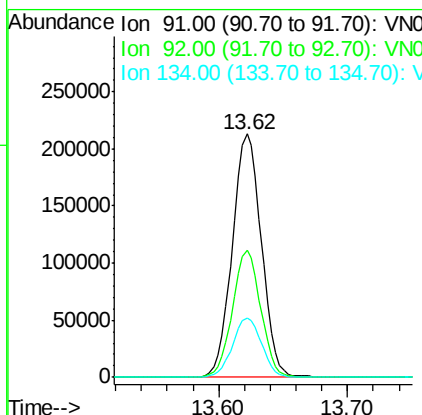
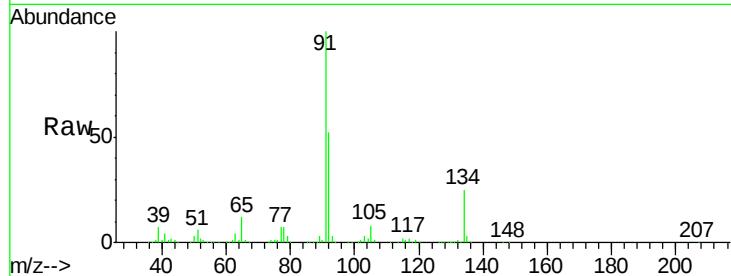
#89
n-Butylbenzene
Concen: 18.968 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	25.7	77.0
134	24.3	11.9	35.7

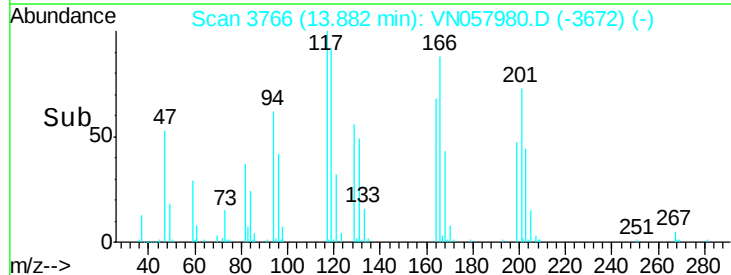
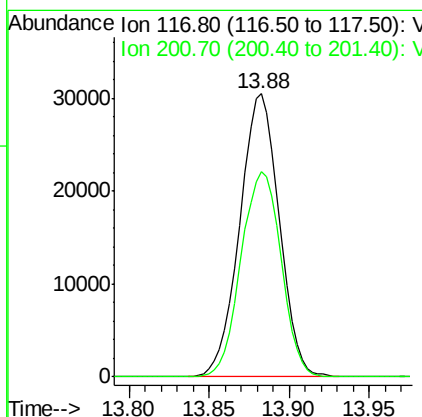
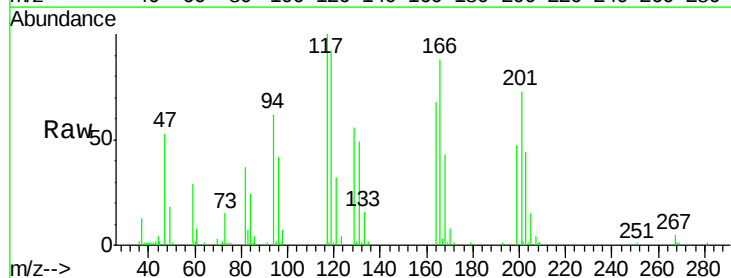
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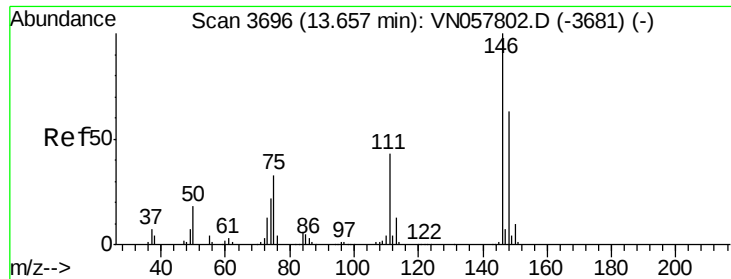
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#90
Hexachloroethane
Concen: 18.555 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN057980.D
Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.6	37.5	112.7





