

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102619\
 Data File : VN058979.D
 Acq On : 25 Oct 2019 12:10
 Operator : JC/SP
 Sample : VN1026WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 9:47:55 AM

Quant Time: Oct 25 23:42:30 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	339898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	541249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	508663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	238226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	250201	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
35) Dibromofluoromethane	7.57	113	186001	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	10.08	98	701388	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.40	95	250946	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	81222	19.166	ug/l	99
3) Chloromethane	2.04	50	99387	18.936	ug/l	100
4) Vinyl Chloride	2.17	62	104825	20.115	ug/l	100
5) Bromomethane	2.55	94	60630	18.579	ug/l	98
6) Chloroethane	2.69	64	65441	19.582	ug/l	100
7) Trichlorofluoromethane	3.00	101	130365	20.217	ug/l	99
8) Diethyl Ether	3.39	74	46120	20.697	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	72067	20.160	ug/l	99
10) Methyl Iodide	3.93	142	80121	17.041	ug/l	99
11) Tert butyl alcohol	4.76	59	78399	94.769	ug/l	100
12) 1,1-Dichloroethene	3.72	96	67008	19.998	ug/l	99
13) Acrolein	3.58	56	35511	62.474	ug/l	95
14) Allyl chloride	4.30	41	133677	19.715	ug/l	99
15) Acrylonitrile	4.96	53	219618	105.540	ug/l	99
16) Acetone	3.79	43	235953	95.785	ug/l	99
17) Carbon Disulfide	4.03	76	194190	17.991	ug/l	100
18) Methyl Acetate	4.30	43	122417	21.858	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	243200	20.728	ug/l	98
20) Methylene Chloride	4.53	84	82258	19.556	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	73722	19.922	ug/l	95
22) Diisopropyl ether	5.93	45	279486	21.074	ug/l	98
23) Vinyl Acetate	5.87	43	1164011	109.243	ug/l	100
24) 1,1-Dichloroethane	5.82	63	157679	20.504	ug/l	100
25) 2-Butanone	6.81	43	315094	98.538	ug/l	98
26) 2,2-Dichloropropane	6.81	77	133543	20.077	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	86305	20.417	ug/l	99
28) Bromochloromethane	7.18	49	54902	21.437	ug/l	97
29) Tetrahydrofuran	7.19	42	202596	103.569	ug/l	99
30) Chloroform	7.35	83	154417	20.018	ug/l	99
31) Cyclohexane	7.63	56	137457	19.187	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	130126	20.013	ug/l	99
36) 1,1-Dichloropropene	7.78	75	110991	20.030	ug/l	100
37) Ethyl Acetate	6.91	43	126204	20.902	ug/l	99
38) Carbon Tetrachloride	7.75	117	113958	19.963	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	120934	19.436	ug/l	99
40) Benzene	8.02	78	337857	20.763	ug/l	97
41) Methacrylonitrile	7.15	41	55825	20.759	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	130924	20.887	ug/l	100
43) Isopropyl Acetate	8.15	43	200890	20.746	ug/l	99
44) Trichloroethene	8.82	130	79621	20.087	ug/l	98
45) 1,2-Dichloropropane	9.11	63	94353	21.146	ug/l	100
46) Dibromomethane	9.20	93	57269	20.303	ug/l	99
47) Bromodichloromethane	9.39	83	119856	20.616	ug/l	99
48) Methyl methacrylate	9.19	41	90229	20.537	ug/l	100
49) 1,4-Dioxane	9.19	88	27528	381.694	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	634688	112.215	ug/l	99
52) Toluene	10.15	92	205312	21.277	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	132226	20.545	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	141799	20.622	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	82150	20.666	ug/l	97
56) Ethyl methacrylate	10.43	69	119981	19.312	ug/l	99
57) 1,3-Dichloropropane	10.70	76	145385	20.838	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	262158	96.532	ug/l	99
59) 2-Hexanone	10.75	43	469166	107.346	ug/l	98
60) Dibromochloromethane	10.90	129	88735	20.739	ug/l	99
61) 1,2-Dibromoethane	11.00	107	84746	20.832	ug/l	99
64) Tetrachloroethene	10.63	164	69444	19.494	ug/l	98
65) Chlorobenzene	11.43	112	216192	20.877	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	83030	21.247	ug/l	99
67) Ethyl Benzene	11.51	91	383477	21.109	ug/l	99
68) m/p-Xylenes	11.62	106	285152	42.327	ug/l	100
69) o-Xylene	11.95	106	134458	20.927	ug/l	99
70) Styrene	11.97	104	220726	19.687	ug/l	99
71) Bromoform	12.13	173	63090	20.820	ug/l #	99
73) Isopropylbenzene	12.25	105	368937	21.191	ug/l	100
74) N-amyl acetate	12.07	43	164877	20.889	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	129369	21.133	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	123887m	22.439	ug/l	
77) Bromobenzene	12.53	156	90731	21.143	ug/l	97
78) n-propylbenzene	12.59	91	437340	21.252	ug/l	100
79) 2-Chlorotoluene	12.68	91	265444	21.075	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	312918	21.392	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	43087	20.330	ug/l	99
82) 4-Chlorotoluene	12.78	91	262509	20.395	ug/l	100
83) tert-Butylbenzene	13.00	119	261956	20.942	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	310270	21.505	ug/l	100
85) sec-Butylbenzene	13.18	105	352313	21.126	ug/l	99
86) p-Isopropyltoluene	13.29	119	312185	21.216	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	158037	20.596	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	156187	20.331	ug/l	98
89) n-Butylbenzene	13.62	91	266835	19.740	ug/l	99
90) Hexachloroethane	13.88	117	60236	20.202	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	155367	20.601	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27212	19.653	ug/l	98

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ClientSampleId :
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Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	14.91	180	80643	18.650	ug/l	99
94) Hexachlorobutadiene	15.01	225	49436	20.224	ug/l	99
95) Naphthalene	15.13	128	222760	17.824	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	84013	19.701	ug/l	98

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

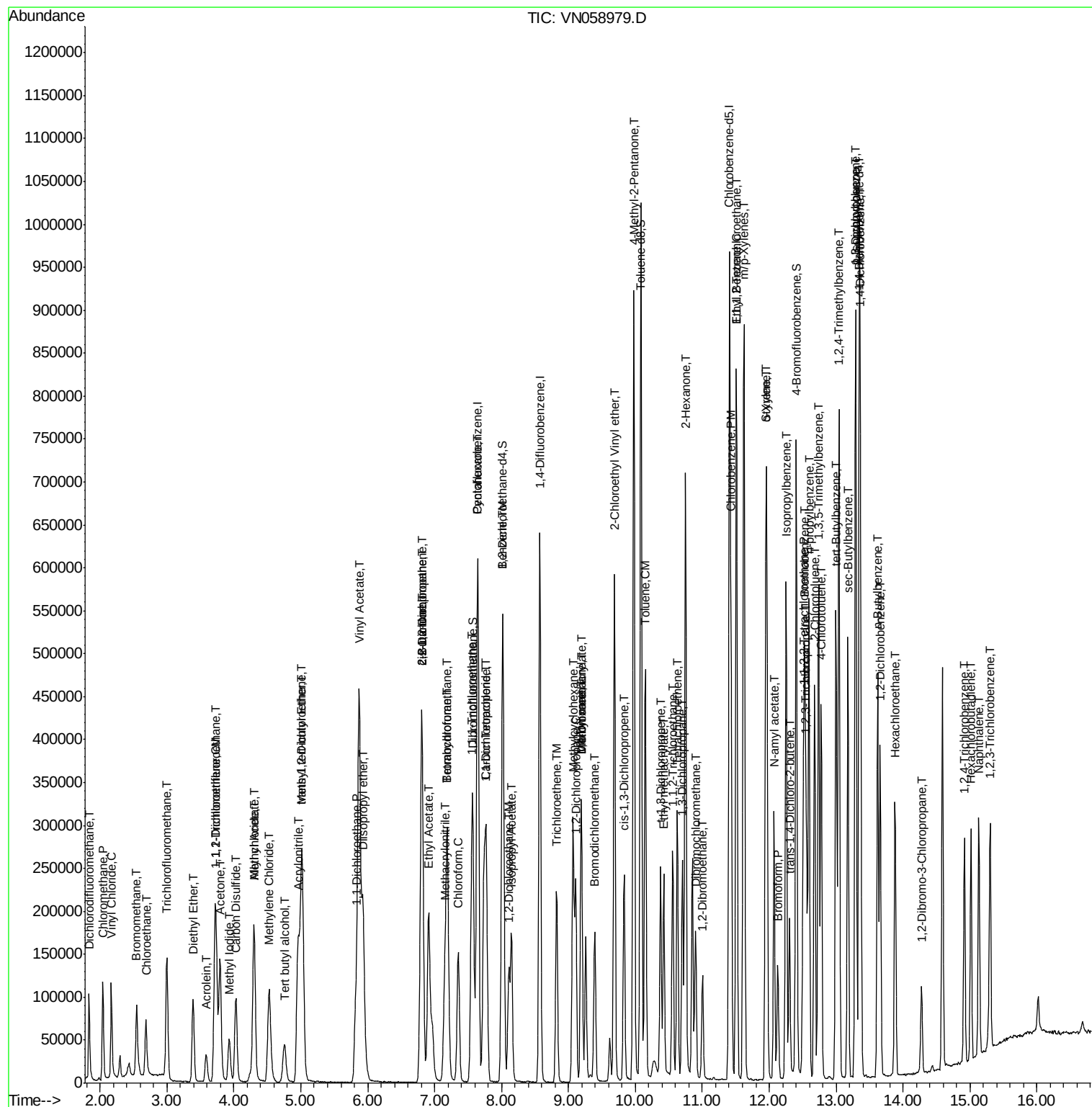
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102619\
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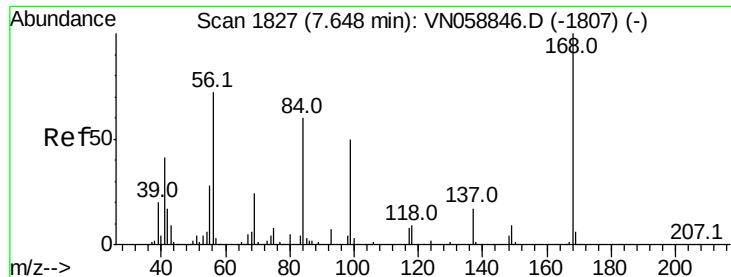
Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion:168 Resp: 339898

