

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100219\
 Data File : VN058480.D
 Acq On : 2 Oct 2019 17:23
 Operator : JC/SP
 Sample : VN1002WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 1:35:48 PM

Quant Time: Oct 03 05:35:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	333391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	584849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	520571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	233225	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	268268	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	
35) Dibromofluoromethane	7.58	113	187371	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	10.09	98	717692	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.41	95	252053	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	78377	21.440	ug/l	98
3) Chloromethane	2.03	50	87960	21.886	ug/l	97
4) Vinyl Chloride	2.17	62	88421	22.459	ug/l	98
5) Bromomethane	2.55	94	47896	22.904	ug/l	93
6) Chloroethane	2.69	64	53326	22.606	ug/l	94
7) Trichlorofluoromethane	3.00	101	104465	21.988	ug/l	98
8) Diethyl Ether	3.39	74	44455	21.687	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70146	21.740	ug/l	98
10) Methyl Iodide	3.93	142	71789	20.066	ug/l	98
11) Tert butyl alcohol	4.77	59	71598	132.286	ug/l	100
12) 1,1-Dichloroethene	3.72	96	66395	21.111	ug/l	97
13) Acrolein	3.59	56	26993	156.803	ug/l	99
14) Allyl chloride	4.30	41	122583	21.418	ug/l	99
15) Acrylonitrile	4.97	53	200957	127.397	ug/l	99
16) Acetone	3.80	43	188479	113.486	ug/l	99
17) Carbon Disulfide	4.03	76	168589	20.335	ug/l	97
18) Methyl Acetate	4.31	43	96450	23.090	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	243827	21.973	ug/l	99
20) Methylene Chloride	4.53	84	81762	21.333	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	72261	20.662	ug/l	97
22) Diisopropyl ether	5.93	45	271968	22.082	ug/l	92
23) Vinyl Acetate	5.88	43	1115039	120.067	ug/l	99
24) 1,1-Dichloroethane	5.82	63	155586	22.446	ug/l	99
25) 2-Butanone	6.82	43	282441	123.865	ug/l	99
26) 2,2-Dichloropropane	6.81	77	116705	20.480	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	87334	21.366	ug/l	100
28) Bromochloromethane	7.18	49	65988	23.816	ug/l	95
29) Tetrahydrofuran	7.19	42	180772	124.908	ug/l	99
30) Chloroform	7.36	83	154644	22.016	ug/l	99
31) Cyclohexane	7.64	56	140501	20.838	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	127646	22.130	ug/l	98
36) 1,1-Dichloropropene	7.78	75	113232	20.248	ug/l	99
37) Ethyl Acetate	6.91	43	114456	24.140	ug/l	98
38) Carbon Tetrachloride	7.76	117	107416	21.280	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	132682	20.317	ug/l	96
40) Benzene	8.03	78	340493	21.182	ug/l	97
41) Methacrylonitrile	7.16	41	45281m	20.759	ug/l	
42) 1,2-Dichloroethane	8.11	62	132057	21.116	ug/l	100
43) Isopropyl Acetate	8.15	43	186278	20.893	ug/l	100
44) Trichloroethene	8.82	130	81114	20.436	ug/l	96
45) 1,2-Dichloropropane	9.11	63	92230	21.393	ug/l	99
46) Dibromomethane	9.20	93	58018	21.250	ug/l	98
47) Bromodichloromethane	9.40	83	116782	22.576	ug/l	98
48) Methyl methacrylate	9.19	41	90593	22.315	ug/l	99
49) 1,4-Dioxane	9.19	88	34426	634.170	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	582704	127.234	ug/l	99
52) Toluene	10.15	92	205858	20.346	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	117417	20.854	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	133219	21.315	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	83261	22.600	ug/l	98
56) Ethyl methacrylate	10.43	69	121908	21.807	ug/l	98
57) 1,3-Dichloropropane	10.71	76	144724	22.023	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	238828	107.140	ug/l	99
59) 2-Hexanone	10.75	43	421739	126.467	ug/l	99
60) Dibromochloromethane	10.90	129	78026	20.122	ug/l	98
61) 1,2-Dibromoethane	11.01	107	80202	21.305	ug/l	98
64) Tetrachloroethene	10.63	164	66993	20.256	ug/l	96
65) Chlorobenzene	11.44	112	212213	20.508	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	76261	21.874	ug/l	99
67) Ethyl Benzene	11.51	91	395034	21.077	ug/l	99
68) m/p-Xylenes	11.63	106	285194	40.443	ug/l	97
69) o-Xylene	11.95	106	139302	20.521	ug/l	97
70) Styrene	11.97	104	229255	20.788	ug/l	98
71) Bromoform	12.13	173	47956	20.322	ug/l #	99
73) Isopropylbenzene	12.26	105	377761	21.917	ug/l	98
74) N-amyl acetate	12.08	43	157975	23.039	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	124110	24.351	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	107466m	25.228	ug/l	
77) Bromobenzene	12.53	156	86409	21.381	ug/l	97
78) n-propylbenzene	12.60	91	442317	22.779	ug/l	99
79) 2-Chlorotoluene	12.68	91	262037	21.863	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	316570	21.941	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	29606	21.108	ug/l	89
82) 4-Chlorotoluene	12.78	91	264416	21.620	ug/l	99
83) tert-Butylbenzene	13.00	119	267014	21.932	ug/l	95
84) 1,2,4-Trimethylbenzene	13.05	105	317333	21.952	ug/l	99
85) sec-Butylbenzene	13.18	105	366675	22.882	ug/l	100
86) p-Isopropyltoluene	13.30	119	321551	22.796	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	153041	20.884	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	150580	20.653	ug/l	97
89) n-Butylbenzene	13.62	91	284981	22.304	ug/l	98
90) Hexachloroethane	13.88	117	51523	24.311	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	153866	21.852	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	21625	24.061	ug/l	96

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QLast Update : Mon Sep 30 08:07:38 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	79932	20.543	ug/l	98
94) Hexachlorobutadiene	15.02	225	44380	22.191	ug/l	99
95) Naphthalene	15.14	128	226418	19.853	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	80628	20.654	ug/l	99

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

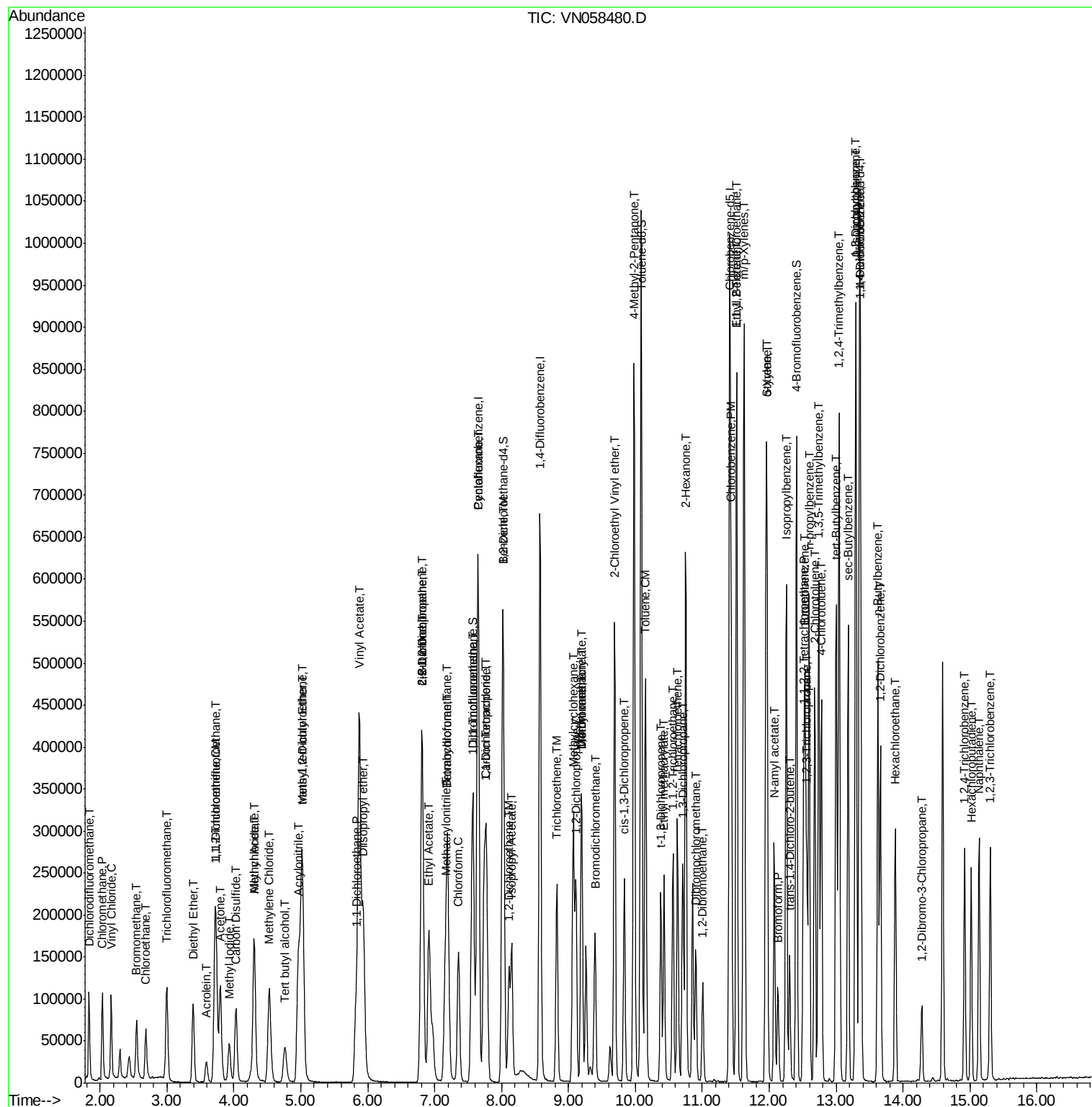
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Data File : VN058480.D
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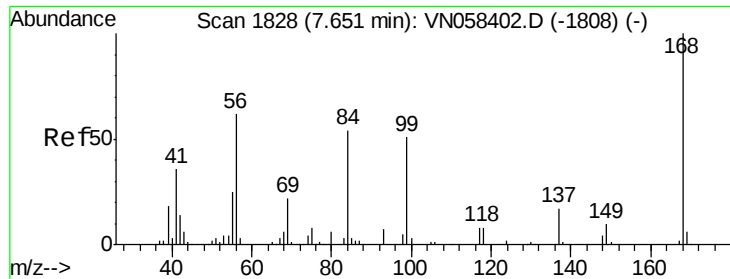
Instrument :
MSVOA_N
ClientSampleId :
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Manual Integrations
APPROVED

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD01

Tot Ion:168 Resp: 333391

Ion Ratio Lower Upper

168 100

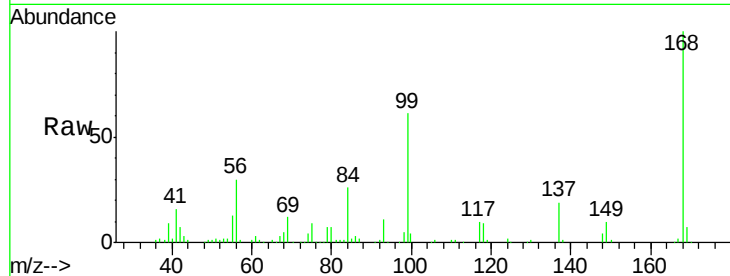
99 60.6 47.7 71.5

Manual Integrations

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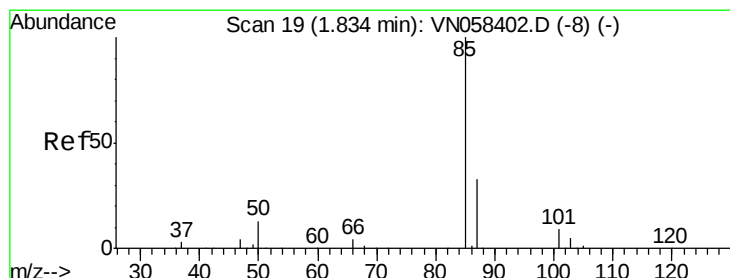
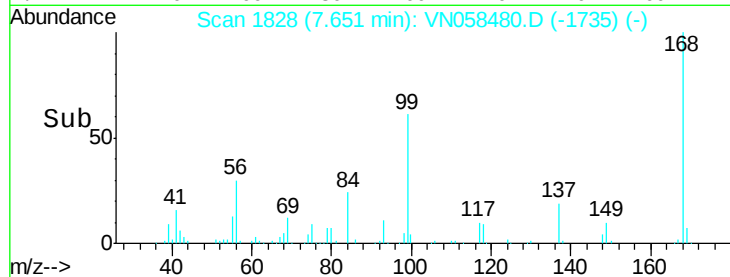
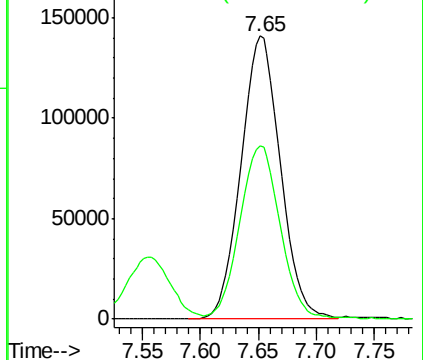
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 21.440 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058480.D

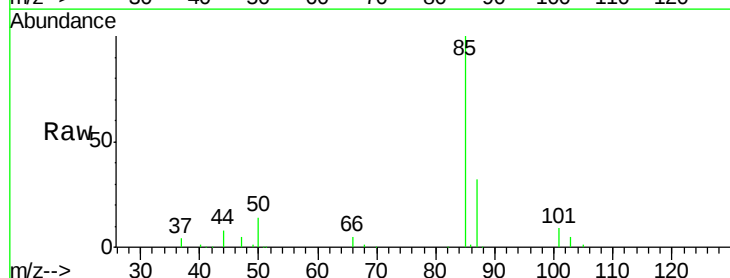
Acq: 2 Oct 2019 17:23

Tgt Ion: 85 Resp: 78377

Ion Ratio Lower Upper

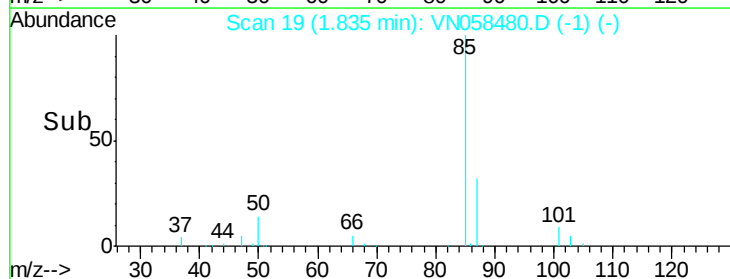
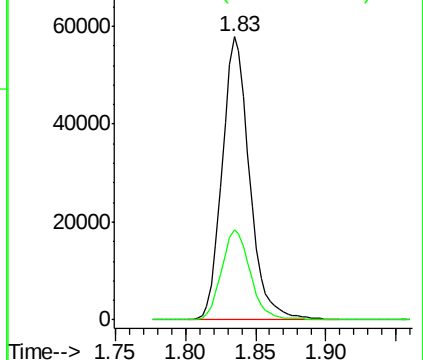
85 100

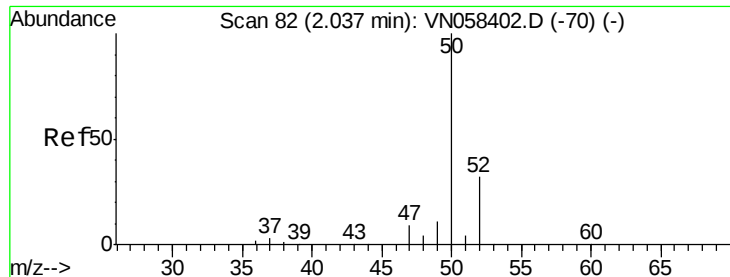
87 31.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 21.886 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

VN1002WBSD01

Tot Ion: 50 Resp: 87960

Ion Ratio Lower Upper

50 100

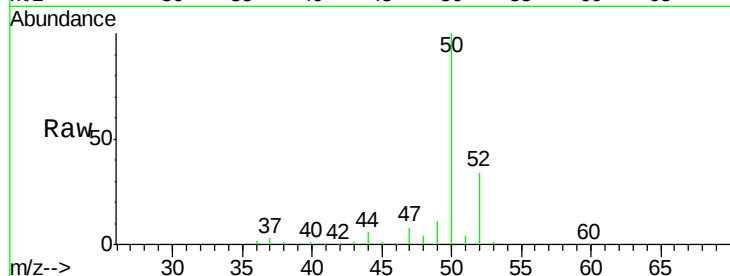
52 33.9 25.9 38.9

Manual Integrations

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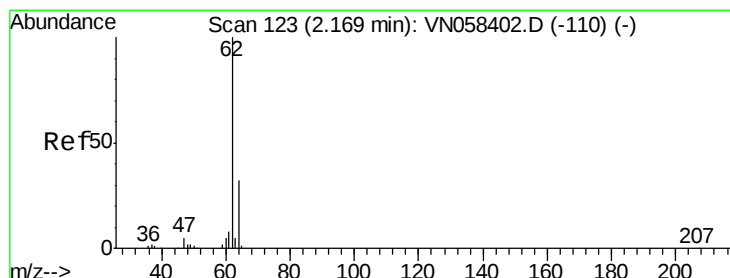
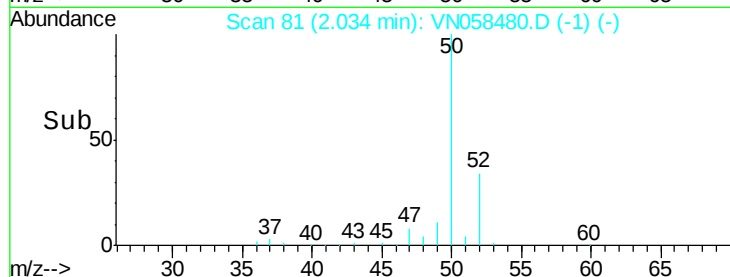
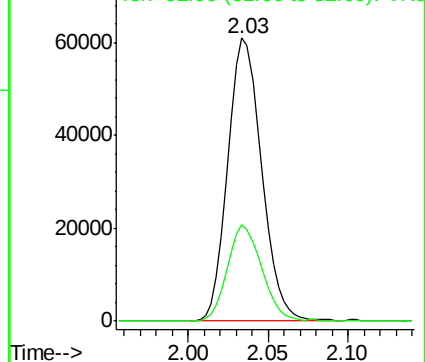
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 22.459 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058480.D

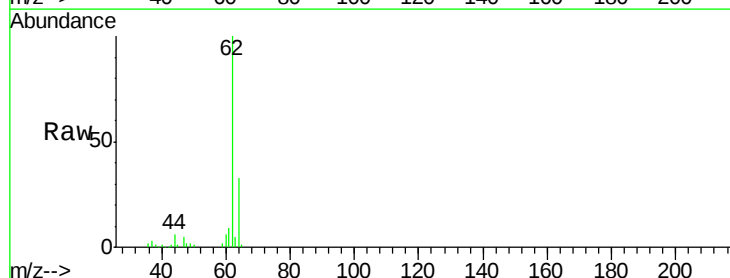
Acq: 2 Oct 2019 17:23

Tgt Ion: 62 Resp: 88421

Ion Ratio Lower Upper

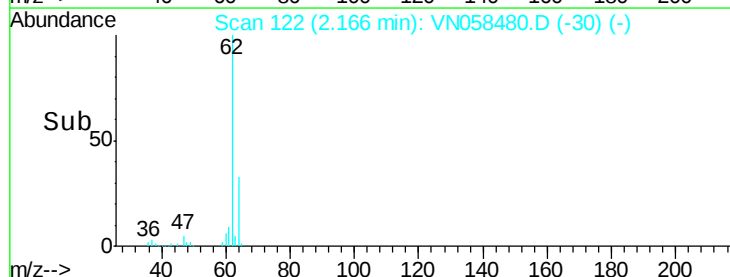
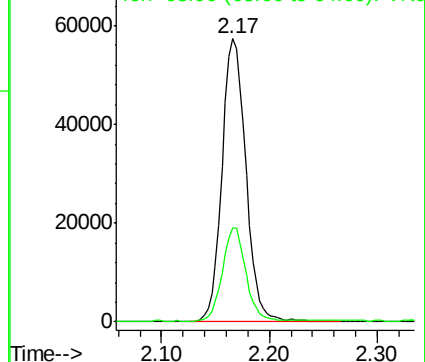
62 100

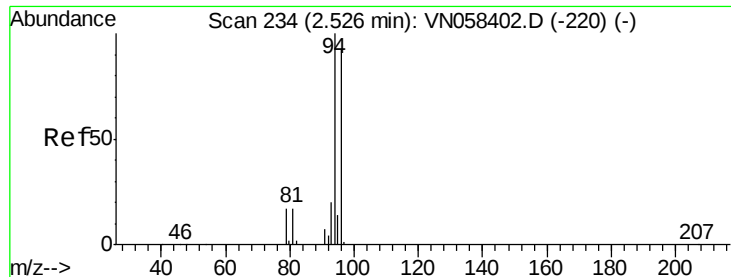
64 33.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 22.904 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

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Tot Ion: 94 Resp: 47896

Ion Ratio Lower Upper

94 100

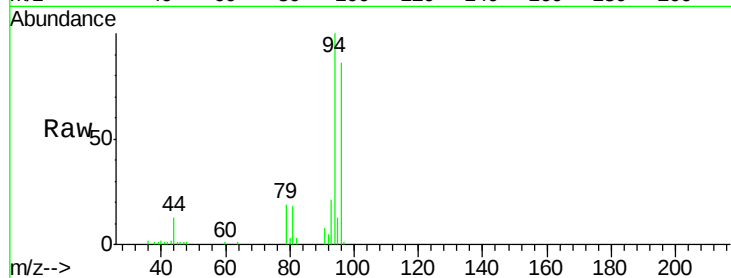
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Manual Integrations

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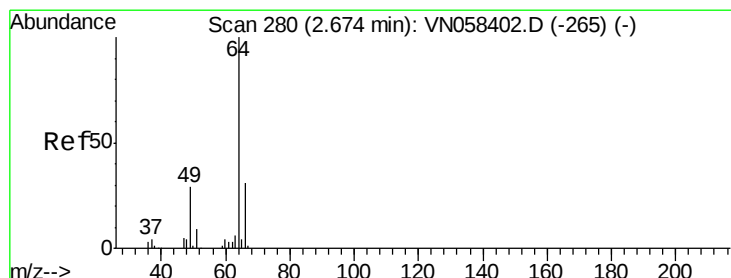
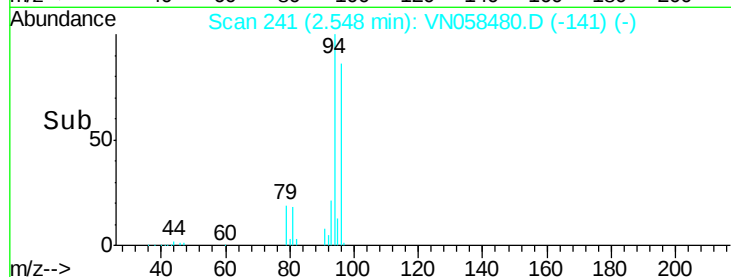
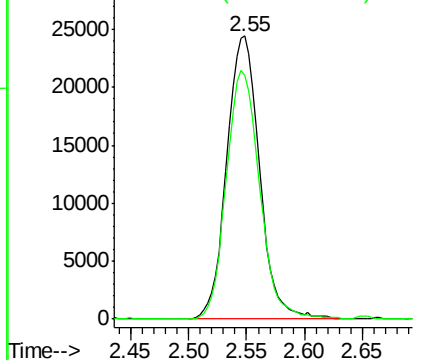
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 22.606 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058480.D

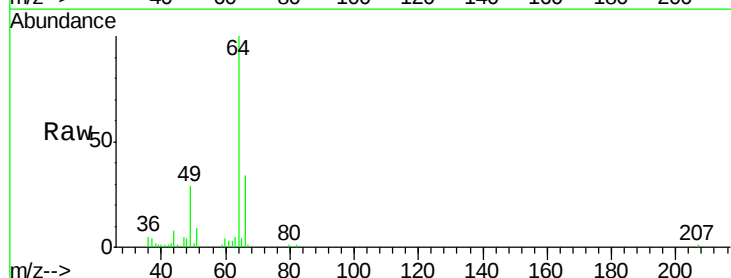
Acq: 2 Oct 2019 17:23

Tgt Ion: 64 Resp: 53326

Ion Ratio Lower Upper

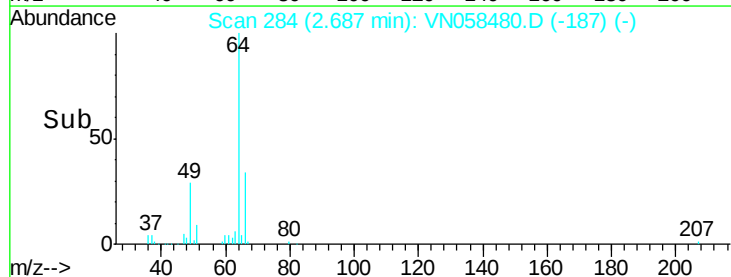
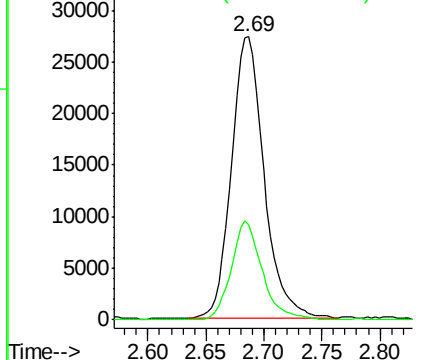
64 100

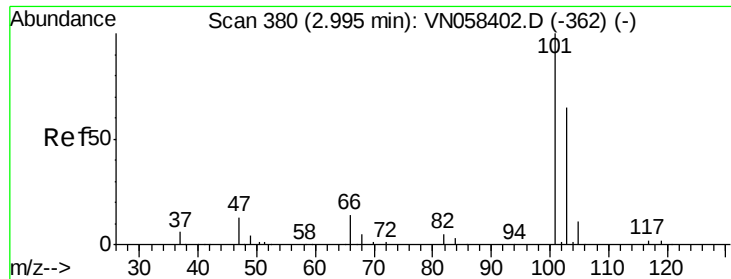
66 33.9 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

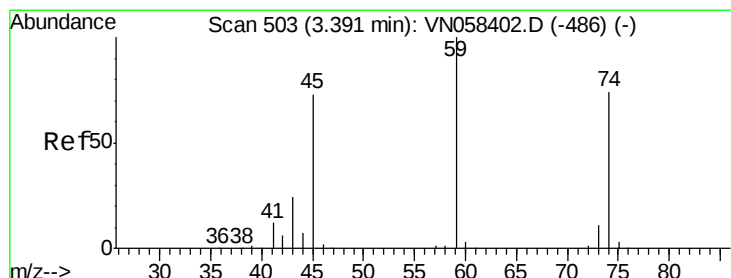
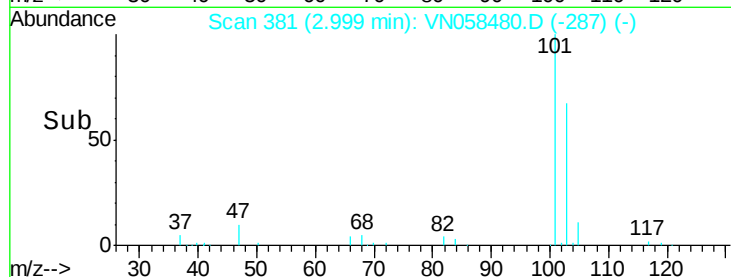
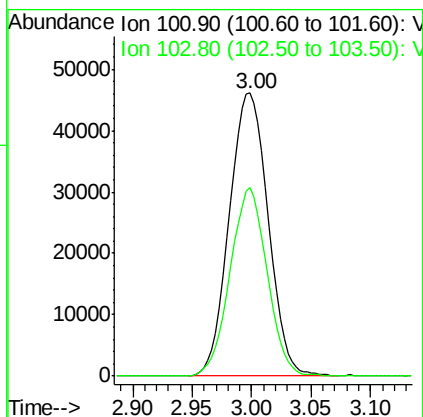
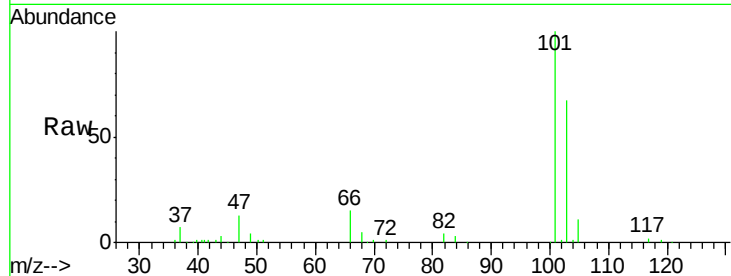
Trichlorofluoromethane
Concen: 21.988 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058480.D
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Tot Ion:101 Resp: 104465
Ion Ratio Lower Upper
101 100
103 66.6 52.3 78.5

Manual Integrations
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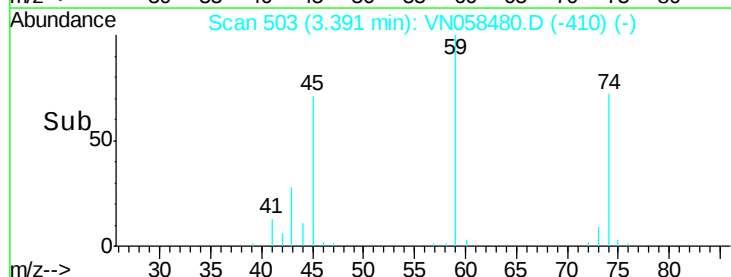
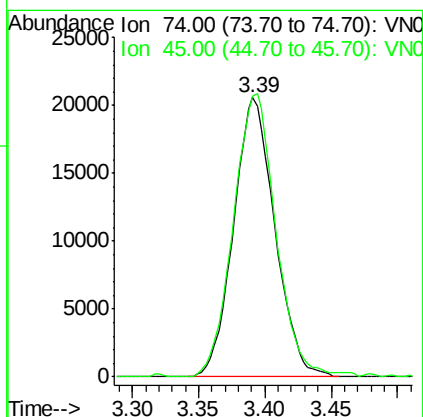
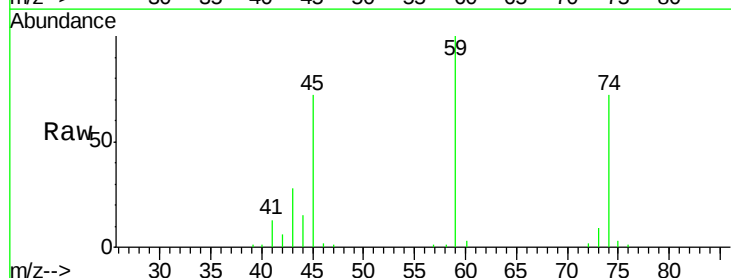
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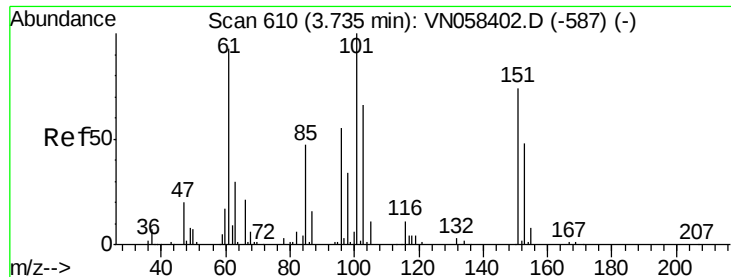


#8

Diethyl Ether
Concen: 21.687 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion: 74 Resp: 44455
Ion Ratio Lower Upper
74 100
45 105.0 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.740 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

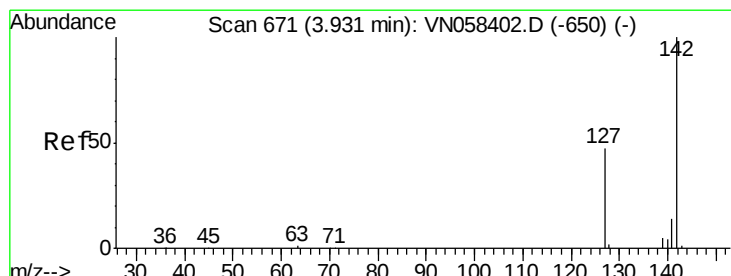
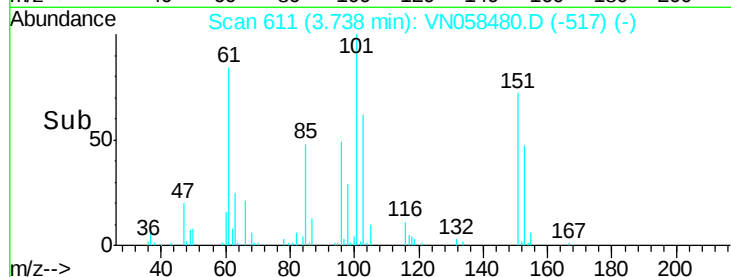
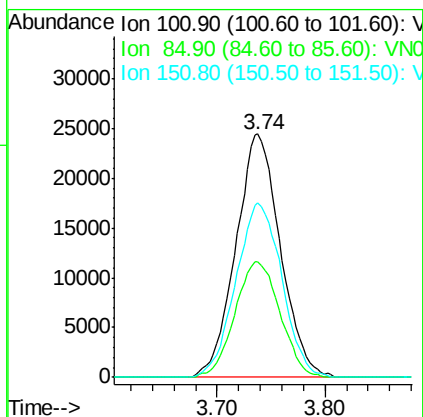
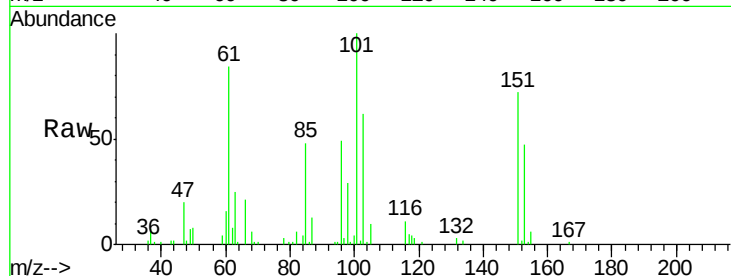
ClientSampleId :