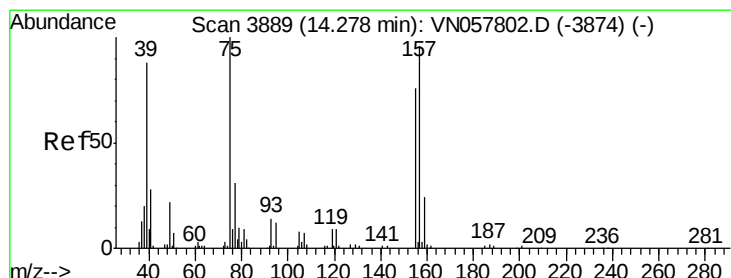
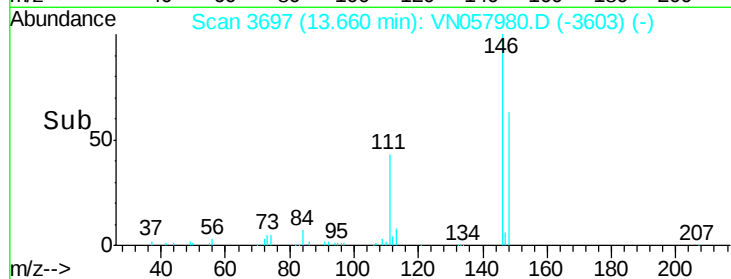
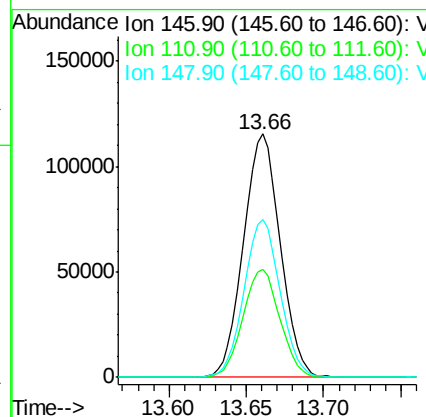
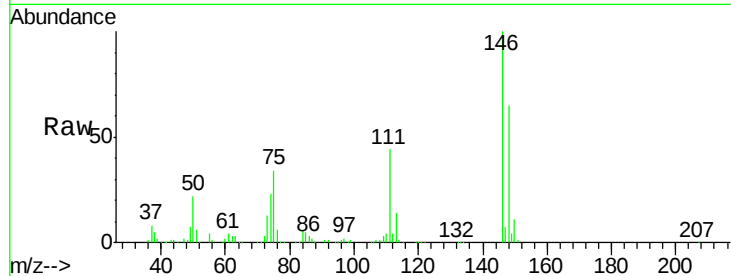
#91
 1,2-Dichlorobenzene
 Concen: 19.682 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	191398		
111	44.4	21.3	63.9	
148	63.7	31.4	94.3	

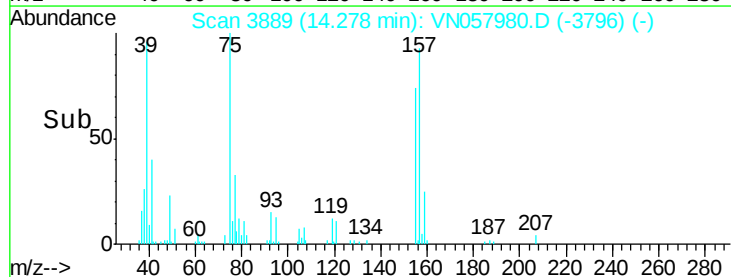
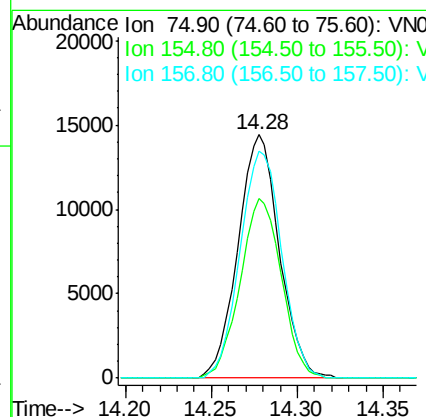
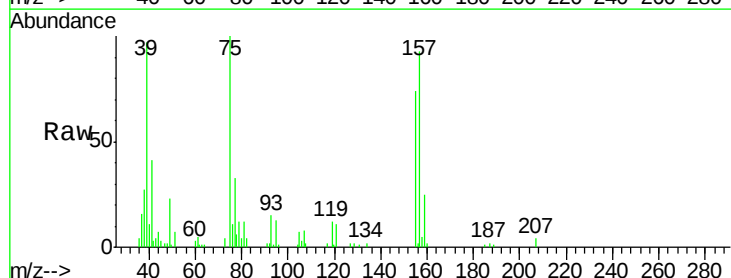
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.451 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24187		
155	73.2	37.3	111.8	
157	93.7	47.9	143.8	