Ion Ratio Lower Upper

168 100

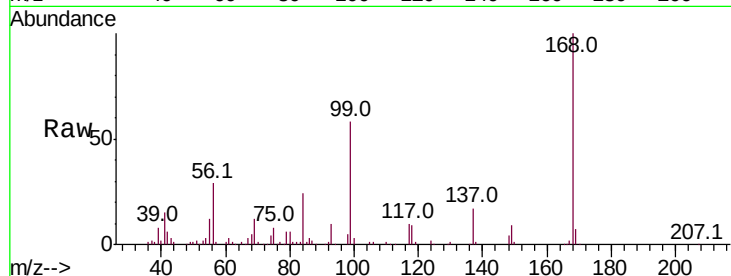
99 58.0 48.1 72.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

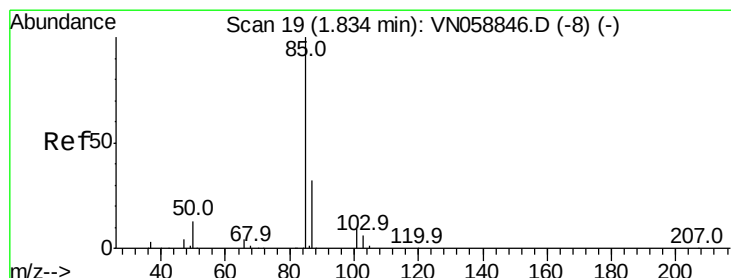
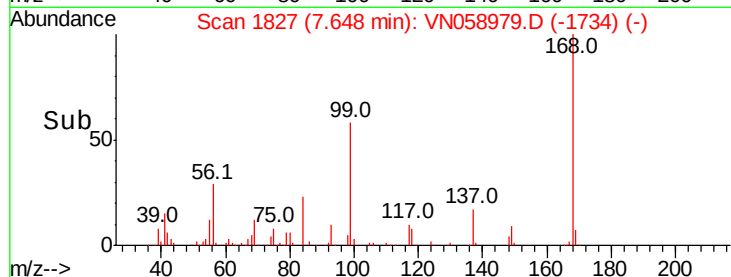
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.166 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058979.D

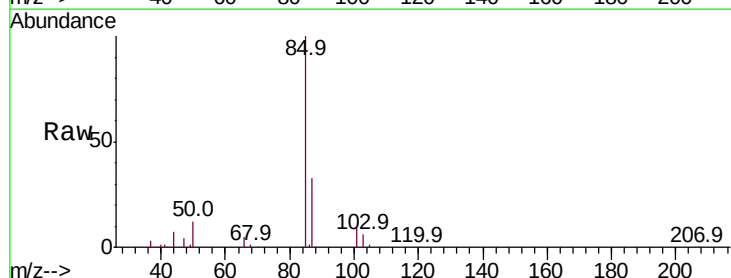
Acq: 25 Oct 2019 12:10

Tgt Ion: 85 Resp: 81222

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

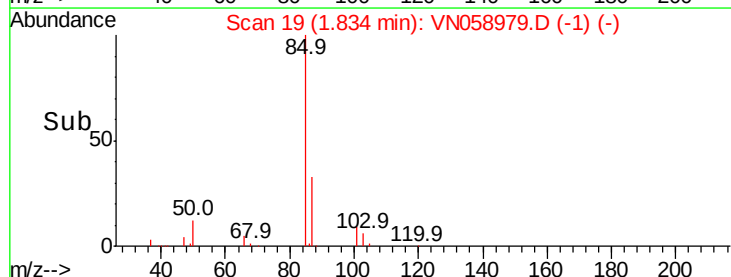
20000

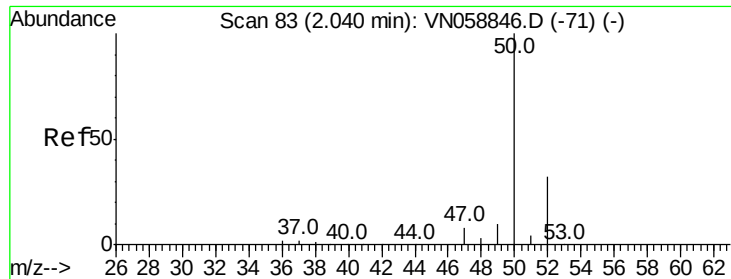
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.936 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion: 50 Resp: 99387

Ion Ratio Lower Upper

50 100

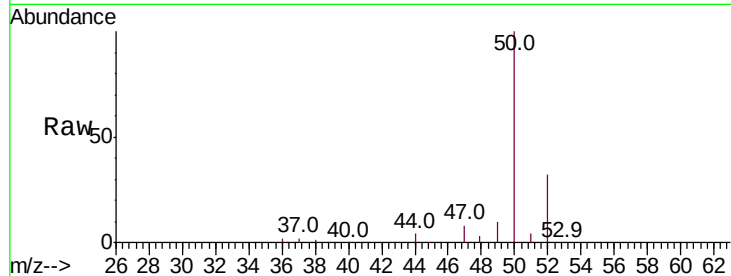
52 32.1 25.7 38.5

Manual Integrations

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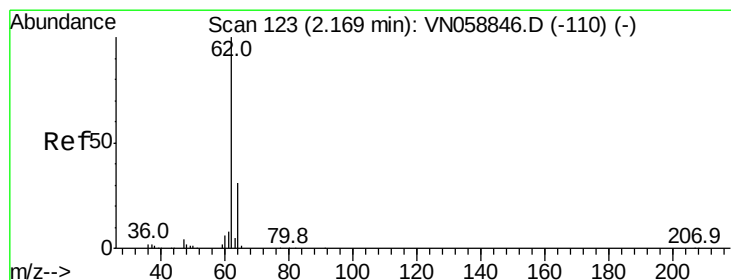
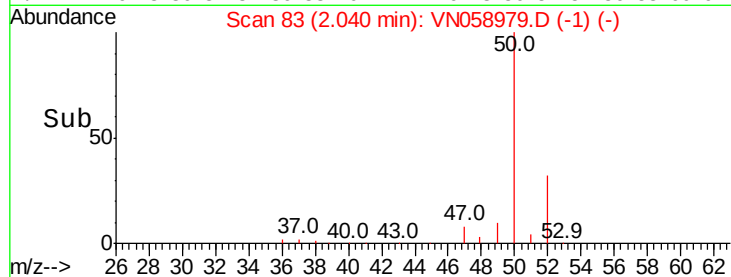
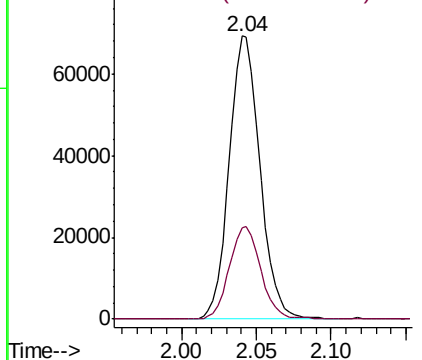
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 20.115 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058979.D

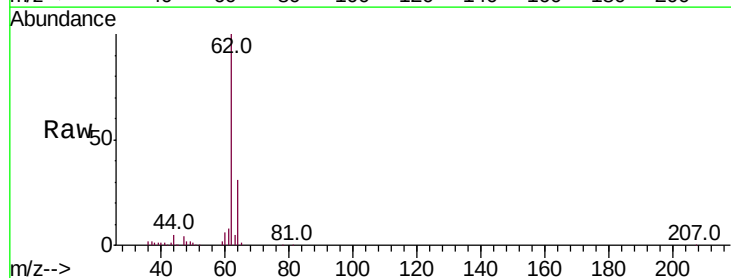
Acq: 25 Oct 2019 12:10

Tgt Ion: 62 Resp: 104825

Ion Ratio Lower Upper

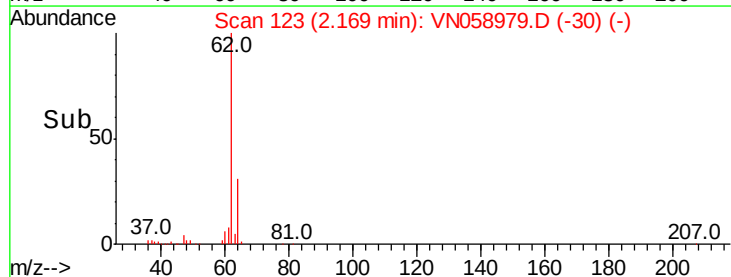
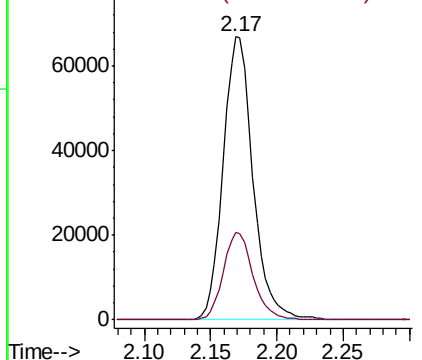
62 100

