

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102619\
 Data File : VN058981.D
 Acq On : 25 Oct 2019 12:54
 Operator : JC/SP
 Sample : VN1026WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 9:47:59 AM

Quant Time: Oct 25 23:47:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	341494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	546123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	515107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	243287	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	250380	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	
35) Dibromofluoromethane	7.57	113	183885	51.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.42%	
50) Toluene-d8	10.08	98	700225	50.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.40	95	253790	49.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	81193	19.069	ug/l	100
3) Chloromethane	2.04	50	102981	19.529	ug/l	99
4) Vinyl Chloride	2.17	62	105396	20.130	ug/l	98
5) Bromomethane	2.55	94	61292	18.694	ug/l	98
6) Chloroethane	2.69	64	65631	19.547	ug/l	94
7) Trichlorofluoromethane	3.00	101	132577	20.464	ug/l	97
8) Diethyl Ether	3.39	74	46957	20.974	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	72671	20.234	ug/l	99
10) Methyl Iodide	3.93	142	81772	17.311	ug/l	99
11) Tert butyl alcohol	4.75	59	83751	100.766	ug/l	100
12) 1,1-Dichloroethene	3.72	96	68489	20.344	ug/l	98
13) Acrolein	3.58	56	34797	60.931	ug/l	99
14) Allyl chloride	4.30	41	141003	20.699	ug/l	98
15) Acrylonitrile	4.96	53	224359	107.314	ug/l	100
16) Acetone	3.79	43	227238	91.816	ug/l	100
17) Carbon Disulfide	4.03	76	204181	18.828	ug/l	100
18) Methyl Acetate	4.30	43	124938	22.204	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	248106	21.047	ug/l	97
20) Methylene Chloride	4.53	84	84021	19.882	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	75701	20.362	ug/l	97
22) Diisopropyl ether	5.92	45	289341	21.715	ug/l	96
23) Vinyl Acetate	5.87	43	1192611	111.404	ug/l	100
24) 1,1-Dichloroethane	5.82	63	161159	20.859	ug/l	99
25) 2-Butanone	6.81	43	317571	98.848	ug/l	98
26) 2,2-Dichloropropane	6.80	77	134834	20.176	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	88566	20.854	ug/l	99
28) Bromochloromethane	7.18	49	52816	20.526	ug/l	99
29) Tetrahydrofuran	7.19	42	207482	105.571	ug/l	100
30) Chloroform	7.35	83	156509	20.195	ug/l	97
31) Cyclohexane	7.64	56	138819	19.286	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	133418	20.424	ug/l	99
36) 1,1-Dichloropropene	7.77	75	114753	20.524	ug/l	100
37) Ethyl Acetate	6.91	43	128949	21.166	ug/l	99
38) Carbon Tetrachloride	7.76	117	114932	19.954	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	122736	19.550	ug/l	98
40) Benzene	8.02	78	341985	20.829	ug/l	96
41) Methacrylonitrile	7.16	41	51000m	18.796	ug/l	
42) 1,2-Dichloroethane	8.11	62	129882	20.536	ug/l	99
43) Isopropyl Acetate	8.15	43	203091	20.786	ug/l	99
44) Trichloroethene	8.82	130	82752	20.691	ug/l	98
45) 1,2-Dichloropropane	9.10	63	94366	20.960	ug/l	97
46) Dibromomethane	9.20	93	59335	20.847	ug/l	99
47) Bromodichloromethane	9.39	83	122323	20.853	ug/l	98
48) Methyl methacrylate	9.19	41	92335	20.829	ug/l	99
49) 1,4-Dioxane	9.19	88	30404	417.809	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	651252	114.116	ug/l	100
52) Toluene	10.15	92	211663	21.740	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	136915	21.084	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	146024	21.047	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	86421	21.546	ug/l	99
56) Ethyl methacrylate	10.43	69	126628	20.104	ug/l	98
57) 1,3-Dichloropropane	10.70	76	149877	21.291	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	261537	95.508	ug/l	99
59) 2-Hexanone	10.75	43	479073	108.635	ug/l	100
60) Dibromochloromethane	10.90	129	90399	20.939	ug/l	99
61) 1,2-Dibromoethane	11.00	107	87444	21.303	ug/l	100
64) Tetrachloroethene	10.63	164	72686	20.149	ug/l	97
65) Chlorobenzene	11.43	112	221882	21.158	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	83635	21.134	ug/l	99
67) Ethyl Benzene	11.51	91	396216	21.538	ug/l	97
68) m/p-Xylenes	11.62	106	293250	42.984	ug/l	100
69) o-Xylene	11.95	106	137457	21.126	ug/l	99
70) Styrene	11.97	104	225339	19.833	ug/l	100
71) Bromoform	12.13	173	63264	20.616	ug/l #	99
73) Isopropylbenzene	12.25	105	378514	21.289	ug/l	100
74) N-amyl acetate	12.07	43	169432	21.020	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	135092	21.609	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	115493m	20.483	ug/l	
77) Bromobenzene	12.53	156	91515	20.882	ug/l	99
78) n-propylbenzene	12.59	91	443278	21.092	ug/l	100
79) 2-Chlorotoluene	12.68	91	267187	20.772	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	323139	21.632	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42466	19.620	ug/l	98
82) 4-Chlorotoluene	12.78	91	272584	20.737	ug/l	99
83) tert-Butylbenzene	13.00	119	270393	21.167	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	316230	21.462	ug/l	98
85) sec-Butylbenzene	13.17	105	364539	21.404	ug/l	98
86) p-Isopropyltoluene	13.29	119	319442	21.257	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	161171	20.568	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	161817	20.626	ug/l	98
89) n-Butylbenzene	13.62	91	279390	20.239	ug/l	99
90) Hexachloroethane	13.88	117	63755	20.937	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	162731	21.129	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27408	19.383	ug/l	98

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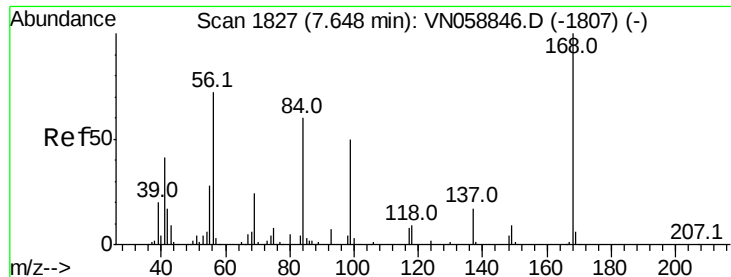
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	87524	19.662	ug/l	99
94) Hexachlorobutadiene	15.01	225	49620	19.877	ug/l	97
95) Naphthalene	15.13	128	235930	18.402	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	88355	20.217	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion:168 Resp: 341494

Ion Ratio Lower Upper

168 100

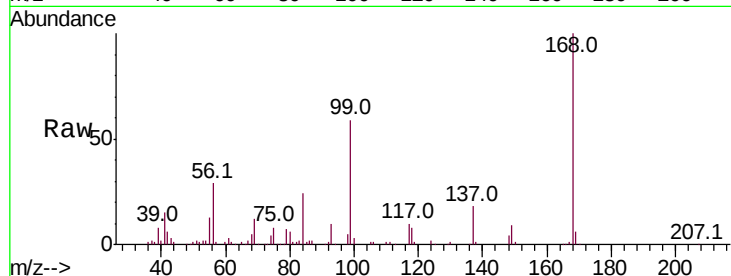
99 58.8 48.1 72.1

Manual Integrations

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10/28/2019 9:47:59 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

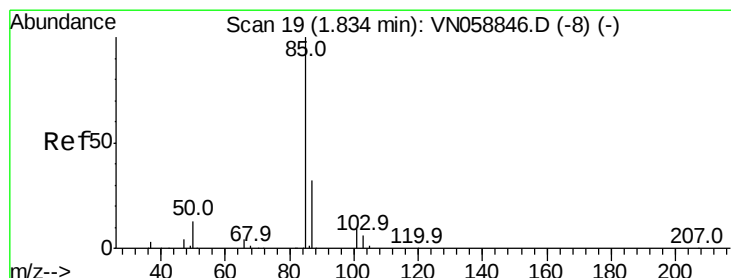
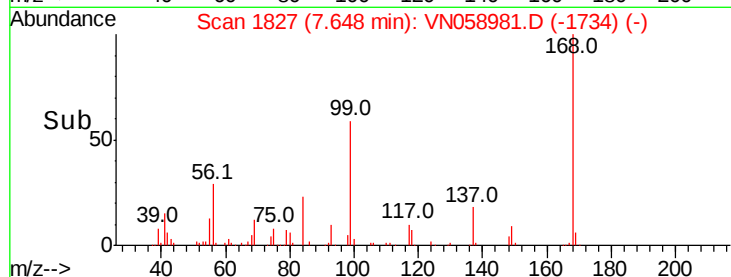
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.069 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058981.D

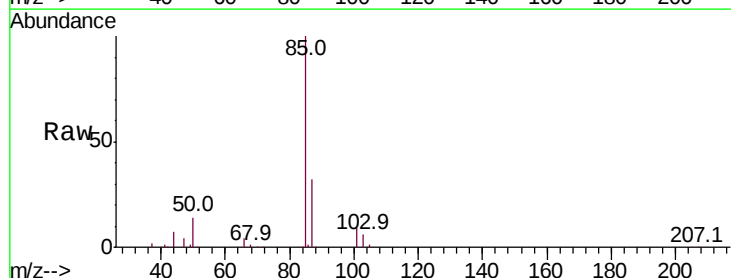
Acq: 25 Oct 2019 12:54

Tgt Ion: 85 Resp: 81193

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

50000

40000

30000

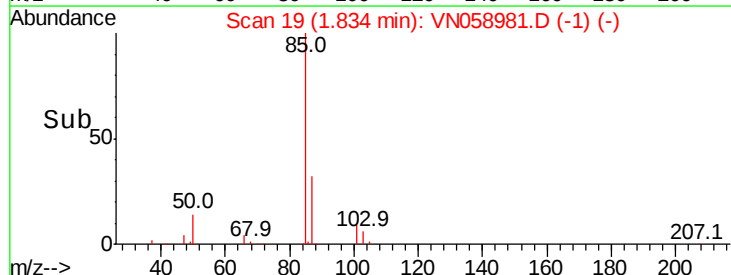
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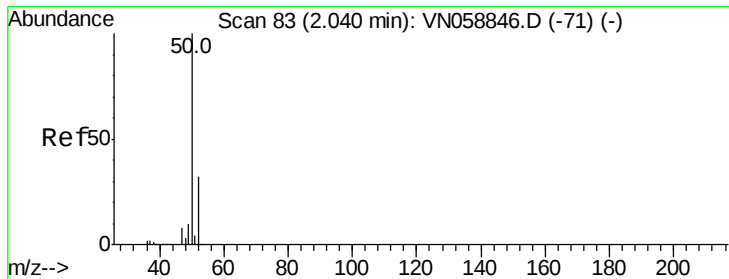
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.529 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 50 Resp: 102981

Ion Ratio Lower Upper

50 100

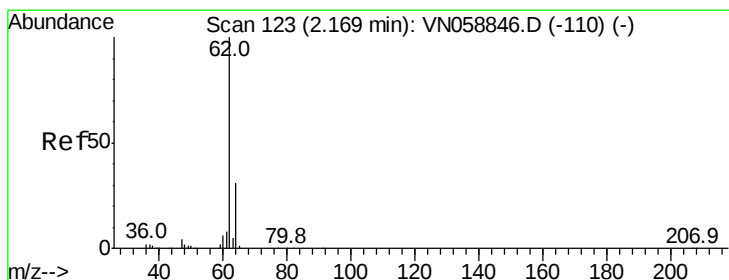
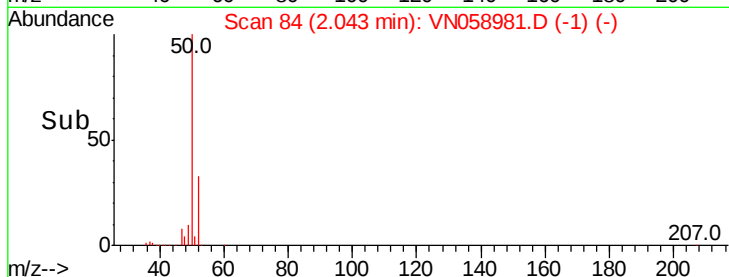
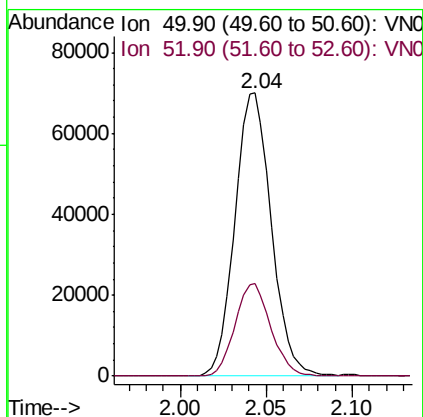
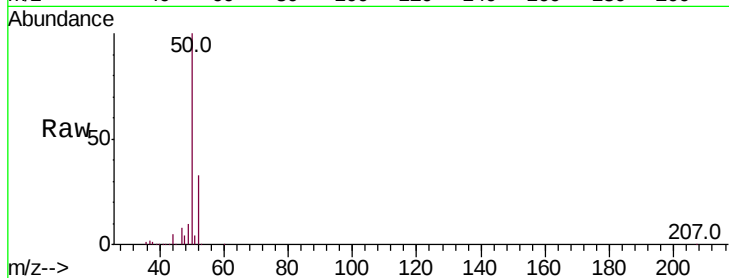
52 32.5 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.130 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058981.D

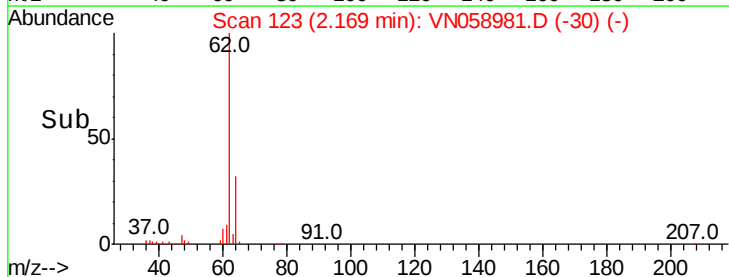
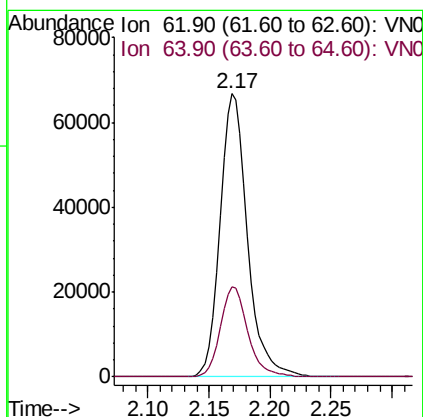
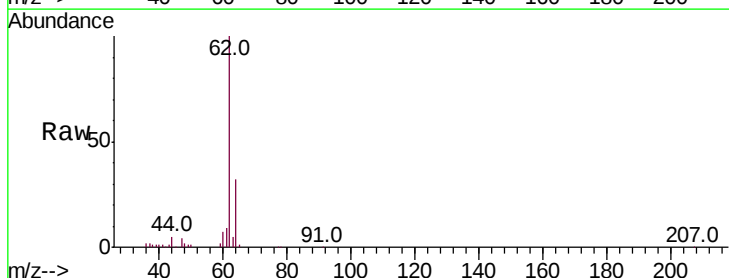
Acq: 25 Oct 2019 12:54

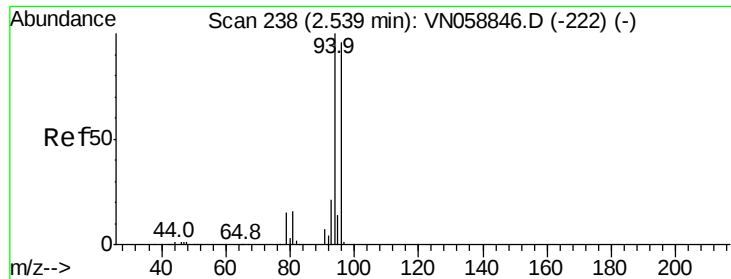
Tgt Ion: 62 Resp: 105396

Ion Ratio Lower Upper

62 100

64 31.7 24.6 36.8





#5

Bromomethane

Concen: 18.694 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

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ClientSampleId :

VN1026WBSD01

Tot Ion: 94 Resp: 61292

Ion Ratio Lower Upper

94 100

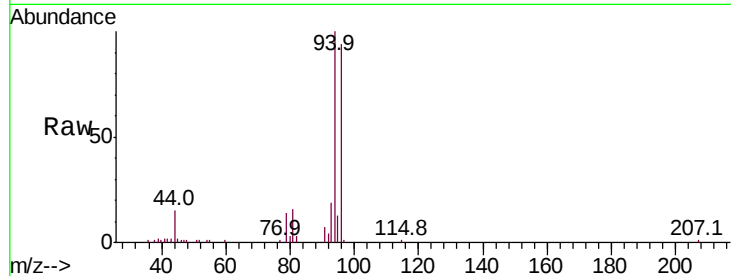
96 94.4 77.0 115.6

Manual Integrations

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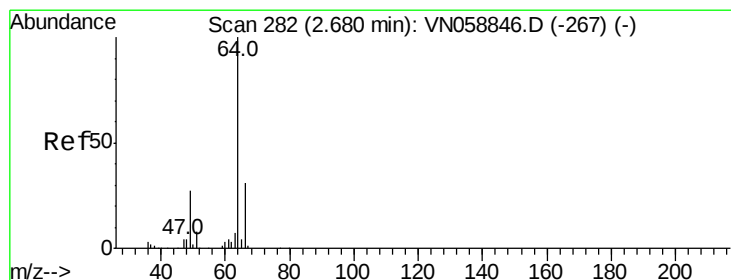
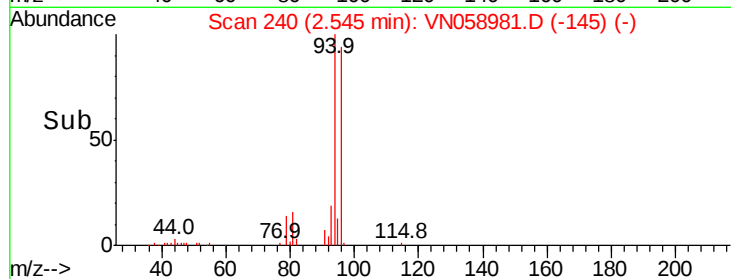
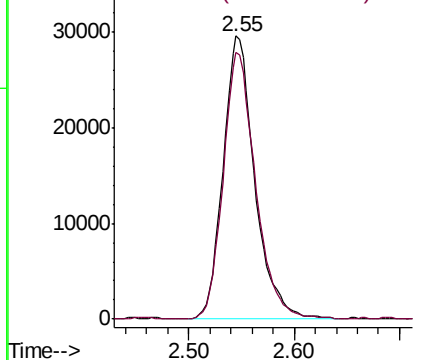
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.547 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058981.D

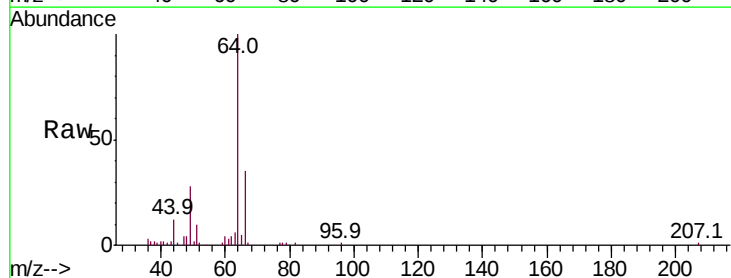
Acq: 25 Oct 2019 12:54

Tgt Ion: 64 Resp: 65631

Ion Ratio Lower Upper

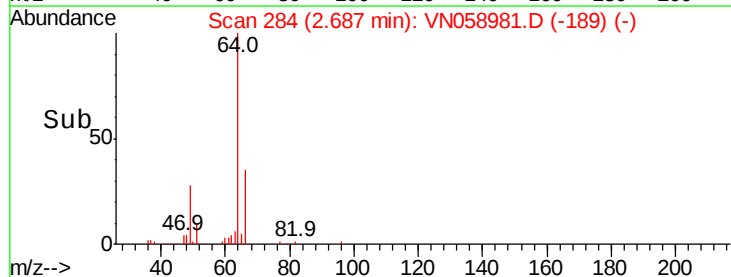
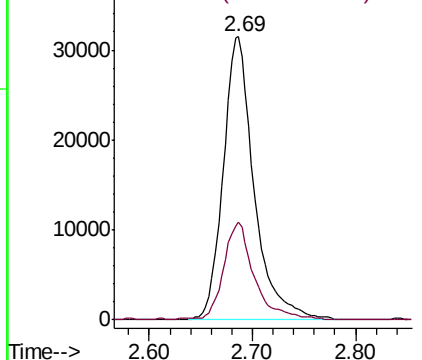
64 100

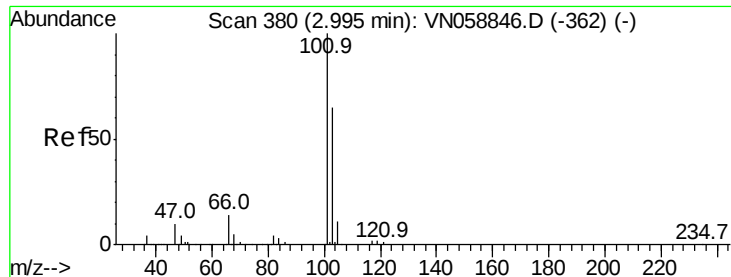
66 34.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

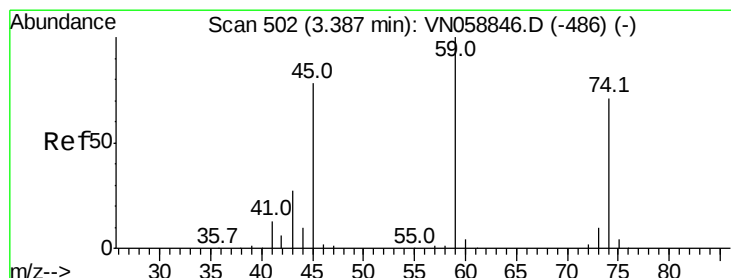
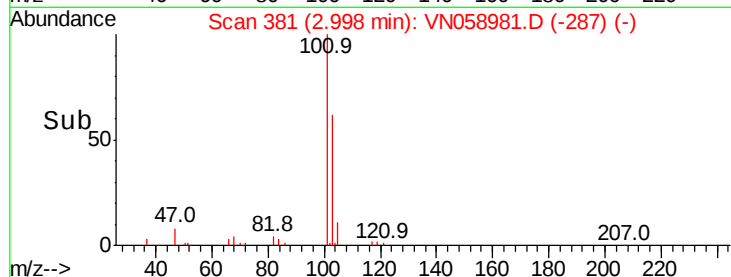
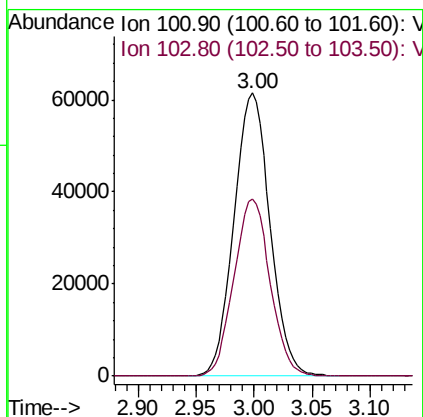
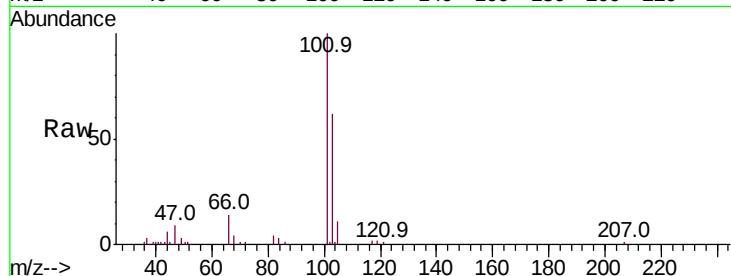
Trichlorofluoromethane
Concen: 20.464 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	52.2	78.2

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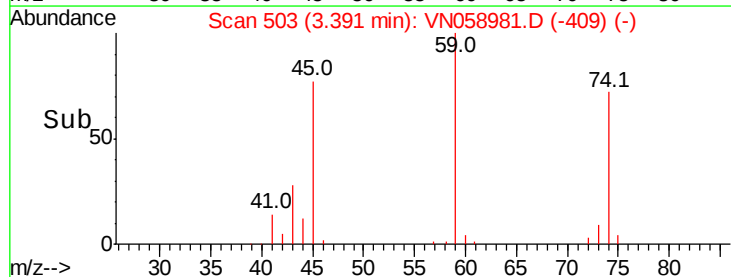
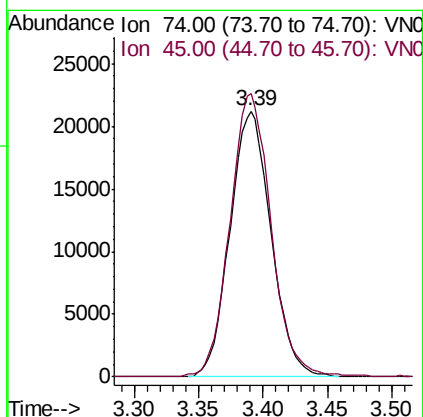
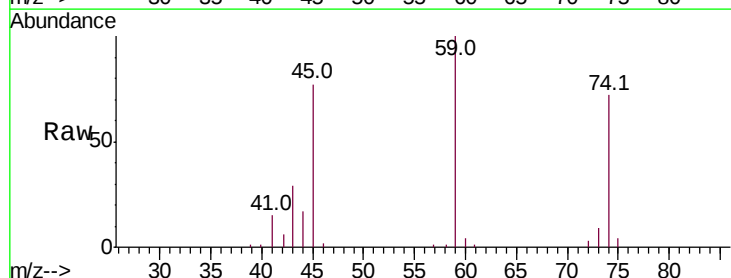
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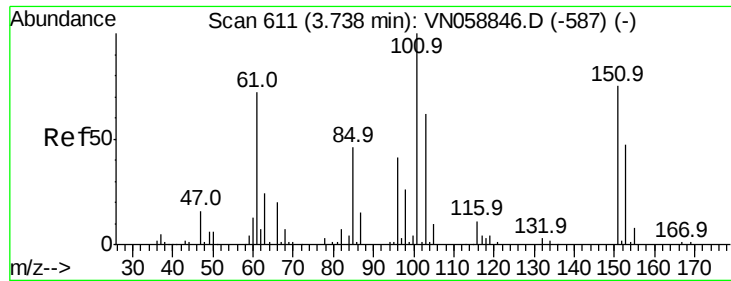


#8

Diethyl Ether
Concen: 20.974 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.7	54.9	164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.234 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

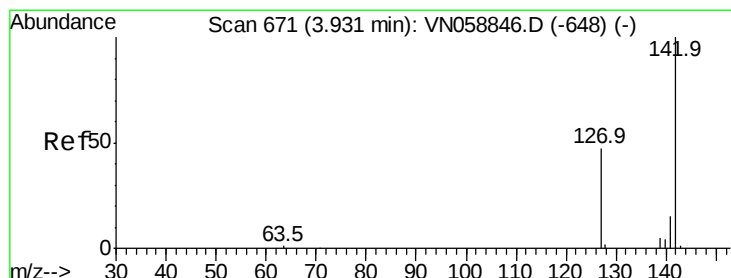
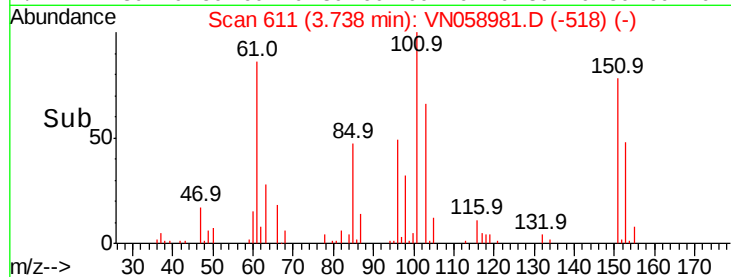
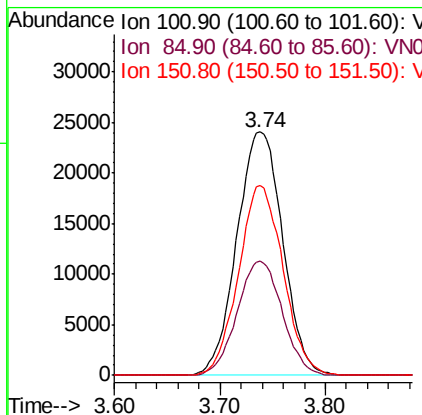
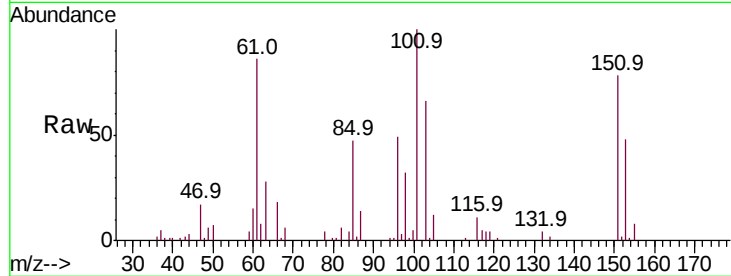
ClientSampleId :

VN1026WBSD01

Tot Ion:	101	Resp:	72671
Ion Ratio	Lower	Upper	
101	100		
85	46.0	37.2	55.8
151	75.9	59.9	89.9

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#10

Methyl Iodide

Concen: 17.311 ug/l

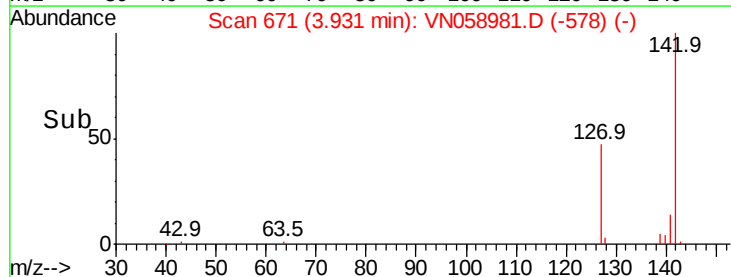
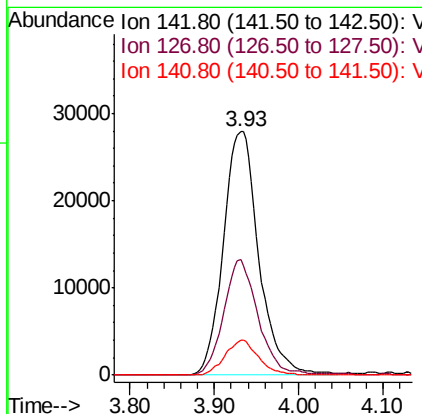
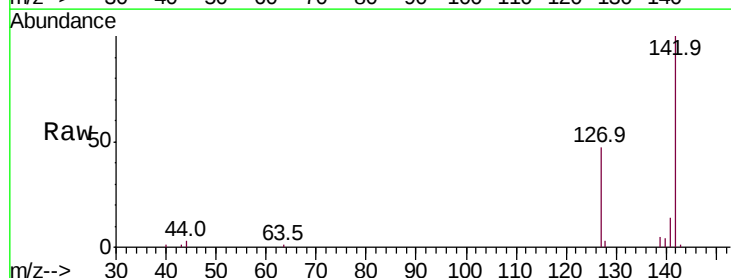
RT: 3.93 min Scan# 671

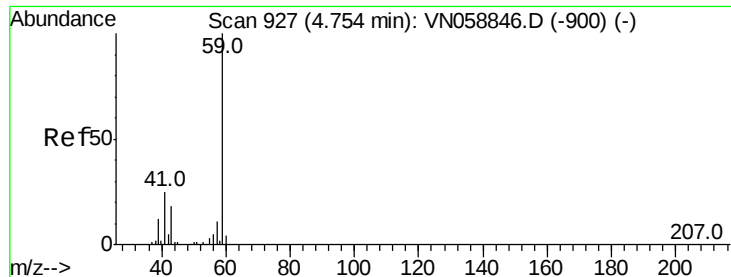
Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Tgt Ion:	142	Resp:	81772
Ion Ratio	Lower	Upper	
142	100		
127	45.0	36.6	54.8
141	13.4	11.4	17.2





