

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091219\
 Data File : VN057931.D
 Acq On : 11 Sep 2019 18:20
 Operator : JC/SP
 Sample : VN0912WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:07:29 AM

Quant Time: Sep 12 03:20:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	322778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	527756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	495723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	287507	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	341147	52.18	ug/l	0.00
Spiked Amount						
			Recovery	=	104.36%	
35) Dibromofluoromethane	7.58	113	239552	49.18	ug/l	0.00
Spiked Amount						
			Recovery	=	98.36%	
50) Toluene-d8	10.09	98	974499	51.53	ug/l	0.00
Spiked Amount						
			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.41	95	334719	46.44	ug/l	0.00
Spiked Amount						
			Recovery	=	92.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	90024	20.167	ug/l	98
3) Chloromethane	2.03	50	84524	18.578	ug/l	98
4) Vinyl Chloride	2.16	62	88909	18.464	ug/l	99
5) Bromomethane	2.54	94	48025	17.150	ug/l	94
6) Chloroethane	2.68	64	56024	18.259	ug/l	98
7) Trichlorofluoromethane	2.99	101	112146	18.507	ug/l	98
8) Diethyl Ether	3.39	74	50288	19.897	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	74946	19.606	ug/l	98
10) Methyl Iodide	3.93	142	69206	16.269	ug/l	97
11) Tert butyl alcohol	4.77	59	74363	93.980	ug/l #	93
12) 1,1-Dichloroethene	3.71	96	64718	18.830	ug/l	98
13) Acrolein	3.59	56	44262	65.935	ug/l	98
14) Allyl chloride	4.30	41	117664	17.493	ug/l	97
15) Acrylonitrile	4.96	53	221808	101.988	ug/l	99
16) Acetone	3.80	43	185876	86.730	ug/l	99
17) Carbon Disulfide	4.03	76	89128	16.767	ug/l	96
18) Methyl Acetate	4.30	43	120526	21.092	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	289746	20.257	ug/l	100
20) Methylene Chloride	4.53	84	85895	20.322	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	68265	18.373	ug/l	95
22) Diisopropyl ether	5.93	45	319049	20.227	ug/l	98
23) Vinyl Acetate	5.88	43	1151192	102.980	ug/l	100
24) 1,1-Dichloroethane	5.83	63	168340	19.527	ug/l	99
25) 2-Butanone	6.82	43	296677	95.644	ug/l	100
26) 2,2-Dichloropropane	6.80	77	118586	17.382	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	94922	19.064	ug/l	97
28) Bromochloromethane	7.17	49	85869	19.938	ug/l	97
29) Tetrahydrofuran	7.20	42	193708	101.344	ug/l	99
30) Chloroform	7.36	83	176969	19.633	ug/l	99
31) Cyclohexane	7.64	56	125846	20.084	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	136773	19.132	ug/l	99
36) 1,1-Dichloropropene	7.78	75	112865	18.440	ug/l	98
37) Ethyl Acetate	6.91	43	126469	19.999	ug/l	100
38) Carbon Tetrachloride	7.76	117	106538	19.065	ug/l	99

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Quant Time: Sep 12 03:20:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	117081	18.197	ug/l	98
40) Benzene	8.03	78	360264	19.551	ug/l	100
41) Methacrylonitrile	7.16	41	65452	22.801	ug/l	89
42) 1,2-Dichloroethane	8.11	62	144044	19.546	ug/l	100
43) Isopropyl Acetate	8.16	43	209148	19.667	ug/l #	90
44) Trichloroethene	8.83	130	85344	18.883	ug/l	99
45) 1,2-Dichloropropane	9.11	63	105681	19.709	ug/l	98
46) Dibromomethane	9.20	93	65445	20.198	ug/l	98
47) Bromodichloromethane	9.40	83	123514	19.090	ug/l	99
48) Methyl methacrylate	9.19	41	106611	19.763	ug/l	99
49) 1,4-Dioxane	9.19	88	32795	359.496	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	675655	107.364	ug/l	99
52) Toluene	10.15	92	224309	19.327	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	126396	18.551	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	142356	18.924	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	99459	20.231	ug/l	99
56) Ethyl methacrylate	10.43	69	148847	20.106	ug/l	99
57) 1,3-Dichloropropane	10.71	76	172047	20.307	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	355603	101.984	ug/l	99
59) 2-Hexanone	10.75	43	478775	101.501	ug/l	99
60) Dibromochloromethane	10.90	129	84098	18.422	ug/l	100
61) 1,2-Dibromoethane	11.00	107	90895	19.557	ug/l	100
64) Tetrachloroethene	10.63	164	69542	19.000	ug/l	98
65) Chlorobenzene	11.43	112	253614	19.549	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	87900	19.526	ug/l	99
67) Ethyl Benzene	11.51	91	456333	20.071	ug/l	98
68) m/p-Xylenes	11.62	106	331433	39.796	ug/l	99
69) o-Xylene	11.95	106	162211	19.592	ug/l	95
70) Styrene	11.97	104	283872	19.922	ug/l	99
71) Bromoform	12.13	173	50430	17.968	ug/l #	99
73) Isopropylbenzene	12.25	105	462588	20.735	ug/l	99
74) N-amyl acetate	12.07	43	192649	19.842	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	148768	19.805	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	125679m	19.324	ug/l	
77) Bromobenzene	12.53	156	107390	19.307	ug/l	97
78) n-propylbenzene	12.60	91	532898	20.801	ug/l	99
79) 2-Chlorotoluene	12.68	91	316839	19.568	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	388249	20.596	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	30383	16.439	ug/l	86
82) 4-Chlorotoluene	12.78	91	327570	19.700	ug/l	100
83) tert-Butylbenzene	13.00	119	333225	19.887	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	395138	20.625	ug/l	97
85) sec-Butylbenzene	13.18	105	452194	20.361	ug/l	99
86) p-Isopropyltoluene	13.30	119	399647	20.423	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	197030	19.299	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	197644	19.072	ug/l	98
89) n-Butylbenzene	13.62	91	365869	19.798	ug/l	99
90) Hexachloroethane	13.88	117	54110	18.593	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	200715	19.678	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	23993	19.341	ug/l	98

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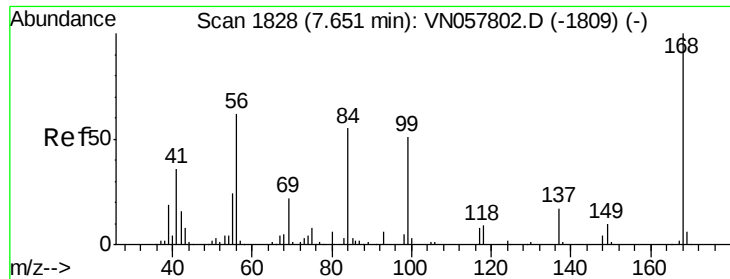
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	122776	18.416	ug/l	99
94) Hexachlorobutadiene	15.01	225	53453	18.914	ug/l	99
95) Naphthalene	15.13	128	353087	20.037	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	116928	20.687	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Instrument :

MSVOA_N

ClientSampled :

VN0912WBS01

Tot Ion:168 Resp: 322778

Ion Ratio Lower Upper

168 100

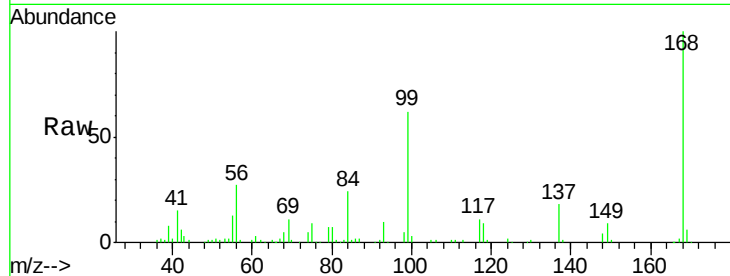
99 61.9 48.0 72.0

Manual Integrations

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9/13/2019 11:07:29 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

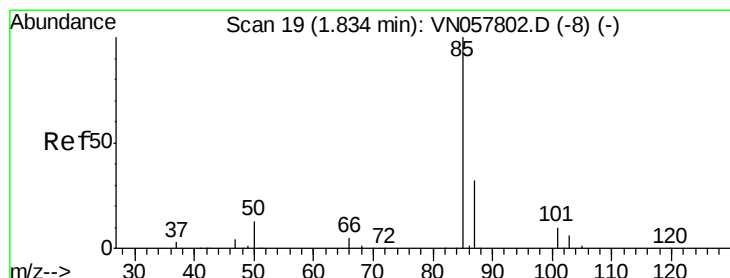
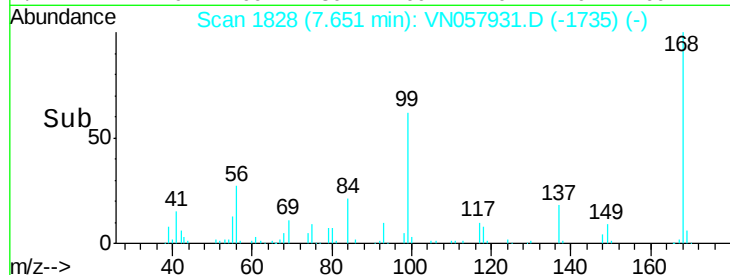
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.167 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057931.D

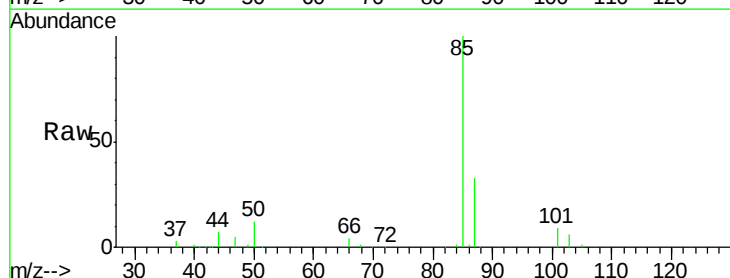
Acq: 11 Sep 2019 18:20

Tgt Ion: 85 Resp: 90024

Ion Ratio Lower Upper

85 100

87 33.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

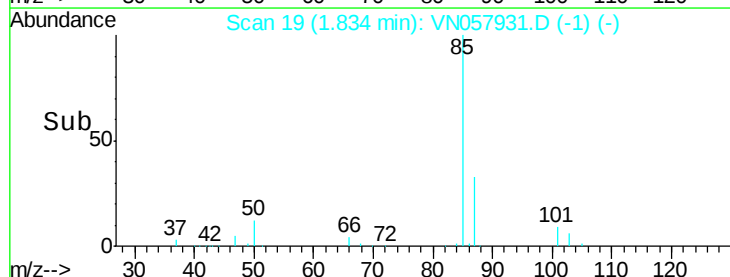
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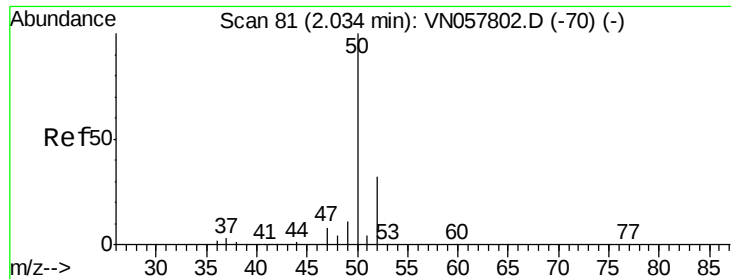
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20000

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Time-->





#3

Chloromethane

Concen: 18.578 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

Tot Ion: 50 Resp: 84524

Ion Ratio Lower Upper

50 100

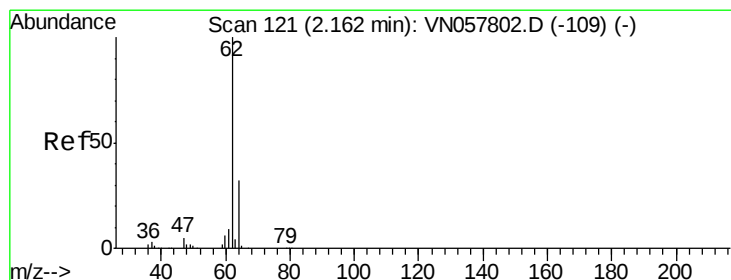
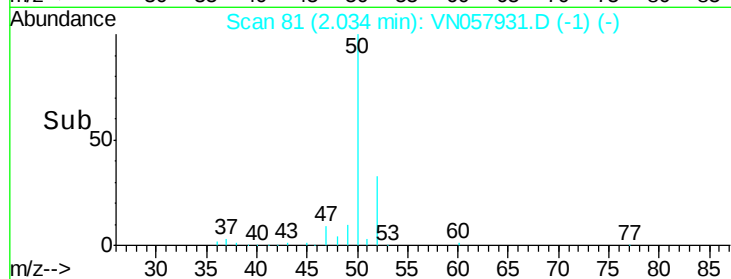
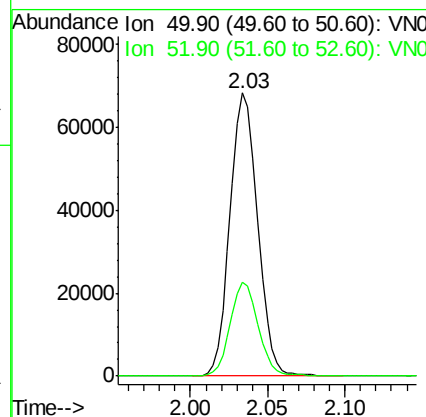
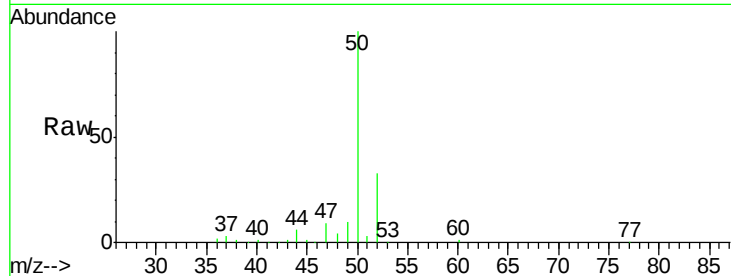
52 33.0 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.464 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057931.D

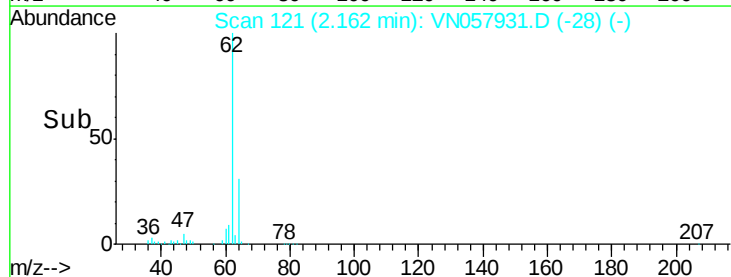
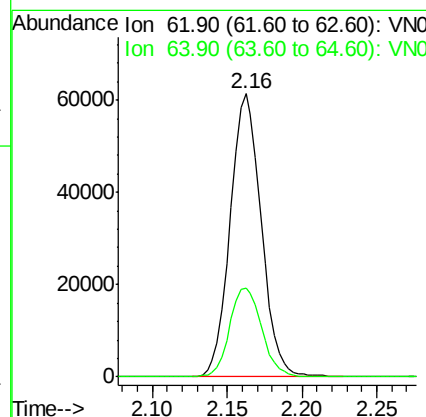
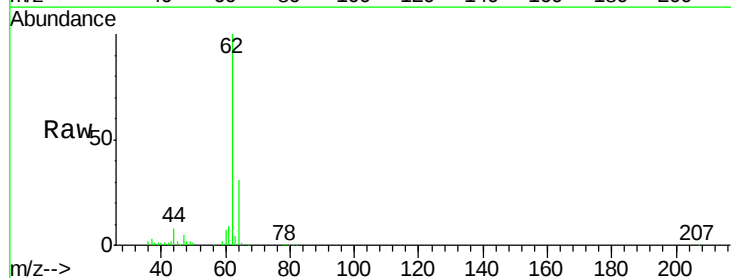
Acq: 11 Sep 2019 18:20

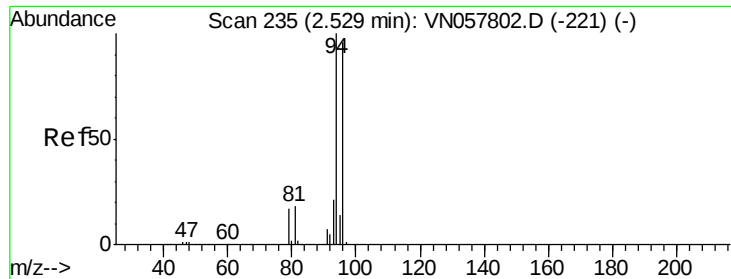
Tgt Ion: 62 Resp: 88909

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4





#5

Bromomethane

Concen: 17.150 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Instrument :

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ClientSampleId :

VN0912WBS01

Tot Ion: 94 Resp: 48025

Ion Ratio Lower Upper

94 100

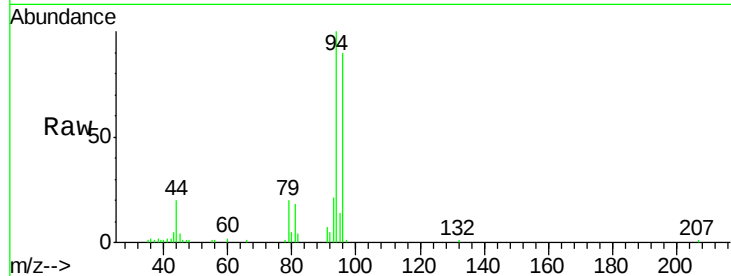
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Manual Integrations

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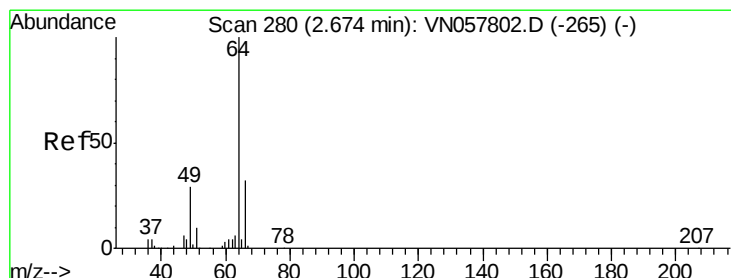
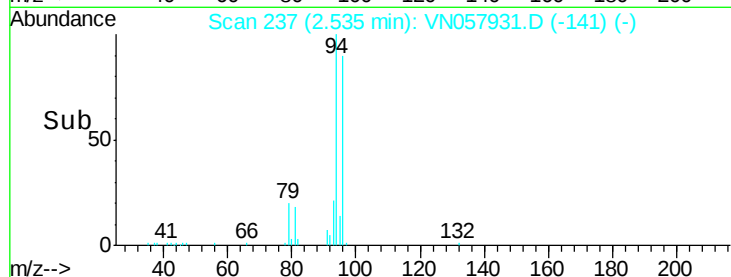
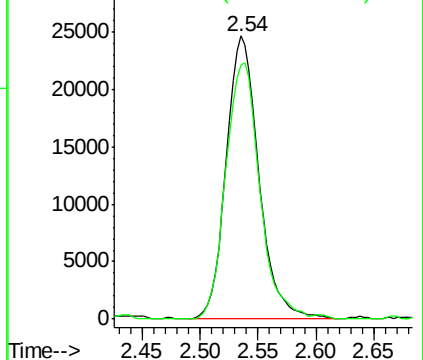
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.259 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN057931.D

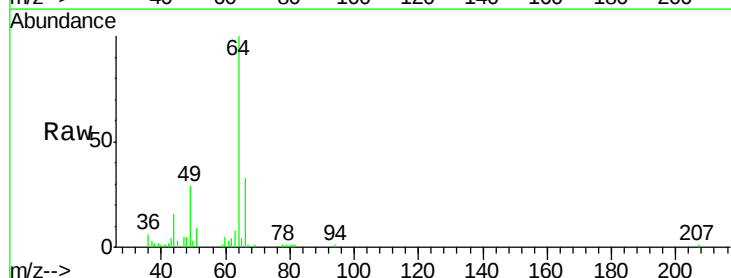
Acq: 11 Sep 2019 18:20

Tgt Ion: 64 Resp: 56024

Ion Ratio Lower Upper

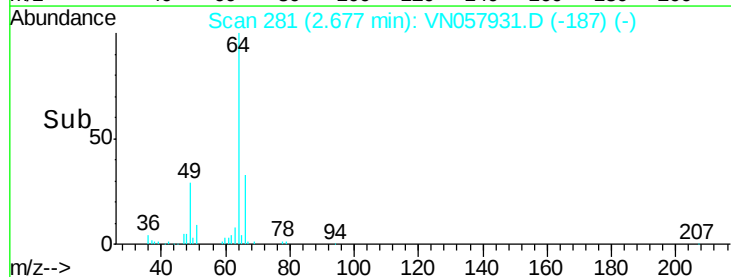
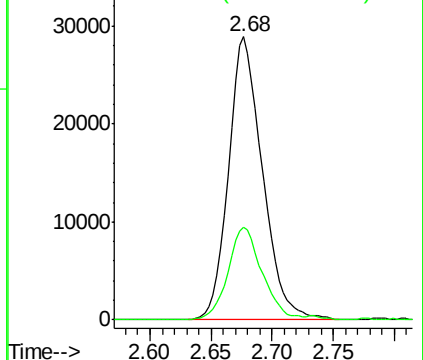
64 100

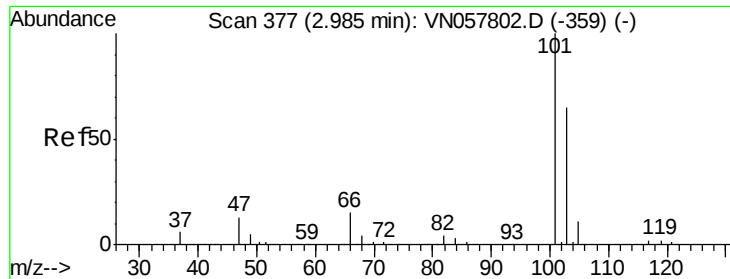
66 32.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

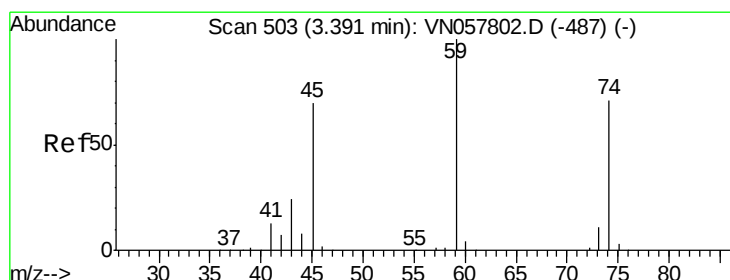
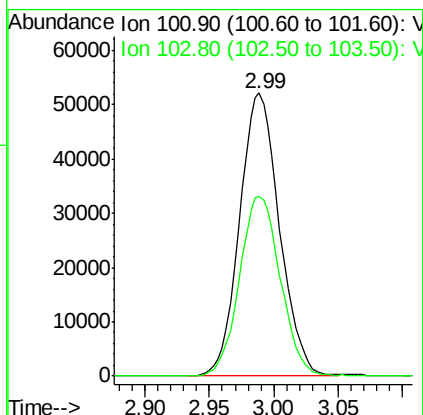
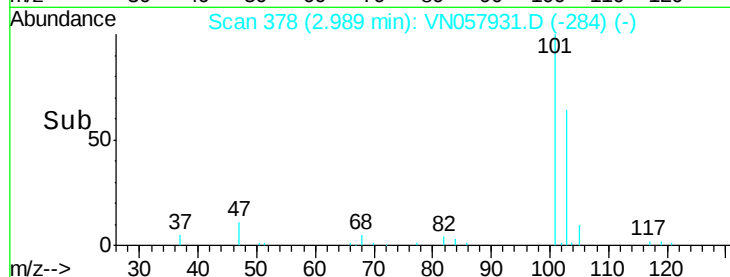
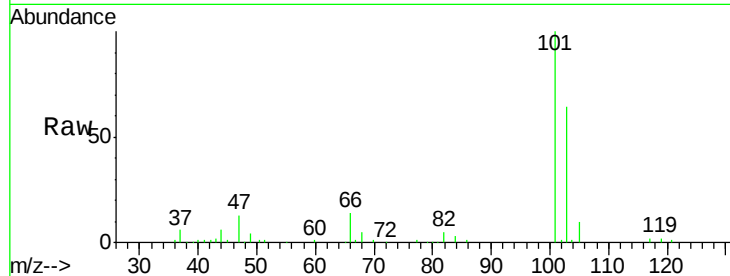
Trichlorofluoromethane
Concen: 18.507 ug/l
RT: 2.99 min Scan# 378
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	112146		
103	63.6	51.9	77.9	

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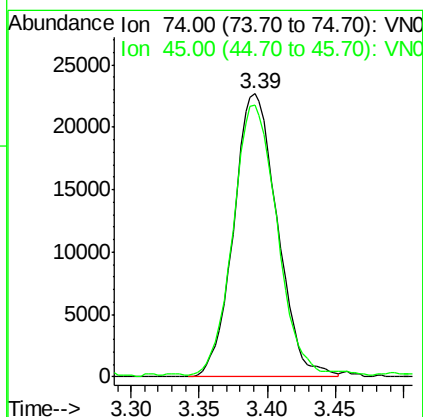
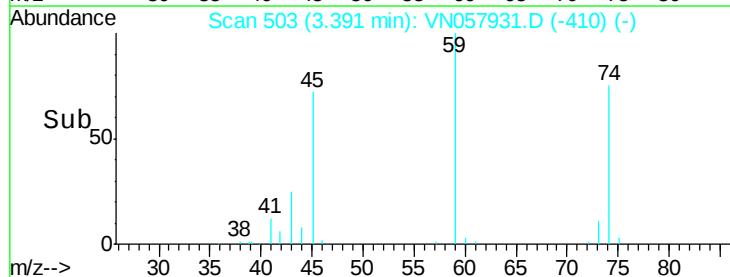
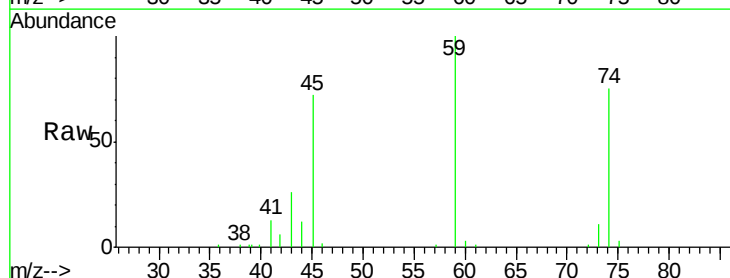
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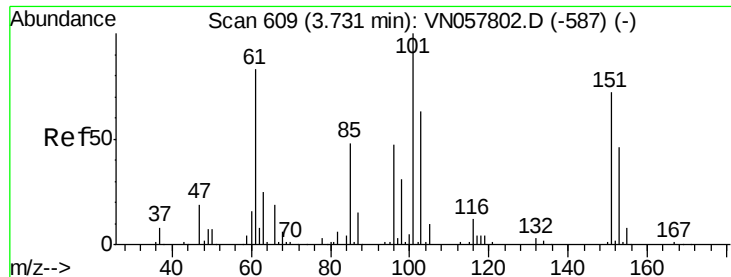


#8

Diethyl Ether
Concen: 19.897 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	50288		
45	95.5	50.3	151.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.606 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Instrument :

MSVOA_N

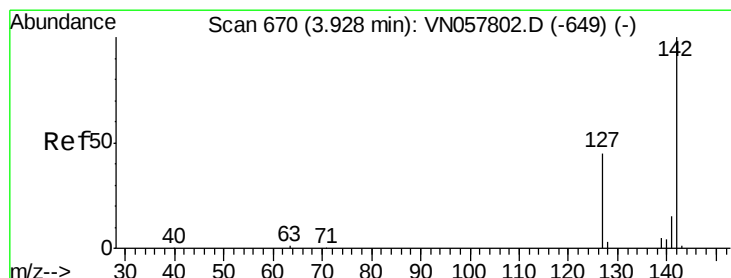
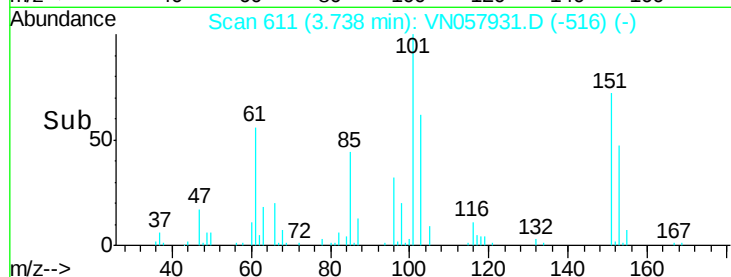
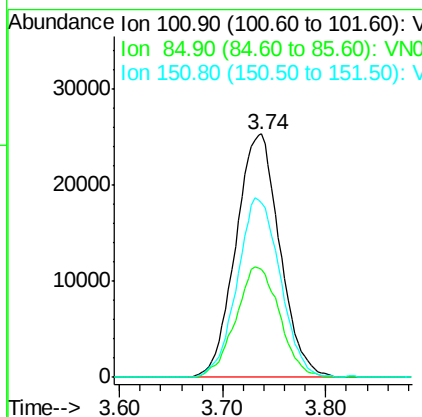
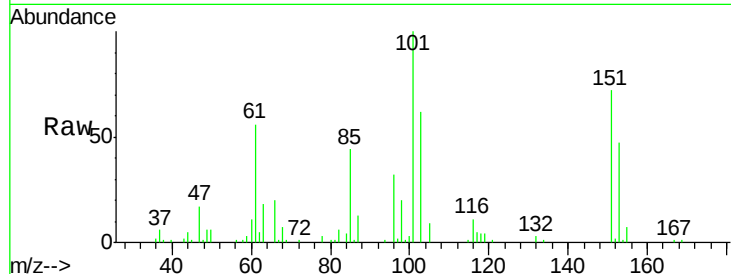
ClientSampleId :

VN0912WBS01

Tot Ion:	101	Resp:	74946
Ion Ratio	Lower	Upper	
101	100		
85	45.2	38.1	57.1
151	72.1	58.4	87.6

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#10

Methyl Iodide

Concen: 16.269 ug/l

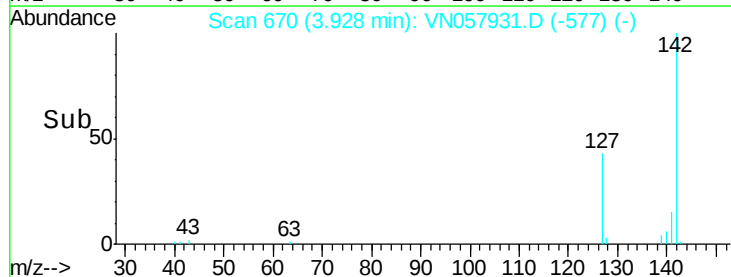
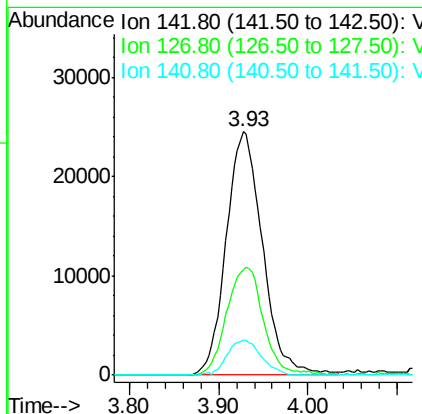
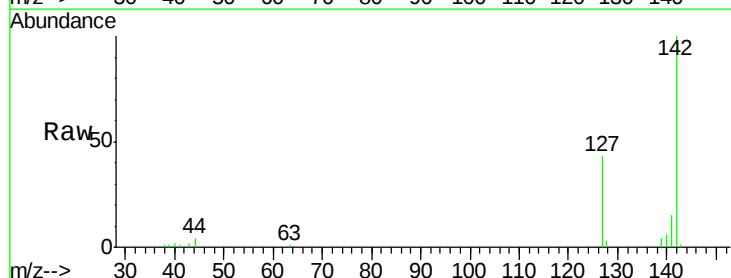
RT: 3.93 min Scan# 670

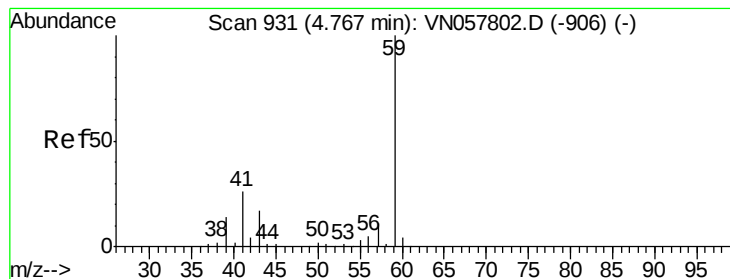
Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Tgt Ion:	142	Resp:	69206
Ion Ratio	Lower	Upper	
142	100		
127	44.0	36.7	55.1
141	13.3	11.4	17.0