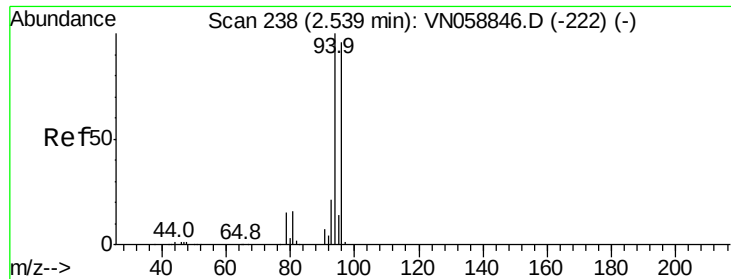
64 30.9 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 18.579 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

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VN1026WBS01

Tot Ion: 94 Resp: 60630

Ion Ratio Lower Upper

94 100

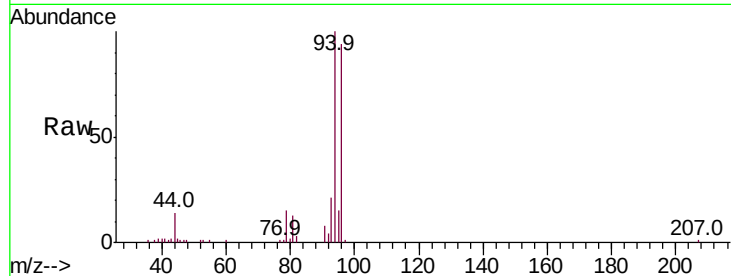
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Manual Integrations

APPROVED

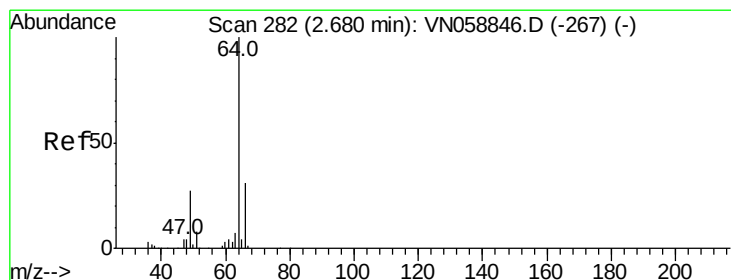
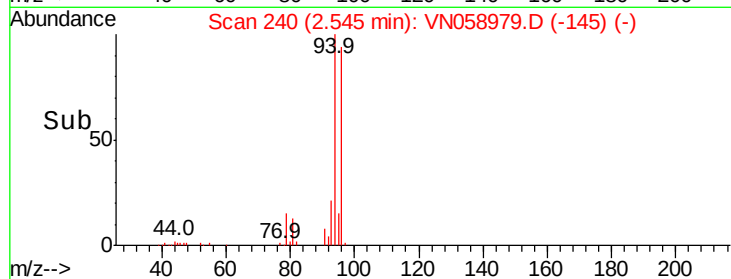
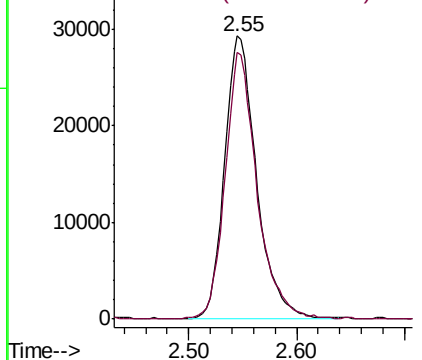
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.582 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058979.D

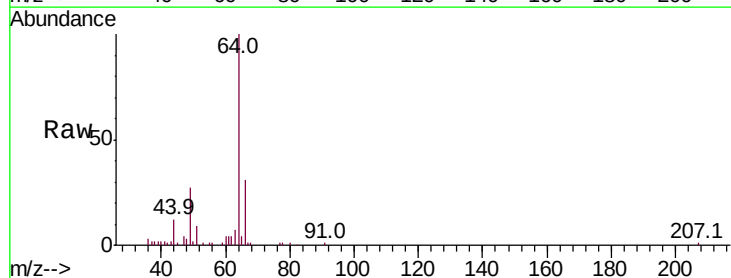
Acq: 25 Oct 2019 12:10

Tgt Ion: 64 Resp: 65441

Ion Ratio Lower Upper

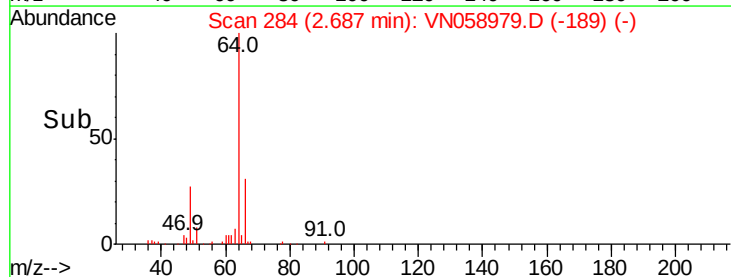
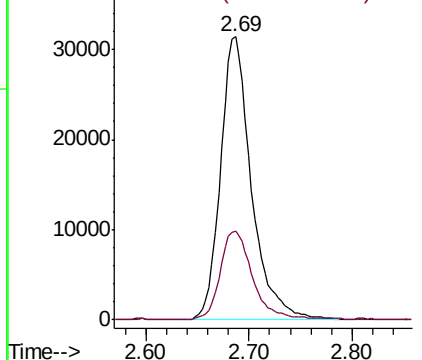
64 100

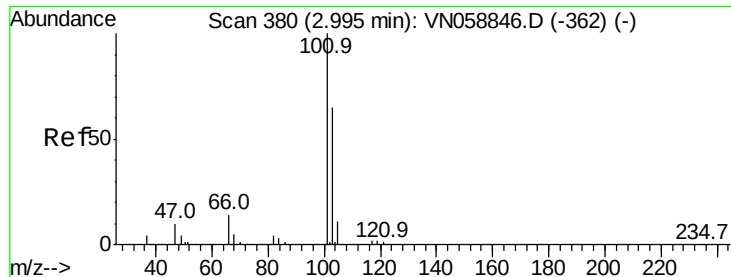
66 31.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

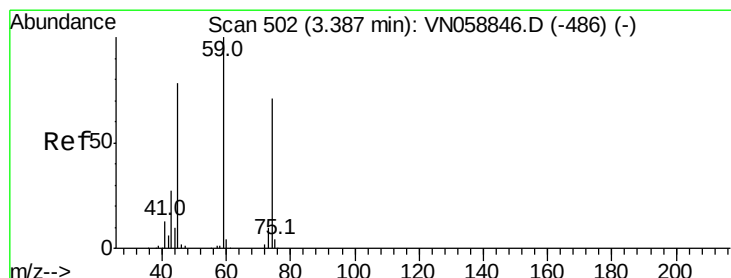
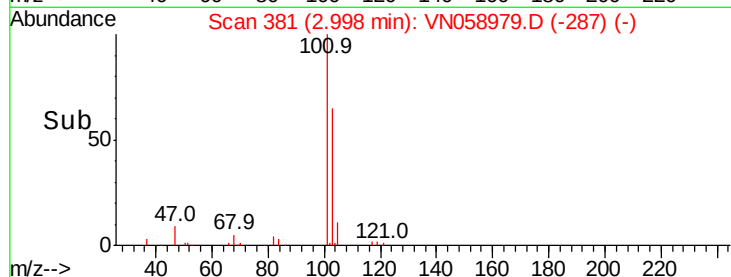
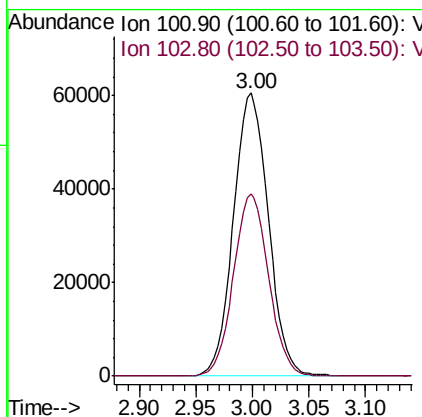
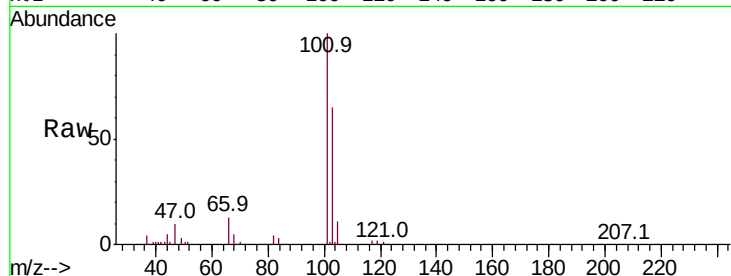
Trichlorofluoromethane
Concen: 20.217 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.2	78.2