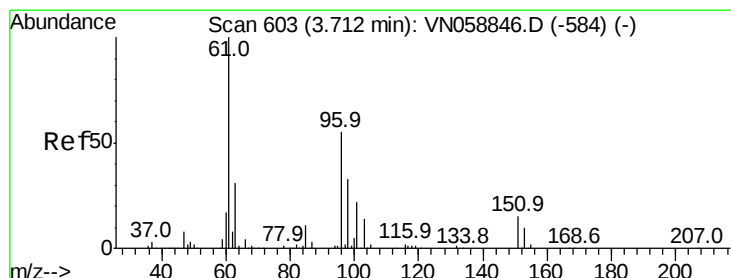
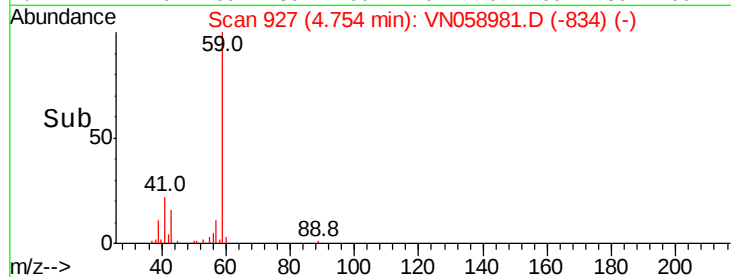
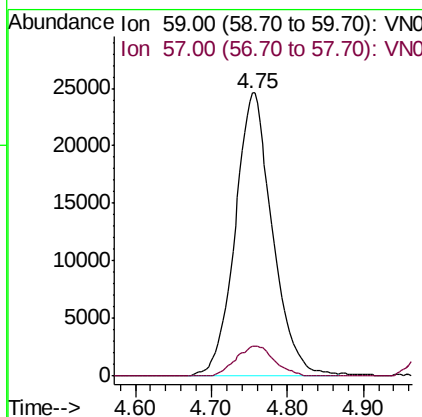
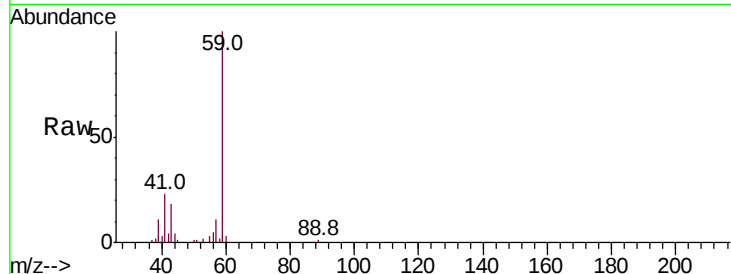
#11
Tert butyl alcohol
Concen: 100.766 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion: 59 Resp: 83751
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8

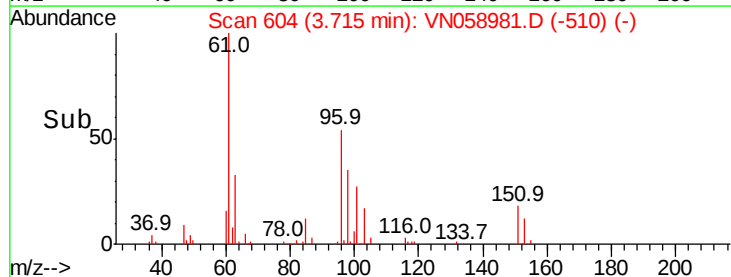
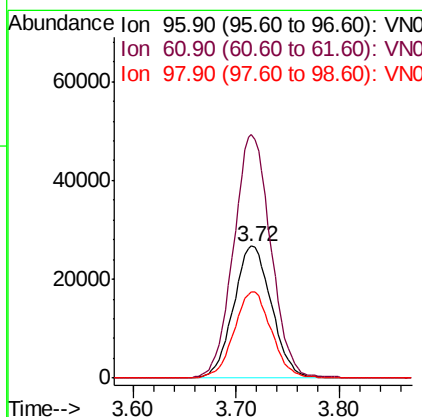
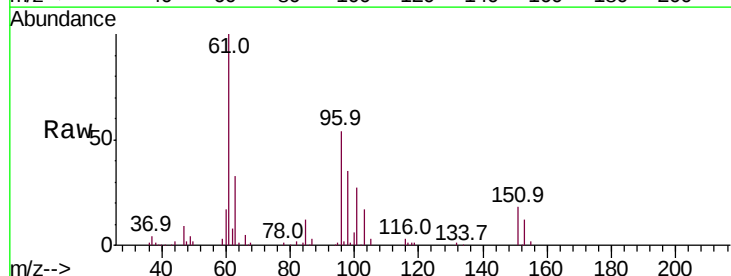
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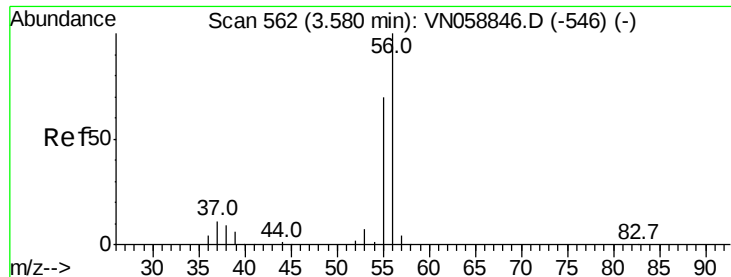
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.344 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Tgt Ion: 96 Resp: 68489
Ion Ratio Lower Upper
96 100
61 184.2 146.2 219.2
98 65.1 48.7 73.1





#13

Acrolein

Concen: 60.931 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 56 Resp: 34797

Ion Ratio Lower Upper

56 100

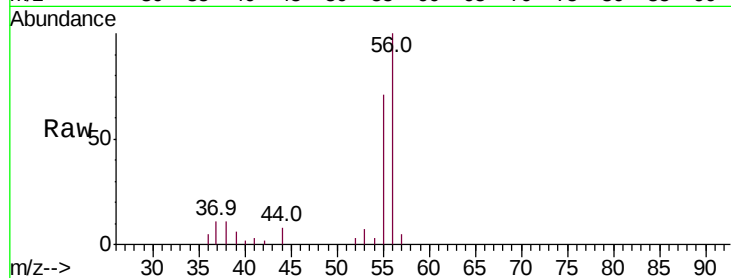
55 69.7 56.6 85.0

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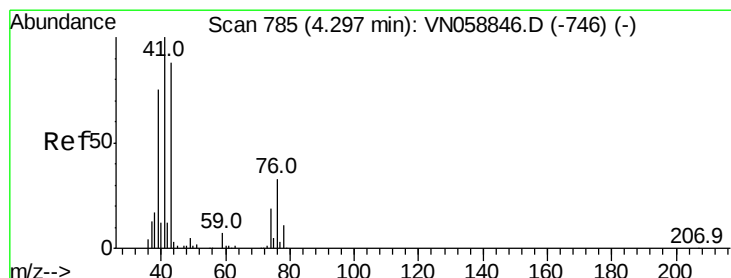
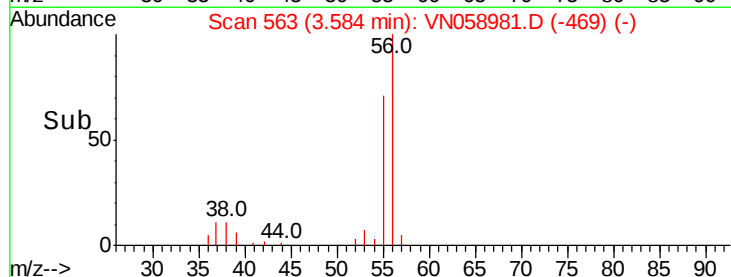
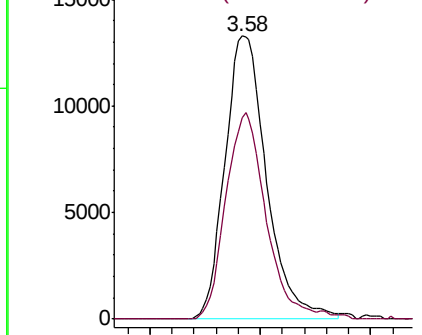
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Abundance Ion 56.00 (55.70 to 56.70): VN058846.D (-546) (-)

Ion 55.00 (54.70 to 55.70): VN058846.D (-546) (-)



#14

Allyl chloride

Concen: 20.699 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

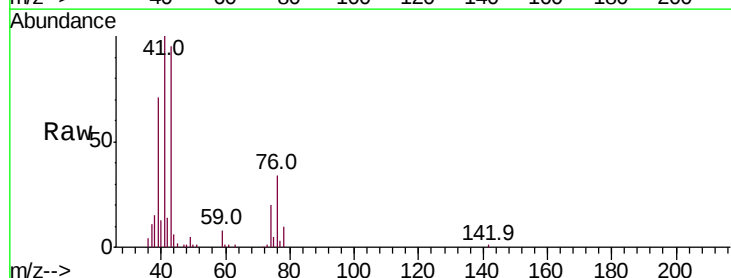
Tgt Ion: 41 Resp: 141003

Ion Ratio Lower Upper

41 100

39 68.0 55.9 83.9

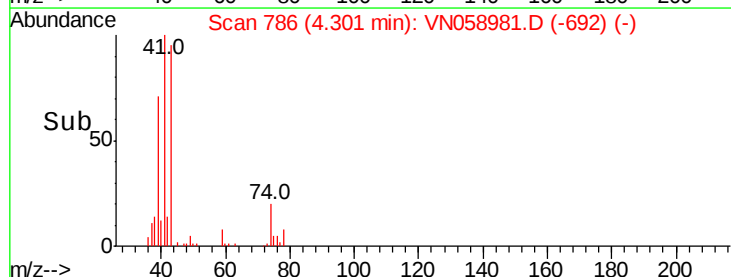
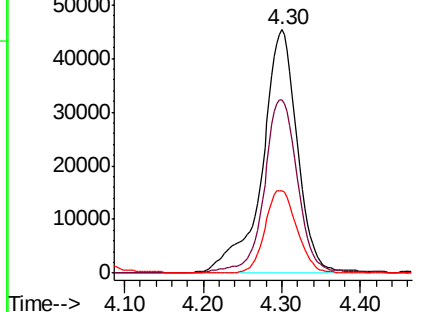
76 31.0 24.1 36.1

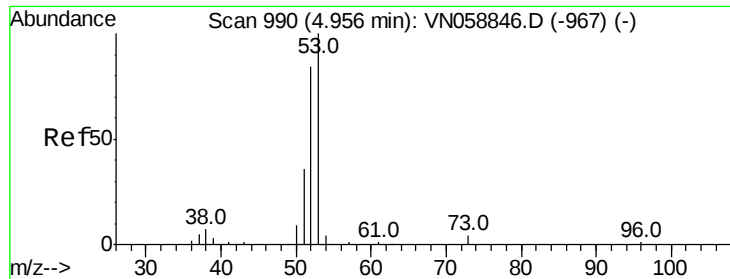


Abundance Ion 41.00 (40.70 to 41.70): VN058846.D (-746) (-)

Ion 39.00 (38.70 to 39.70): VN058846.D (-746) (-)

Ion 75.90 (75.60 to 76.60): VN058846.D (-746) (-)





#15

Acrylonitrile

Concen: 107.314 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

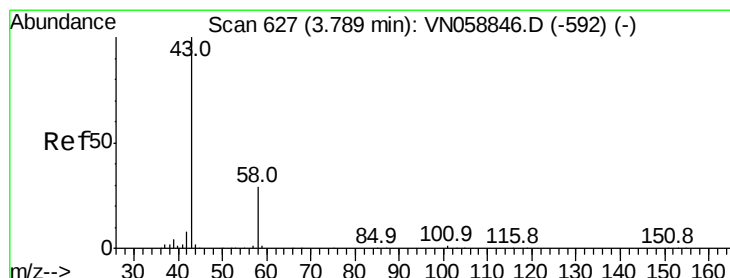
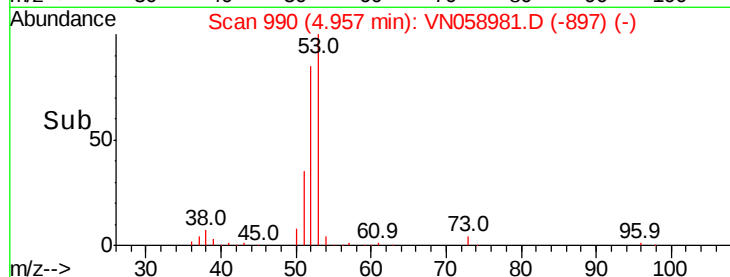
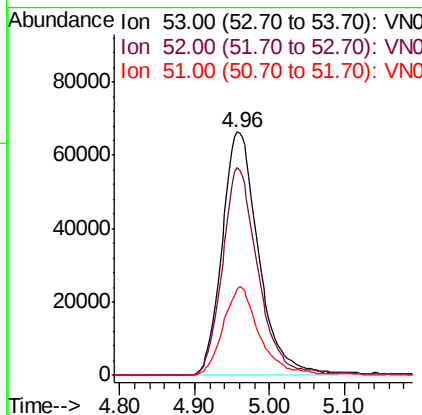
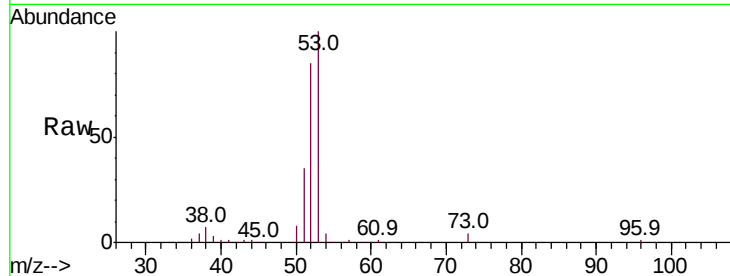
ClientSampleId :

VN1026WBSD01

Tot Ion:	53	Resp:	224359
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.6	99.8
51	36.3	29.2	43.8

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#16

Acetone

Concen: 91.816 ug/l

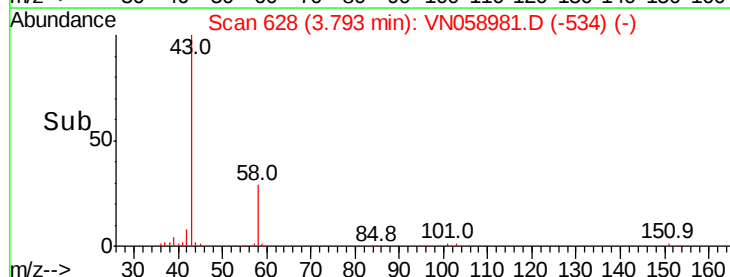
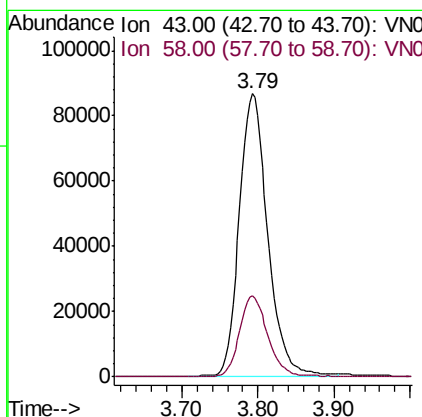
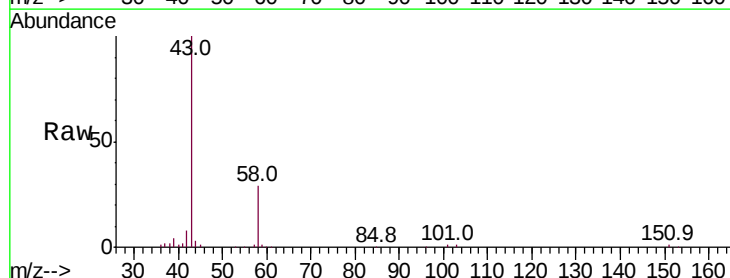
RT: 3.79 min Scan# 628

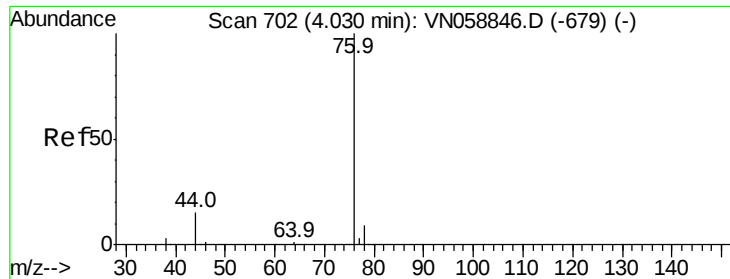
Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Tgt Ion:	43	Resp:	227238
Ion Ratio	Lower	Upper	
43	100		
58	28.7	23.1	34.7





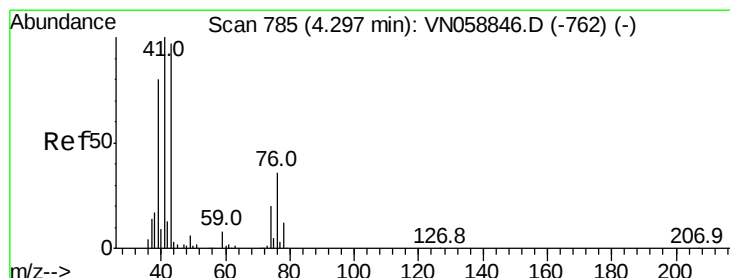
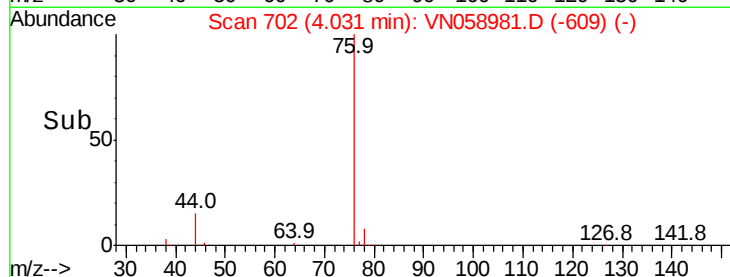
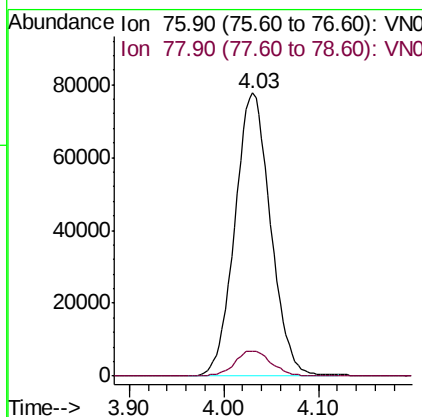
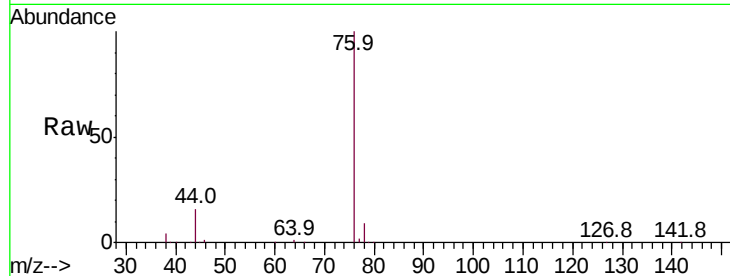
#17
Carbon Disulfide
Concen: 18.828 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

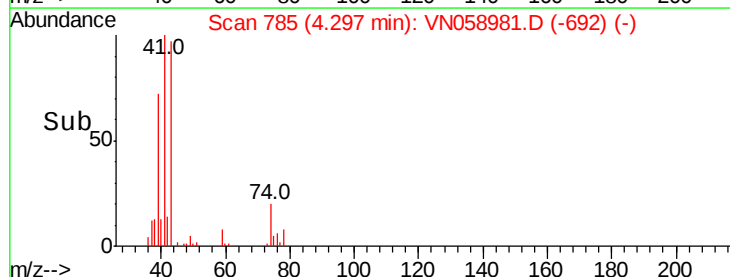
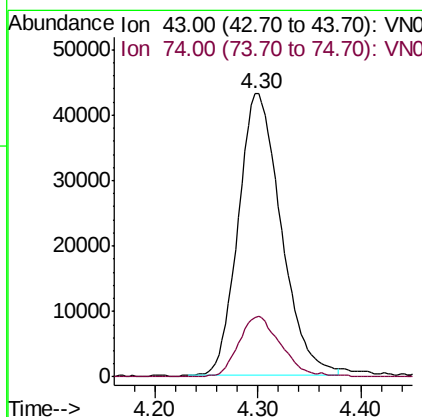
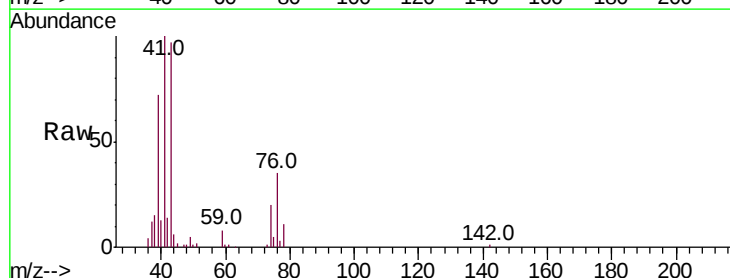
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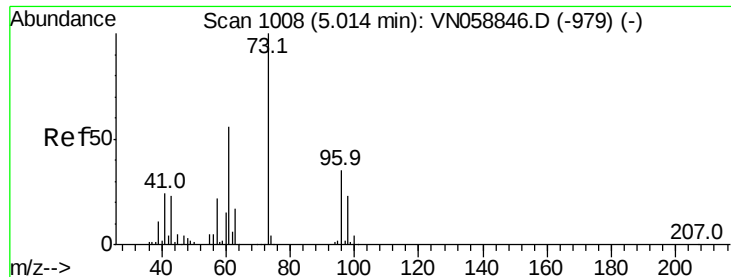
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#18
Methyl Acetate
Concen: 22.204 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.1	25.7





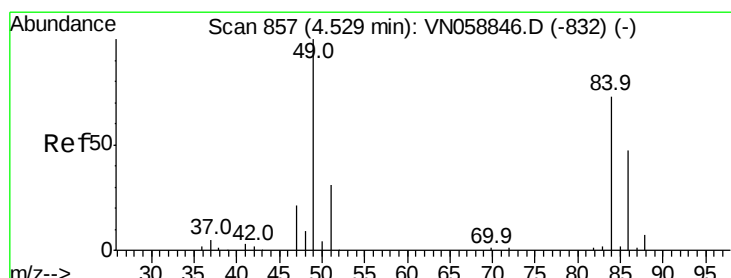
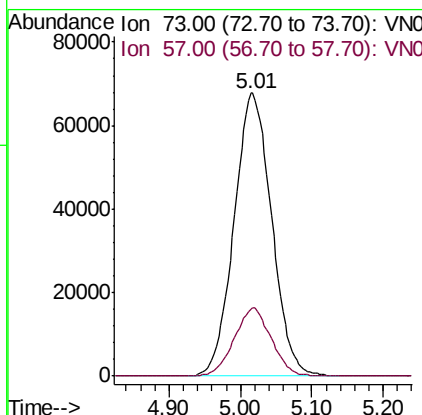
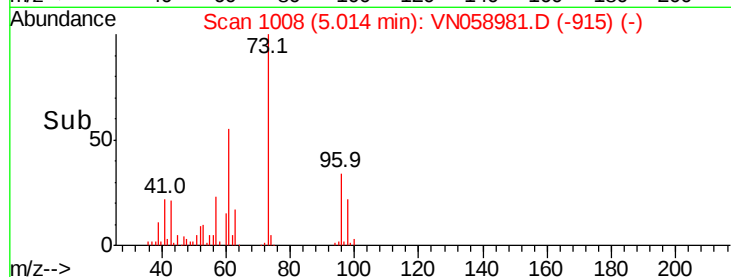
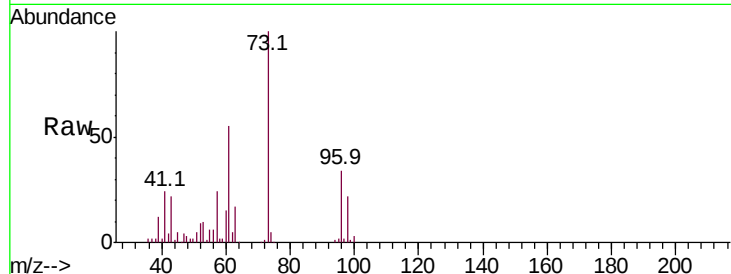
#19
Methvl tert-butvl Ether
Concen: 21.047 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion: 73 Resp: 248106
Ion Ratio Lower Upper
73 100
57 23.7 17.9 26.9

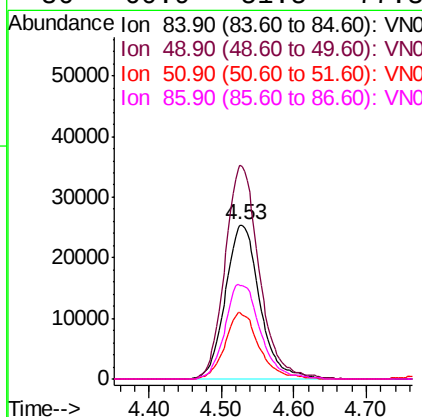
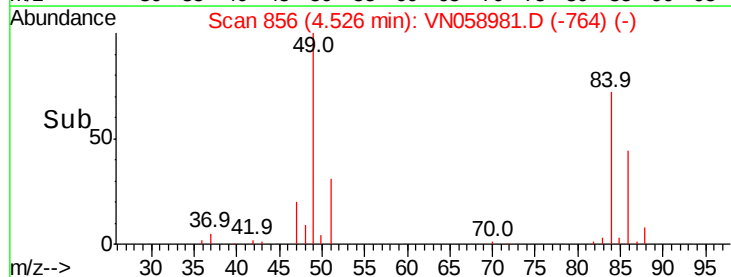
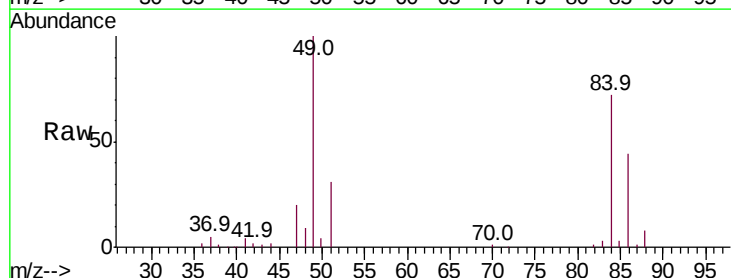
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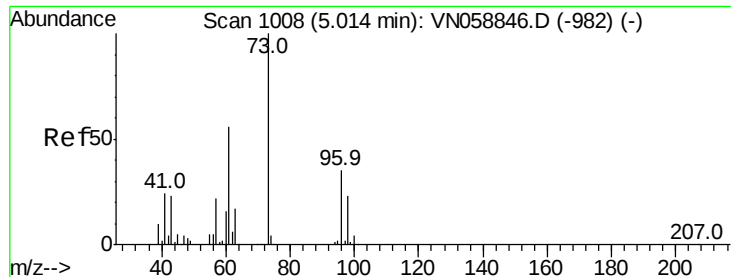
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#20
Methylene Chloride
Concen: 19.882 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Tgt Ion: 84 Resp: 84021
Ion Ratio Lower Upper
84 100
49 138.8 109.6 164.4
51 43.1 33.8 50.6
86 60.9 51.5 77.3





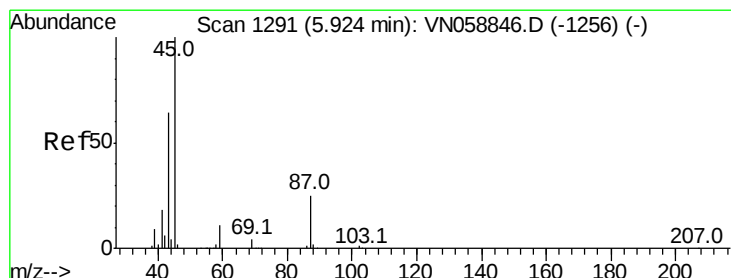
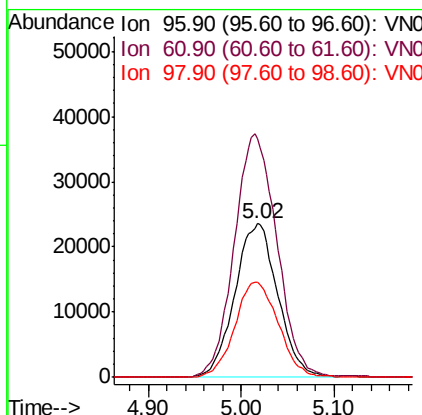
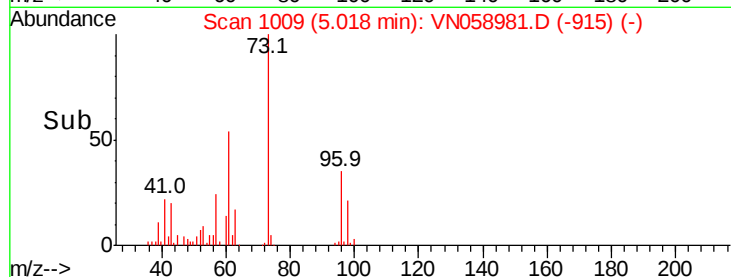
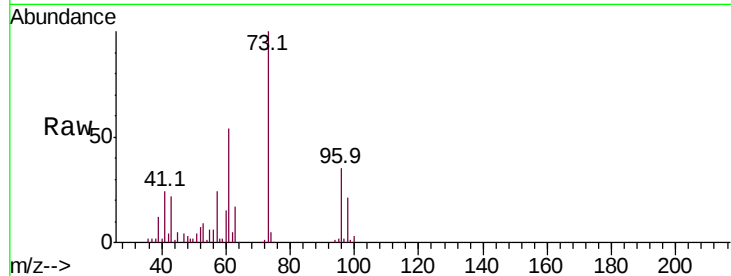
#21
trans-1,2-Dichloroethene
Concen: 20.362 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.7	126.7	190.1
98	61.7	52.0	78.0

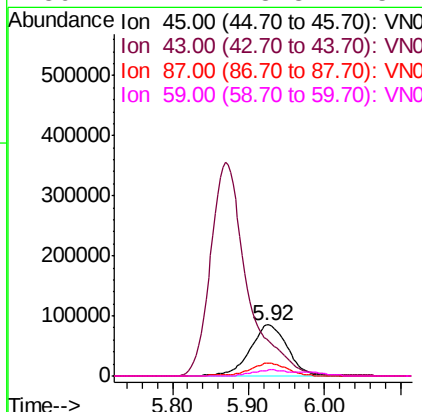
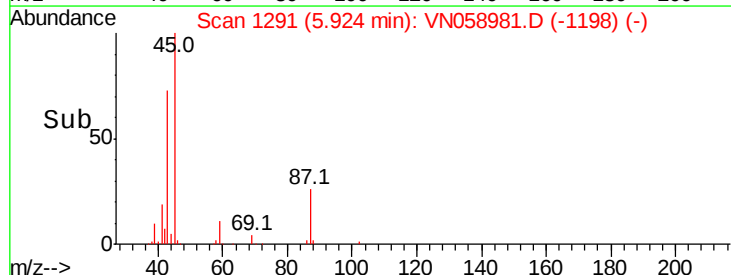
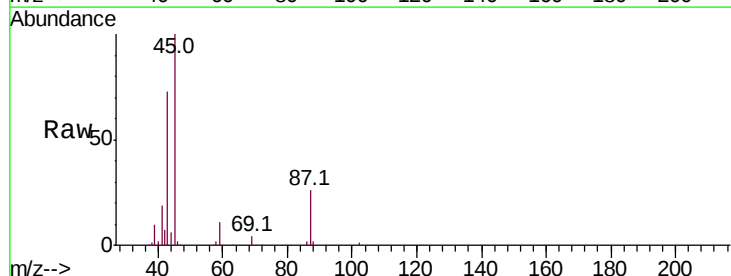
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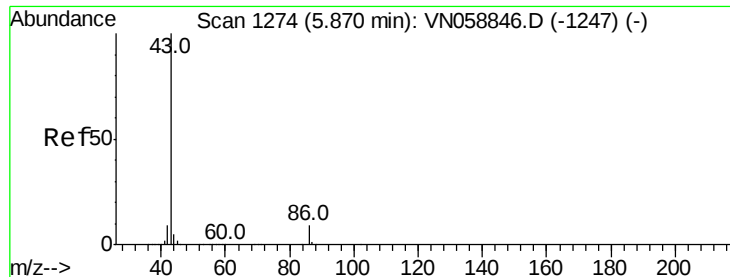
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#22
Diisopropyl ether
Concen: 21.715 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.4	52.9	79.3
87	25.8	20.2	30.4
59	11.1	8.8	13.2





#23

Vinyl Acetate

Concen: 111.404 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 43 Resp: 1192611