VN1002WBSD01

Tot Ion:	101	Resp:	70146
Ion Ratio	Lower	Upper	
101	100		
85	48.0	36.7	55.1
151	73.8	59.4	89.0

Manual Integrations
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#10

Methyl Iodide

Concen: 20.066 ug/l

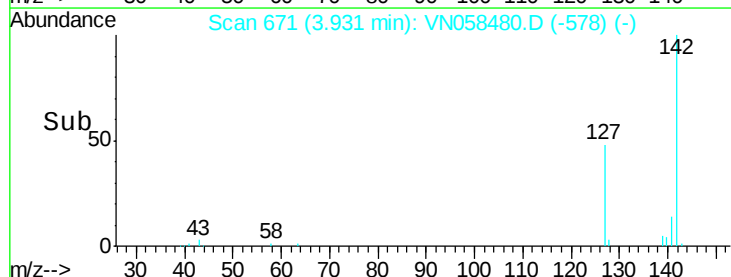
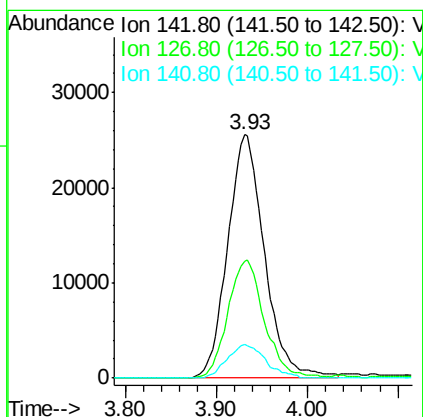
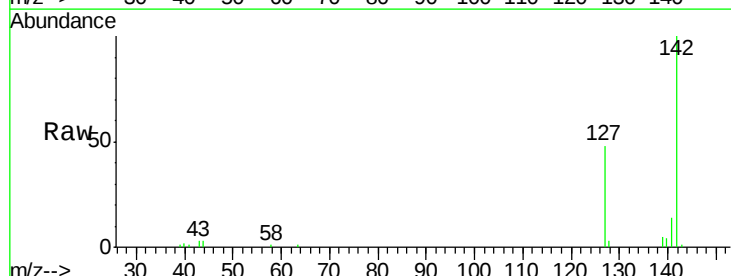
RT: 3.93 min Scan# 671

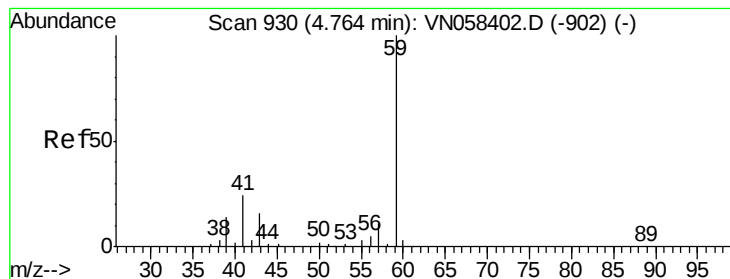
Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Tgt Ion:	142	Resp:	71789
Ion Ratio	Lower	Upper	
142	100		
127	47.9	37.2	55.8
141	14.4	11.3	16.9





#11

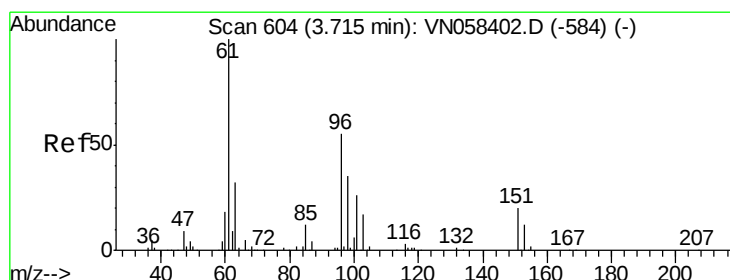
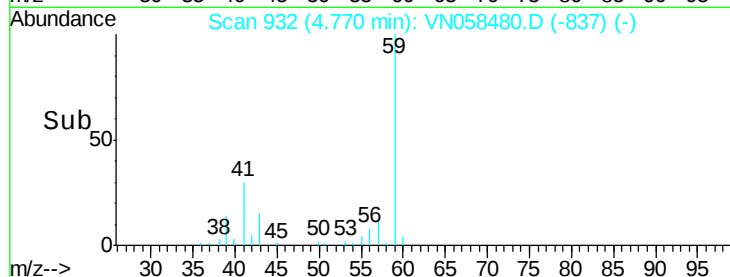
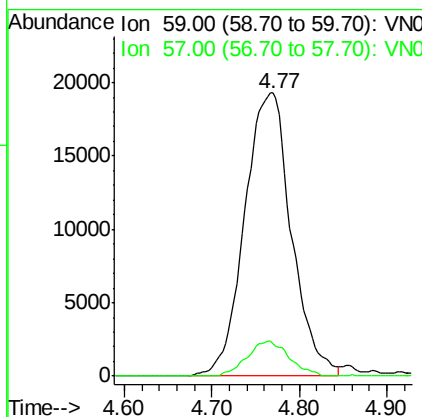
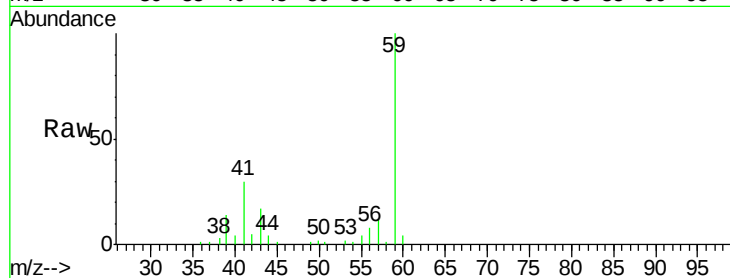
Tert butyl alcohol
 Concen: 132.286 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.01 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

Tot Ion	59	57	Ratio	100	11.1	Resp	71598	Lower	9.0	Upper	13.4
Ion	59	57	Ratio	100	11.1	Resp	71598	Lower	9.0	Upper	13.4

Manual Integrations
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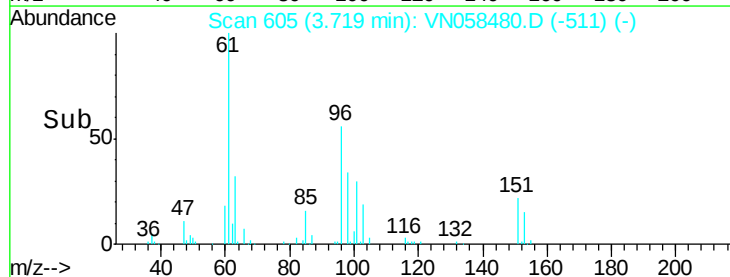
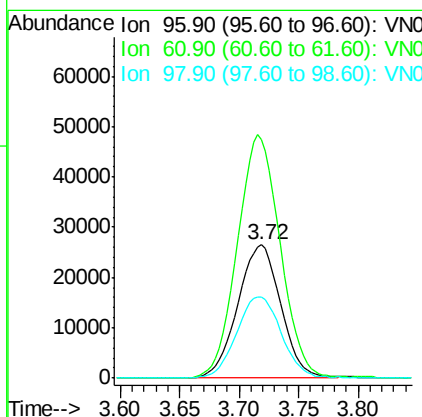
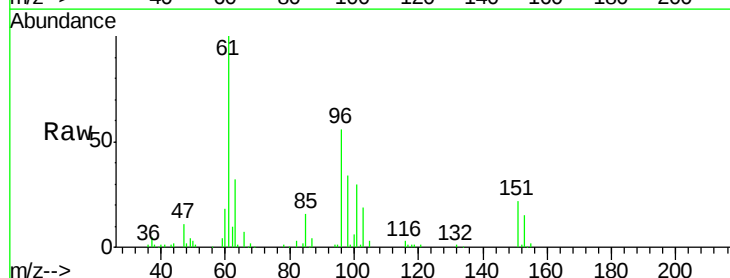
MMDadoda
 10/3/2019 1:35:48 PM

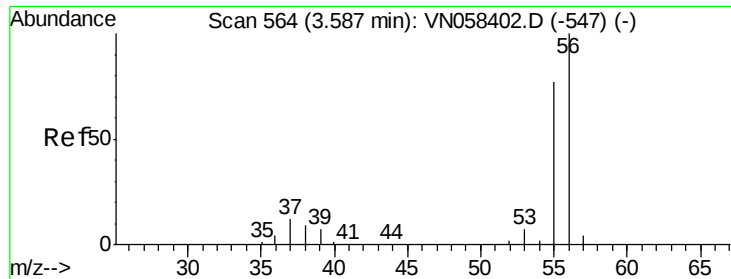


#12

1,1-Dichloroethene
 Concen: 21.111 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion	96	61	98	Ratio	100	179.1	60.6	Resp	66395	Lower	146.7	51.3	Upper	220.1	76.9
Ion	96	61	98	Ratio	100	179.1	60.6	Resp	66395	Lower	146.7	51.3	Upper	220.1	76.9





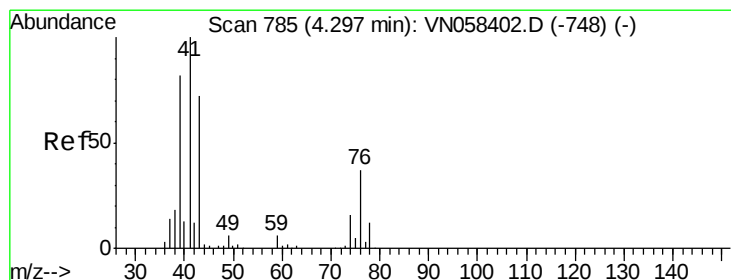
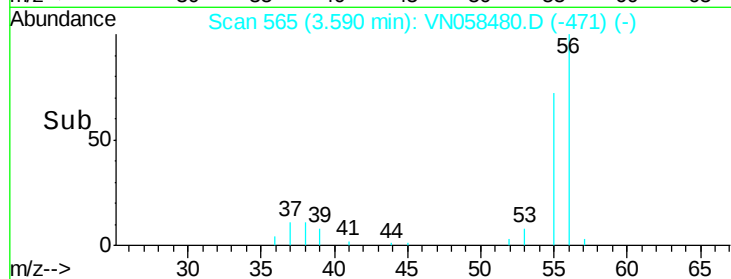
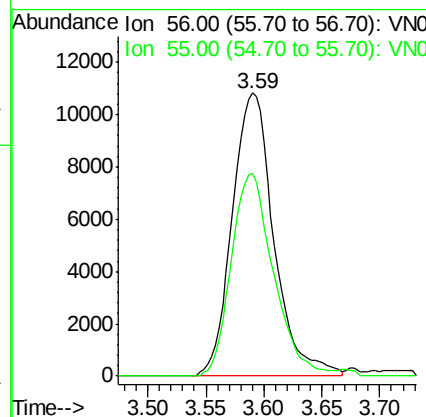
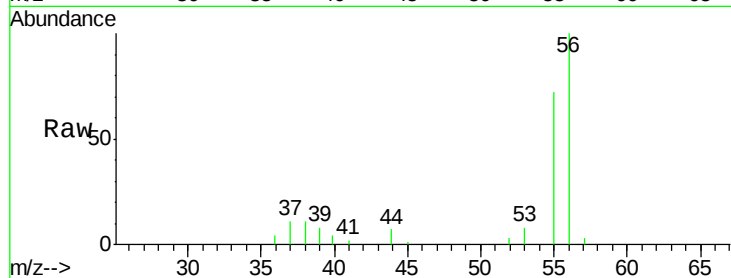
#13
 Acrolein
 Concen: 156.803 ug/l
 RT: 3.59 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

Tot Ion	56	55	Ratio	100	72.4	Resp	26993	Lower	58.3	Upper	87.5
Ion	56	55	Ratio	100	72.4	Resp	26993	Lower	58.3	Upper	87.5

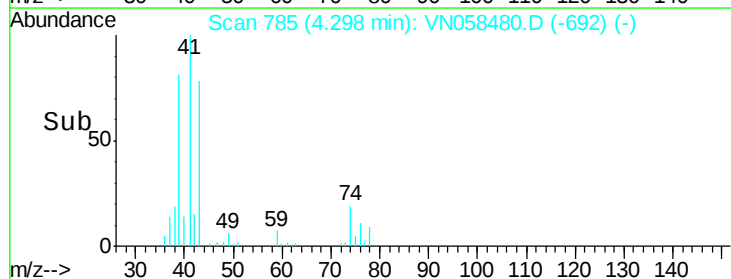
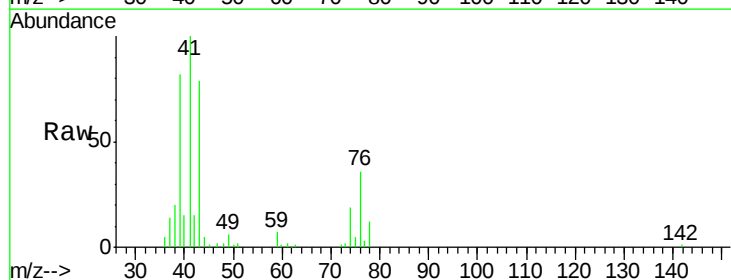
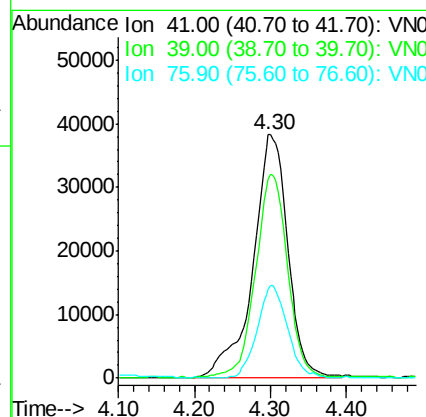
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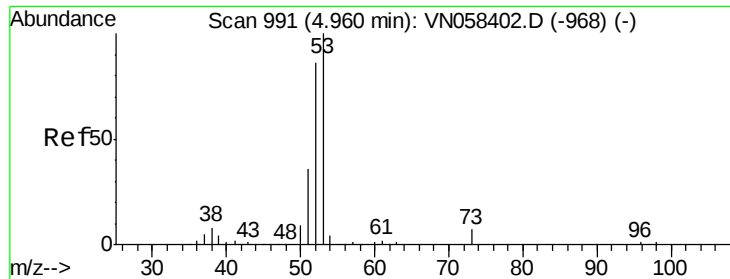
MMDadoda
 10/3/2019 1:35:48 PM



#14
 Allyl chloride
 Concen: 21.418 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion	41	39	76	Ratio	100	77.0	32.8	Resp	122583	Lower	62.3	Upper	93.5	40.3
Ion	41	39	76	Ratio	100	77.0	32.8	Resp	122583	Lower	62.3	Upper	93.5	40.3





#15

Acrylonitrile

Concen: 127.397 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

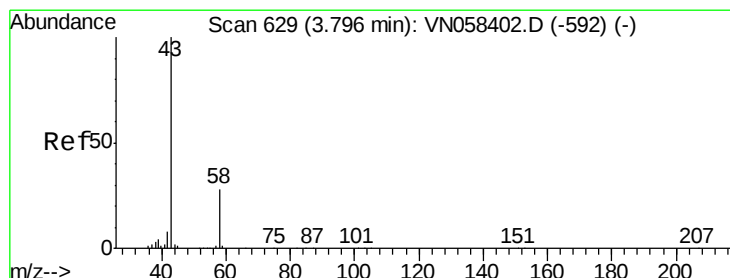
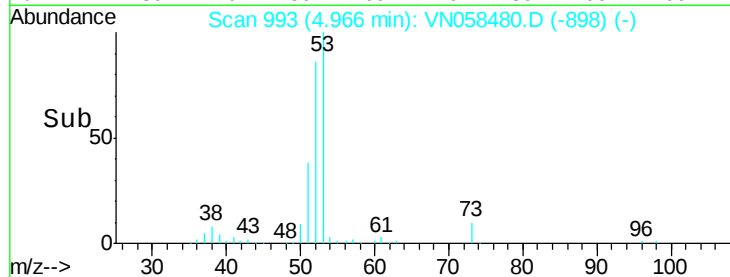
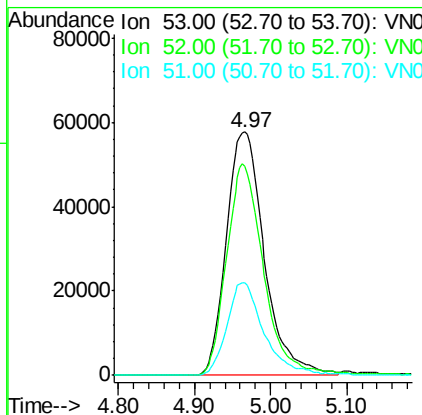
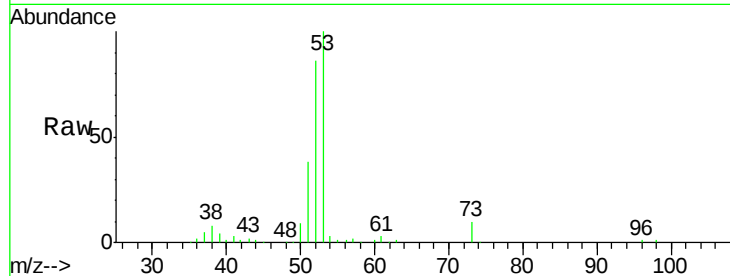
ClientSampleId :

VN1002WBSD01

Tot Ion:	53	Resp:	200957
Ion Ratio		Lower	Upper
53	100		
52	82.6	66.6	100.0
51	36.8	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 113.486 ug/l

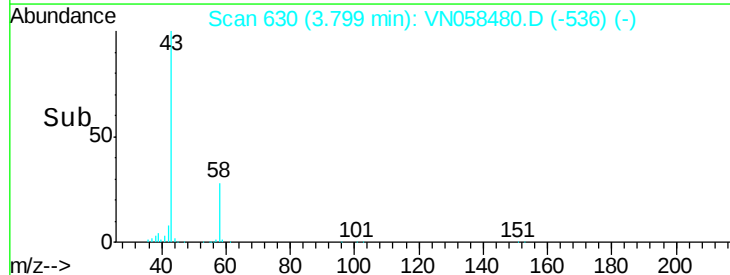
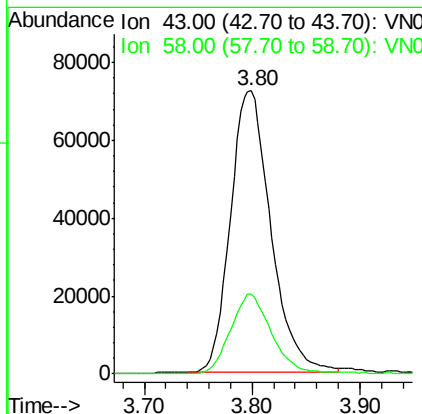
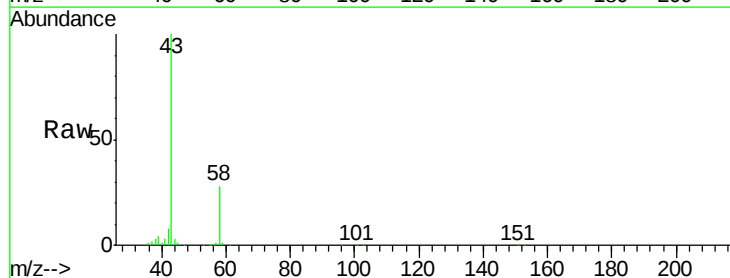
RT: 3.80 min Scan# 630

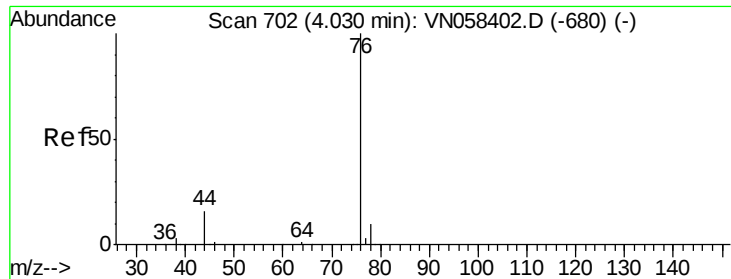
Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Tgt Ion:	43	Resp:	188479
Ion Ratio		Lower	Upper
43	100		
58	28.3	22.4	33.6





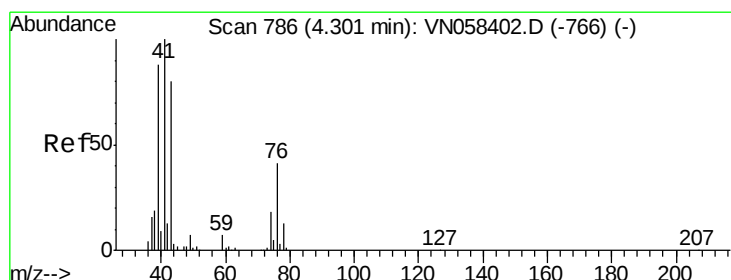
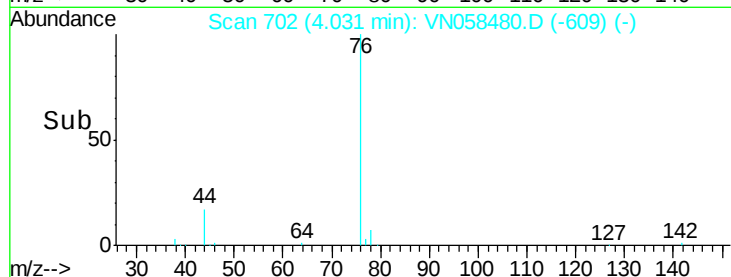
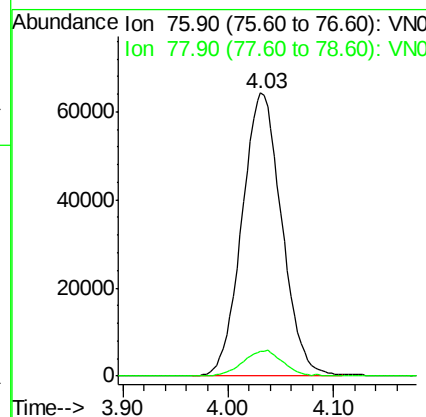
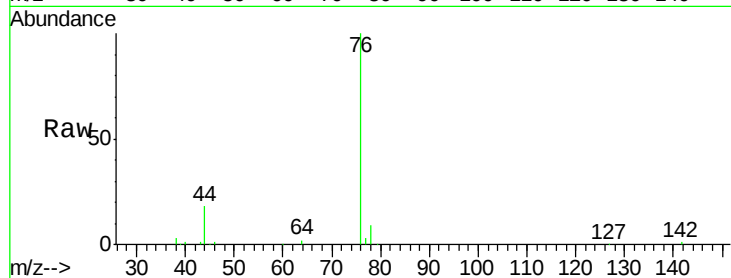
#17
Carbon Disulfide
Concen: 20.335 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.7	11.5

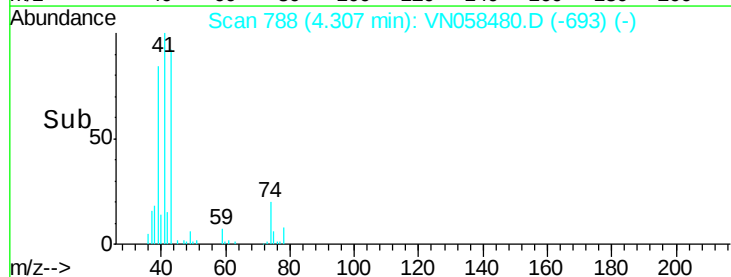
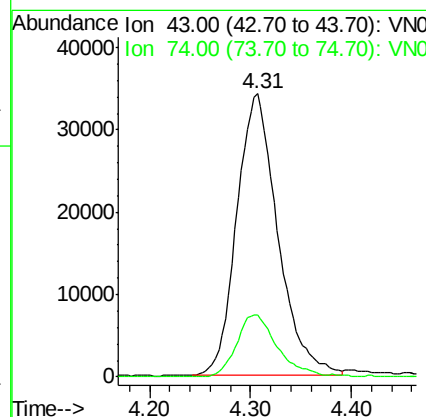
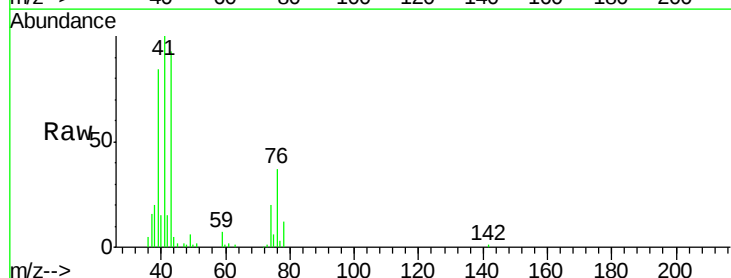
Manual Integrations
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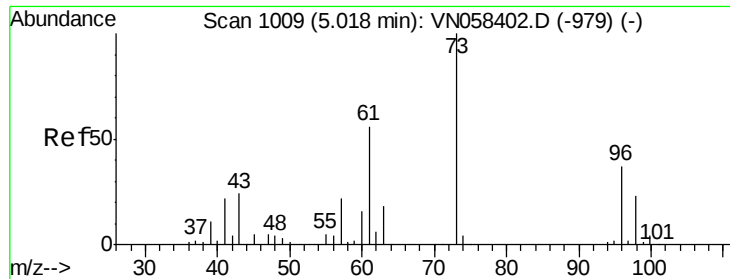
MMDadoda
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#18
Methyl Acetate
Concen: 23.090 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	18.0	27.0





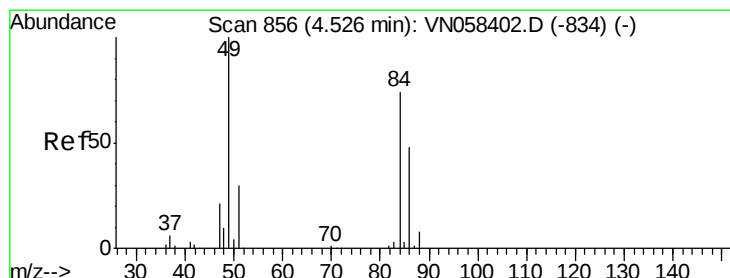
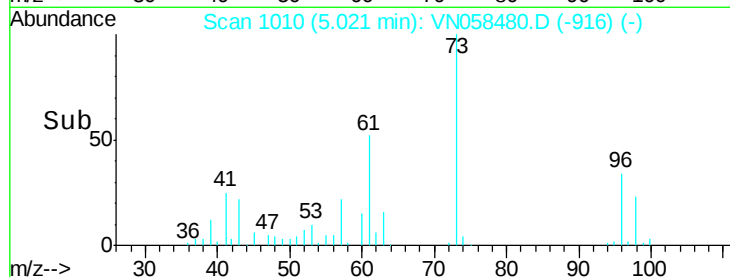
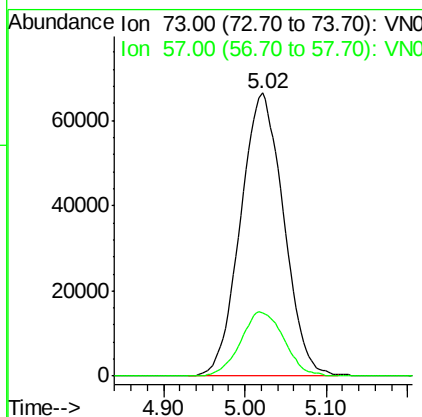
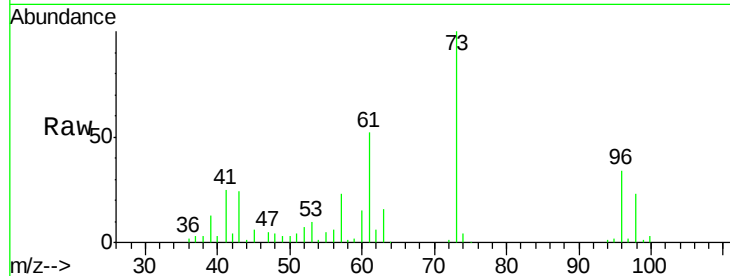
#19
Methvl tert-butvl Ether
Concen: 21.973 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

Tot Ion: 73 Resp: 243827
Ion Ratio Lower Upper
73 100
57 22.5 17.6 26.4

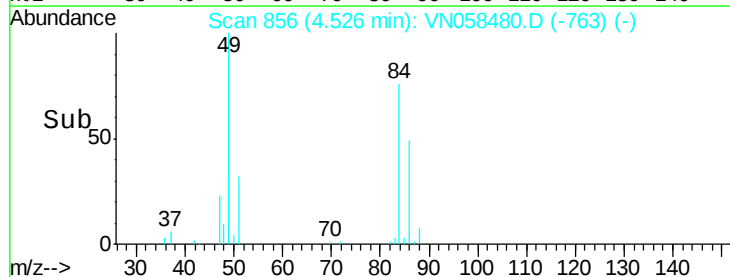
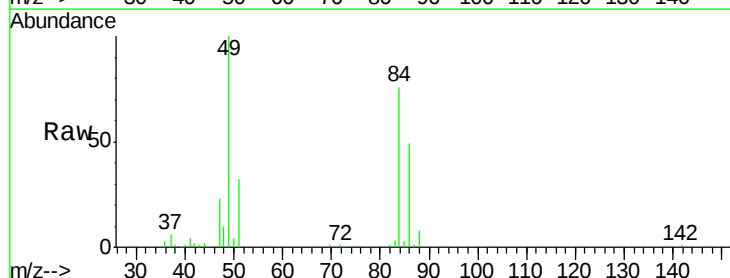
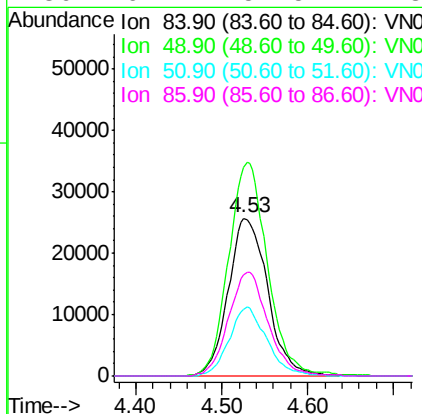
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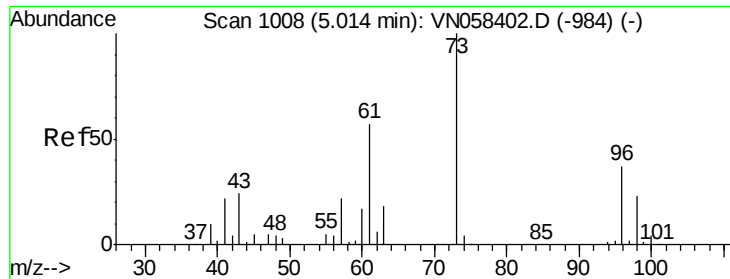
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10/3/2019 1:35:48 PM



#20
Methylene Chloride
Concen: 21.333 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion: 84 Resp: 81762
Ion Ratio Lower Upper
84 100
49 131.6 107.9 161.9
51 42.6 32.8 49.2
86 64.4 51.5 77.3





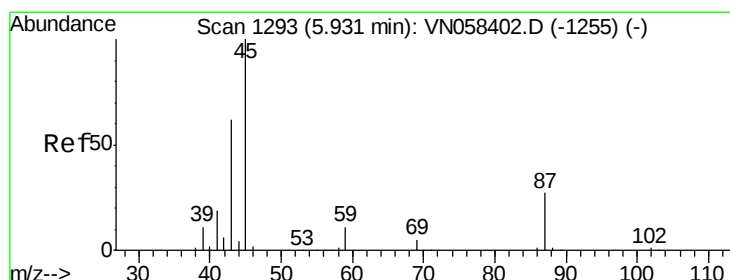
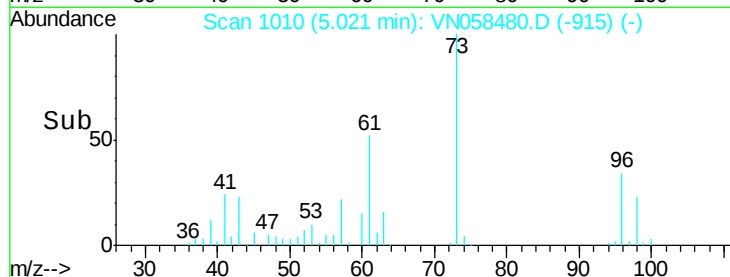
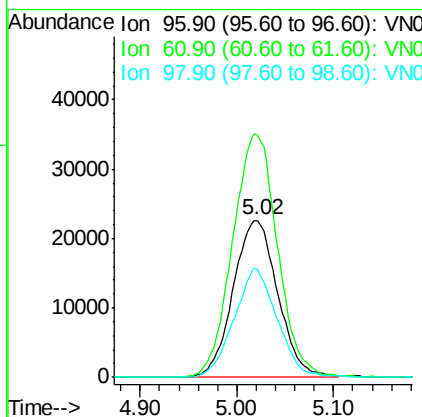
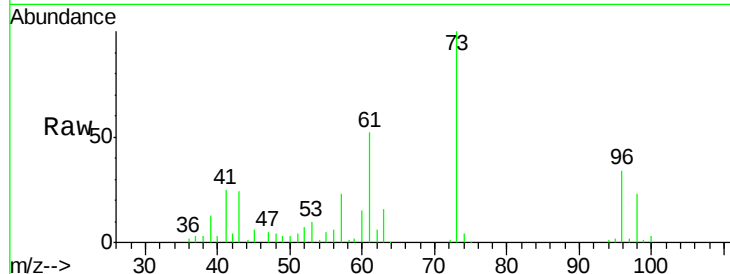
#21
trans-1,2-Dichloroethene
Concen: 20.662 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.2	121.9	182.9
98	68.8	49.3	73.9