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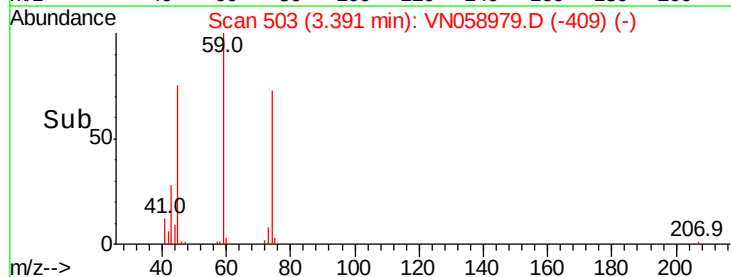
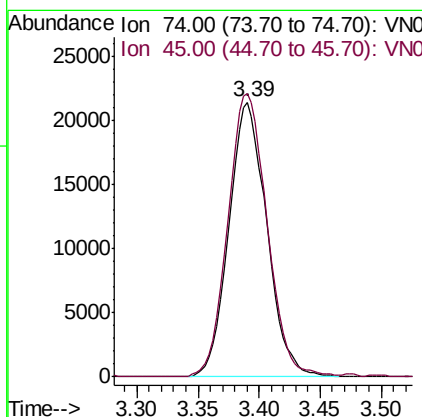
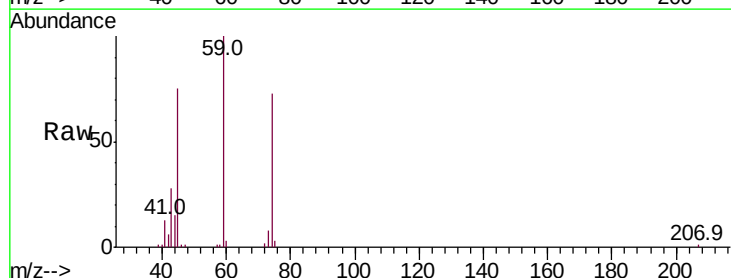
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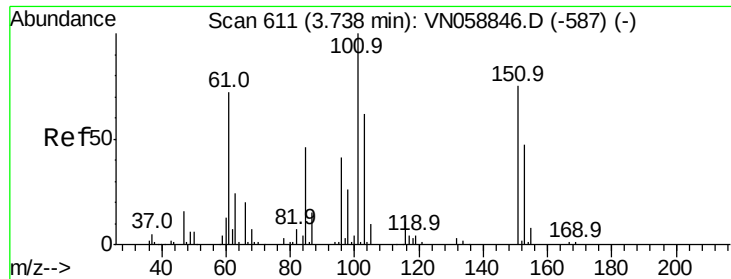


#8

Diethyl Ether
Concen: 20.697 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.2	54.9	164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.160 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

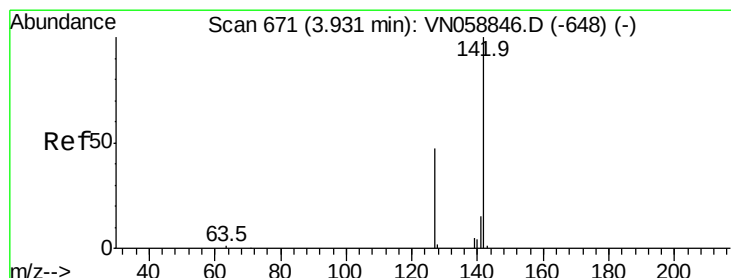
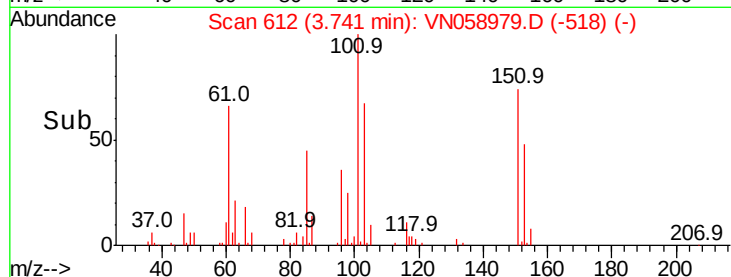
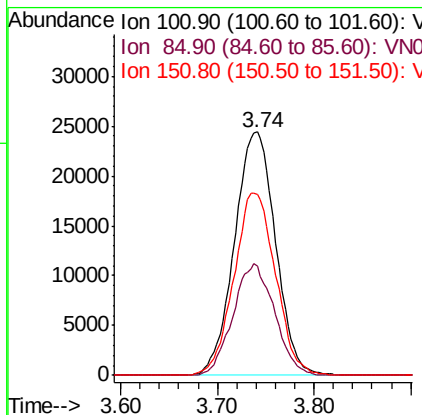
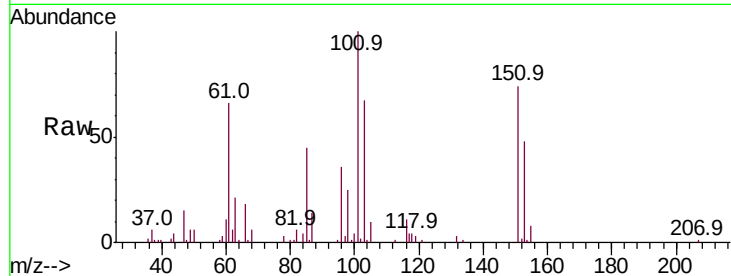
ClientSampleId :

VN1026WBS01

Tot Ion:	101	Resp:	72067
Ion Ratio	Lower	Upper	
101	100		
85	46.1	37.2	55.8
151	75.8	59.9	89.9

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#10

Methyl Iodide

Concen: 17.041 ug/l

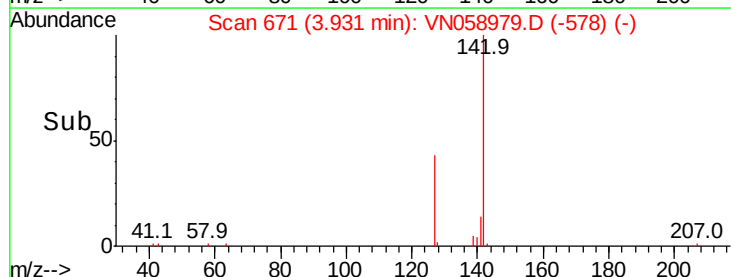
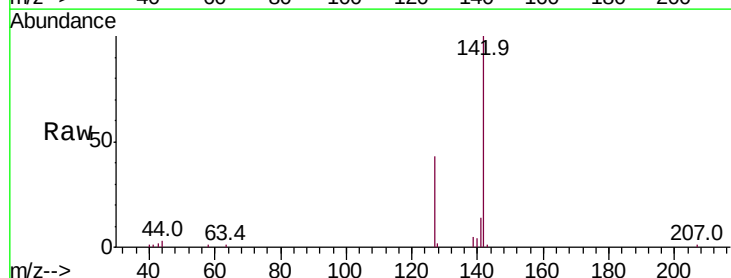
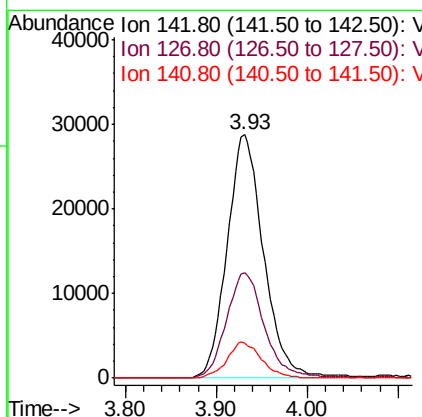
RT: 3.93 min Scan# 671

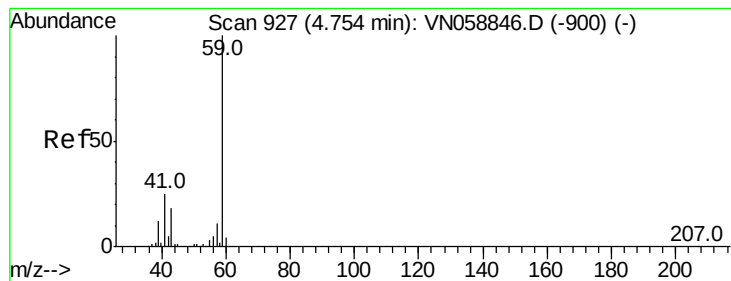
Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Tgt Ion:	142	Resp:	80121
Ion Ratio	Lower	Upper	
142	100		
127	44.7	36.6	54.8
141	13.9	11.4	17.2





#11

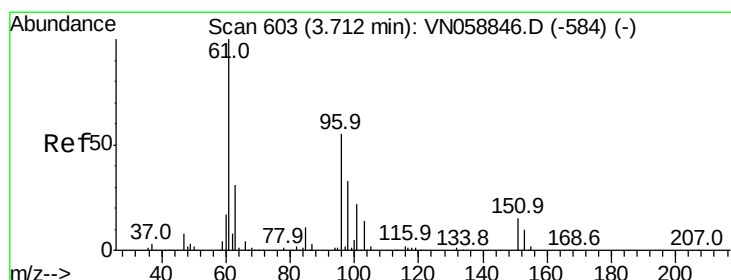
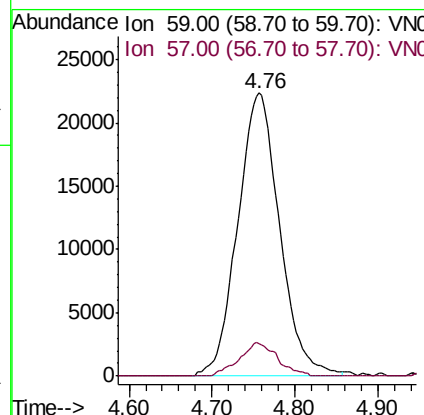
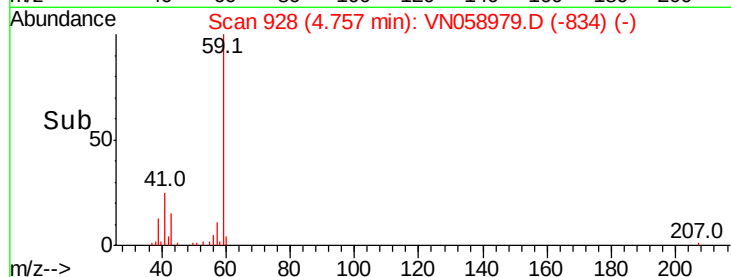
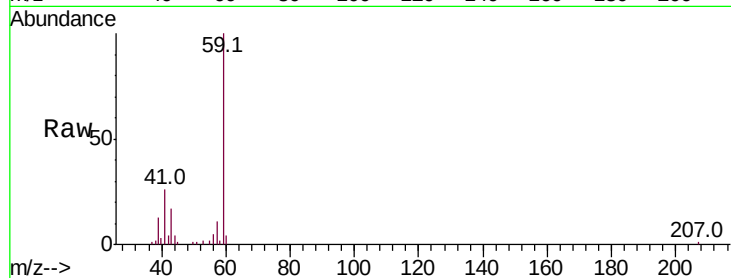
Tert butyl alcohol
Concen: 94.769 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8