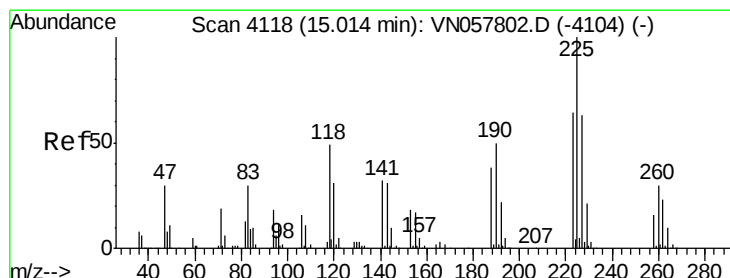
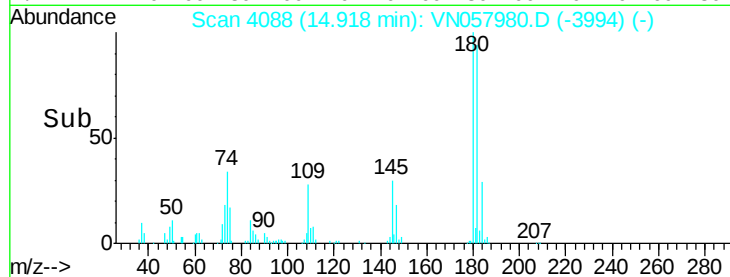
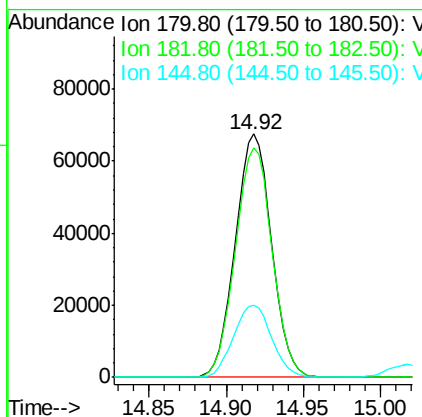
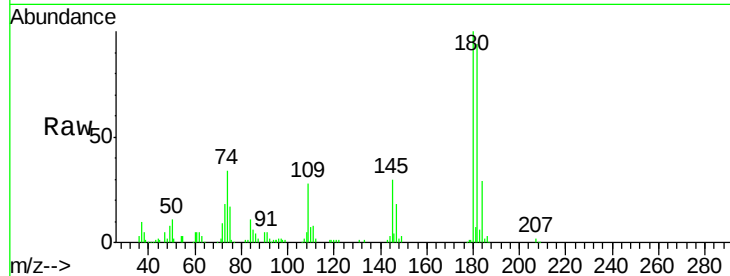
#93
 1,2,4-Trichlorobenzene
 Concen: 17.354 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110305		
182	95.6	46.9	140.8	
145	31.0	14.9	44.7	

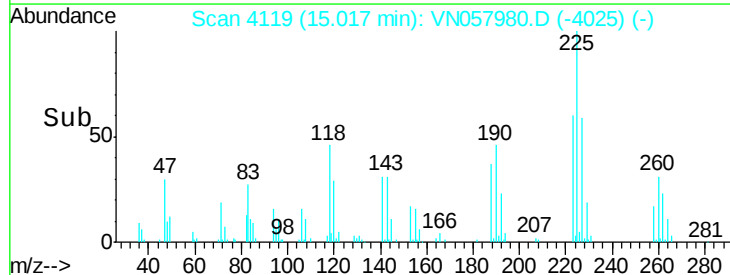
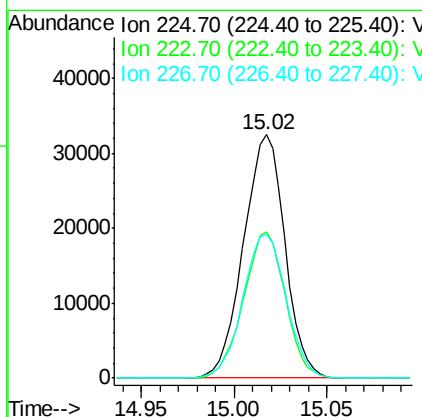
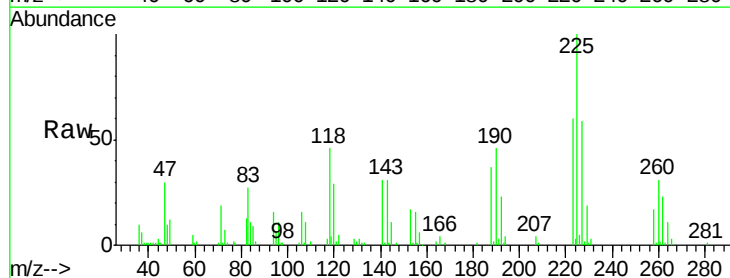
Manual Integrations
 APPROVED