Ion Ratio Lower Upper

43 100

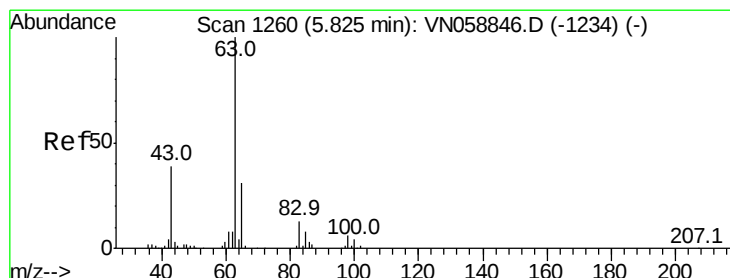
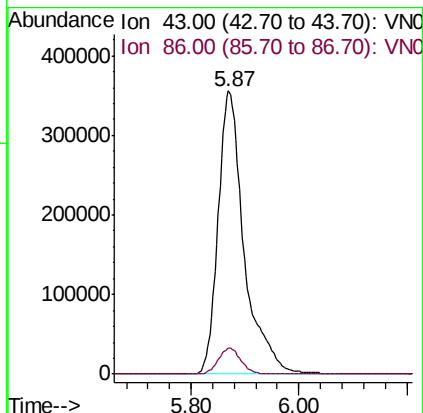
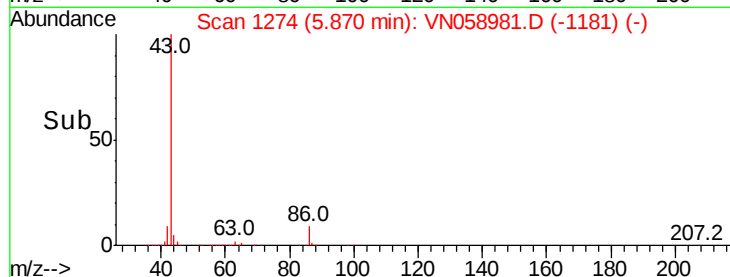
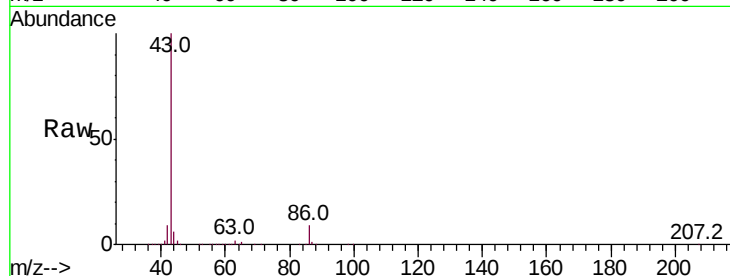
86 9.1 7.2 10.8

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#24

1,1-Dichloroethane

Concen: 20.859 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

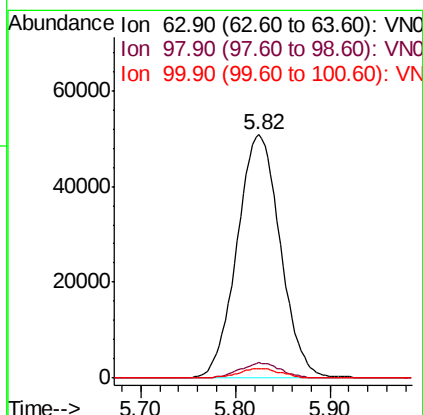
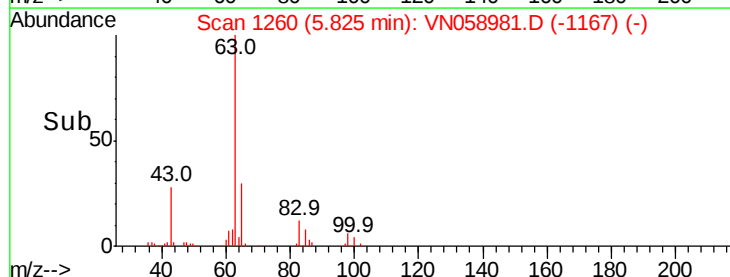
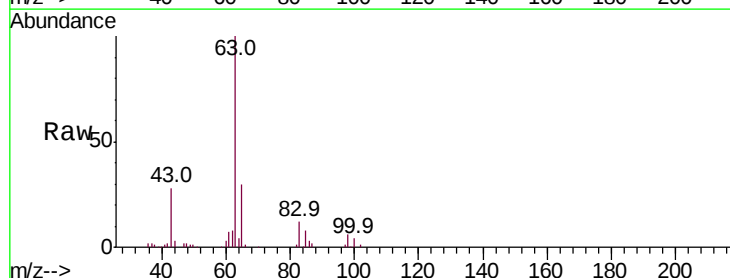
Tgt Ion: 63 Resp: 161159

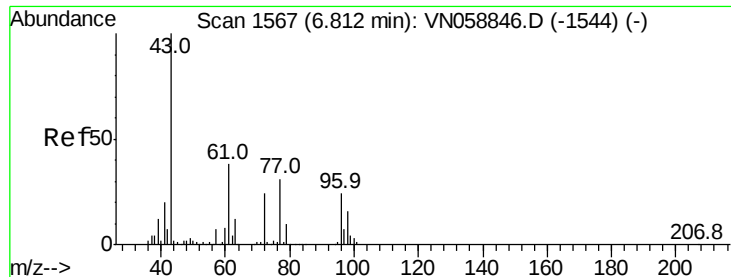
Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 3.7 1.9 5.7





#25

2-Butanone

Concen: 98.848 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 43 Resp: 317571

Ion Ratio Lower Upper

43 100

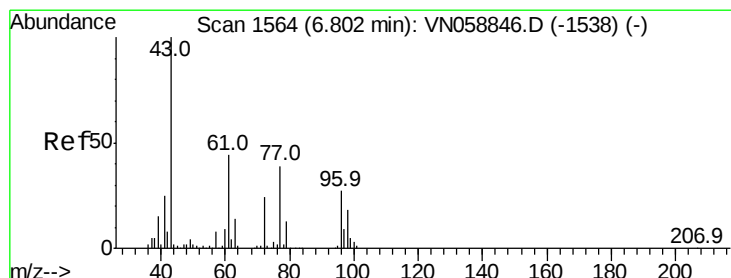
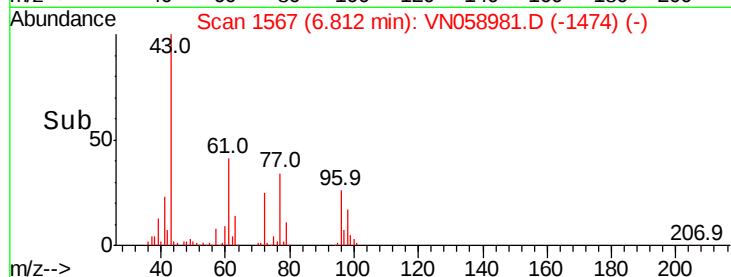
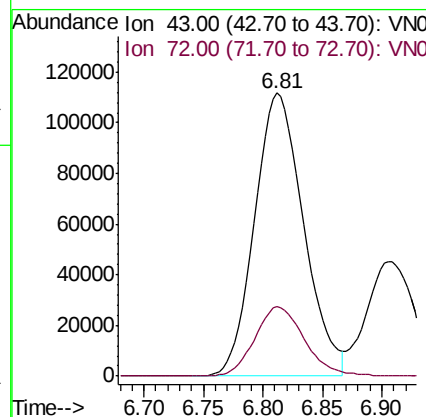
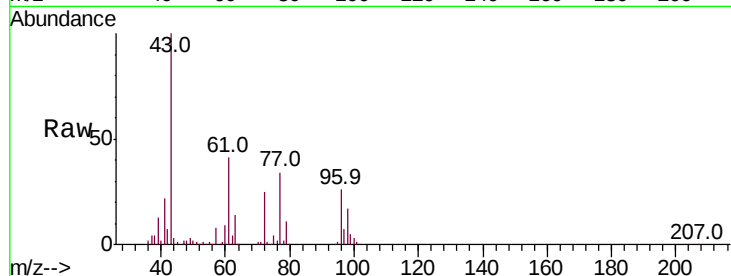
72 24.9 19.1 28.7

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#26

2,2-Dichloropropane

Concen: 20.176 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058981.D

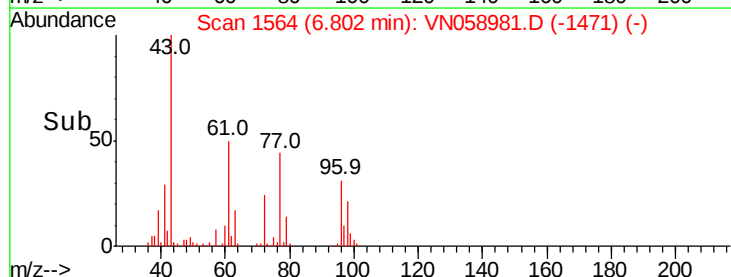
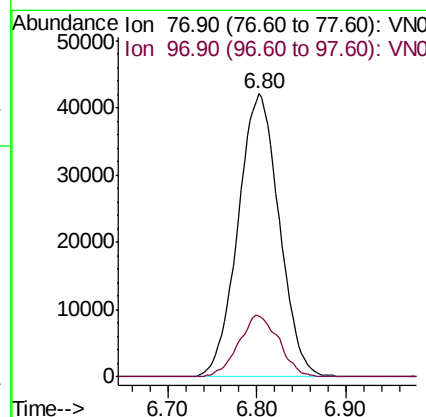
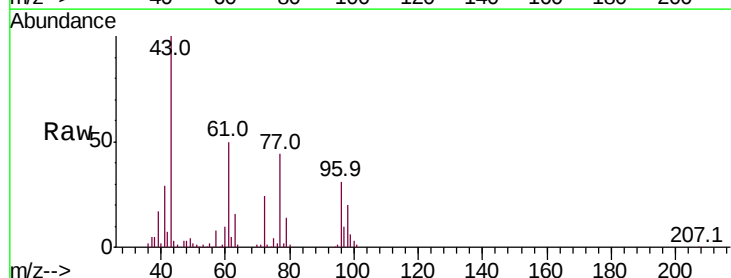
Acq: 25 Oct 2019 12:54

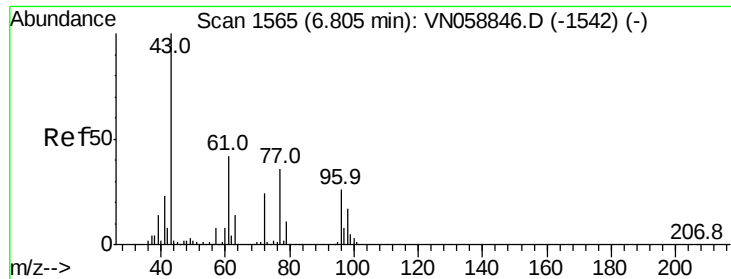
Tgt Ion: 77 Resp: 134834

Ion Ratio Lower Upper

77 100

97 21.3 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 20.854 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

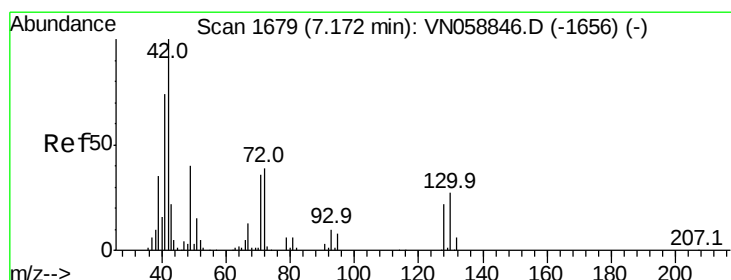
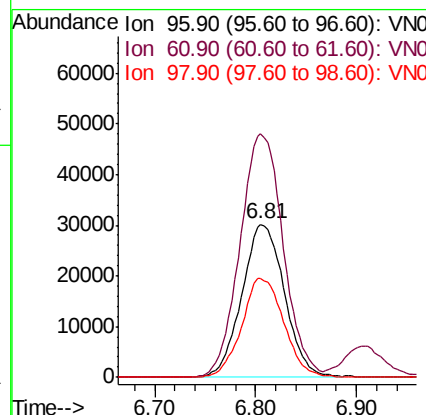
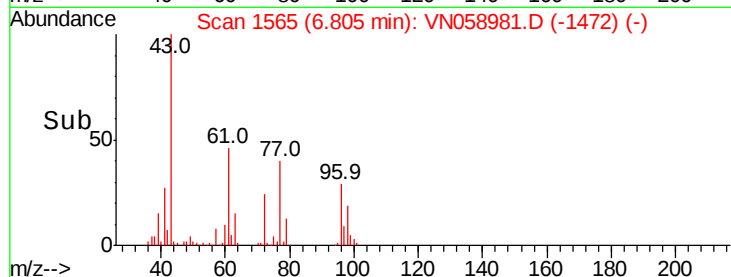
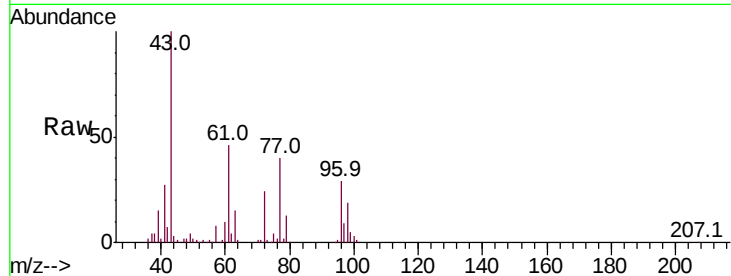
ClientSampleId :

VN1026WBSD01

Tot Ion:	96	Resp:	88566
Ion Ratio	Lower	Upper	
96	100		
61	161.2	0.0	325.0
98	63.6	0.0	128.0

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#28

Bromochloromethane

Concen: 20.526 ug/l

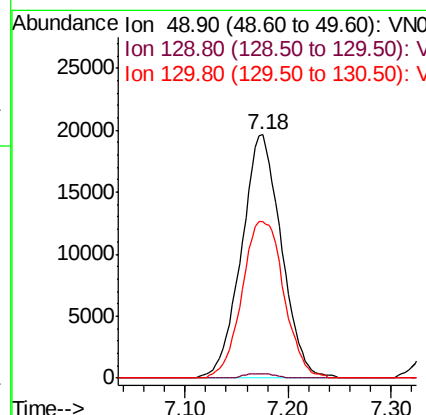
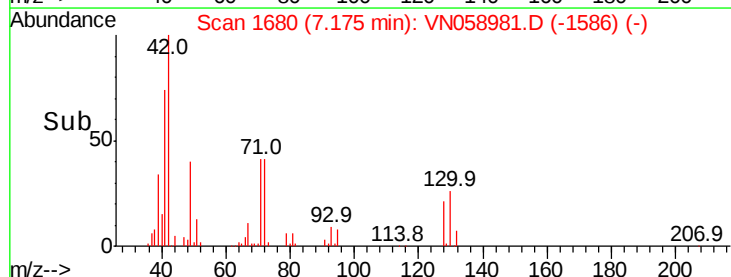
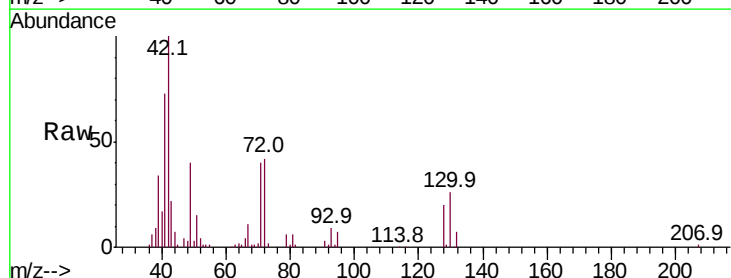
RT: 7.18 min Scan# 1680

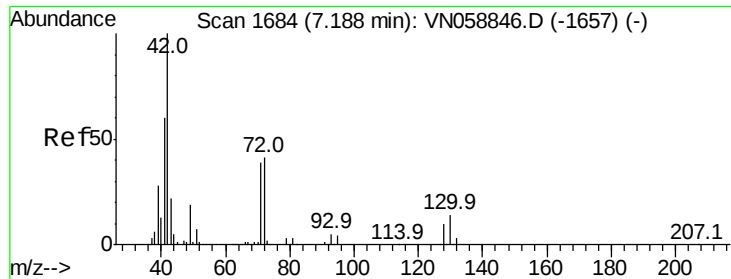
Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Tgt Ion:	49	Resp:	52816
Ion Ratio	Lower	Upper	
49	100		
129	1.4	0.0	3.2
130	67.5	53.5	80.3





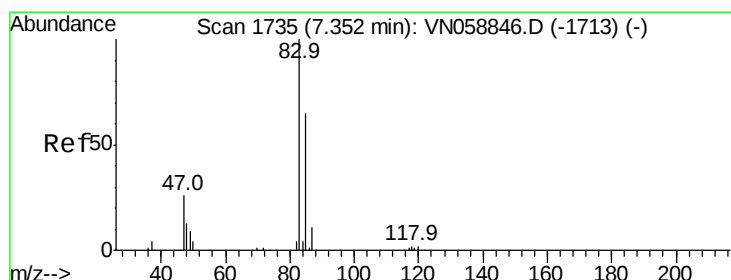
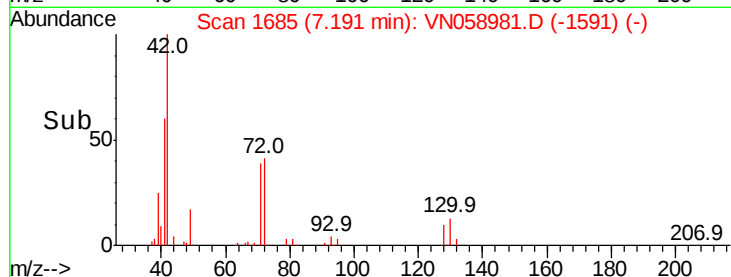
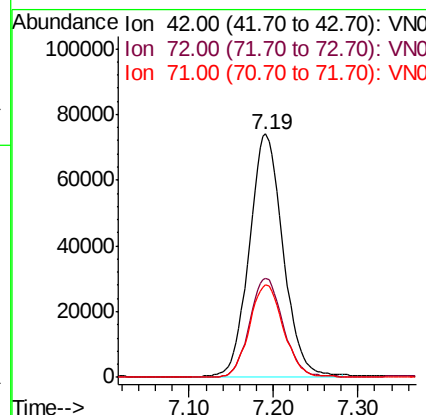
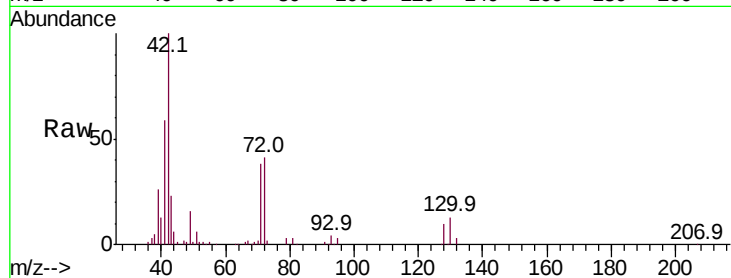
#29
Tetrahydrofuran
Concen: 105.571 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.2	48.2
71	38.0	30.6	45.8

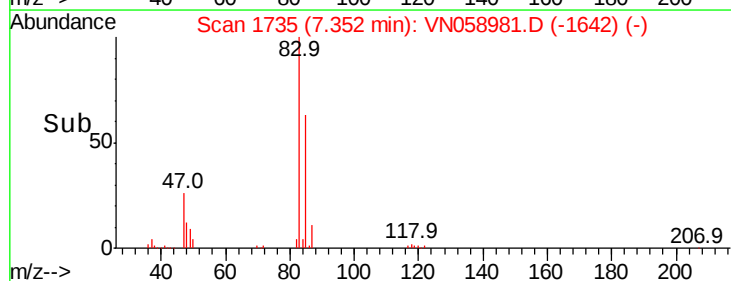
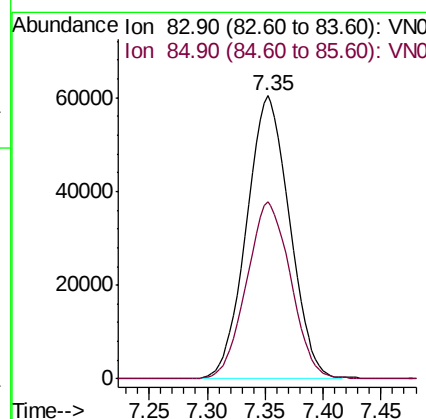
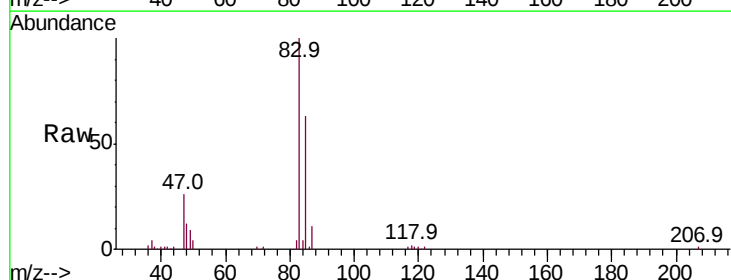
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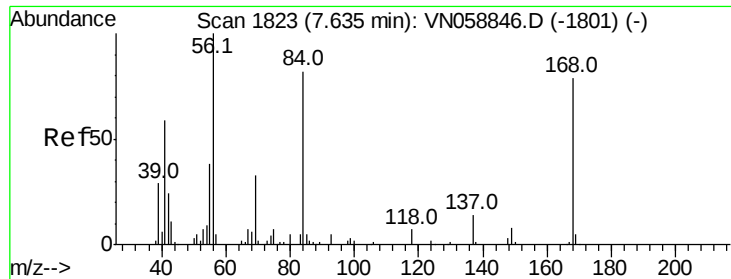
MMDadoda
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#30
Chloroform
Concen: 20.195 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.9	77.9





#31

Cyclohexane

Concen: 19.286 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 56 Resp: 138819

Ion Ratio Lower Upper

56 100

69 37.2 26.2 39.4

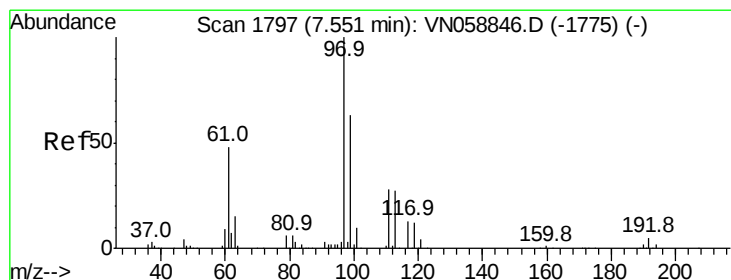
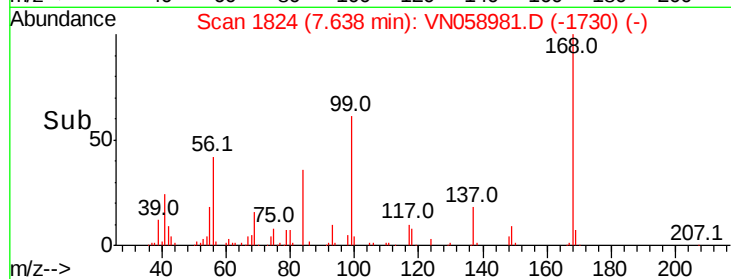
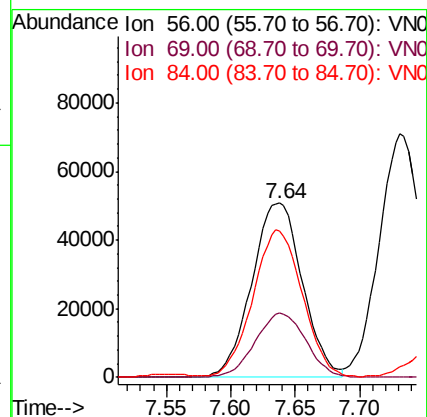
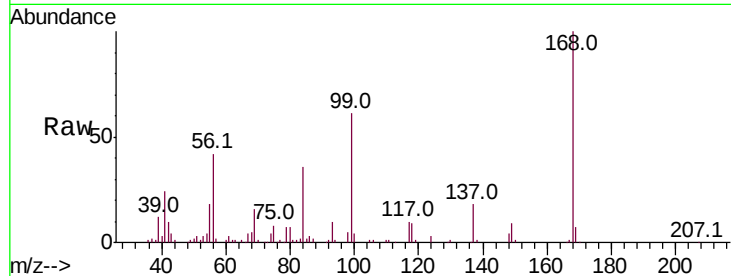
84 83.3 65.6 98.4

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#32

1,1,1-Trichloroethane

Concen: 20.424 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

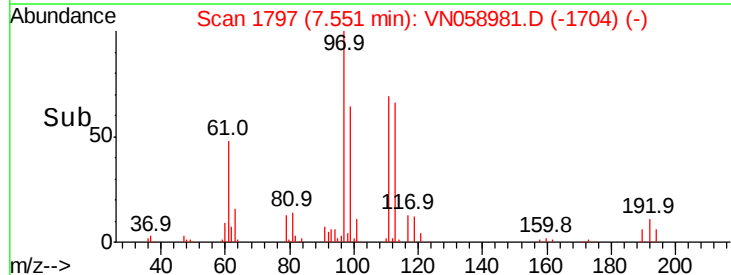
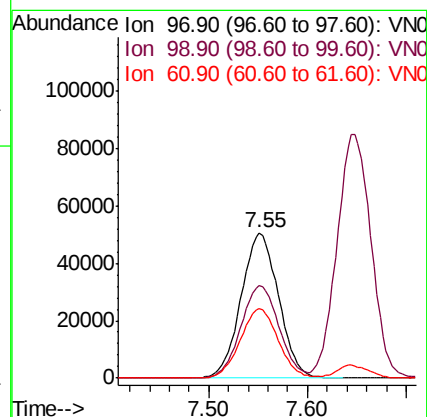
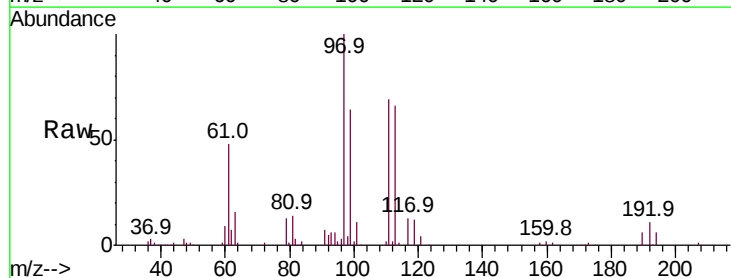
Tgt Ion: 97 Resp: 133418

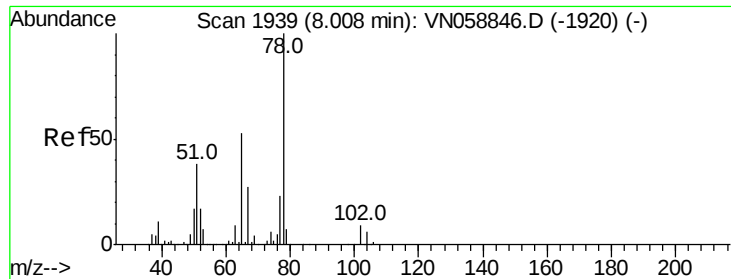
Ion Ratio Lower Upper

97 100

99 64.7 51.0 76.4

61 48.1 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 49.991 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058981.D

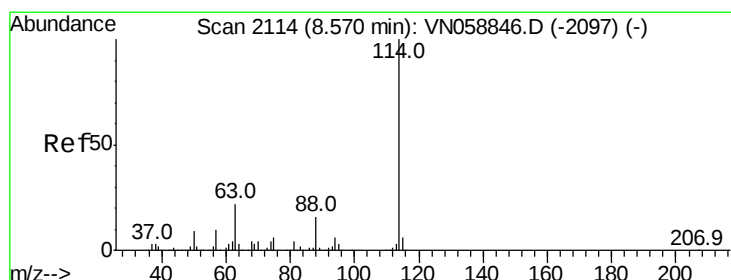
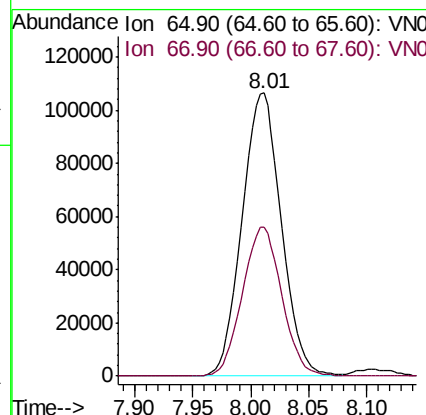
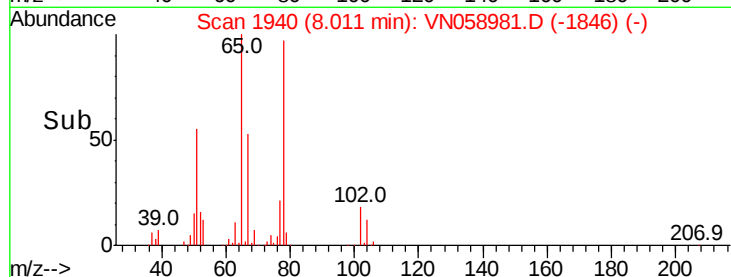
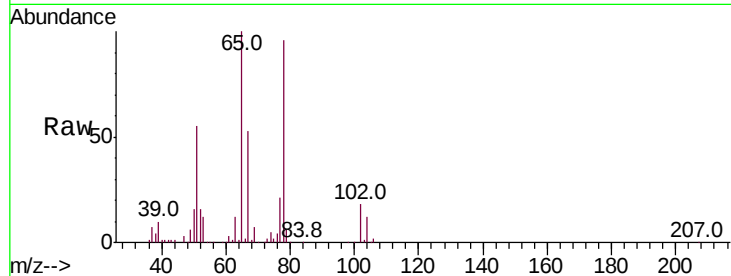
Acq: 25 Oct 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	103.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

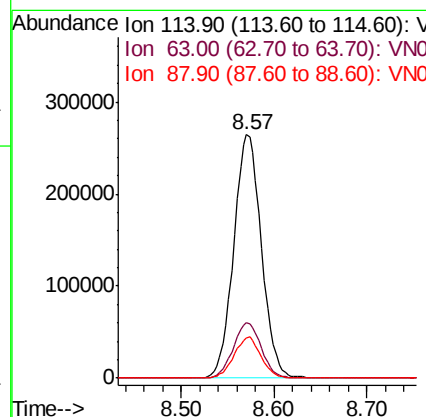
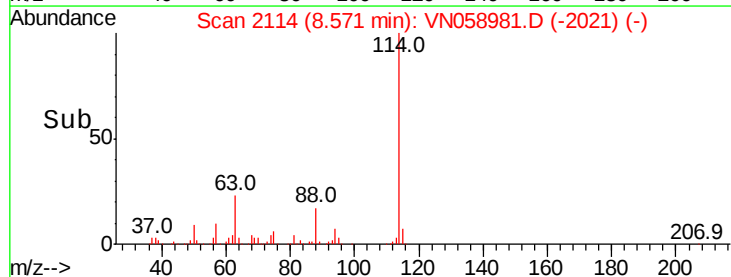
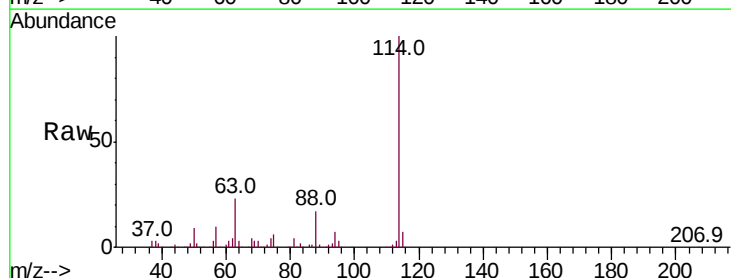
RT: 8.57 min Scan# 2114

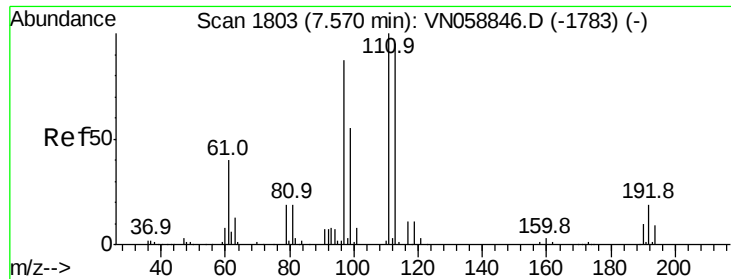
Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	44.4
88	16.6	0.0	31.4