Manual Integrations
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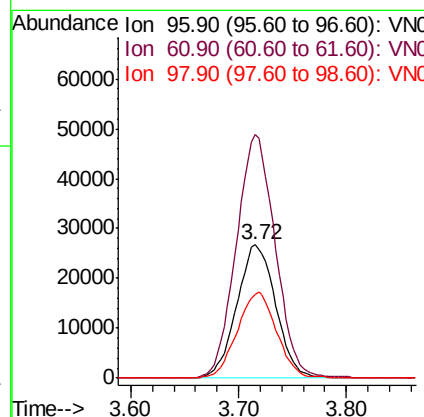
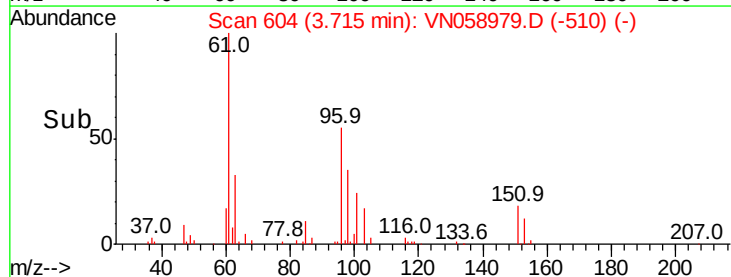
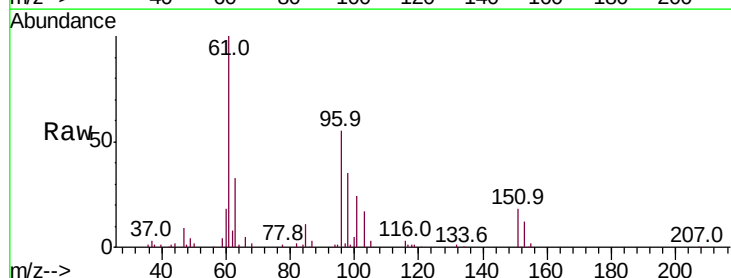
MMDadoda
10/28/2019 9:47:55 AM

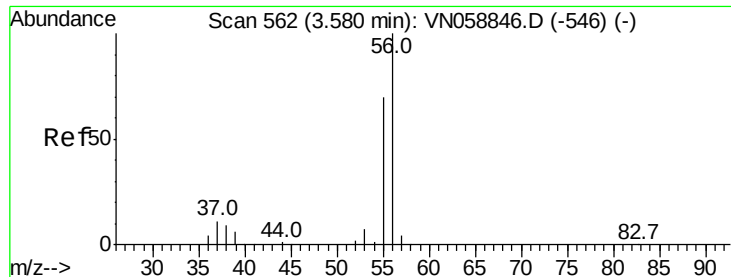


#12

1,1-Dichloroethene
Concen: 19.998 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.2	146.2	219.2
98	63.3	48.7	73.1





#13

Acrolein

Concen: 62.474 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion: 56 Resp: 35511

Ion Ratio Lower Upper

56 100

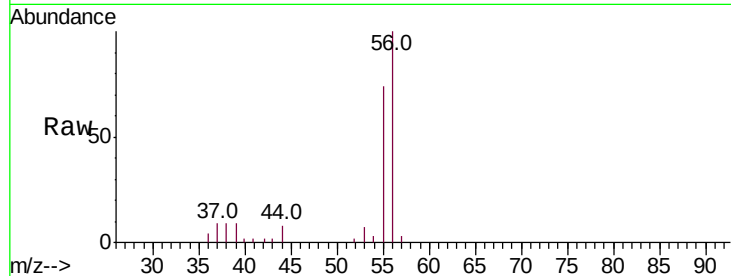
55 75.0 56.6 85.0

Manual Integrations

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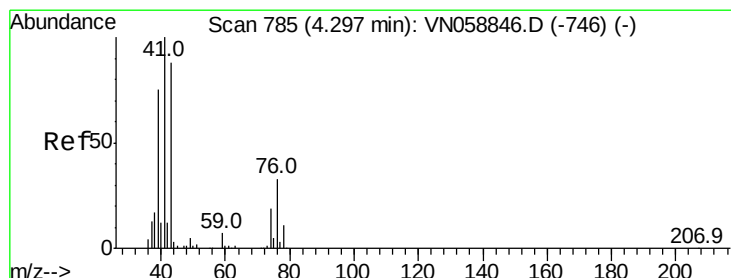
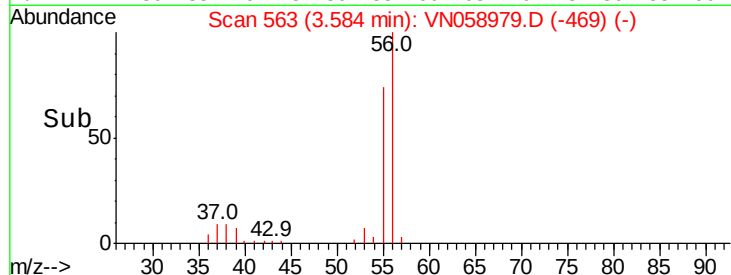
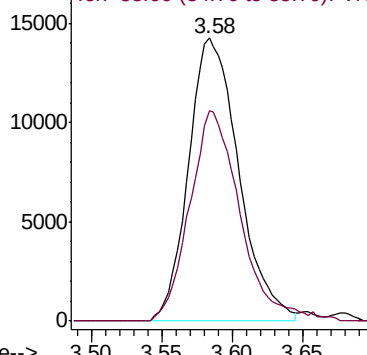
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.715 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

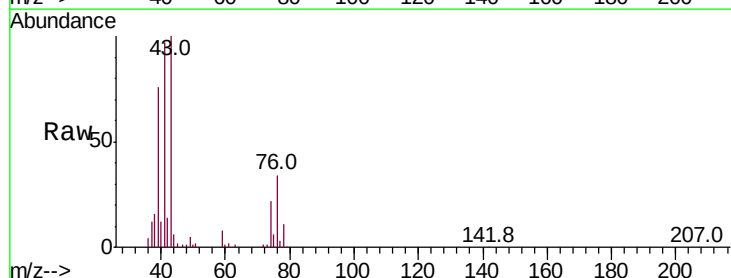
Tgt Ion: 41 Resp: 133677

Ion Ratio Lower Upper

41 100

39 70.6 55.9 83.9

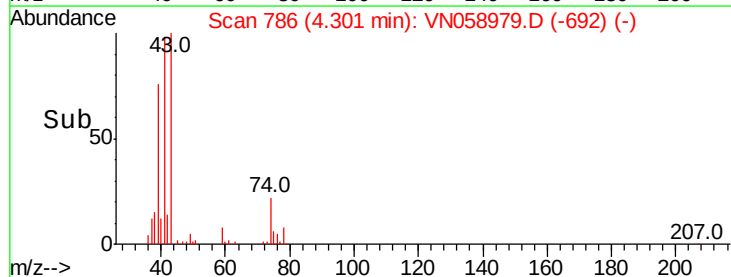
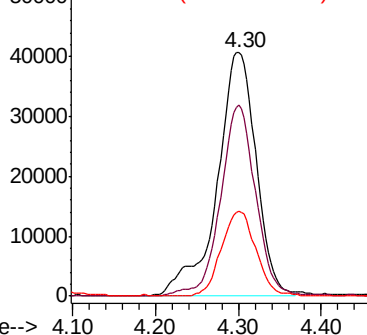
76 30.7 24.1 36.1

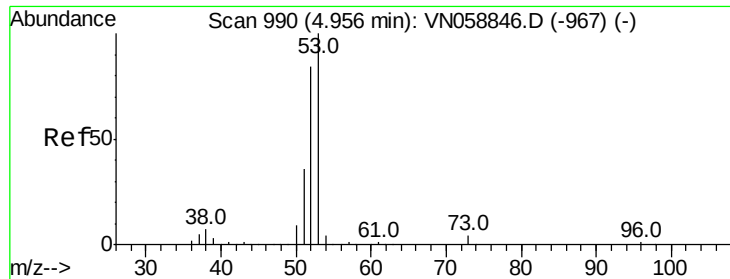


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 105.540 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