#11

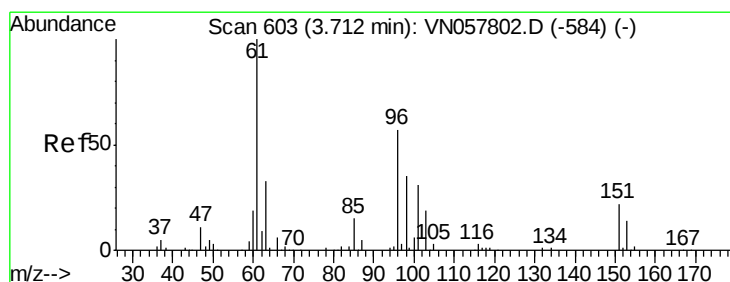
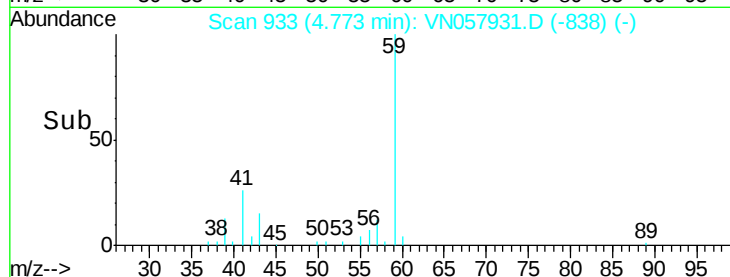
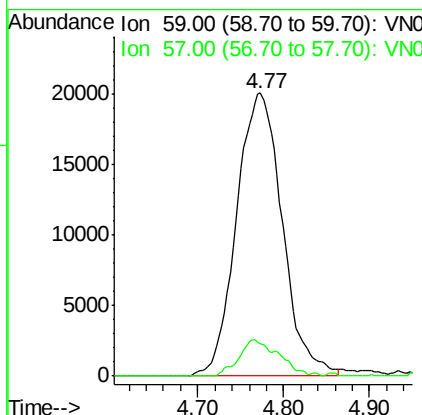
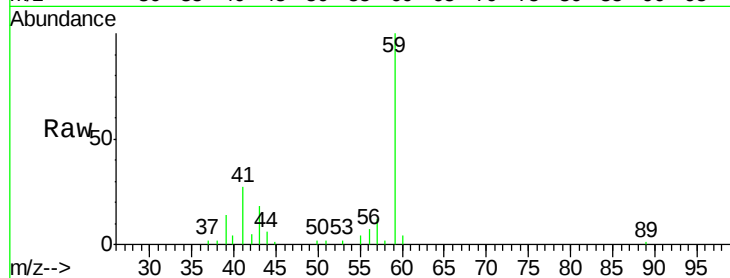
Tert butyl alcohol
 Concen: 93.980 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.0	8.4	12.6#

Manual Integrations
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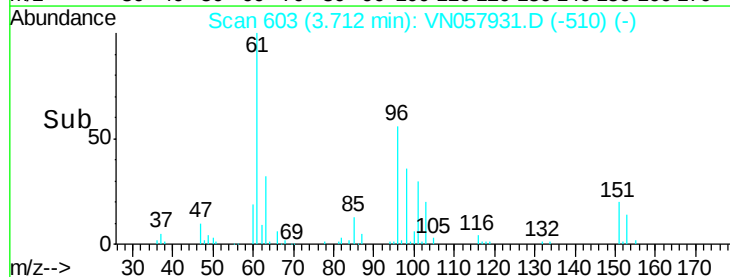
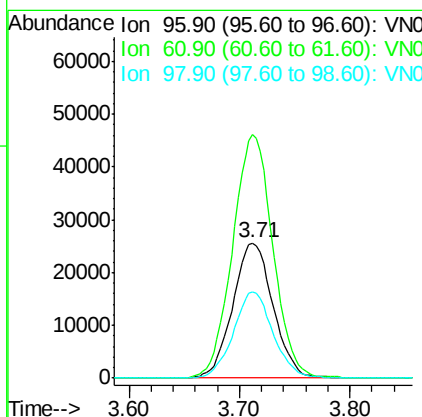
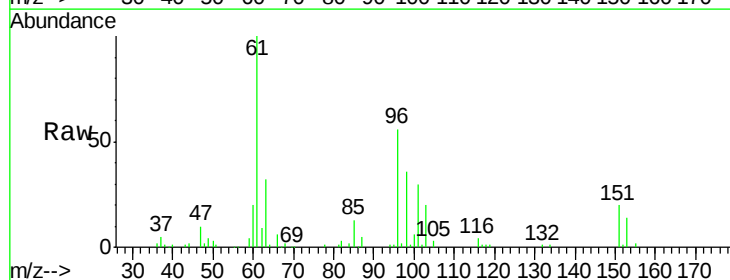
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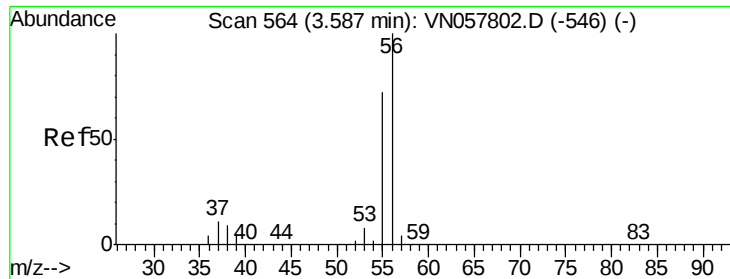


#12

1,1-Dichloroethene
 Concen: 18.830 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.9	141.2	211.8
98	63.9	49.9	74.9





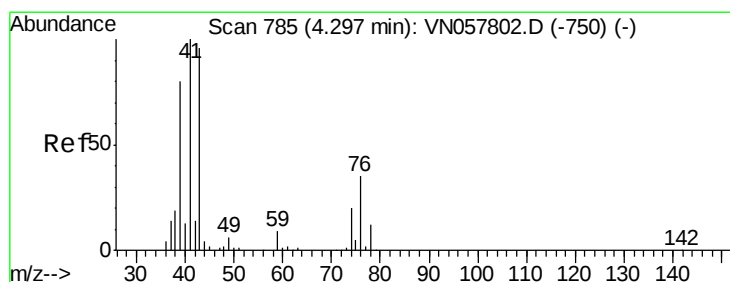
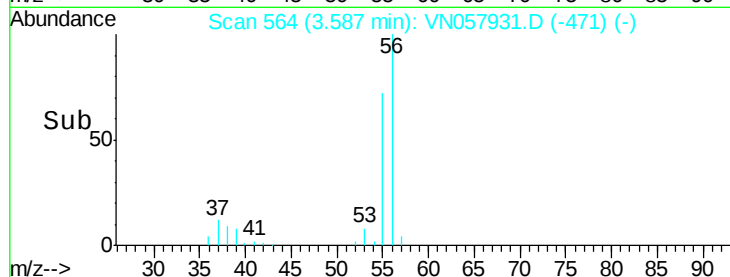
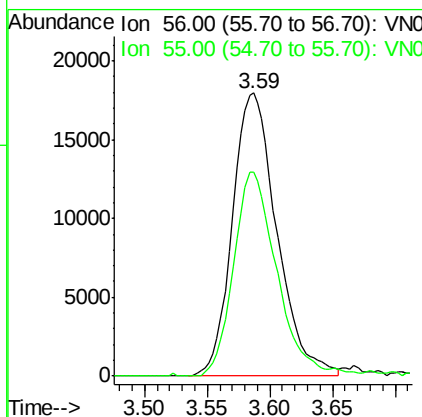
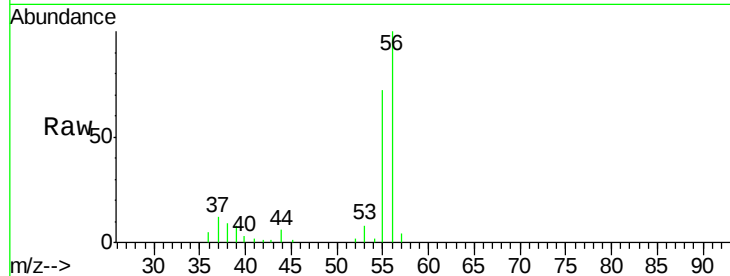
#13
Acrolein
Concen: 65.935 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.3	57.3	85.9

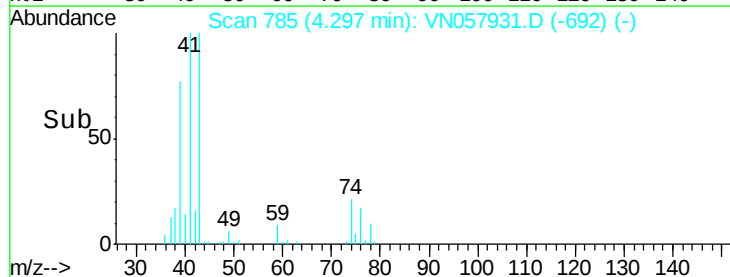
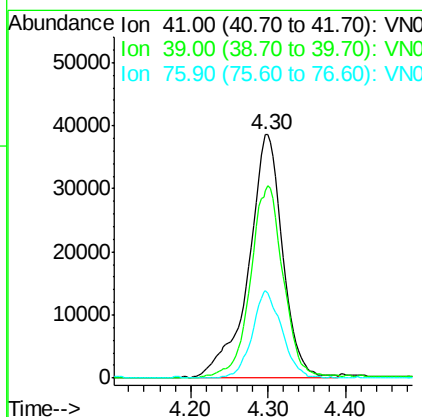
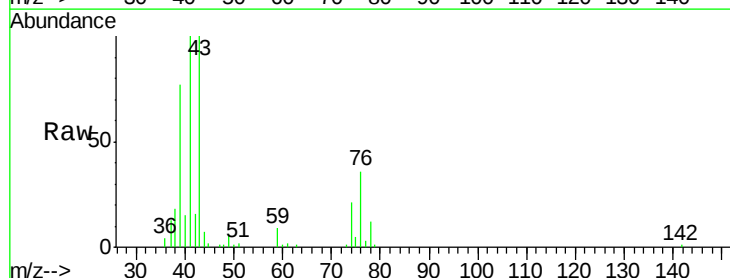
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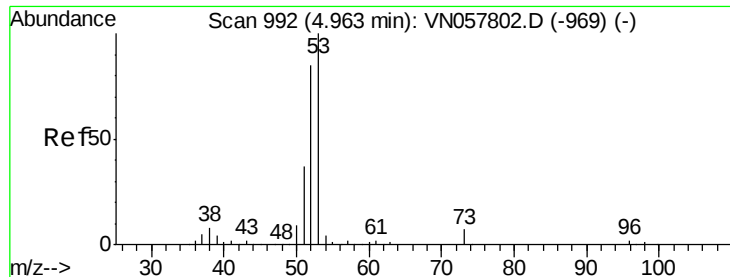
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#14
Allyl chloride
Concen: 17.493 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
41	100		
39	76.9	59.4	89.2
76	31.4	26.0	39.0





#15

Acrylonitrile

Concen: 101.988 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Instrument :

MSVOA_N

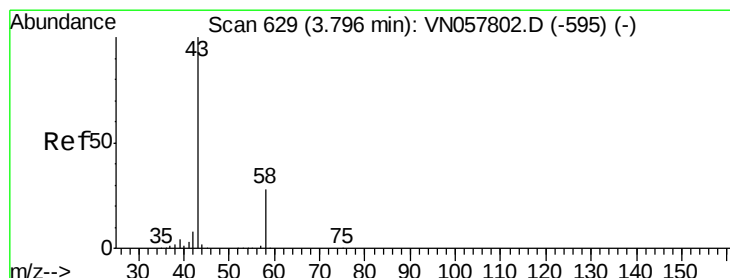
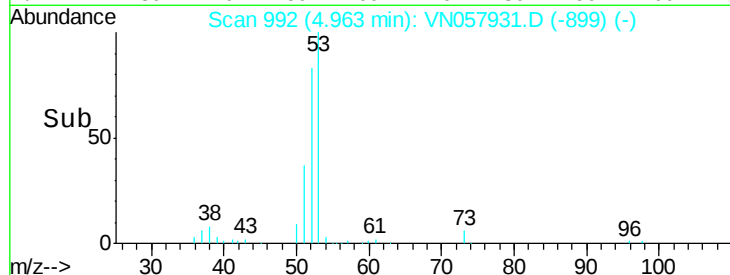
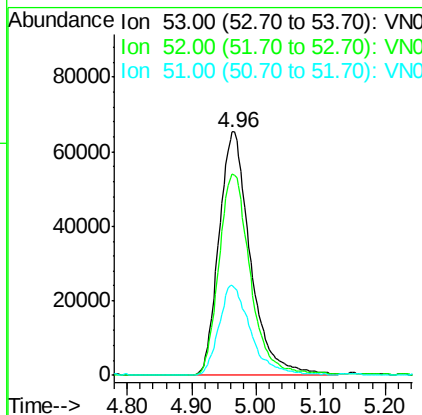
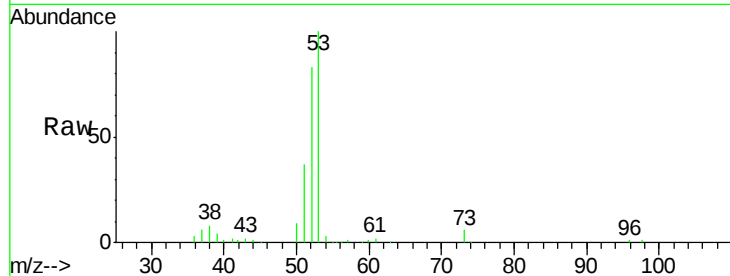
ClientSampleId :

VN0912WBS01

Tot Ion:	53	Resp:	221808
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.6	100.0
51	37.6	29.8	44.8

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#16

Acetone

Concen: 86.730 ug/l

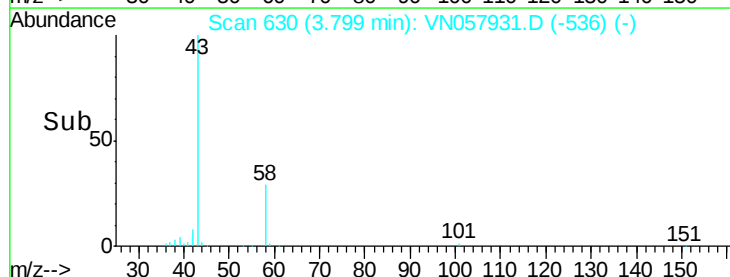
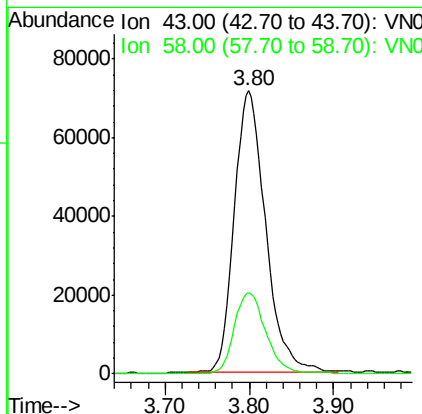
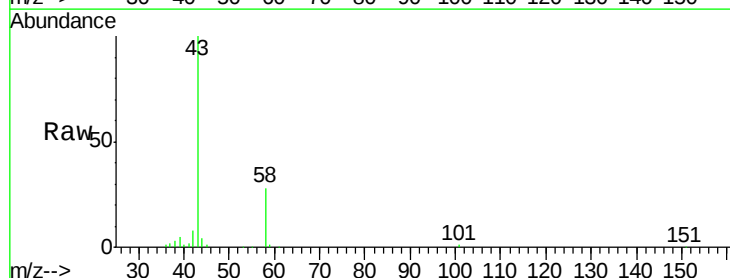
RT: 3.80 min Scan# 630

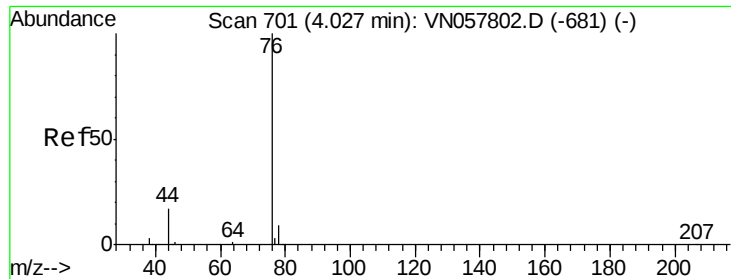
Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Tgt Ion:	43	Resp:	185876
Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.2	33.2





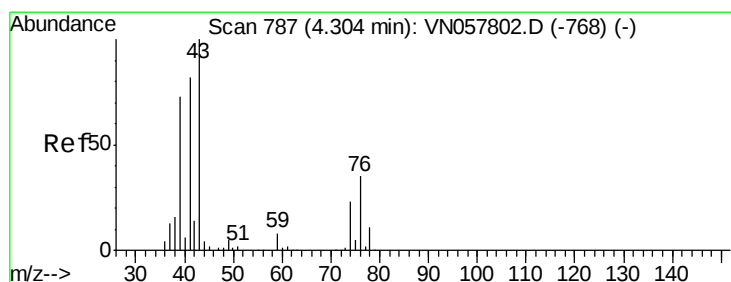
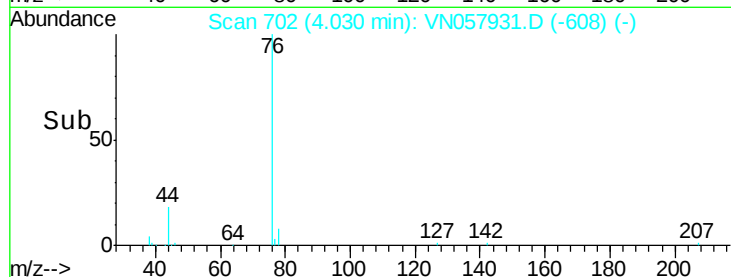
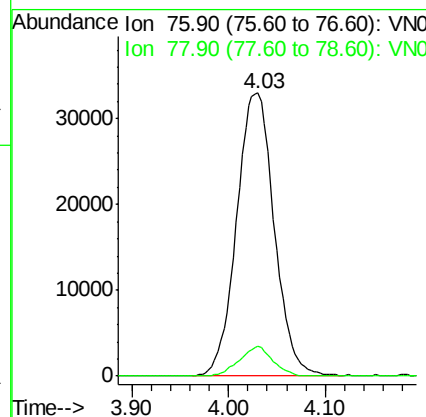
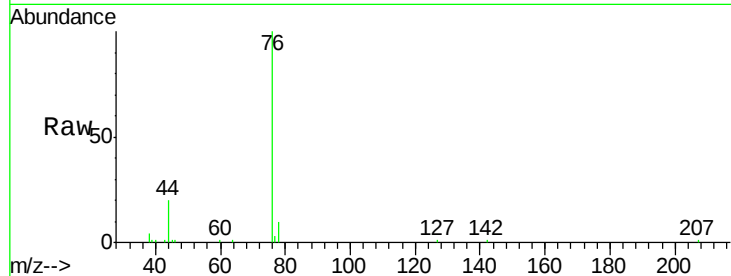
#17
Carbon Disulfide
Concen: 16.767 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.4	7.1	10.7

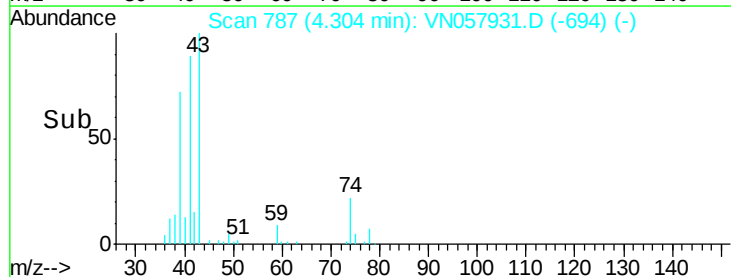
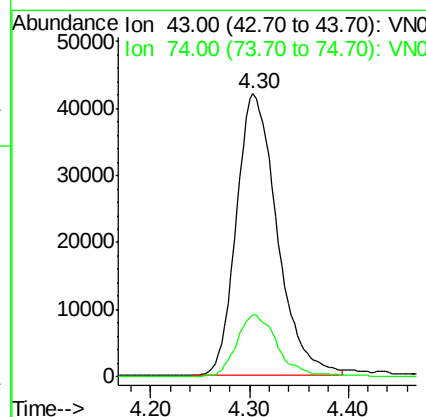
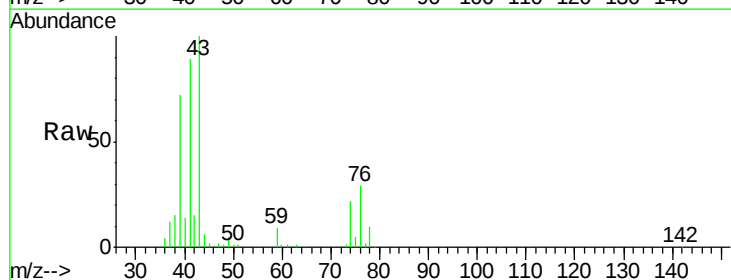
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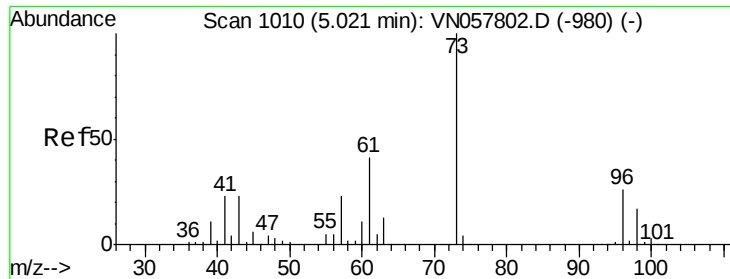
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#18
Methyl Acetate
Concen: 21.092 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.9	26.9





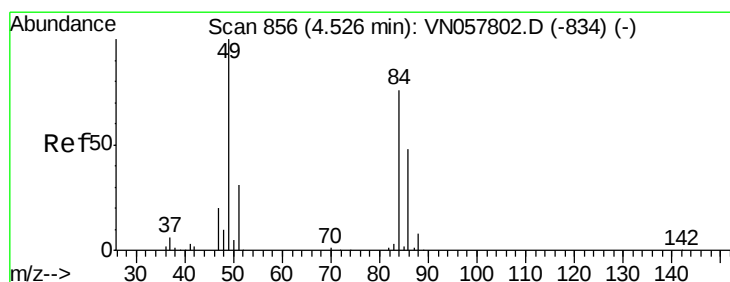
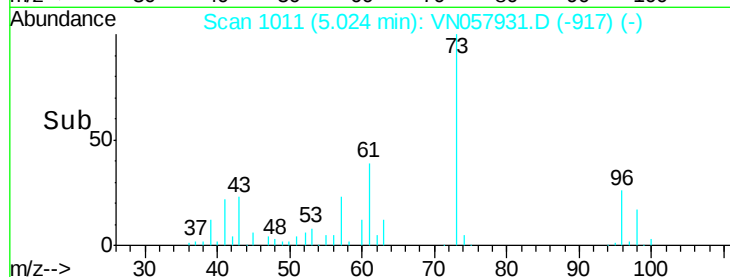
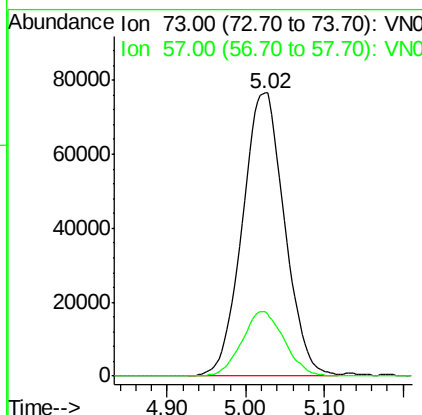
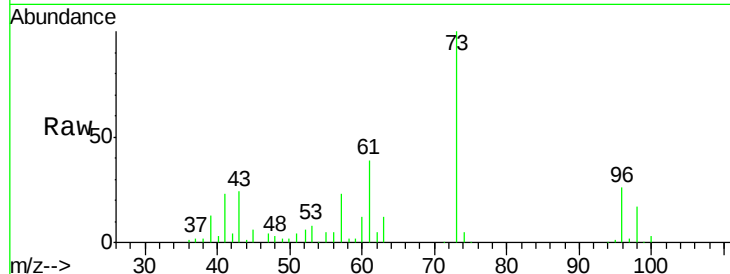
#19
Methvl tert-butvl Ether
Concen: 20.257 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion: 73 Resp: 289746
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.2

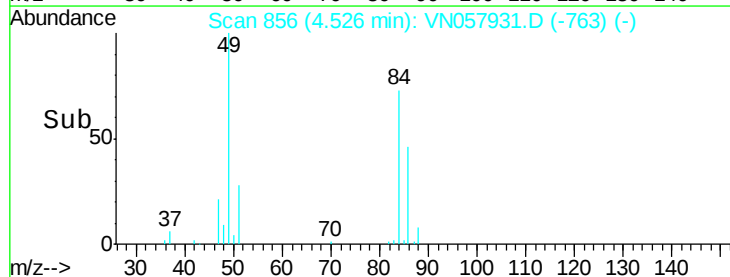
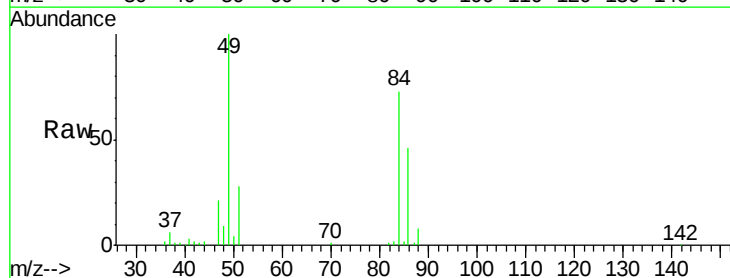
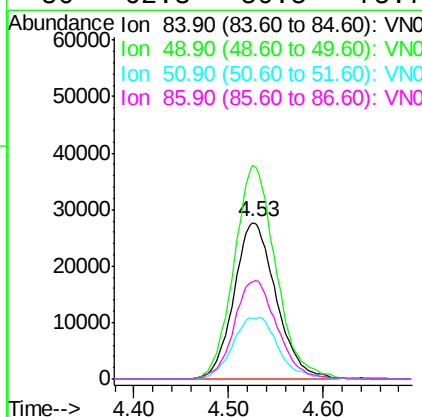
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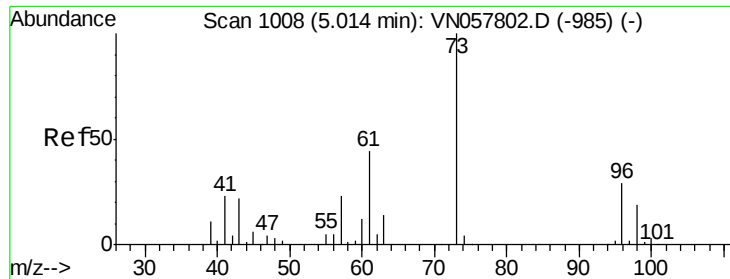
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#20
Methylene Chloride
Concen: 20.322 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion: 84 Resp: 85895
Ion Ratio Lower Upper
84 100
49 136.6 104.8 157.2
51 38.8 33.0 49.4
86 62.3 50.5 75.7





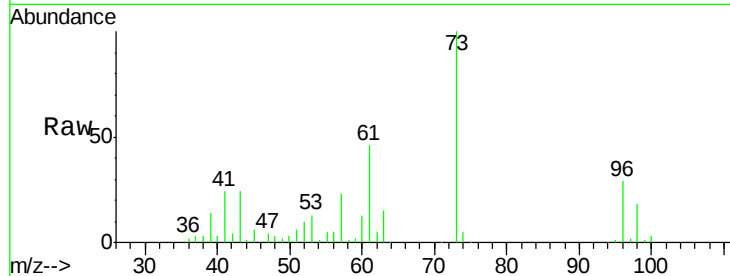
#21
trans-1,2-Dichloroethene
Concen: 18.373 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

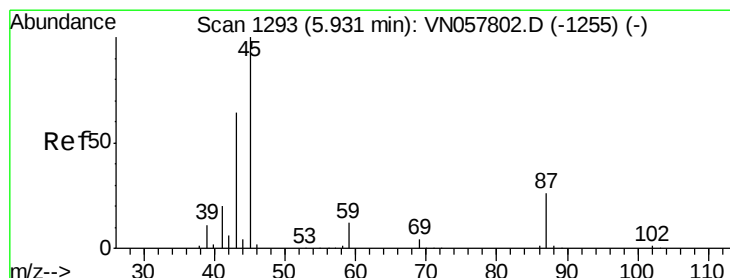
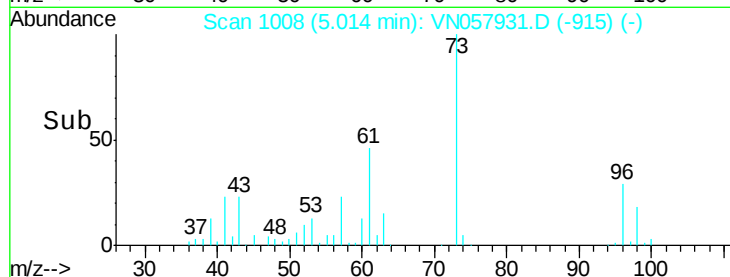
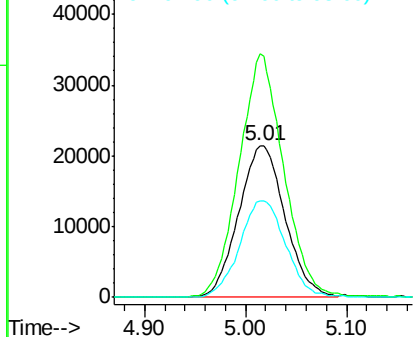
Tot Ion	Ratio	Lower	Upper
96	100		
61	160.5	121.9	182.9
98	63.9	52.2	78.4

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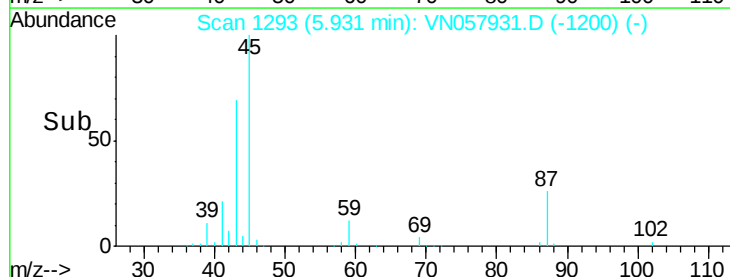
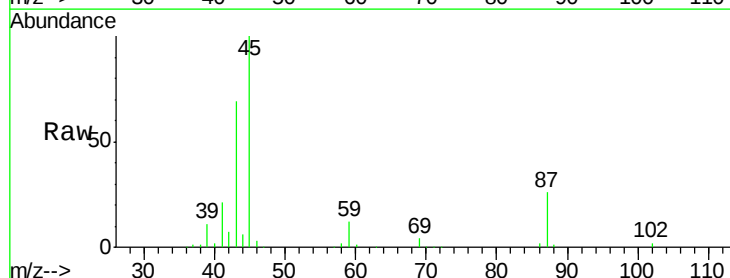
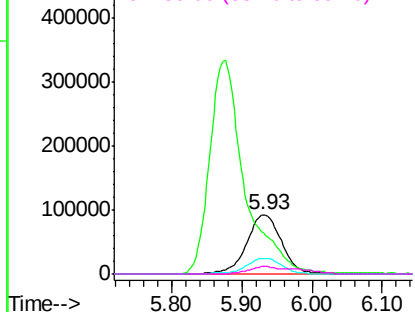
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

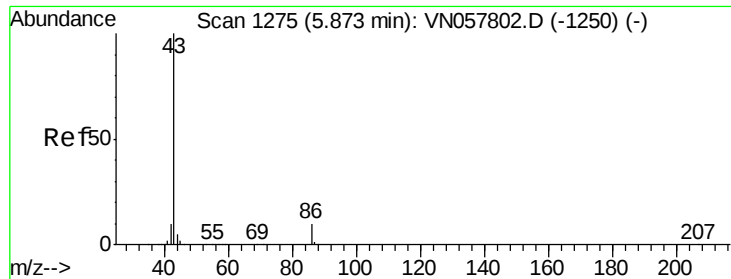


#22
Diisopropyl ether
Concen: 20.227 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.6	51.4	77.2
87	25.7	21.3	31.9
59	11.8	9.3	13.9