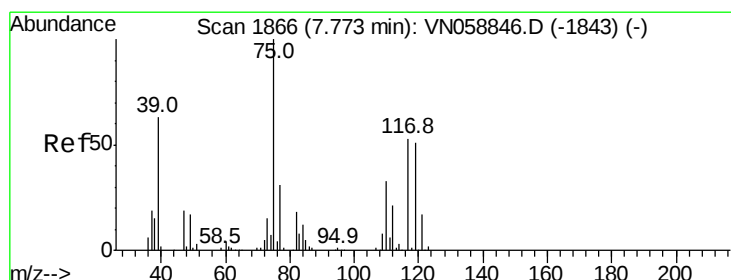
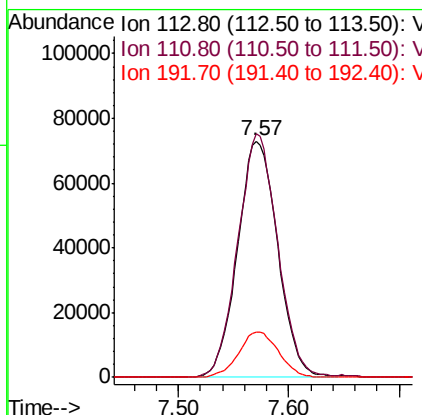
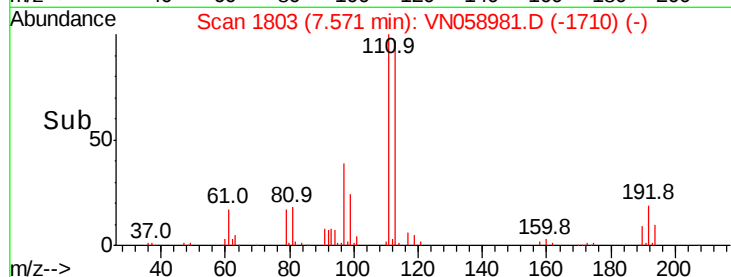
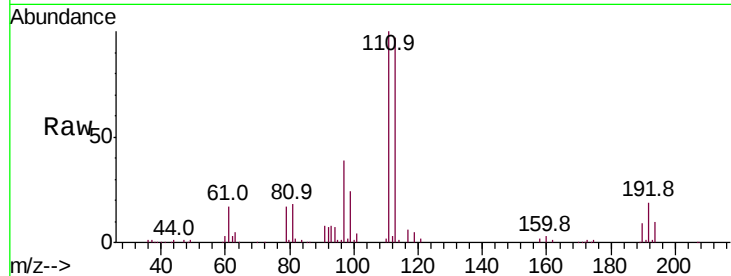
#35
Dibromofluoromethane
Concen: 51.213 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	183885		
111	102.2	82.0	123.0	
192	19.1	15.0	22.6	

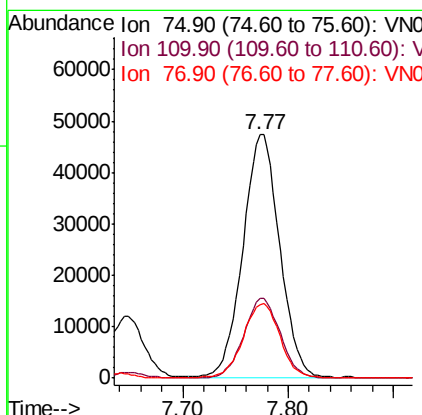
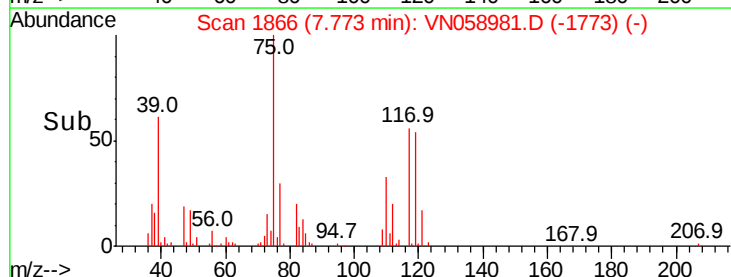
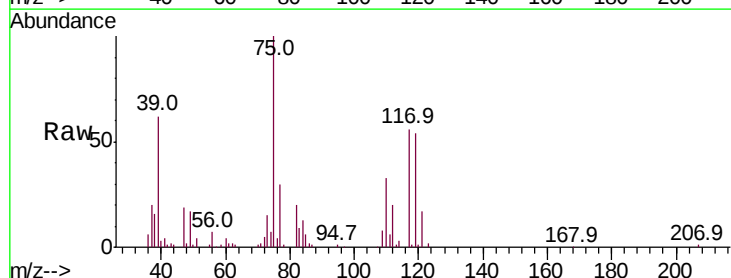
Manual Integrations
APPROVED

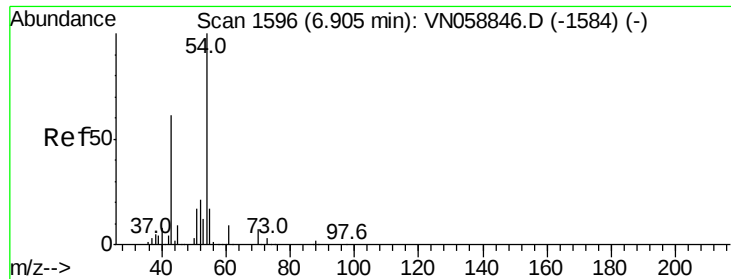
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#36
1,1-Dichloropropene
Concen: 20.524 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	114753		
110	32.6	16.3	48.9	
77	31.0	24.6	36.8	





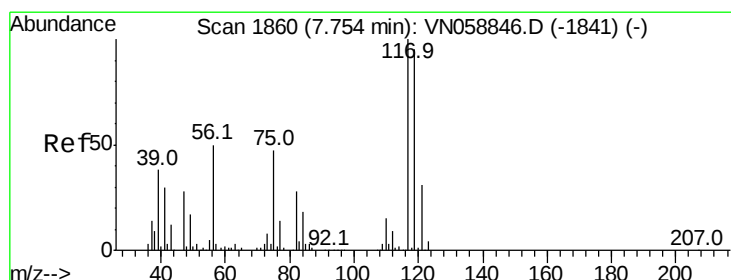
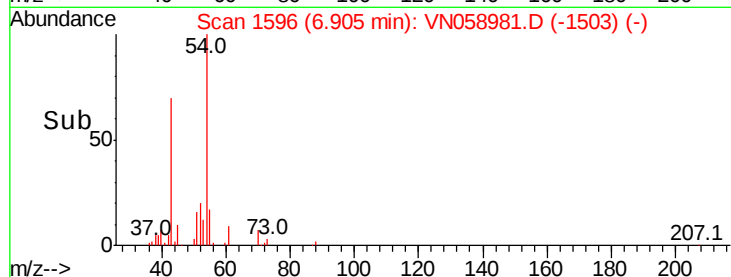
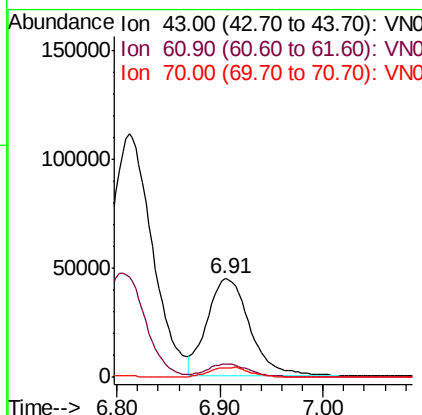
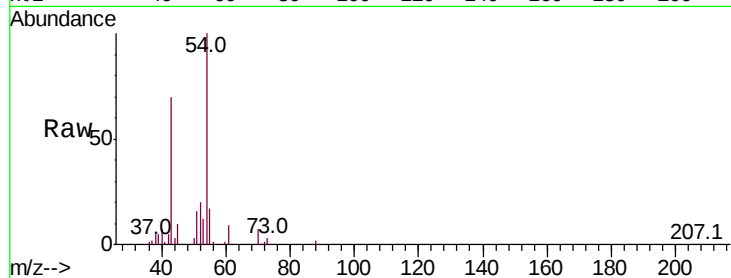
#37
Ethyl Acetate
Concen: 21.166 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	9.9	7.6	11.4

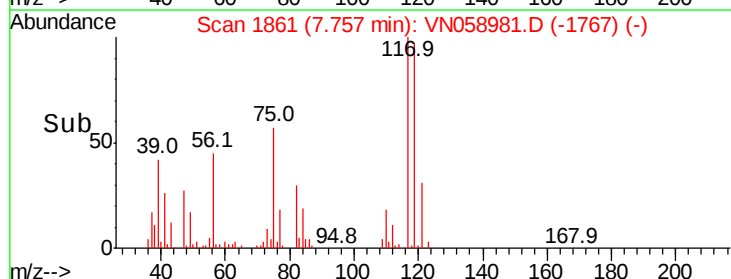
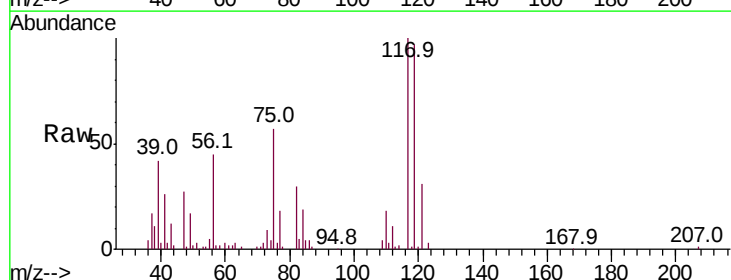
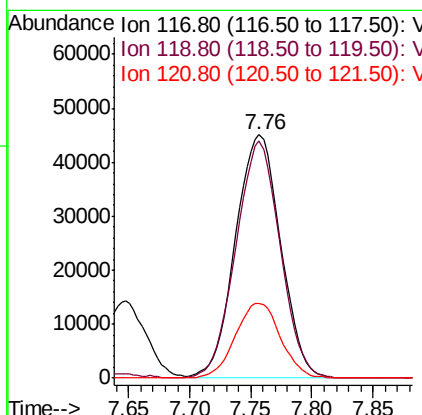
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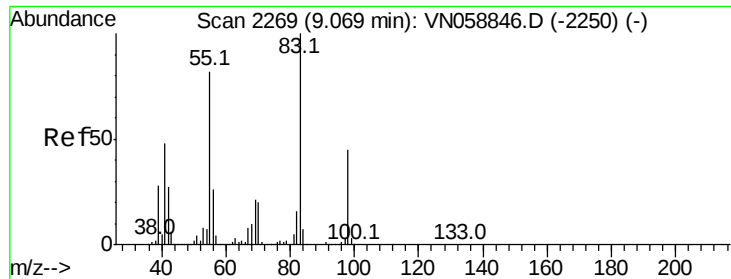
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#38
Carbon Tetrachloride
Concen: 19.954 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.7	113.5
121	31.0	25.0	37.6





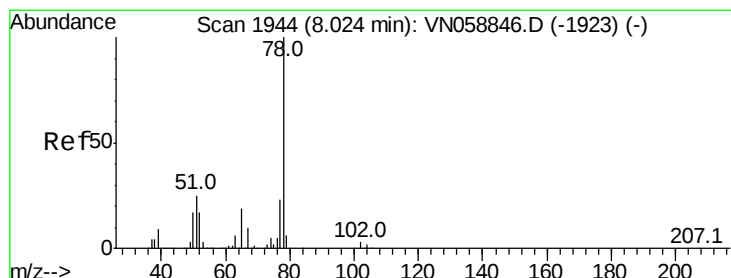
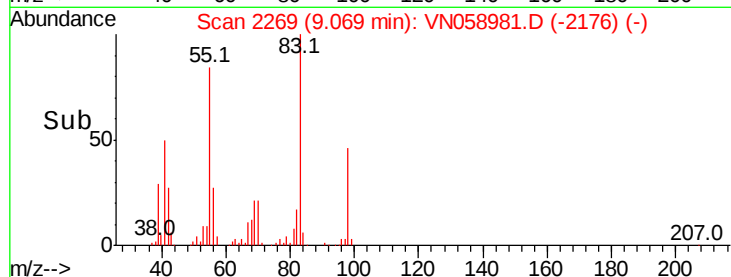
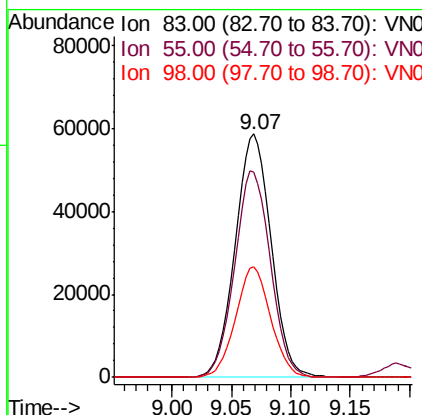
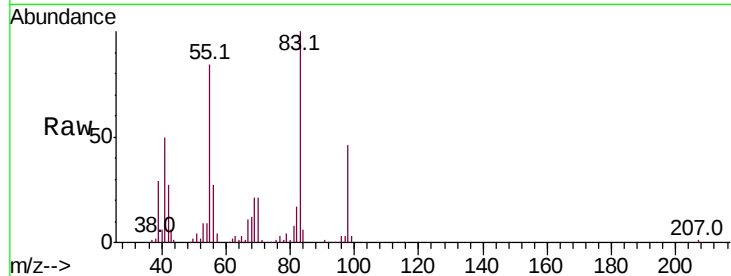
#39
Methvlcvclohexane
Concen: 19.550 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	84.5	65.5	98.3	
98	45.6	35.7	53.5	

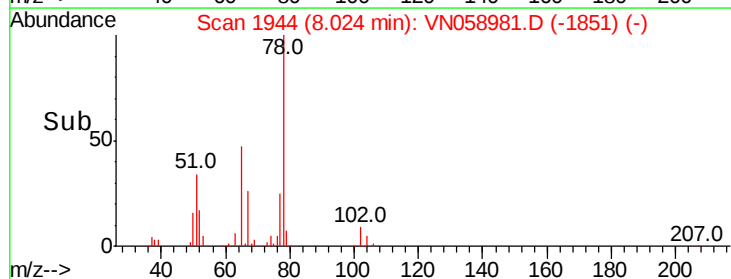
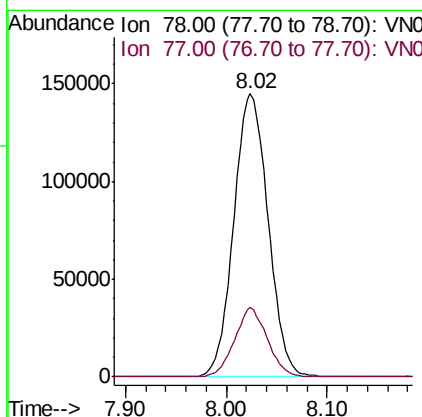
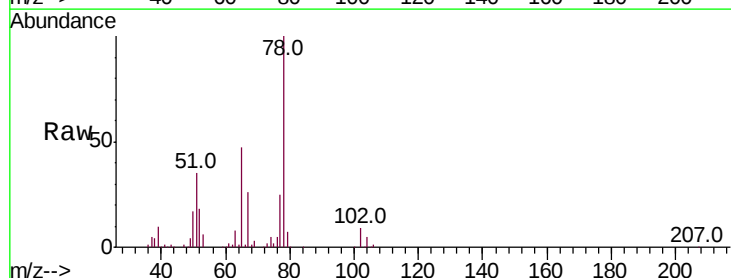
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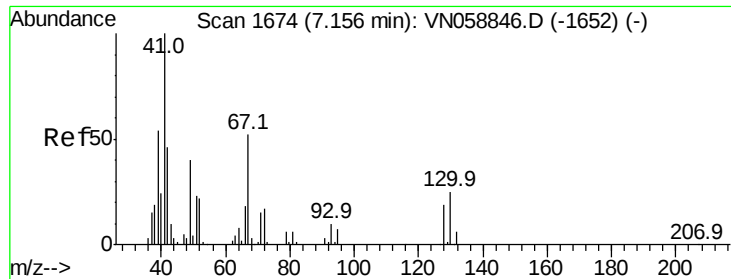
MMDadoda
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#40
Benzene
Concen: 20.829 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.7	18.2	27.2	





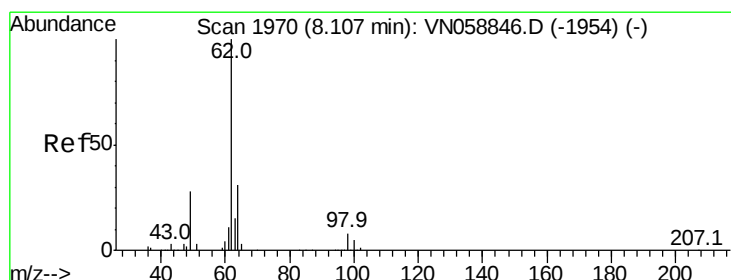
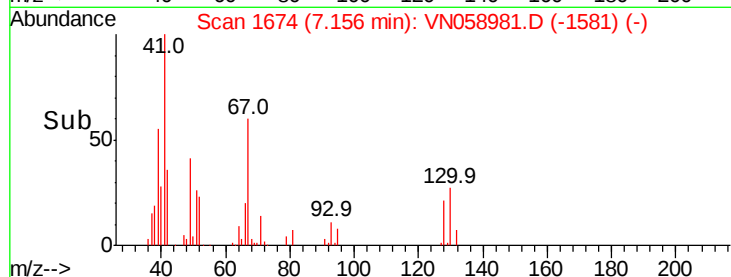
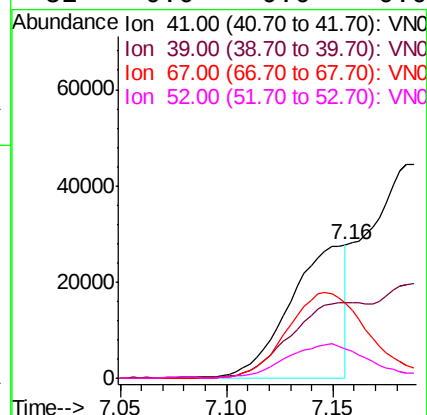
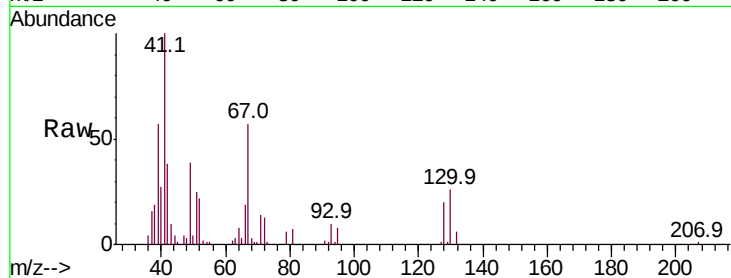
#41
Methacrylonitrile
Concen: 18.796 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	41	Resp	51000
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

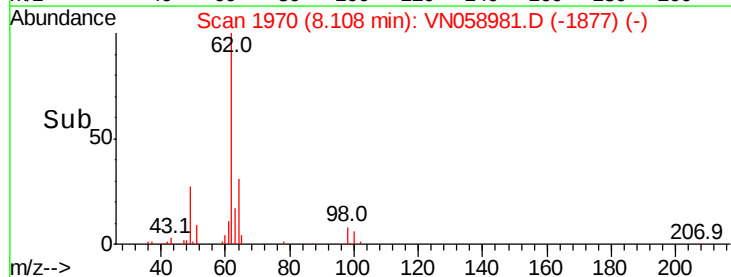
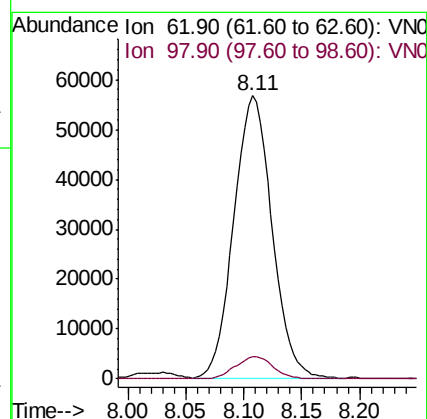
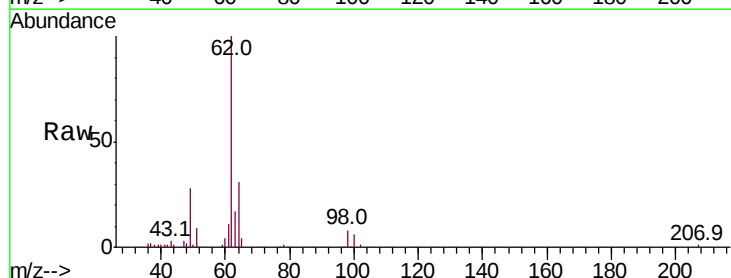
Manual Integrations
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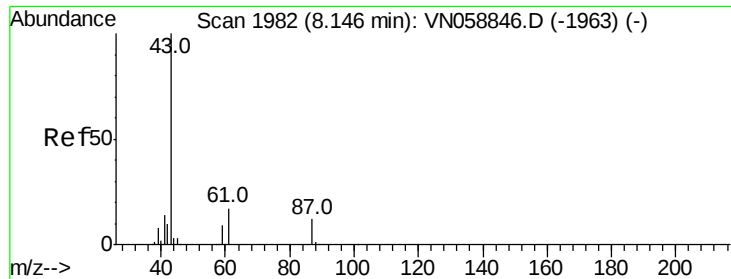
MMDadoda
10/28/2019 9:47:59 AM



#42
1,2-Dichloroethane
Concen: 20.536 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Tgt Ion	62	Resp	129882
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	16.2





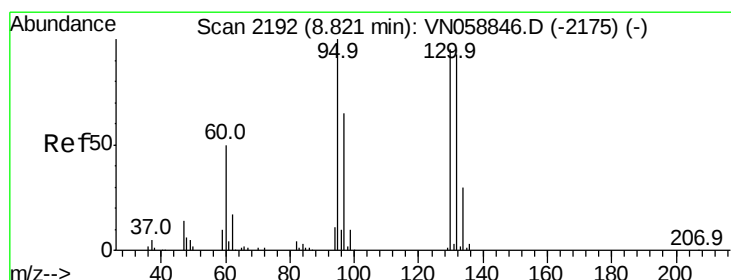
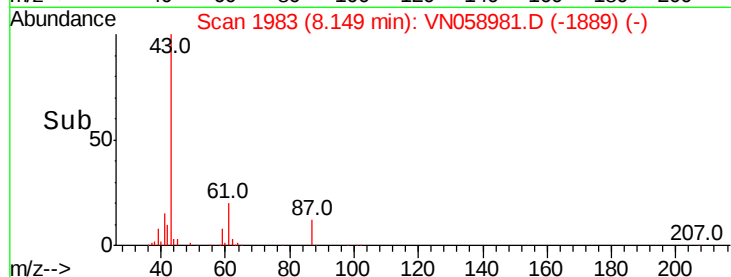
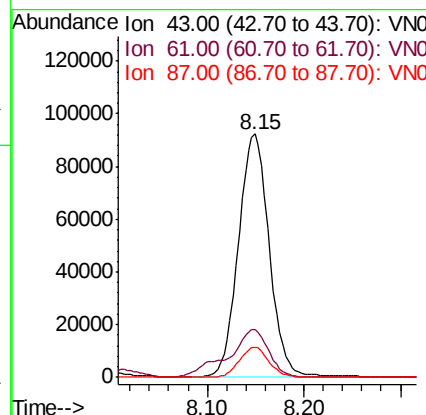
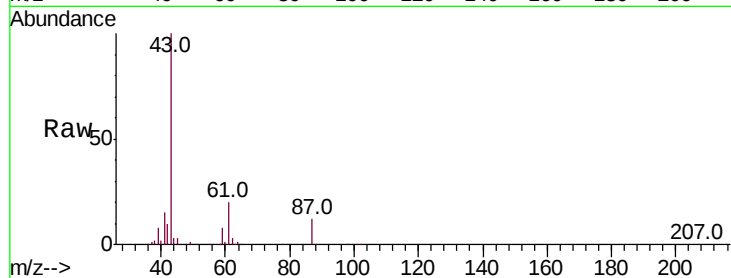
#43
Isopropyl Acetate
Concen: 20.786 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.2	20.2	30.2
87	11.9	9.5	14.3

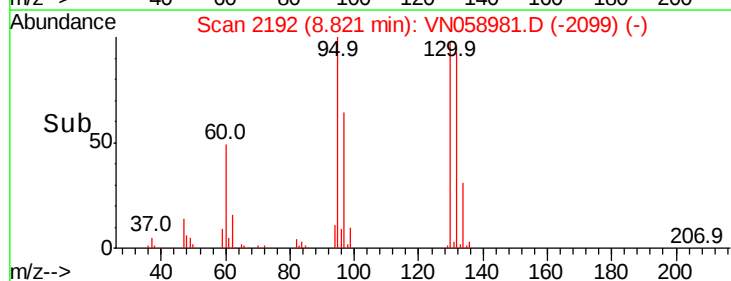
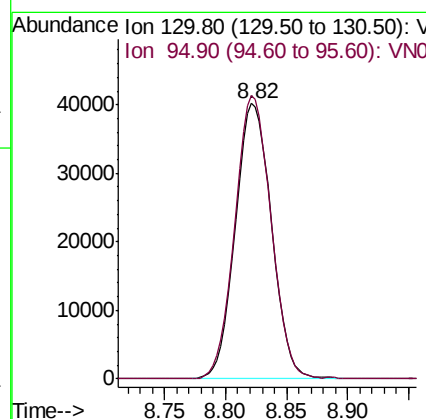
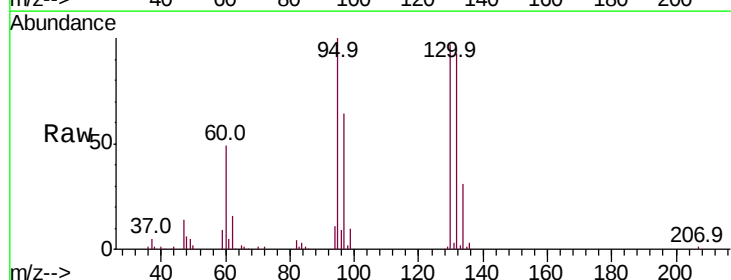
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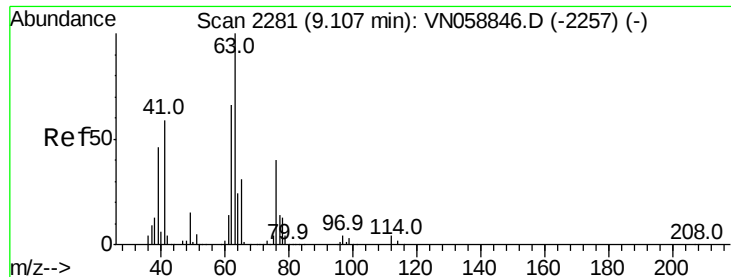
MMDadoda
10/28/2019 9:47:59 AM



#44
Trichloroethene
Concen: 20.691 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	209.6





#45

1,2-Dichloropropane

Concen: 20.960 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 63 Resp: 94366

Ion Ratio Lower Upper

63 100

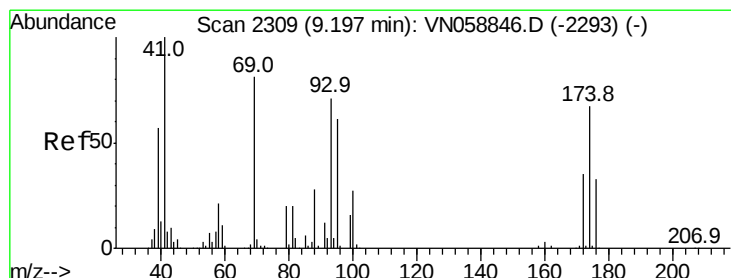
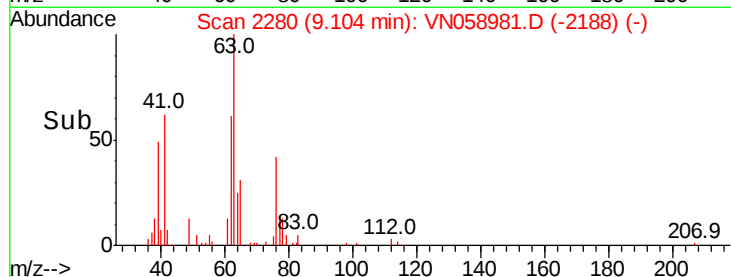
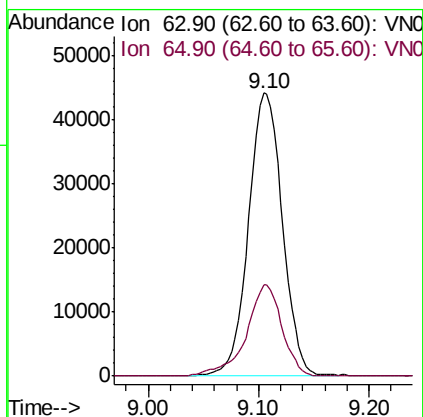
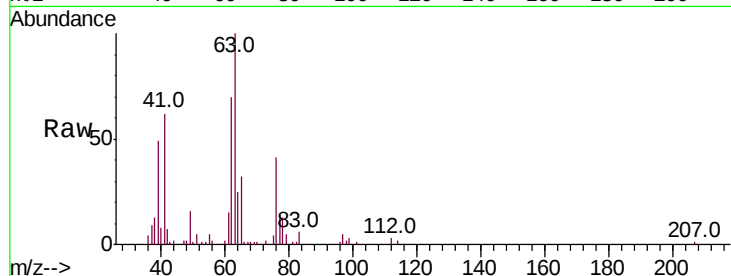
65 32.2 24.5 36.7

Manual Integrations

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10/28/2019 9:47:59 AM



#46

Dibromomethane

Concen: 20.847 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

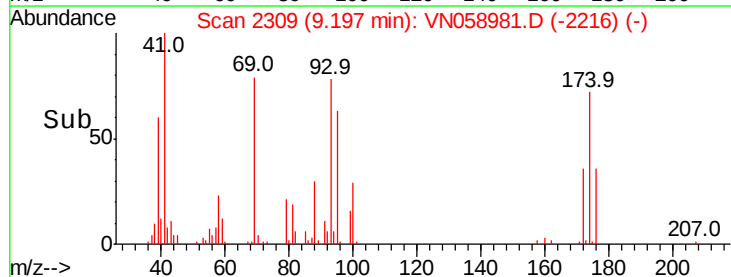
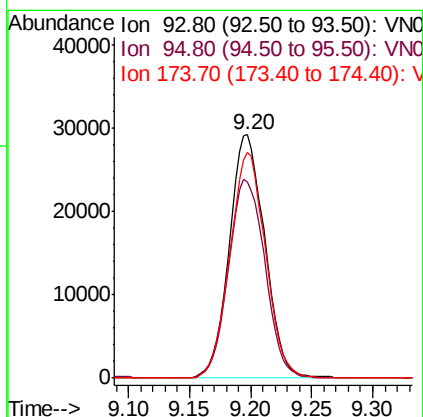
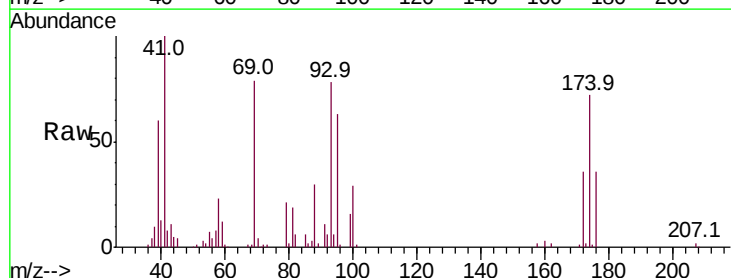
Tgt Ion: 93 Resp: 59335