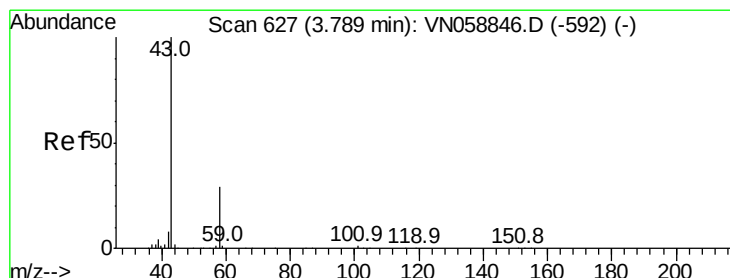
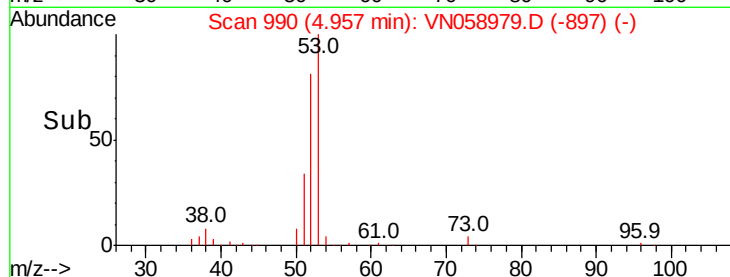
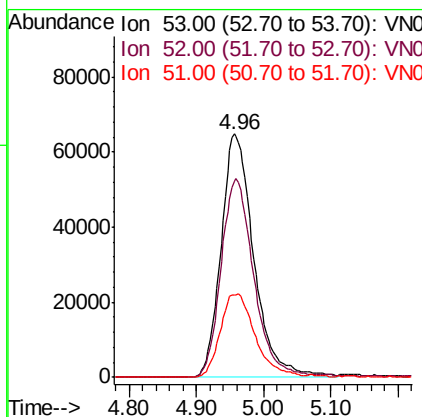
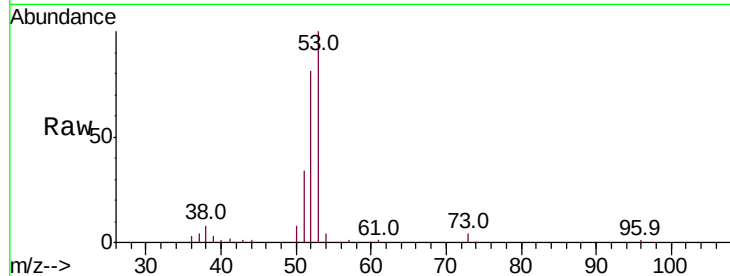
ClientSampleId :

VN1026WBS01

Tot Ion:	53	Resp:	219618
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.6	99.8
51	36.6	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 95.785 ug/l

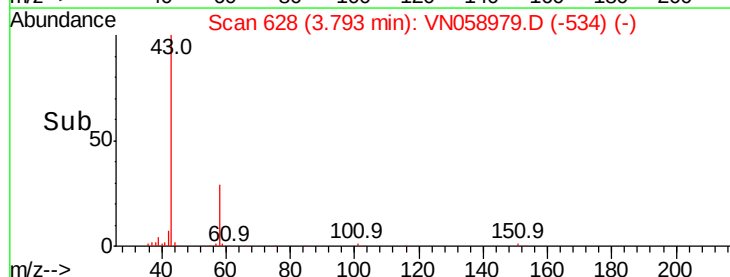
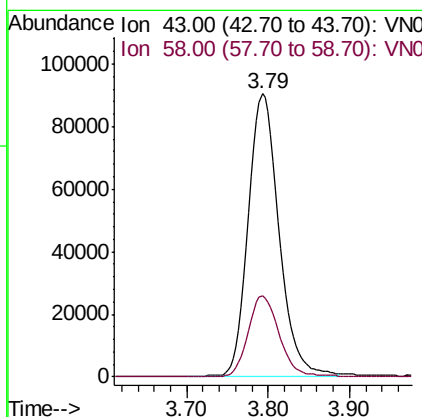
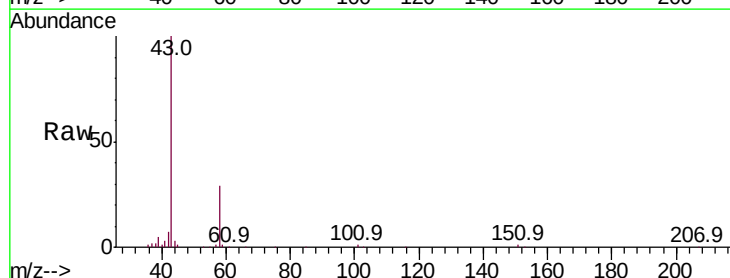
RT: 3.79 min Scan# 628

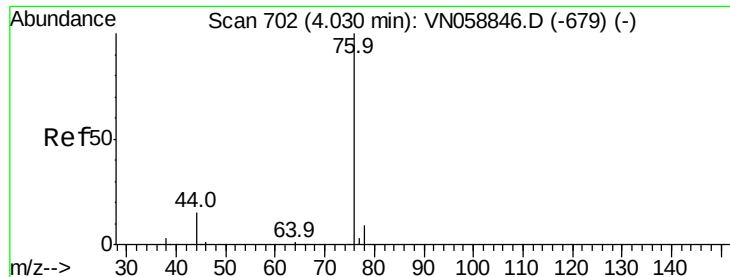
Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Tgt Ion:	43	Resp:	235953
Ion Ratio	Lower	Upper	
43	100		
58	28.6	23.1	34.7





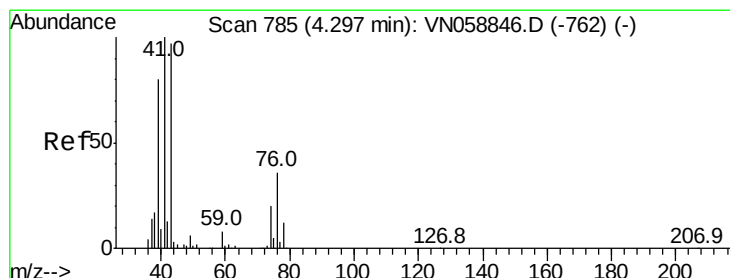
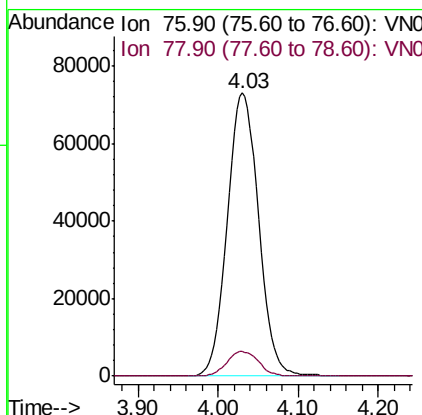
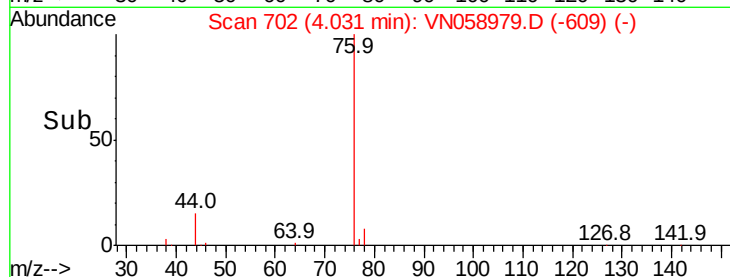
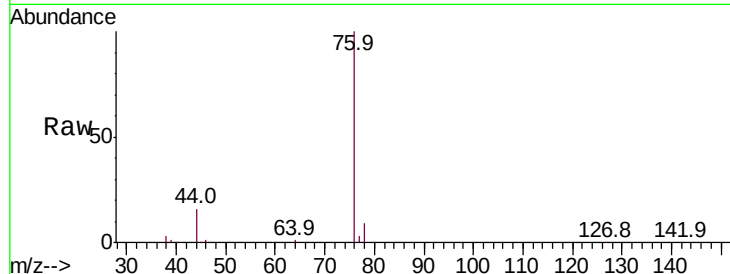
#17
Carbon Disulfide
Concen: 17.991 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

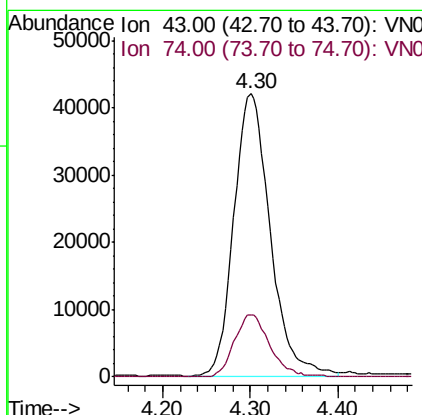
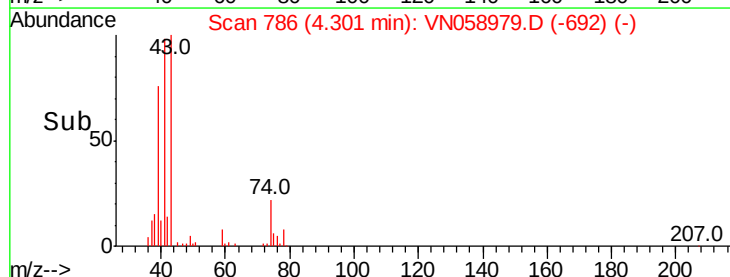
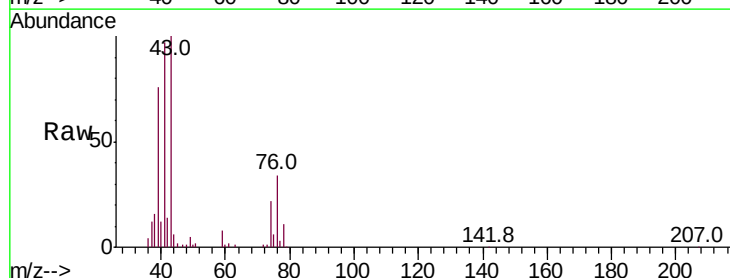
Manual Integrations
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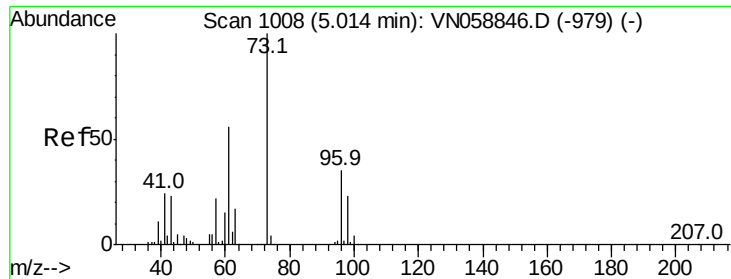
MMDadoda
10/28/2019 9:47:55 AM