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





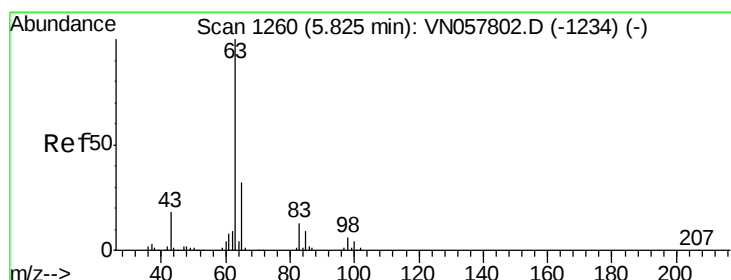
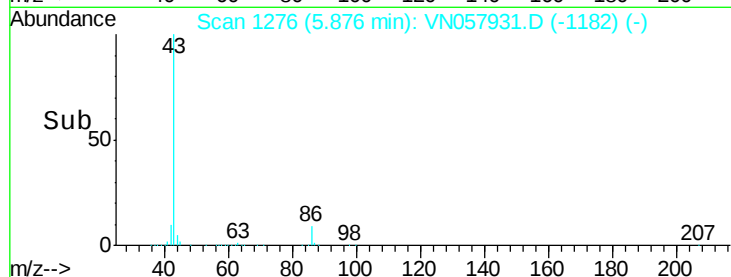
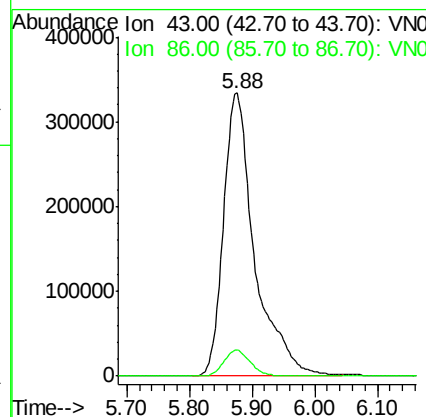
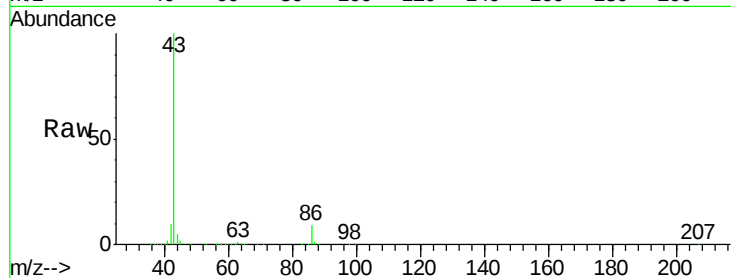
#23
 Vinyl Acetate
 Concen: 102.980 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Tot Ion: 43 Resp: 1151192
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.7 11.5

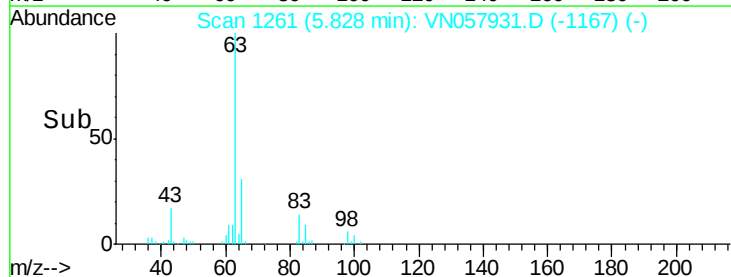
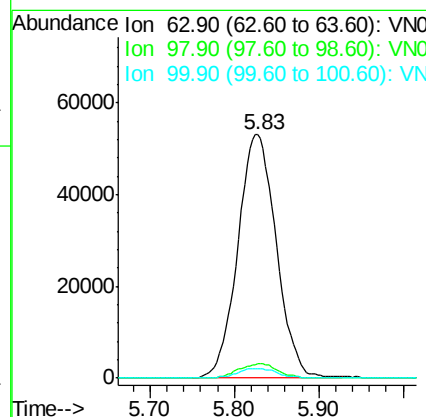
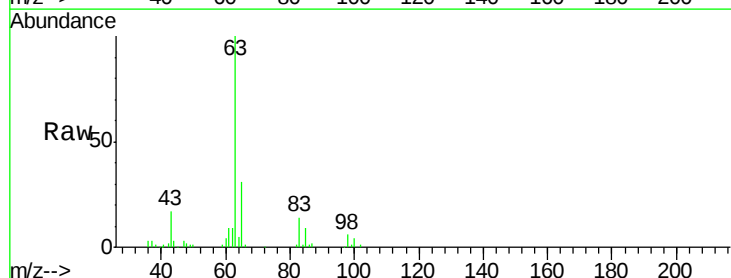
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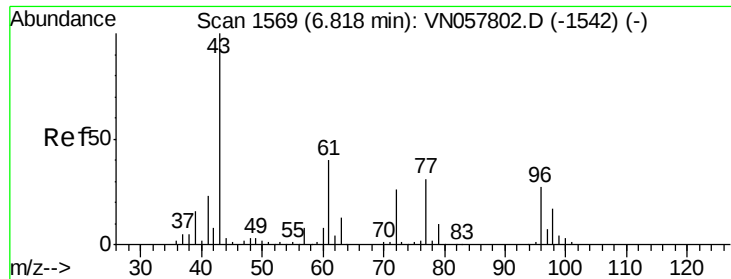
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#24
 1,1-Dichloroethane
 Concen: 19.527 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Tgt Ion: 63 Resp: 168340
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.2
 100 3.7 2.0 5.8





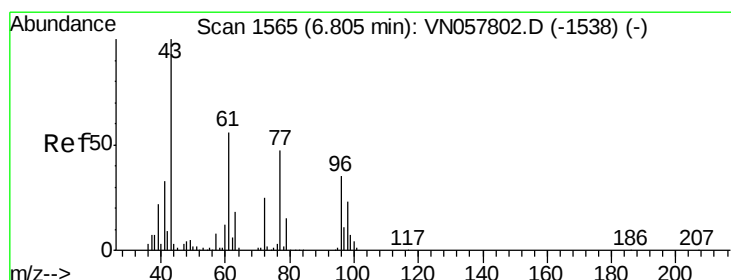
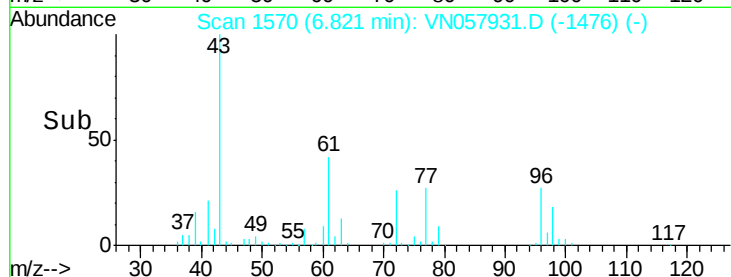
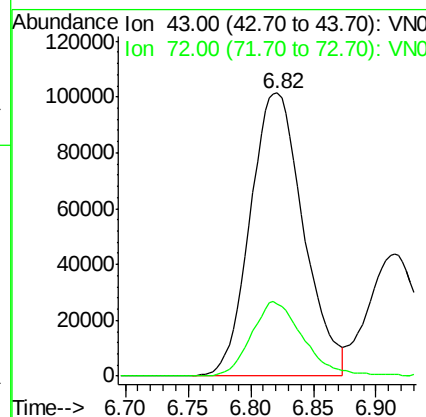
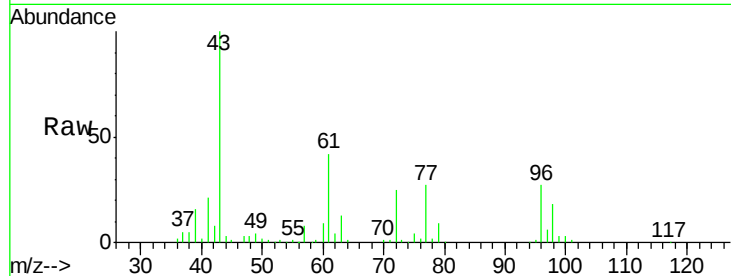
#25
2-Butanone
Concen: 95.644 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	25.6	20.6	30.8

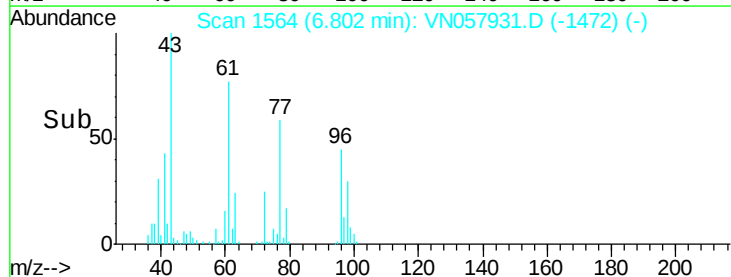
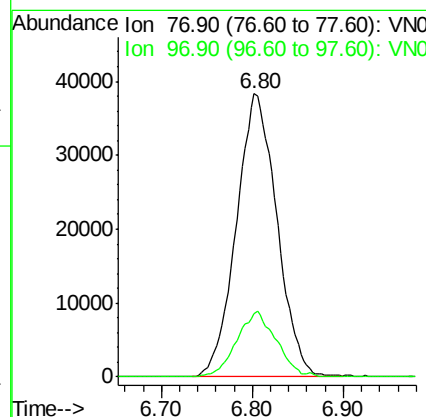
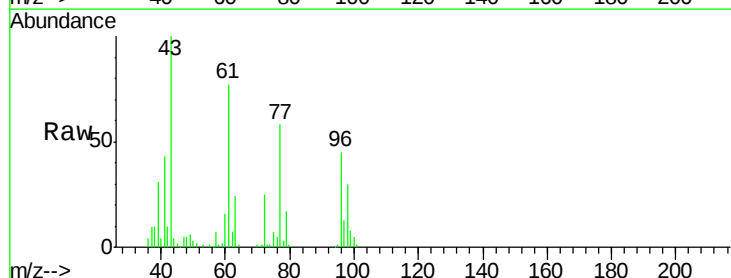
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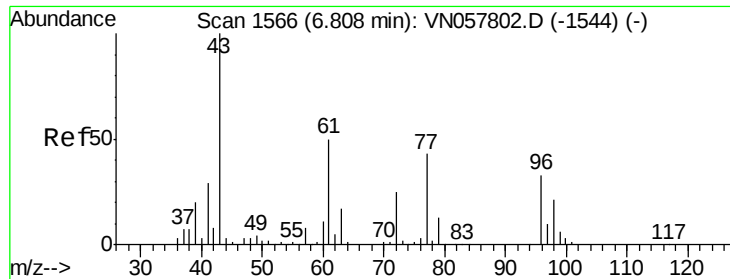
MMDadoda
9/13/2019 11:07:29 AM



#26
2,2-Dichloropropane
Concen: 17.382 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.1	33.3





#27

cis-1,2-Dichloroethene

Concen: 19.064 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Instrument :

MSVOA_N

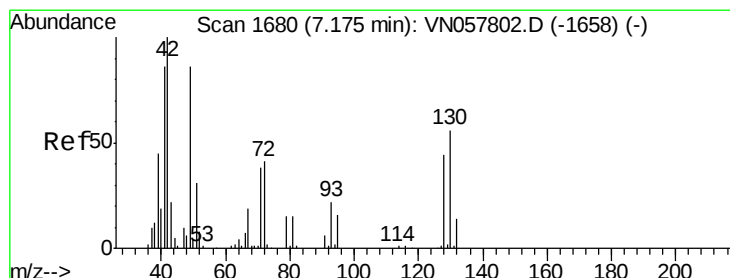
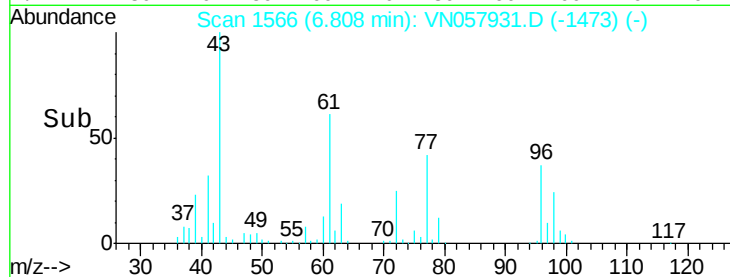
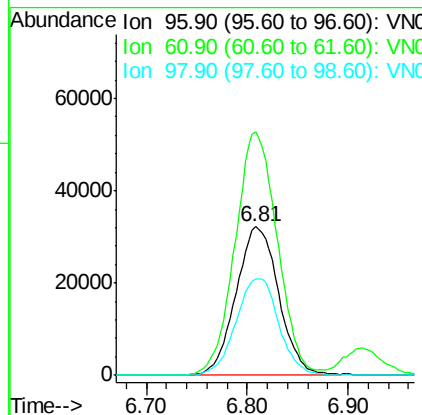
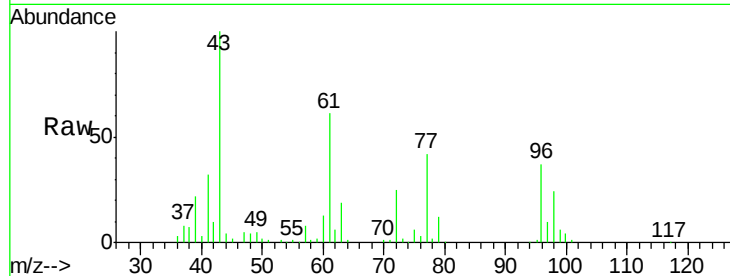
ClientSampleId :

VN0912WBS01

Tot Ion:	96	Resp:	94922
Ion	Ratio	Lower	Upper
96	100		
61	161.7	0.0	314.0
98	65.1	0.0	128.6

Manual Integrations
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MMDadoda
9/13/2019 11:07:29 AM



#28

Bromochloromethane

Concen: 19.938 ug/l

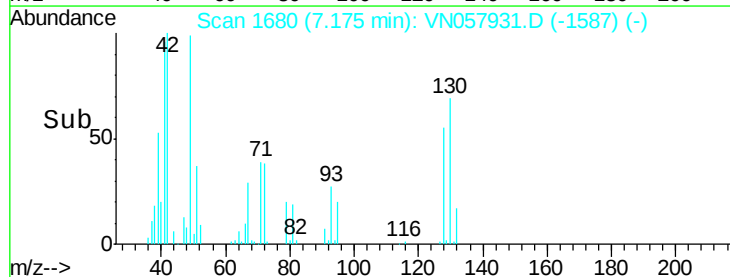
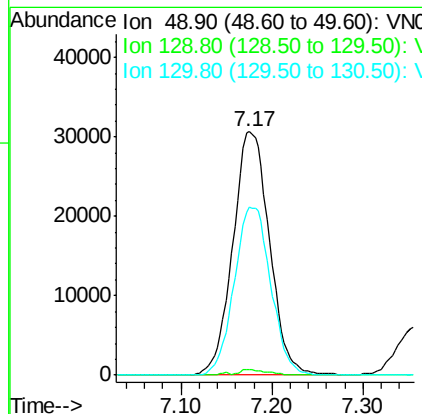
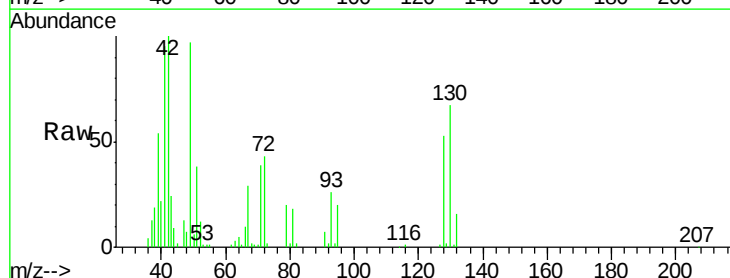
RT: 7.17 min Scan# 1680

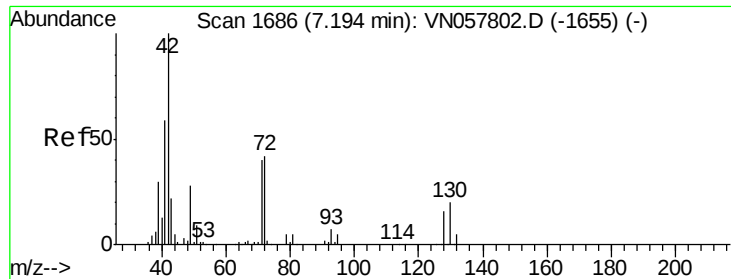
Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Tgt Ion:	49	Resp:	85869
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	68.5	53.0	79.6





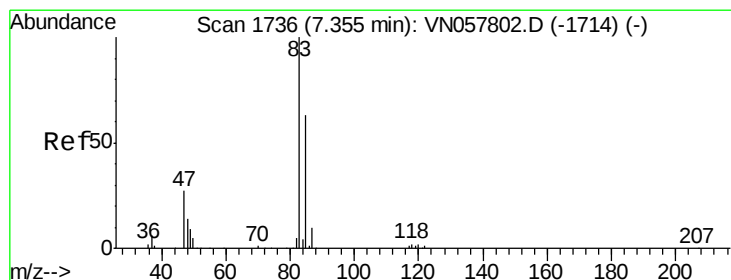
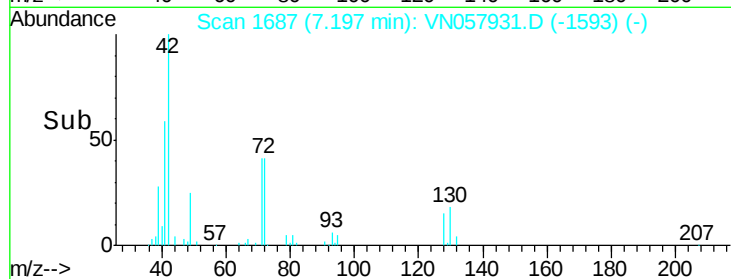
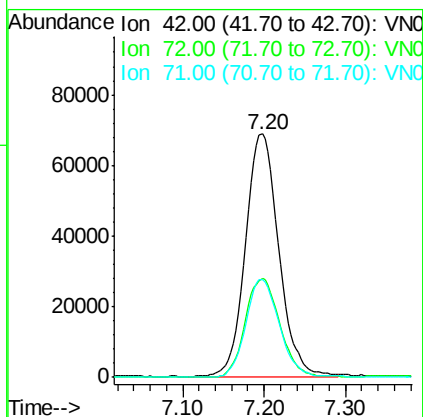
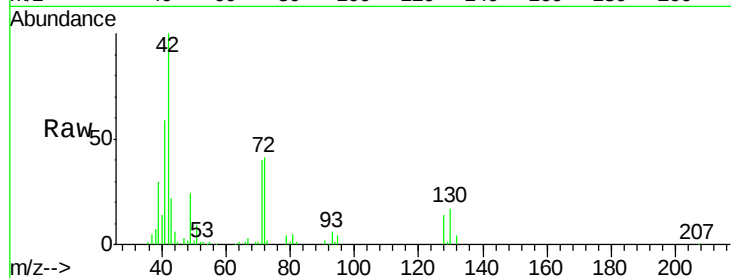
#29
Tetrahydrofuran
Concen: 101.344 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.7	50.5
71	40.4	31.9	47.9

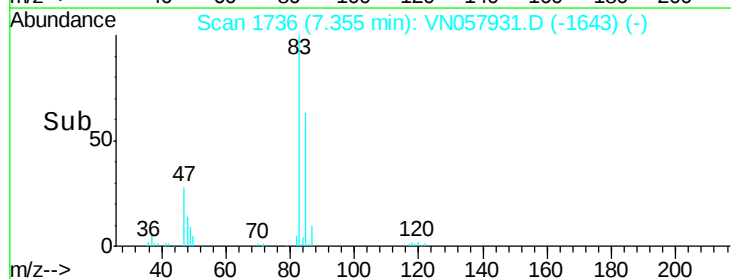
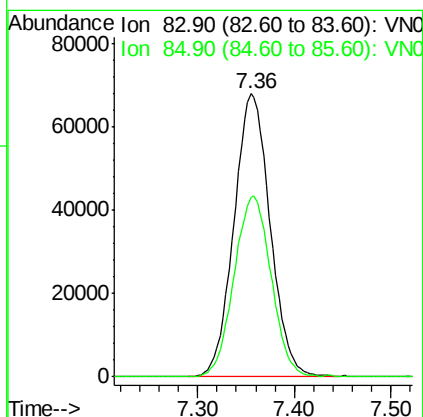
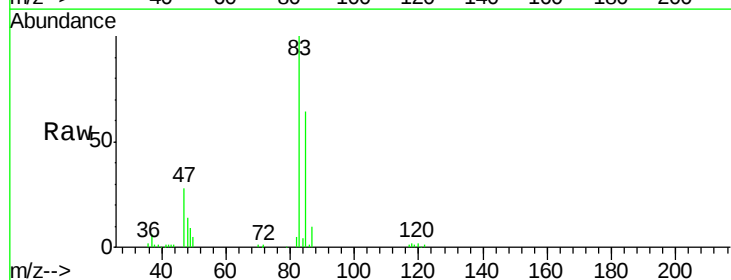
Manual Integrations
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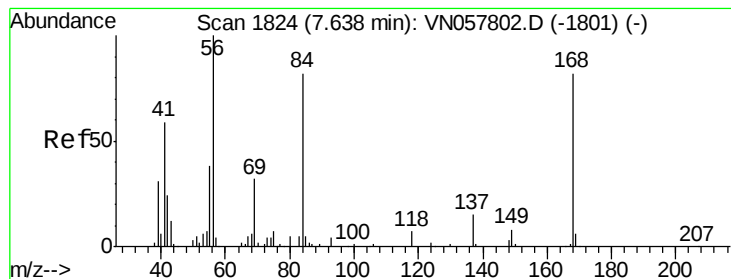
MMDadoda
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#30
Chloroform
Concen: 19.633 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.6	75.8





#31

Cyclohexane

Concen: 20.084 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Instrument :

MSVOA_N

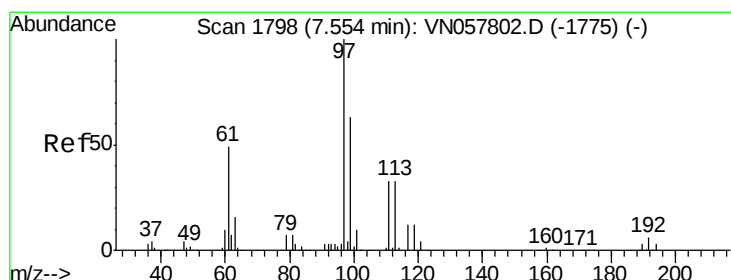
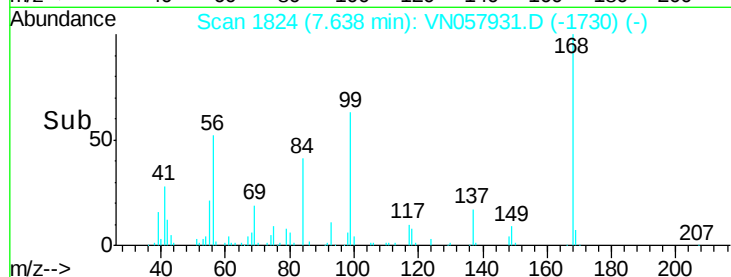
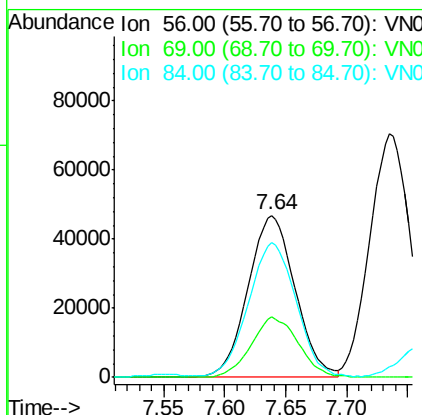
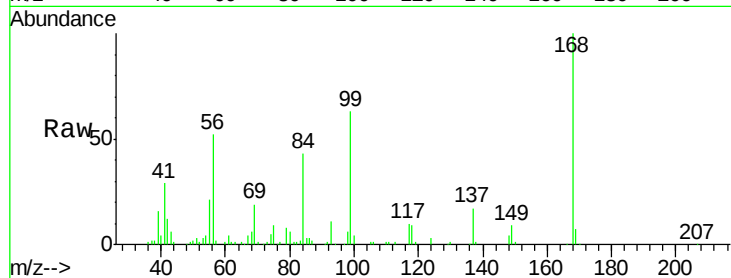
ClientSampleId :

VN0912WBS01

Tot Ion:	56	Resp:	125846
Ion Ratio	Lower	Upper	
56	100		
69	37.2	25.9	38.9
84	82.1	65.6	98.4

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#32

1,1,1-Trichloroethane

Concen: 19.132 ug/l

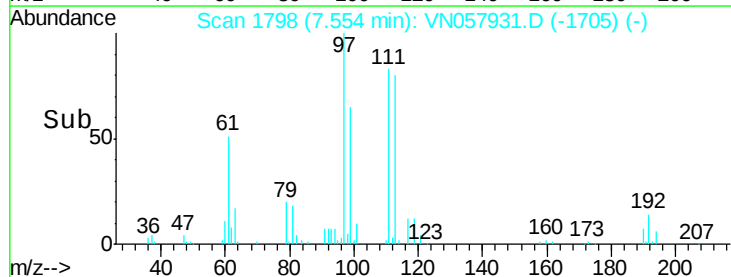
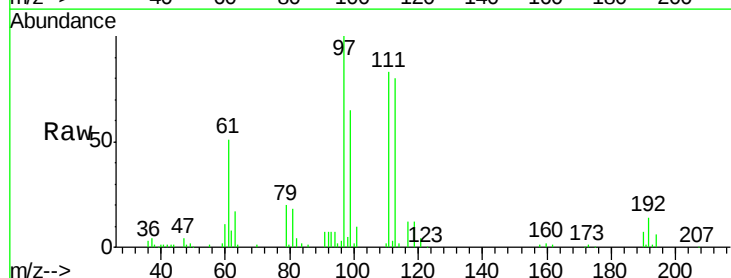
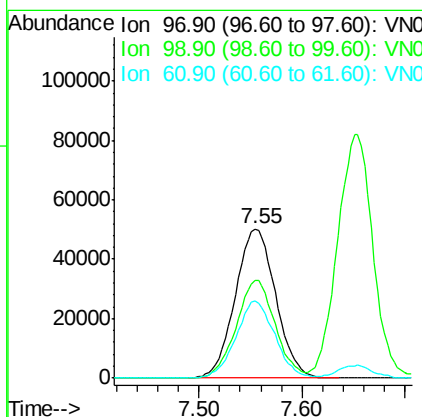
RT: 7.55 min Scan# 1798

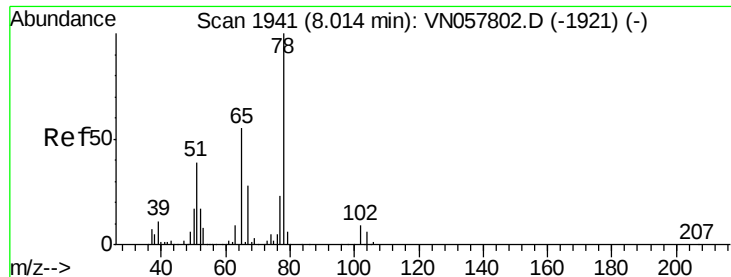
Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Tgt Ion:	97	Resp:	136773
Ion Ratio	Lower	Upper	
97	100		
99	62.9	51.0	76.4
61	49.9	39.0	58.6





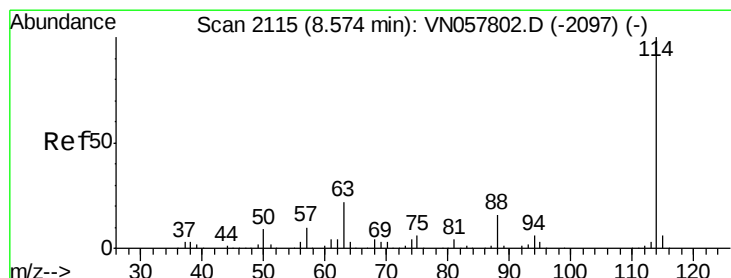
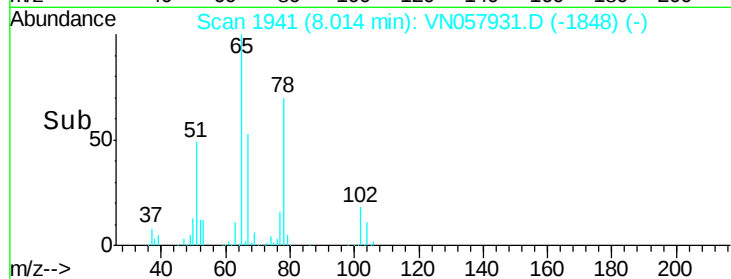
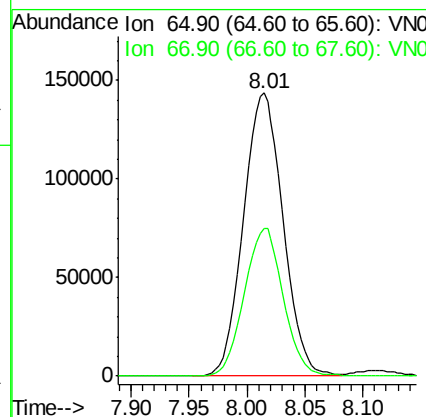
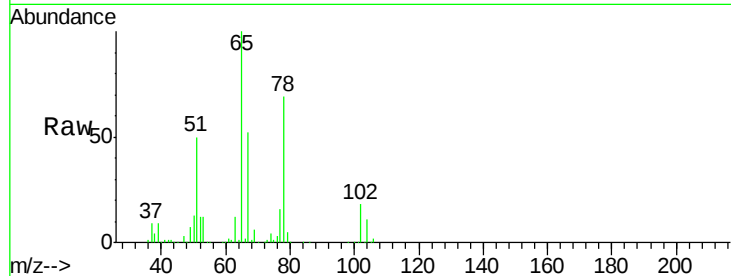
#33
 1,2-Dichloroethane-d4
 Concen: 52.182 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	341147		
67	51.3	0.0	104.0	

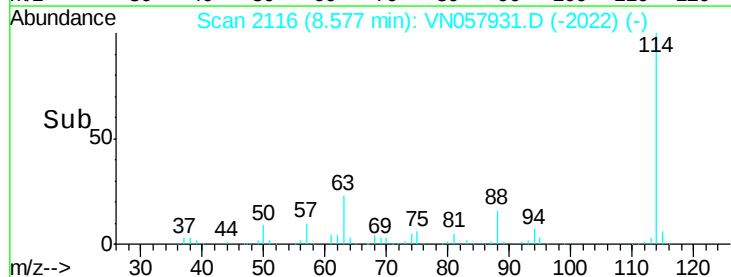
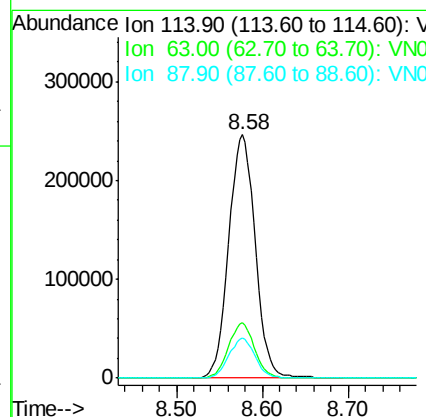
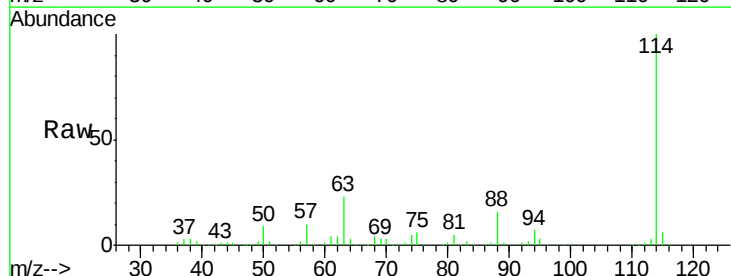
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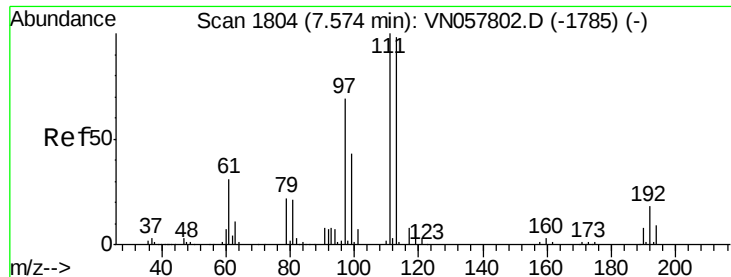
MMDadoda
 9/13/2019 11:07:29 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	527756		
63	22.8	0.0	44.0	
88	16.5	0.0	31.4	