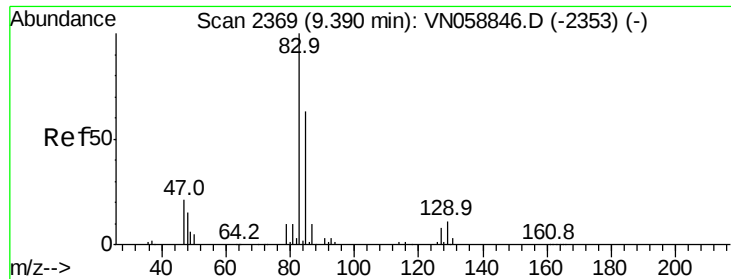
Ion Ratio Lower Upper

93 100

95 83.5 67.6 101.4

174 92.9 74.1 111.1





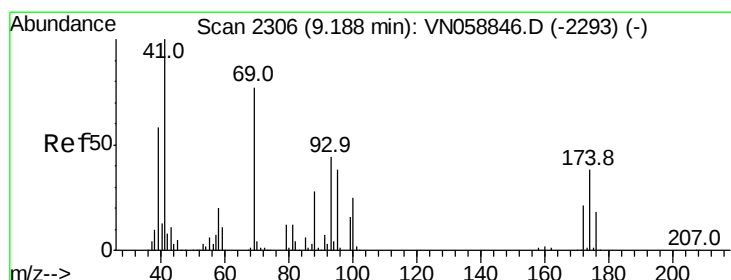
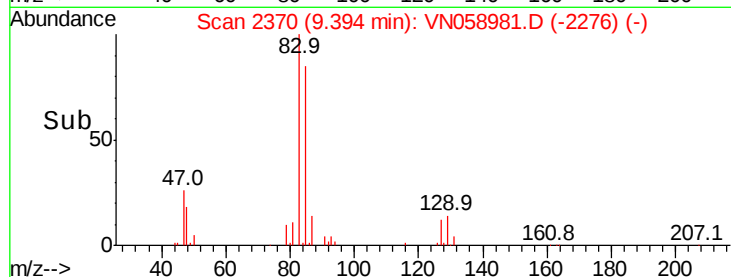
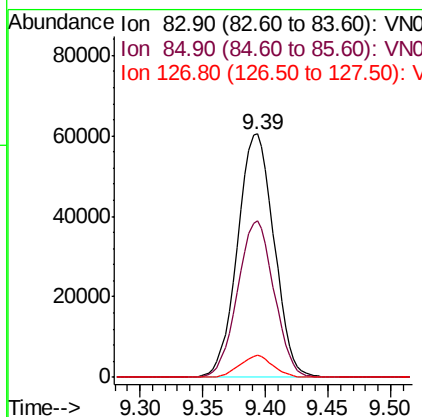
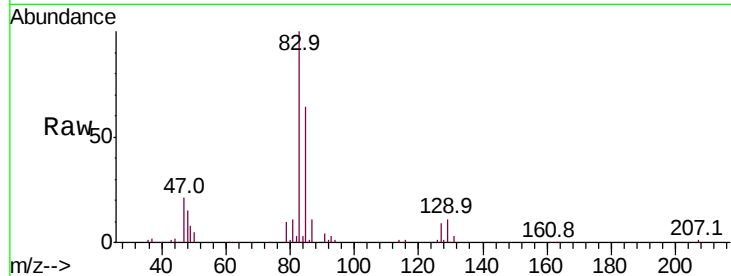
#47
Bromodichloromethane
Concen: 20.853 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	122323		
85	64.4	50.6	75.8	
127	9.1	6.5	9.7	

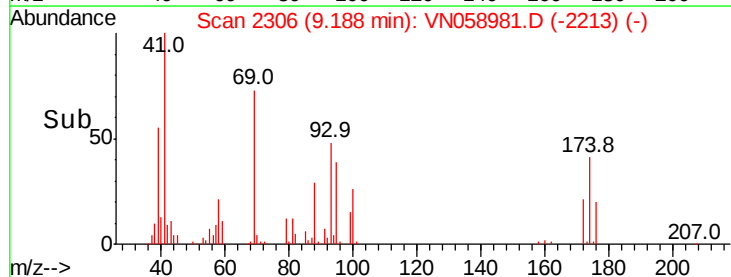
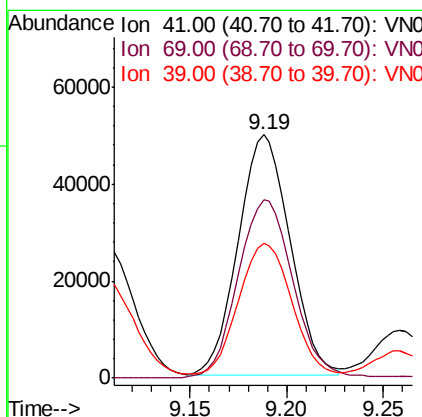
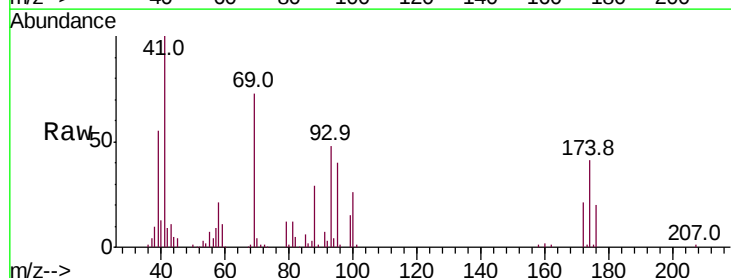
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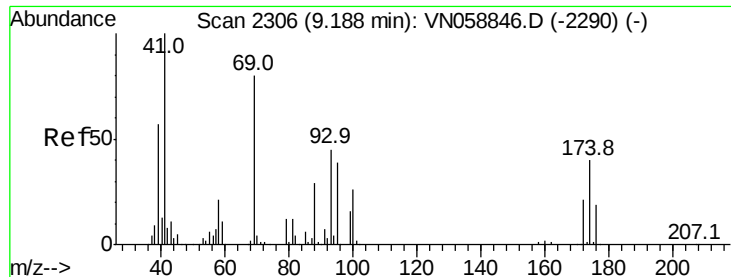
MMDadoda
10/28/2019 9:47:59 AM



#48
Methyl methacrylate
Concen: 20.829 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	92335		
69	78.9	63.8	95.6	
39	58.3	47.8	71.8	





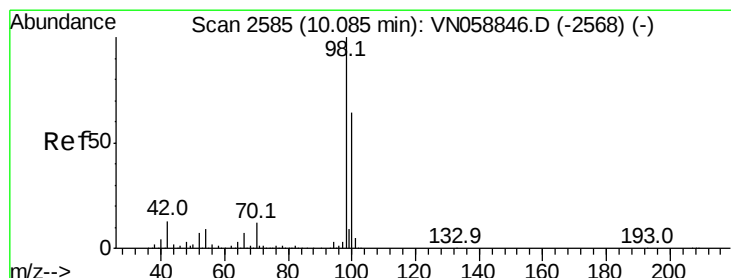
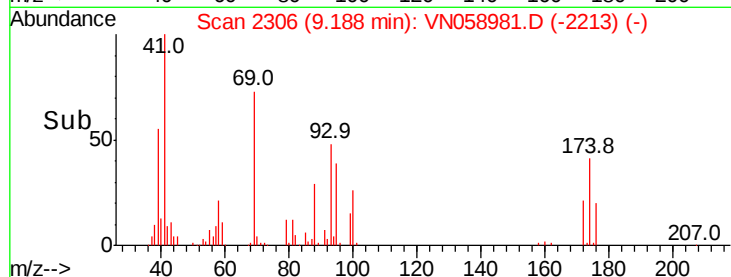
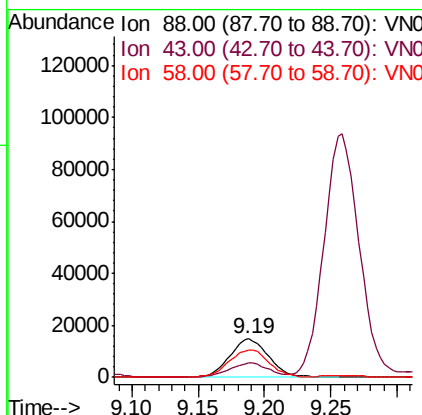
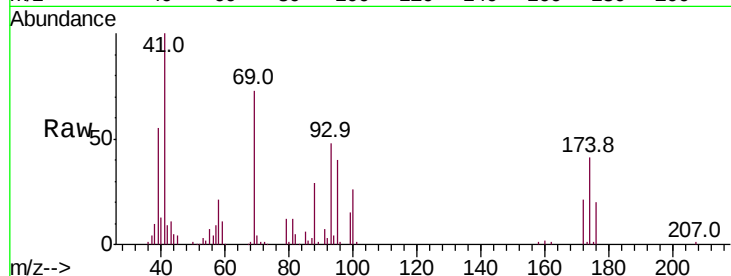
#49
1,4-Dioxane
Concen: 417.809 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	29.1	43.7
58	73.8	59.4	89.0

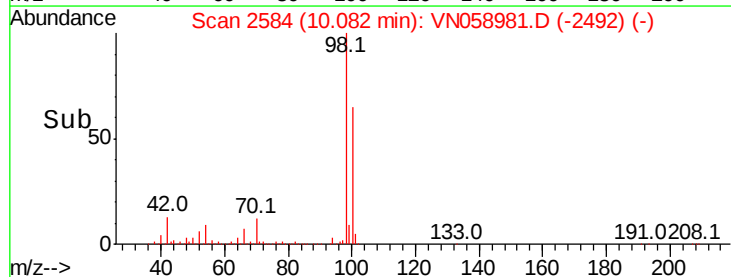
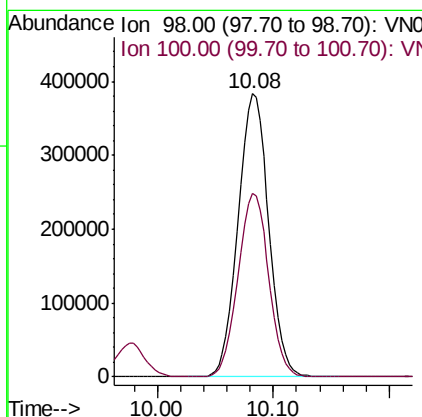
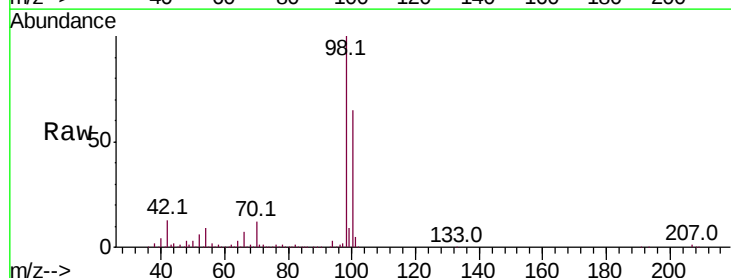
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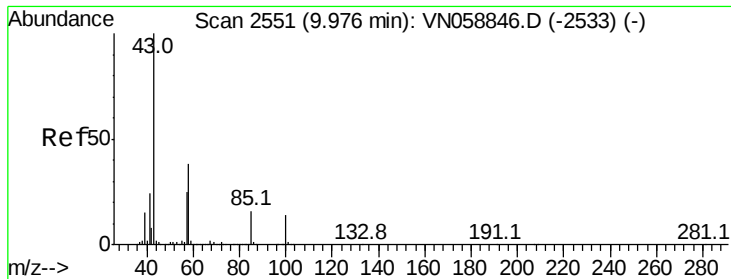
MMDadoda
10/28/2019 9:47:59 AM



#50
Toluene-d8
Concen: 50.238 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 114.116 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 43 Resp: 651252

Ion Ratio Lower Upper

43 100

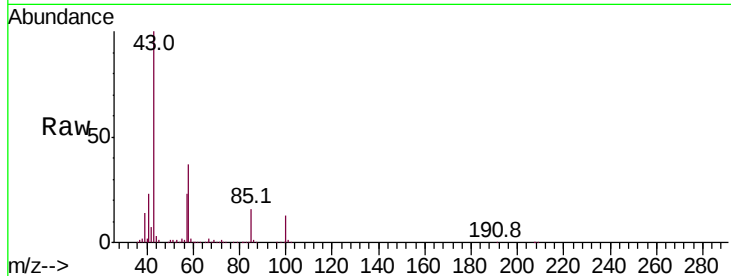
58 37.5 29.9 44.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

9.98

400000

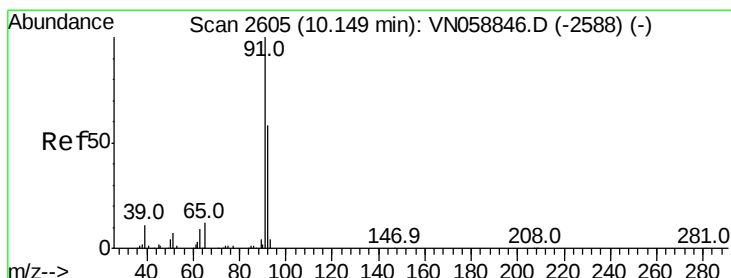
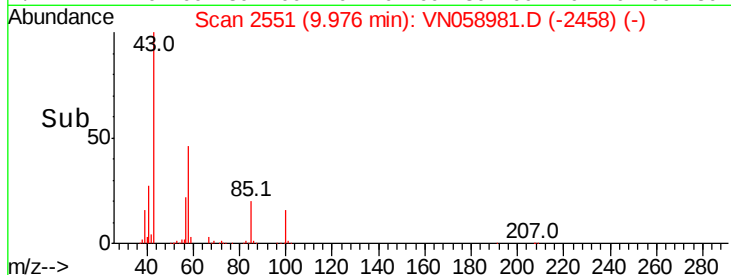
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.740 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058981.D

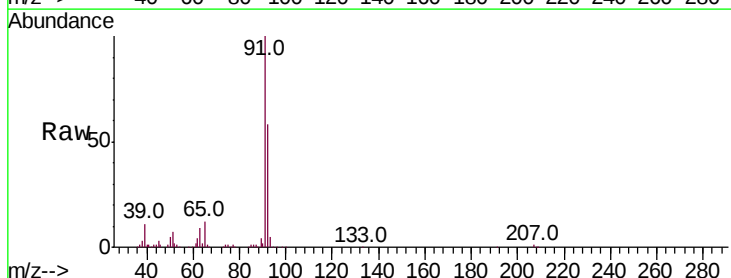
Acq: 25 Oct 2019 12:54

Tgt Ion: 92 Resp: 211663

Ion Ratio Lower Upper

92 100

91 175.2 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)

10.15

200000

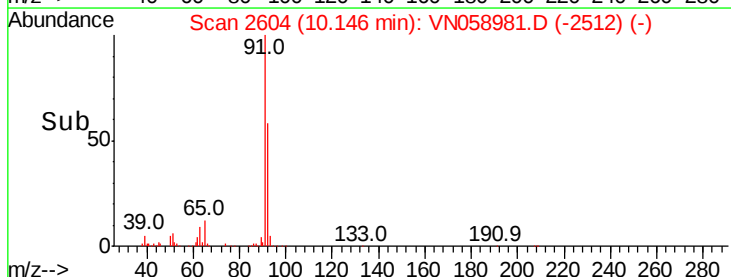
150000

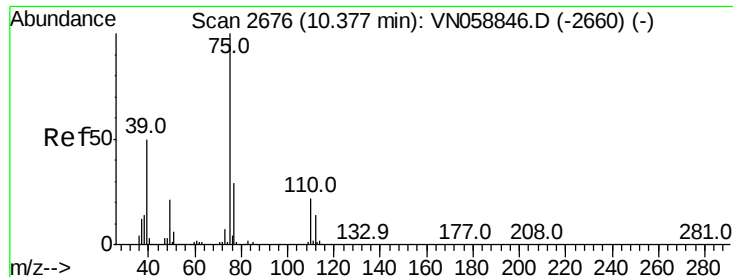
100000

50000

0

Time-->





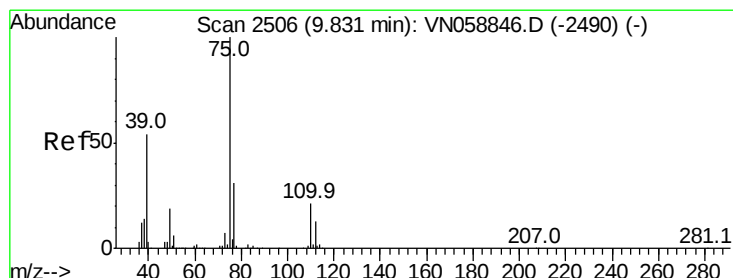
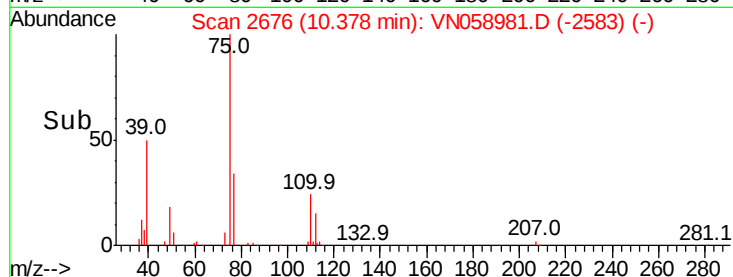
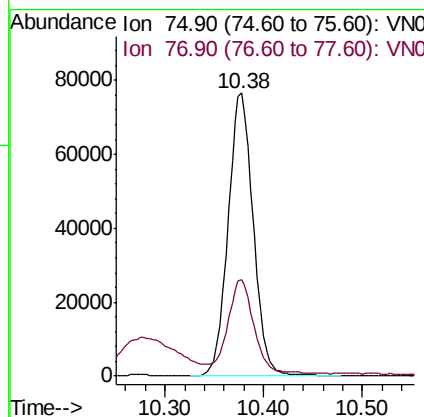
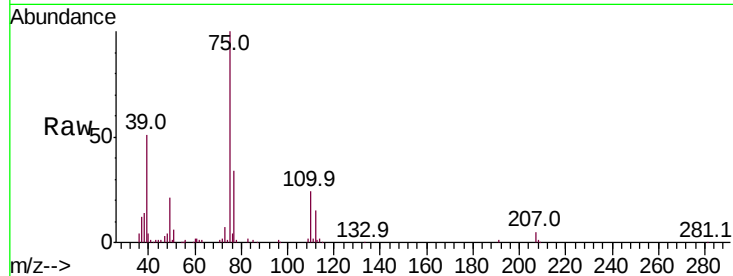
#53
 t-1,3-Dichloropropene
 Concen: 21.084 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN058981.D
 Acq: 25 Oct 2019 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

Tot Ion: 75 Resp: 136915
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.7 38.5

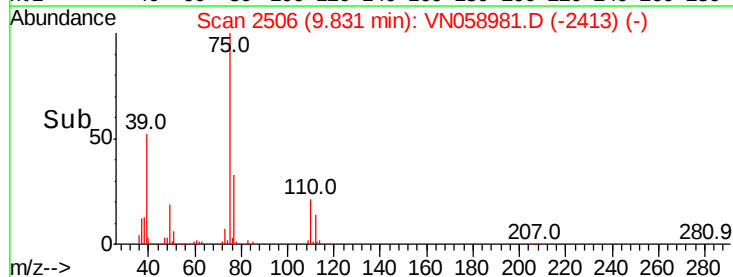
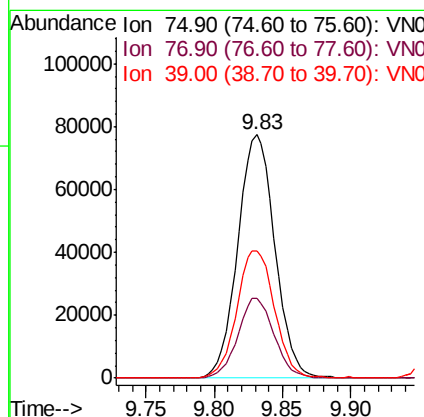
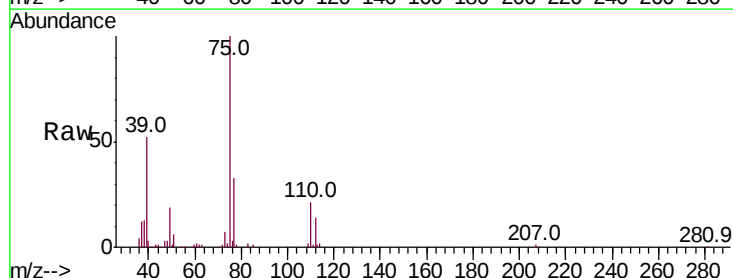
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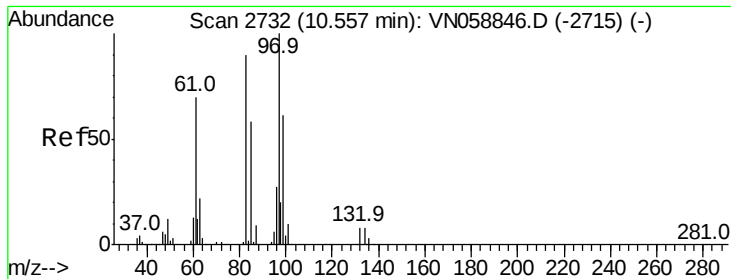
MMDadoda
 10/28/2019 9:47:59 AM



#54
 cis-1,3-Dichloropropene
 Concen: 21.047 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN058981.D
 Acq: 25 Oct 2019 12:54

Tgt Ion: 75 Resp: 146024
 Ion Ratio Lower Upper
 75 100
 77 33.0 24.7 37.1
 39 52.3 43.5 65.3





#55

1,1,2-Trichloroethane

Concen: 21.546 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 97 Resp: 86421

Ion Ratio Lower Upper

97 100

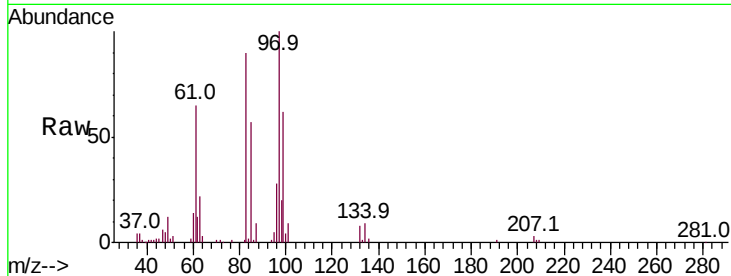
83 90.1 72.2 108.4

85 56.8 46.2 69.2

99 61.5 48.7 73.1

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10/28/2019 9:47:59 AM

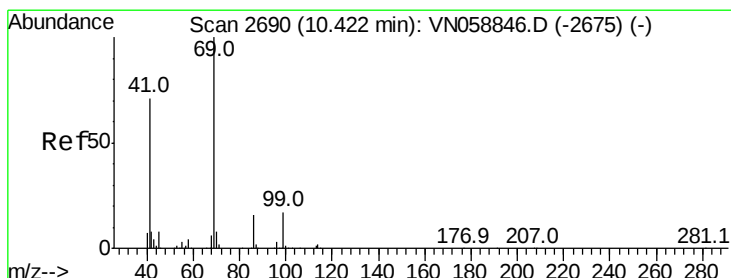
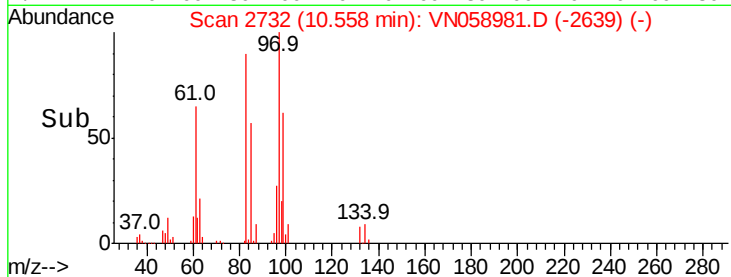
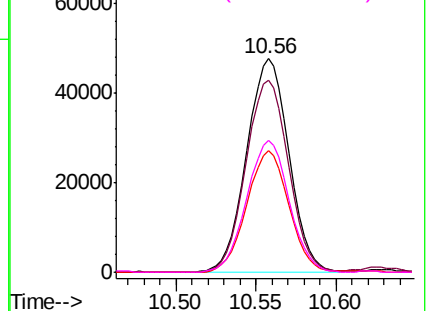


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.104 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

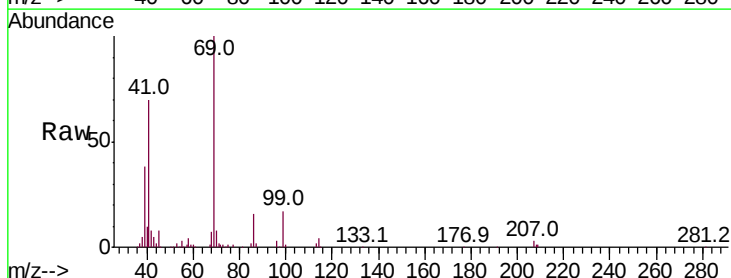
Tgt Ion: 69 Resp: 126628

Ion Ratio Lower Upper

69 100

41 69.1 57.2 85.8

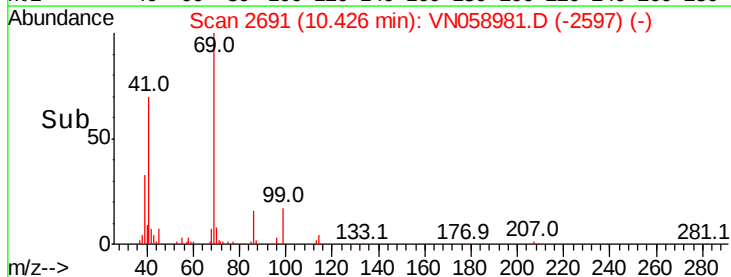
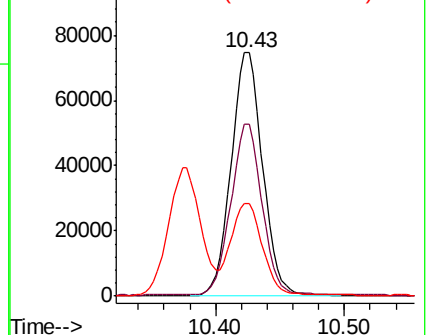
39 39.2 31.0 46.4

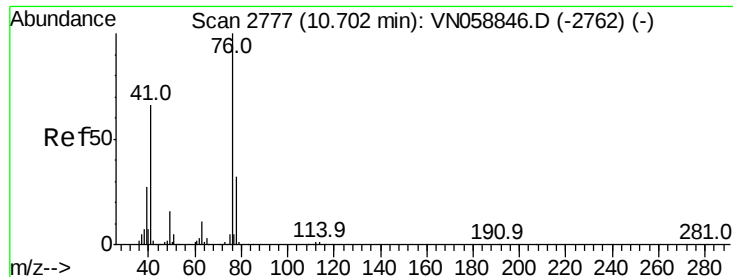


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.291 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 76 Resp: 149877

Ion Ratio Lower Upper

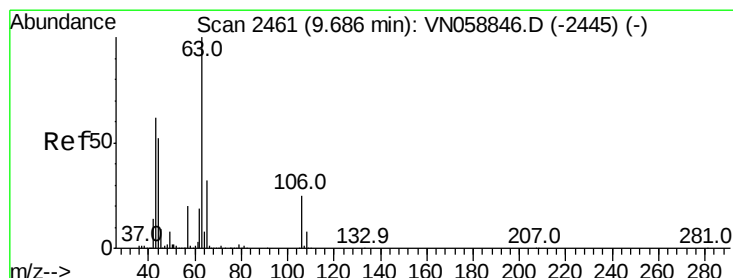
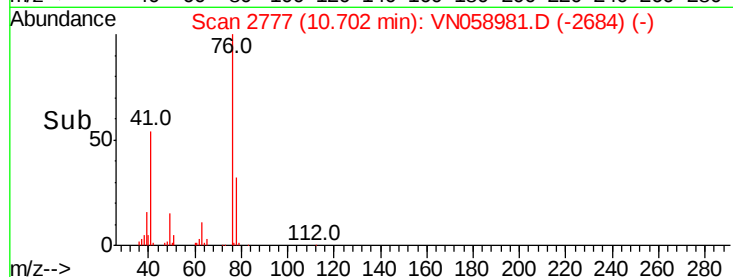
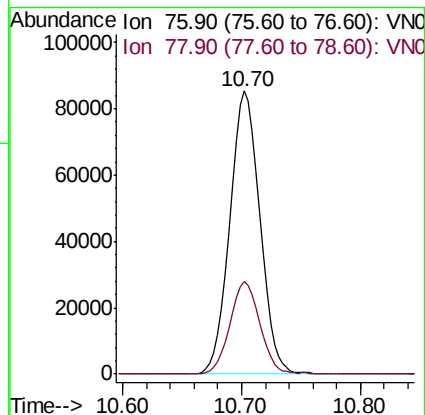
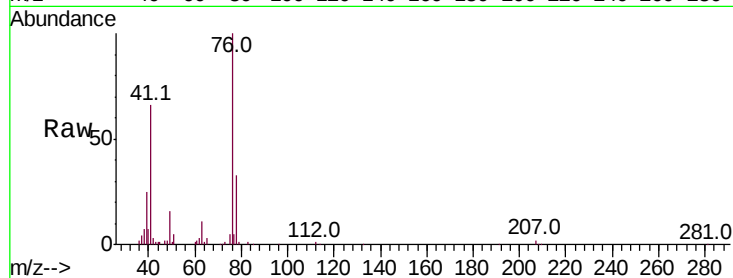
76 100

78 32.8 25.4 38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 95.508 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058981.D

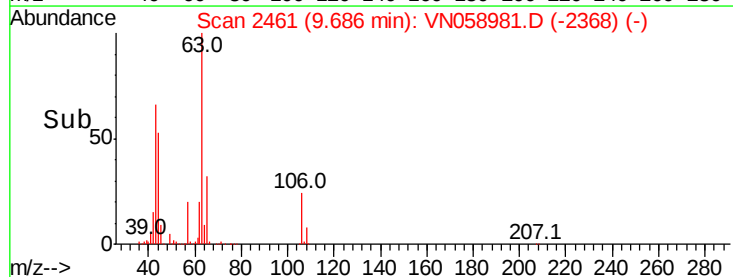
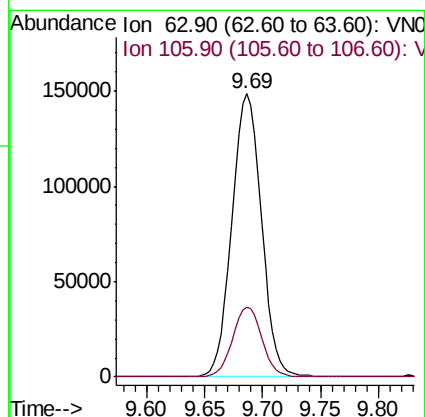
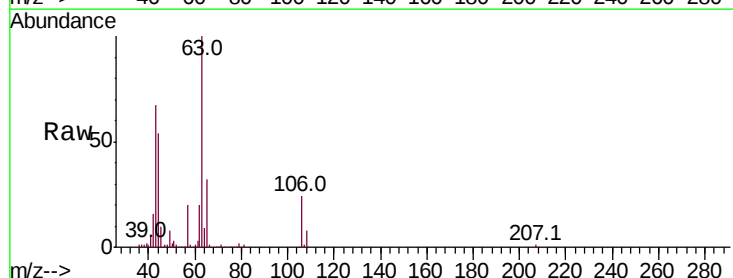
Acq: 25 Oct 2019 12:54

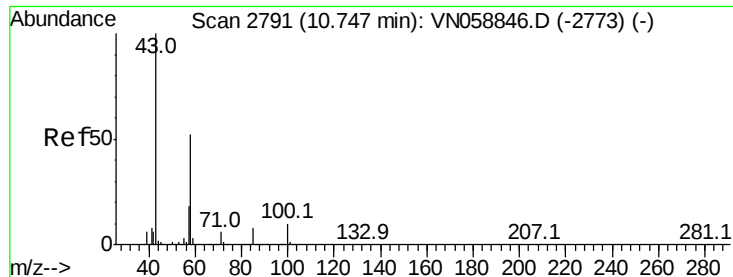
Tgt Ion: 63 Resp: 261537

Ion Ratio Lower Upper

63 100

106 24.4 19.8 29.8





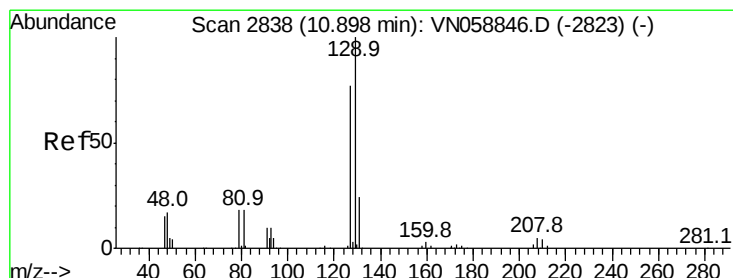
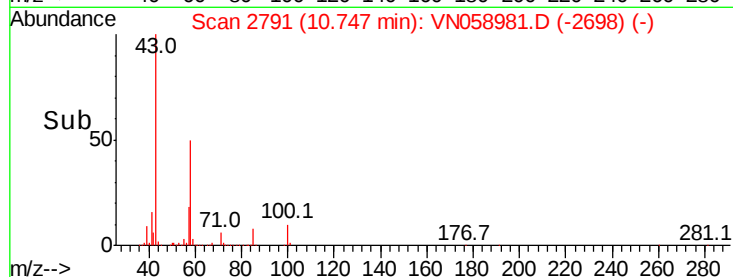
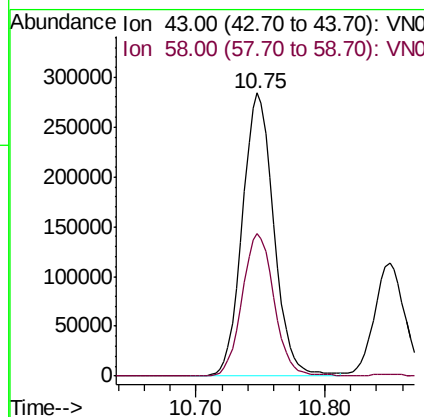
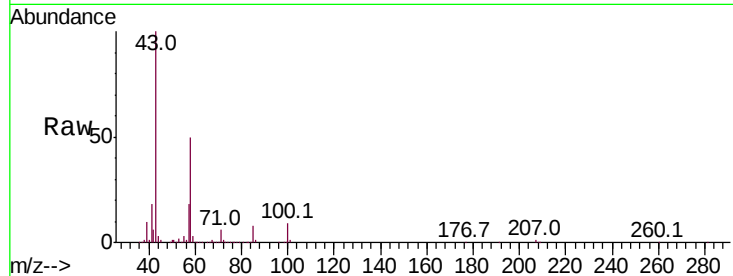
#59
2-Hexanone
Concen: 108.635 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion: 43 Resp: 479073
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.7