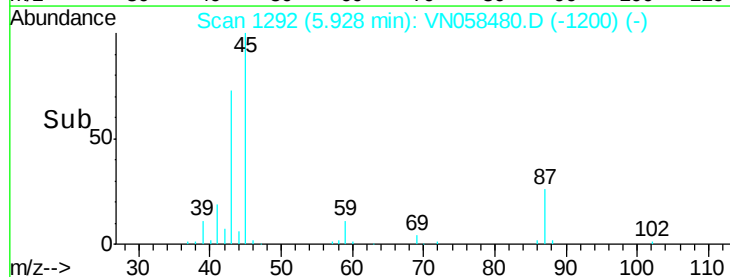
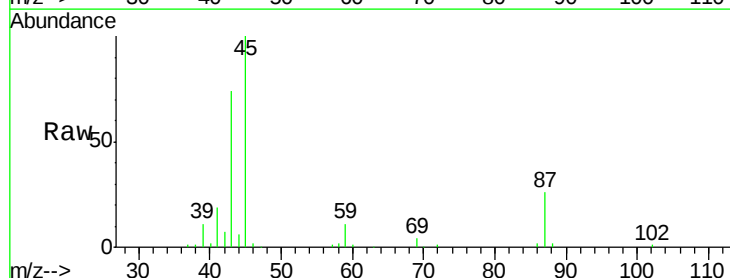
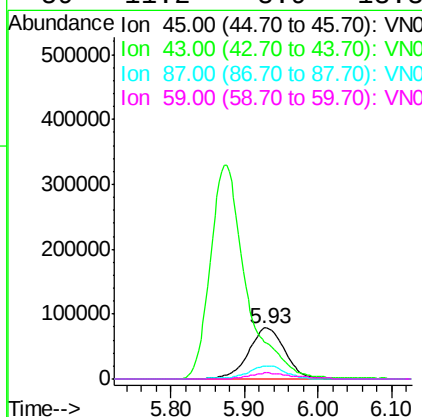
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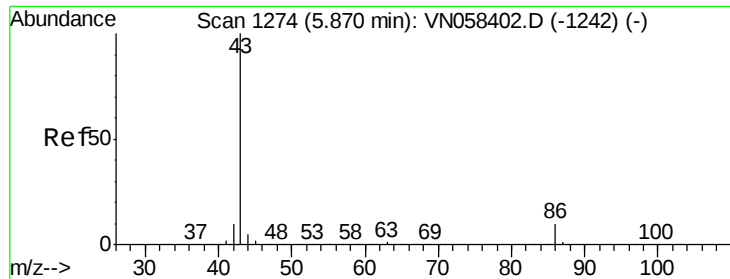
MMDadoda
10/3/2019 1:35:48 PM



#22
Diisopropyl ether
Concen: 22.082 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.2	49.7	74.5
87	25.9	21.5	32.3
59	11.2	8.9	13.3





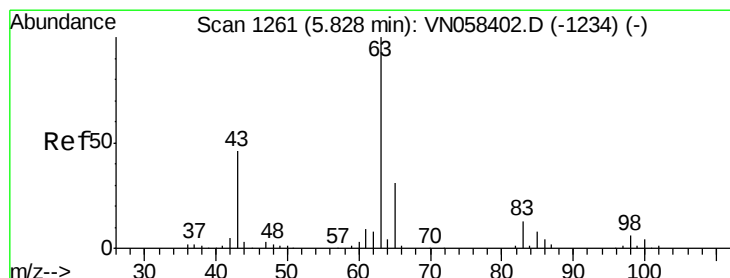
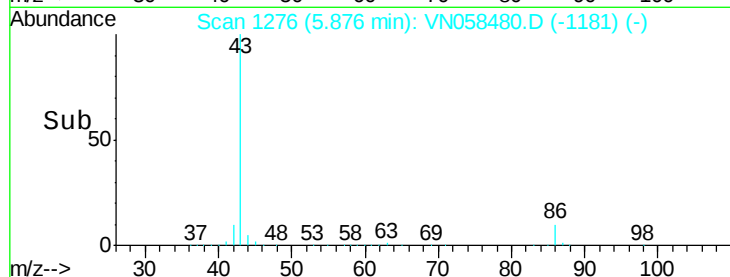
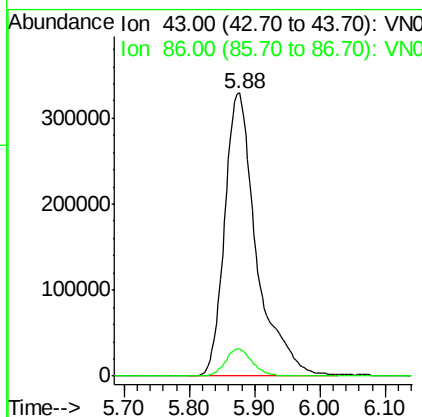
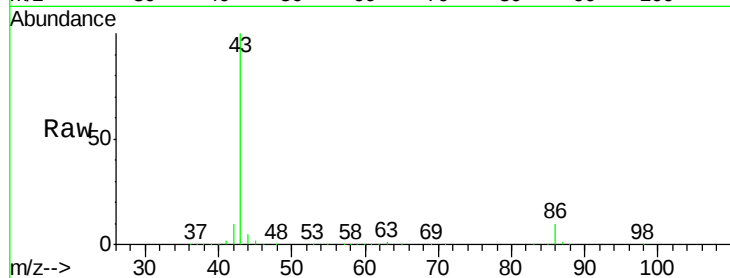
#23
 Vinyl Acetate
 Concen: 120.067 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.01 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

Tot Ion: 43 Resp: 1115039
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.7 11.5

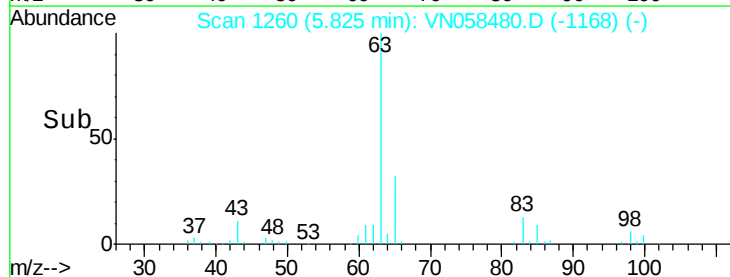
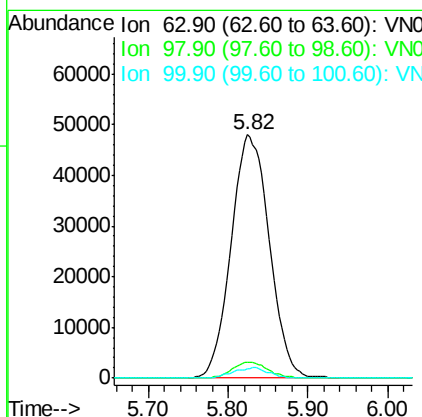
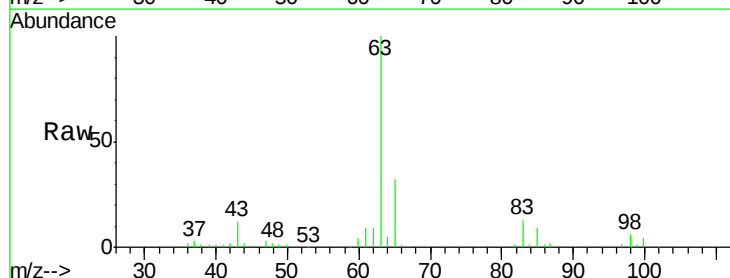
Manual Integrations
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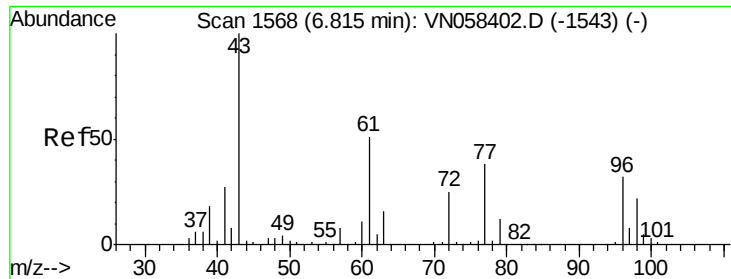
MMDadoda
 10/3/2019 1:35:48 PM



#24
 1,1-Dichloroethane
 Concen: 22.446 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion: 63 Resp: 155586
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.0 9.0
 100 3.6 2.0 5.8





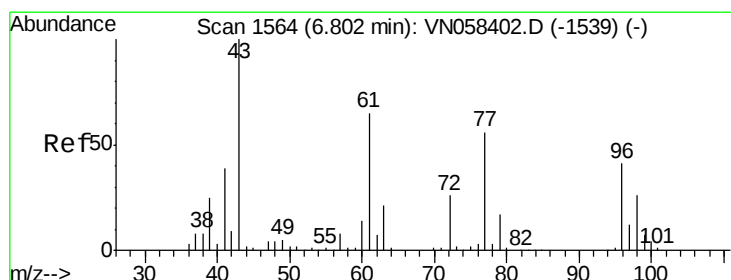
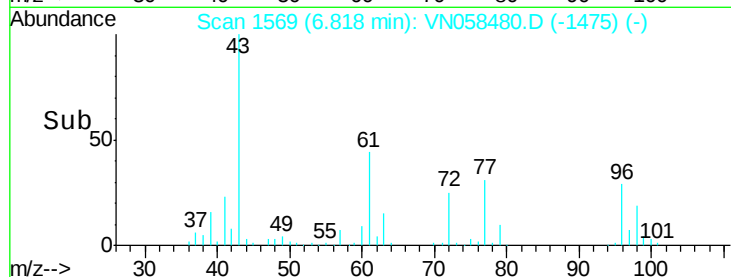
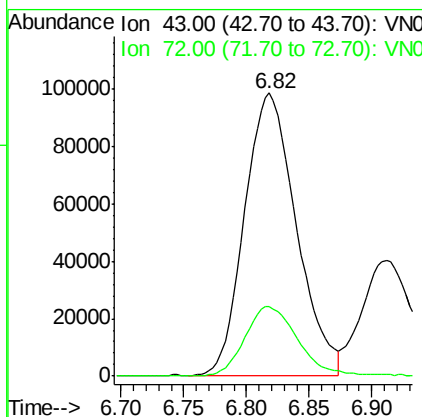
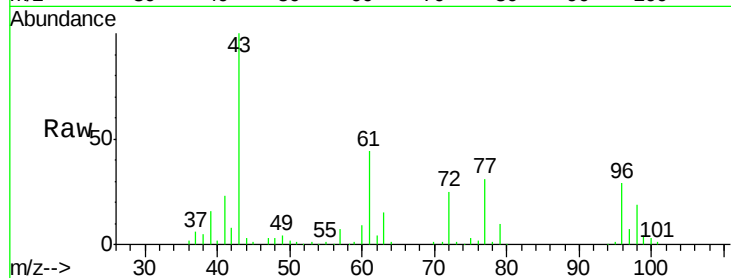
#25
2-Butanone
Concen: 123.865 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

Tot Ion: 43 Resp: 282441
Ion Ratio Lower Upper
43 100
72 24.7 20.2 30.4

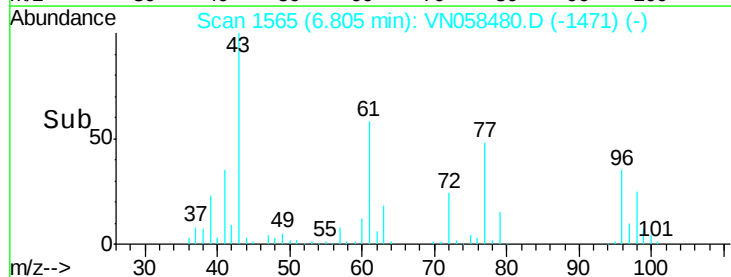
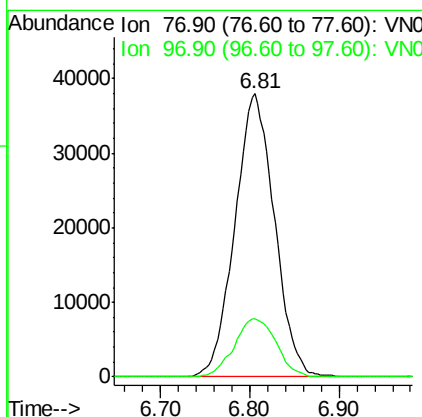
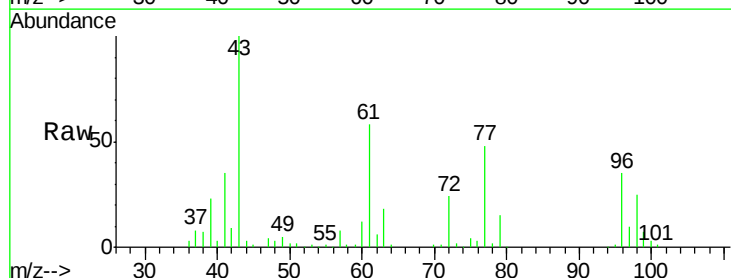
Manual Integrations
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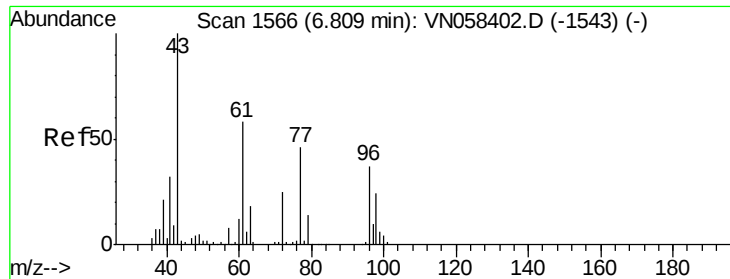
MMDadoda
10/3/2019 1:35:48 PM



#26
2,2-Dichloropropane
Concen: 20.480 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion: 77 Resp: 116705
Ion Ratio Lower Upper
77 100
97 21.7 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 21.366 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

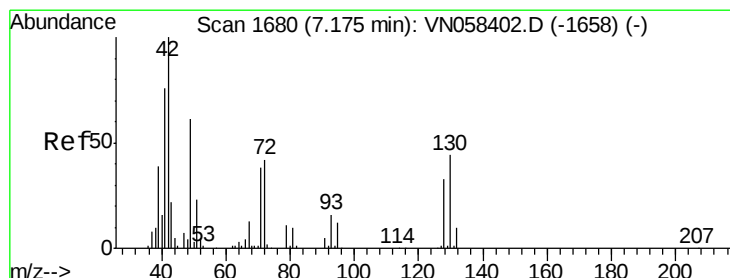
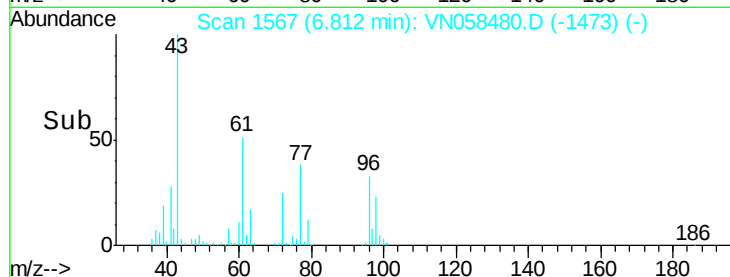
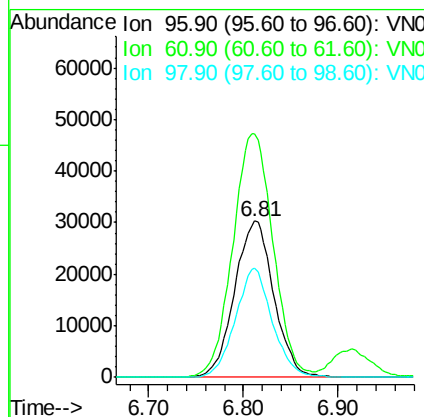
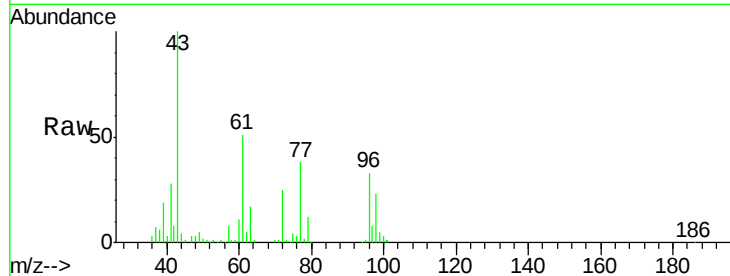
ClientSampleId :

VN1002WBSD01

Tot Ion:	96	Resp:	87334
Ion	Ratio	Lower	Upper
96	100		
61	159.7	0.0	318.8
98	65.6	0.0	129.8

Manual Integrations
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10/3/2019 1:35:48 PM



#28

Bromochloromethane

Concen: 23.816 ug/l

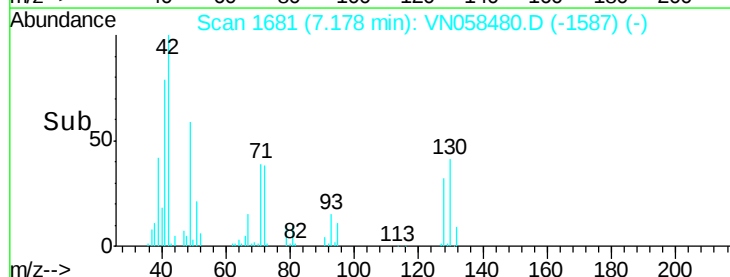
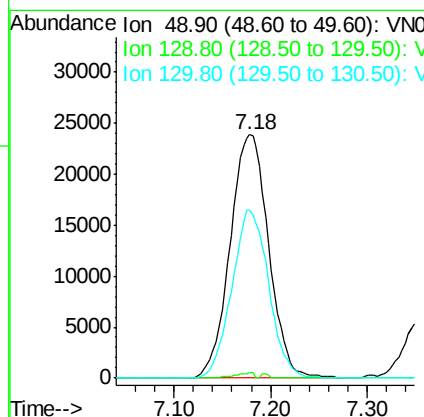
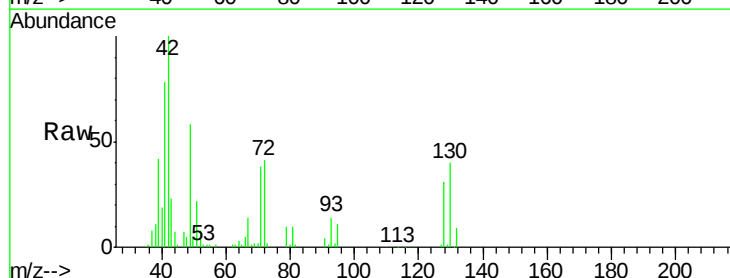
RT: 7.18 min Scan# 1681

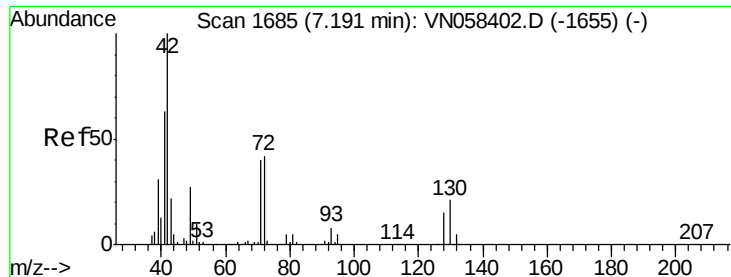
Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Tgt Ion:	49	Resp:	65988
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.4
130	66.1	56.3	84.5





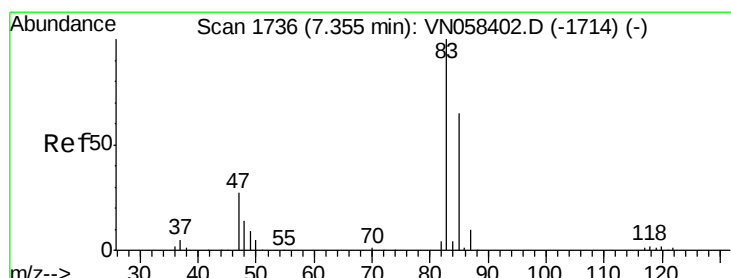
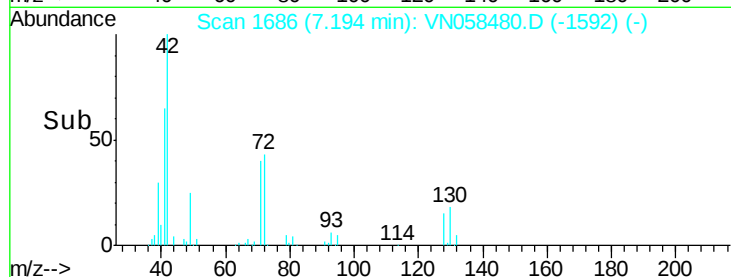
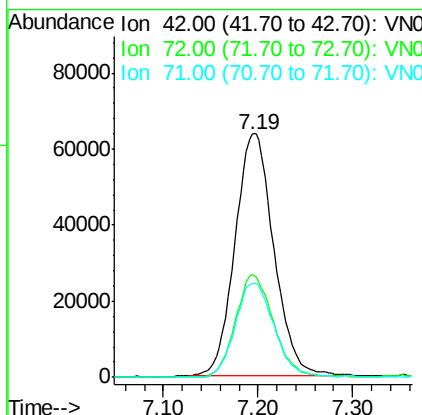
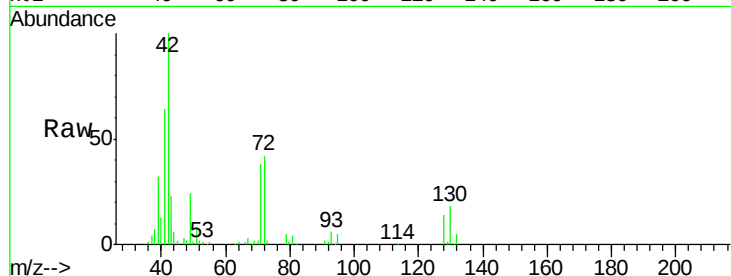
#29
Tetrahydrofuran
Concen: 124.908 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.7	50.5
71	39.1	31.8	47.6

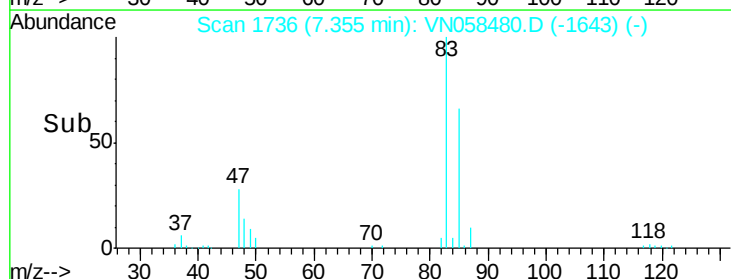
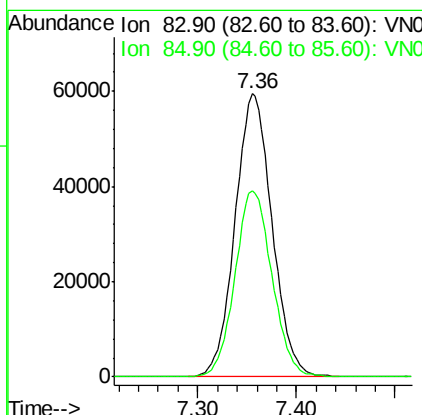
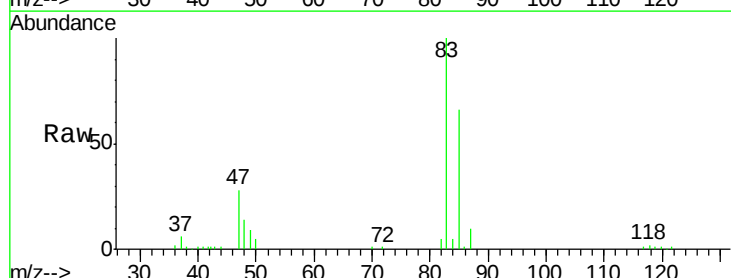
Manual Integrations
APPROVED

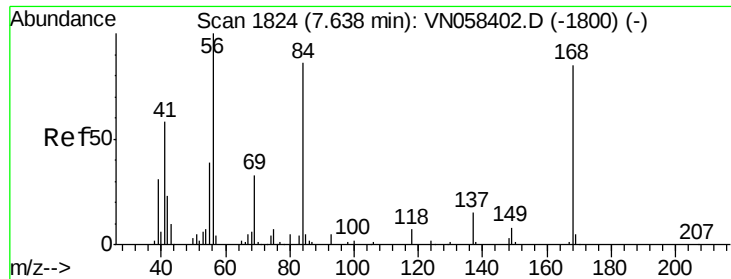
MMDadoda
10/3/2019 1:35:48 PM



#30
Chloroform
Concen: 22.016 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.0	78.0





#31

Cyclohexane

Concen: 20.838 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

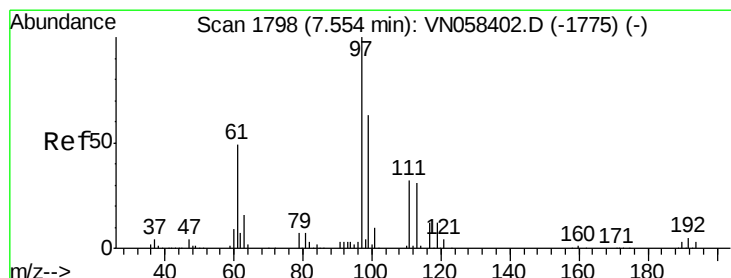
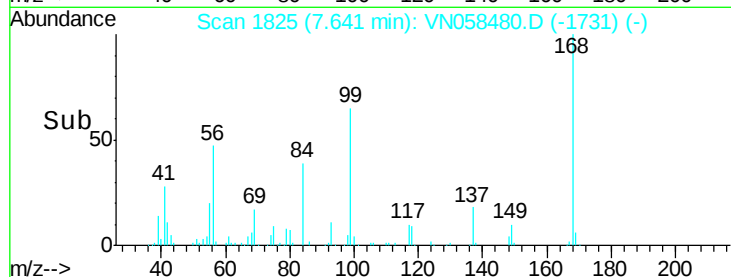
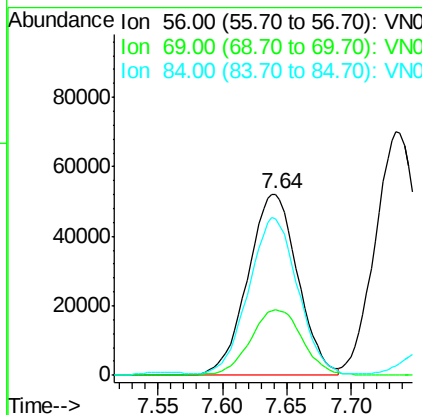
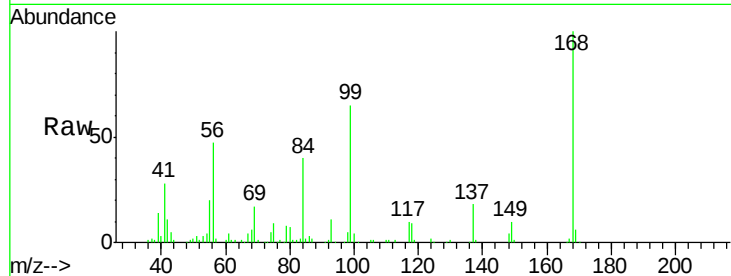
ClientSampleId :

VN1002WBSD01

Tot Ion:	56	Resp:	140501
Ion Ratio	Lower	Upper	
56	100		
69	36.0	26.2	39.4
84	85.5	67.6	101.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.130 ug/l

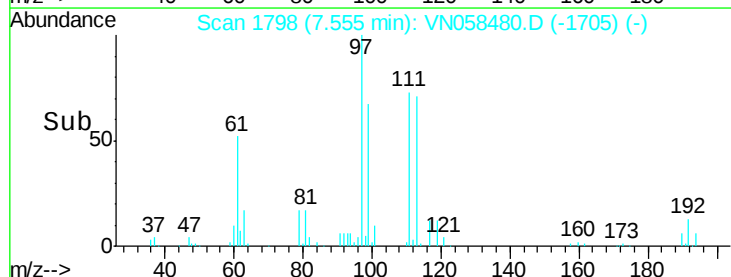
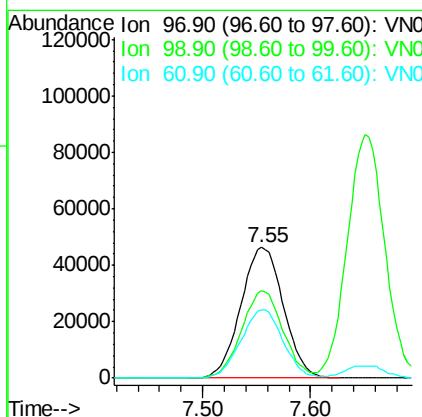
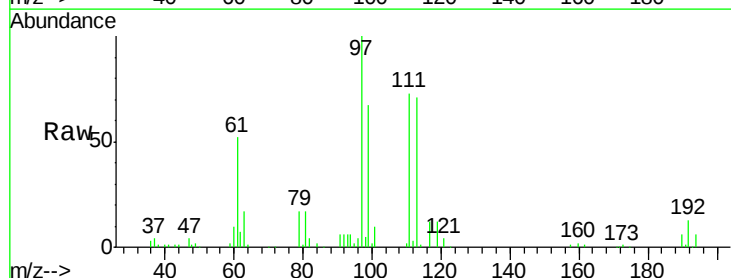
RT: 7.55 min Scan# 1798

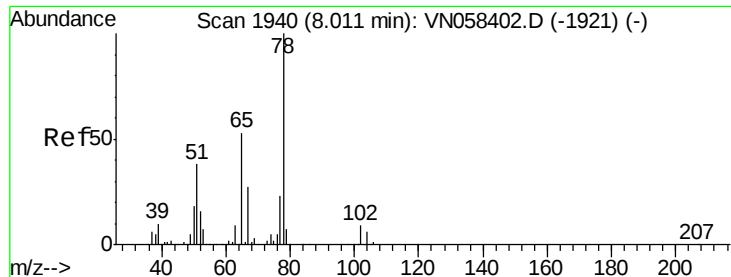
Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Tgt Ion:	97	Resp:	127646
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.1	76.7
61	51.4	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 55.064 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD01

Tot Ion: 65 Resp: 268268

Ion Ratio Lower Upper

65 100

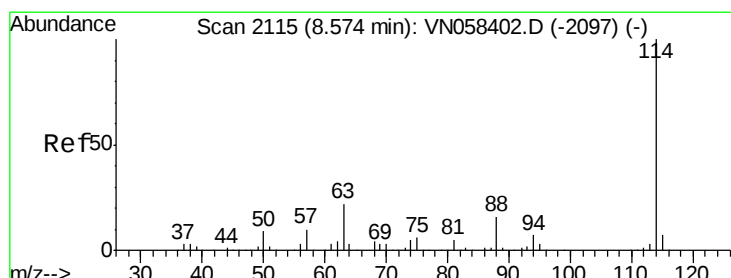
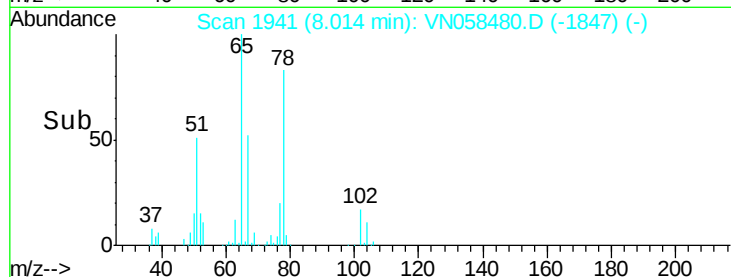
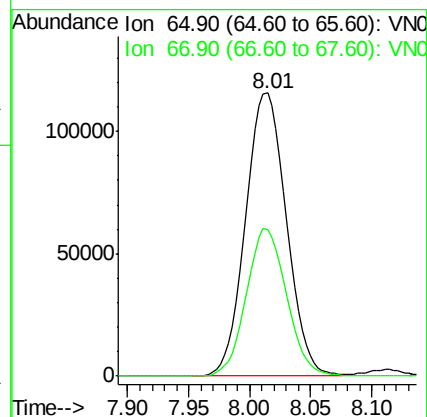
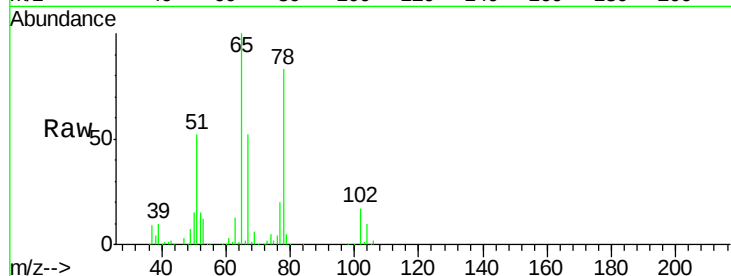
67 51.4 0.0 102.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