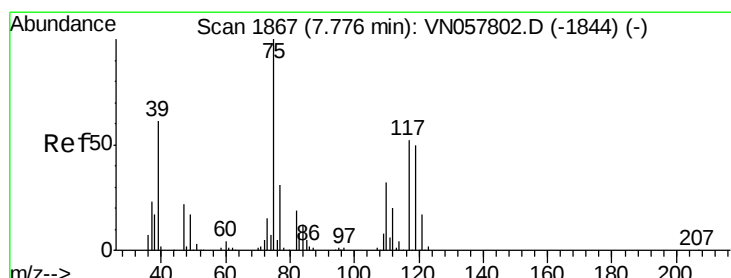
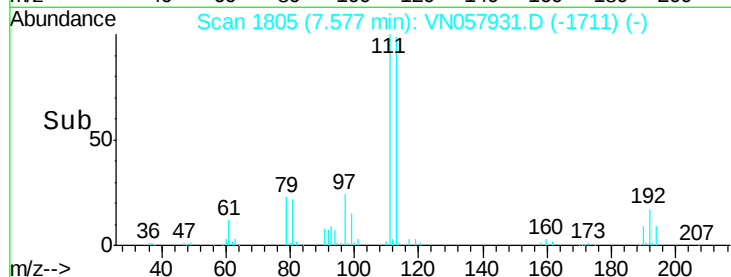
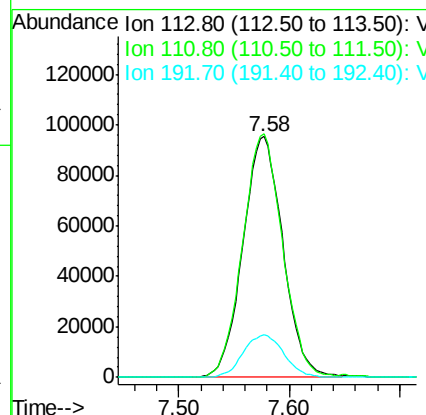
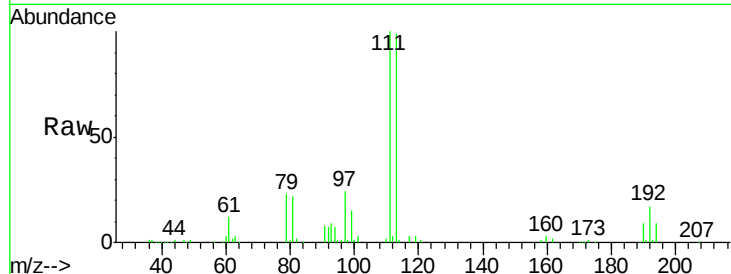
#35
 Dibromofluoromethane
 Concen: 49.179 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	239552		
111	100.8	81.3	121.9	
192	18.0	14.6	22.0	

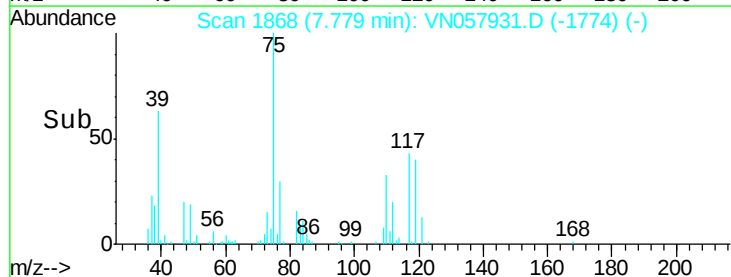
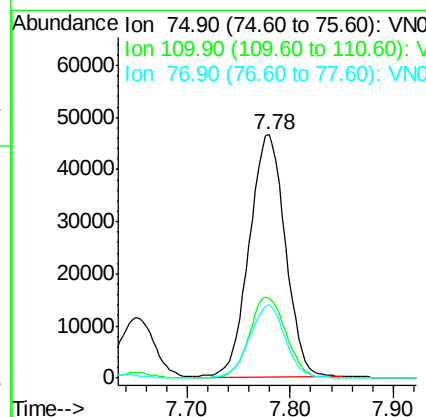
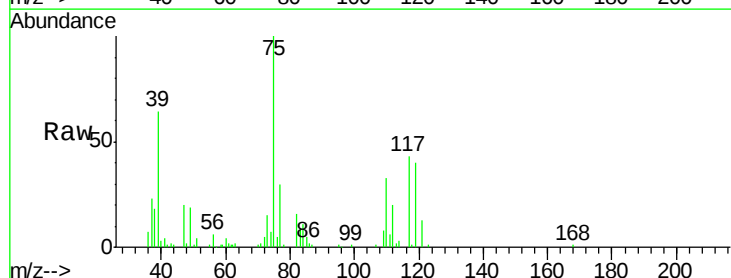
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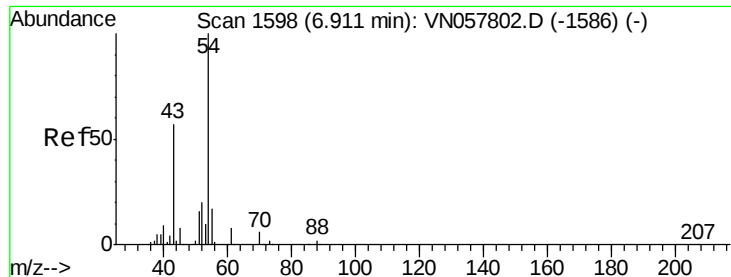
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#36
 1,1-Dichloropropene
 Concen: 18.440 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	112865		
110	34.0	16.3	48.9	
77	30.1	25.0	37.4	





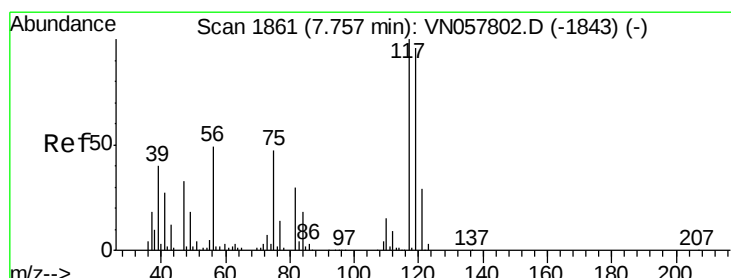
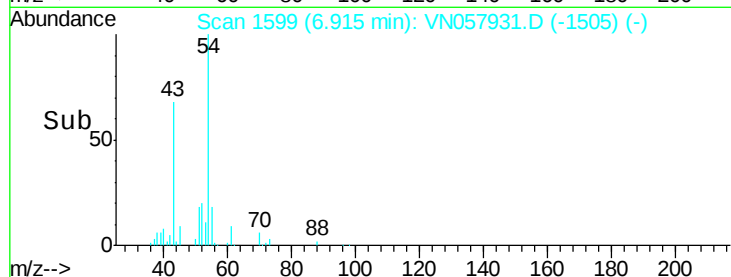
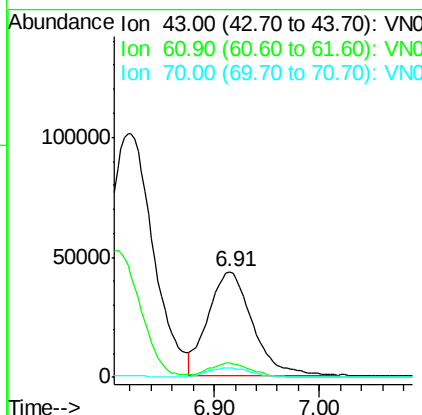
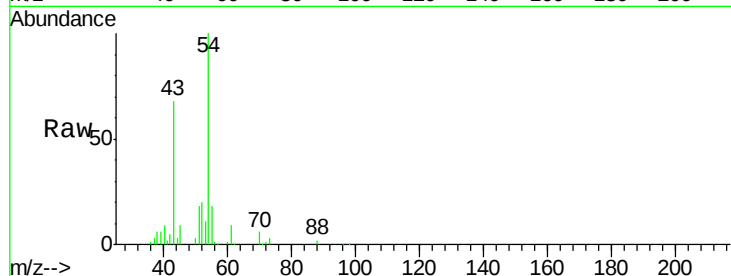
#37
Ethyl Acetate
Concen: 19.999 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.1	10.5	15.7	
70	9.2	7.4	11.0	

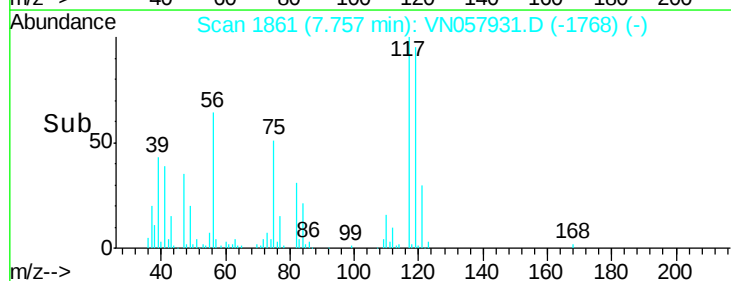
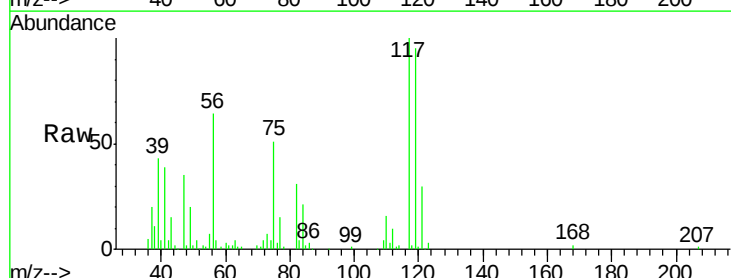
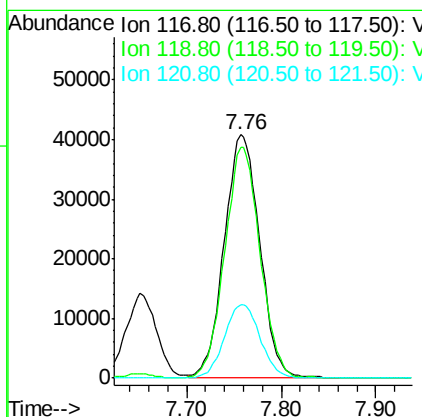
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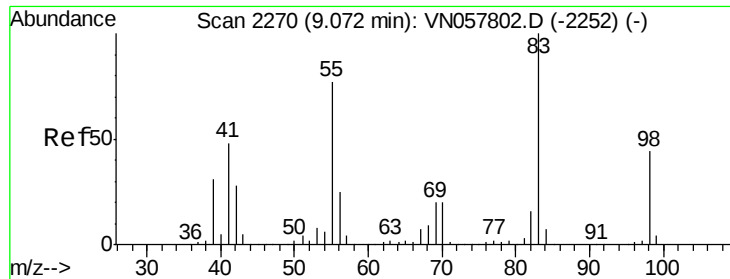
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#38
Carbon Tetrachloride
Concen: 19.065 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.1	76.9	115.3	
121	30.0	23.4	35.2	





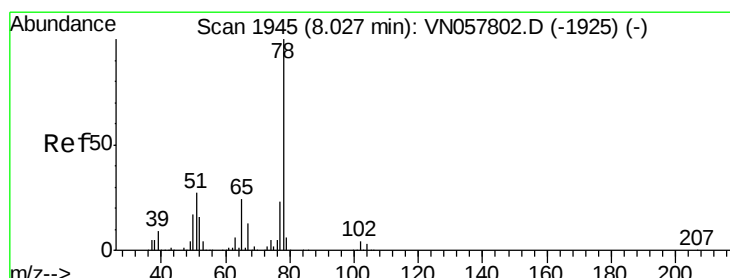
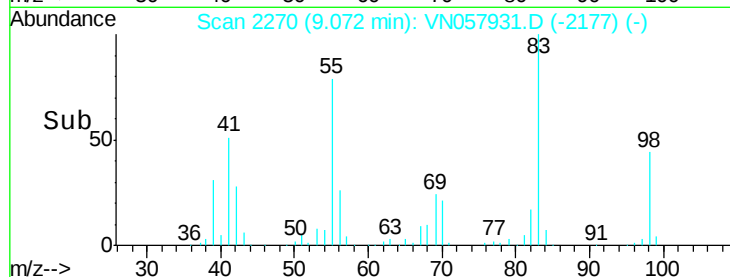
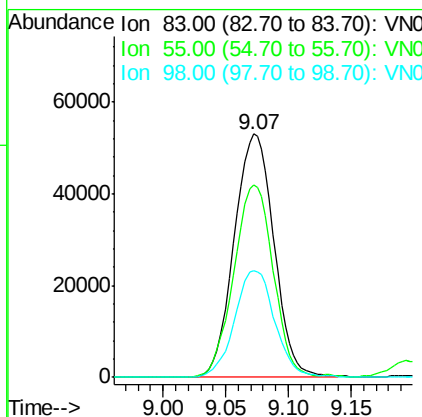
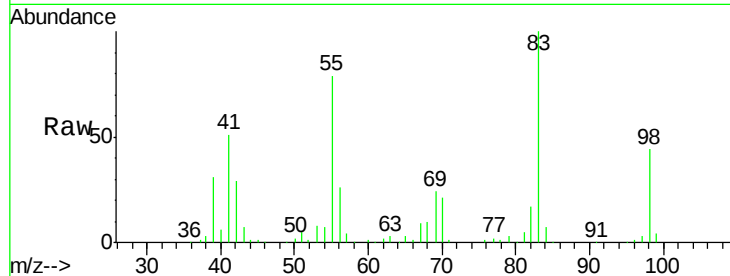
#39
Methvlcvclohexane
Concen: 18.197 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.3	61.6	92.4	
98	43.8	34.9	52.3	

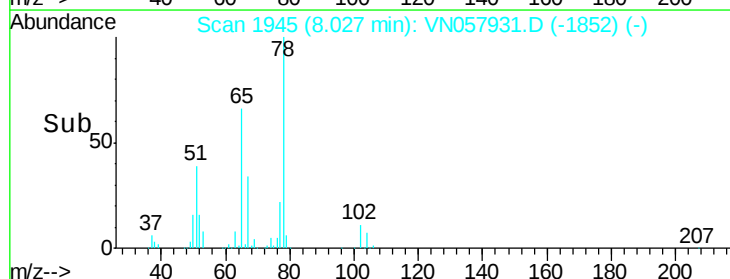
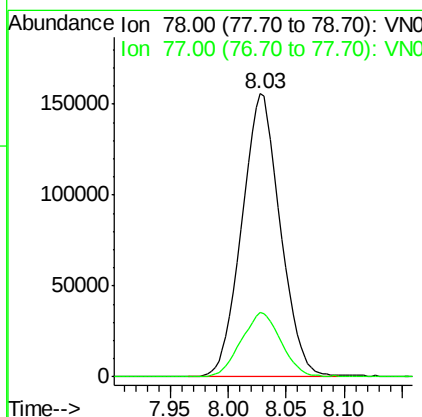
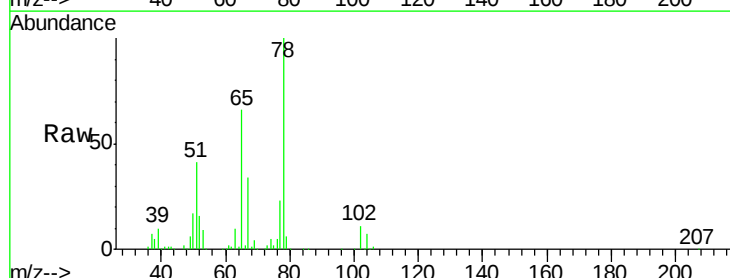
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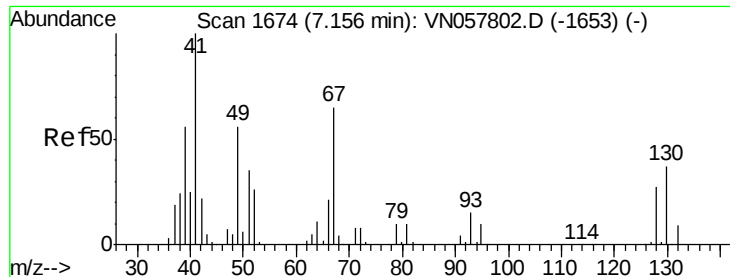
MMDadoda
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#40
Benzene
Concen: 19.551 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.7	18.3	27.5	





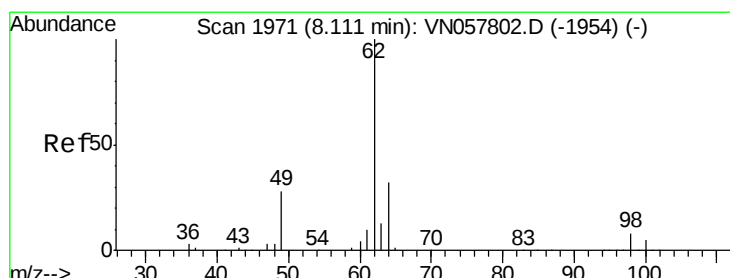
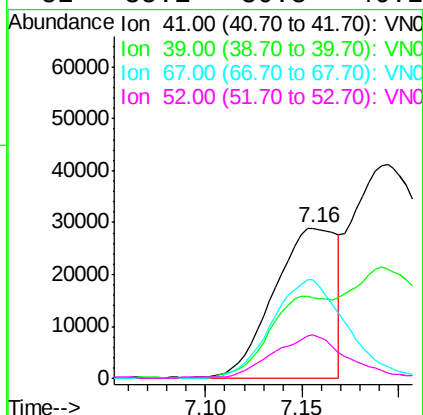
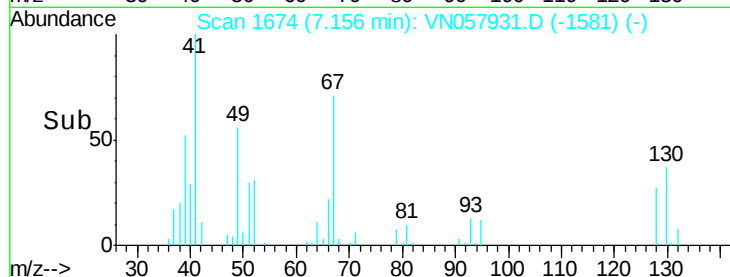
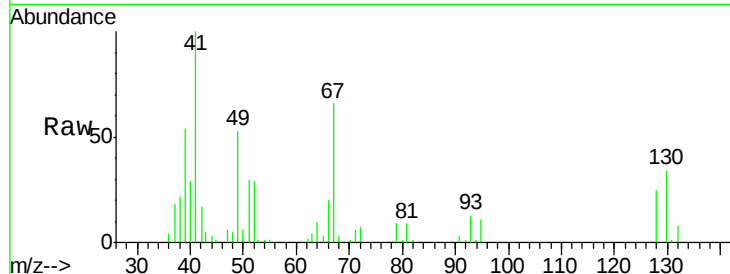
#41
Methacrylonitrile
Concen: 22.801 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.7	51.0	76.6
67	78.9	70.7	106.1
52	35.1	30.8	46.2

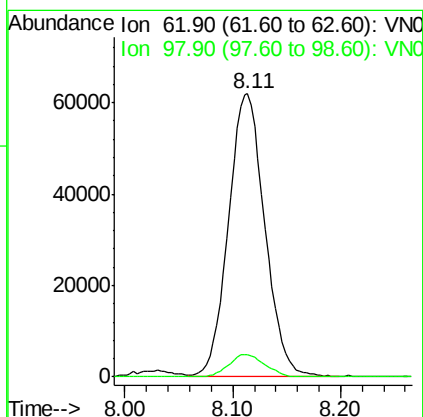
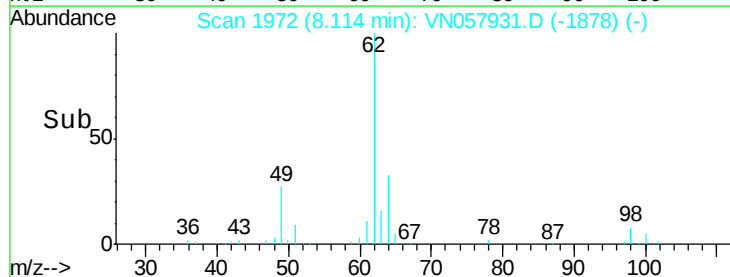
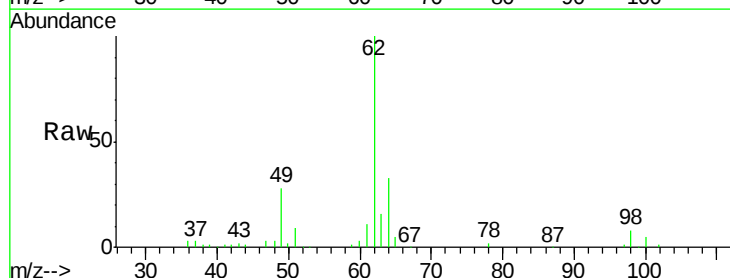
Manual Integrations
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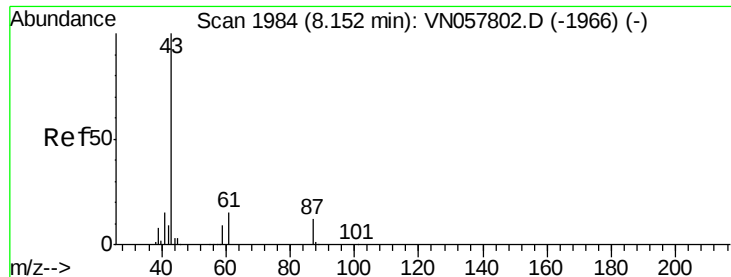
MMDadoda
9/13/2019 11:07:29 AM



#42
1,2-Dichloroethane
Concen: 19.546 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





#43

Isopropyl Acetate

Concen: 19.667 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Instrument :

MSVOA_N

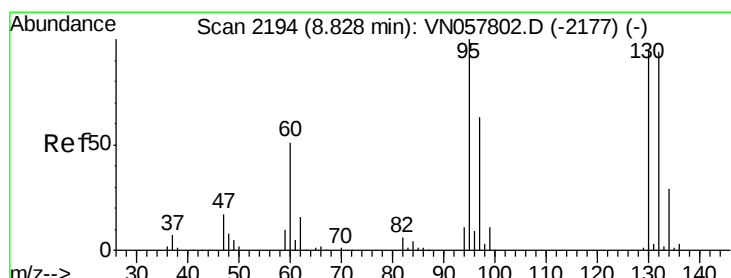
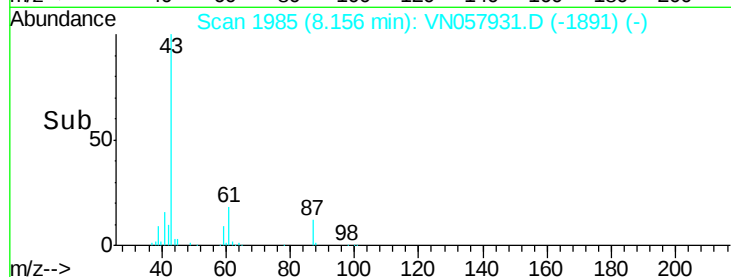
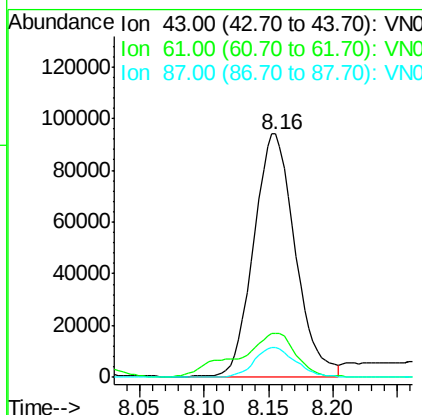
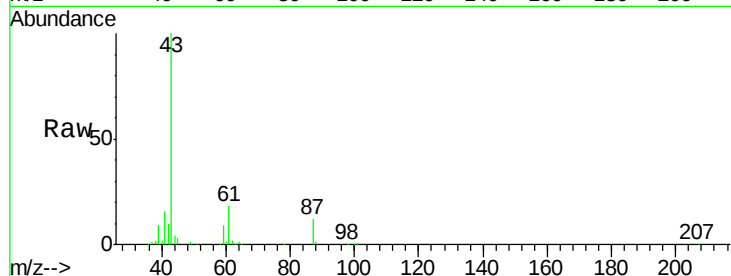
ClientSampleId :

VN0912WBS01

Tot Ion:	43	Resp:	209148
Ion	Ratio	Lower	Upper
43	100		
61	18.3	20.1	30.1#
87	12.4	9.5	14.3

Manual Integrations
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MMDadoda
9/13/2019 11:07:29 AM



#44

Trichloroethene

Concen: 18.883 ug/l

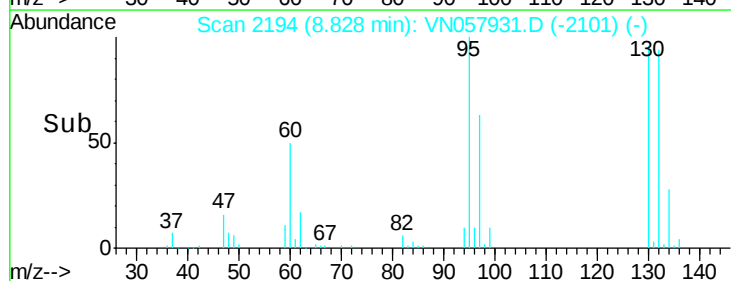
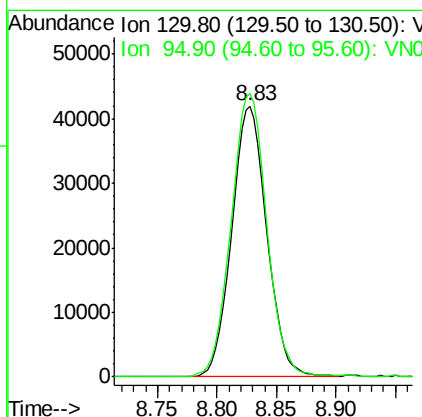
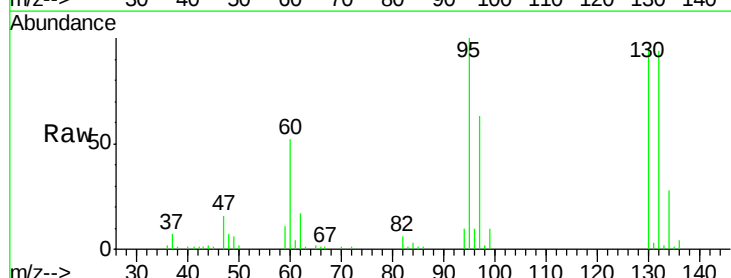
RT: 8.83 min Scan# 2194

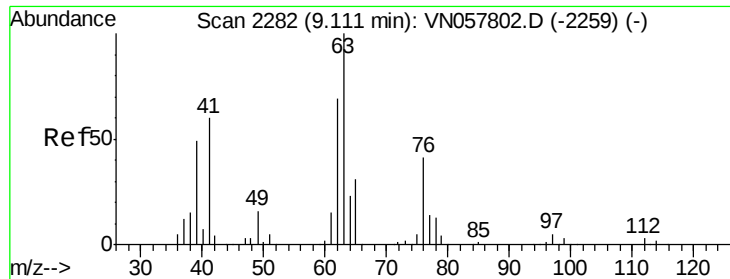
Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Tgt Ion:	130	Resp:	85344
Ion	Ratio	Lower	Upper
130	100		
95	104.5	0.0	211.4





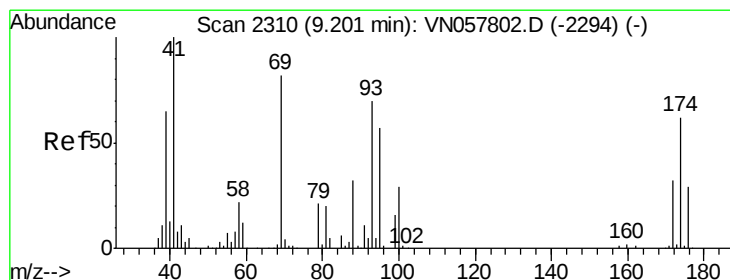
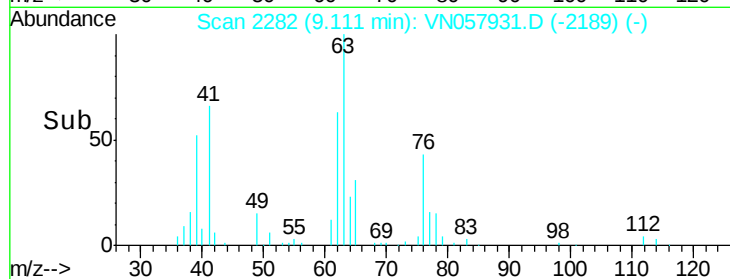
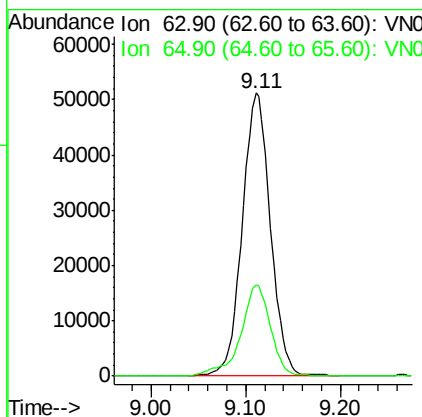
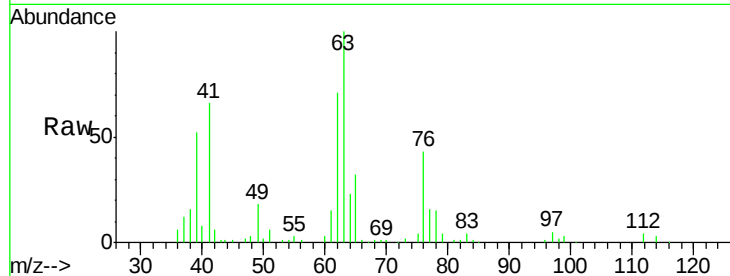
#45
 1,2-Dichloropropane
 Concen: 19.709 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	24.8	37.2

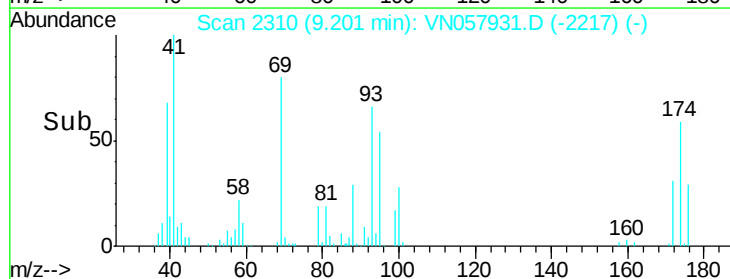
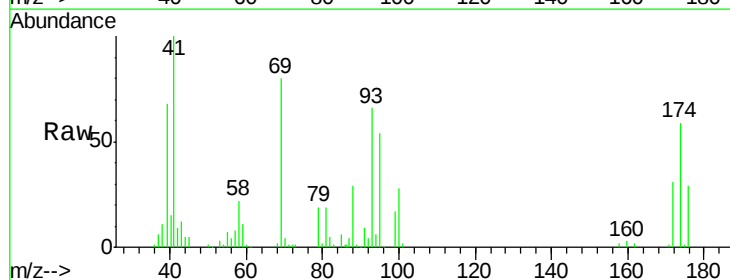
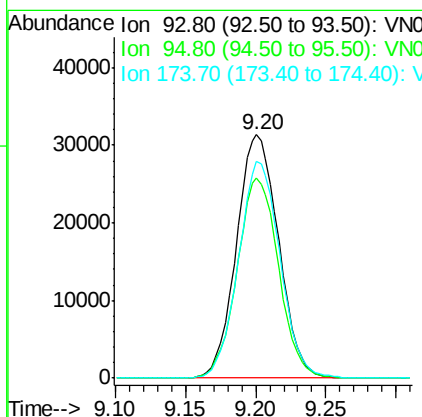
Manual Integrations
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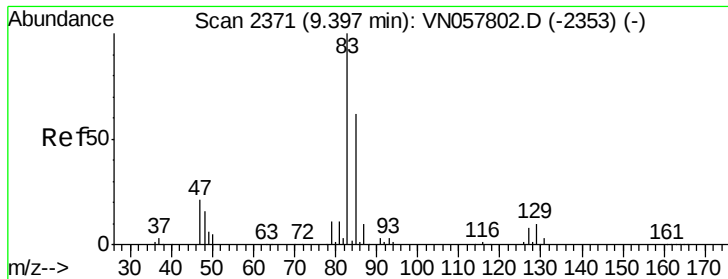
MMDadoda
 9/13/2019 11:07:29 AM



#46
 Dibromomethane
 Concen: 20.198 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.9	98.9
174	88.0	71.8	107.6