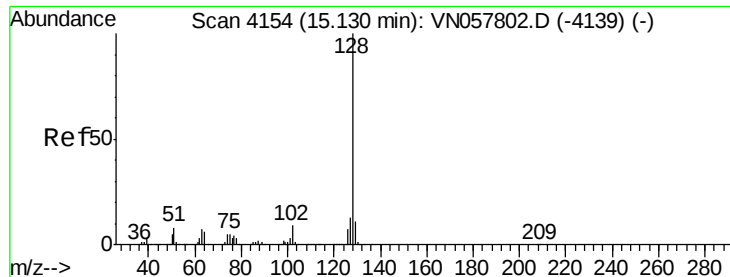
MMDadoda
 9/13/2019 1:04:56 PM



#94
 Hexachlorobutadiene
 Concen: 18.789 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN057980.D
 Acq: 12 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50625		
223	60.4	32.4	97.2	
227	62.0	31.8	95.4	





#95

Naphthalene

Concen: 18.965 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_N

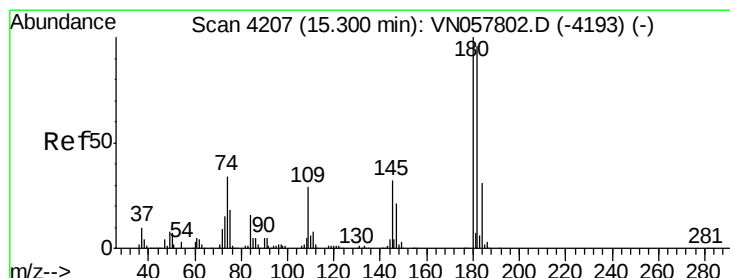
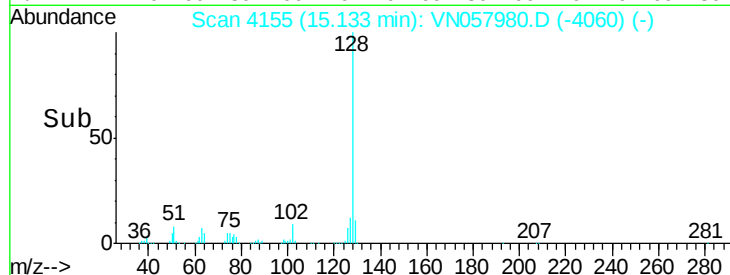
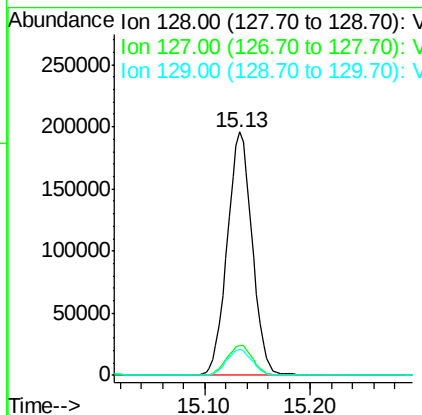
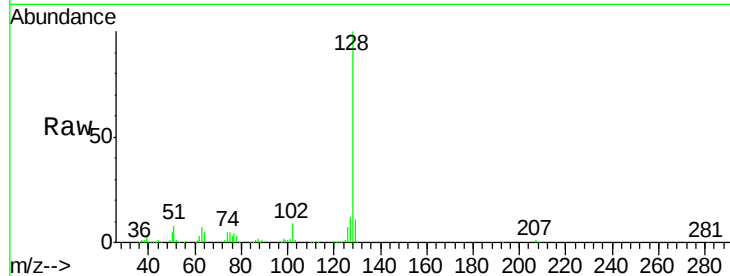
ClientSampleId :

VN0913WBSD02

Tot Ion:	128	Resp:	319973
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/13/2019 1:04:56 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.530 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN057980.D

Acq: 12 Sep 2019 19:43

Tgt Ion:	180	Resp:	104930
Ion Ratio	Lower	Upper	
180	100		
182	96.5	48.3	144.8
145	31.5	16.3	48.8