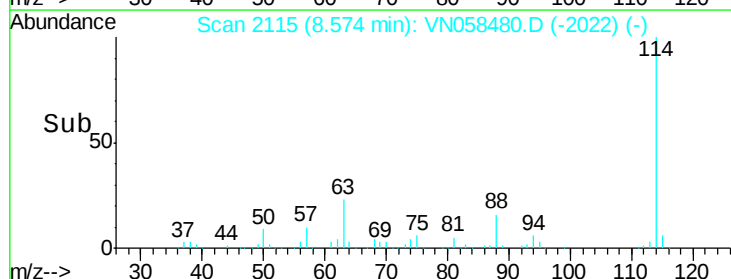
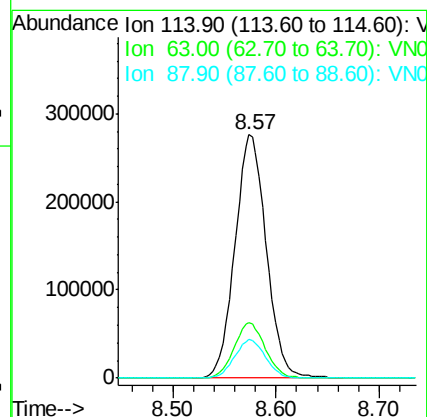
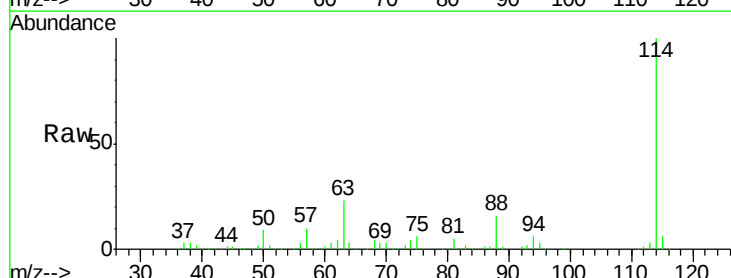
Tgt Ion: 114 Resp: 584849

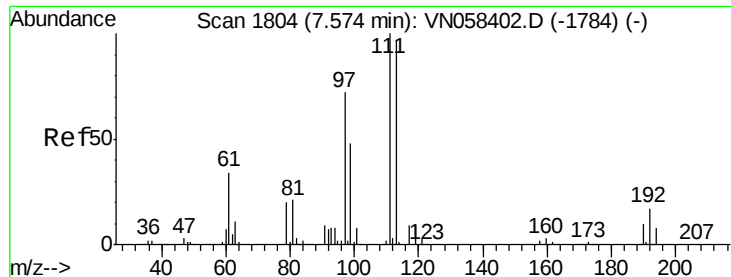
Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.0

88 15.8 0.0 32.2





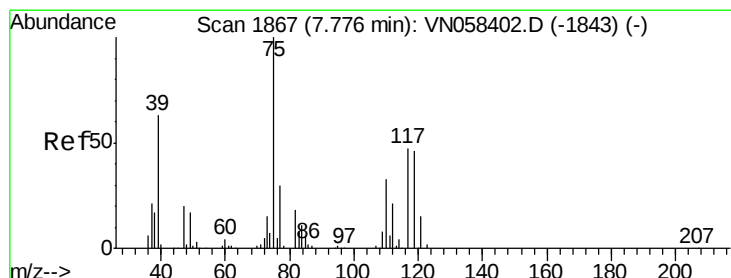
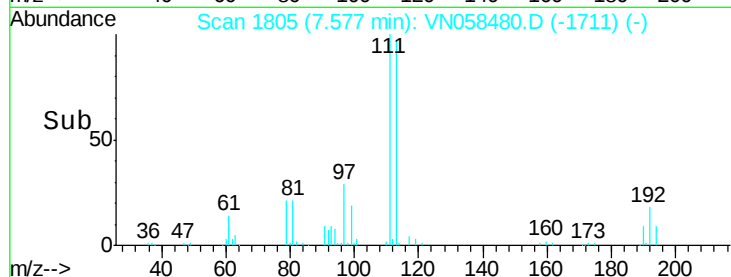
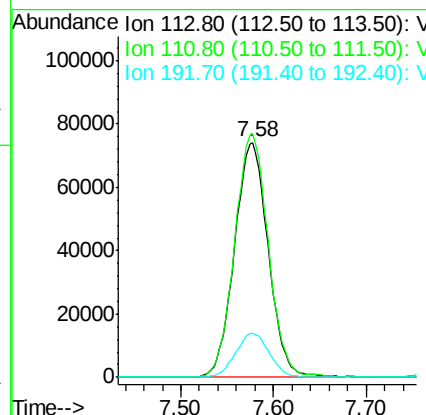
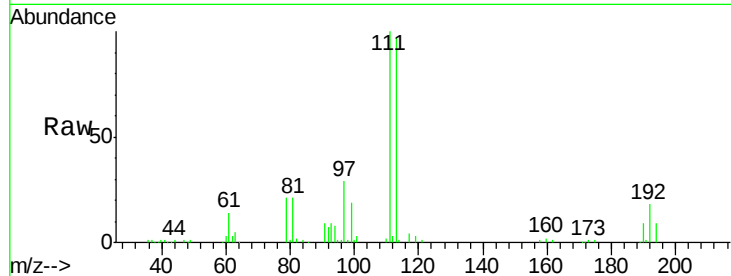
#35
Dibromofluoromethane
Concen: 52.273 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	187371		
111	102.7	83.4	125.2	
192	18.8	14.9	22.3	

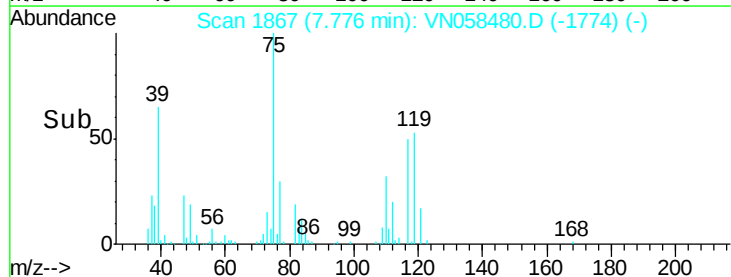
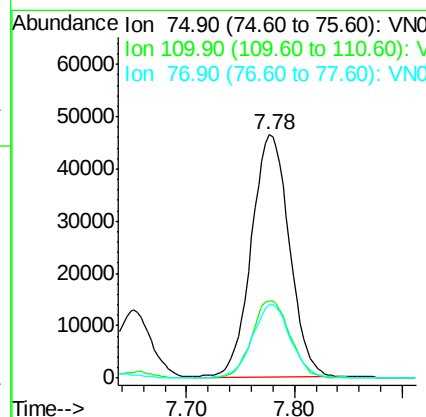
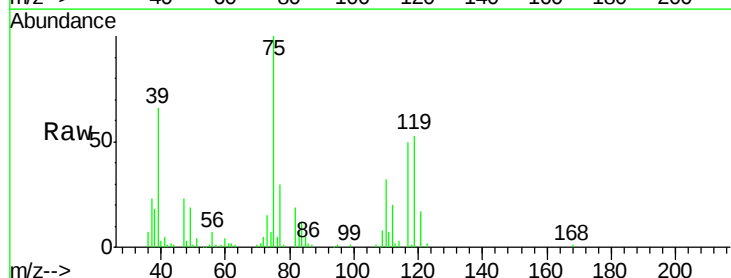
Manual Integrations
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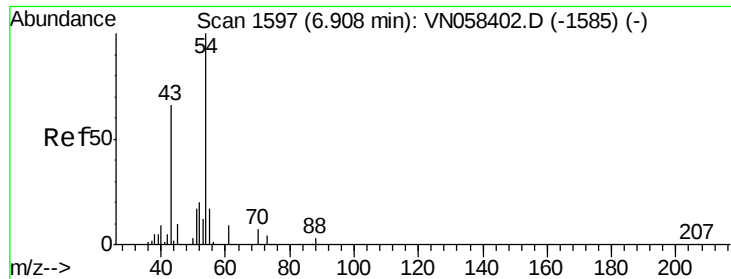
MMDadoda
10/3/2019 1:35:48 PM



#36
1,1-Dichloropropene
Concen: 20.248 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	113232		
110	32.2	16.4	49.2	
77	30.9	24.3	36.5	





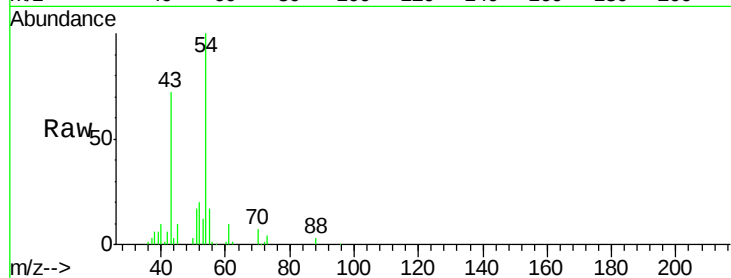
#37
Ethyl Acetate
Concen: 24.140 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampled :
VN1002WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.5	15.7
70	9.8	7.8	11.6

Manual Integrations
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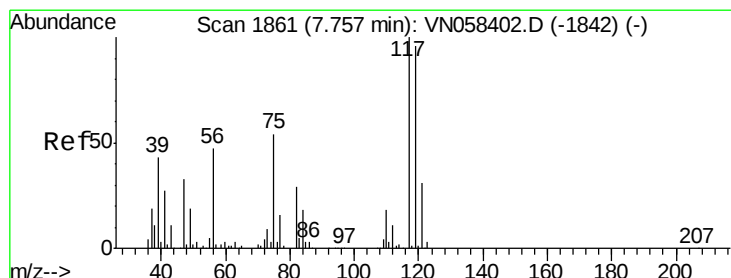
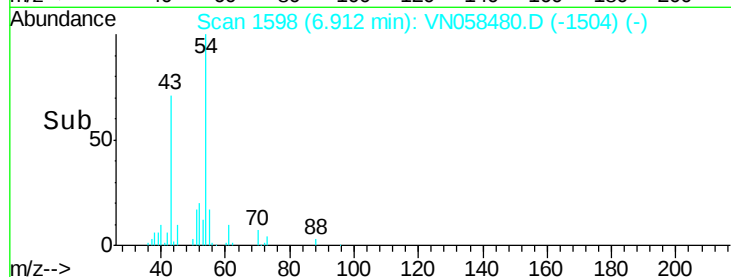
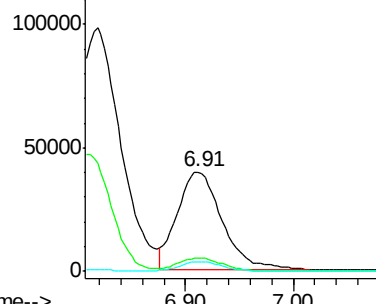
MMDadoda
10/3/2019 1:35:48 PM



Abundance Ion 43.00 (42.70 to 43.70): VN058480.D (-1597) (-)

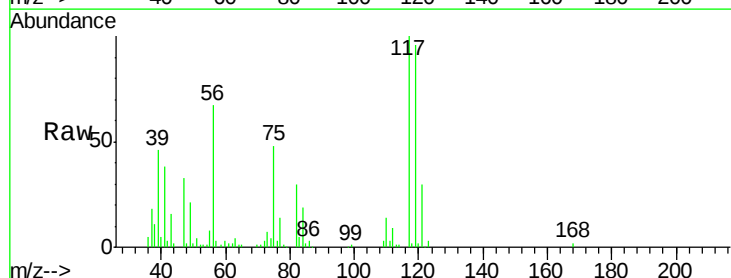
Ion 60.90 (60.60 to 61.60): VN058480.D (-1597) (-)

Ion 70.00 (69.70 to 70.70): VN058480.D (-1597) (-)



#38
Carbon Tetrachloride
Concen: 21.280 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

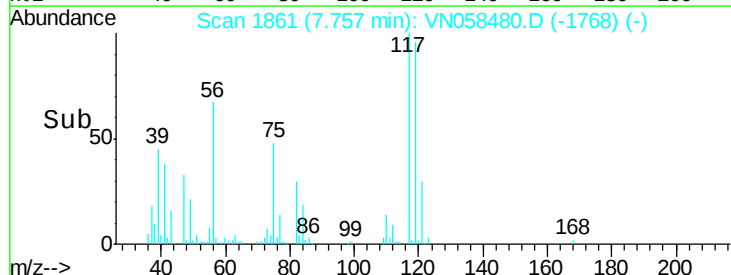
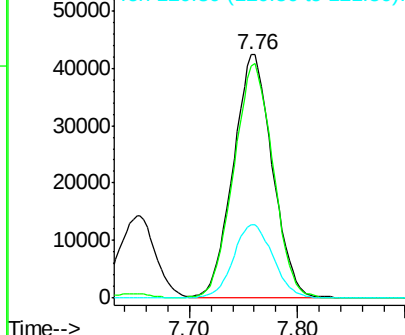
Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.6	115.0
121	30.2	24.7	37.1

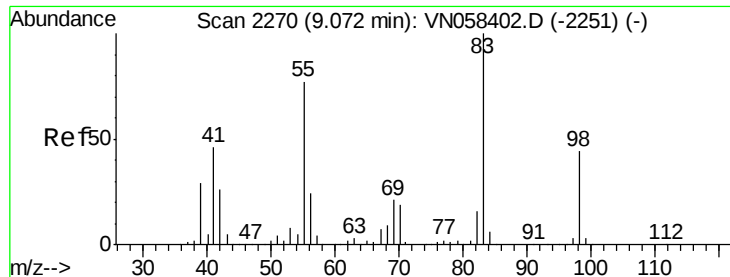


Abundance Ion 116.80 (116.50 to 117.50): VN058480.D (-1861) (-)

Ion 118.80 (118.50 to 119.50): VN058480.D (-1861) (-)

Ion 120.80 (120.50 to 121.50): VN058480.D (-1861) (-)





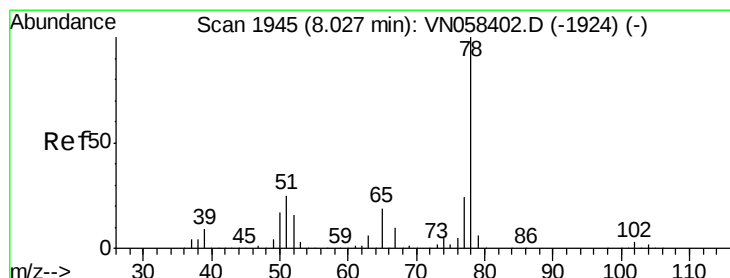
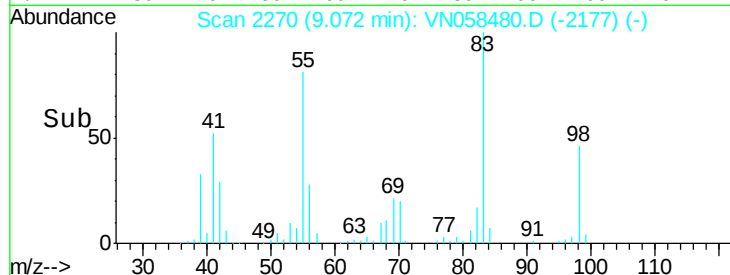
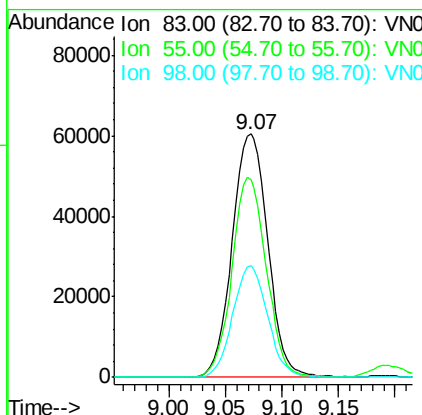
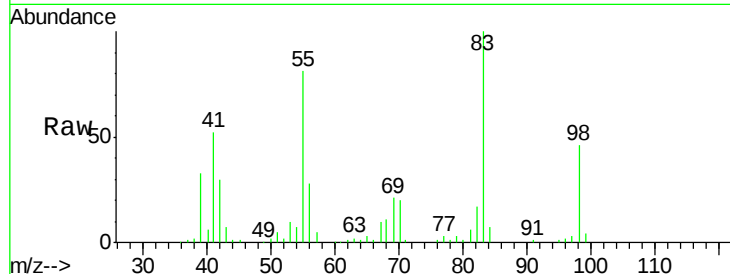
#39
Methvlcvclohexane
Concen: 20.317 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.3	61.8	92.6
98	45.8	35.4	53.0

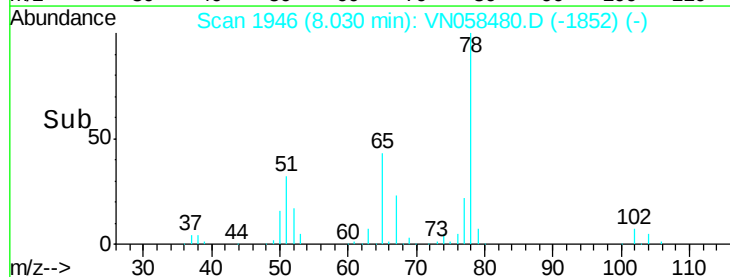
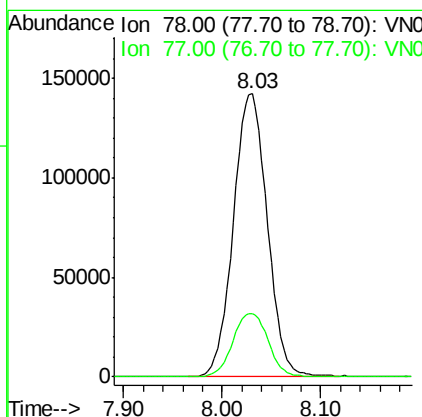
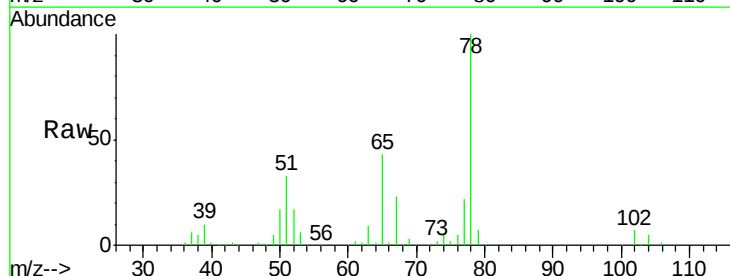
Manual Integrations
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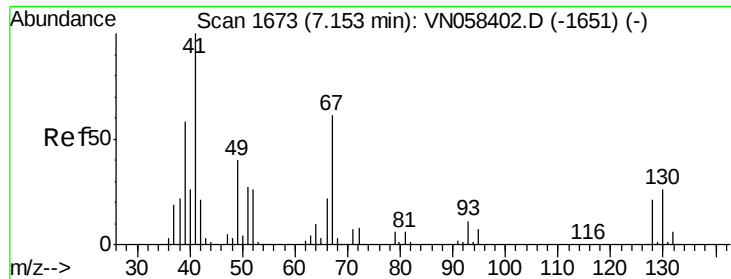
MMDadoda
10/3/2019 1:35:48 PM



#40
Benzene
Concen: 21.182 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.9	28.3





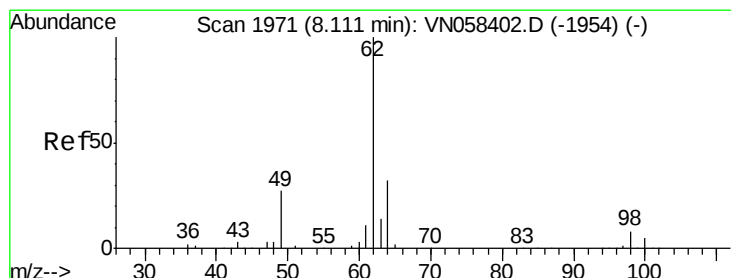
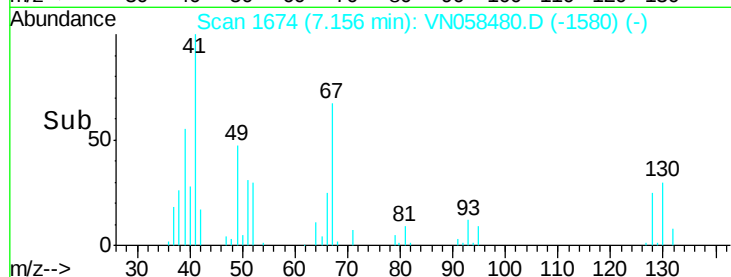
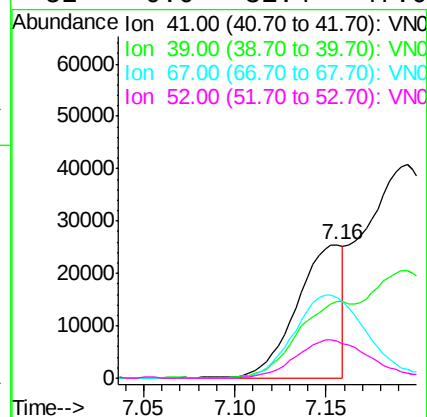
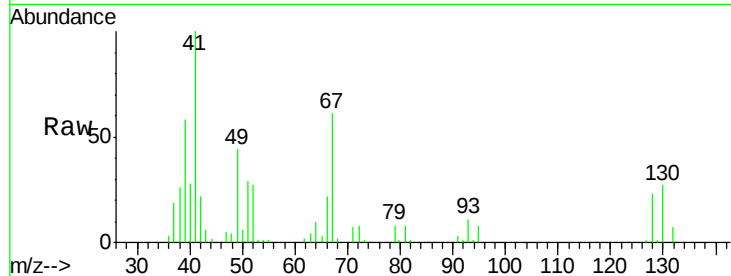
#41
Methacrylonitrile
Concen: 20.759 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.4#
67	0.0	70.2	105.4#
52	0.0	31.4	47.0#

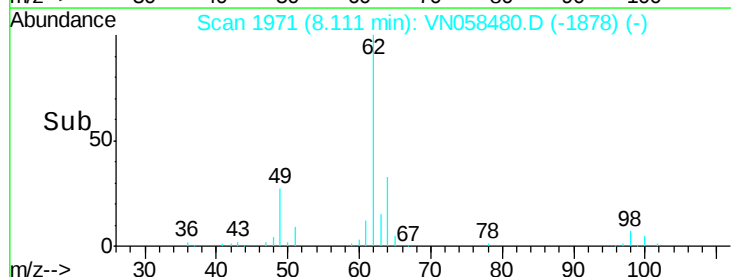
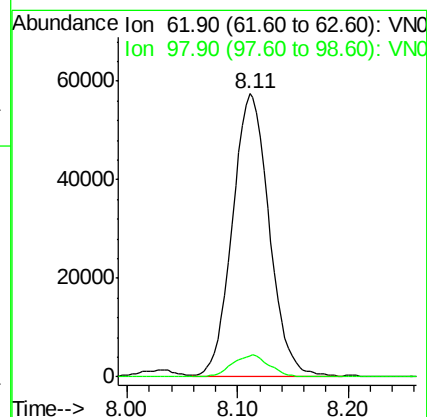
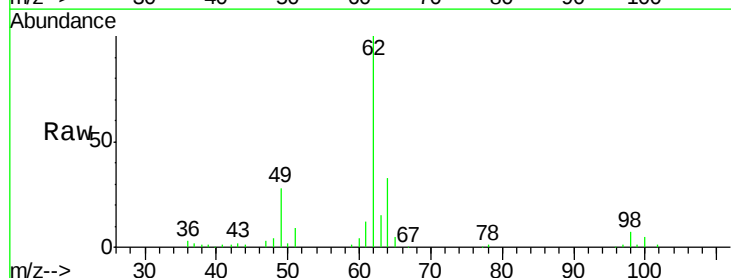
Manual Integrations
APPROVED

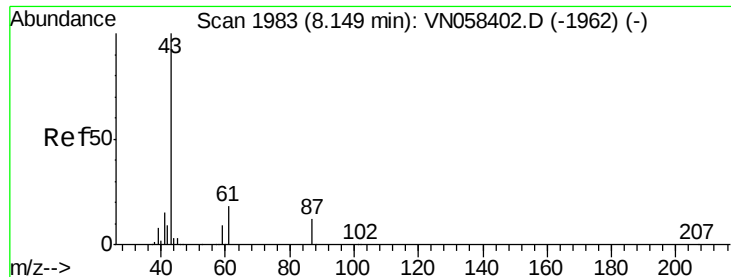
MMDadoda
10/3/2019 1:35:48 PM



#42
1,2-Dichloroethane
Concen: 21.116 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.6





#43

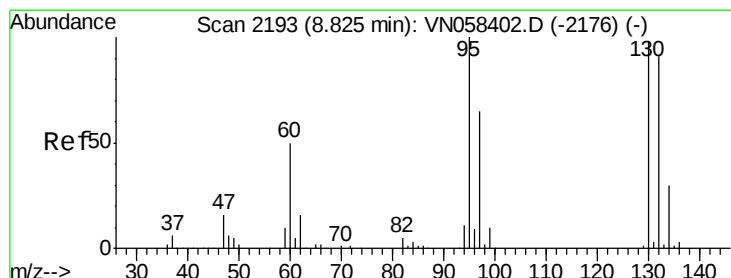
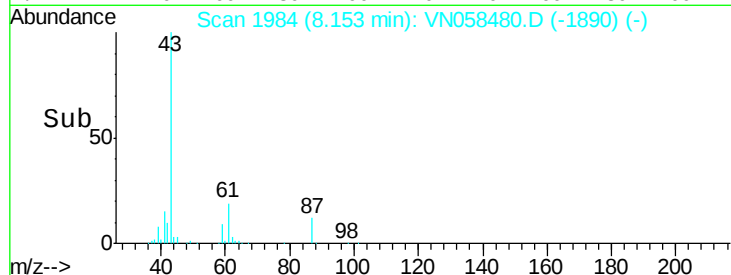
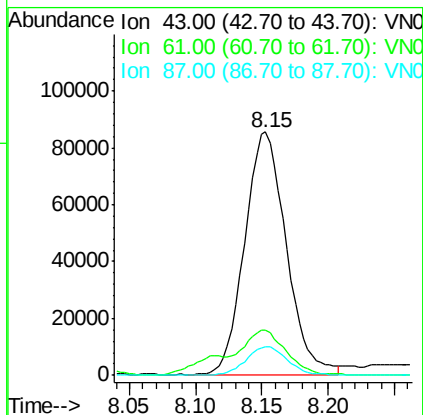
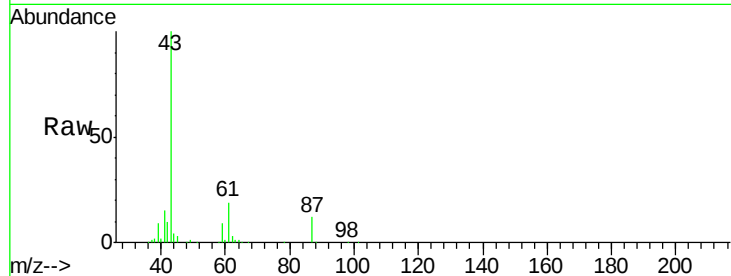
Isopropyl Acetate
 Concen: 20.893 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.8	22.2
87	11.7	9.7	14.5

Manual Integrations
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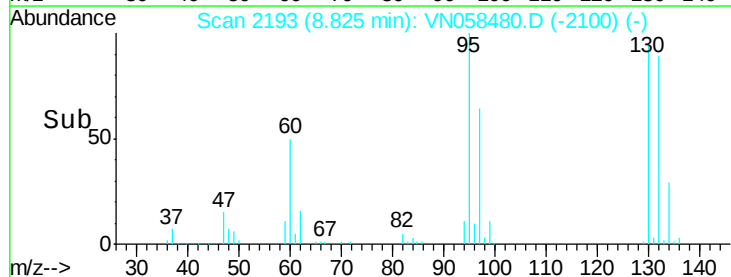
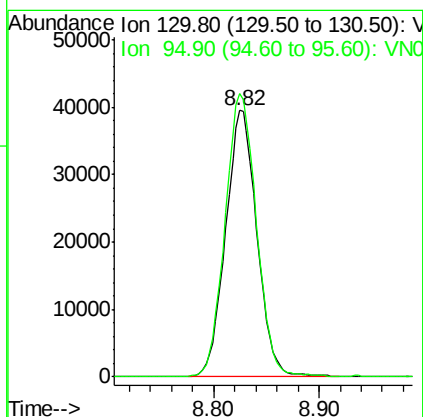
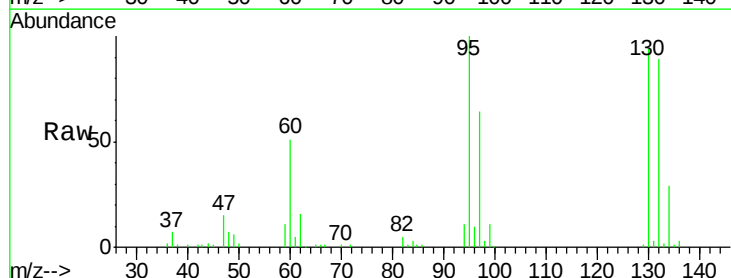
MMDadoda
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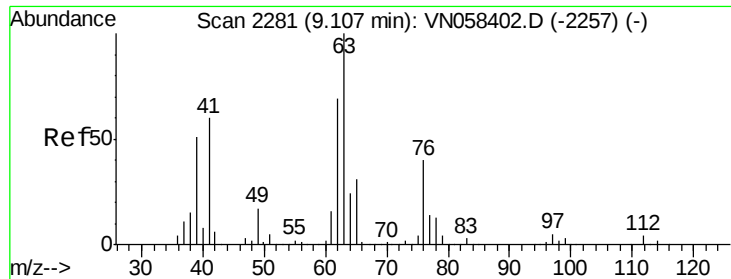


#44

Trichloroethene
 Concen: 20.436 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	204.2





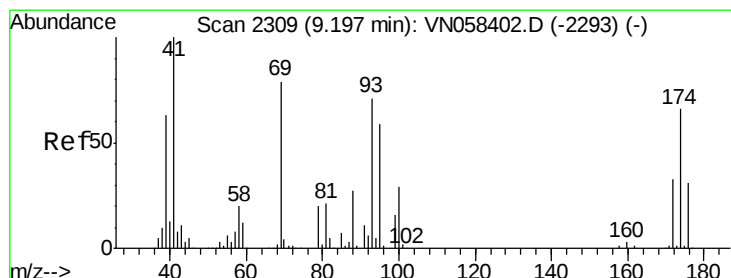
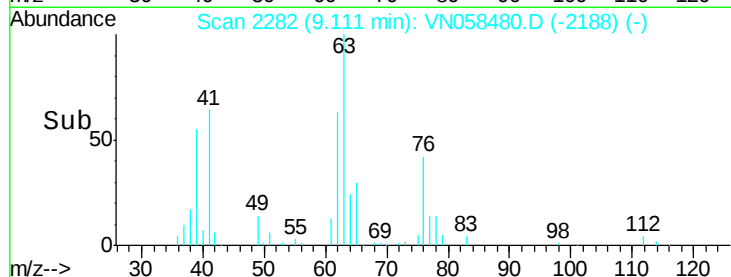
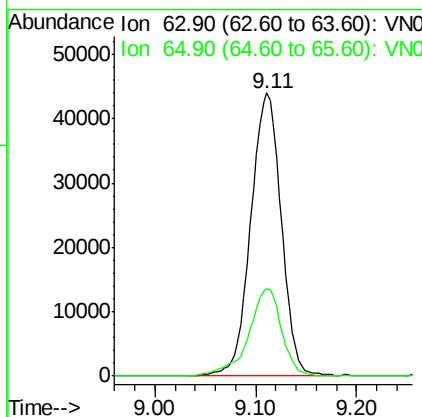
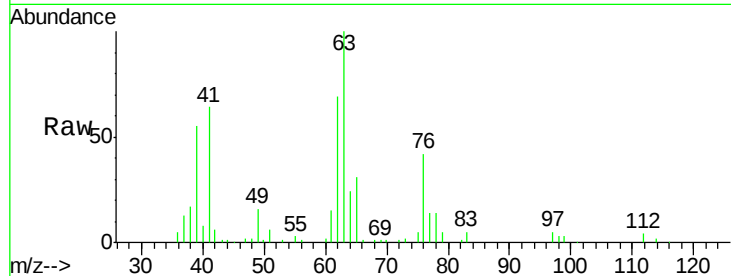
#45
 1,2-Dichloropropane
 Concen: 21.393 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