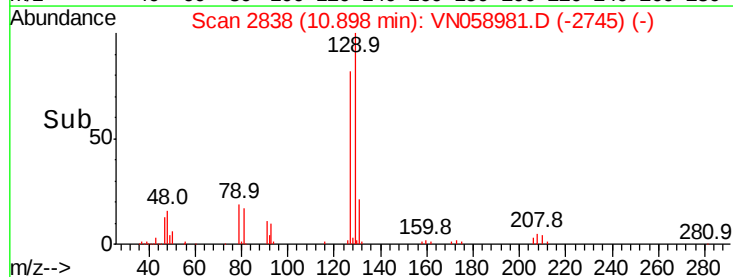
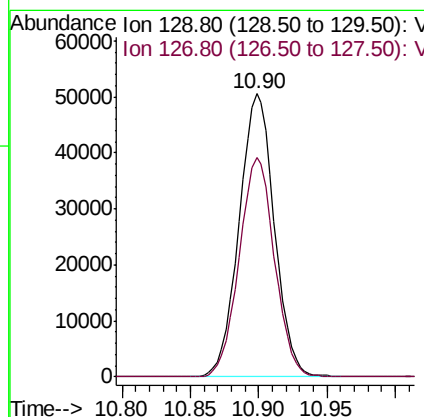
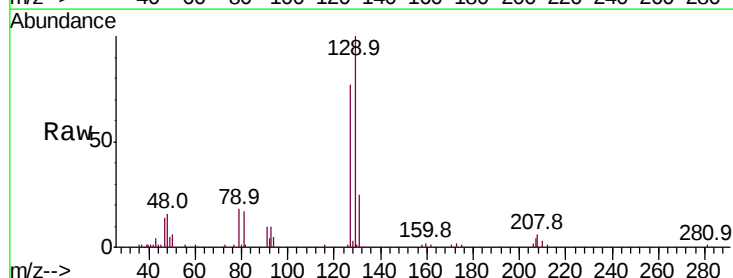
Manual Integrations
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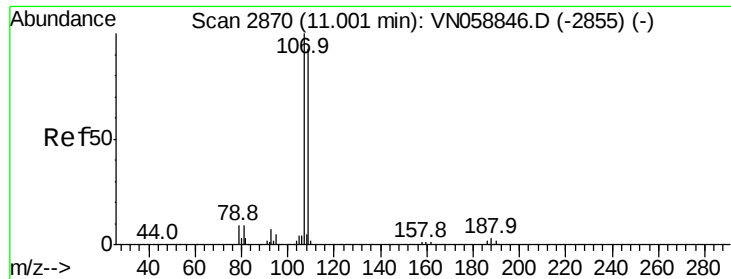
MMDadoda
10/28/2019 9:47:59 AM



#60
Dibromochloromethane
Concen: 20.939 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Tgt Ion: 129 Resp: 90399
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.3





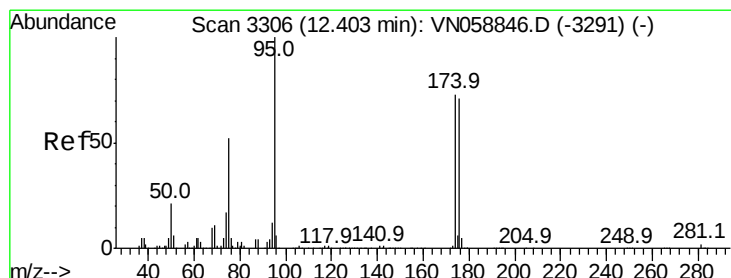
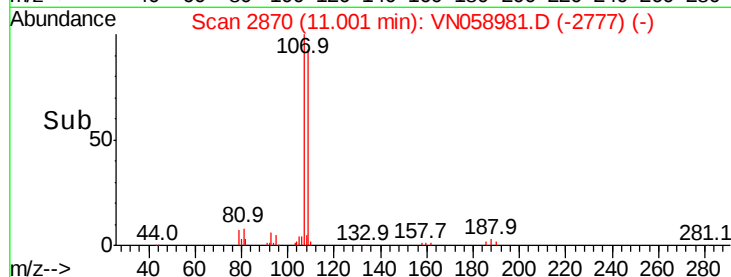
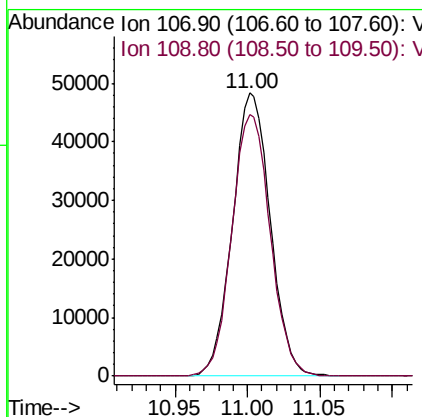
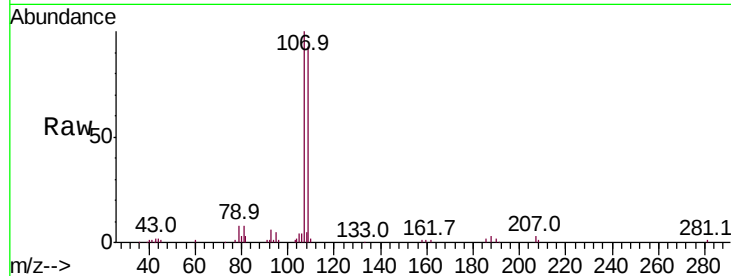
#61
 1,2-Dibromoethane
 Concen: 21.303 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058981.D
 Acq: 25 Oct 2019 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

Tot Ion:107 Resp: 87444
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.2 112.8

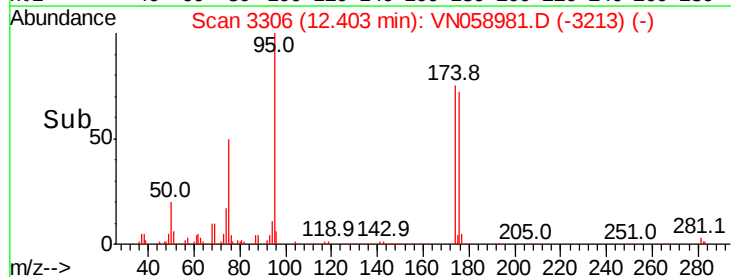
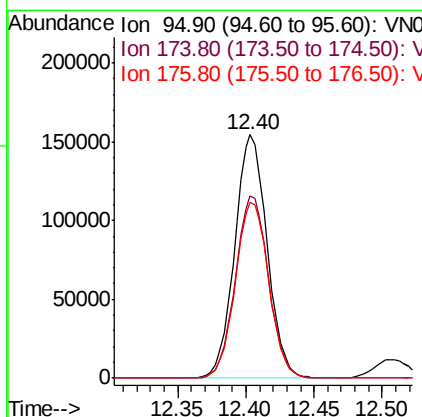
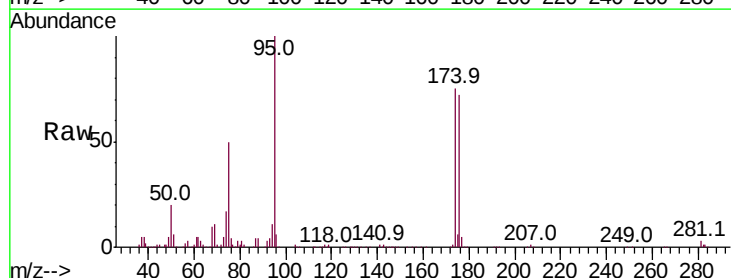
Manual Integrations
 APPROVED

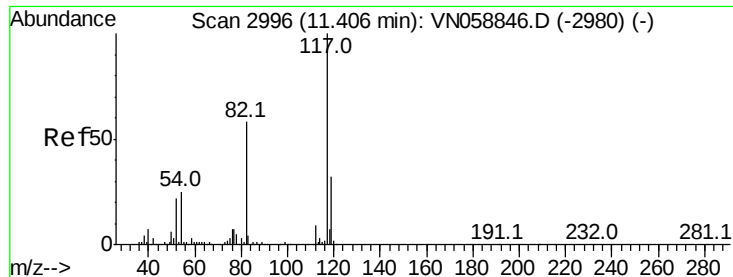
MMDadoda
 10/28/2019 9:47:59 AM



#62
 4-Bromofluorobenzene
 Concen: 49.583 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058981.D
 Acq: 25 Oct 2019 12:54

Tgt Ion: 95 Resp: 253790
 Ion Ratio Lower Upper
 95 100
 174 76.6 0.0 147.6
 176 74.5 0.0 143.2





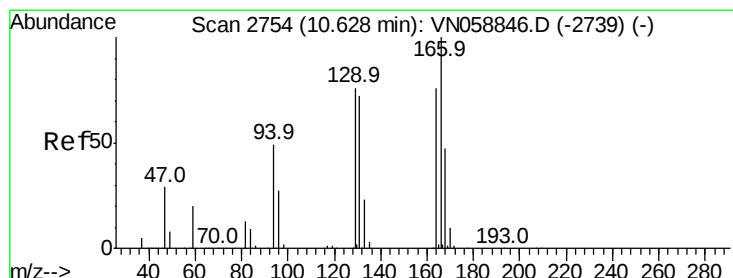
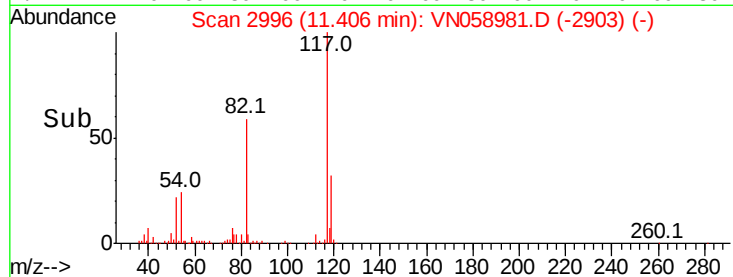
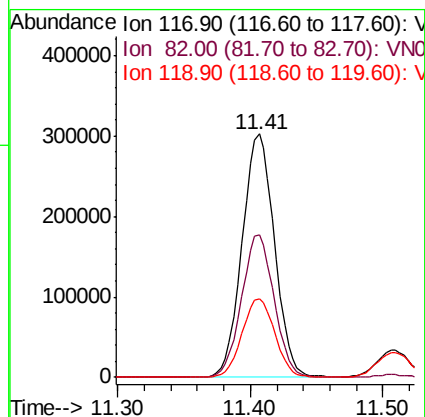
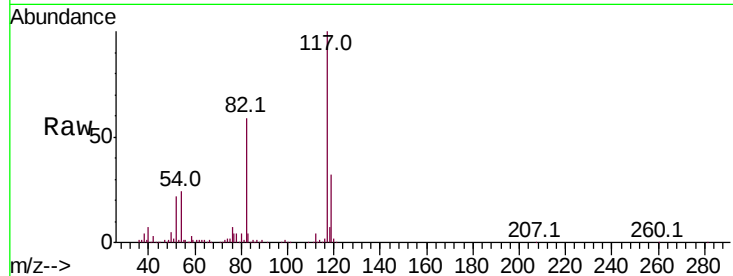
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	515107		
82	58.5	46.6	69.8	
119	32.4	25.6	38.4	

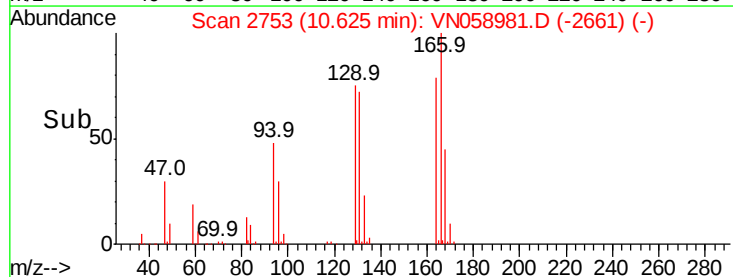
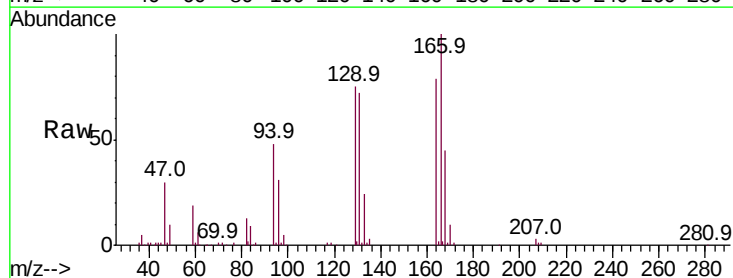
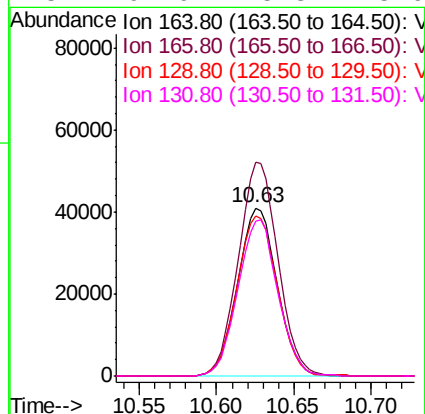
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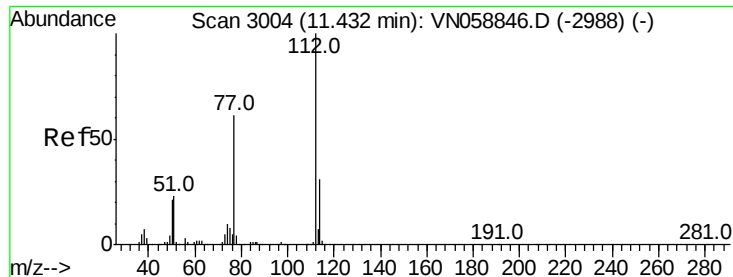
MMDadoda
10/28/2019 9:47:59 AM



#64
Tetrachloroethene
Concen: 20.149 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	72686		
166	127.1	104.8	157.2	
129	95.0	79.3	118.9	
131	91.9	75.8	113.6	





#65

Chlorobenzene

Concen: 21.158 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion:112 Resp: 221882

Ion Ratio Lower Upper

112 100

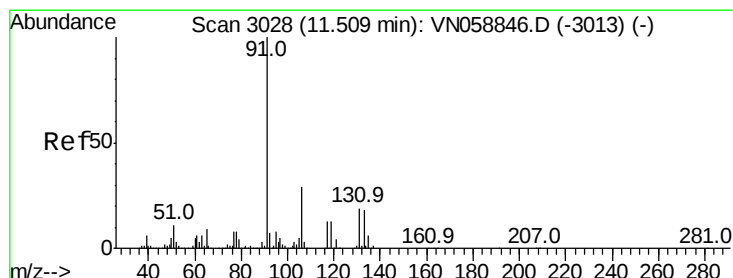
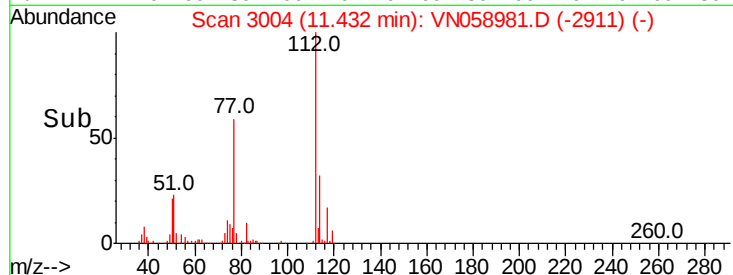
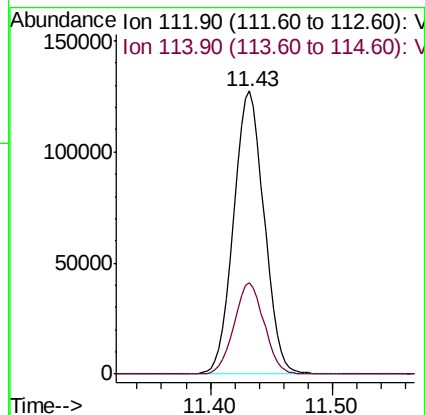
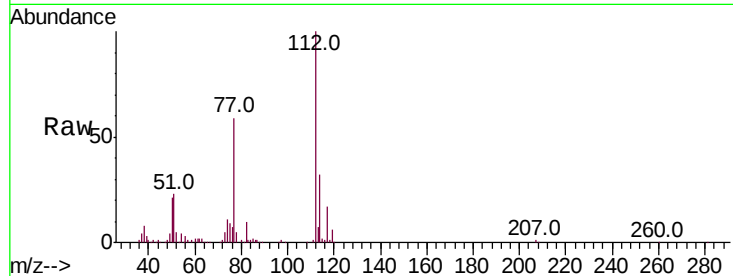
114 32.4 25.1 37.7

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.134 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

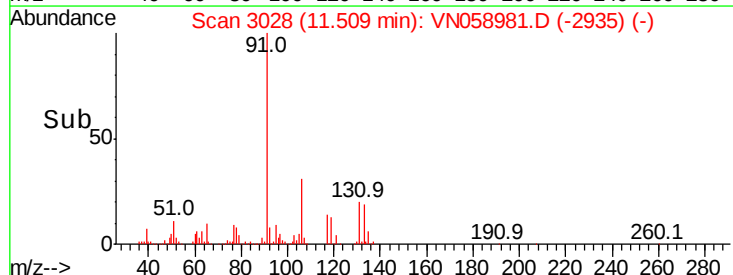
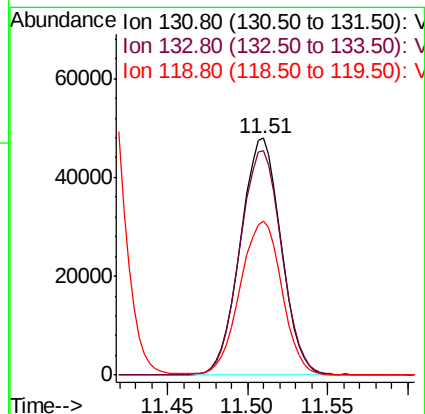
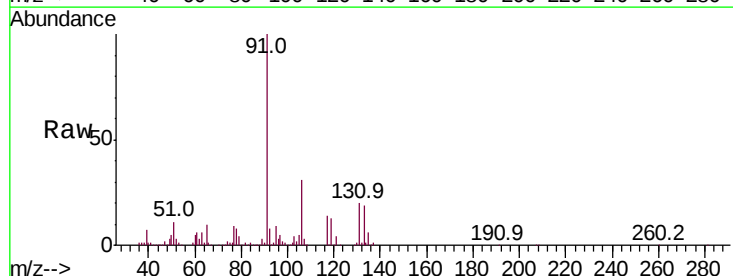
Tgt Ion:131 Resp: 83635

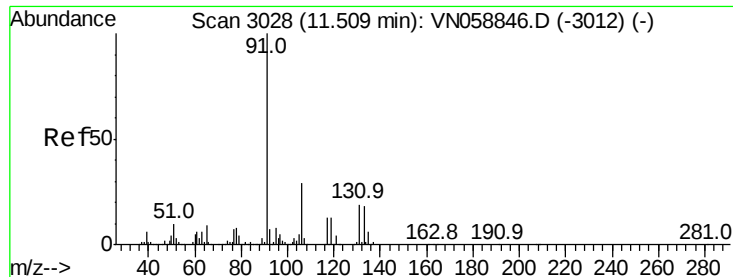
Ion Ratio Lower Upper

131 100

133 97.5 48.4 145.2

119 66.5 33.6 100.8





#67

Ethyl Benzene

Concen: 21.538 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 91 Resp: 396216

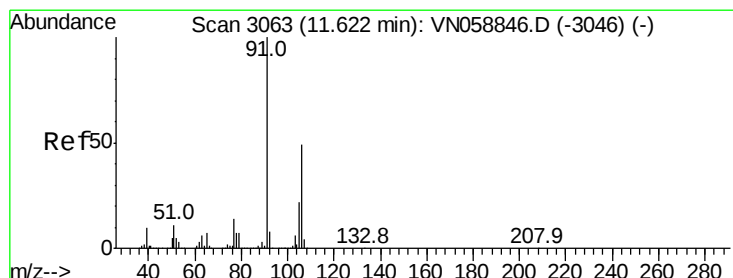
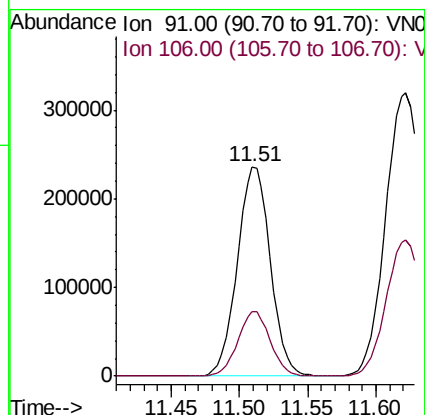
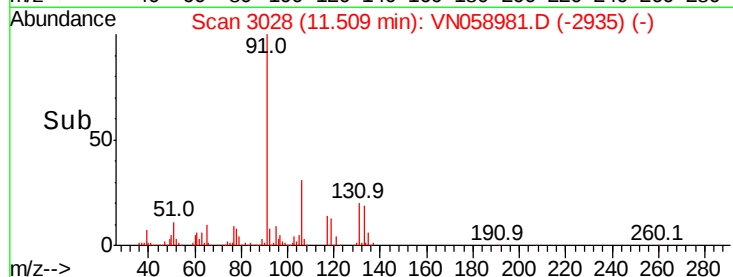
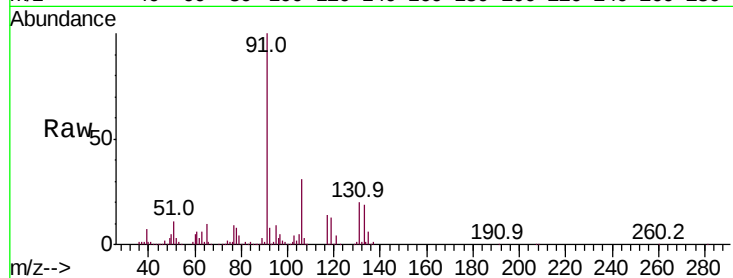
Ion Ratio Lower Upper

91 100

106 30.9 23.4 35.0

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#68

m/p-Xylenes

Concen: 42.984 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058981.D

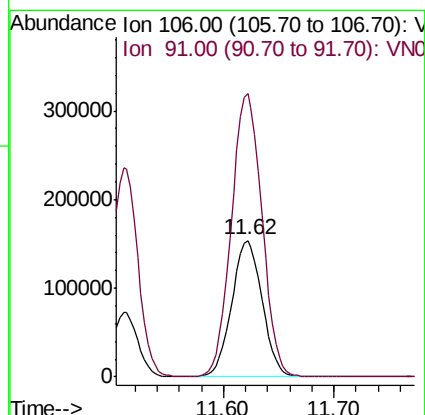
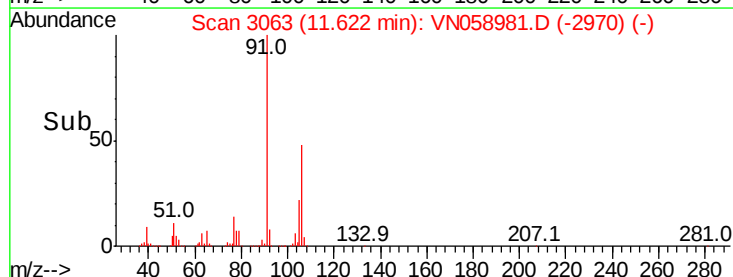
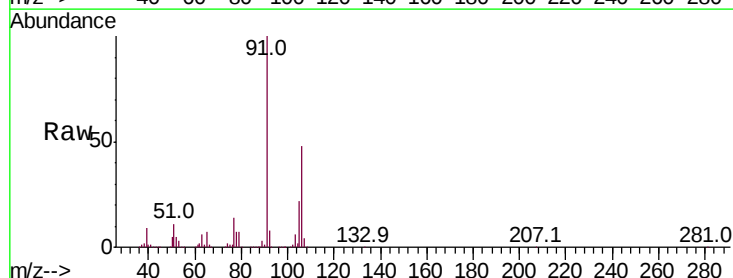
Acq: 25 Oct 2019 12:54

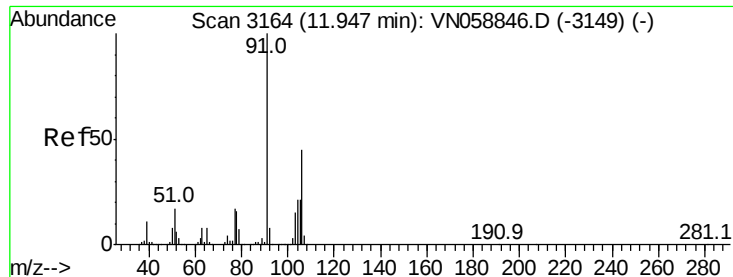
Tgt Ion: 106 Resp: 293250

Ion Ratio Lower Upper

106 100

91 208.9 166.6 249.8





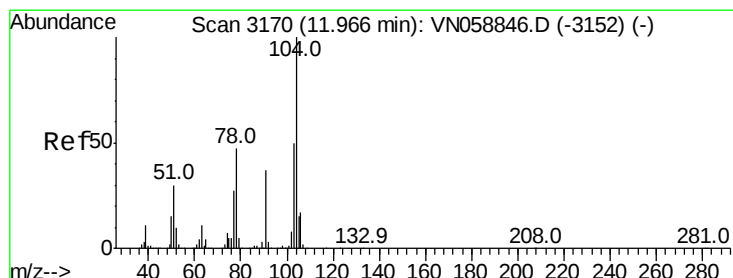
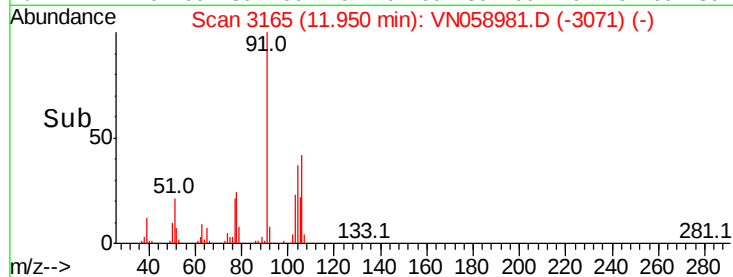
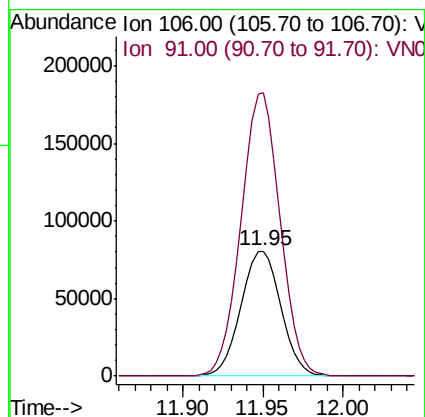
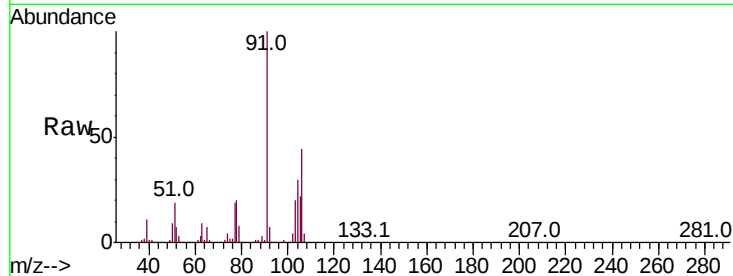
#69
o-Xylene
Concen: 21.126 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.8	111.5	334.4

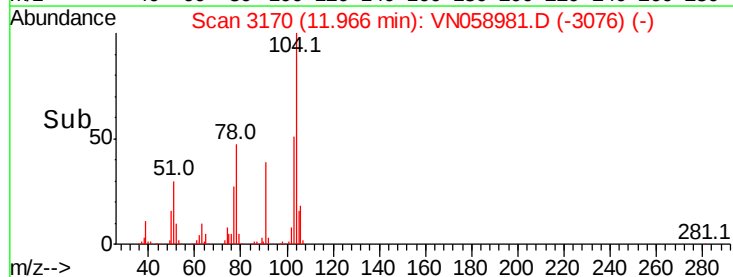
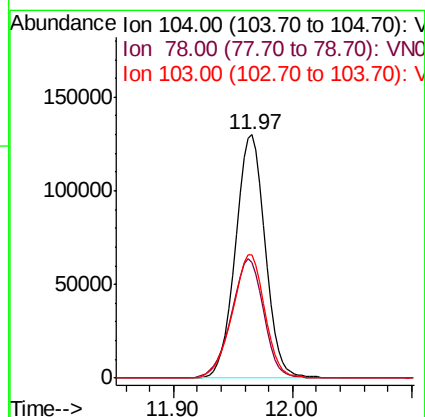
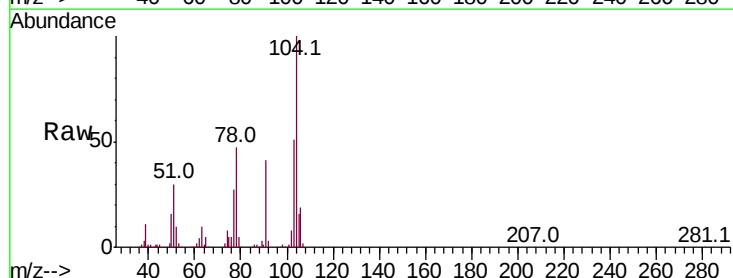
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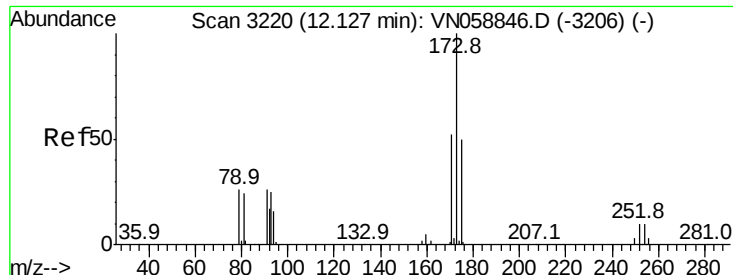
MMDadoda
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#70
Styrene
Concen: 19.833 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.8	64.2
103	55.5	44.3	66.5





#71

Bromoform

Concen: 20.616 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion:173 Resp: 63264

Ion Ratio Lower Upper

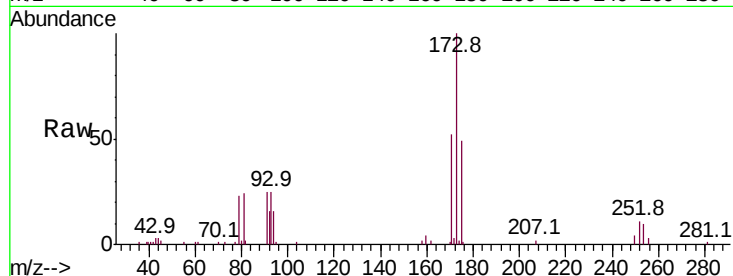
173 100

175 48.8 24.7 74.1

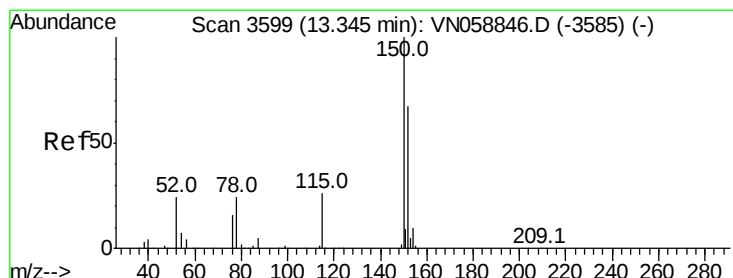
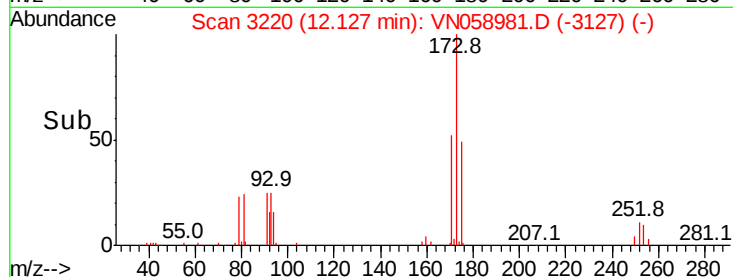
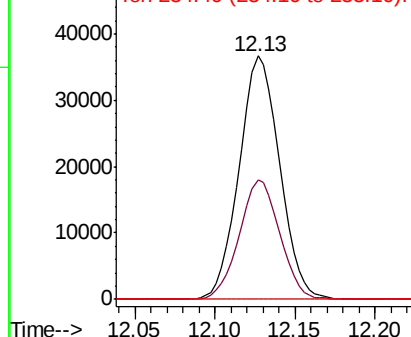
254 0.0 0.0 0.0