#18
Methyl Acetate
Concen: 21.858 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.1	25.7





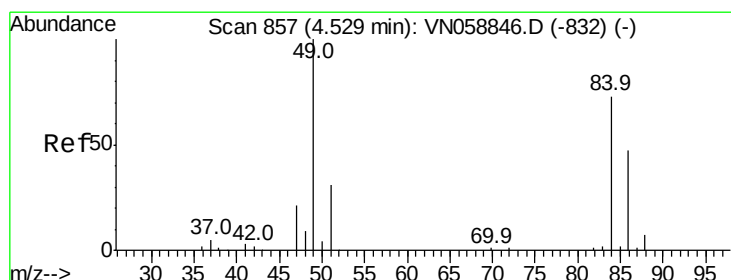
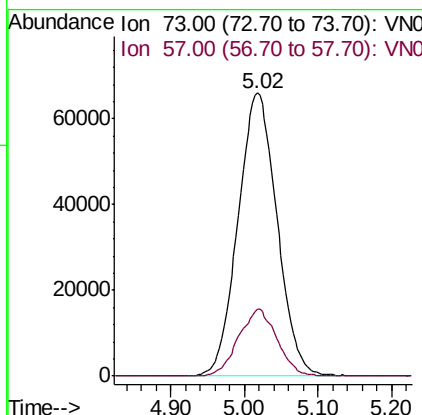
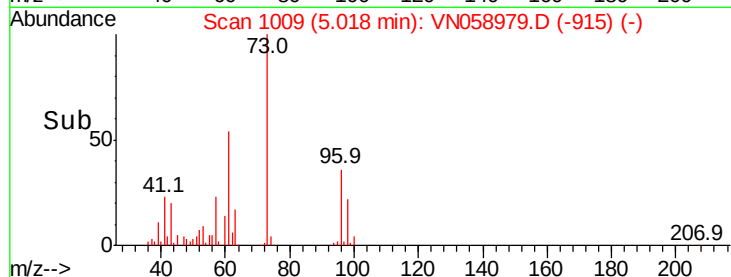
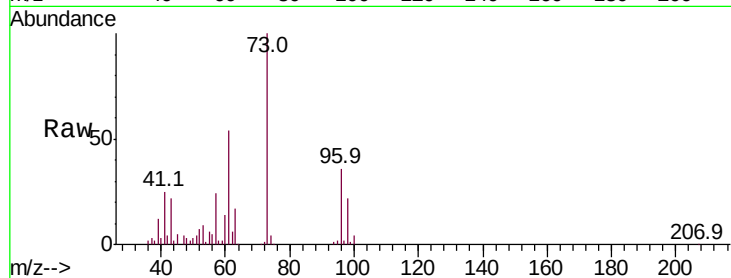
#19
Methyl tert-butyl Ether
Concen: 20.728 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion: 73 Resp: 243200
Ion Ratio Lower Upper
73 100
57 23.5 17.9 26.9

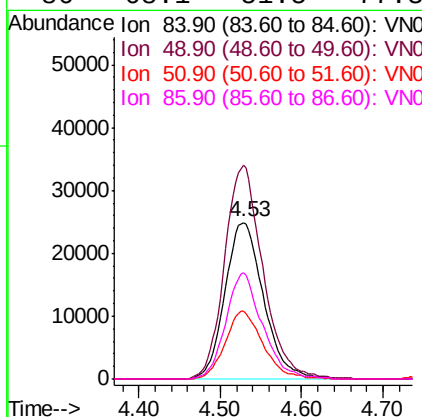
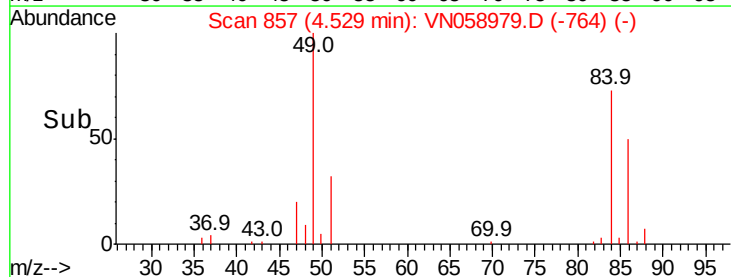
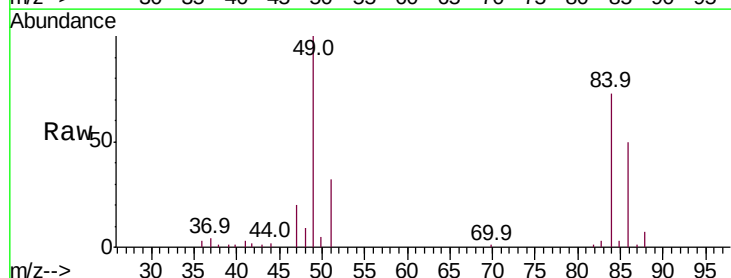
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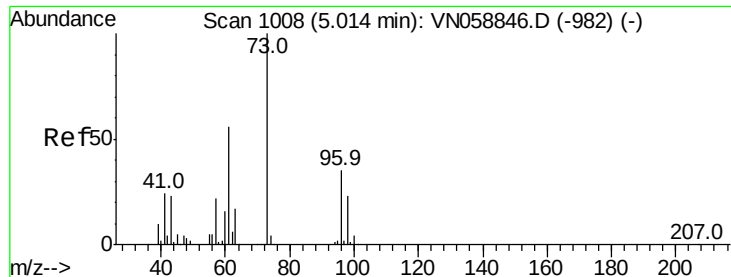
MMDadoda
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#20
Methylene Chloride
Concen: 19.556 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion: 84 Resp: 82258
Ion Ratio Lower Upper
84 100
49 136.5 109.6 164.4
51 43.3 33.8 50.6
86 68.1 51.5 77.3





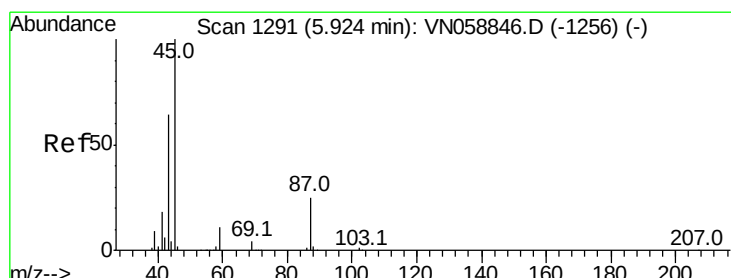
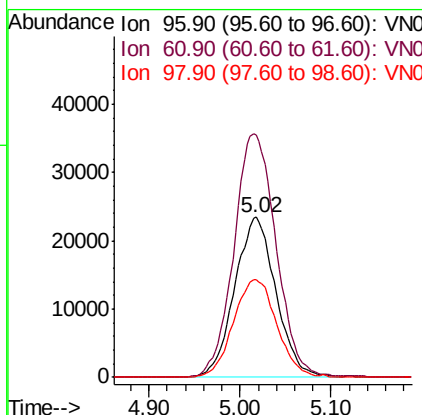
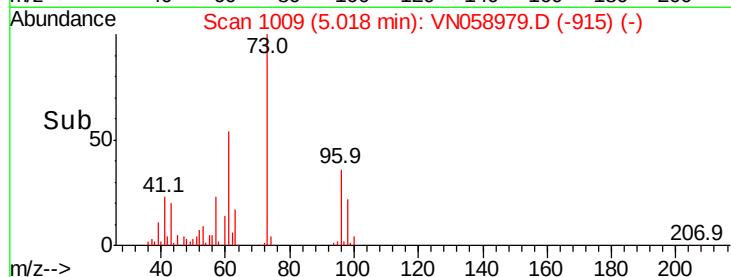
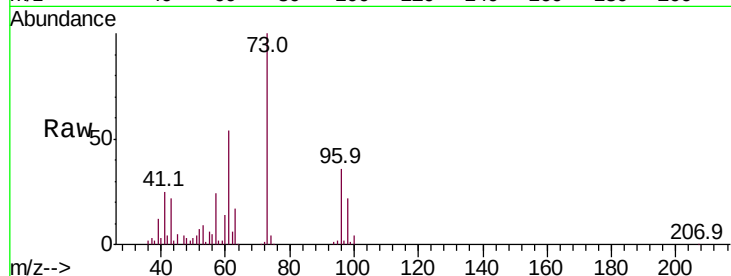
#21
trans-1,2-Dichloroethene
Concen: 19.922 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.2	126.7	190.1
98	60.6	52.0	78.0