Tot Ion: 63 Resp: 92230
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4

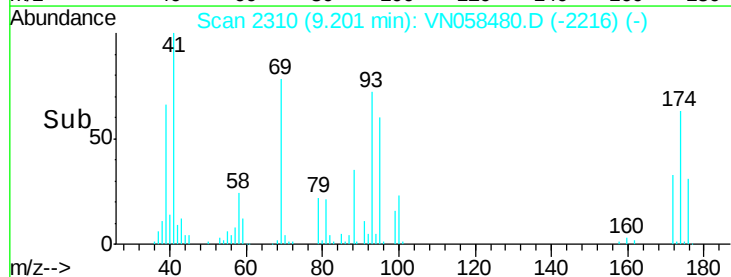
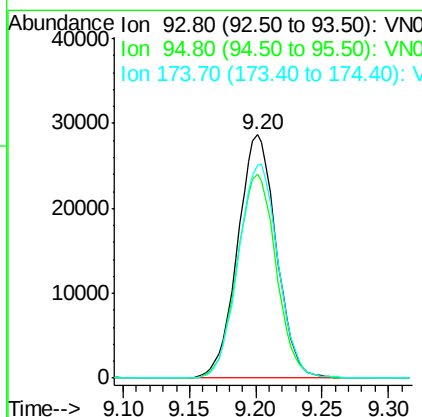
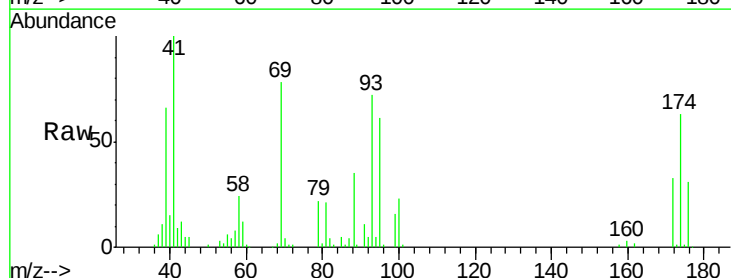
Manual Integrations
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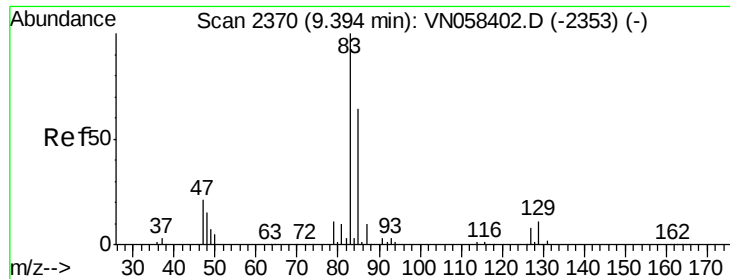
MMDadoda
 10/3/2019 1:35:48 PM



#46
 Dibromomethane
 Concen: 21.250 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion: 93 Resp: 58018
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.0 100.4
 174 90.5 74.2 111.2





#47

Bromodichloromethane

Concen: 22.576 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD01

Tot Ion: 83 Resp: 116782

Ion Ratio Lower Upper

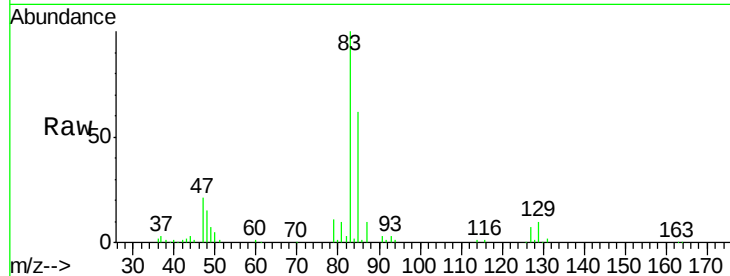
83 100

85 62.4 51.2 76.8

127 7.0 6.3 9.5

Manual Integrations
APPROVED

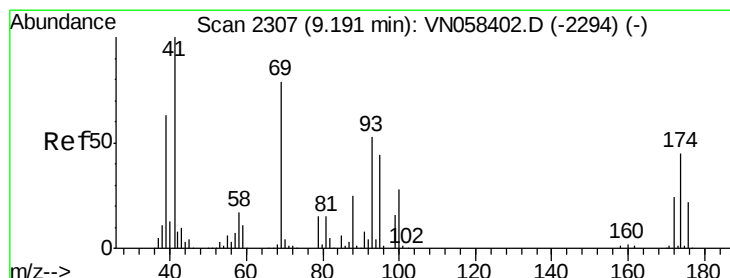
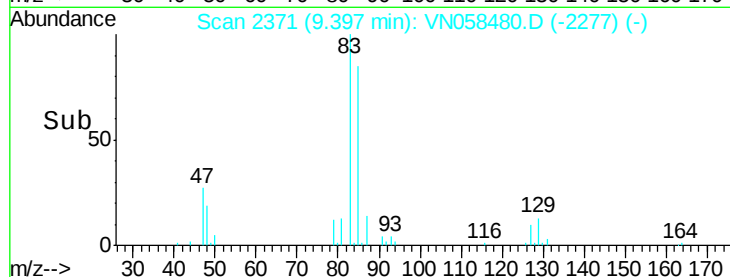
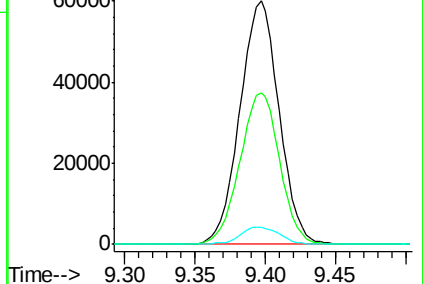
MMDadoda
10/3/2019 1:35:48 PM



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 22.315 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

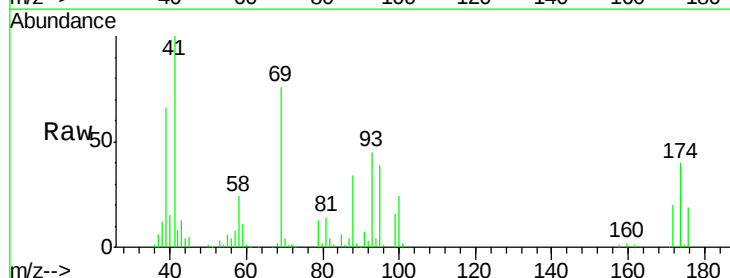
Tgt Ion: 41 Resp: 90593

Ion Ratio Lower Upper

41 100

69 81.1 64.7 97.1

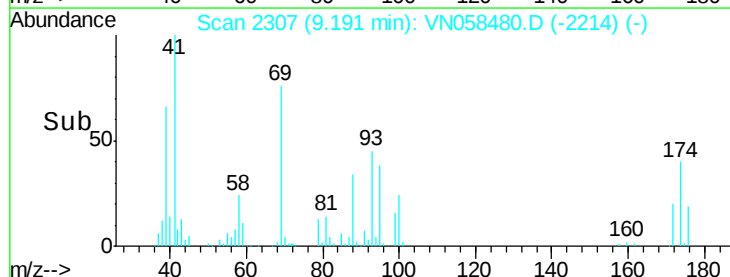
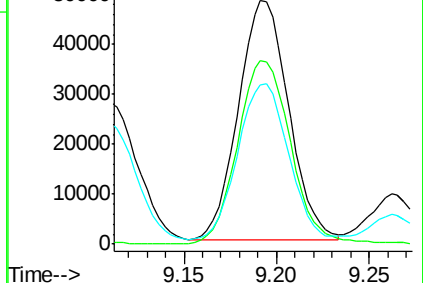
39 68.5 52.9 79.3

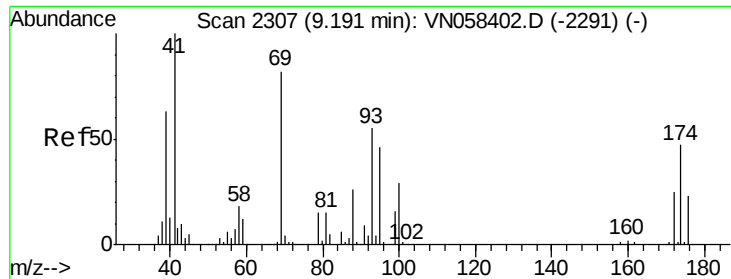


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#49

1,4-Dioxane

Concen: 634.170 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

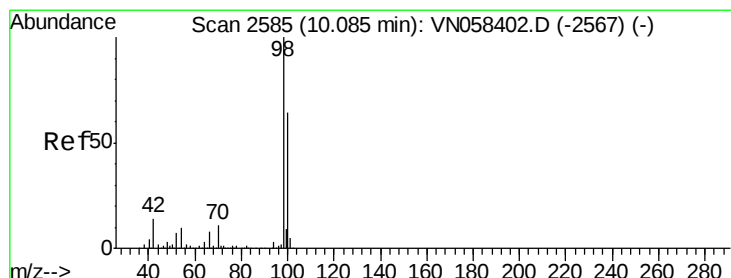
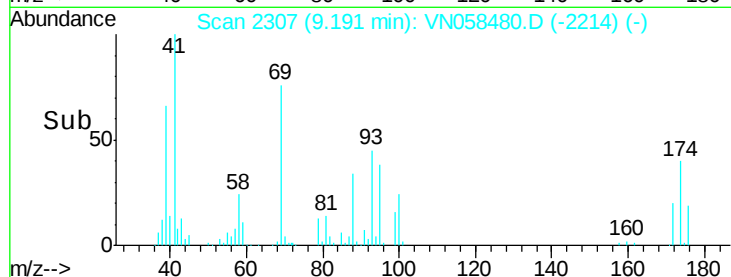
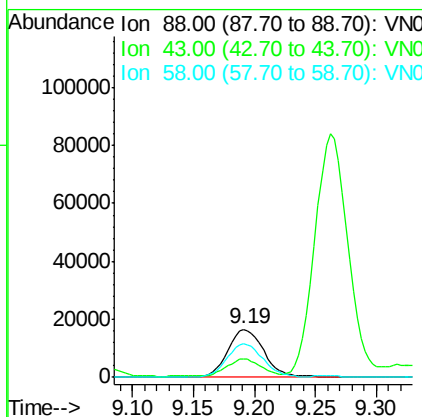
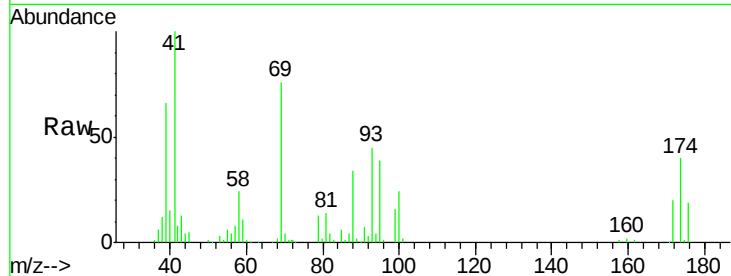
ClientSampleId :

VN1002WBSD01

Tot Ion:	88	Resp:	34426
Ion	Ratio	Lower	Upper
88	100		
43	34.7	31.1	46.7
58	70.3	58.1	87.1

Manual Integrations
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#50

Toluene-d8

Concen: 51.111 ug/l

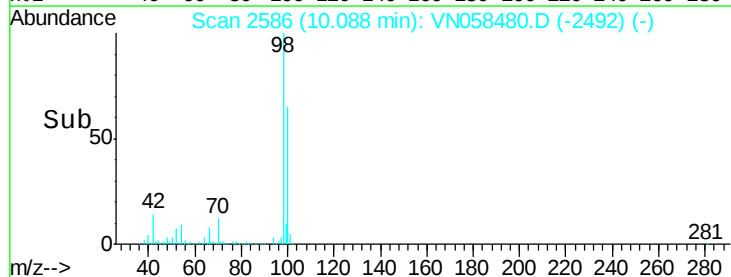
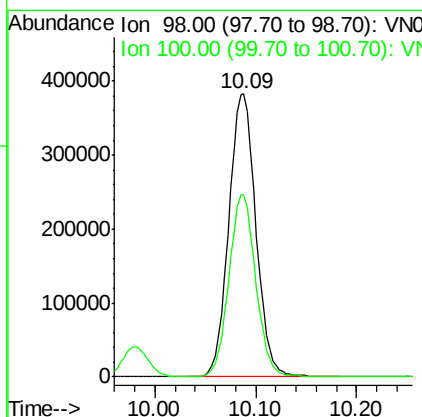
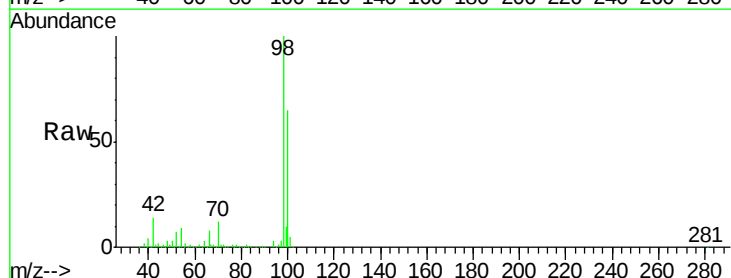
RT: 10.09 min Scan# 2586

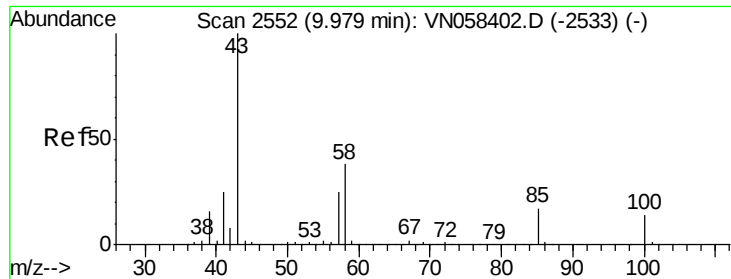
Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Tgt Ion:	98	Resp:	717692
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 127.234 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD01

Tot Ion: 43 Resp: 582704

Ion Ratio Lower Upper

43 100

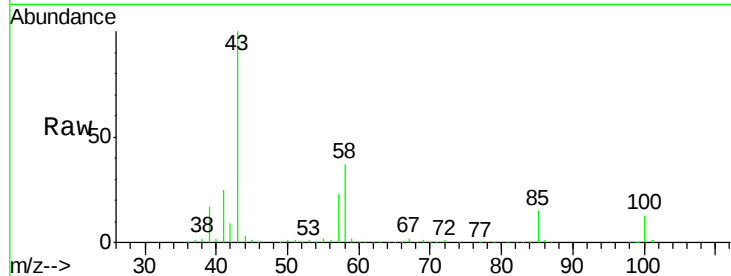
58 37.0 30.2 45.2

Manual Integrations

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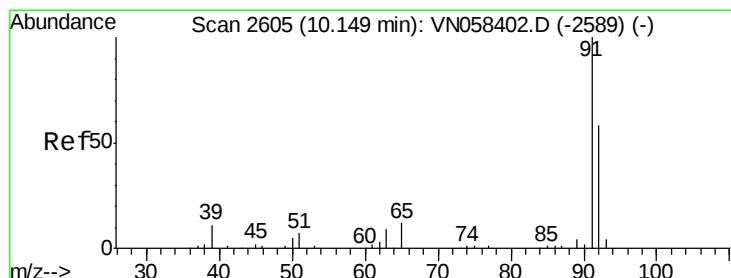
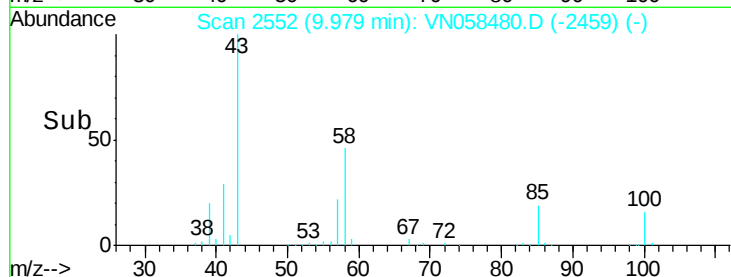
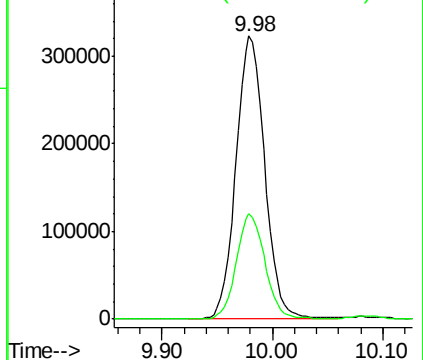
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.346 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058480.D

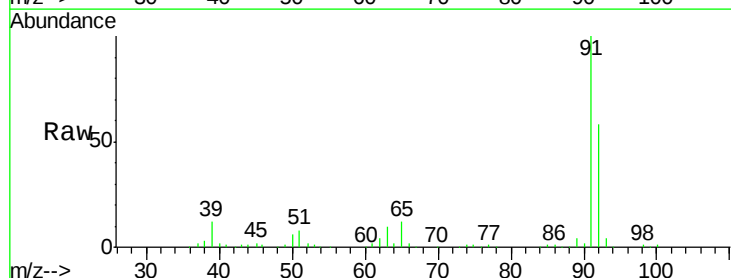
Acq: 2 Oct 2019 17:23

Tgt Ion: 92 Resp: 205858

Ion Ratio Lower Upper

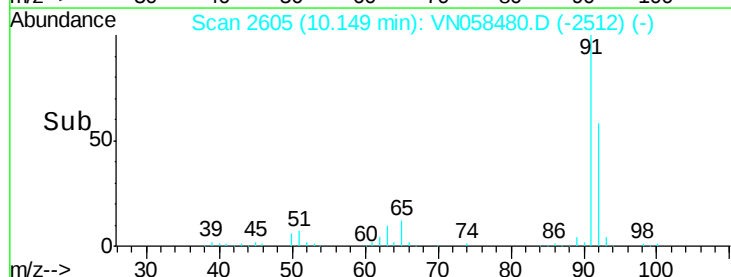
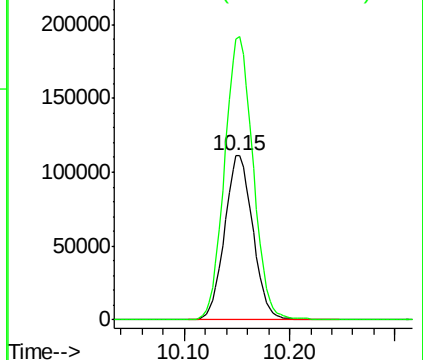
92 100

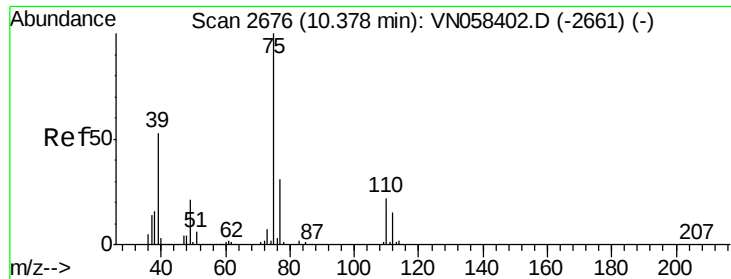
91 174.0 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





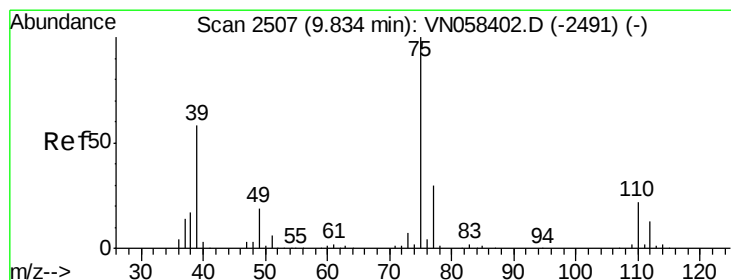
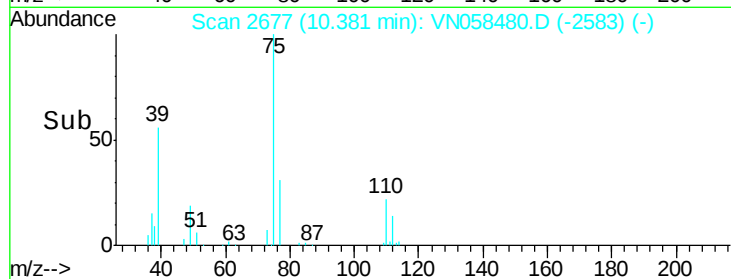
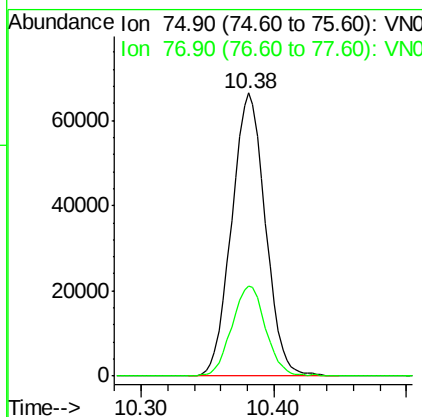
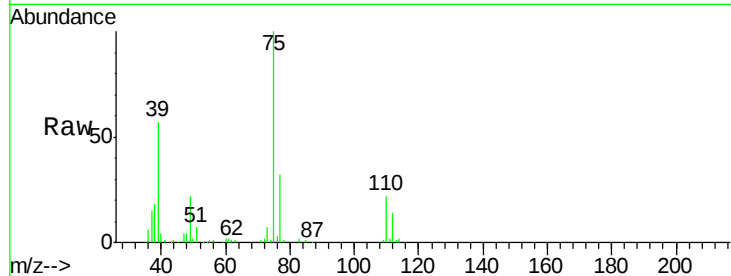
#53
t-1,3-Dichloropropene
Concen: 20.854 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

Tot Ion: 75 Resp: 117417
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8

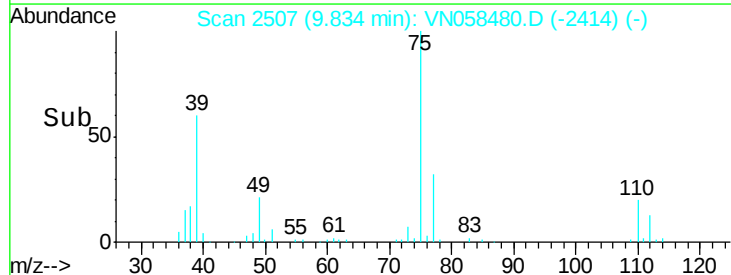
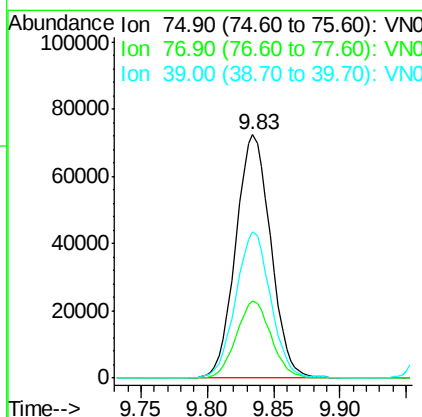
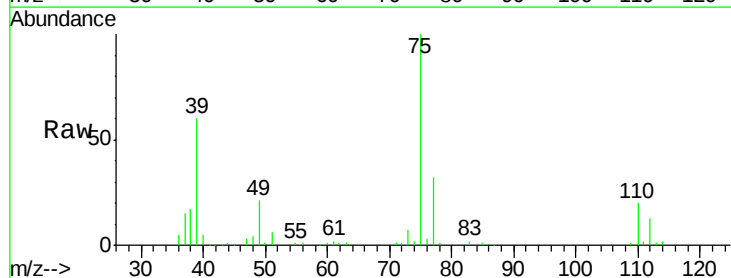
Manual Integrations
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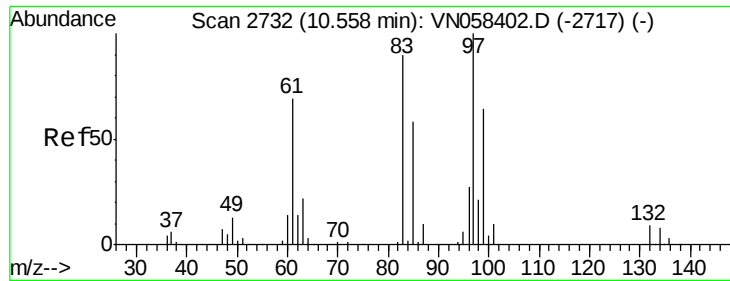
MMDadoda
10/3/2019 1:35:48 PM



#54
cis-1,3-Dichloropropene
Concen: 21.315 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion: 75 Resp: 133219
Ion Ratio Lower Upper
75 100
77 31.6 24.2 36.4
39 59.6 46.4 69.6





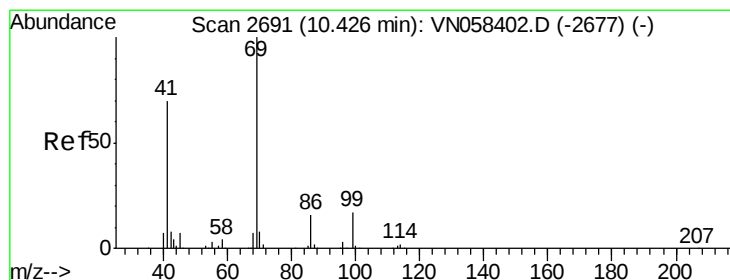
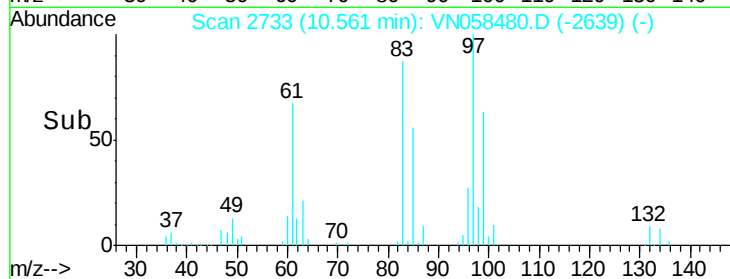
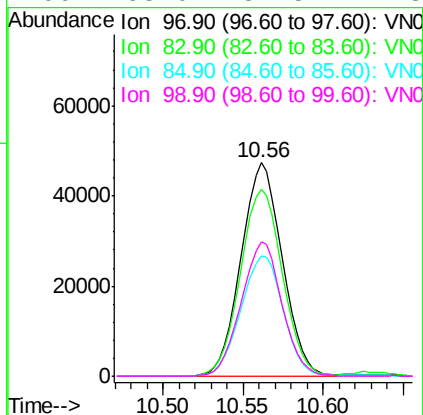
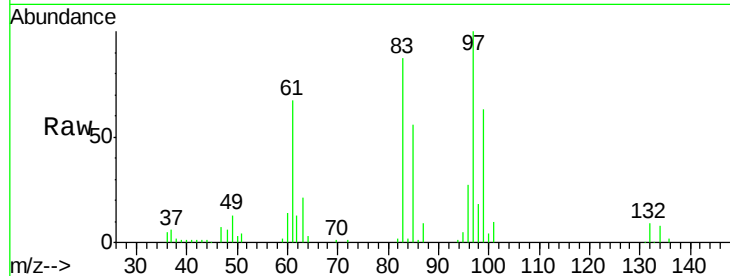
#55
 1,1,2-Trichloroethane
 Concen: 22.600 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.3	71.8	107.6
85	56.1	46.6	69.8
99	63.0	51.5	77.3

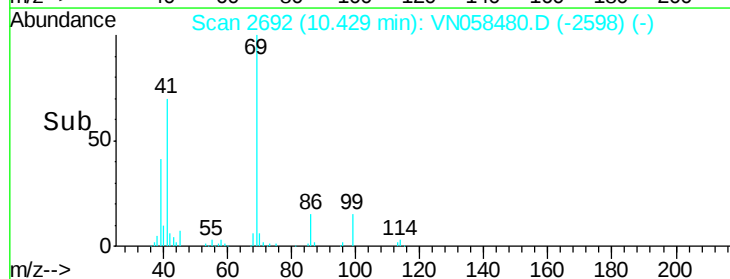
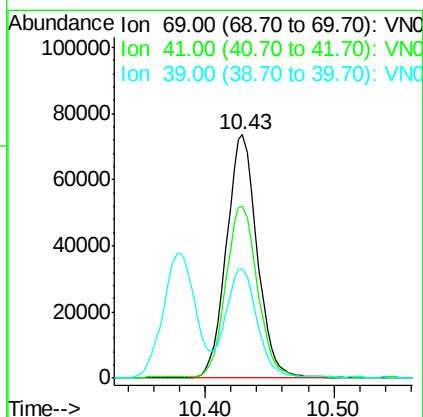
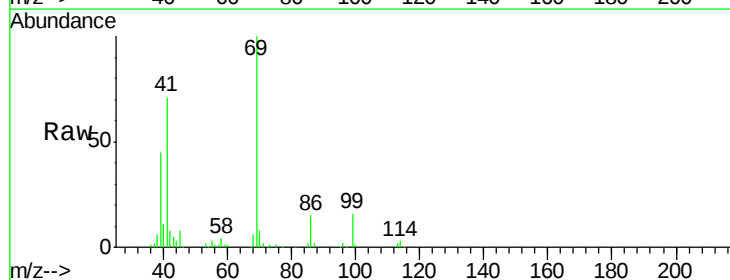
Manual Integrations
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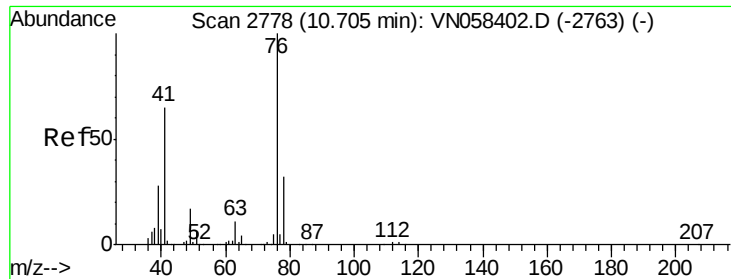
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 21.807 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.6	56.3	84.5
39	46.1	35.8	53.6





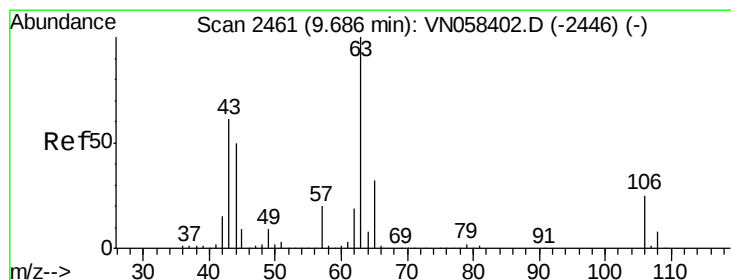
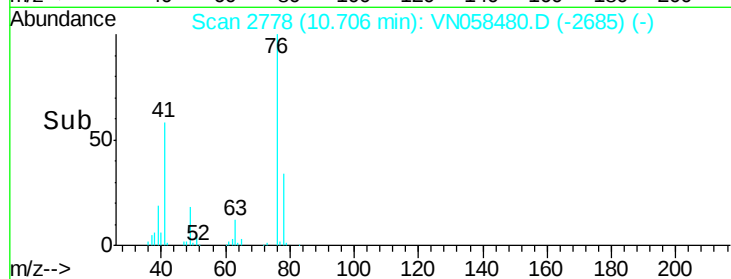
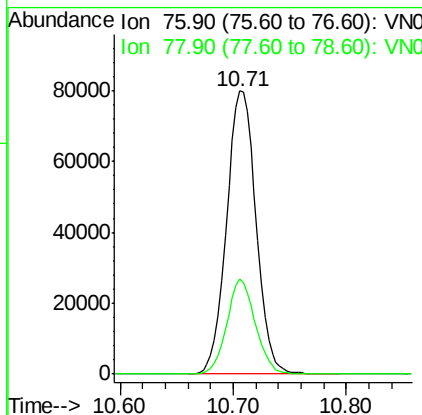
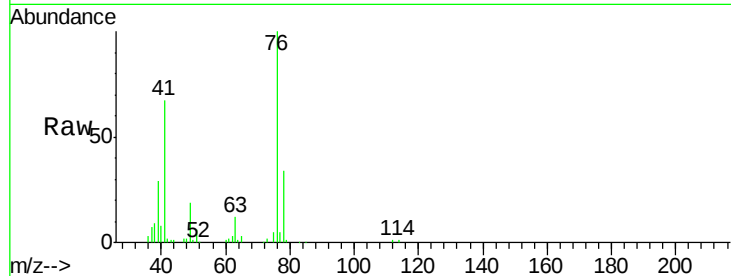
#57
 1,3-Dichloropropane
 Concen: 22.023 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.7	38.5