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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: VN058981.D

Acq: 25 Oct 2019 12:54

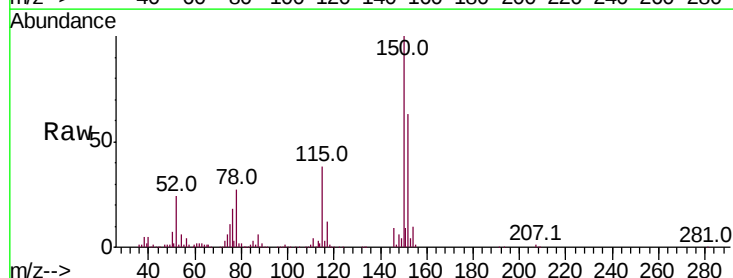
Tgt Ion:152 Resp: 243287

Ion Ratio Lower Upper

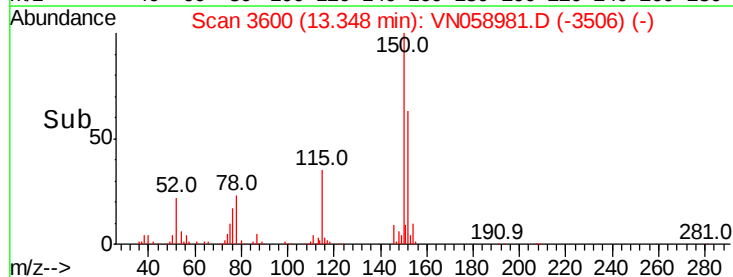
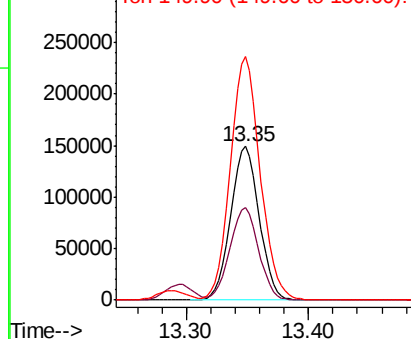
152 100

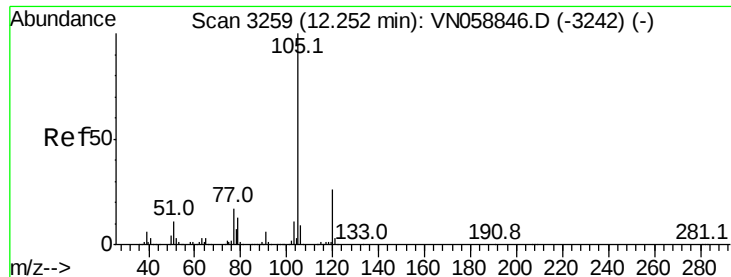
115 60.2 30.5 91.5

150 165.2 0.0 344.4



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: 21.289 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 105 Resp: 378514

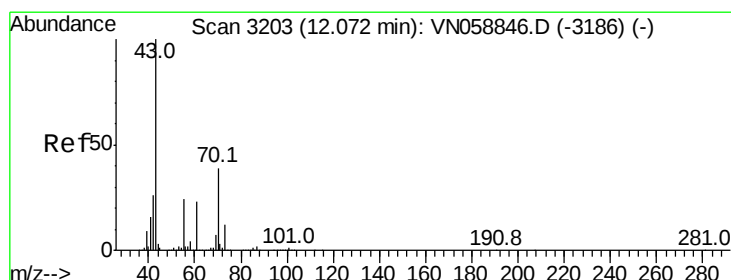
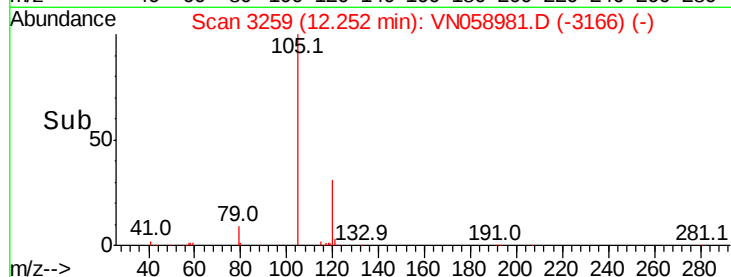
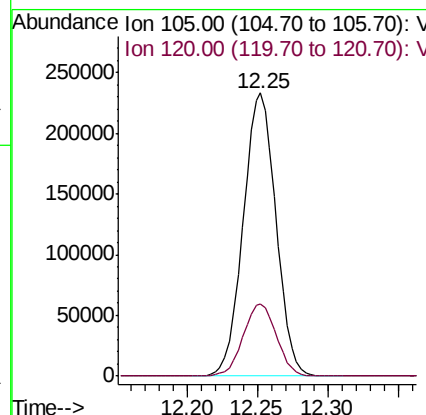
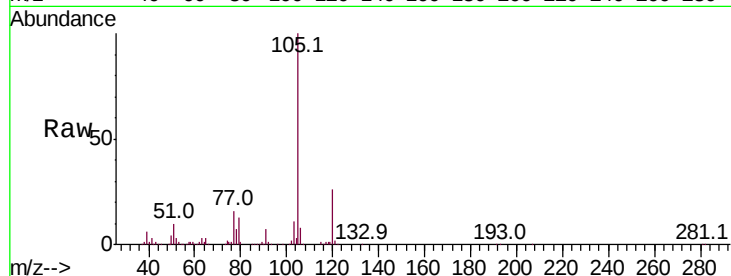
Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 21.020 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Tgt Ion: 43 Resp: 169432

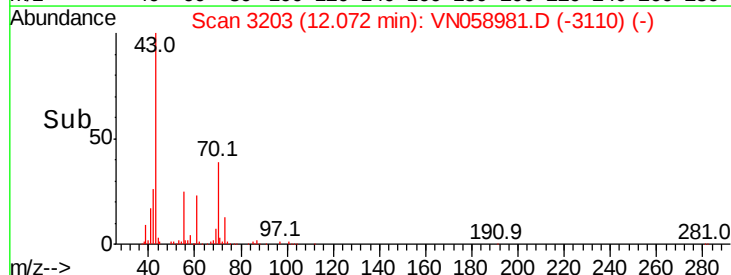
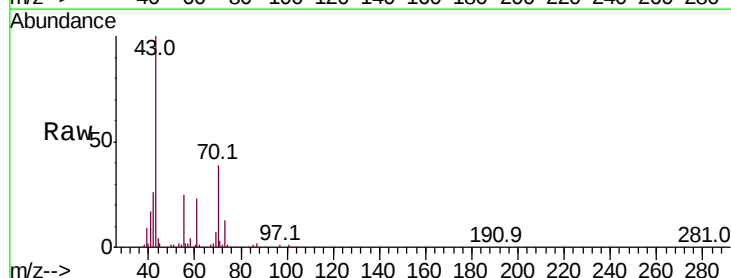
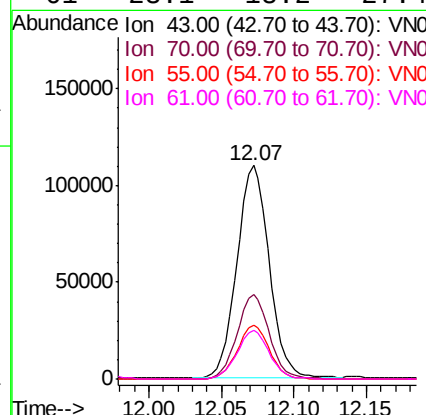
Ion Ratio Lower Upper

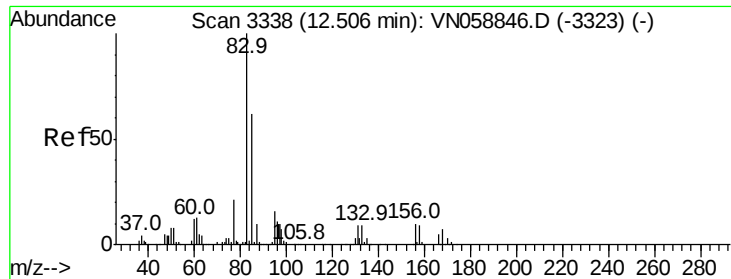
43 100

70 39.6 30.9 46.3

55 25.3 19.7 29.5

61 23.1 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.609 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion: 83 Resp: 135092

Ion Ratio Lower Upper

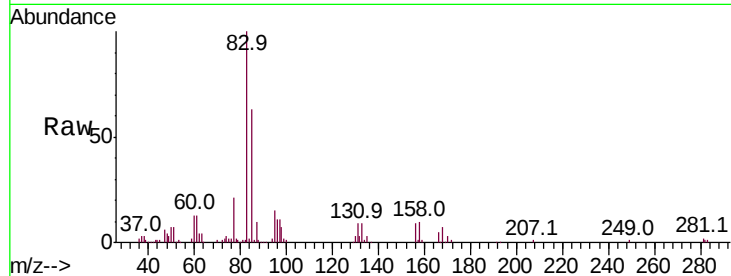
83 100

131 9.6 4.7 14.1

85 63.0 31.7 95.1

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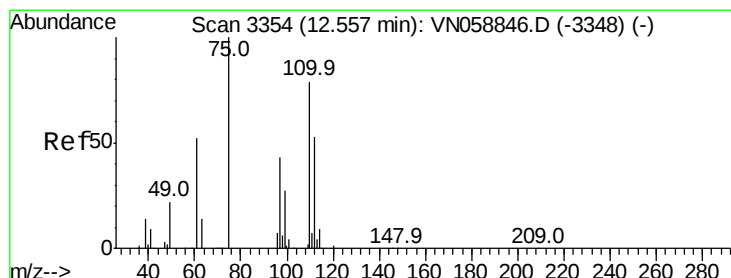
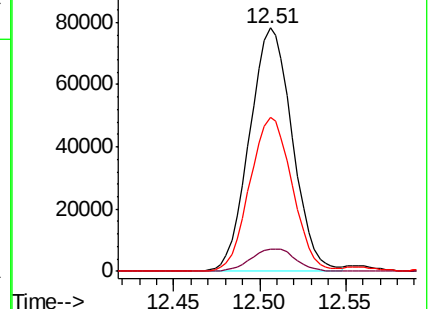
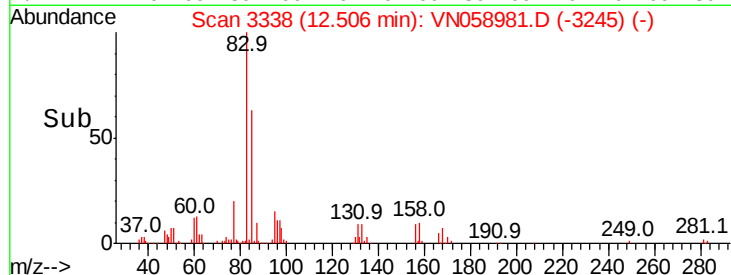


Abundance Ion 82.90 (82.60 to 83.60): VN058846.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN058846.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN058846.D (-3323) (-)

12.51



#76

1,2,3-Trichloropropane

Concen: 20.483 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058981.D

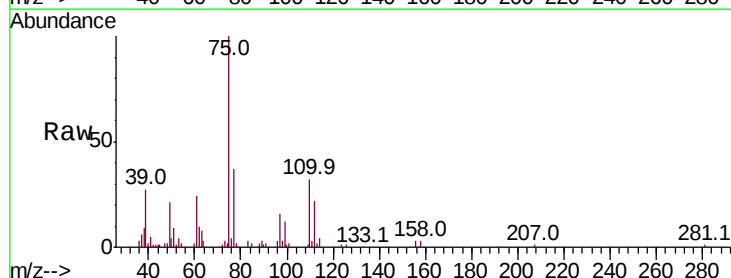
Acq: 25 Oct 2019 12:54

Tgt Ion: 75 Resp: 115493

Ion Ratio Lower Upper

75 100

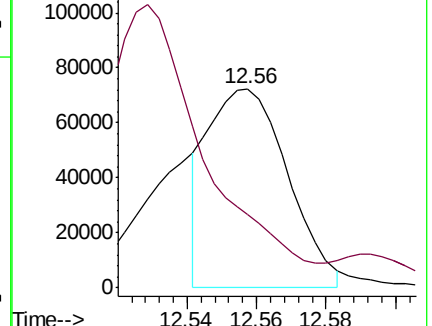
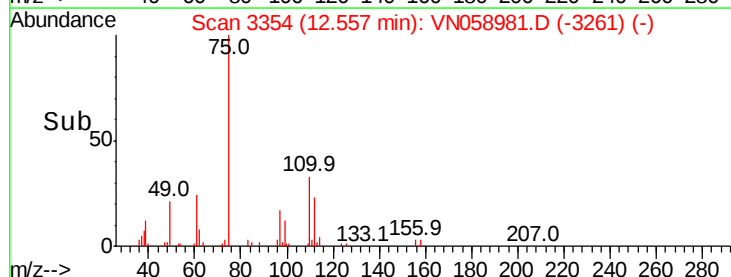
77 0.0 0.0 0.0

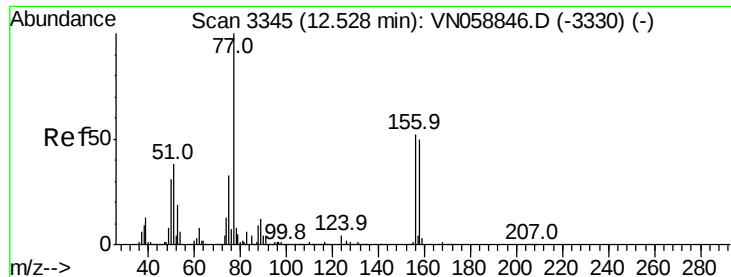


Abundance Ion 74.90 (74.60 to 75.60): VN058846.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN058846.D (-3348) (-)

12.56





#77

Bromobenzene

Concen: 20.882 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

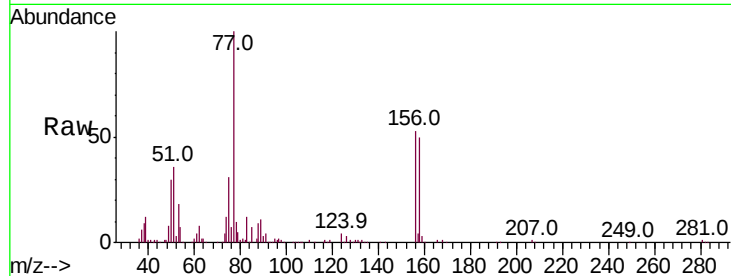
ClientSampleId :

VN1026WBSD01

Tot Ion:	156	Resp:	91515
Ion Ratio	Lower	Upper	
156	100		
77	234.0	118.0	354.0
158	96.8	48.3	144.8

Manual Integrations
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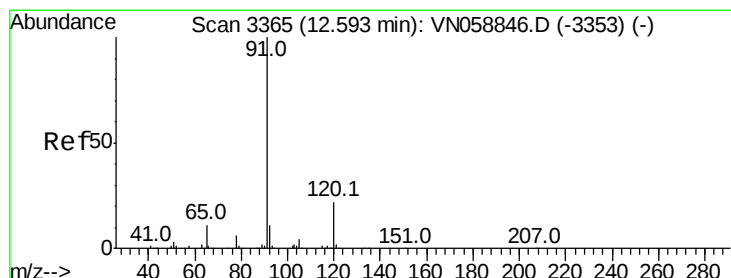
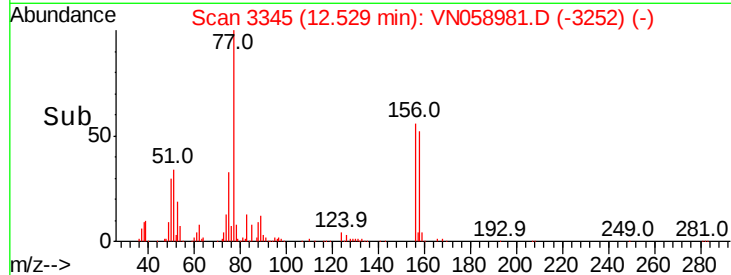
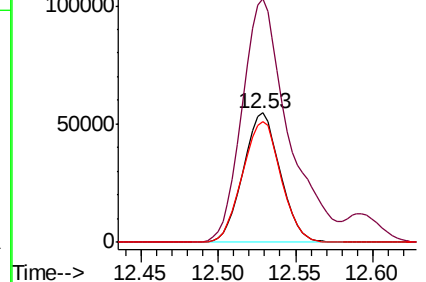
MMDadoda
10/28/2019 9:47:59 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.092 ug/l

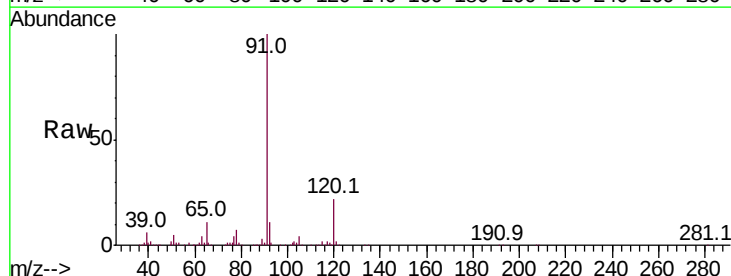
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058981.D

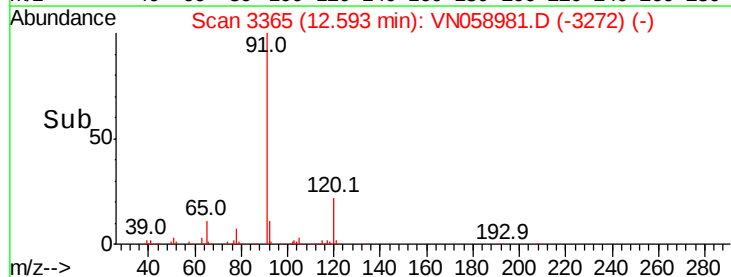
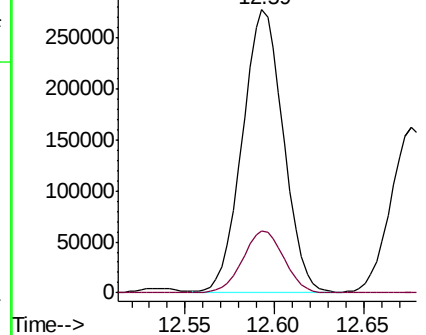
Acq: 25 Oct 2019 12:54

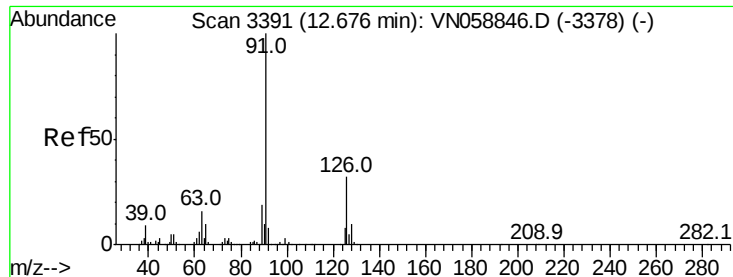
Tgt Ion:	91	Resp:	443278
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





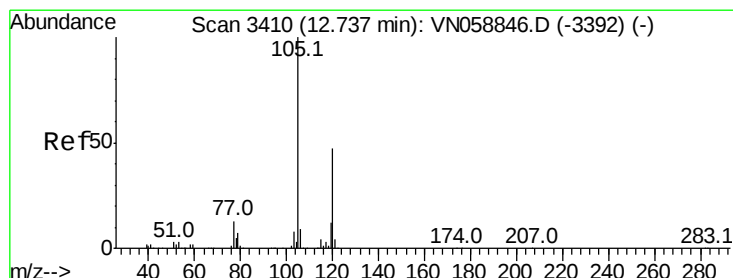
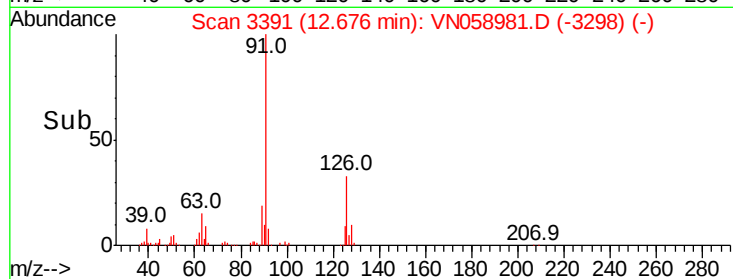
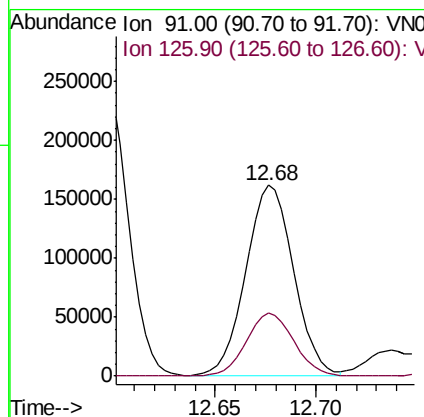
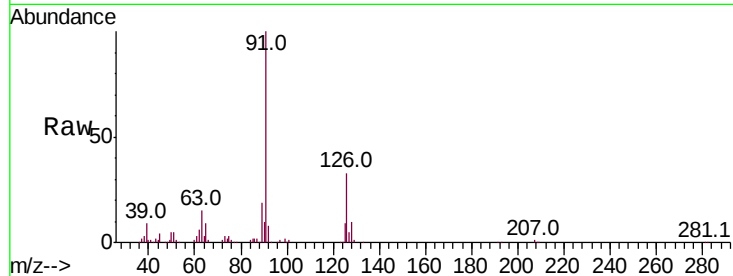
#79
 2-Chlorotoluene
 Concen: 20.772 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058981.D
 Acq: 25 Oct 2019 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.2	48.6

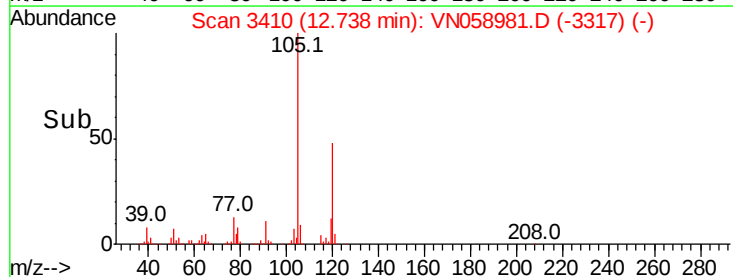
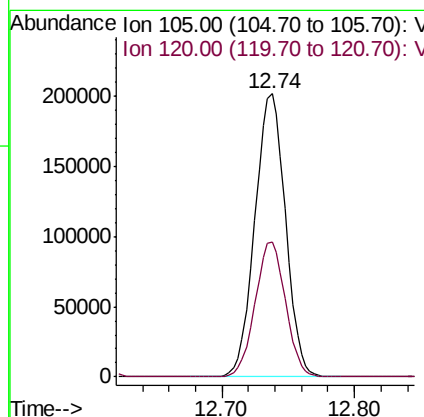
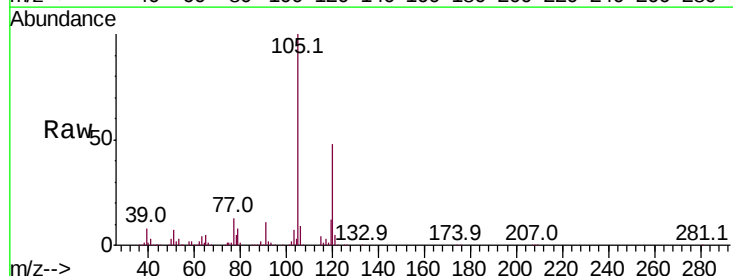
Manual Integrations
 APPROVED

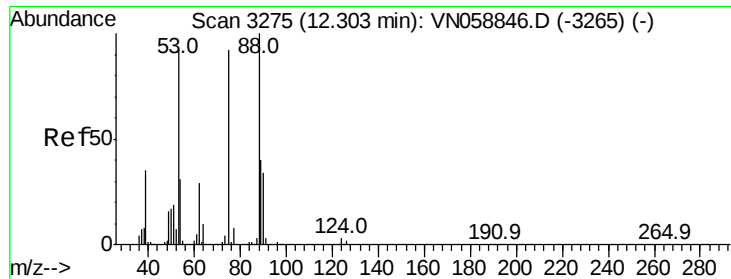
MMDadoda
 10/28/2019 9:47:59 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.632 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058981.D
 Acq: 25 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.8	71.5





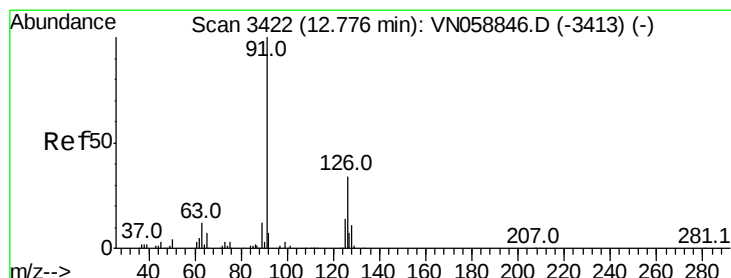
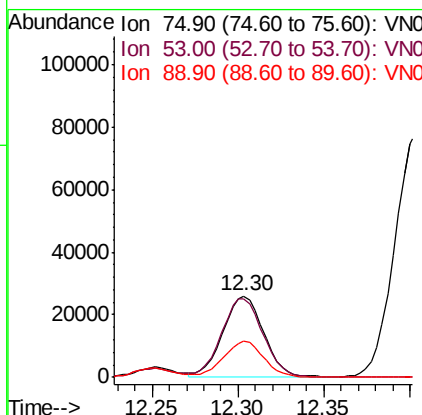
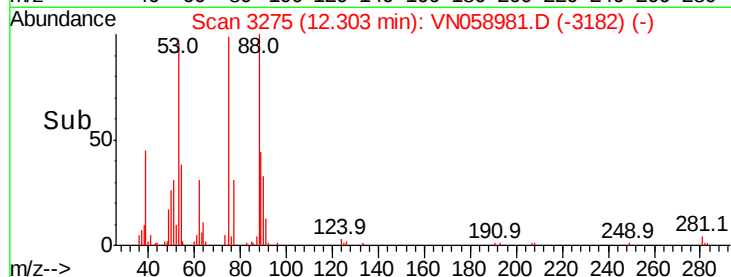
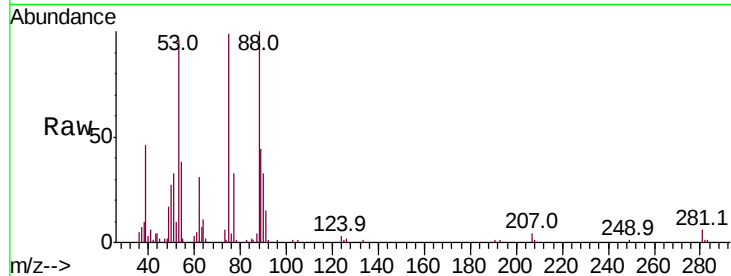
#81
trans-1,4-Dichloro-2-butene
Concen: 19.620 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion: 75 Resp: 42466
Ion Ratio Lower Upper
75 100
53 101.4 78.6 118.0
89 44.5 35.4 53.0

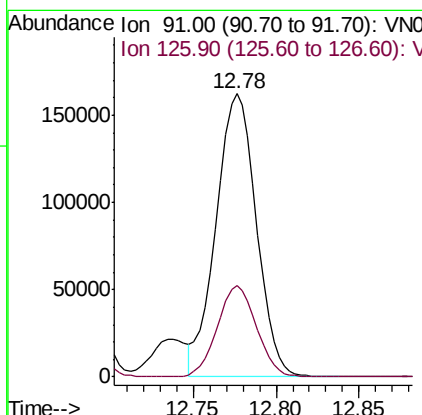
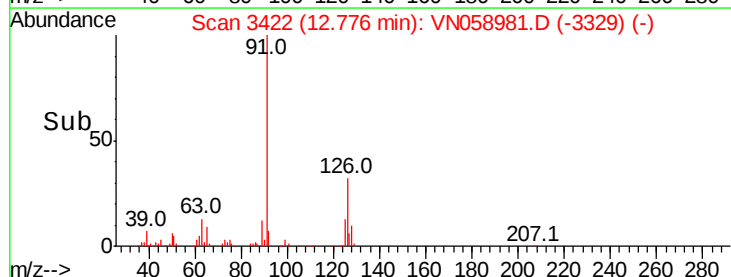
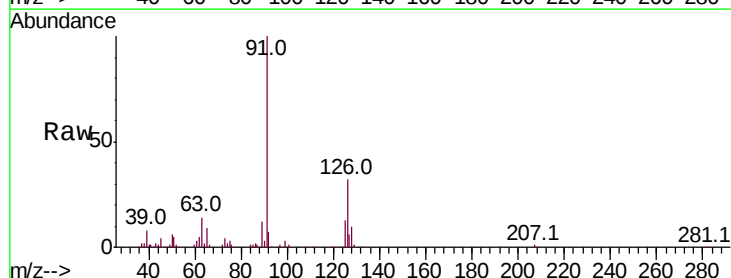
Manual Integrations
APPROVED

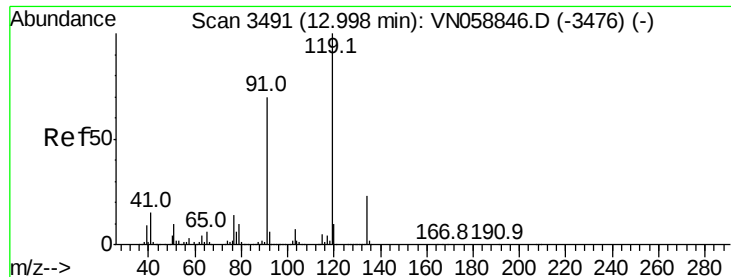
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#82
4-Chlorotoluene
Concen: 20.737 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Tgt Ion: 91 Resp: 272584
Ion Ratio Lower Upper
91 100
126 31.4 16.0 47.9





#83

tert-Butylbenzene

Concen: 21.167 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

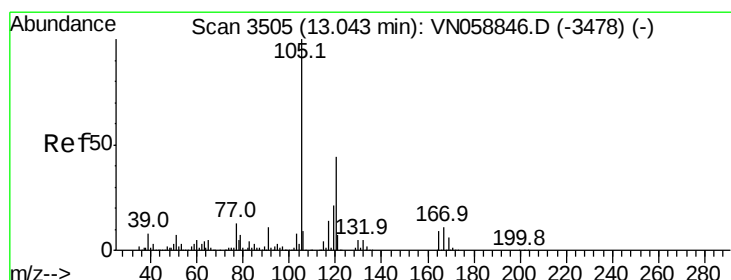
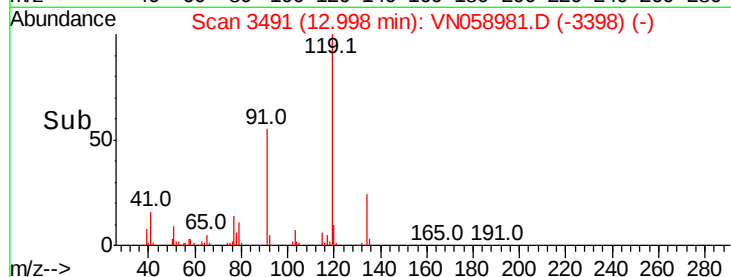
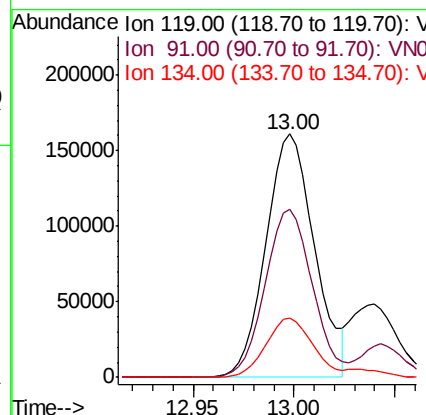
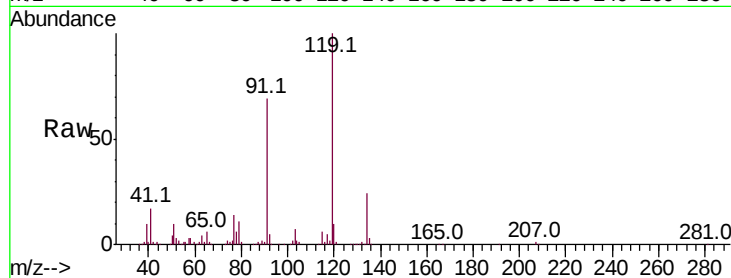
ClientSampleId :