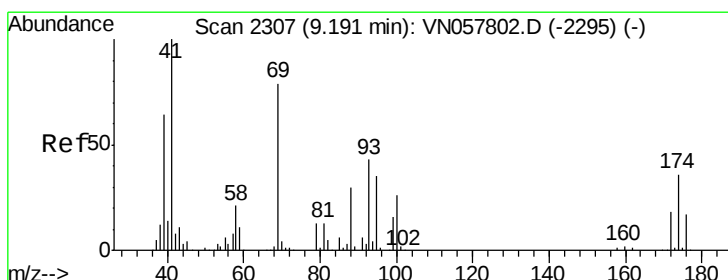
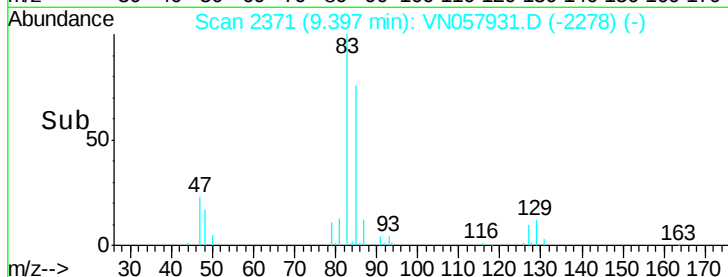
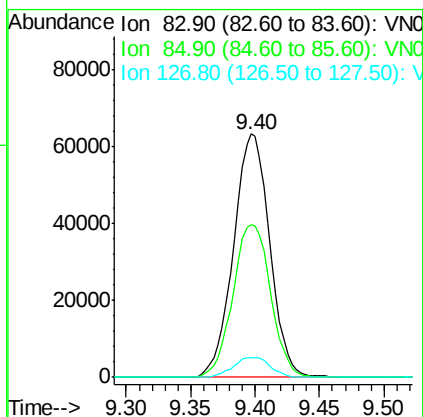
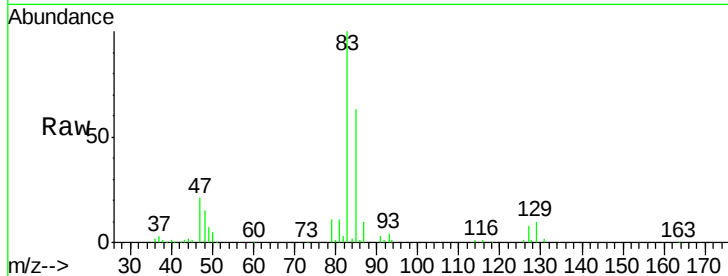
#47
Bromodichloromethane
Concen: 19.090 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	123514		
85	62.9	49.9	74.9	
127	8.1	6.5	9.7	

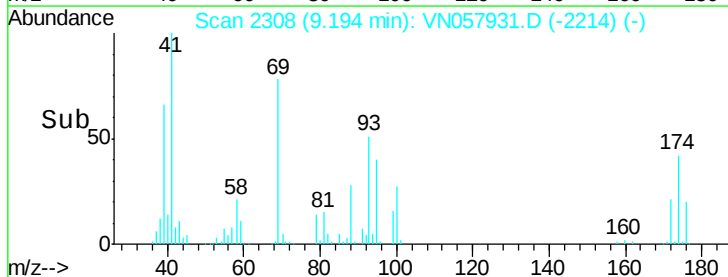
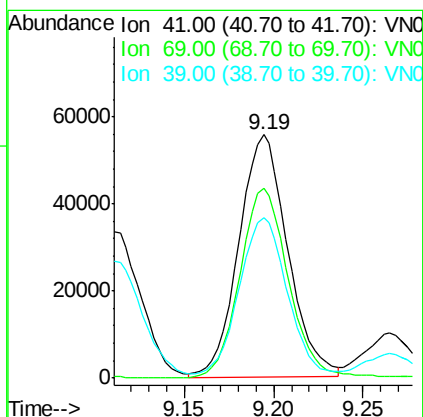
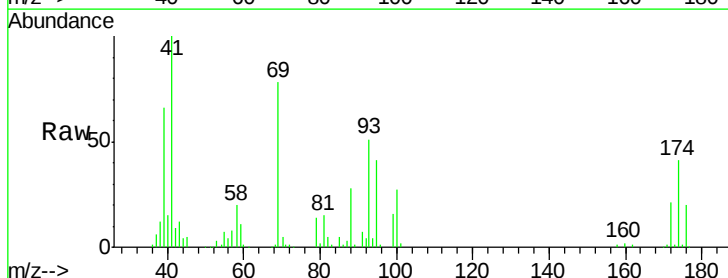
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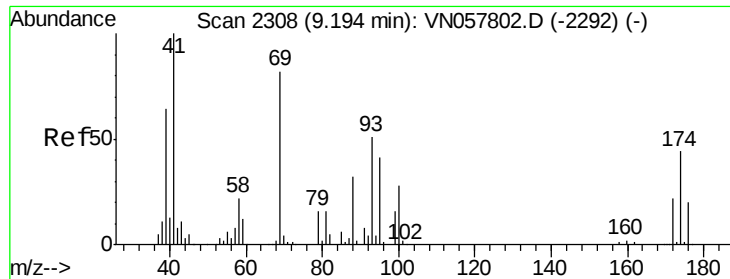
MMDadoda
9/13/2019 11:07:29 AM



#48
Methyl methacrylate
Concen: 19.763 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	106611		
69	78.0	62.7	94.1	
39	65.1	52.7	79.1	





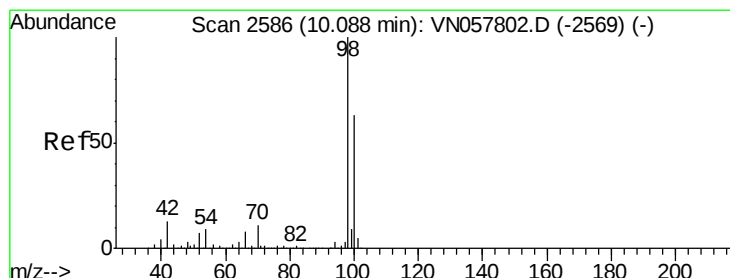
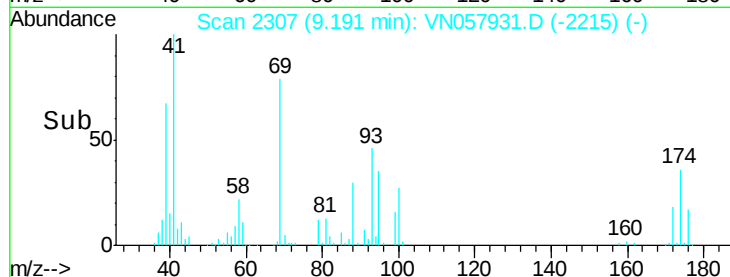
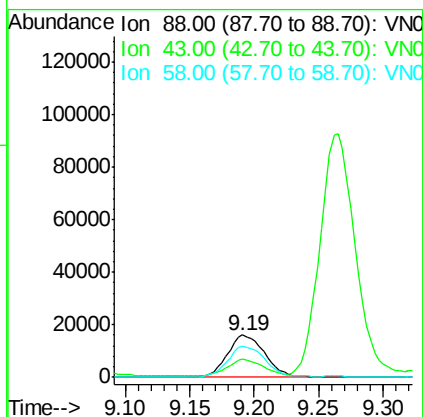
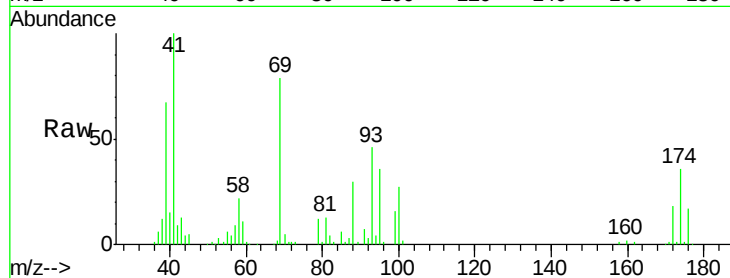
#49
 1,4-Dioxane
 Concen: 359.496 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.6	28.5	42.7
58	74.0	55.8	83.6

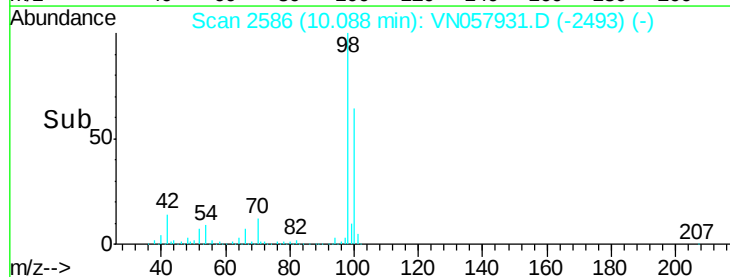
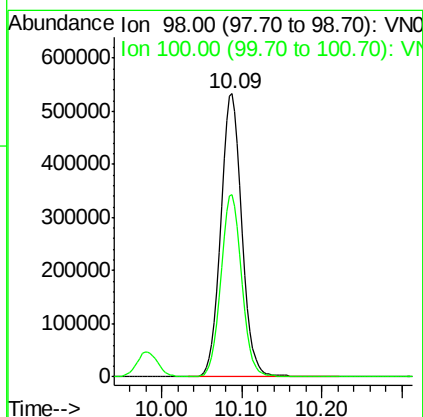
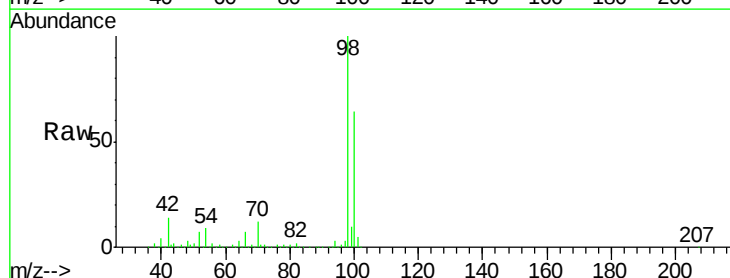
Manual Integrations
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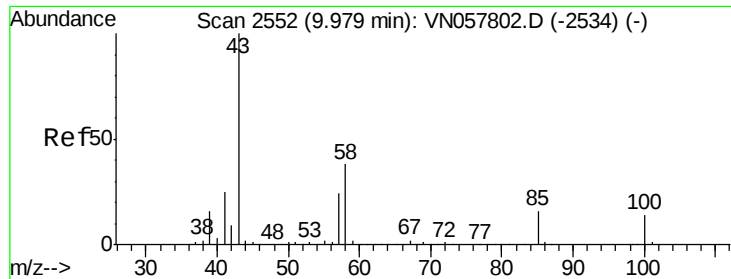
MMDadoda
 9/13/2019 11:07:29 AM



#50
 Toluene-d8
 Concen: 51.529 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 107.364 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

Tot Ion: 43 Resp: 675655

Ion Ratio Lower Upper

43 100

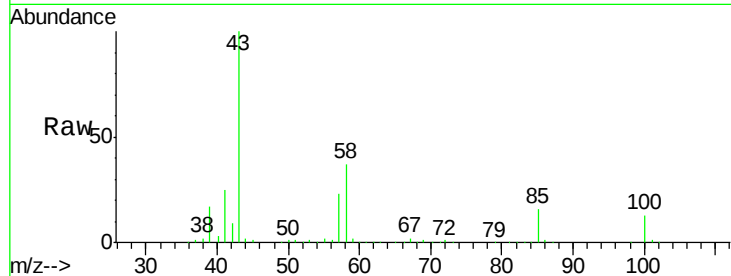
58 36.9 29.8 44.6

Manual Integrations

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MMDadoda

9/13/2019 11:07:29 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

400000

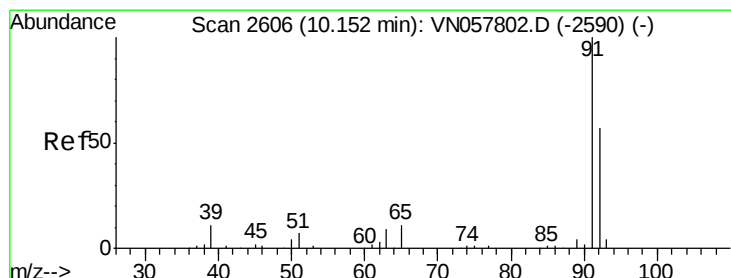
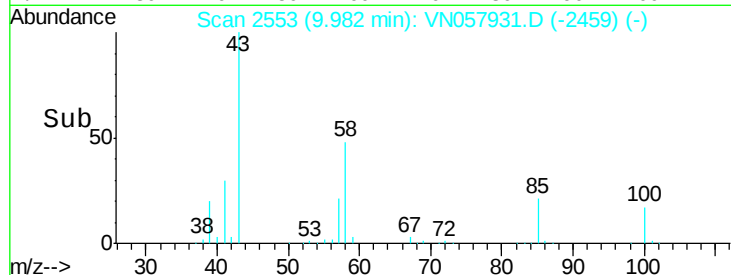
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.327 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057931.D

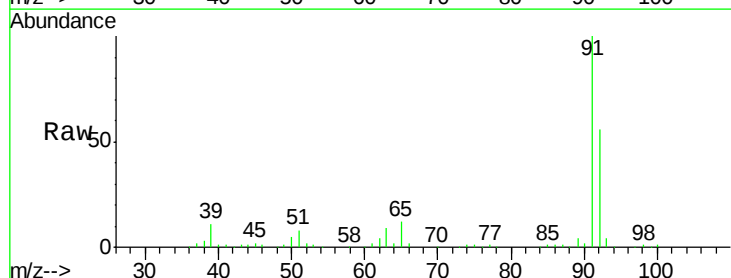
Acq: 11 Sep 2019 18:20

Tgt Ion: 92 Resp: 224309

Ion Ratio Lower Upper

92 100

91 177.9 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

250000

200000

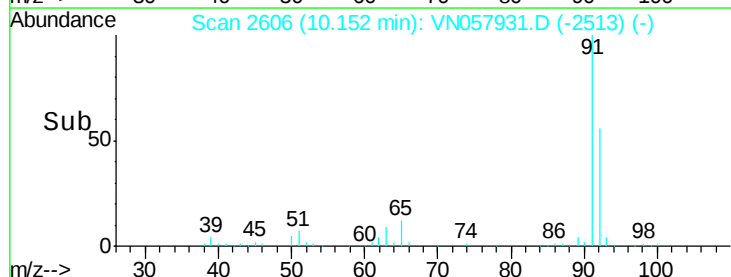
150000

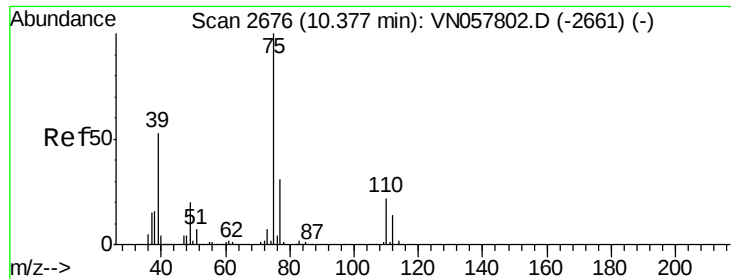
100000

50000

0

Time-->





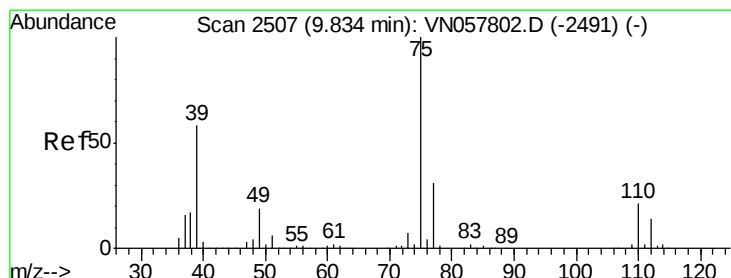
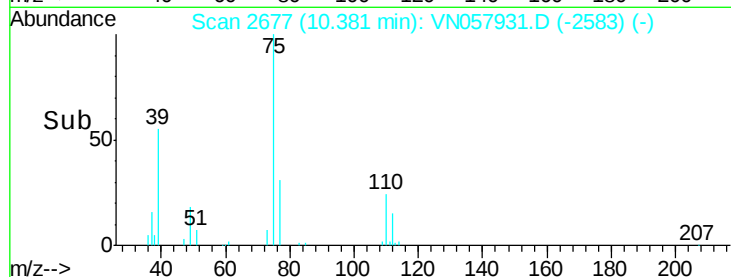
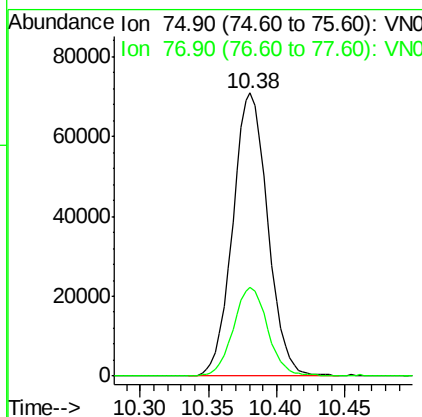
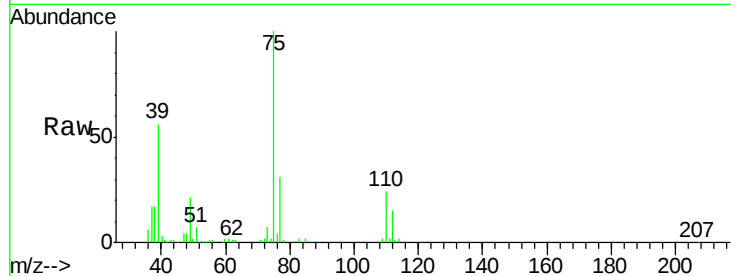
#53
t-1,3-Dichloropropene
Concen: 18.551 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.5	36.7

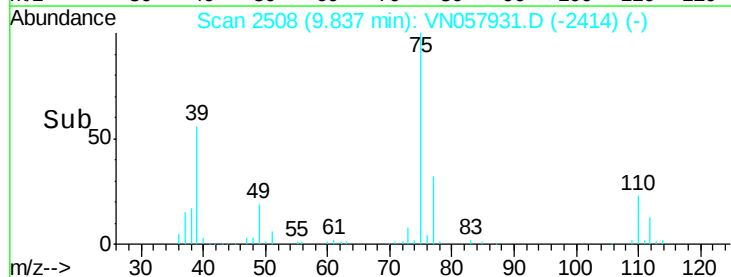
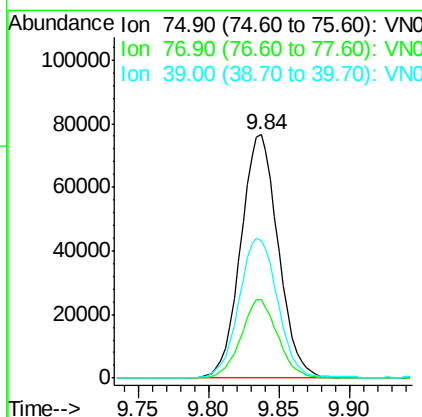
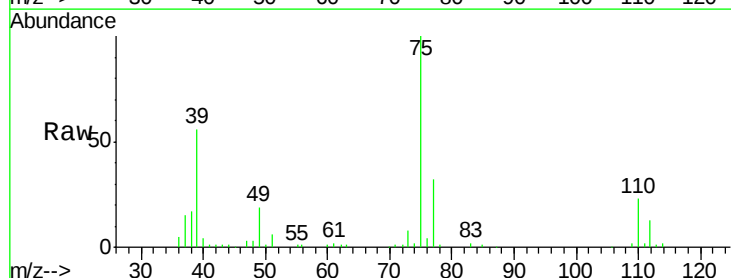
Manual Integrations
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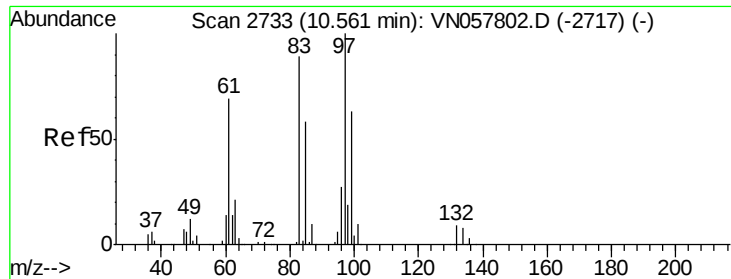
MMDadoda
9/13/2019 11:07:29 AM



#54
cis-1,3-Dichloropropene
Concen: 18.924 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.8	37.2
39	56.0	46.2	69.4





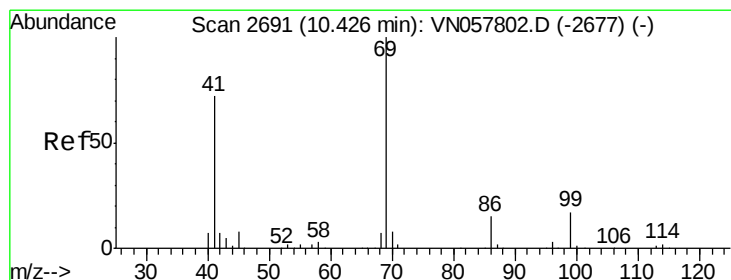
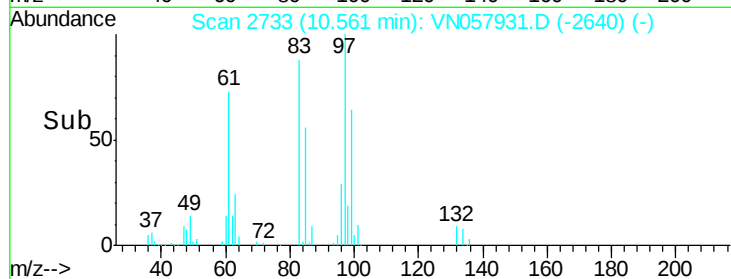
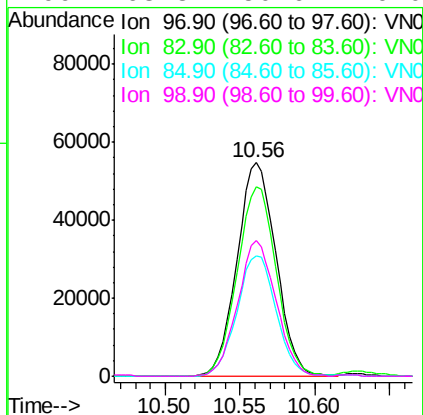
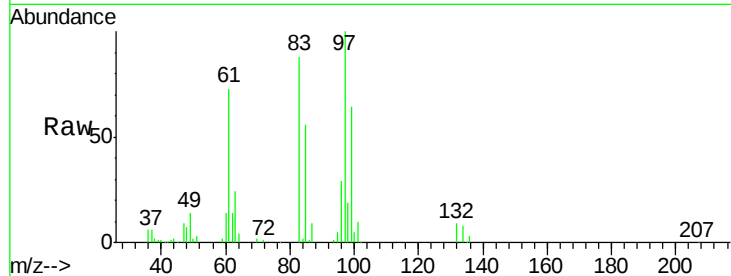
#55
 1,1,2-Trichloroethane
 Concen: 20.231 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Tot Ion:	97	Resp:	99459
Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.8	106.2
85	56.5	46.0	69.0
99	63.8	50.6	76.0

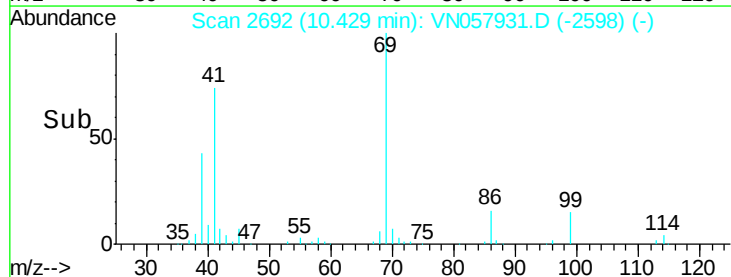
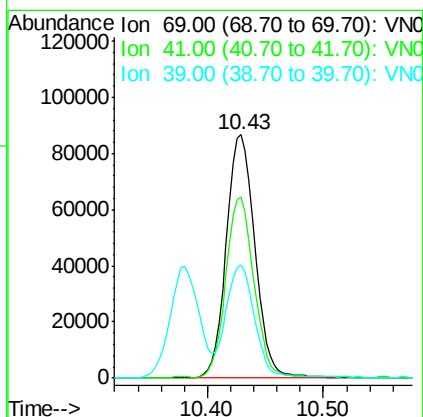
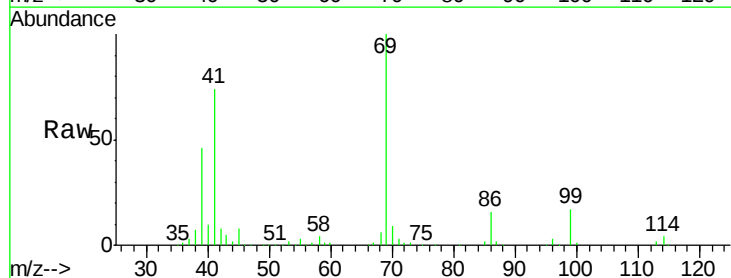
Manual Integrations
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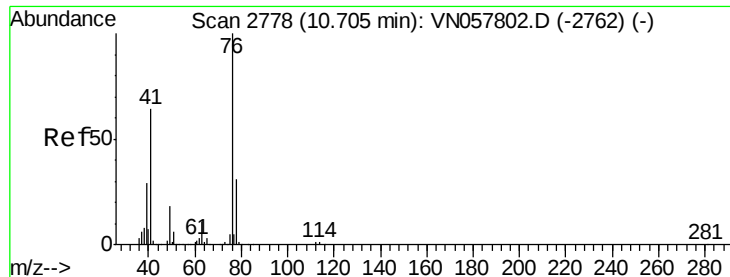
MMDadoda
 9/13/2019 11:07:29 AM



#56
 Ethyl methacrylate
 Concen: 20.106 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Tgt Ion:	69	Resp:	148847
Ion	Ratio	Lower	Upper
69	100		
41	71.8	56.7	85.1
39	45.8	36.3	54.5





#57

1,3-Dichloropropane

Concen: 20.307 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

Tot Ion: 76 Resp: 172047

Ion Ratio Lower Upper

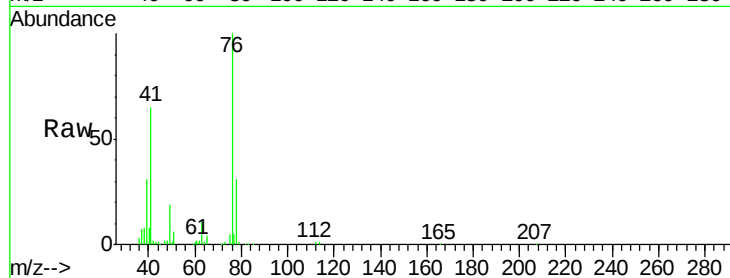
76 100

78 31.7 25.4 38.2

Manual Integrations
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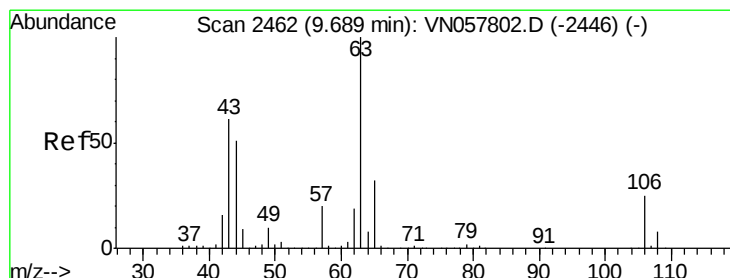
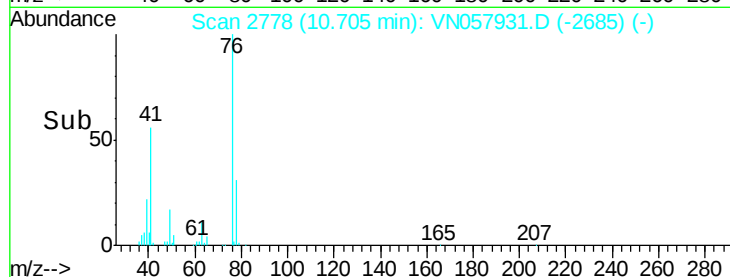
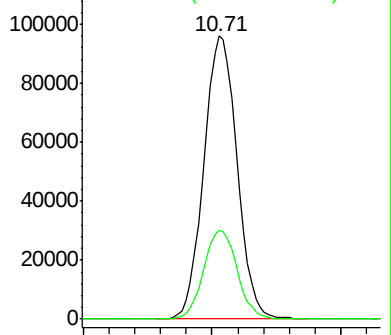
MMDadoda

9/13/2019 11:07:29 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 101.984 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057931.D

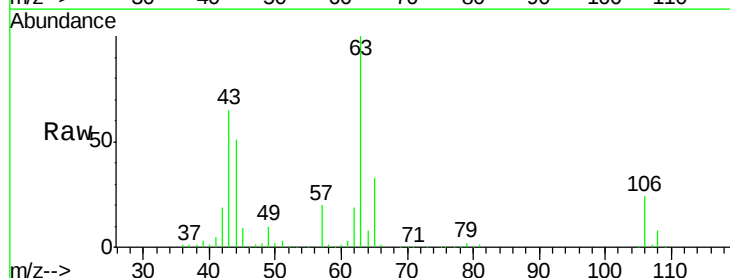
Acq: 11 Sep 2019 18:20

Tgt Ion: 63 Resp: 355603

Ion Ratio Lower Upper

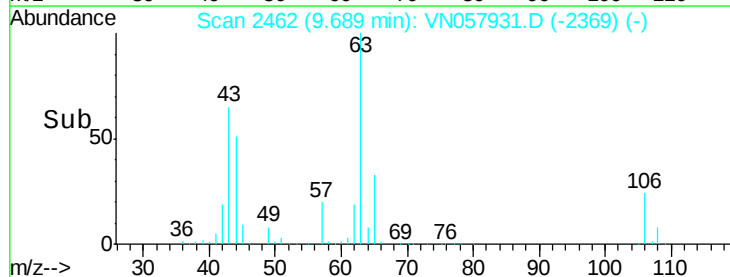
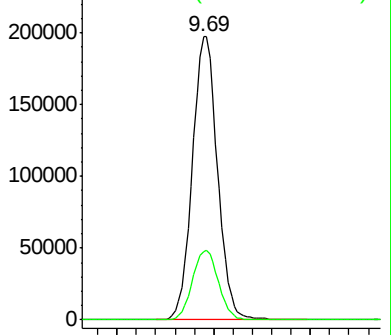
63 100

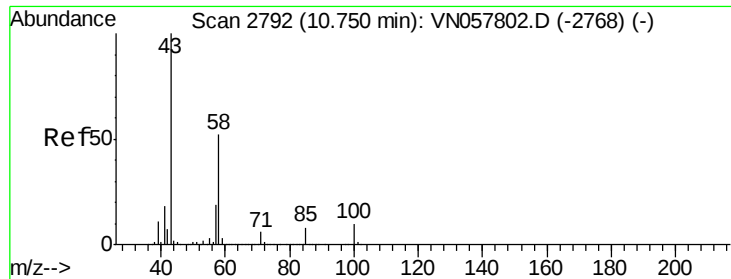
106 25.6 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





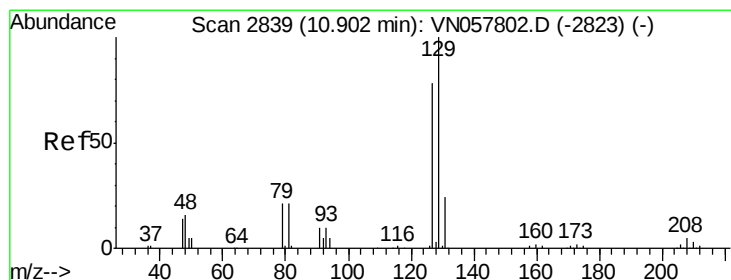
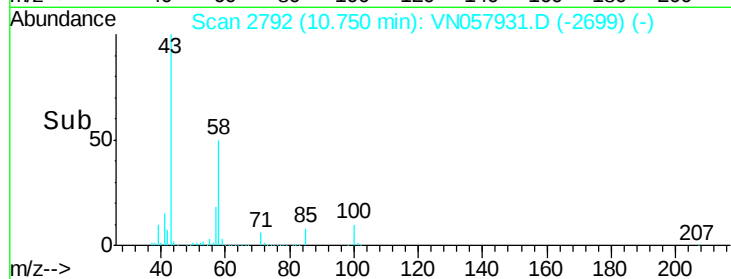
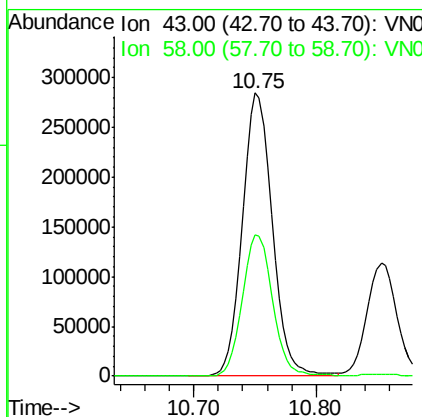
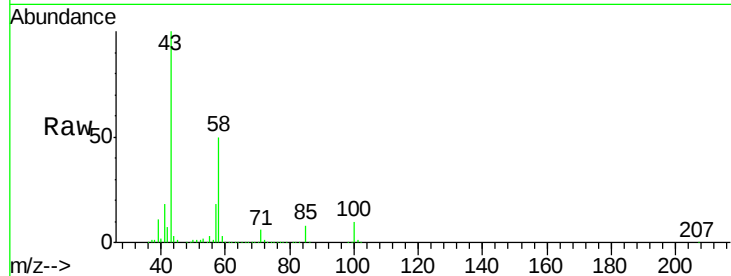
#59
2-Hexanone
Concen: 101.501 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion: 43 Resp: 478775
Ion Ratio Lower Upper
43 100
58 50.6 25.6 76.8