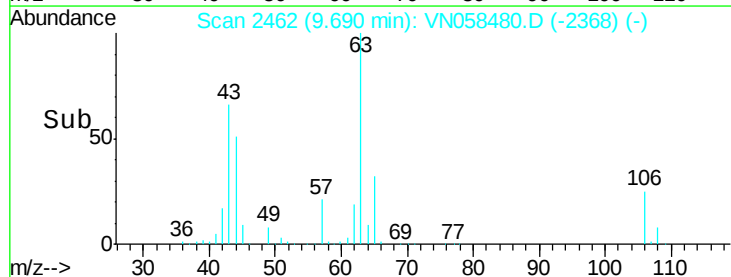
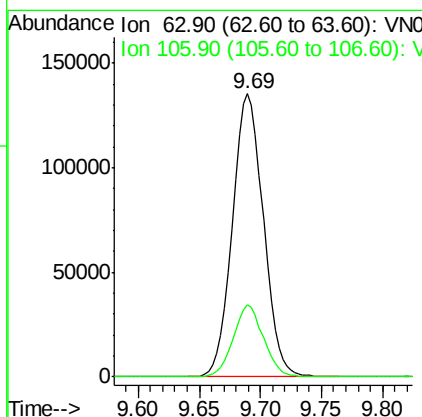
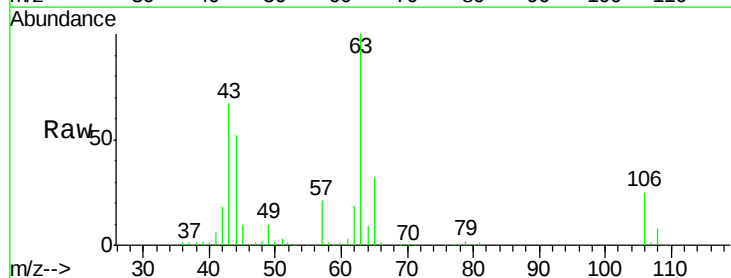
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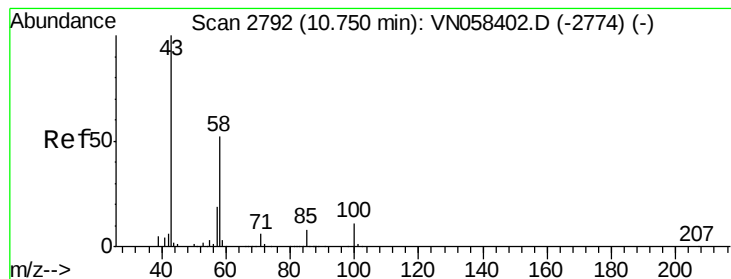
MMDadoda
 10/3/2019 1:35:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.140 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.7	20.3	30.5





#59

2-Hexanone

Concen: 126.467 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD01

Tot Ion: 43 Resp: 421739

Ion Ratio Lower Upper

43 100

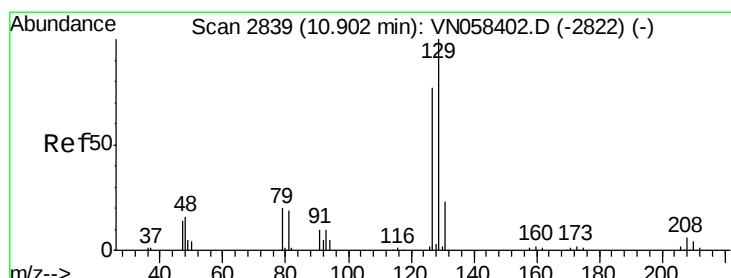
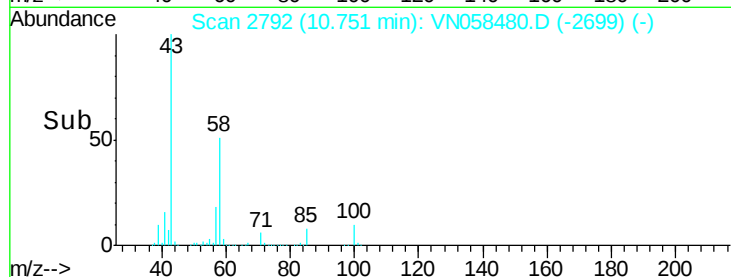
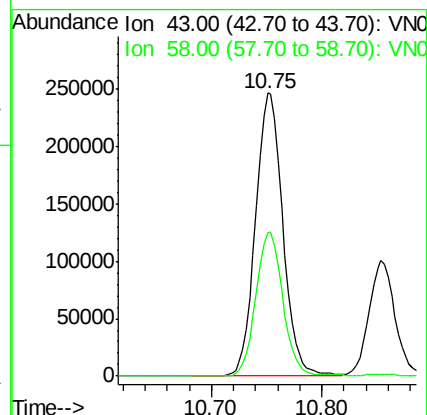
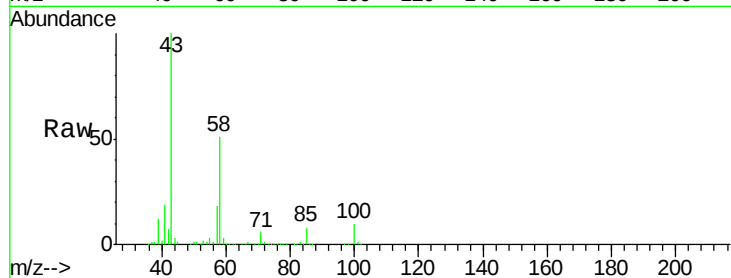
58 50.7 25.8 77.3

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#60

Dibromochloromethane

Concen: 20.122 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058480.D

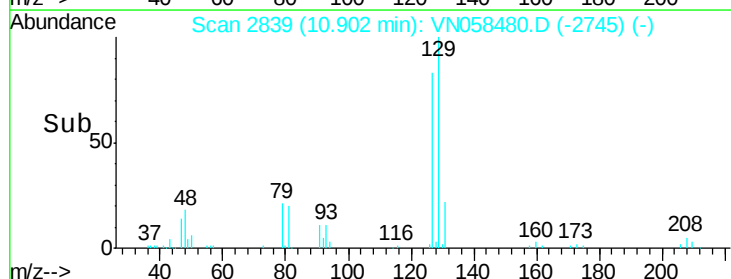
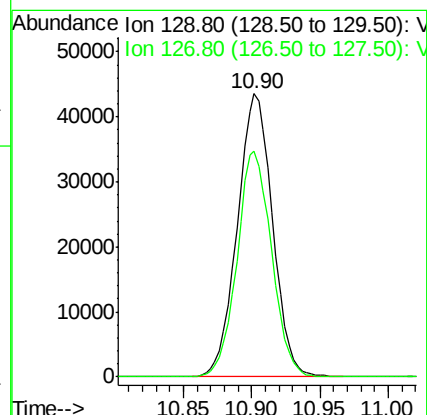
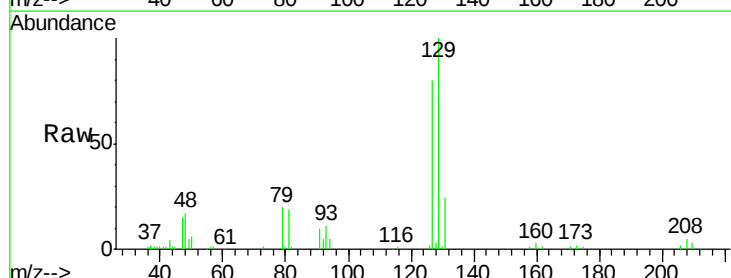
Acq: 2 Oct 2019 17:23

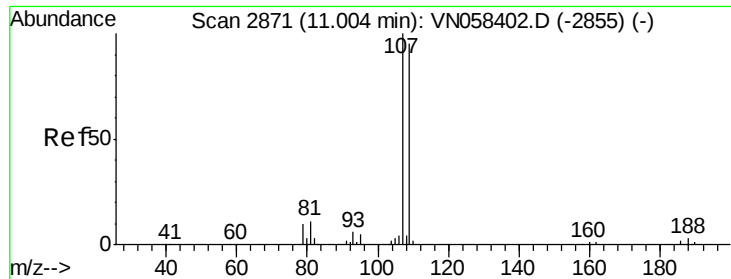
Tgt Ion: 129 Resp: 78026

Ion Ratio Lower Upper

129 100

127 78.0 38.3 114.8





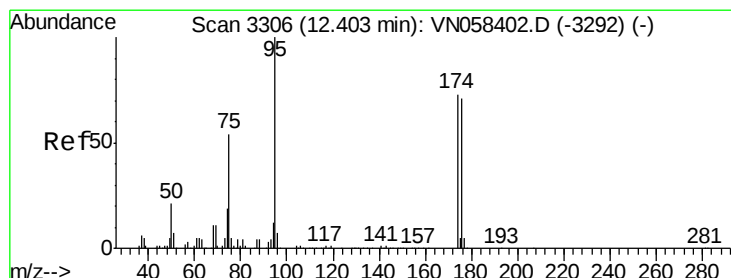
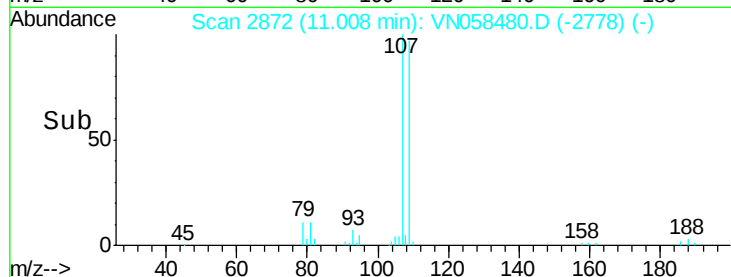
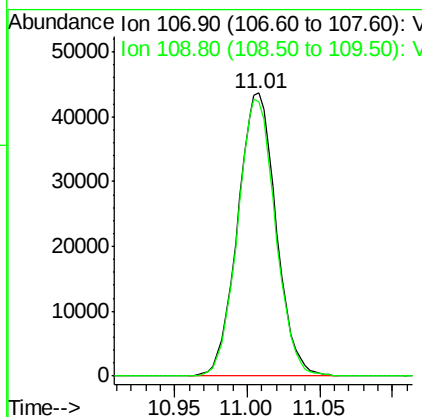
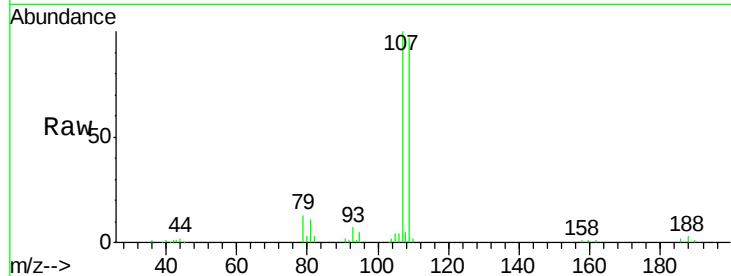
#61
 1,2-Dibromoethane
 Concen: 21.305 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	75.3	112.9

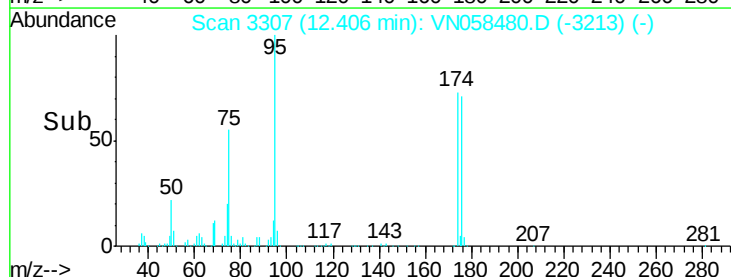
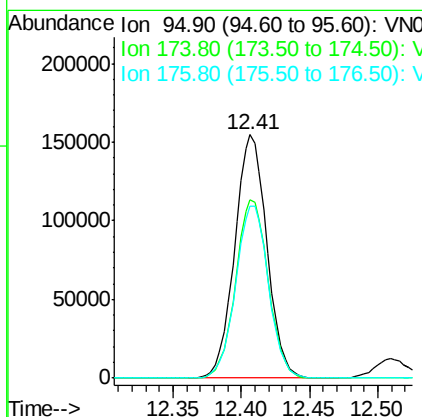
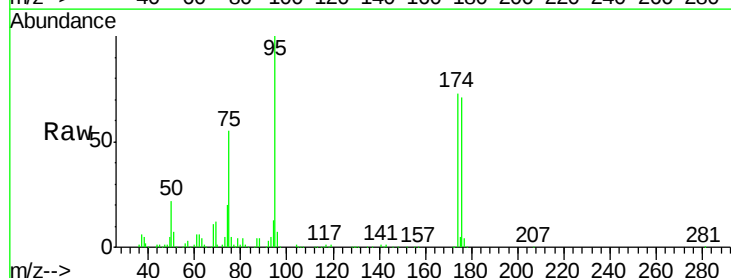
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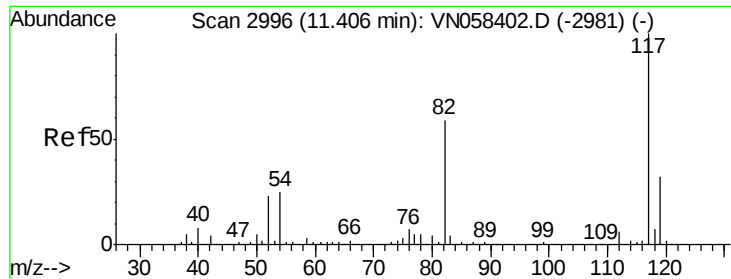
MMDadoda
 10/3/2019 1:35:48 PM



#62
 4-Bromofluorobenzene
 Concen: 49.643 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	150.6
176	72.6	0.0	146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

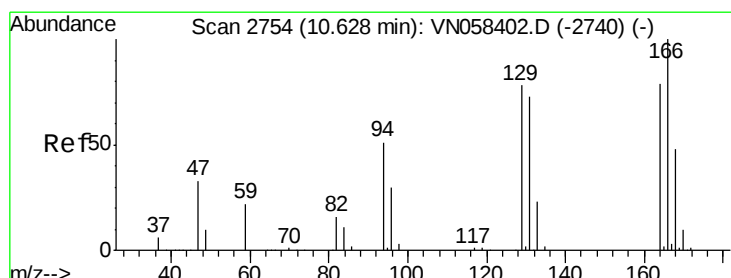
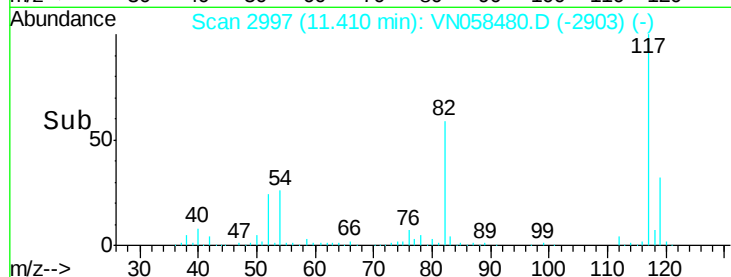
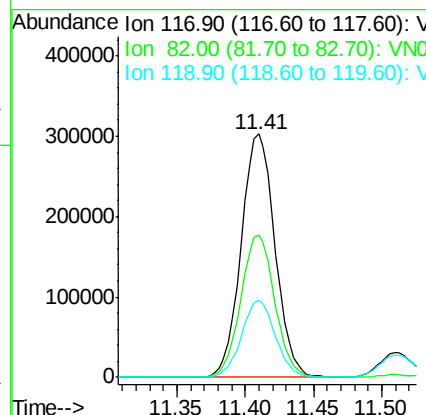
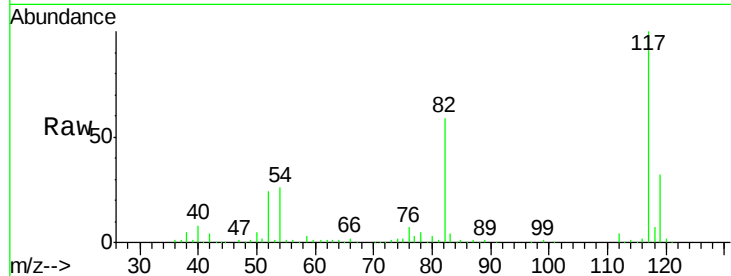
ClientSampleId :

VN1002WBSD01

Tot Ion:	117	Resp:	520571
Ion Ratio	Lower	Upper	
117	100		
82	58.7	47.4	71.0
119	31.5	25.5	38.3

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#64

Tetrachloroethene

Concen: 20.256 ug/l

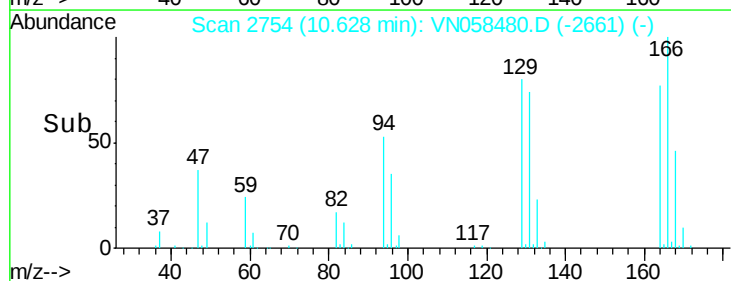
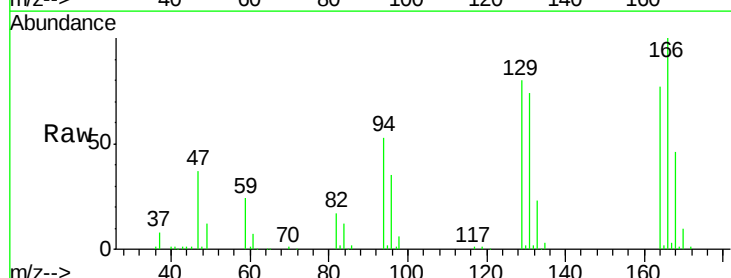
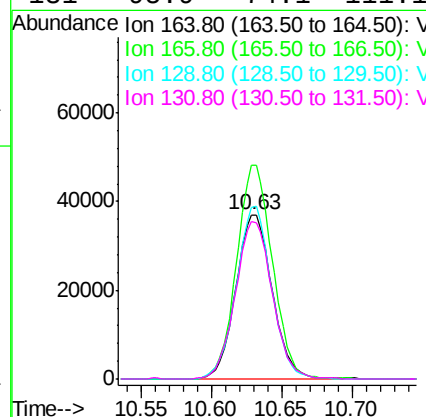
RT: 10.63 min Scan# 2754

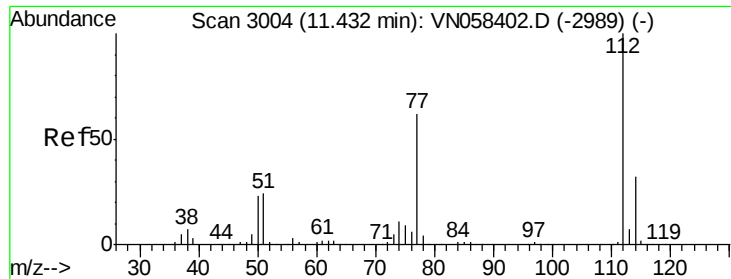
Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Tgt Ion:	164	Resp:	66993
Ion Ratio	Lower	Upper	
164	100		
166	129.9	101.1	151.7
129	104.2	79.2	118.8
131	95.9	74.1	111.1





#65

Chlorobenzene

Concen: 20.508 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampled :

VN1002WBSD01

Tot Ion:112 Resp: 212213

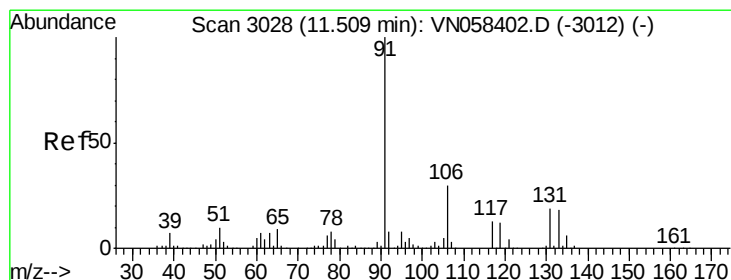
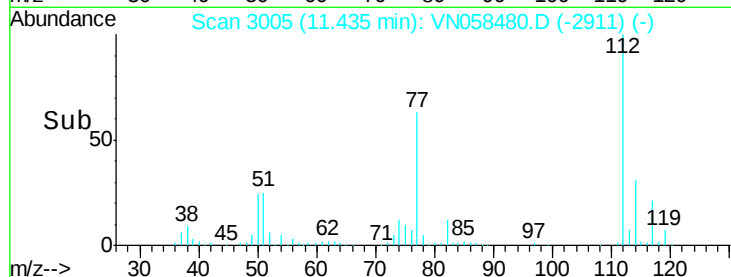
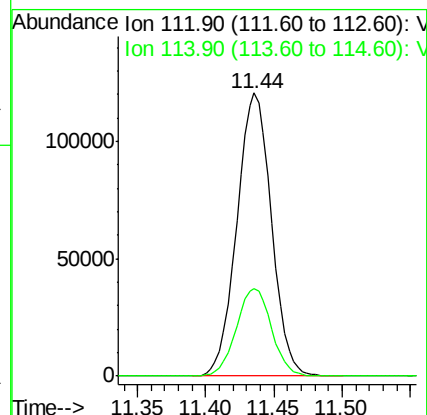
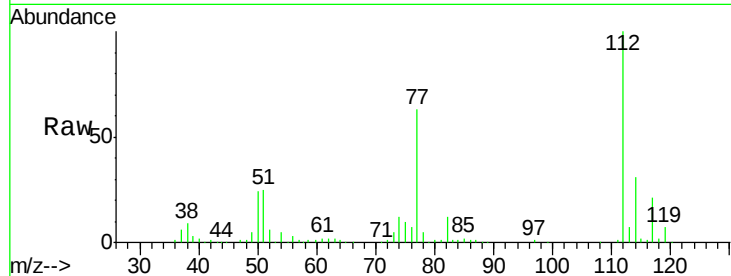
Ion Ratio Lower Upper

112 100

114 30.9 25.4 38.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.874 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

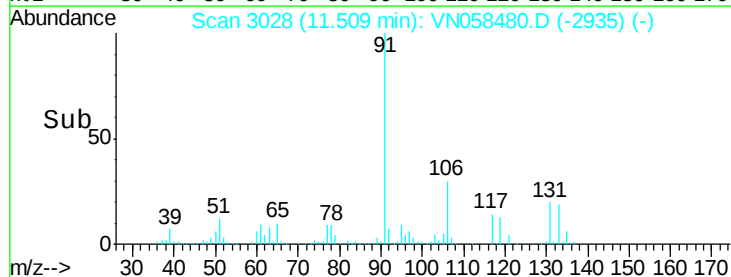
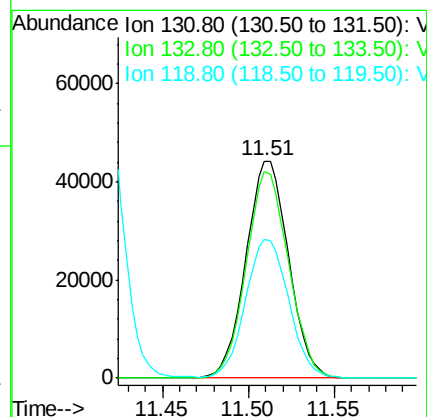
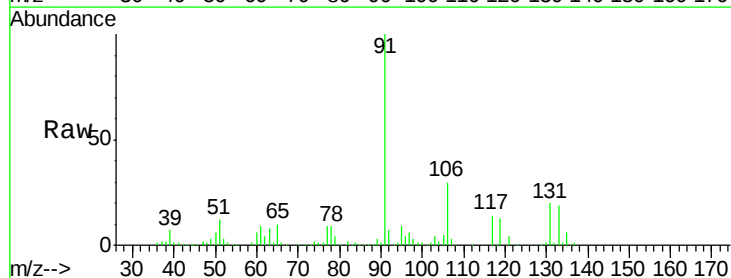
Tgt Ion:131 Resp: 76261

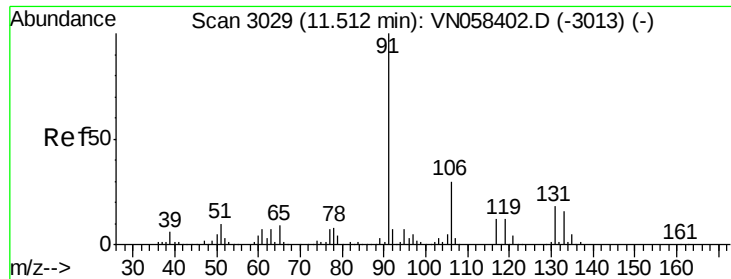
Ion Ratio Lower Upper

131 100

133 94.5 47.8 143.3

119 65.1 33.0 99.0





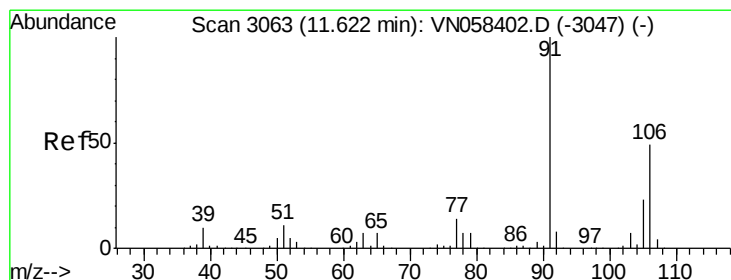
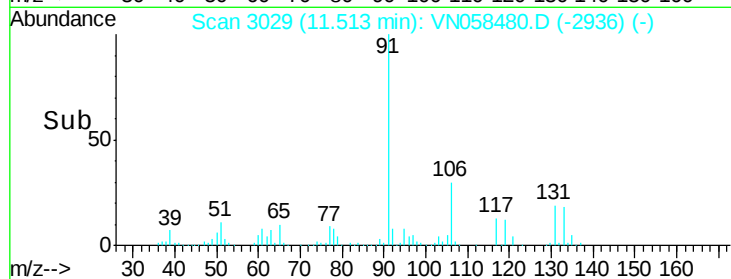
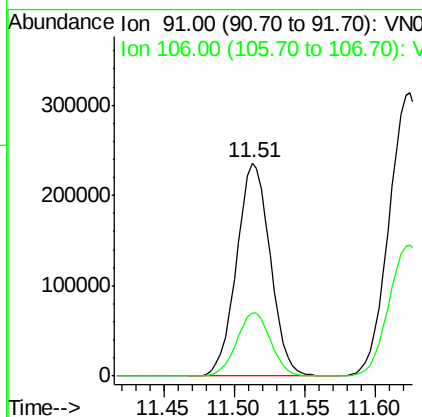
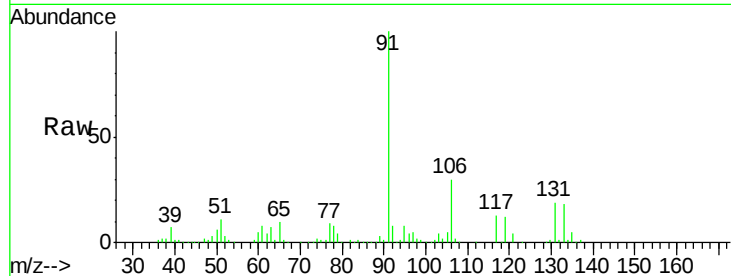
#67
Ethyl Benzene
Concen: 21.077 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampled :
VN1002WBSD01

Tot Ion: 91 Resp: 395034
Ion Ratio Lower Upper
91 100
106 29.9 24.3 36.5

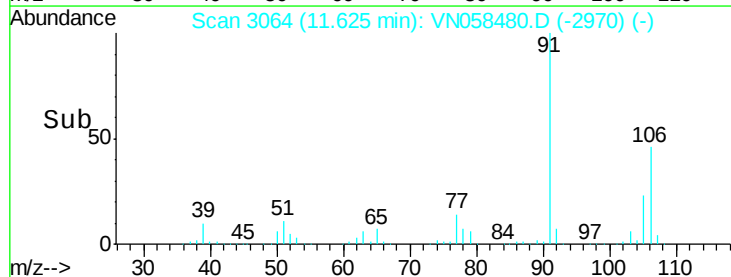
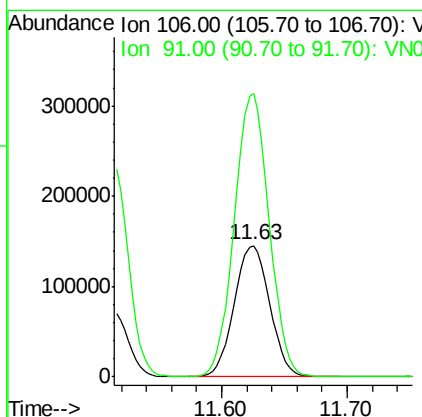
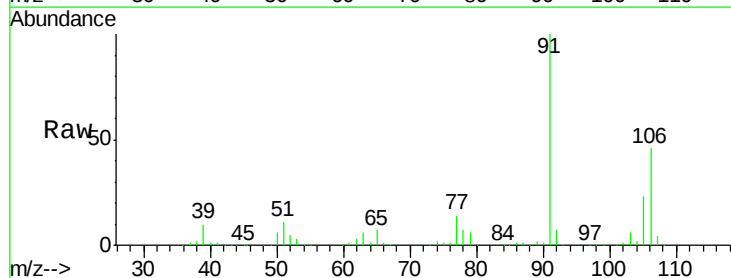
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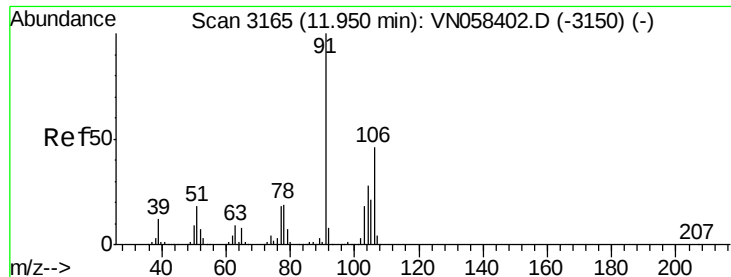
MMDadoda
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#68
m/p-Xylenes
Concen: 40.443 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion: 106 Resp: 285194
Ion Ratio Lower Upper
106 100
91 211.4 165.0 247.4





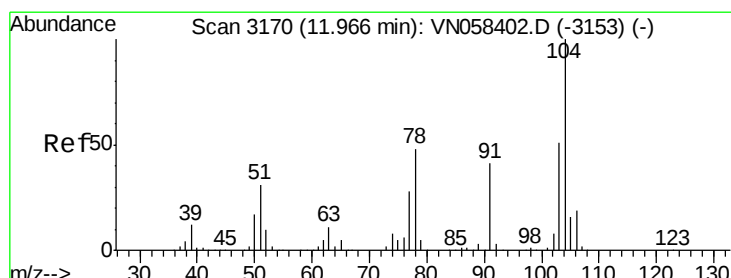
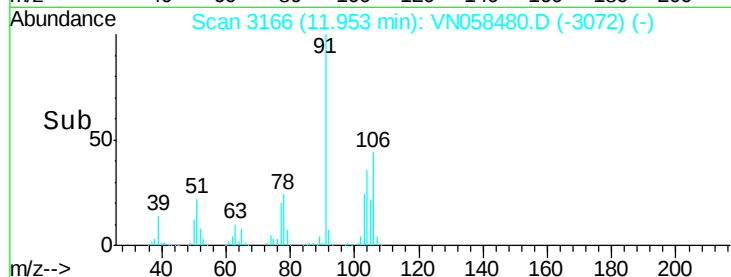
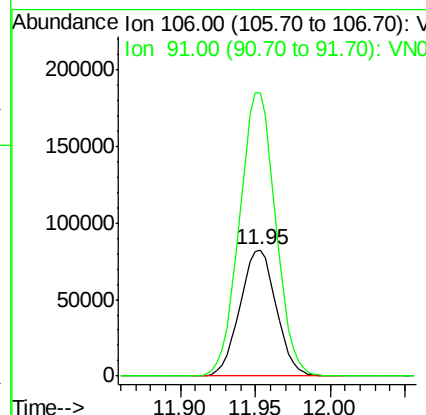
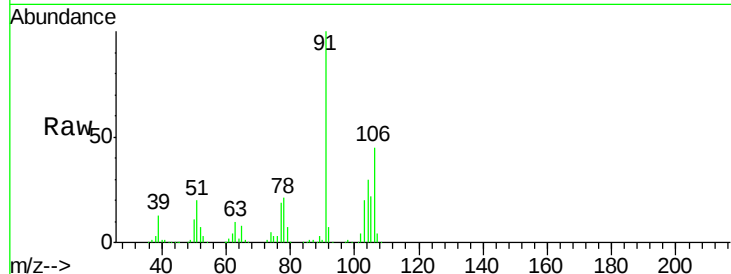
#69
o-Xylene
Concen: 20.521 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	223.7	109.1	327.4		

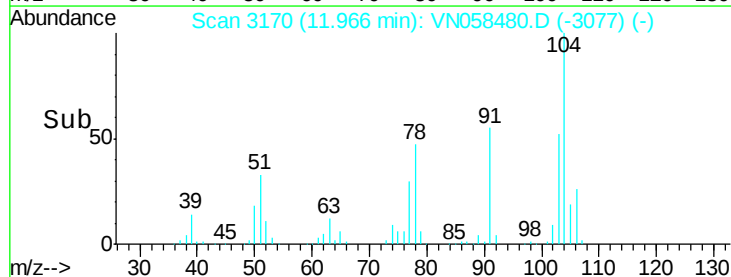
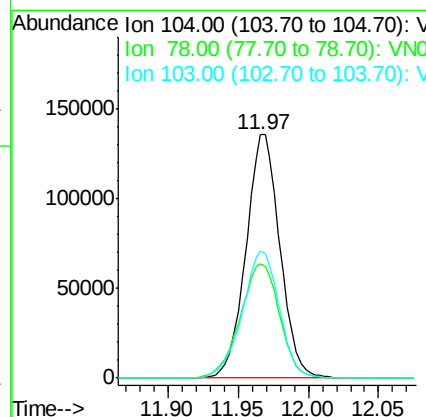
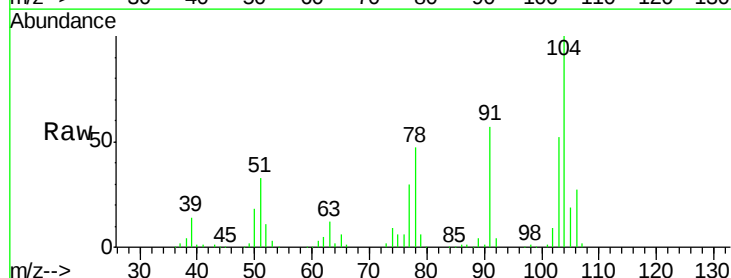
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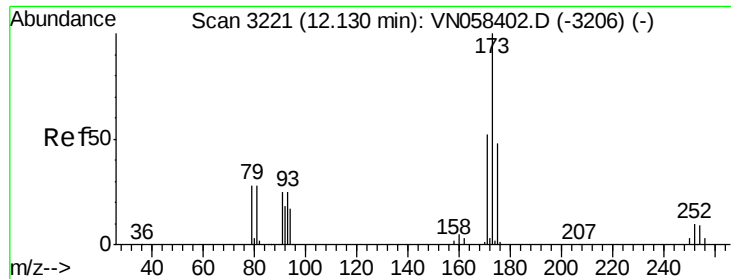
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#70
Styrene
Concen: 20.788 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	54.6	42.8	64.2		
103	56.8	43.7	65.5		