VN1026WBSD01

Tot Ion:	119	Resp:	270393
Ion Ratio	Lower	Upper	
119	100		
91	67.4	34.1	102.3
134	23.8	11.6	34.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.462 ug/l

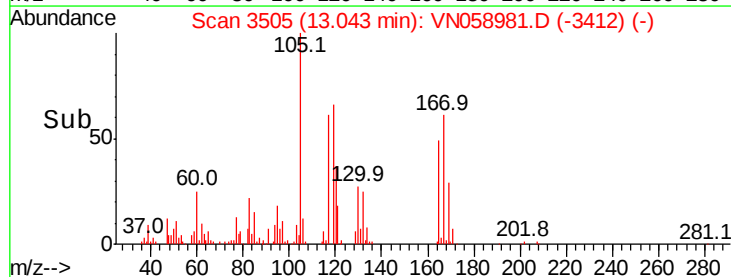
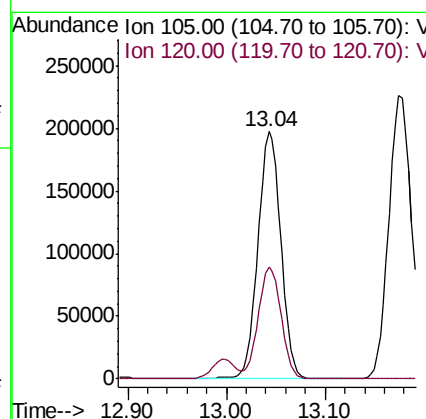
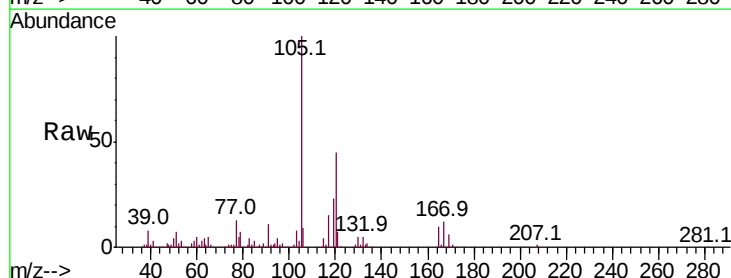
RT: 13.04 min Scan# 3505

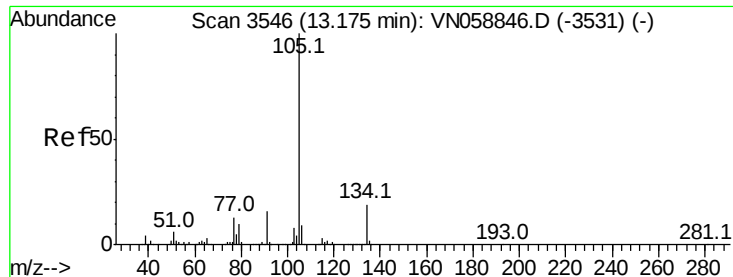
Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Tgt Ion:	105	Resp:	316230
Ion Ratio	Lower	Upper	
105	100		
120	45.0	21.9	65.8





#85

sec-Butylbenzene

Concen: 21.404 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBSD01

Tot Ion:105 Resp: 364539

Ion Ratio Lower Upper

105 100

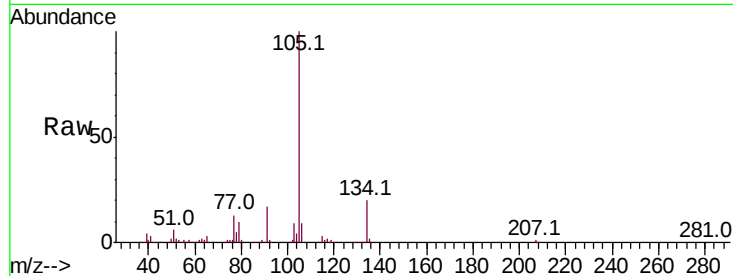
134 19.7 9.4 28.2

Manual Integrations

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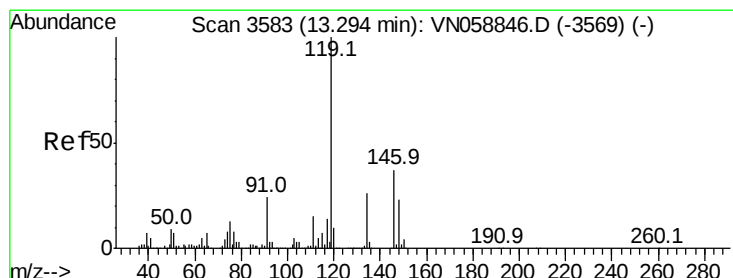
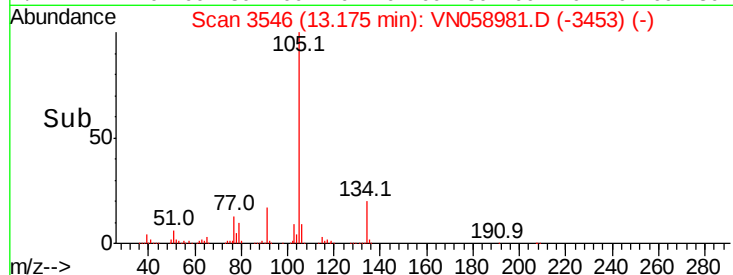
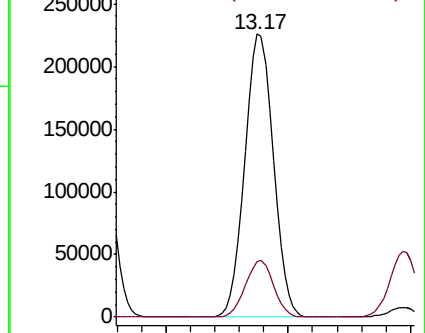
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.257 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

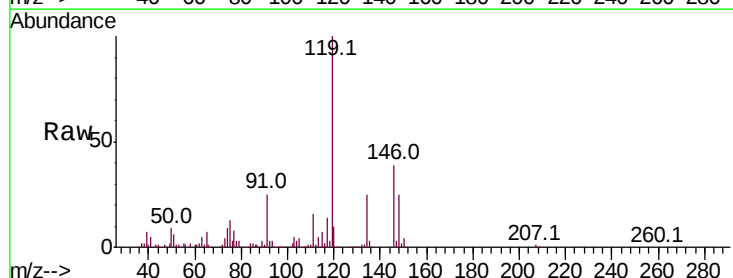
Tgt Ion:119 Resp: 319442

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

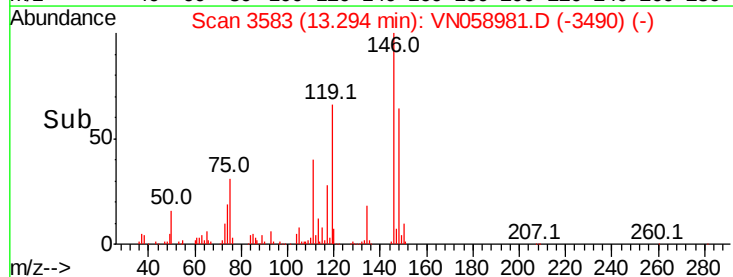
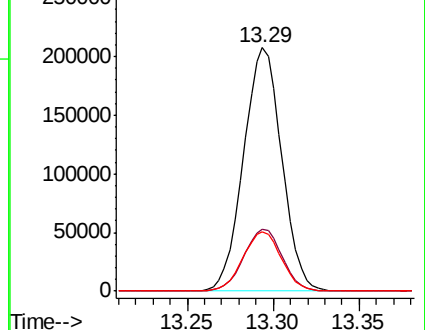
91 24.9 12.2 36.4

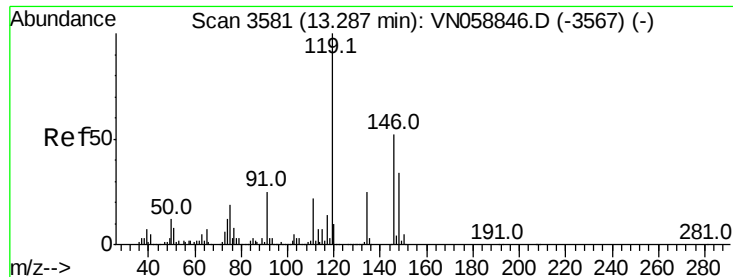


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.568 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058981.D

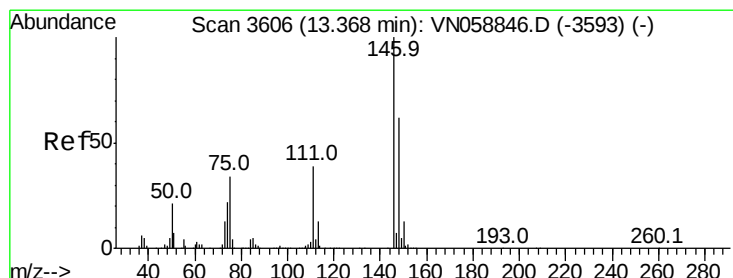
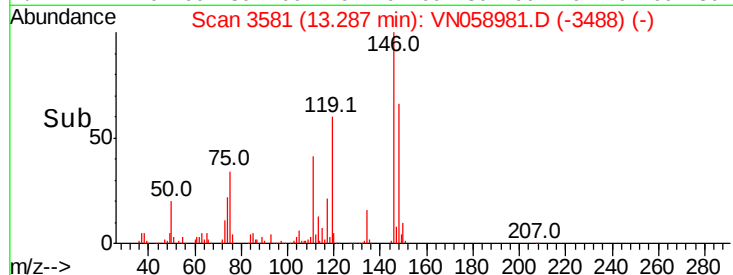
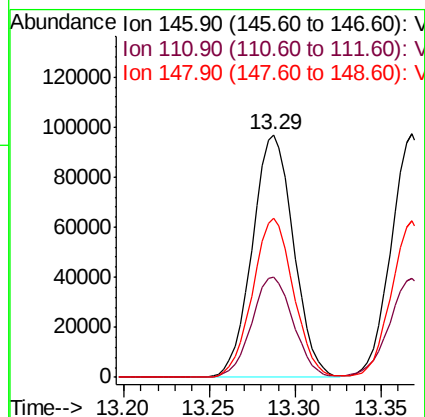
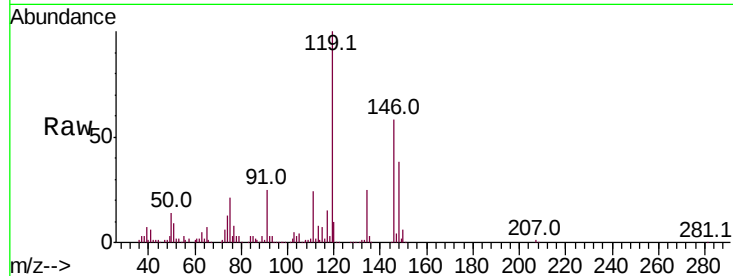
Acq: 25 Oct 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	161171		
111	41.6	21.0	63.0	
148	64.8	32.1	96.3	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.626 ug/l

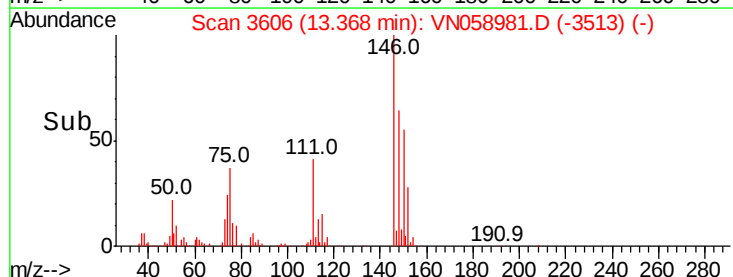
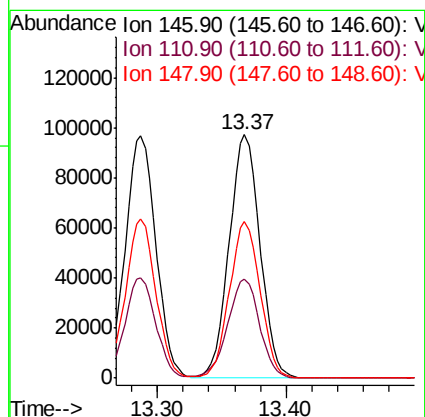
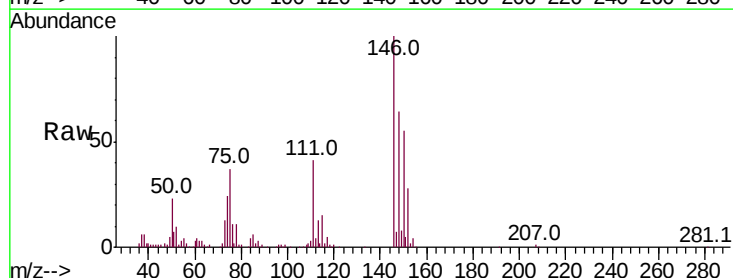
RT: 13.37 min Scan# 3606

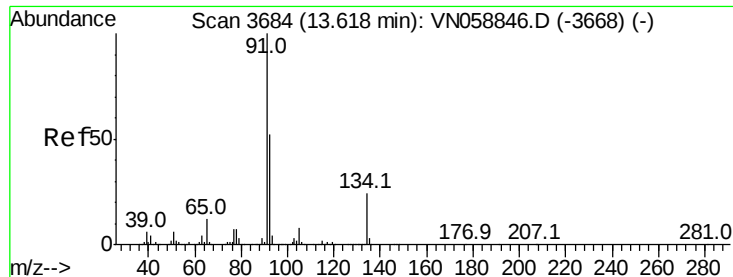
Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	161817		
111	41.8	20.2	60.6	
148	64.1	31.6	94.7	





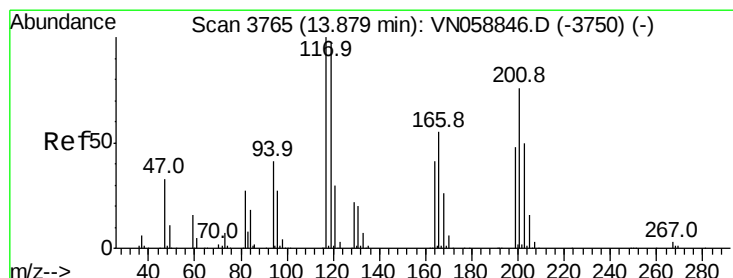
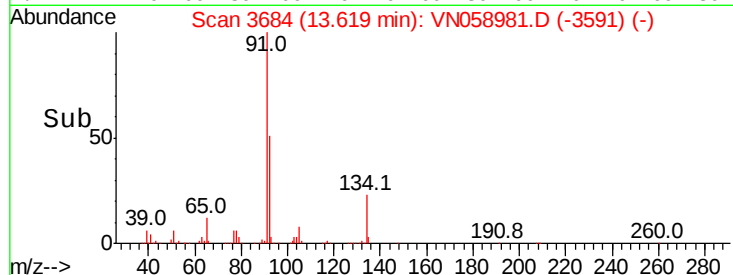
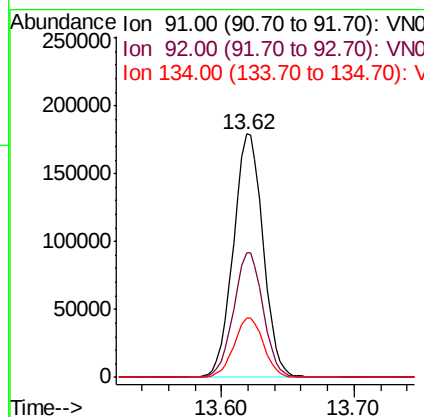
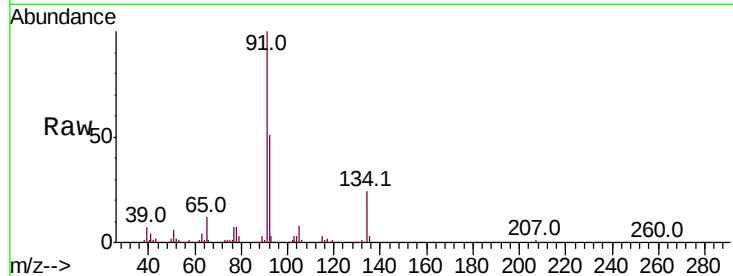
#89
n-Butylbenzene
Concen: 20.239 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.7	77.1
134	24.3	11.9	35.5

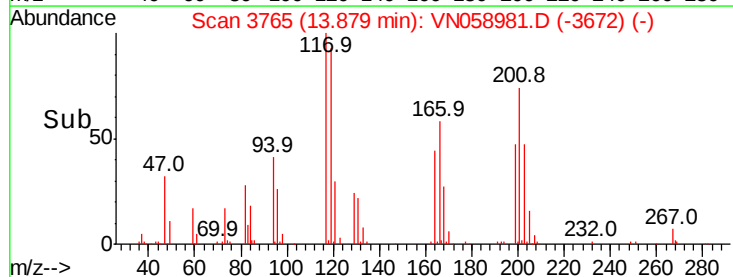
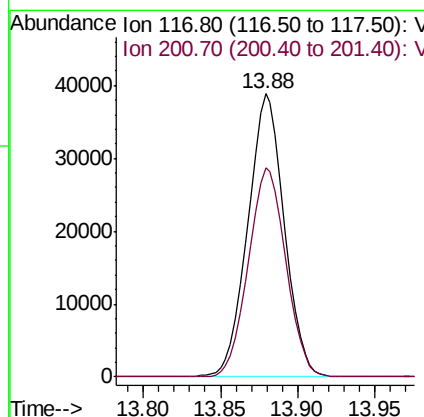
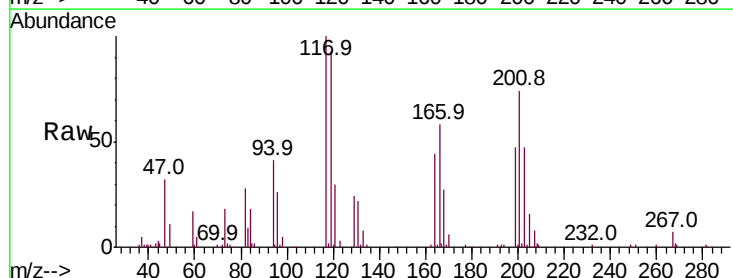
Manual Integrations
APPROVED

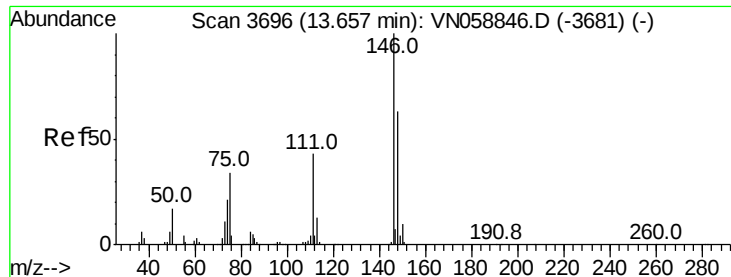
MMDadoda
10/28/2019 9:47:59 AM



#90
Hexachloroethane
Concen: 20.937 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058981.D
Acq: 25 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.9	38.9	116.6





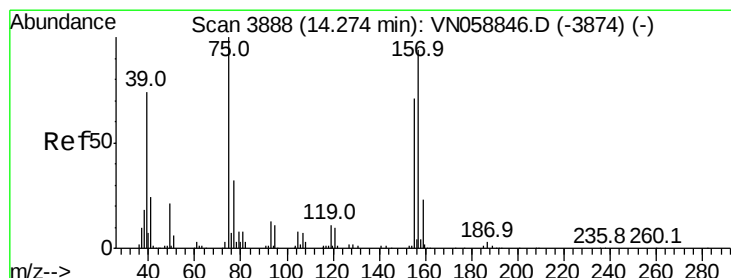
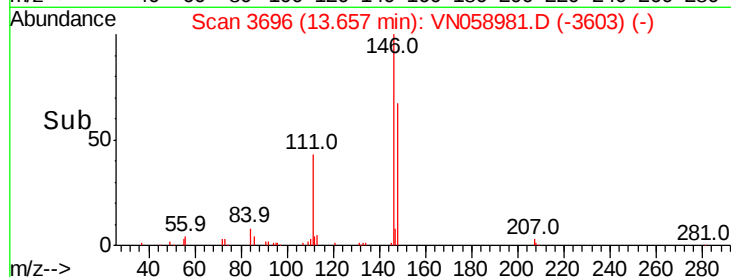
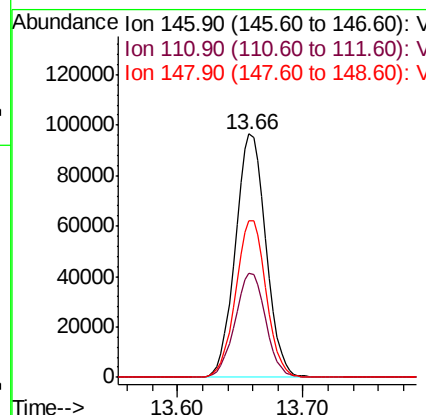
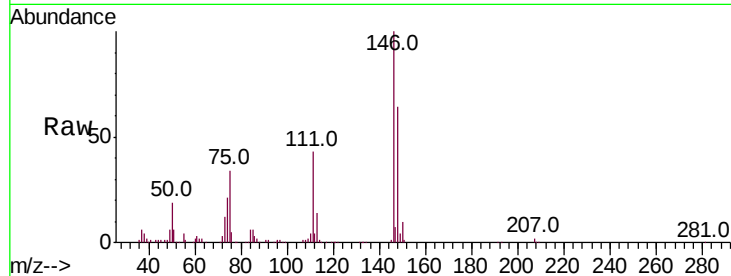
#91
 1,2-Dichlorobenzene
 Concen: 21.129 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058981.D
 Acq: 25 Oct 2019 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	64.8
148	64.3	31.9	95.9

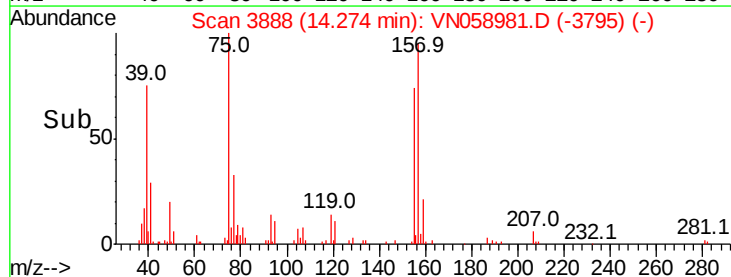
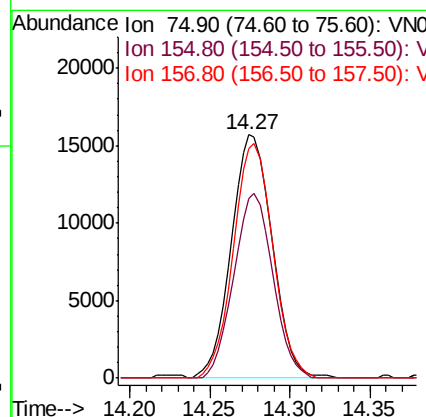
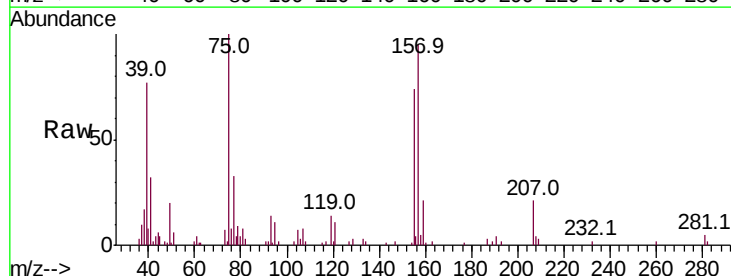
Manual Integrations
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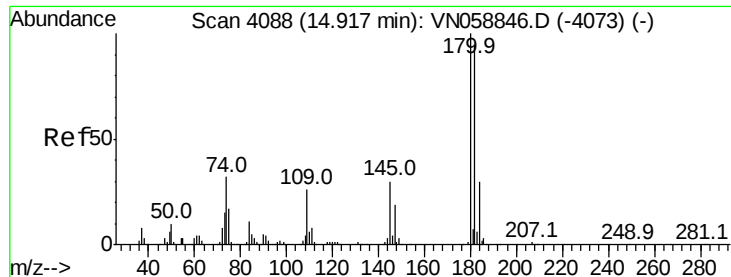
MMDadoda
 10/28/2019 9:47:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.383 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058981.D
 Acq: 25 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.2	35.6	106.8
157	92.8	47.4	142.2





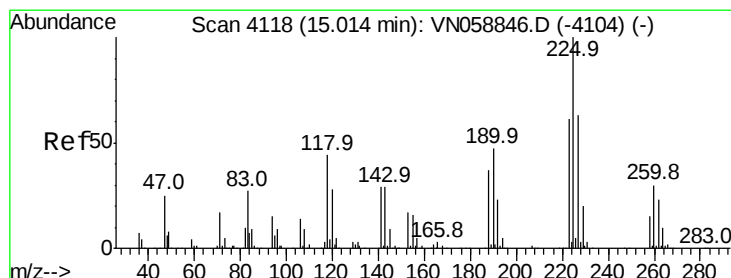
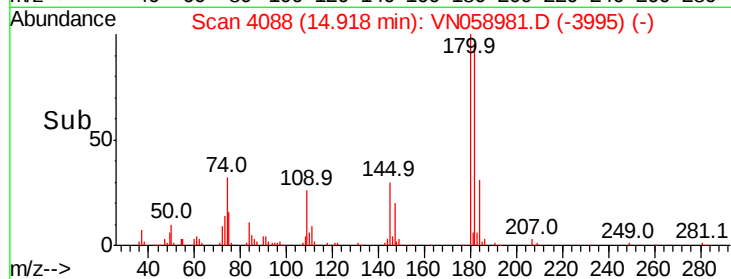
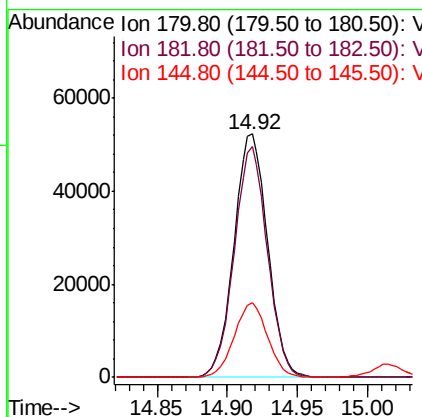
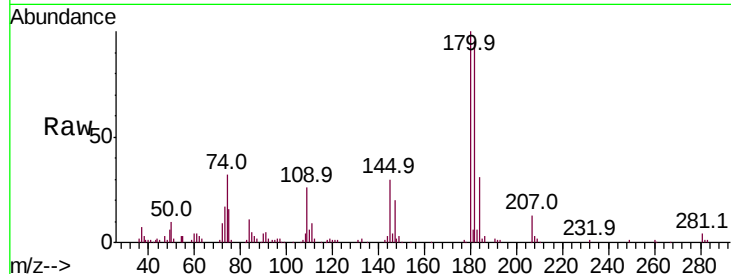
#93
 1,2,4-Trichlorobenzene
 Concen: 19.662 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058981.D
 Acq: 25 Oct 2019 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.3	142.0
145	30.2	15.3	45.8

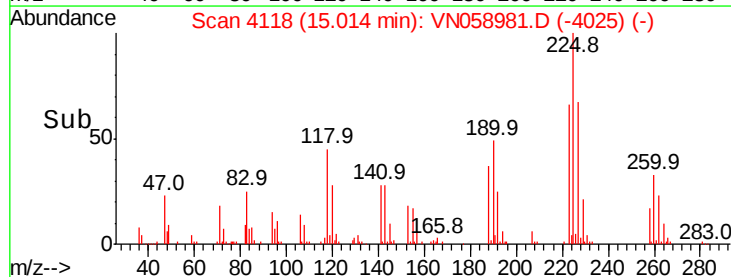
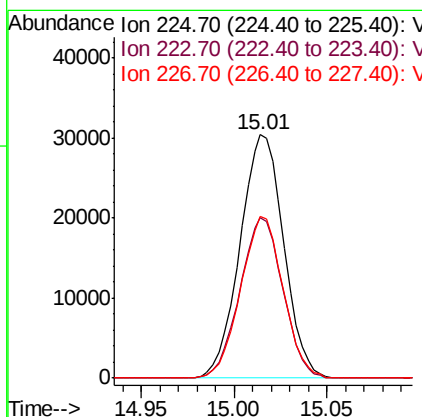
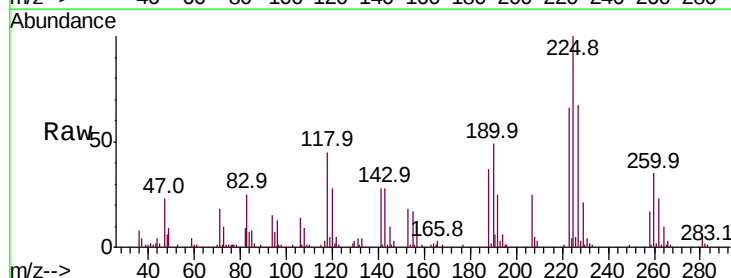
Manual Integrations
 APPROVED

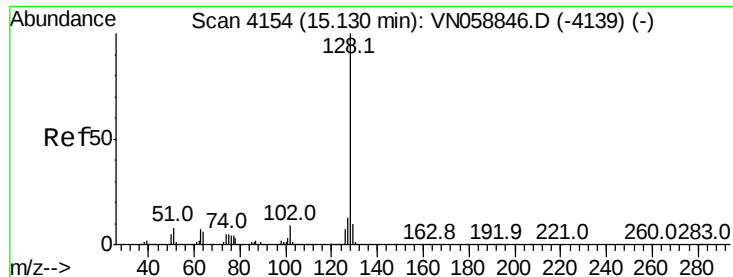
MMDadoda
 10/28/2019 9:47:59 AM



#94
 Hexachlorobutadiene
 Concen: 19.877 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058981.D
 Acq: 25 Oct 2019 12:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	30.9	92.5
227	64.6	31.6	94.7





#95

Naphthalene

Concen: 18.402 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Instrument :

MSVOA_N

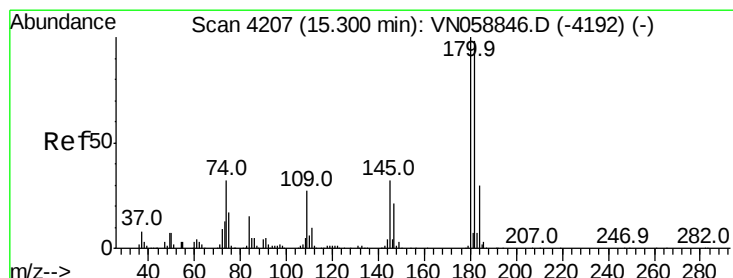
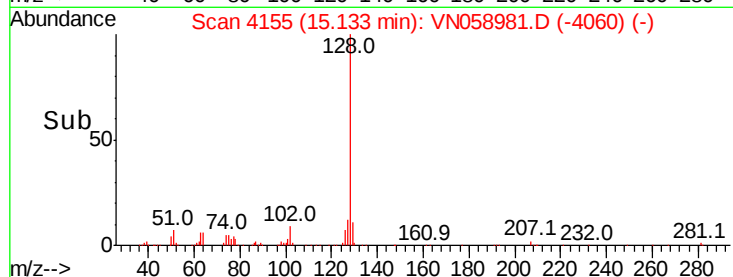
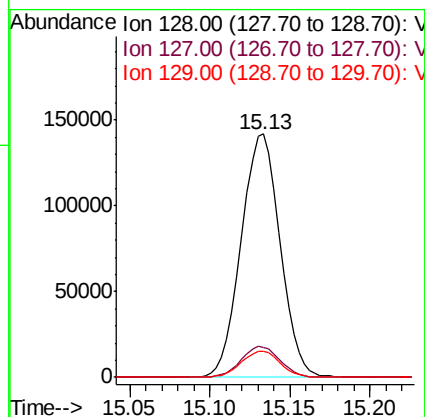
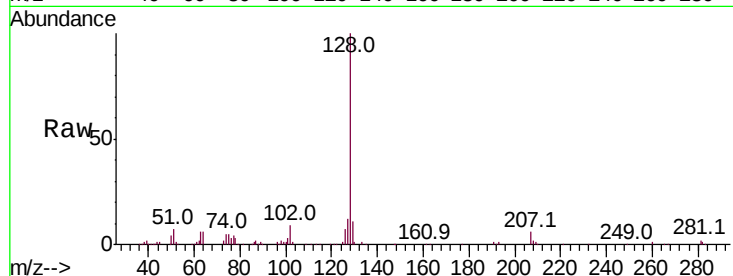
ClientSampleId :

VN1026WBSD01

Tot Ion:	128	Resp:	235930
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.8	8.4	12.6

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.217 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058981.D

Acq: 25 Oct 2019 12:54

Tgt Ion:	180	Resp:	88355
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.9	143.7
145	31.7	15.9	47.7