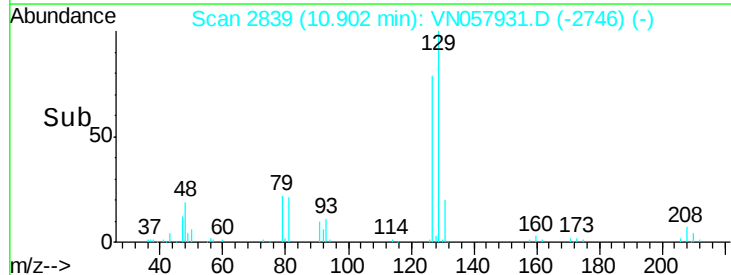
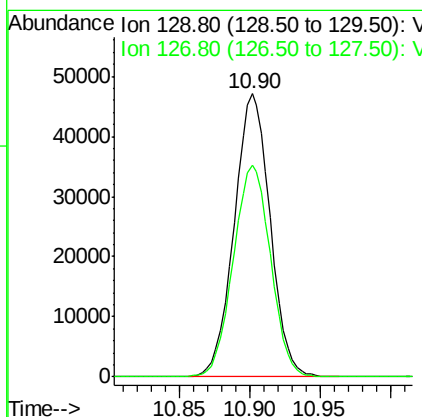
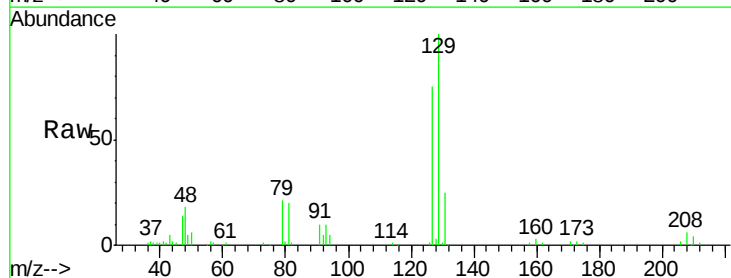
Manual Integrations
APPROVED

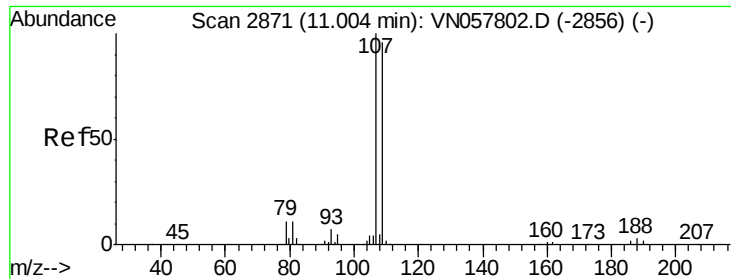
MMDadoda
9/13/2019 11:07:29 AM



#60
Dibromochloromethane
Concen: 18.422 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion: 129 Resp: 84098
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0





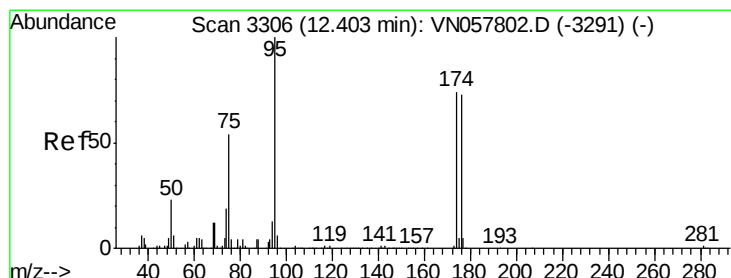
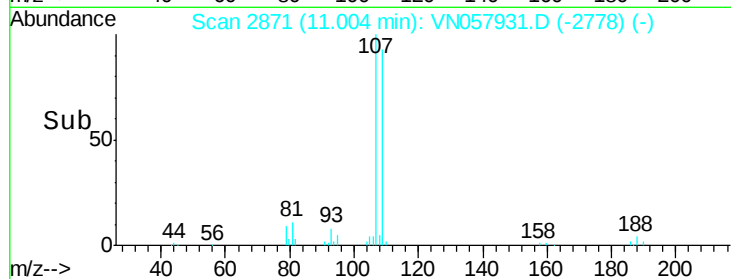
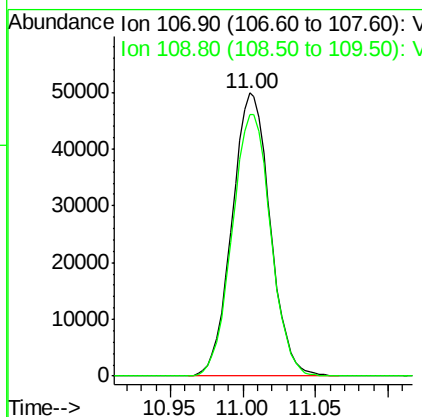
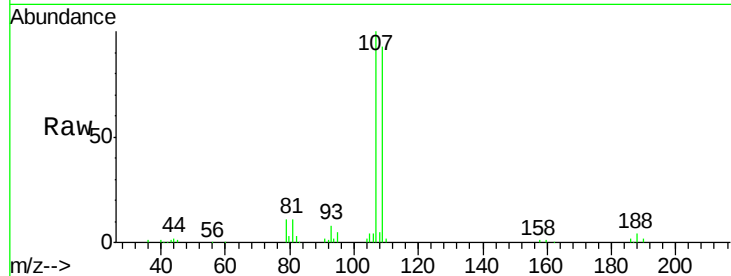
#61
 1,2-Dibromoethane
 Concen: 19.557 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Tot Ion: 107 Resp: 90895
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.3 112.9

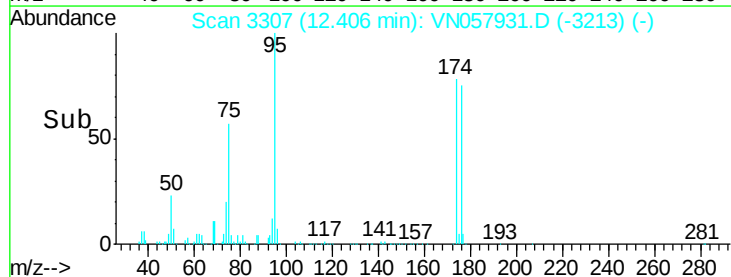
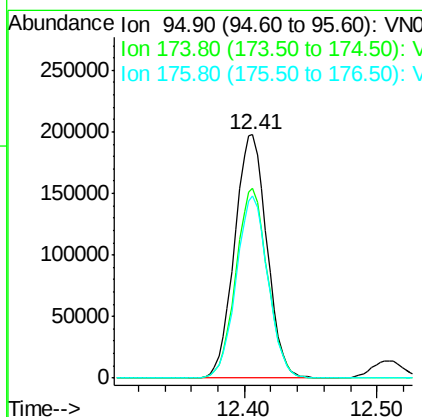
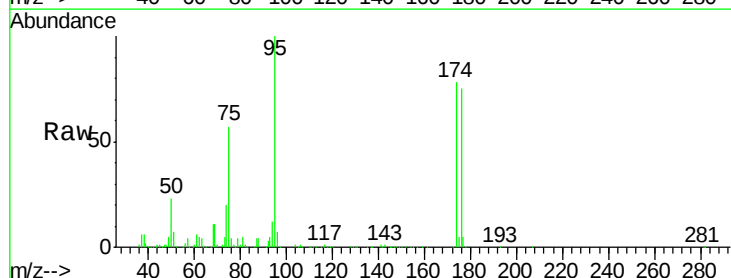
Manual Integrations
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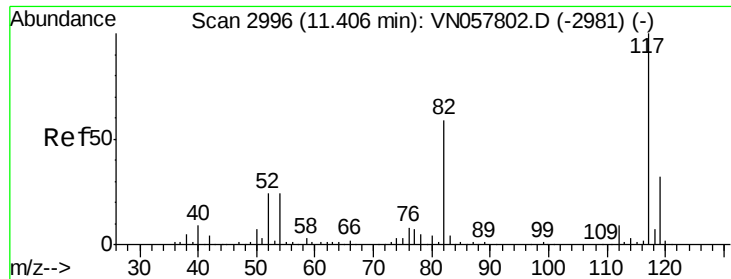
MMDadoda
 9/13/2019 11:07:29 AM



#62
 4-Bromofluorobenzene
 Concen: 46.443 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Tgt Ion: 95 Resp: 334719
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 150.2
 176 73.2 0.0 146.0





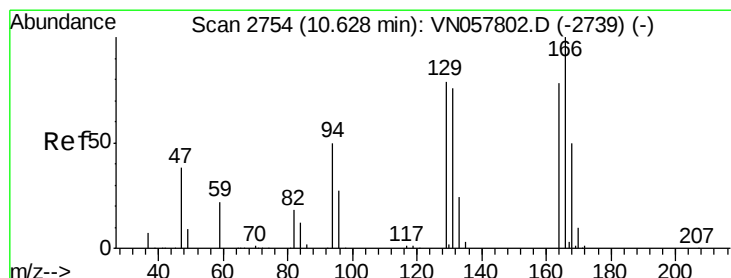
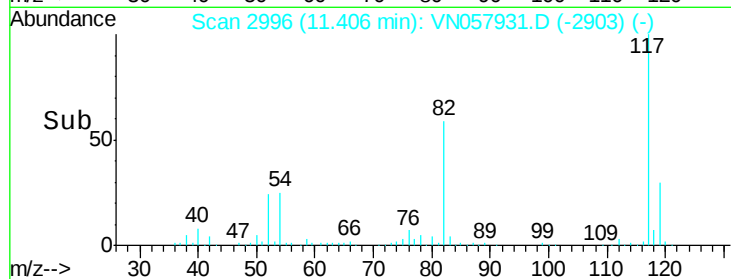
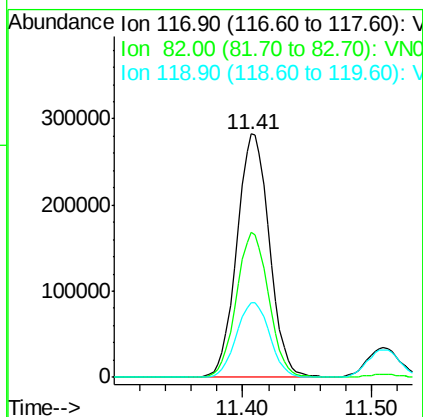
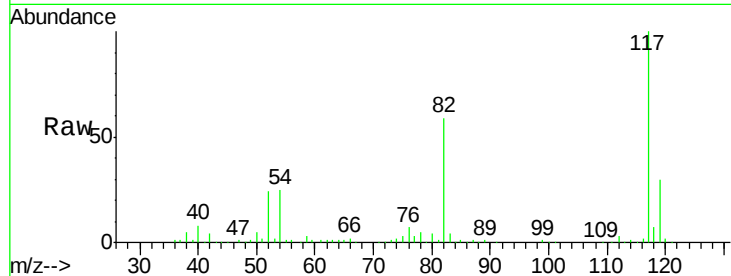
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampled :
VN0912WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.2	70.8
119	30.5	25.3	37.9

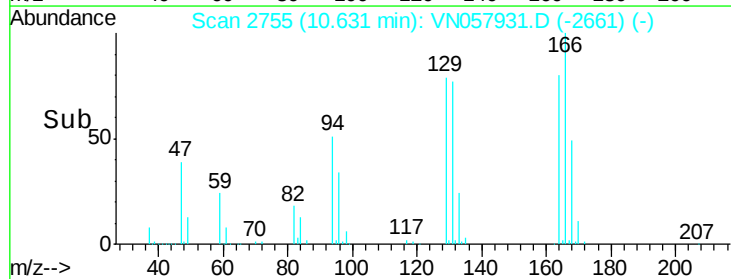
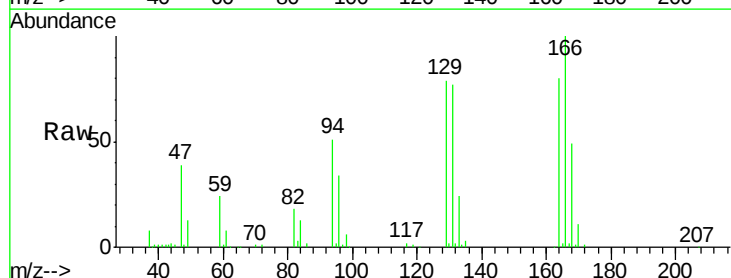
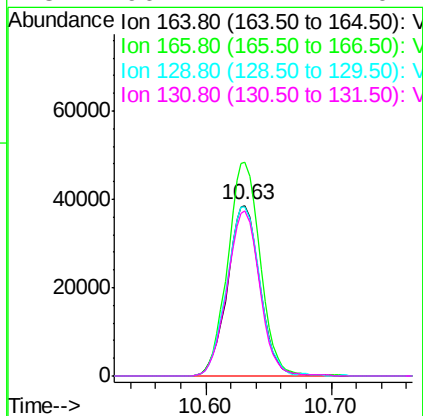
Manual Integrations
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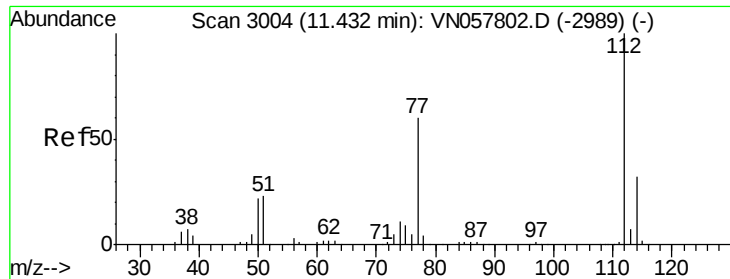
MMDadoda
9/13/2019 11:07:29 AM



#64
Tetrachloroethene
Concen: 19.000 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	102.2	153.2
129	99.0	80.8	121.2
131	96.4	77.4	116.2





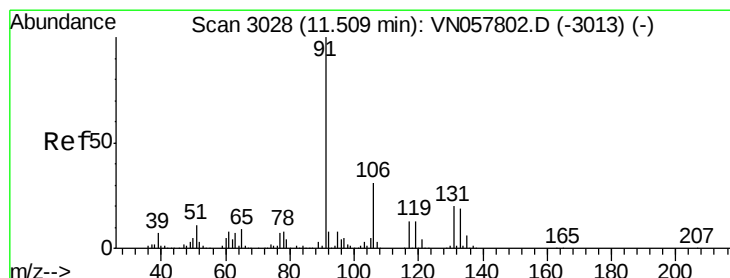
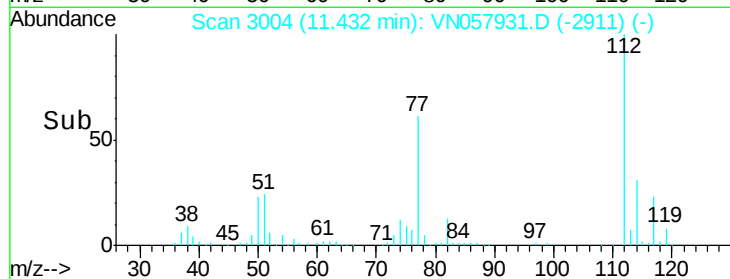
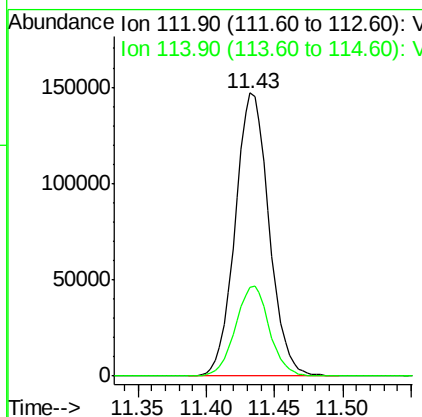
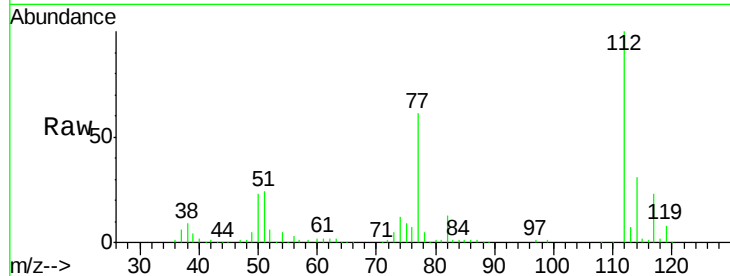
#65
Chlorobenzene
Concen: 19.549 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion:112 Resp: 253614
Ion Ratio Lower Upper
112 100
114 31.2 25.2 37.8

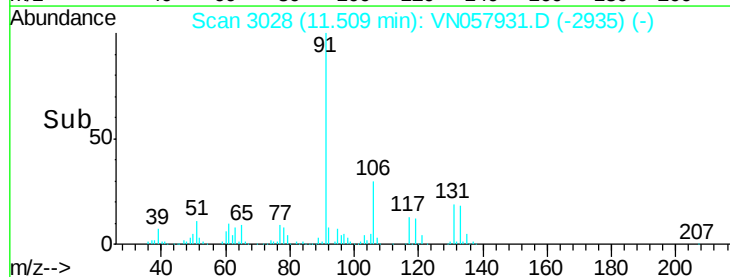
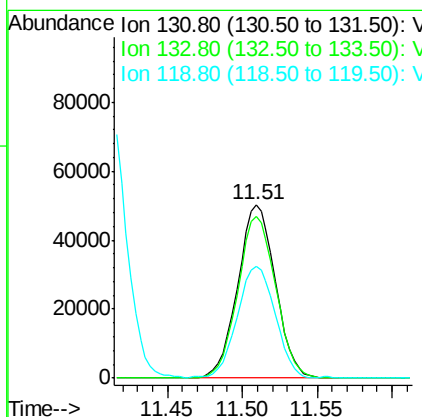
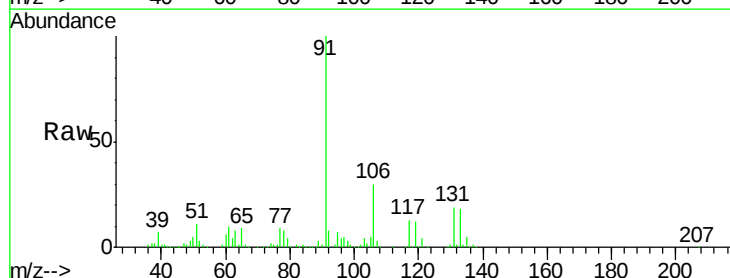
Manual Integrations
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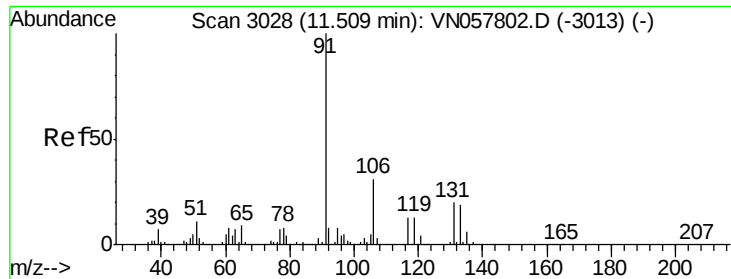
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.526 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion:131 Resp: 87900
Ion Ratio Lower Upper
131 100
133 94.0 47.1 141.3
119 64.5 33.3 99.8





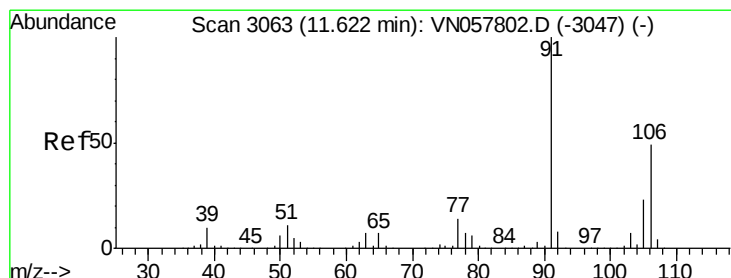
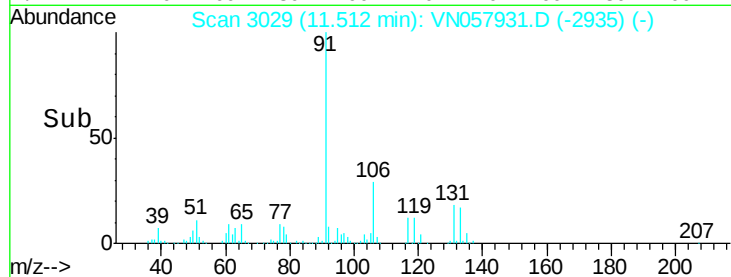
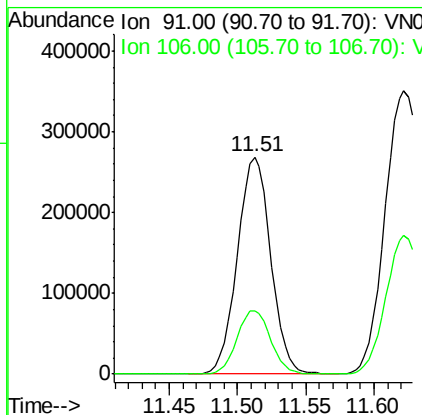
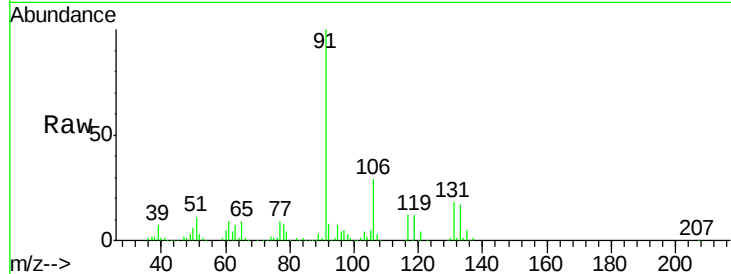
#67
Ethyl Benzene
Concen: 20.071 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampled :
VN0912WBS01

Tot Ion: 91 Resp: 456333
Ion Ratio Lower Upper
91 100
106 29.3 24.4 36.6

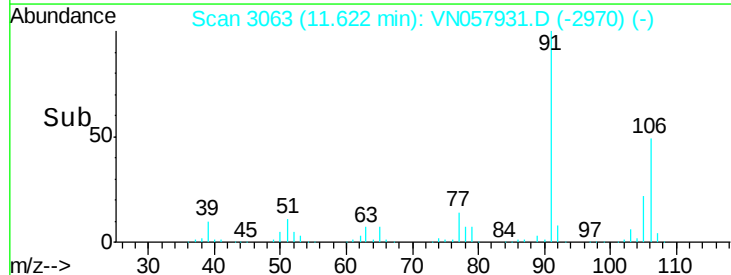
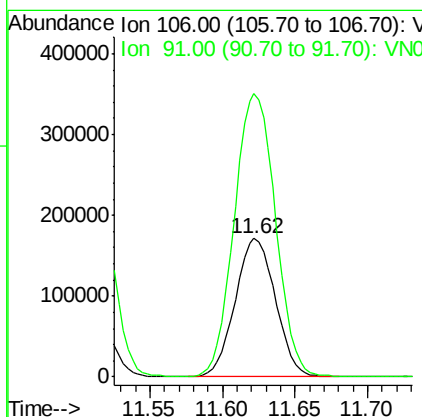
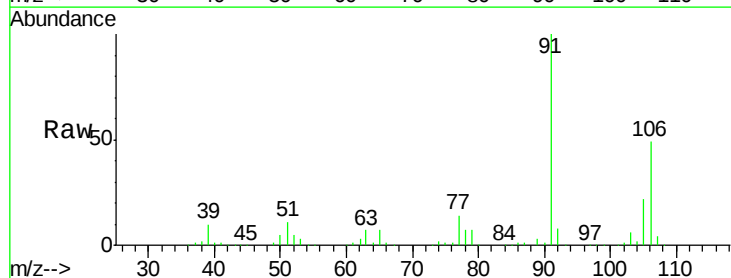
Manual Integrations
APPROVED

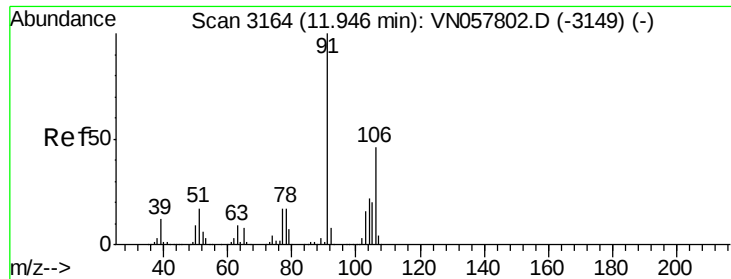
MMDadoda
9/13/2019 11:07:29 AM



#68
m/p-Xylenes
Concen: 39.796 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion: 106 Resp: 331433
Ion Ratio Lower Upper
106 100
91 208.3 165.8 248.6





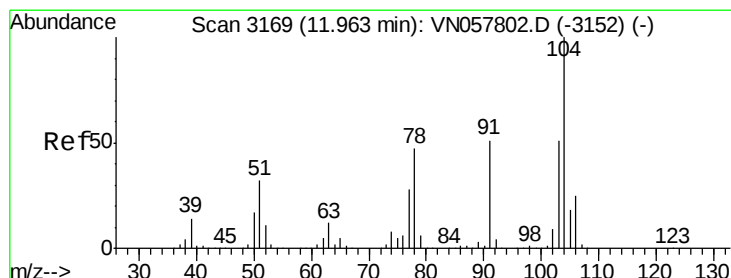
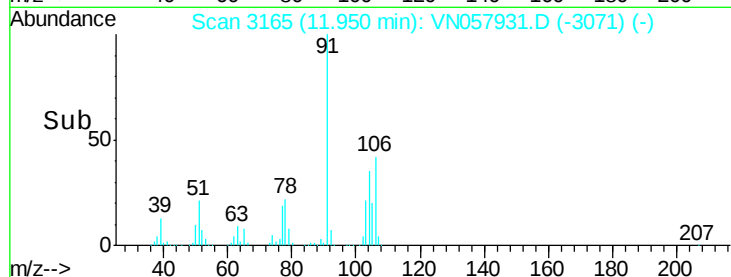
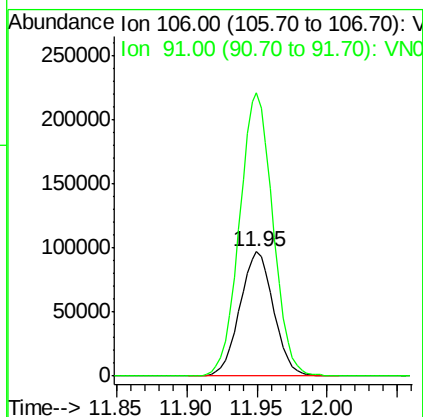
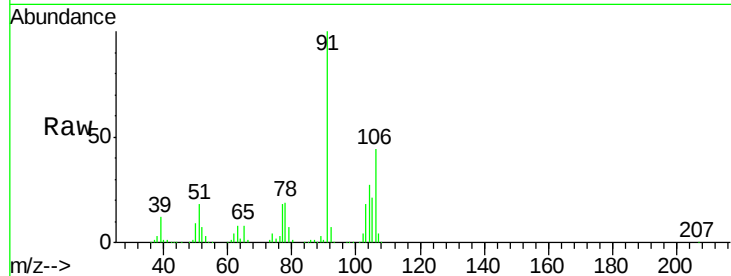
#69
o-Xylene
Concen: 19.592 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion:106 Resp: 162211
Ion Ratio Lower Upper
106 100
91 225.2 108.7 326.1

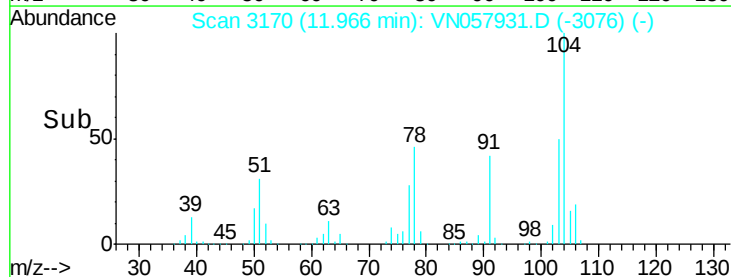
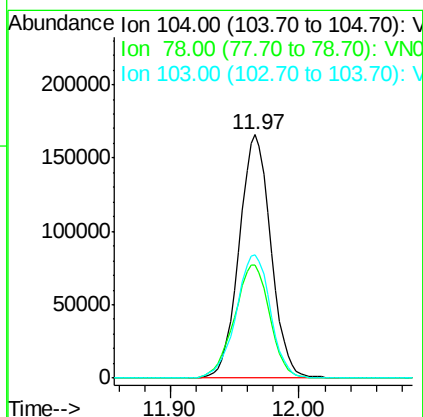
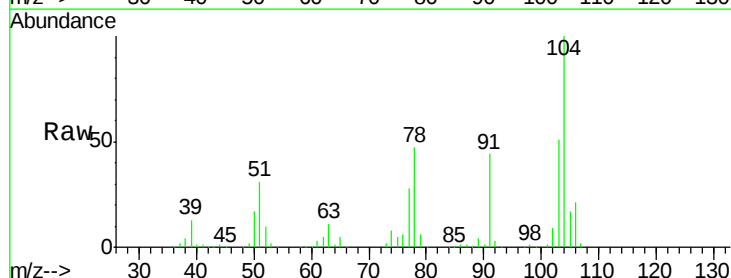
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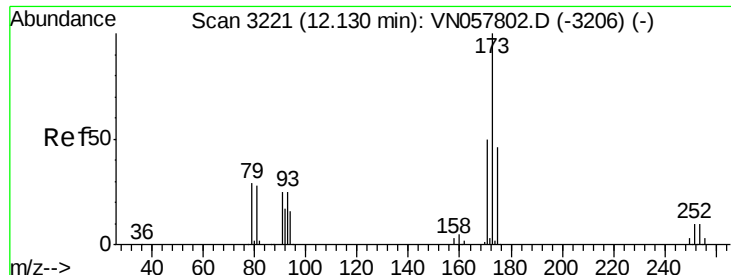
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#70
Styrene
Concen: 19.922 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion:104 Resp: 283872
Ion Ratio Lower Upper
104 100
78 52.2 41.3 61.9
103 55.1 43.7 65.5





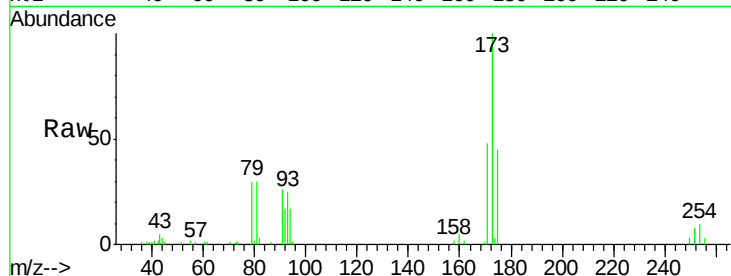
#71
Bromoform
Concen: 17.968 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

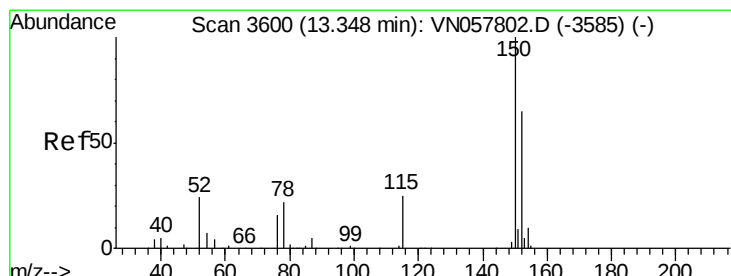
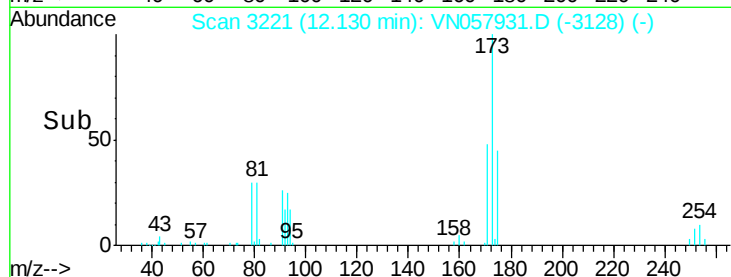
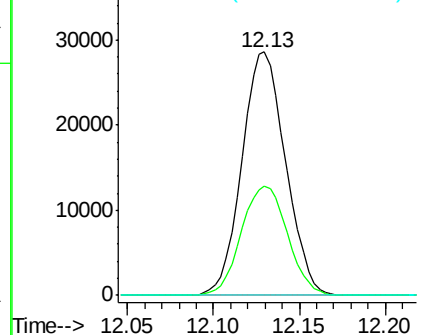
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.5	70.6
254	0.0	0.1	0.1#