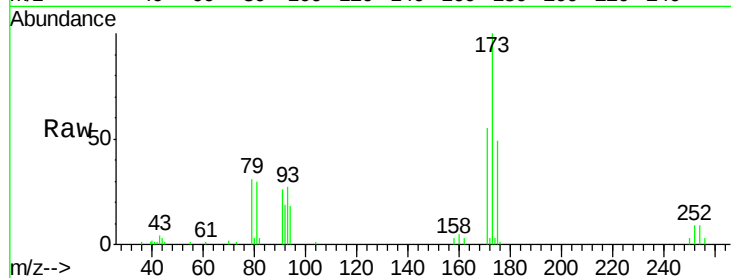
#71
Bromoform
Concen: 20.322 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampled :
VN1002WBSD01

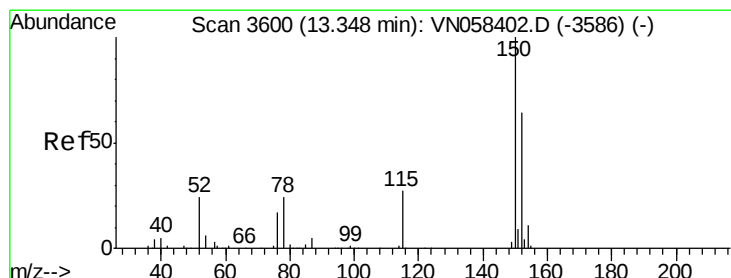
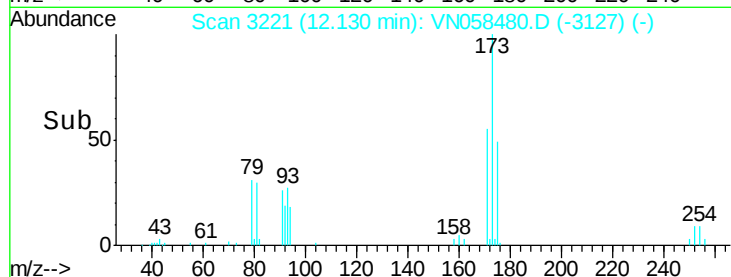
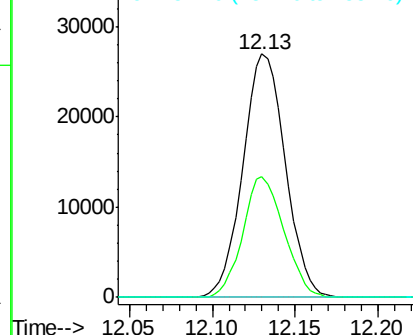
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.3	73.0
254	0.0	0.1	0.1#

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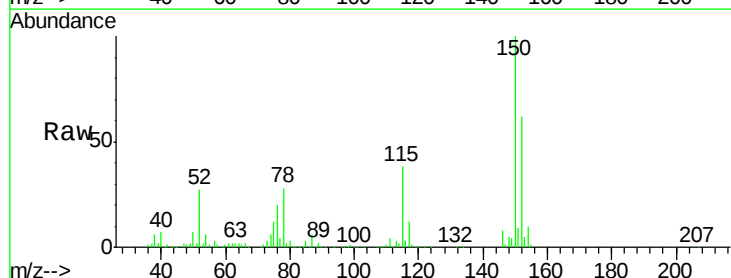


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

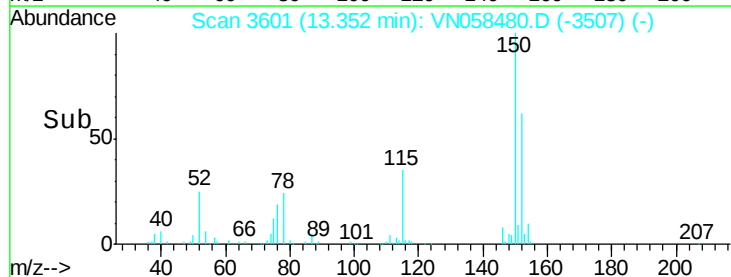
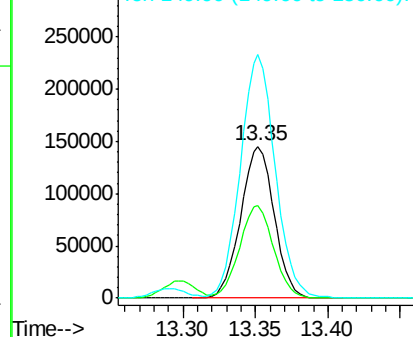


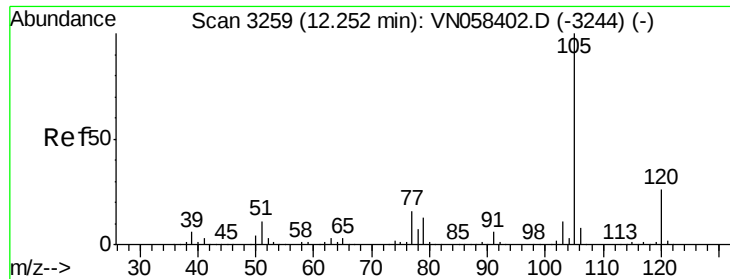
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	30.0	90.0
150	166.3	0.0	348.2



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: 21.917 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD01

Tot Ion: 105 Resp: 377761

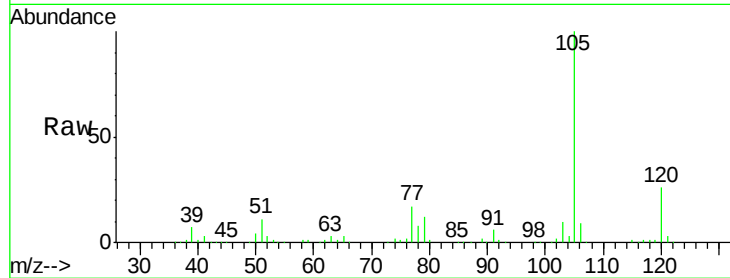
Ion Ratio Lower Upper

105 100

120 26.4 12.8 38.4

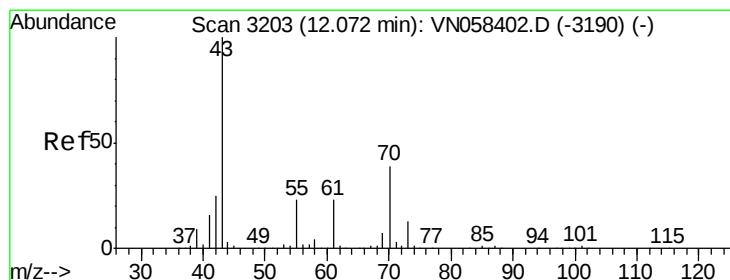
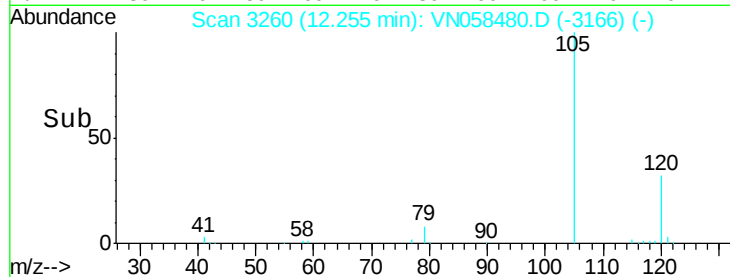
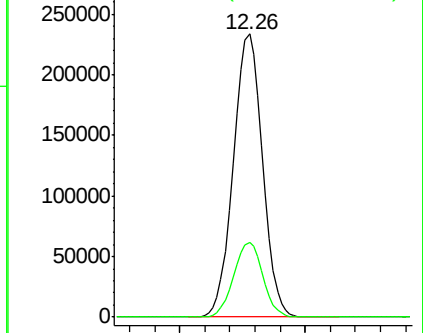
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.039 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Tgt Ion: 43 Resp: 157975

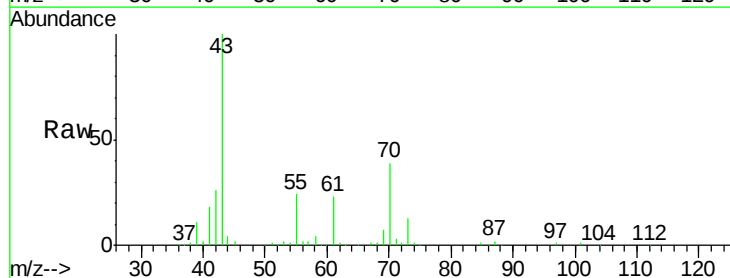
Ion Ratio Lower Upper

43 100

70 37.2 31.4 47.2

55 24.1 18.2 27.4

61 22.2 18.3 27.5

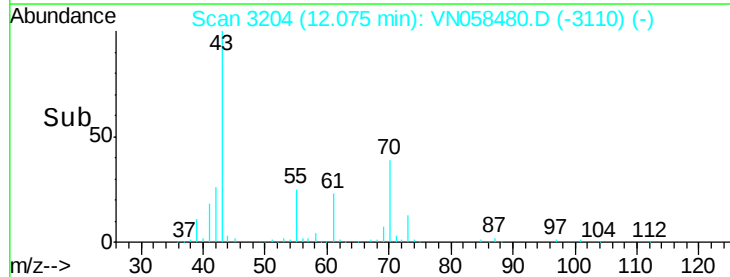
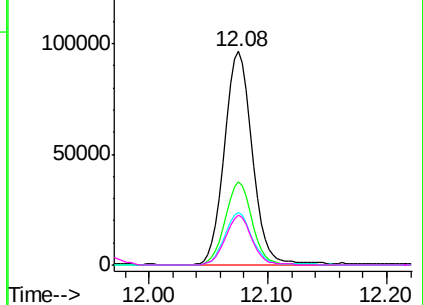


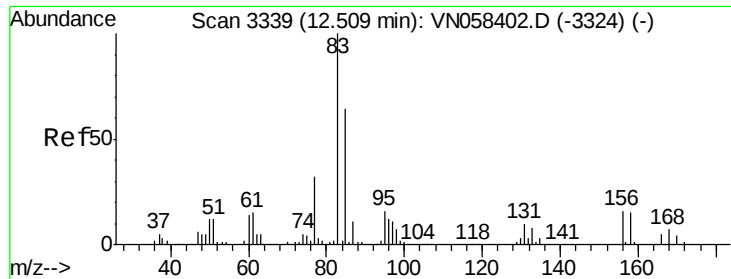
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 24.351 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

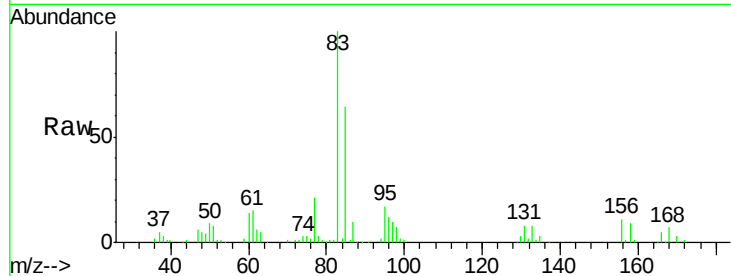
ClientSampled :

VN1002WBSD01

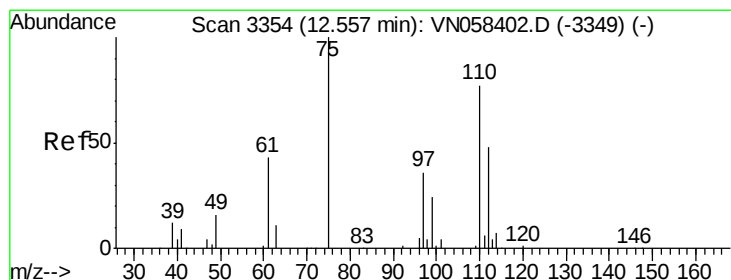
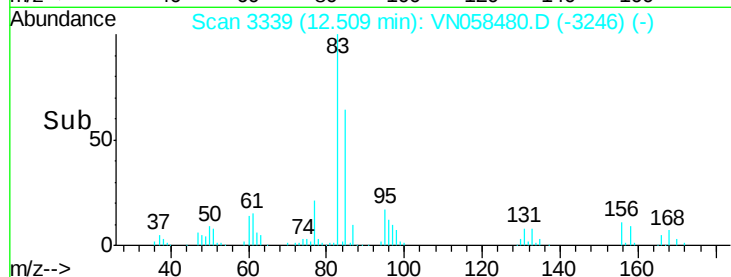
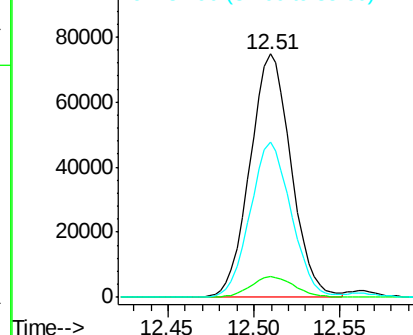
Tot Ion:	83	Resp:	124110
Ion Ratio		Lower	Upper
83	100		
131	9.1	4.9	14.7
85	63.4	32.0	96.0

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 25.228 ug/l m

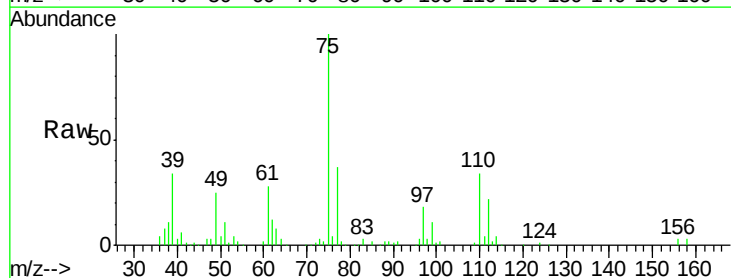
RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

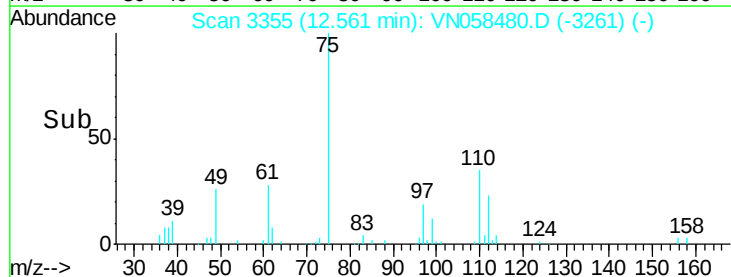
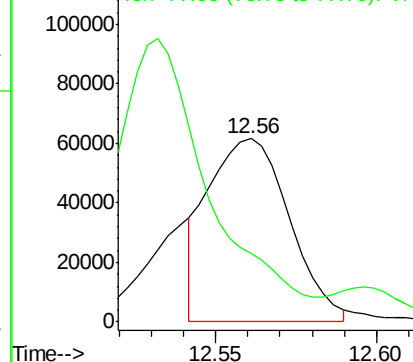
Lab File: VN058480.D

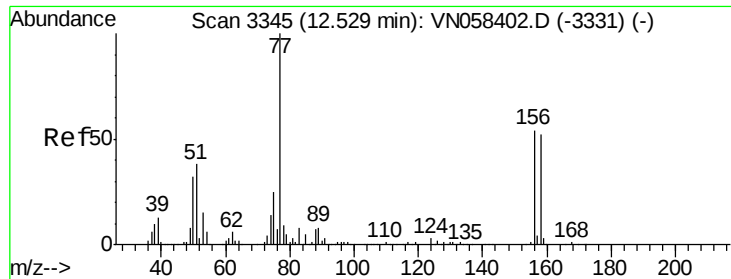
Acq: 2 Oct 2019 17:23

Tgt Ion:	75	Resp:	107466
Ion Ratio		Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 21.381 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD01

Tot Ion:156 Resp: 86409

Ion Ratio Lower Upper

156 100

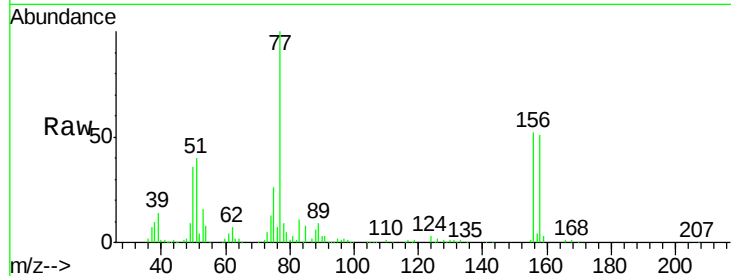
77 226.4 110.0 330.0

158 97.1 47.9 143.8

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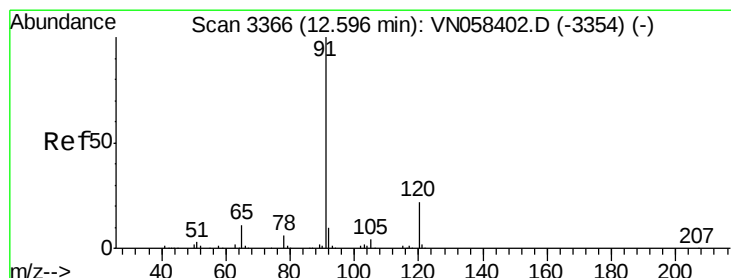
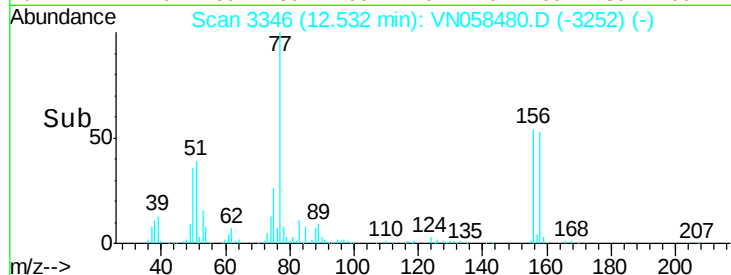
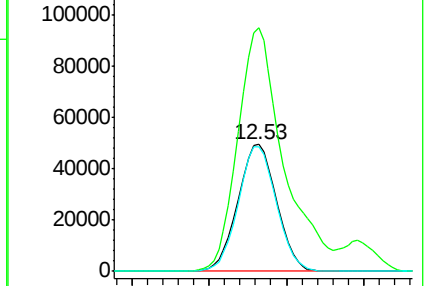
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.779 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058480.D

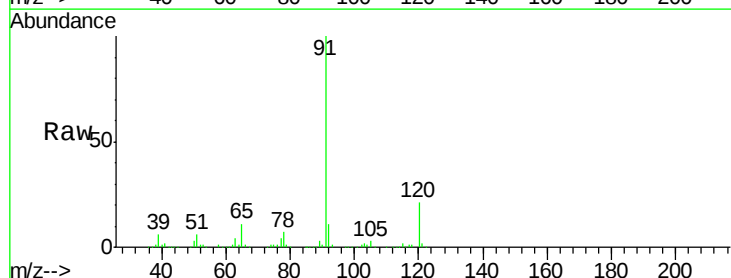
Acq: 2 Oct 2019 17:23

Tgt Ion: 91 Resp: 442317

Ion Ratio Lower Upper

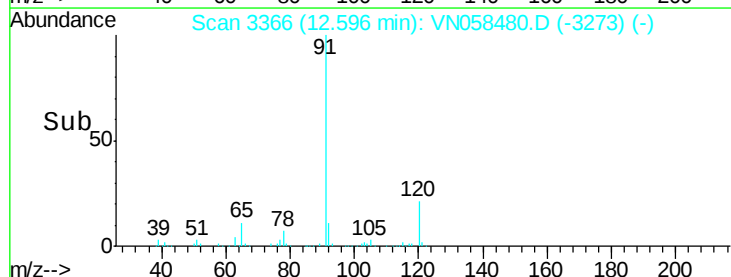
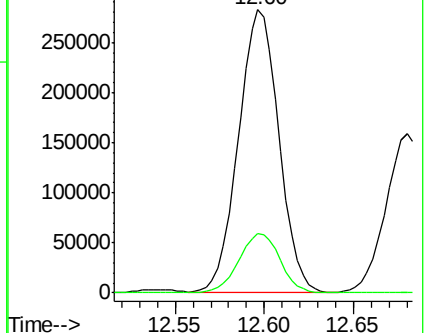
91 100

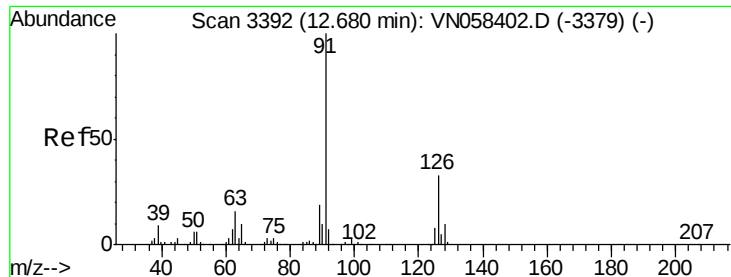
120 21.4 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.863 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD01

Tot Ion: 91 Resp: 262037

Ion Ratio Lower Upper

91 100

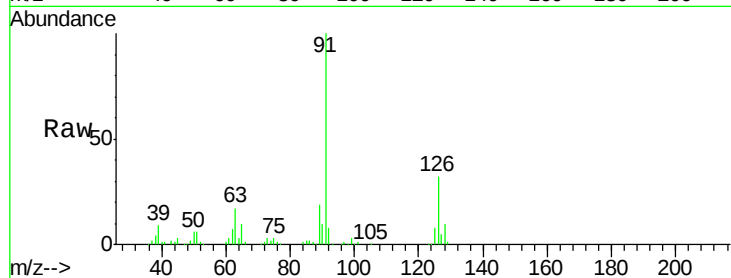
126 33.0 16.2 48.6

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Abundance Ion 91.00 (90.70 to 91.70): VN058480.D (-3299) (-)

Ion 125.90 (125.60 to 126.60): VN058480.D (-3299) (-)

250000

200000

150000

100000

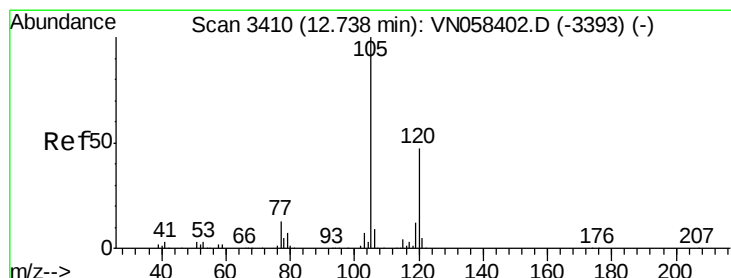
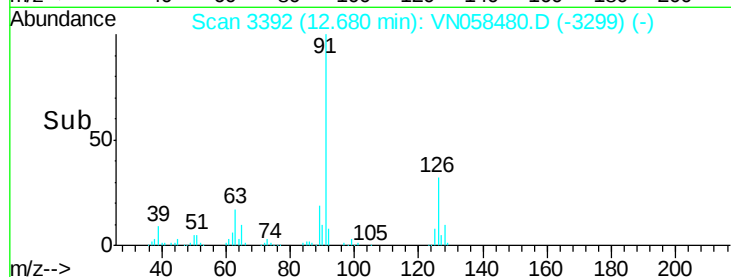
50000

0

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.941 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058480.D

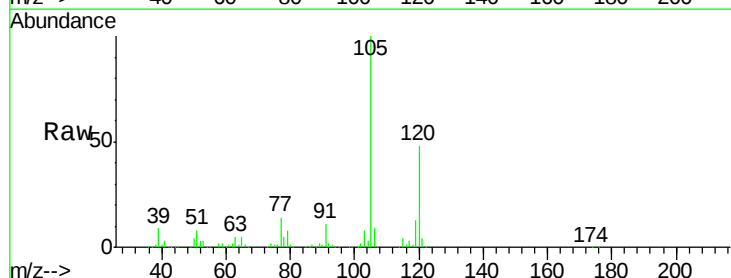
Acq: 2 Oct 2019 17:23

Tgt Ion: 105 Resp: 316570

Ion Ratio Lower Upper

105 100

120 47.6 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058480.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058480.D (-3317) (-)

200000

150000

100000

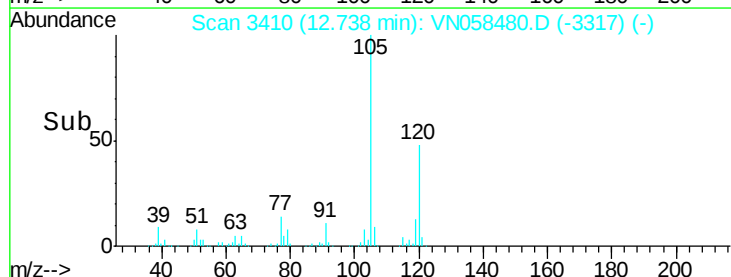
50000

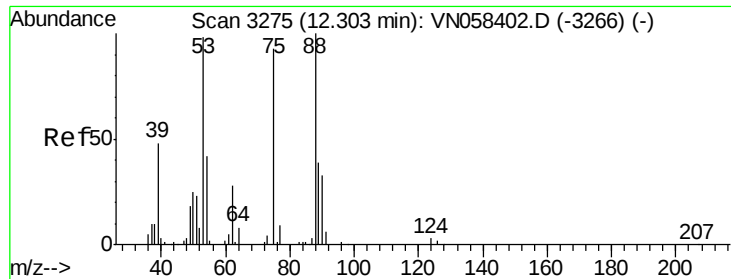
0

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.108 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

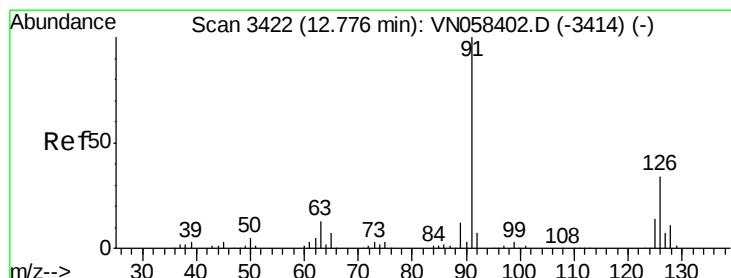
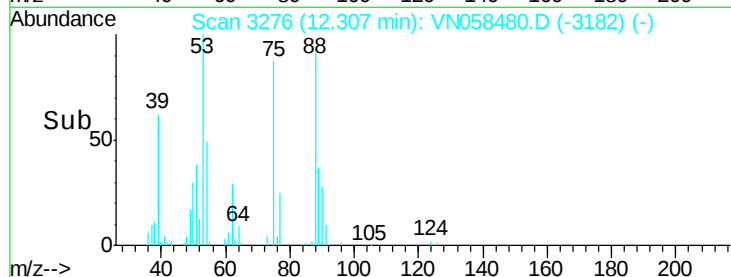
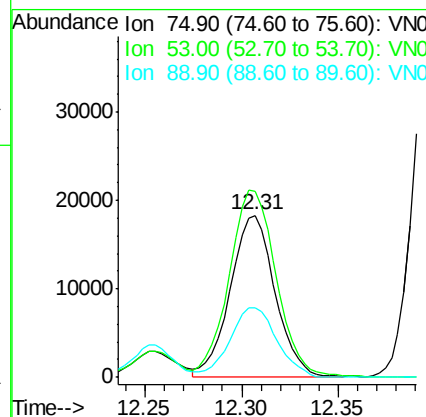
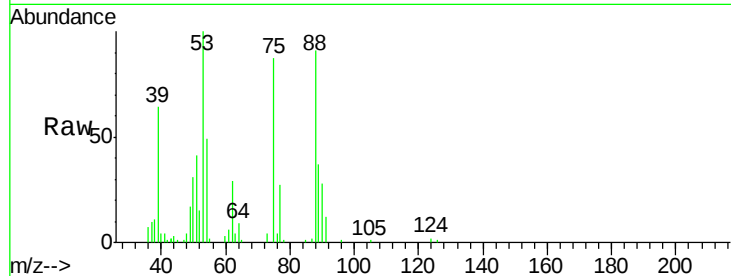
ClientSampleId :

VN1002WBSD01

Tot Ion:	75	Resp:	29606
Ion	Ratio	Lower	Upper
75	100		
53	121.6	85.4	128.0
89	45.3	35.0	52.4

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#82

4-Chlorotoluene

Concen: 21.620 ug/l

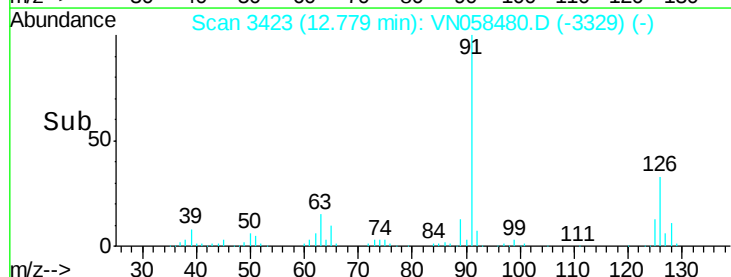
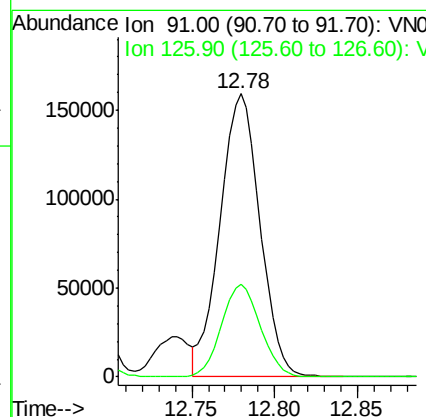
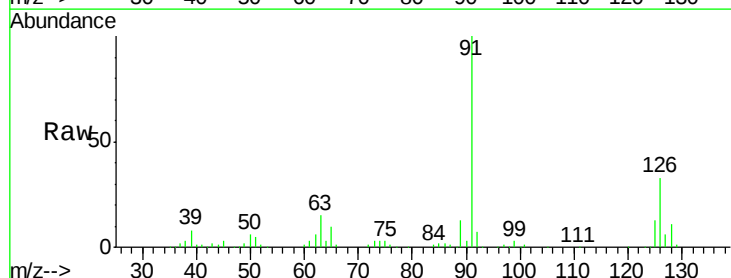
RT: 12.78 min Scan# 3423

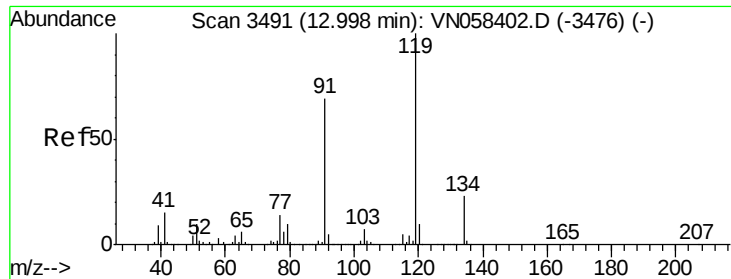
Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Tgt Ion:	91	Resp:	264416
Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.9	47.7





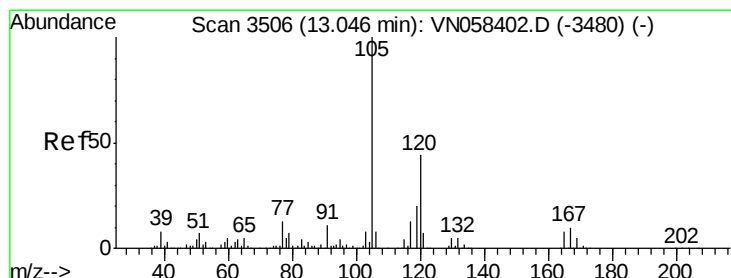
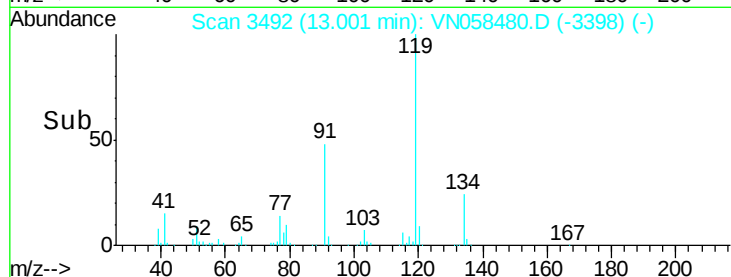
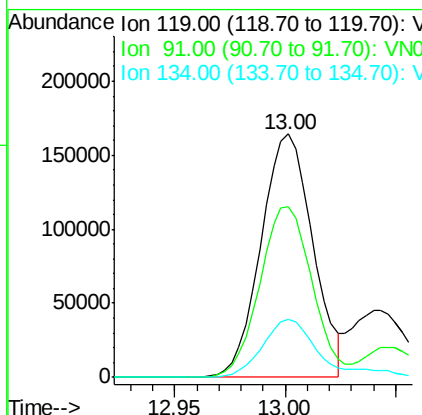
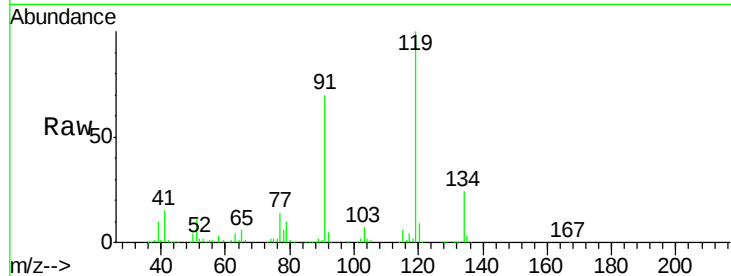
#83
tert-Butylbenzene
Concen: 21.932 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.6	34.2	102.6
134	26.5	11.6	34.8