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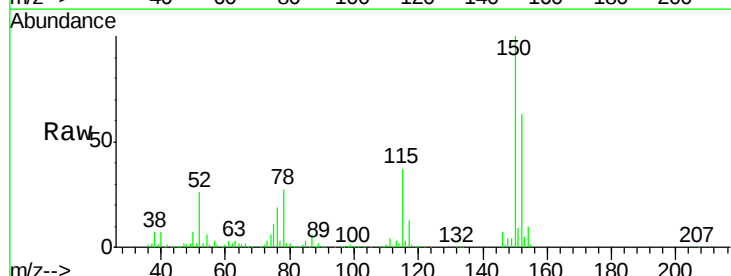


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

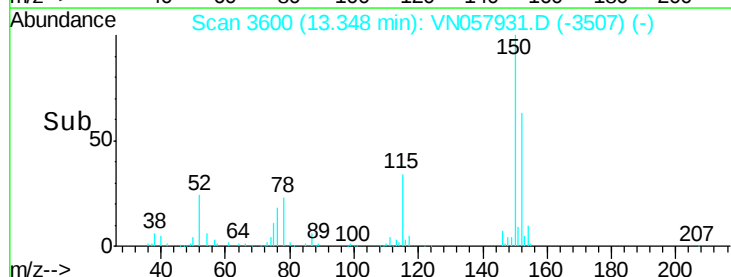
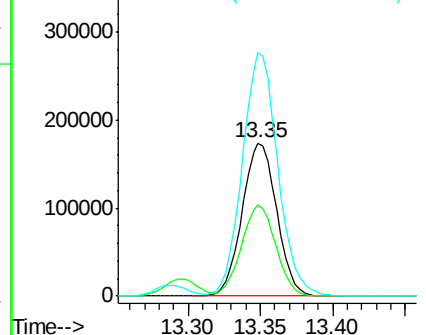


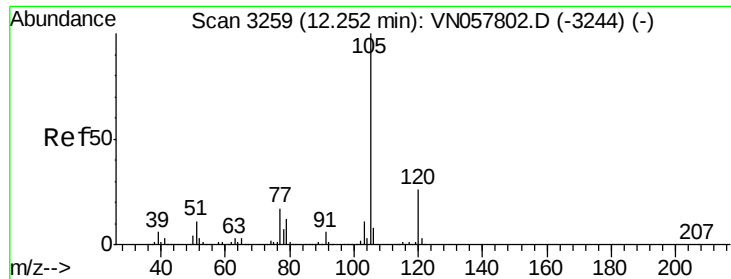
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	30.3	91.0
150	163.3	0.0	352.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.735 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

Tot Ion: 105 Resp: 462588

Ion Ratio Lower Upper

105 100

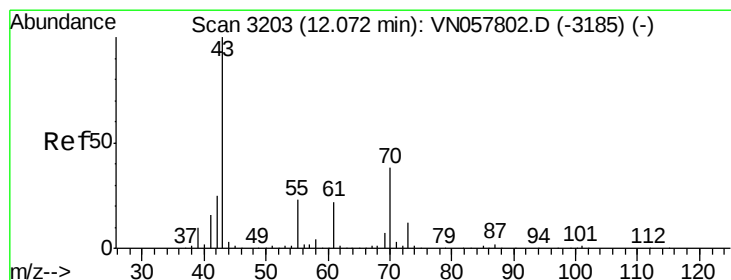
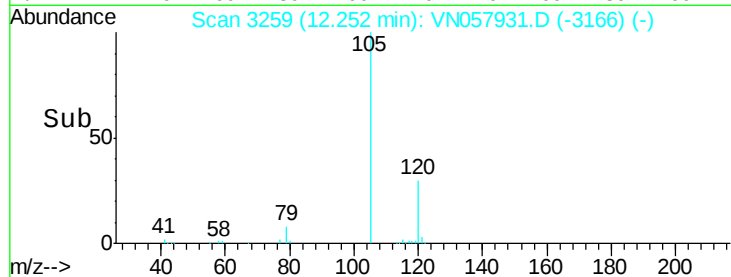
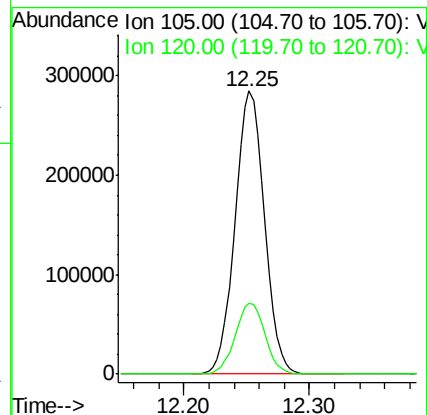
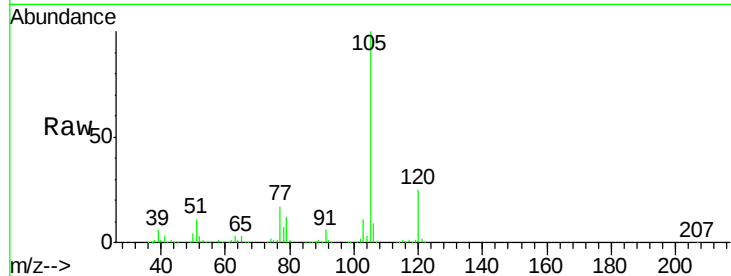
120 25.3 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.842 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Tgt Ion: 43 Resp: 192649

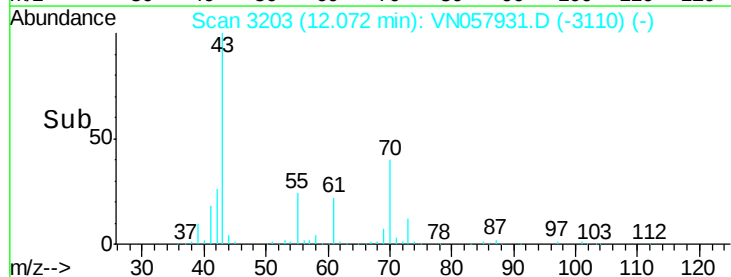
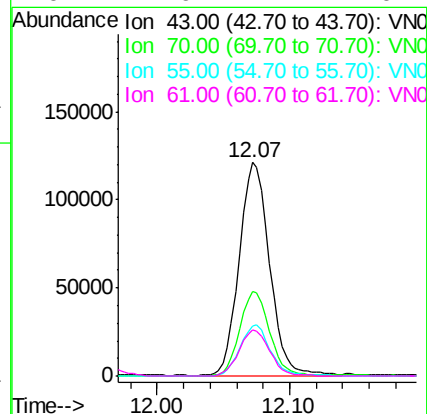
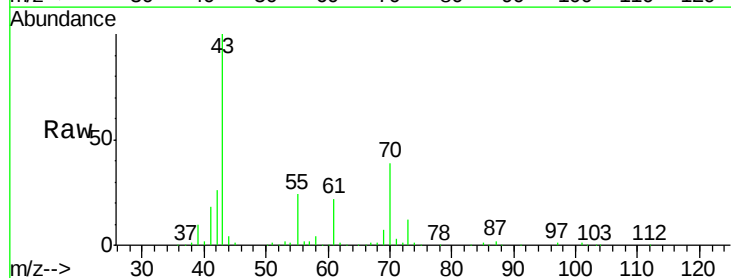
Ion Ratio Lower Upper

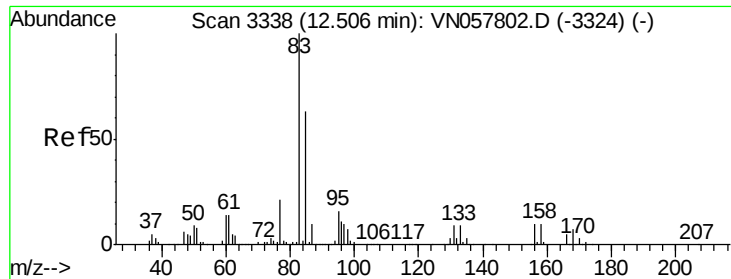
43 100

70 39.4 30.6 45.8

55 24.0 18.6 27.8

61 21.9 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.805 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Instrument :

MSVOA_N

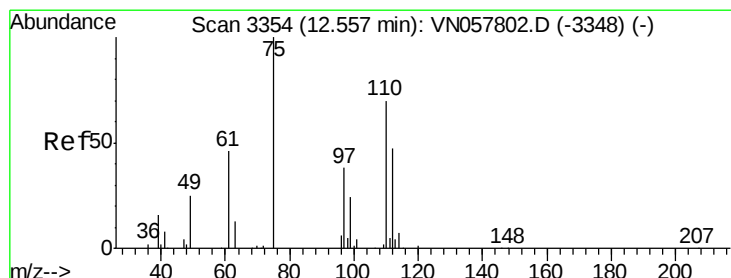
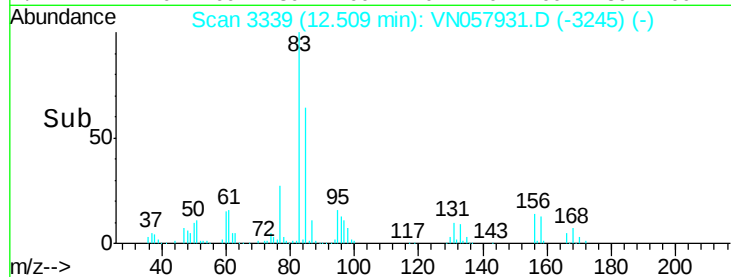
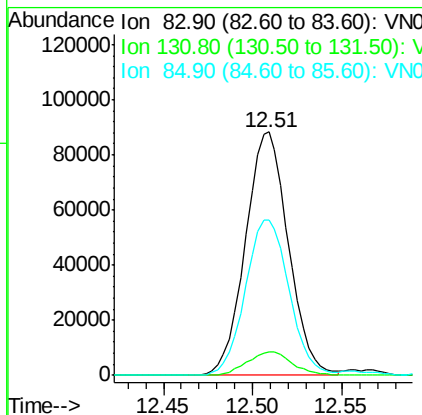
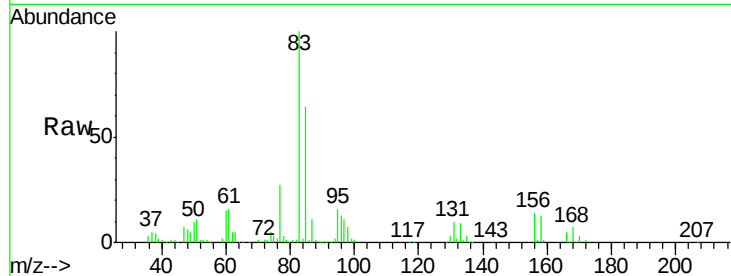
ClientSampleId :

VN0912WBS01

Tot Ion:	83	Resp:	148768
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.8	14.3
85	65.1	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.324 ug/l m

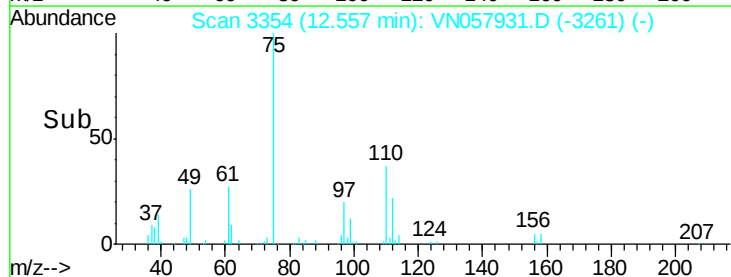
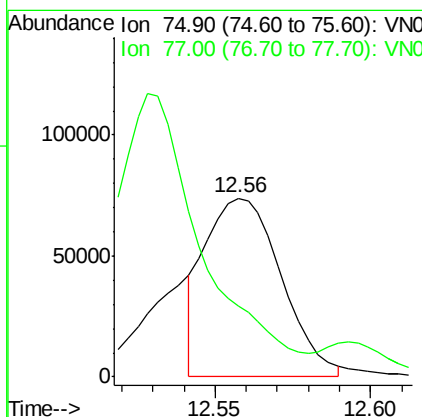
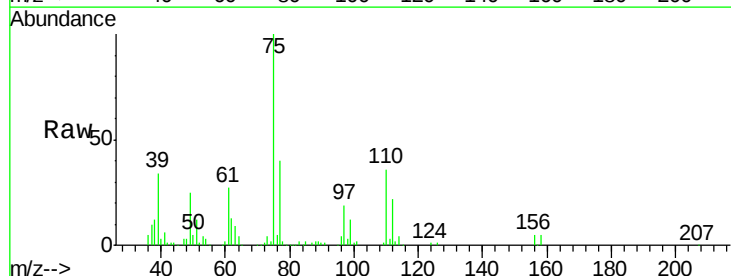
RT: 12.56 min Scan# 3354

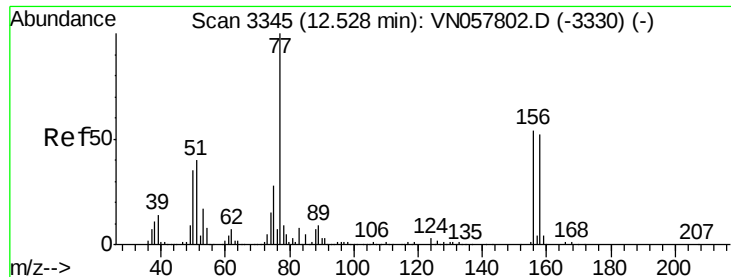
Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Tgt Ion:	75	Resp:	125679
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.307 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Instrument :

MSVOA_N

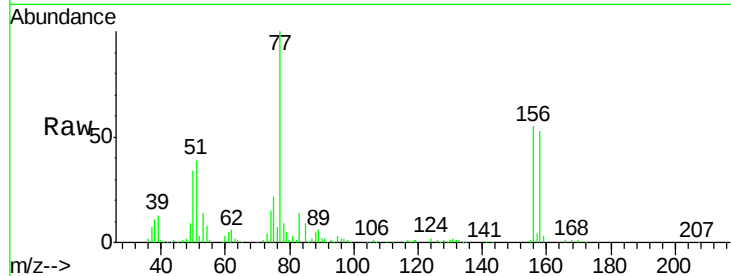
ClientSampleId :

VN0912WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	220.3	113.7	341.1
158	97.0	48.5	145.6

Manual Integrations
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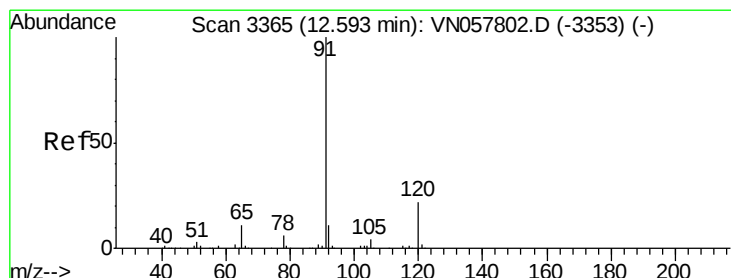
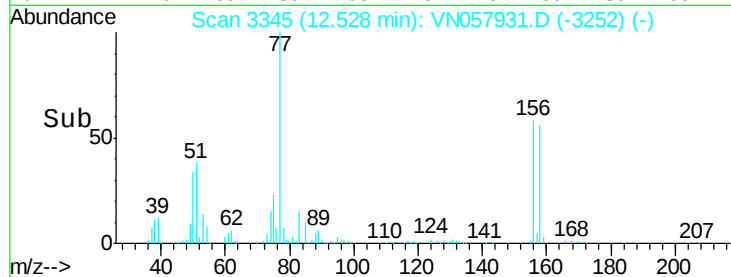
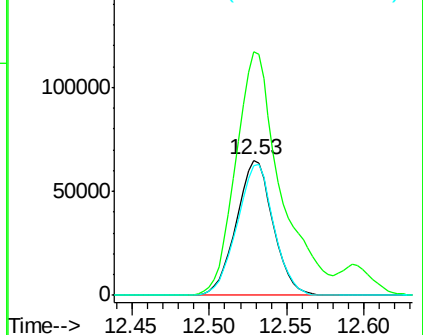


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.801 ug/l

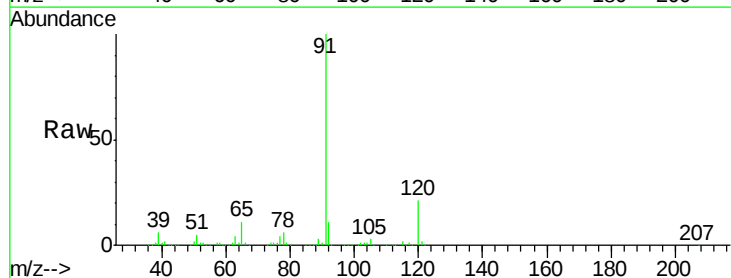
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

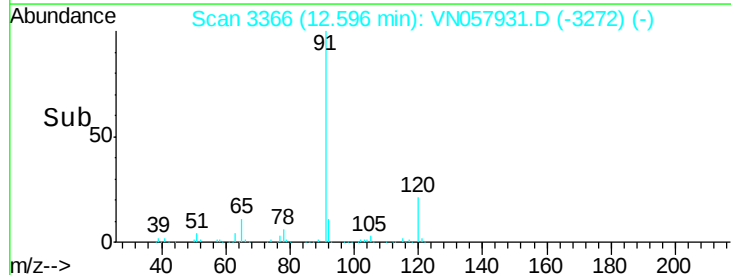
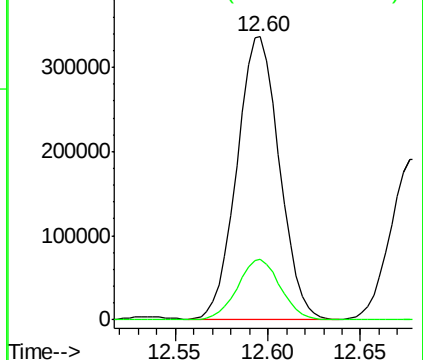
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.1

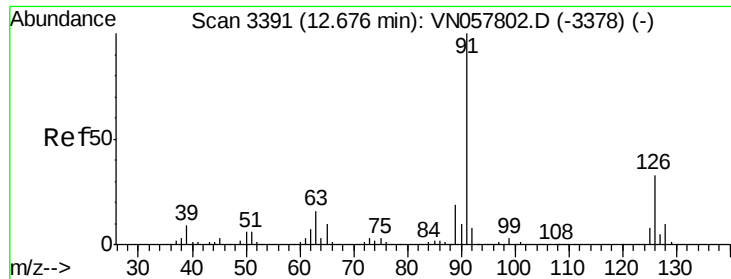


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





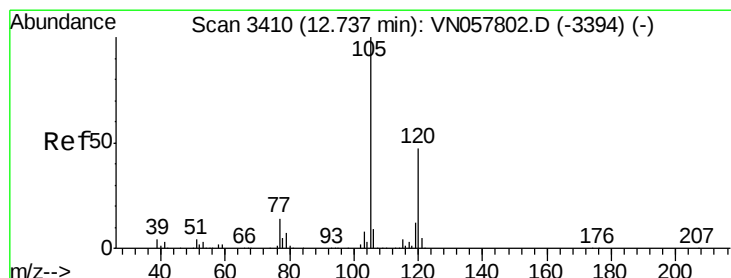
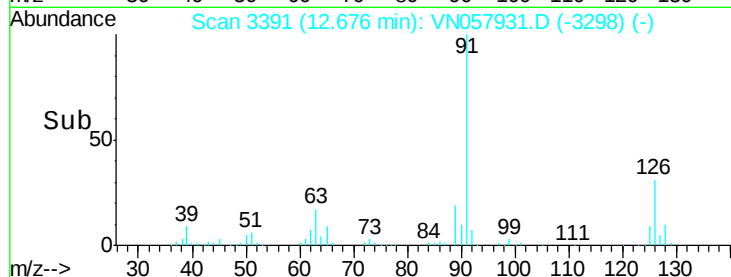
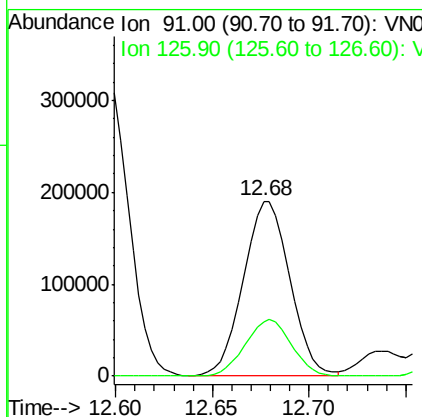
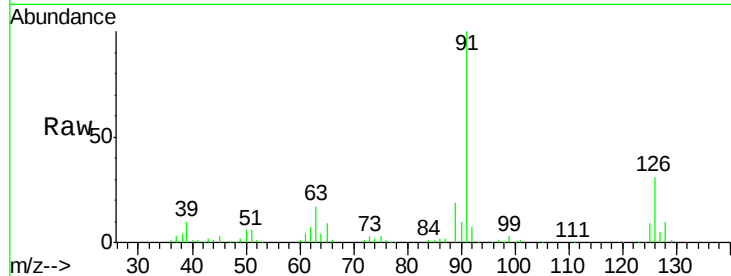
#79
2-Chlorotoluene
Concen: 19.568 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion: 91 Resp: 316839
Ion Ratio Lower Upper
91 100
126 32.6 16.4 49.2

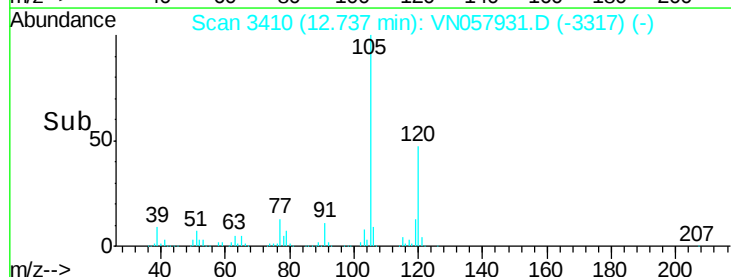
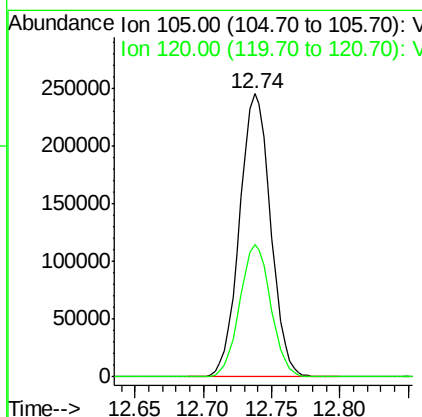
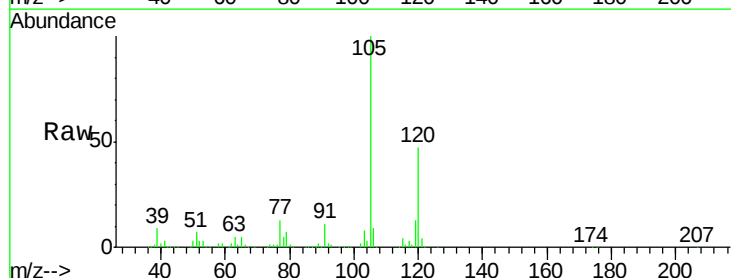
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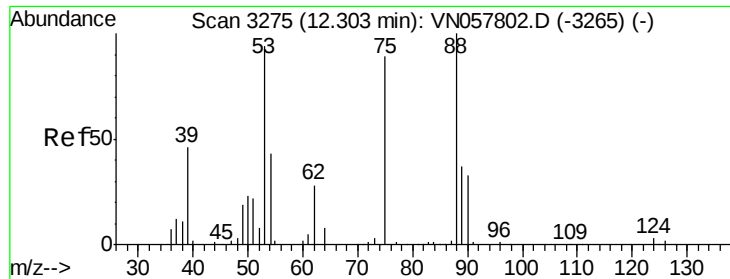
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.596 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion: 105 Resp: 388249
Ion Ratio Lower Upper
105 100
120 46.8 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 16.439 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Instrument :

MSVOA_N

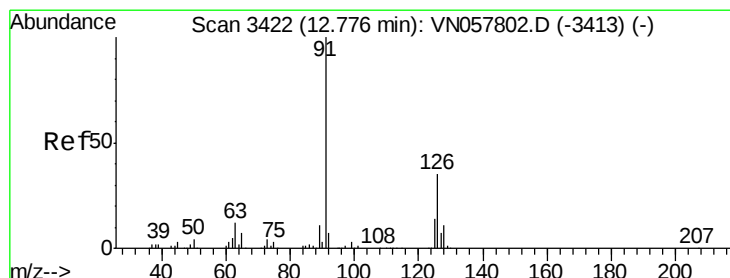
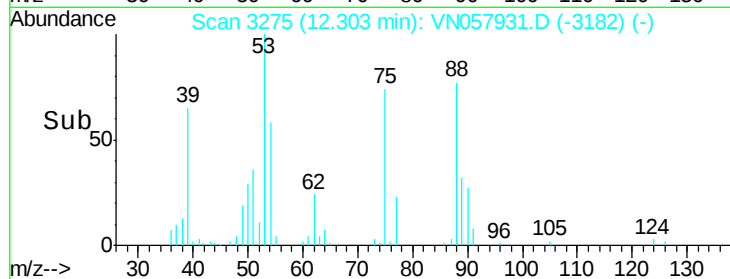
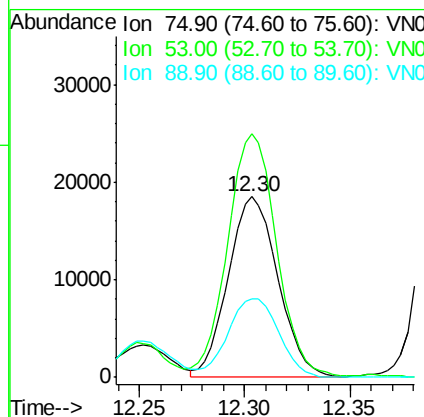
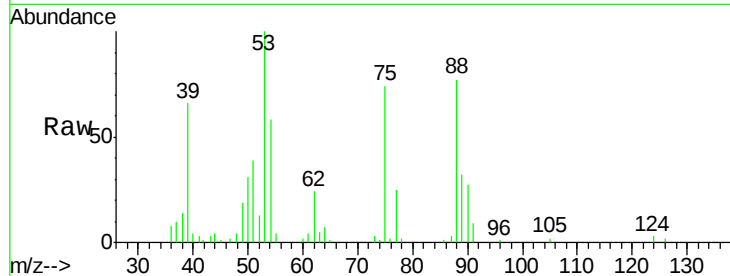
ClientSampleId :

VN0912WBS01

Tot Ion:	75	Resp:	30383
Ion	Ratio	Lower	Upper
75	100		
53	131.3	88.4	132.6
89	44.3	35.3	52.9

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#82

4-Chlorotoluene

Concen: 19.700 ug/l

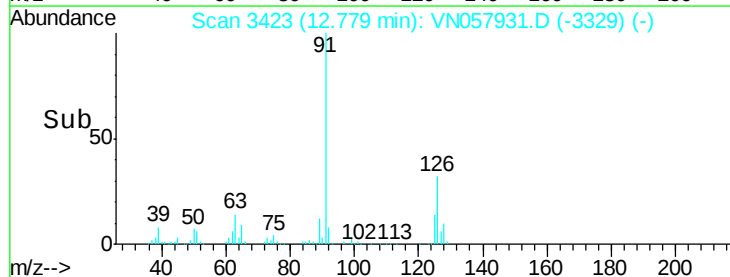
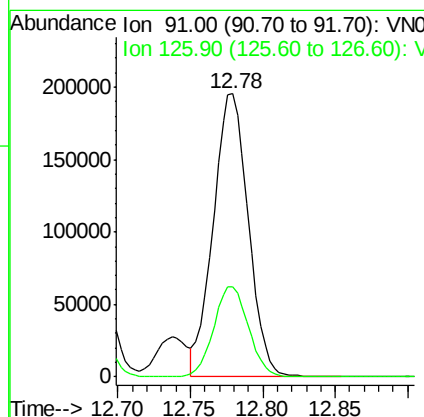
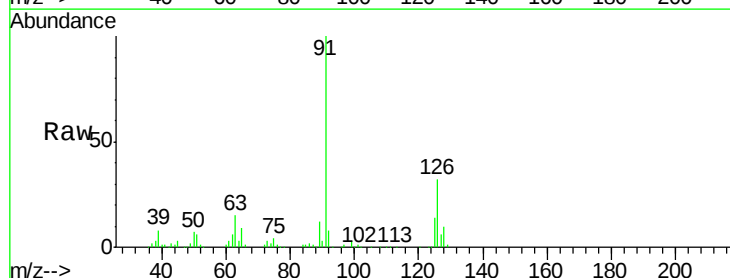
RT: 12.78 min Scan# 3423

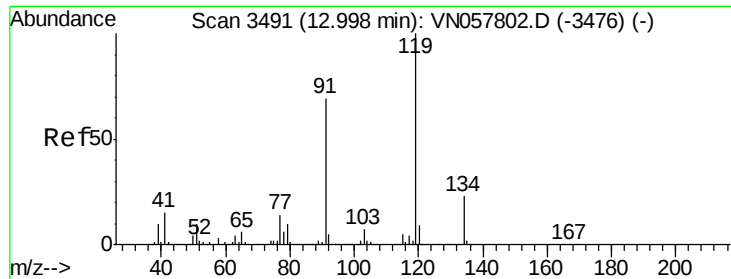
Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Tgt Ion:	91	Resp:	327570
Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.0	48.0





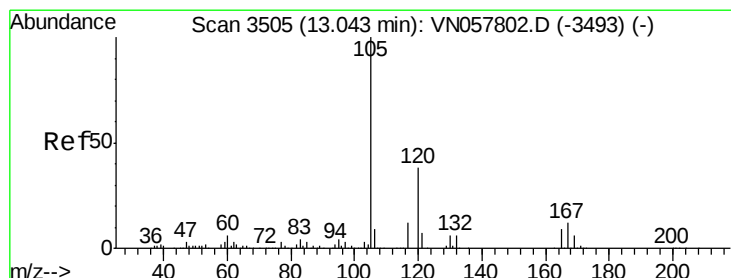
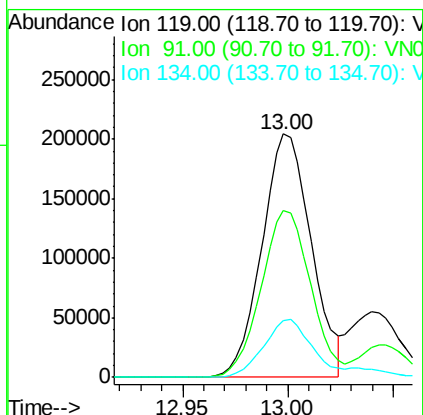
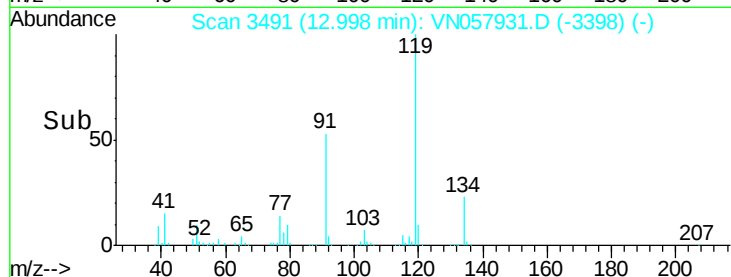
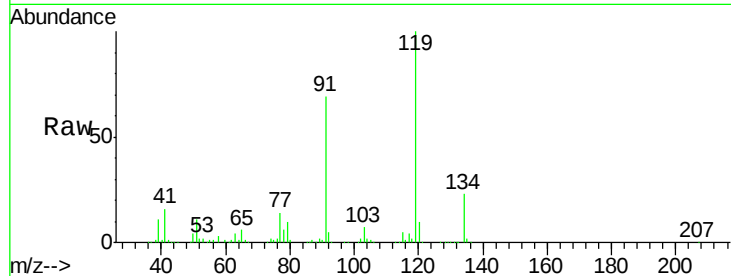
#83
tert-Butylbenzene
Concen: 19.887 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	33.6	100.8
134	23.5	11.7	35.0