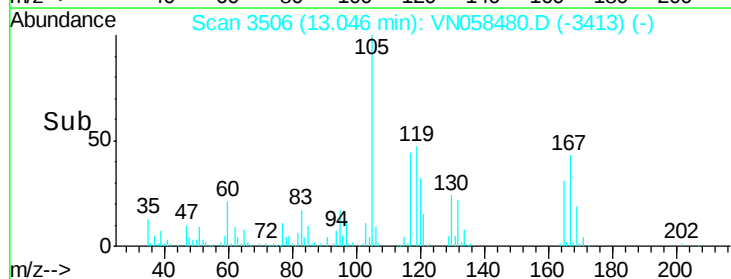
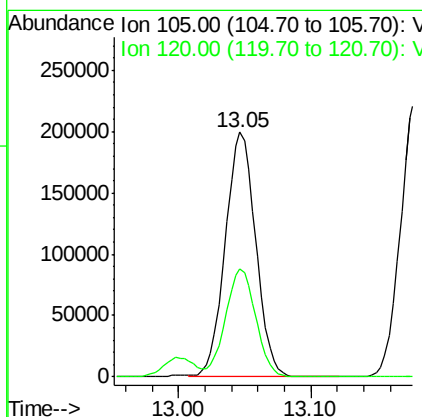
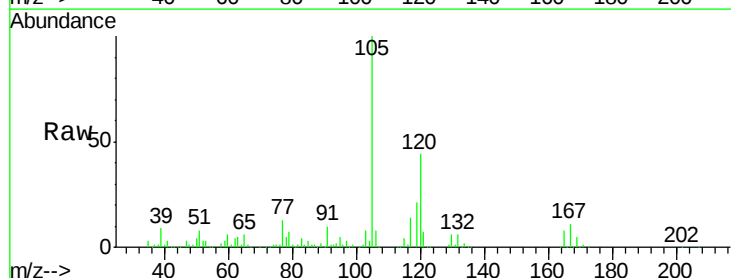
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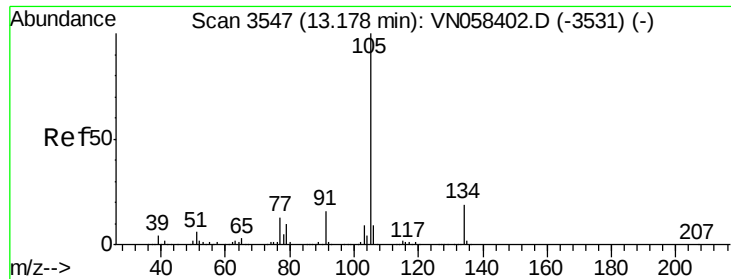
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#84
1,2,4-Trimethylbenzene
Concen: 21.952 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.7	65.1





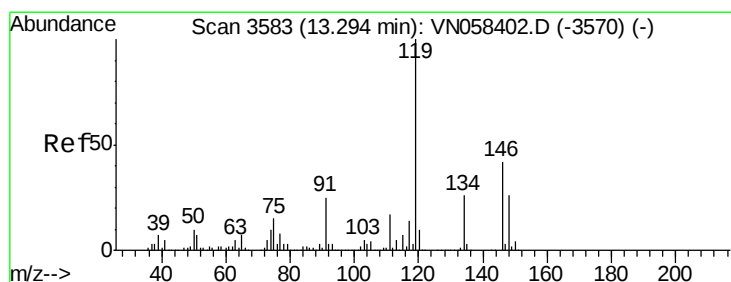
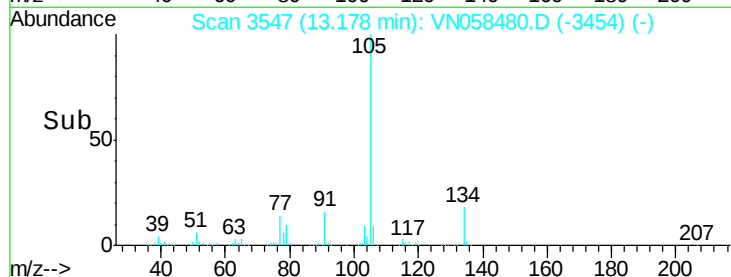
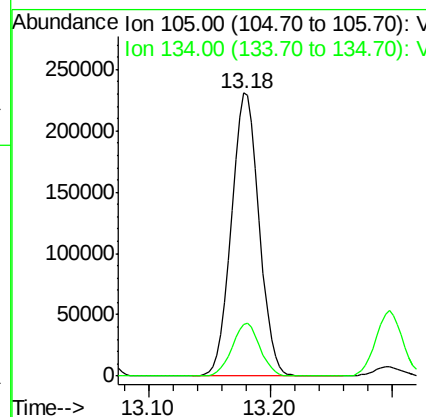
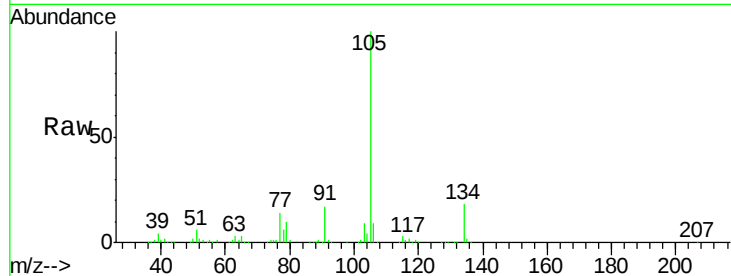
#85
 sec-Butylbenzene
 Concen: 22.882 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	366675		
134	18.7	9.4	28.2	

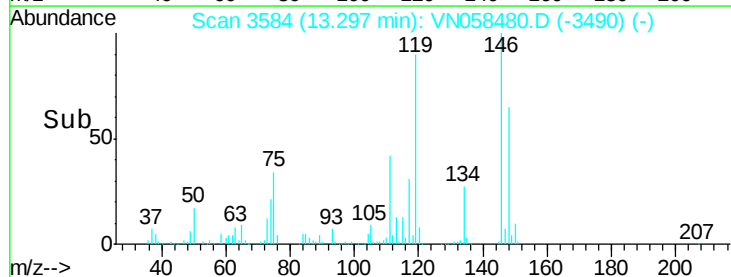
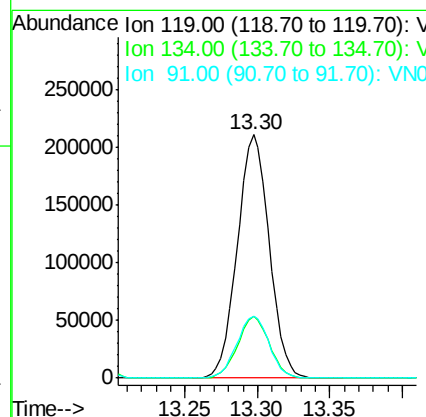
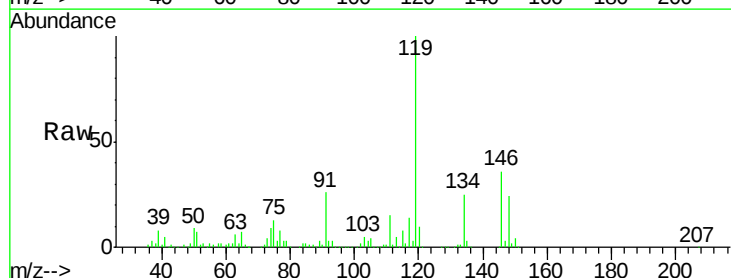
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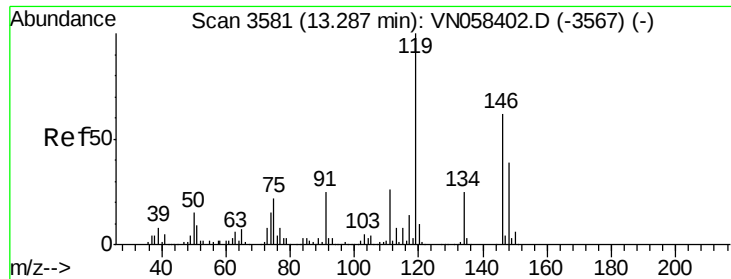
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#86
 p-Isopropyltoluene
 Concen: 22.796 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	321551		
134	25.1	13.0	39.0	
91	25.7	12.4	37.0	





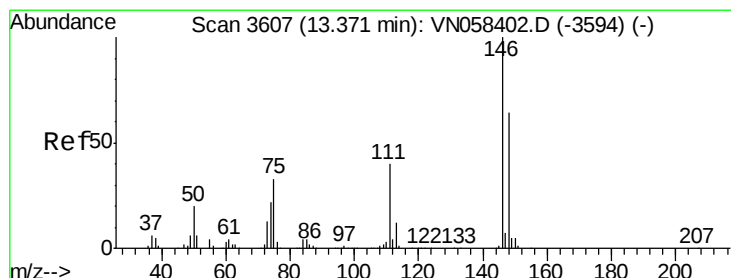
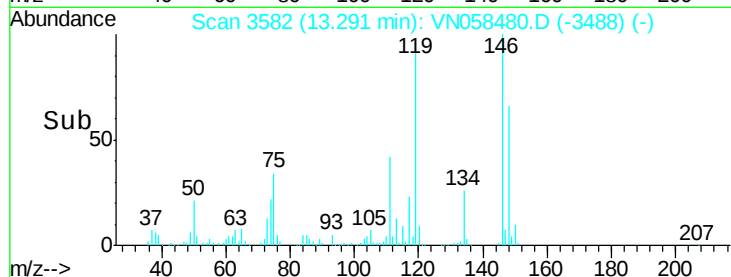
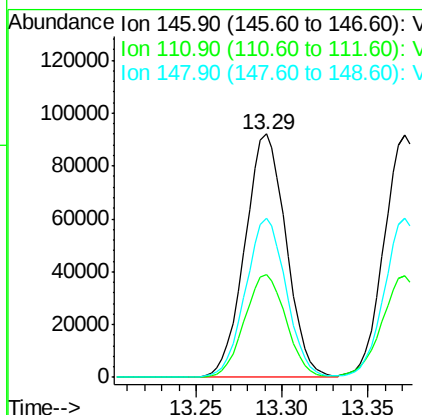
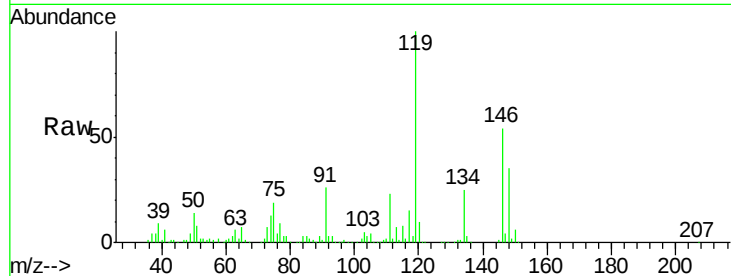
#87
 1,3-Dichlorobenzene
 Concen: 20.884 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.8	62.4
148	64.5	31.4	94.3

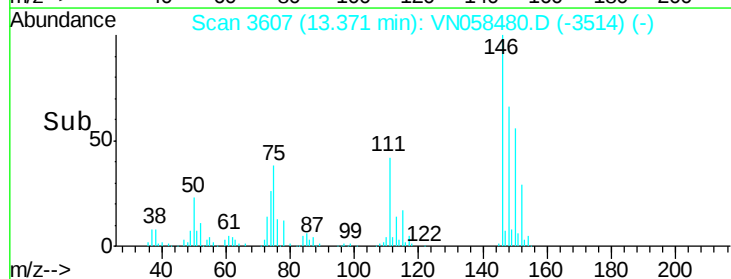
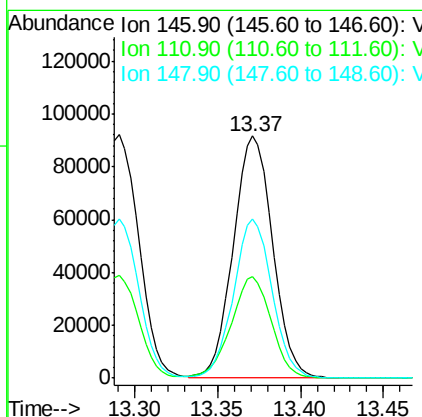
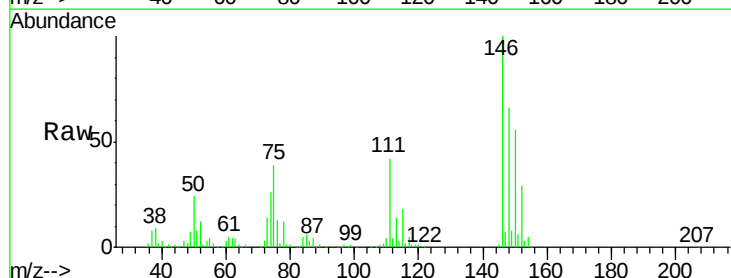
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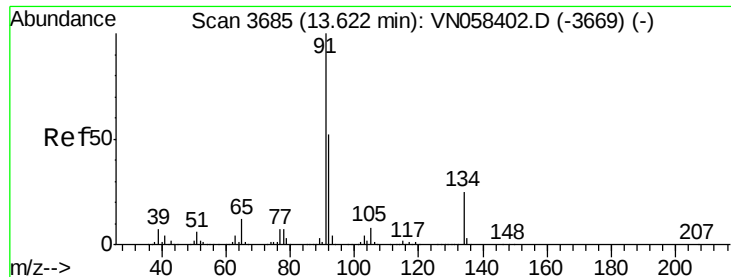
MMDadoda
 10/3/2019 1:35:48 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.653 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.5	61.6
148	64.9	31.5	94.5





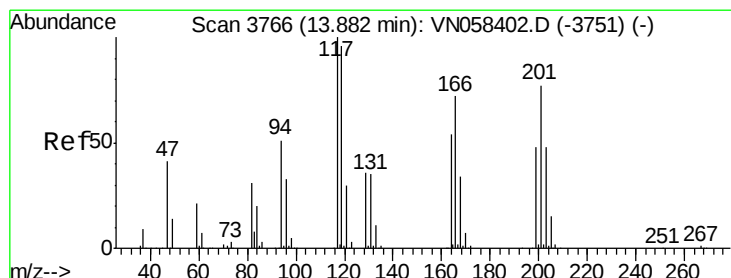
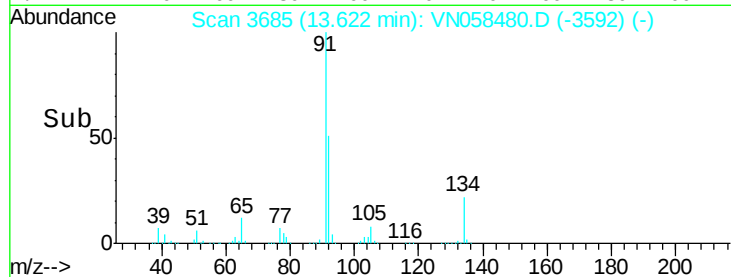
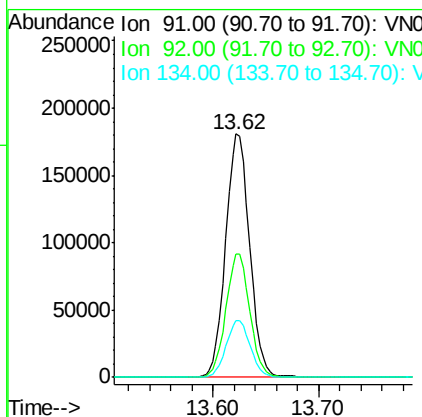
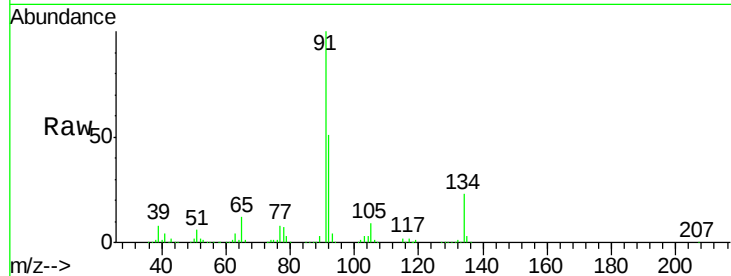
#89
n-Butylbenzene
Concen: 22.304 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	25.7	77.1
134	23.4	12.2	36.6

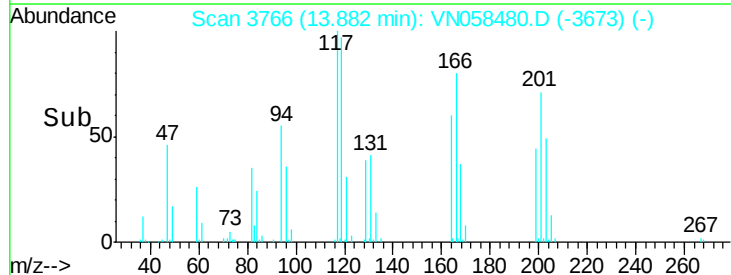
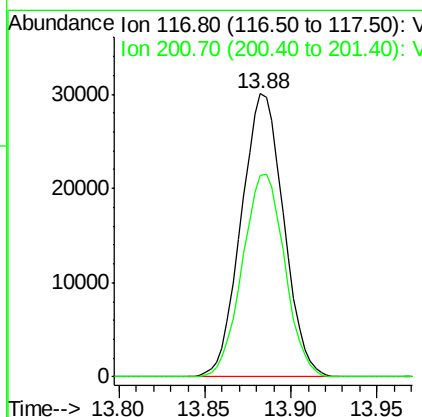
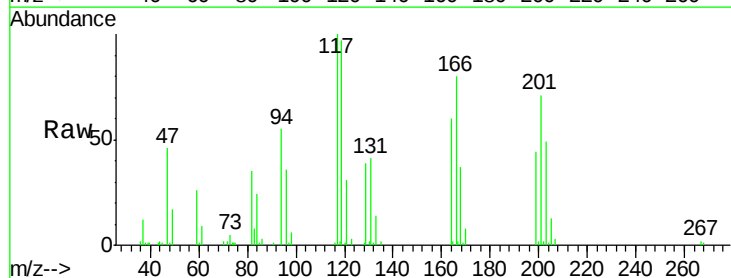
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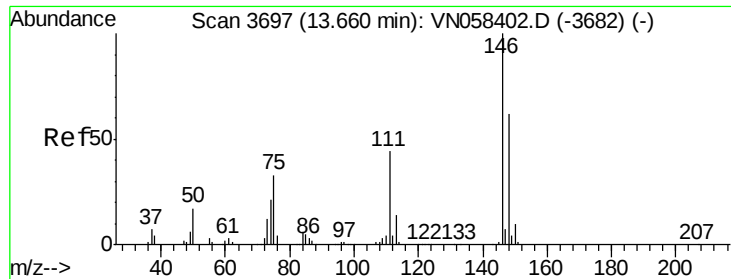
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#90
Hexachloroethane
Concen: 24.311 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058480.D
Acq: 2 Oct 2019 17:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.0	38.6	116.0





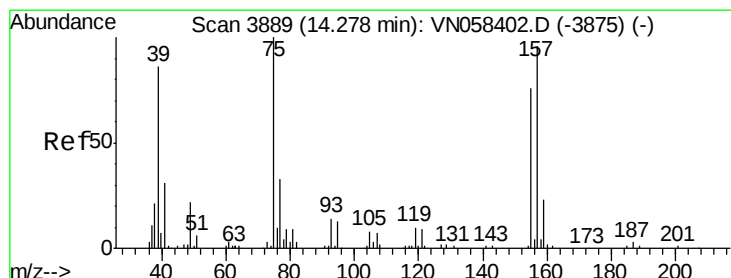
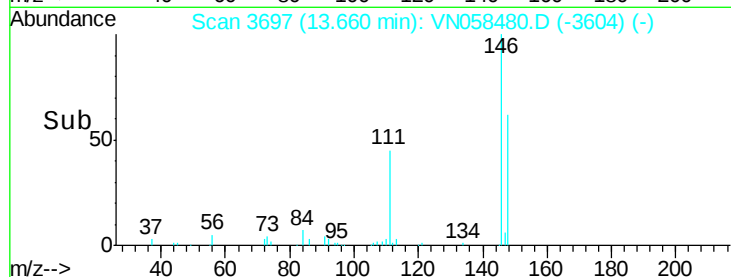
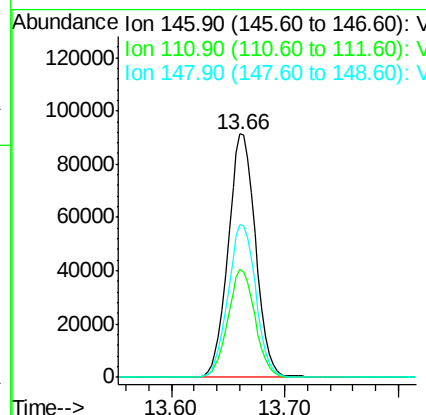
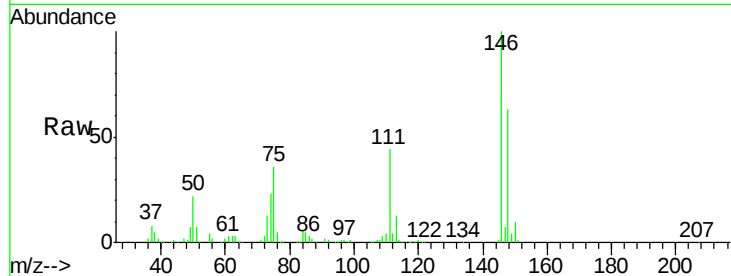
#91
 1,2-Dichlorobenzene
 Concen: 21.852 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.3
148	63.6	31.5	94.5

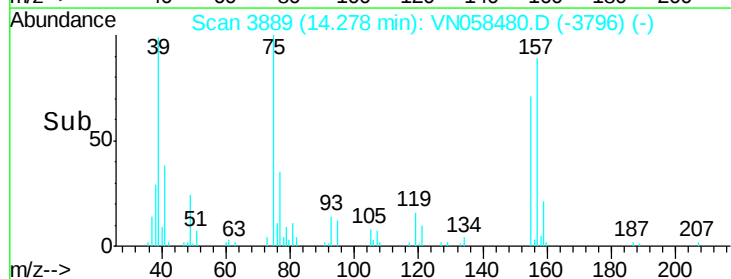
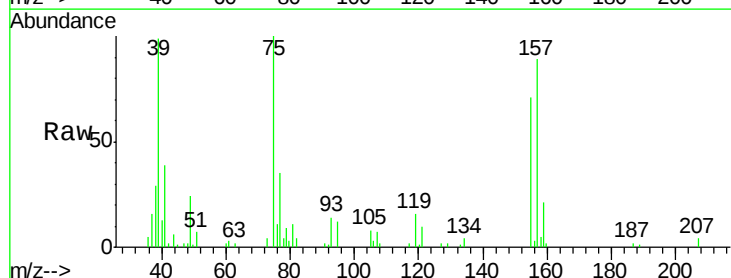
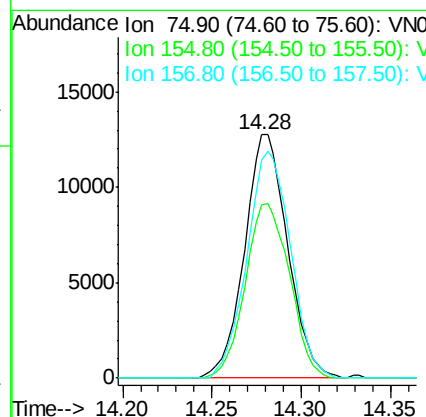
Manual Integrations
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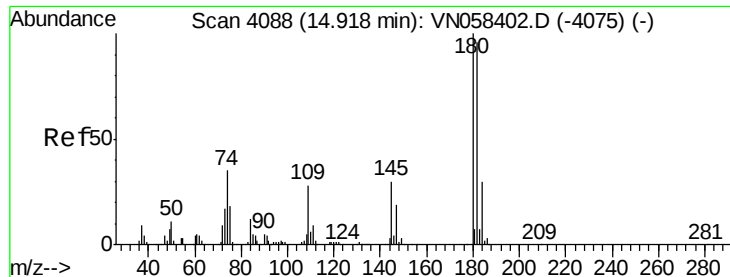
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.061 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.2	39.2	117.6
157	94.5	48.7	146.1





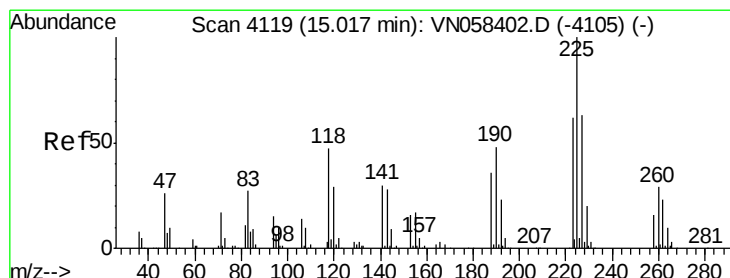
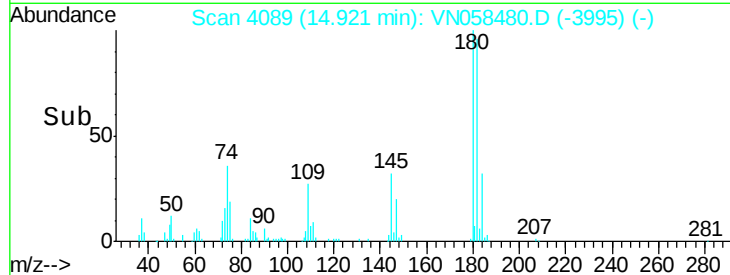
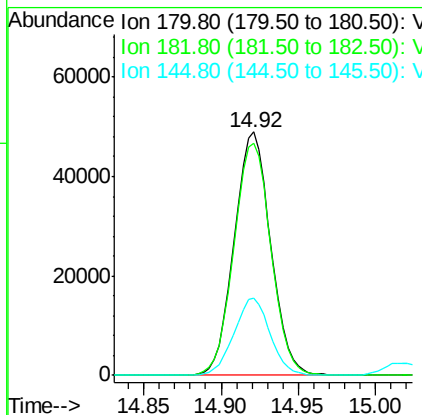
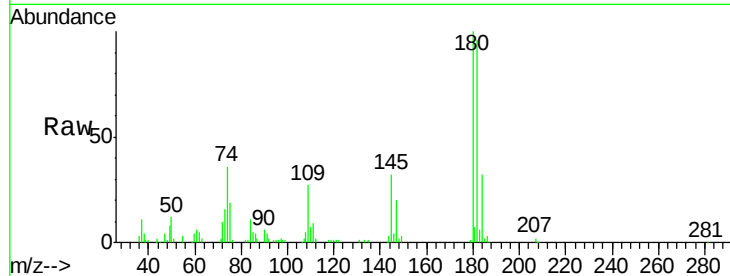
#93
 1,2,4-Trichlorobenzene
 Concen: 20.543 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.4	142.3
145	31.5	15.3	45.9

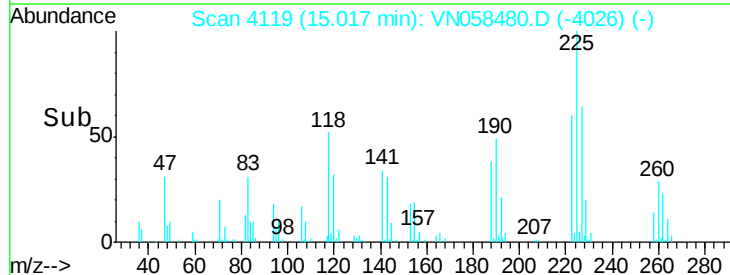
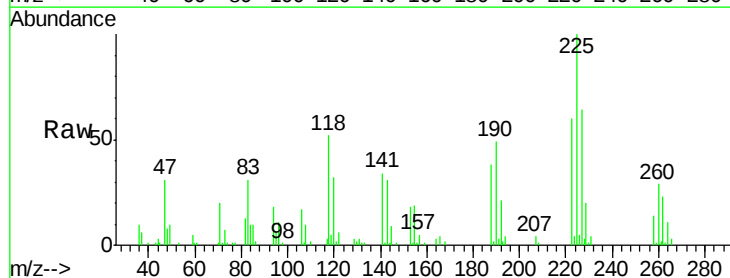
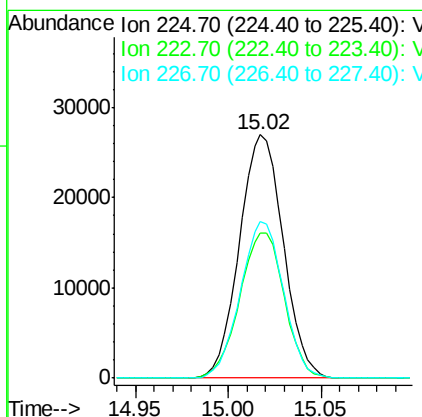
Manual Integrations
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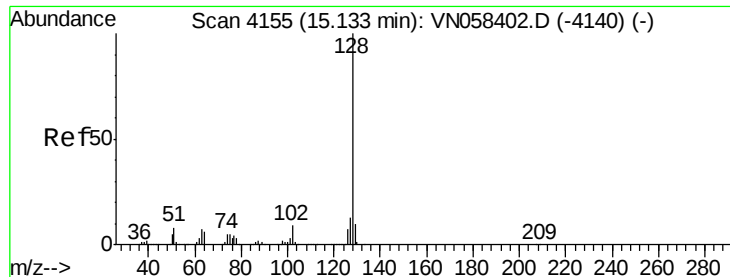
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 22.191 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058480.D
 Acq: 2 Oct 2019 17:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	31.1	93.5
227	63.2	31.4	94.2





#95

Naphthalene

Concen: 19.853 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Instrument :

MSVOA_N

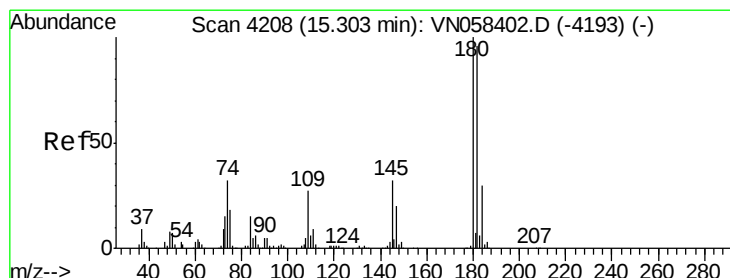
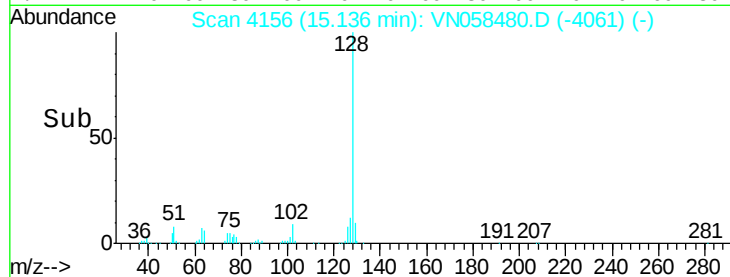
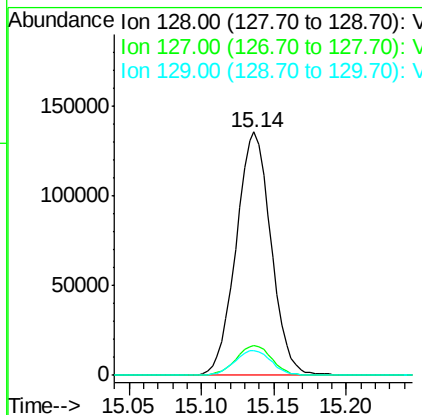
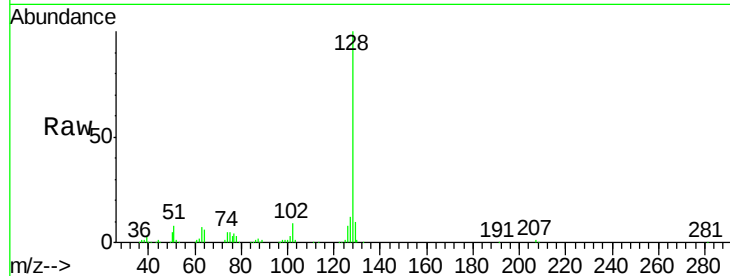
ClientSampleId :

VN1002WBSD01

Tot Ion:	128	Resp:	226418
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	10.8	8.3	12.5

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 20.654 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058480.D

Acq: 2 Oct 2019 17:23

Tgt Ion:	180	Resp:	80628
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.3	144.9
145	32.4	16.1	48.3