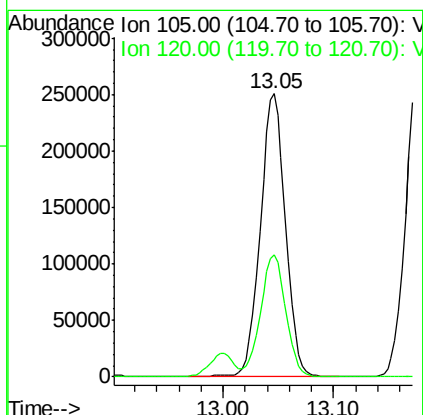
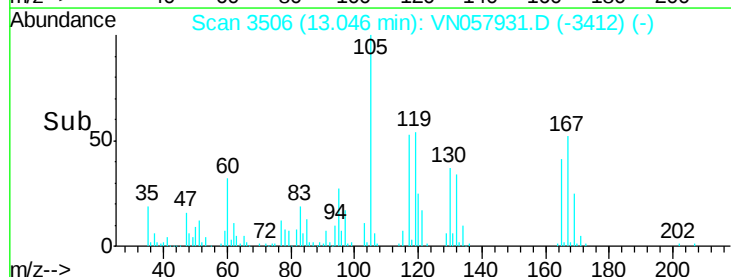
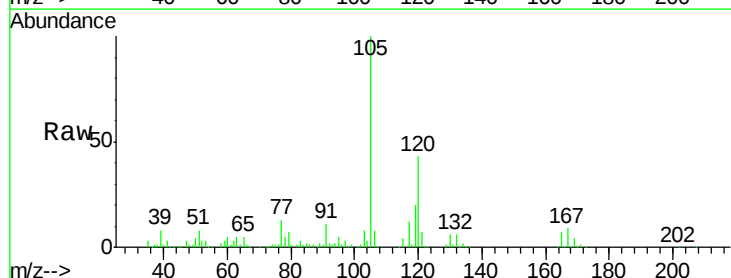
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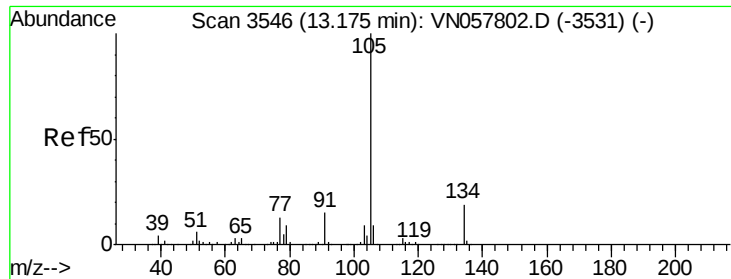
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.625 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.4	67.2





#85

sec-Butylbenzene

Concen: 20.361 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBS01

Tot Ion:105 Resp: 452194

Ion Ratio Lower Upper

105 100

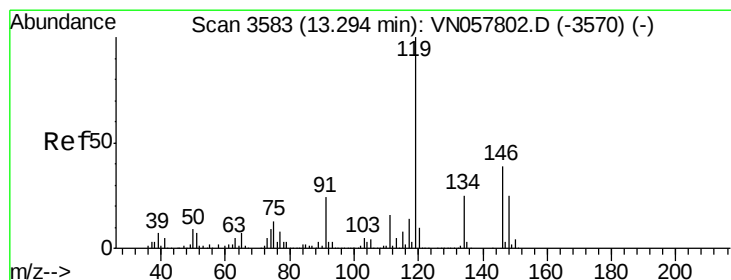
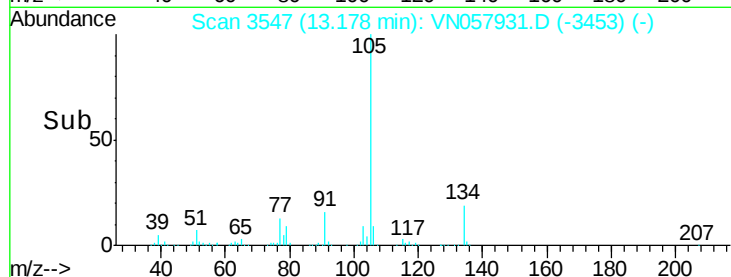
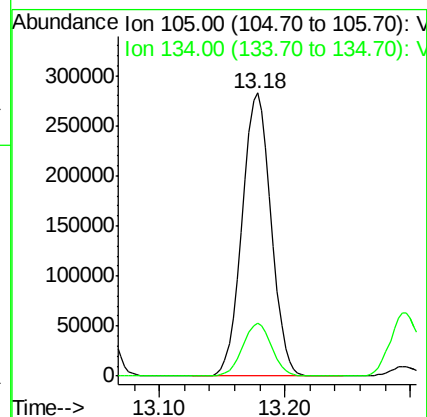
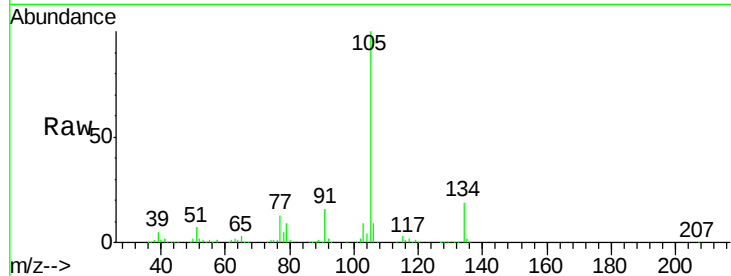
134 18.7 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.423 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

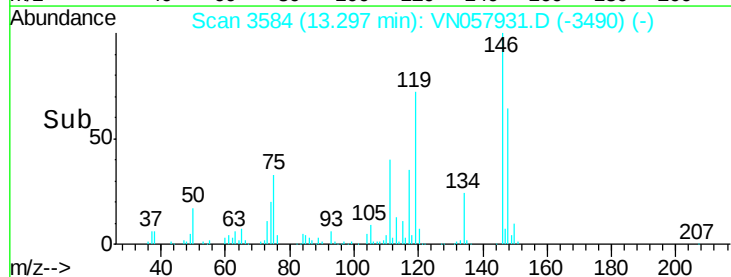
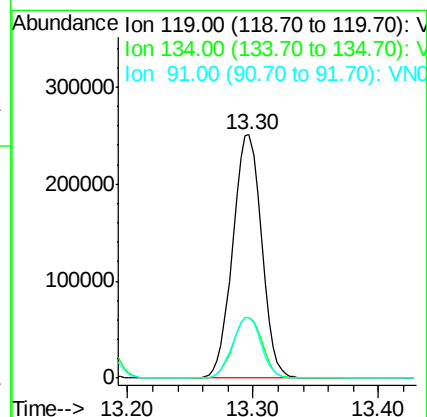
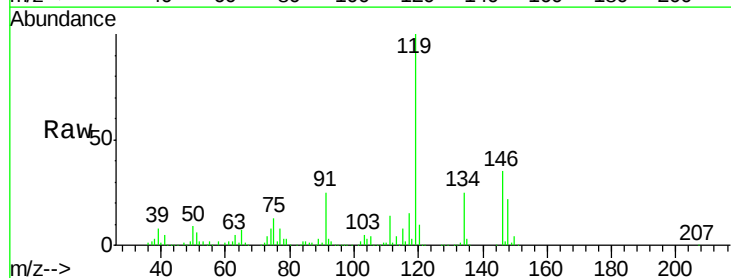
Tgt Ion:119 Resp: 399647

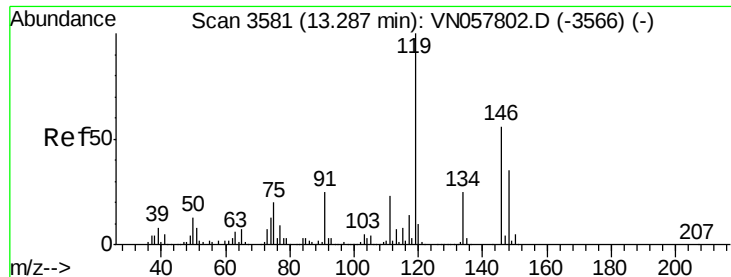
Ion Ratio Lower Upper

119 100

134 25.5 12.5 37.5

91 25.0 12.3 36.8





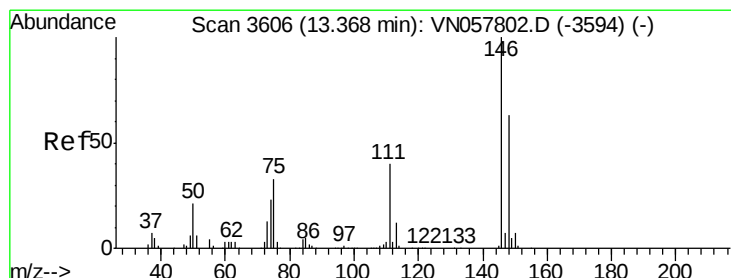
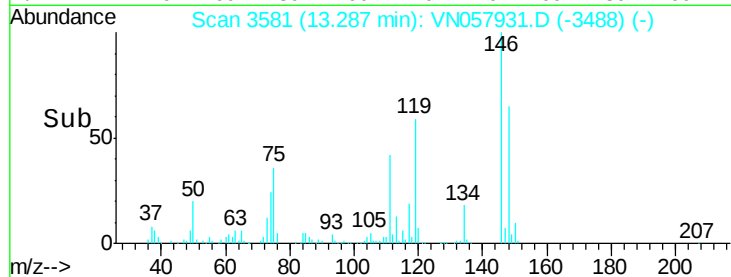
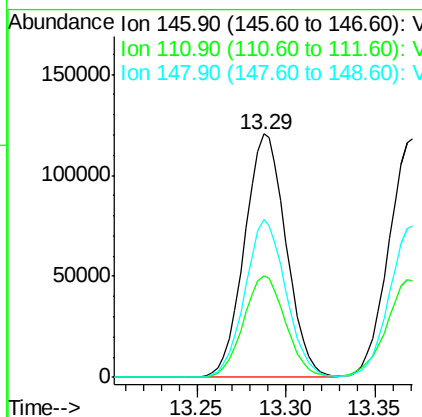
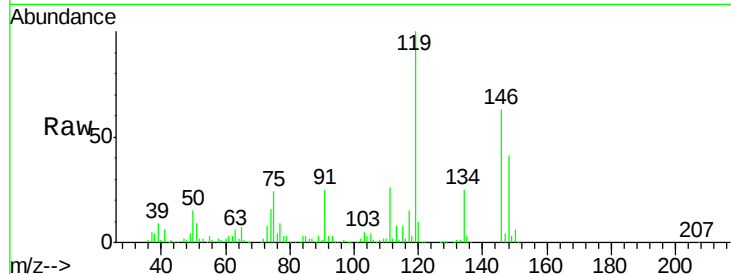
#87
 1,3-Dichlorobenzene
 Concen: 19.299 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	197030		
111	41.9	20.5	61.6	
148	63.7	31.5	94.5	

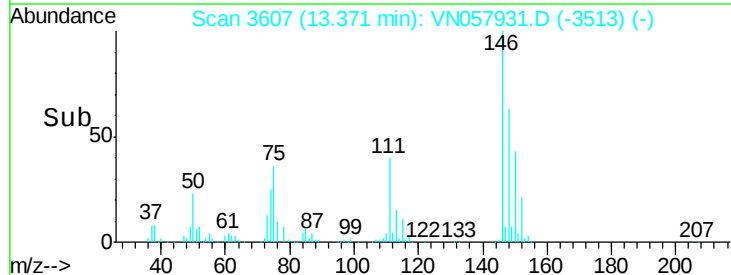
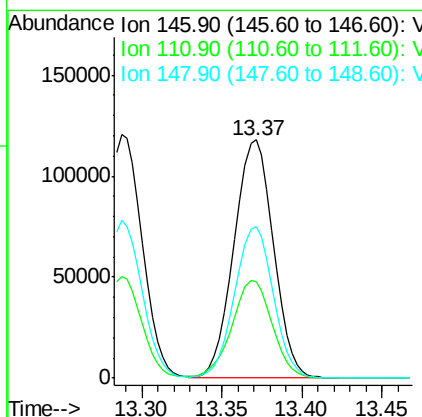
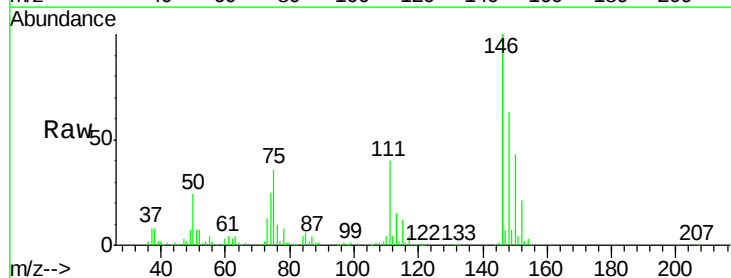
Manual Integrations
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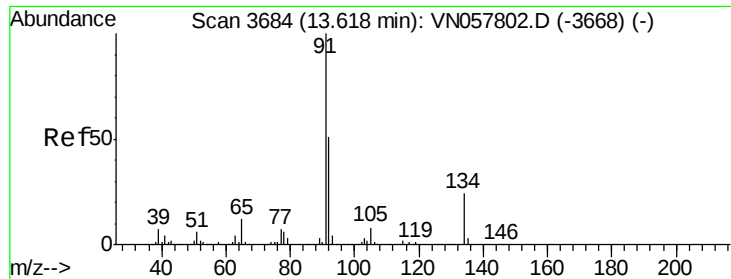
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 9/13/2019 11:07:29 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.072 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	197644		
111	41.8	20.4	61.2	
148	62.3	31.8	95.4	





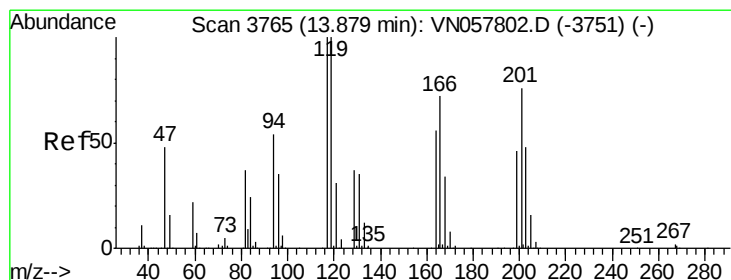
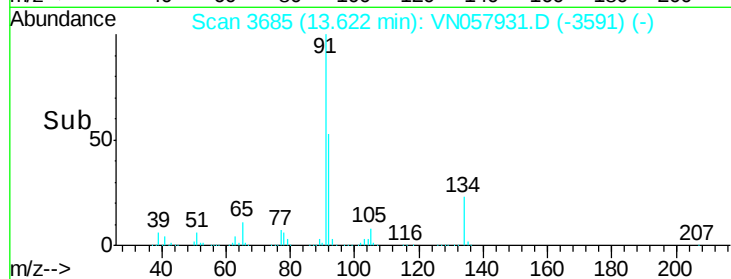
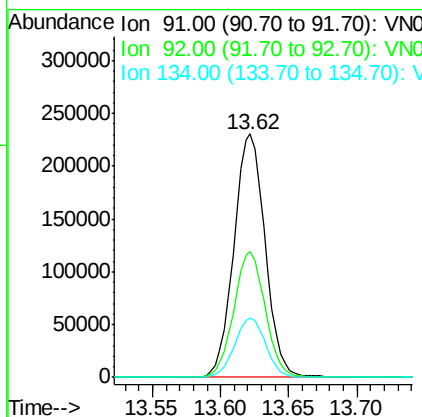
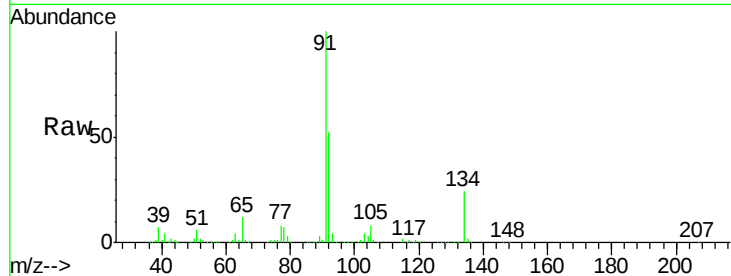
#89
n-Butylbenzene
Concen: 19.798 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.7	77.0
134	24.3	11.9	35.7

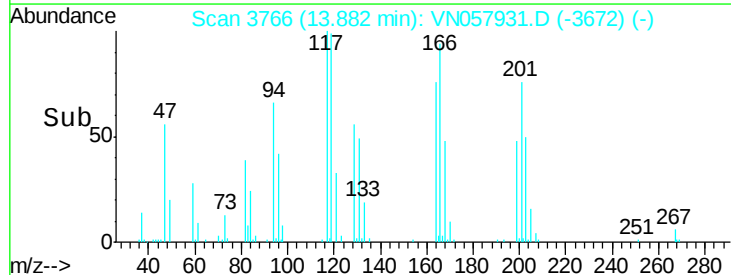
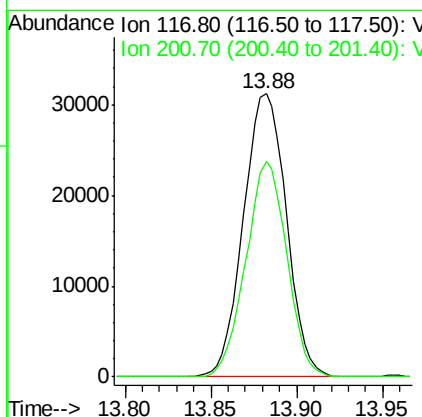
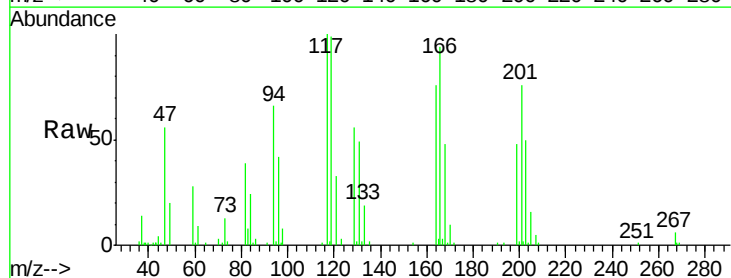
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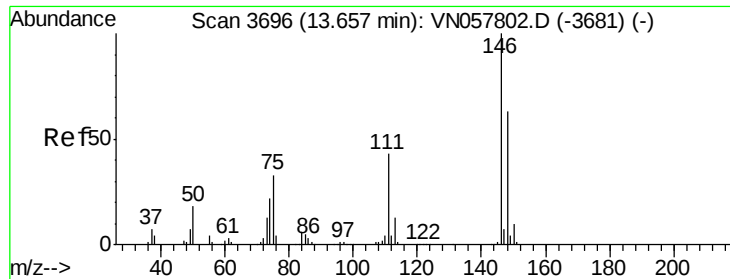
MMDadoda
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#90
Hexachloroethane
Concen: 18.593 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN057931.D
Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.5	37.5	112.7





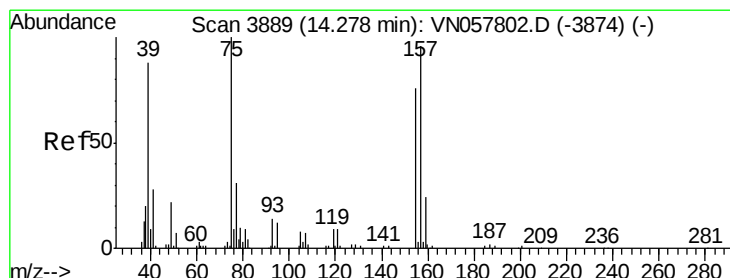
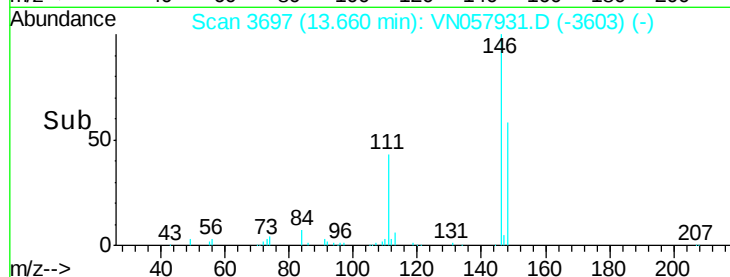
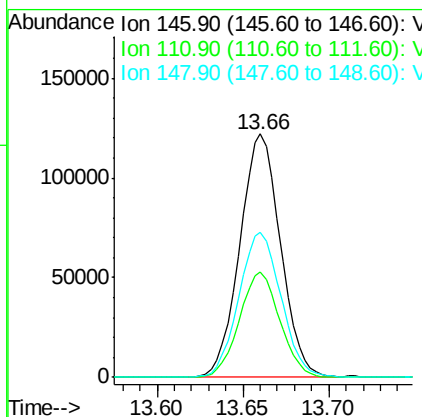
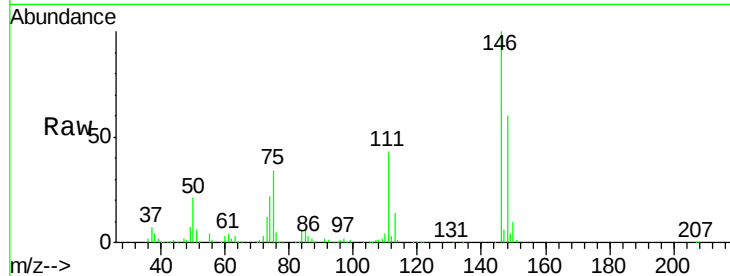
#91
 1,2-Dichlorobenzene
 Concen: 19.678 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	200715		
111	43.2		21.3	63.9
148	61.9		31.4	94.3

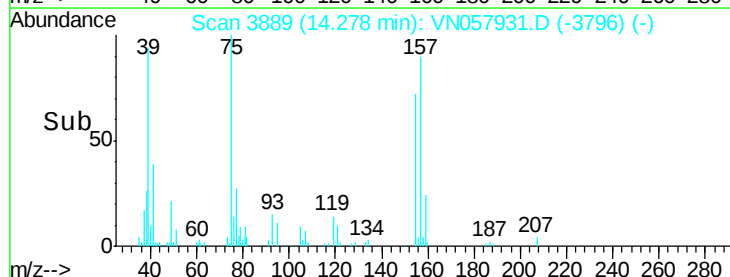
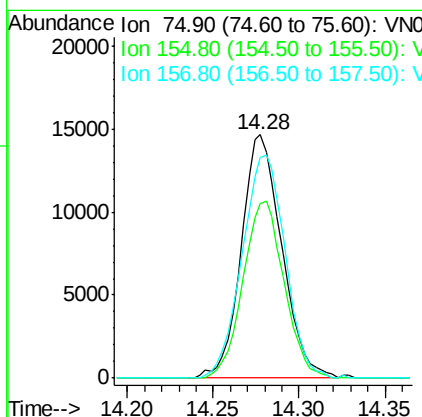
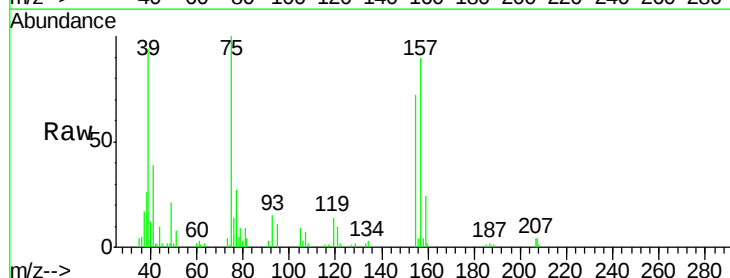
Manual Integrations
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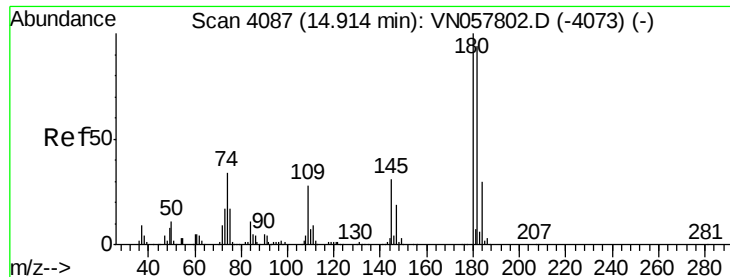
MMDadoda
 9/13/2019 11:07:29 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.341 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23993		
155	73.4		37.3	111.8
157	97.6		47.9	143.8





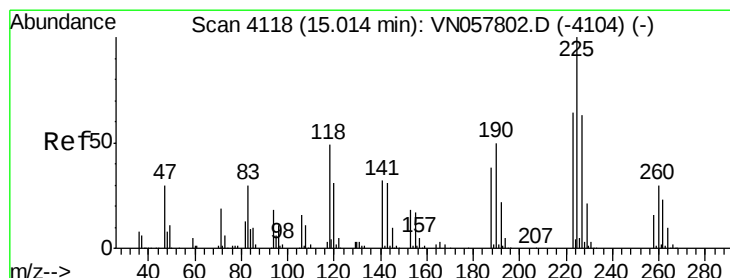
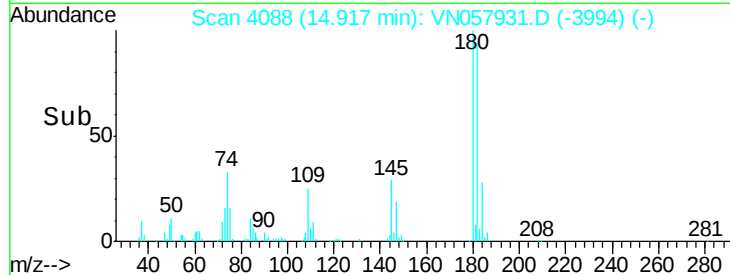
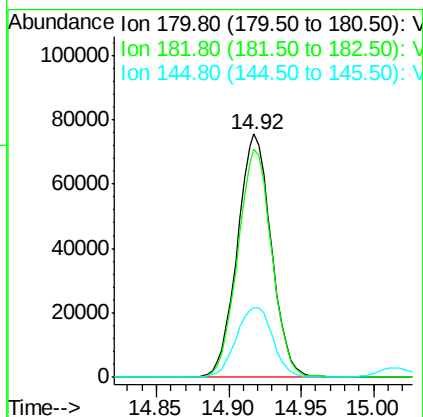
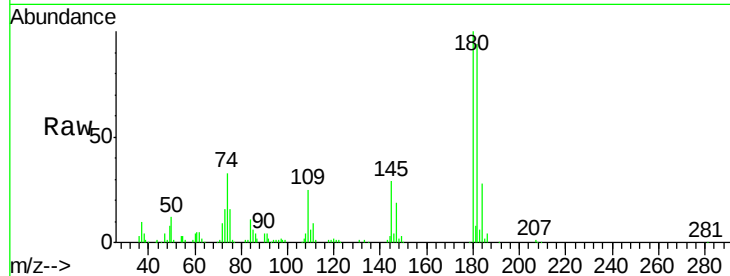
#93
 1,2,4-Trichlorobenzene
 Concen: 18.416 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	122776		
182	93.8	46.9	140.8	
145	30.9	14.9	44.7	

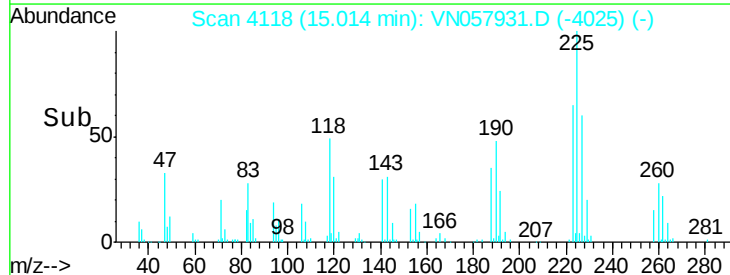
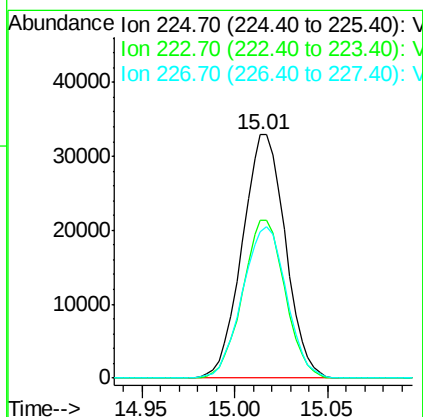
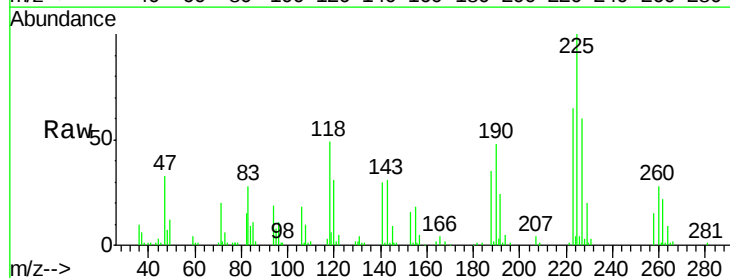
Manual Integrations
 APPROVED

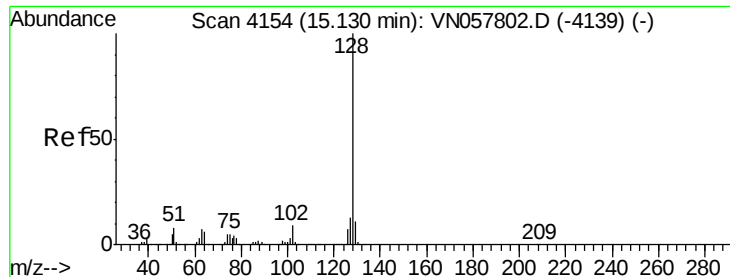
MMDadoda
 9/13/2019 11:07:29 AM



#94
 Hexachlorobutadiene
 Concen: 18.914 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057931.D
 Acq: 11 Sep 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53453		
223	63.7	32.4	97.2	
227	63.3	31.8	95.4	





#95

Naphthalene

Concen: 20.037 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Instrument :

MSVOA_N

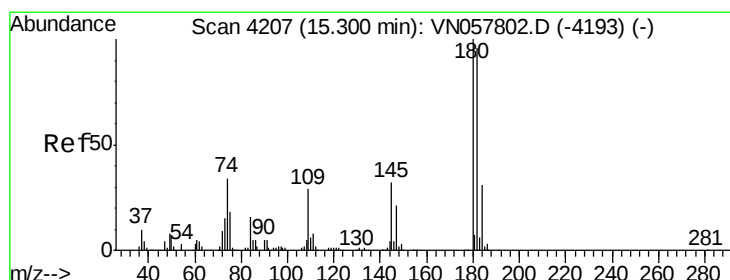
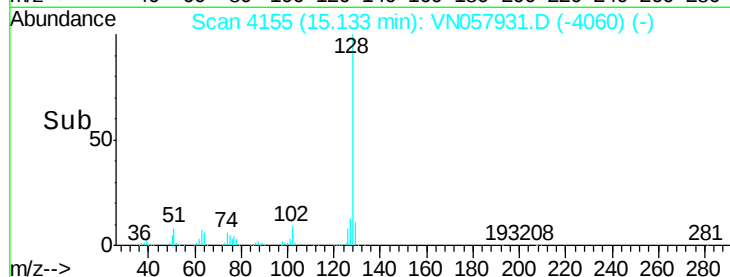
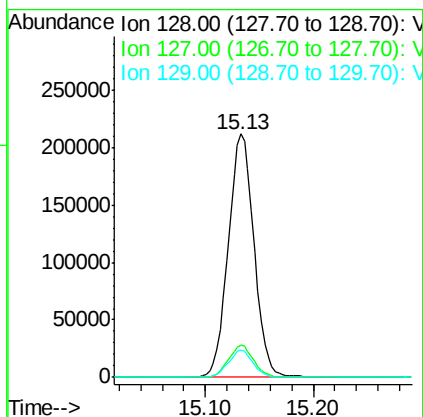
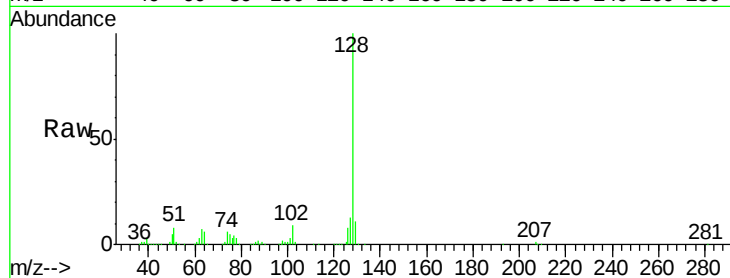
ClientSampleId :

VN0912WBS01

Tot Ion:	128	Resp:	353087
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.8	8.6	12.8

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 20.687 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057931.D

Acq: 11 Sep 2019 18:20

Tgt Ion:	180	Resp:	116928
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.3	144.8
145	31.6	16.3	48.8