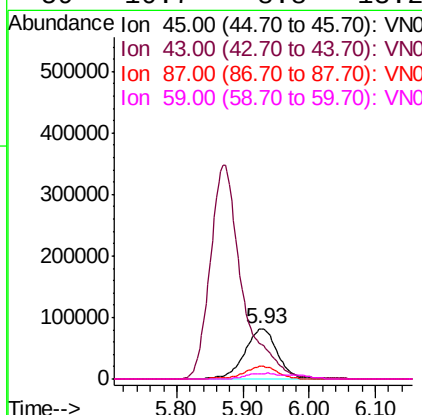
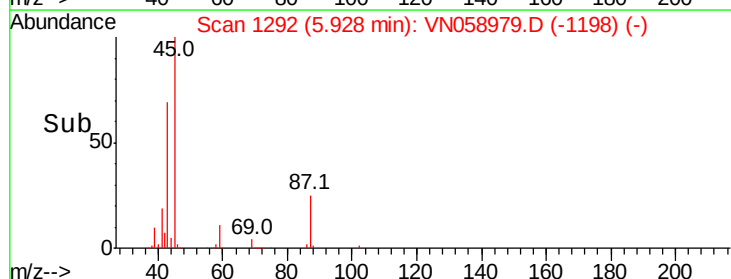
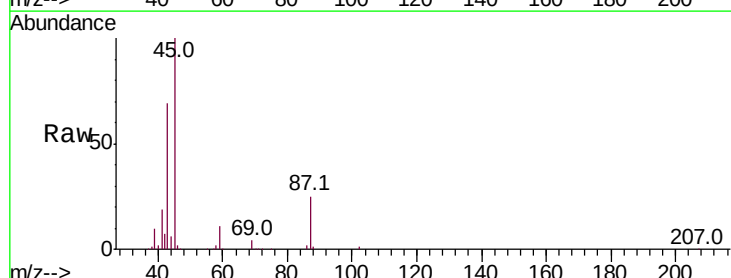
Manual Integrations
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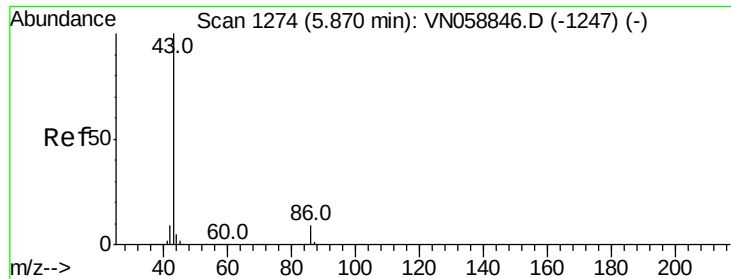
MMDadoda
10/28/2019 9:47:55 AM



#22
Diisopropyl ether
Concen: 21.074 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.0	52.9	79.3
87	25.3	20.2	30.4
59	10.7	8.8	13.2





#23

Vinyl Acetate

Concen: 109.243 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion: 43 Resp: 1164011

Ion Ratio Lower Upper

43 100

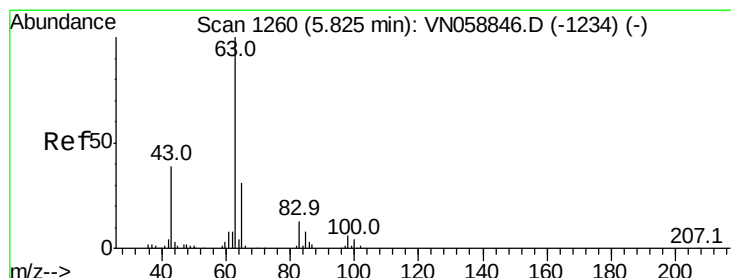
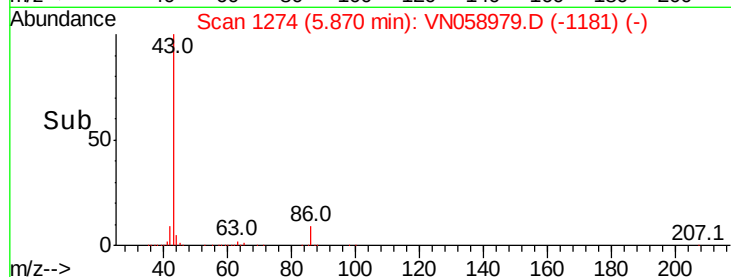
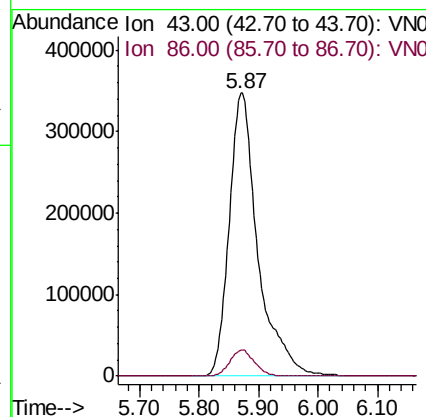
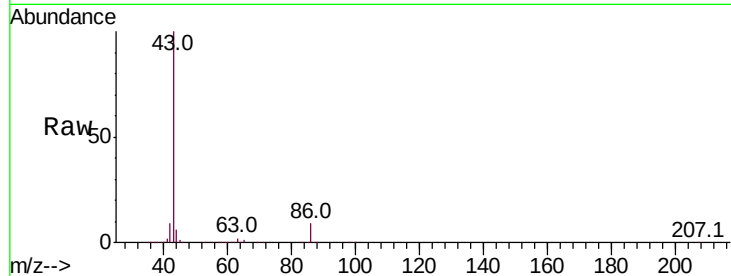
86 9.1 7.2 10.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.504 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

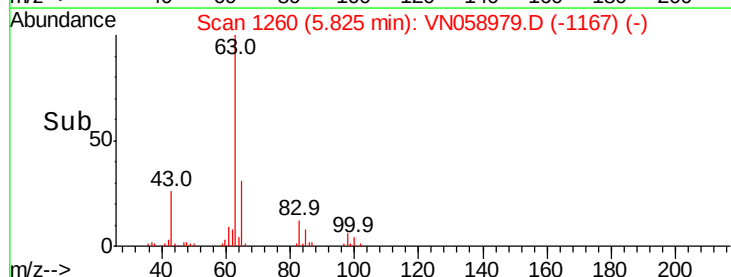
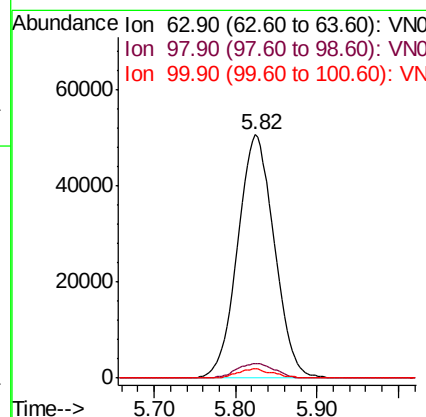
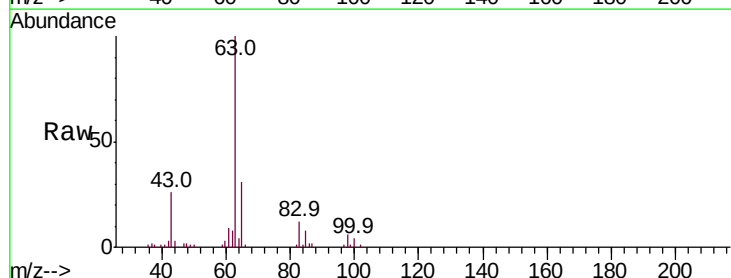
Tgt Ion: 63 Resp: 157679

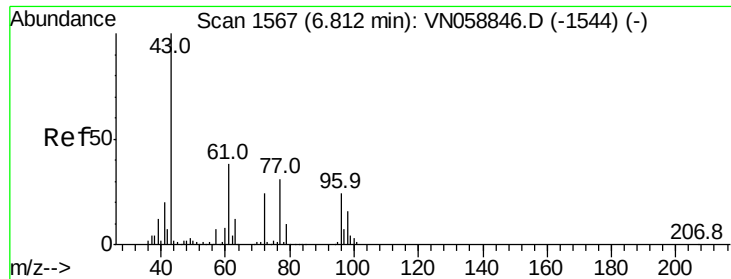
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 98.538 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion: 43 Resp: 315094

Ion Ratio Lower Upper

43 100

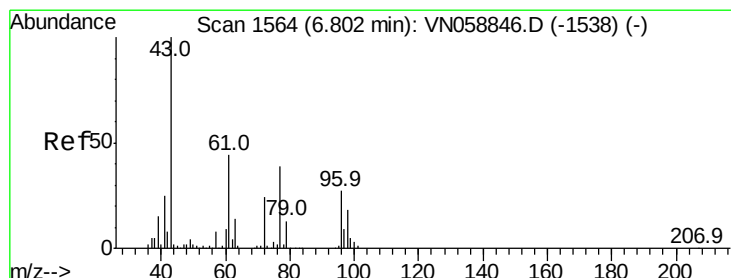
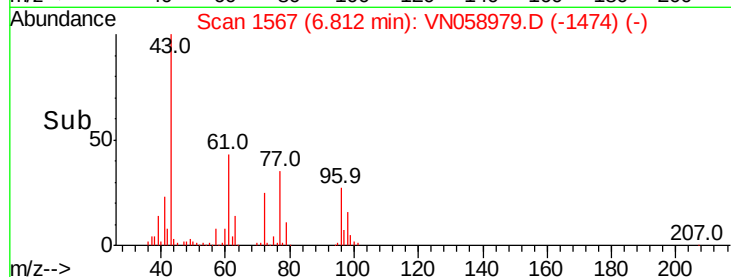
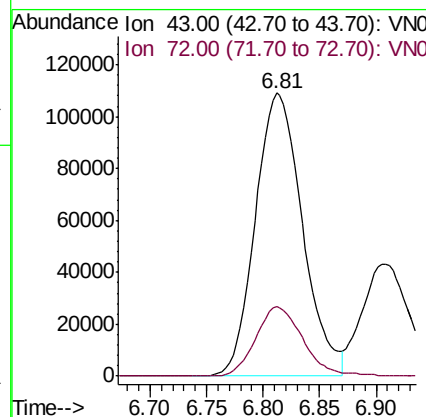
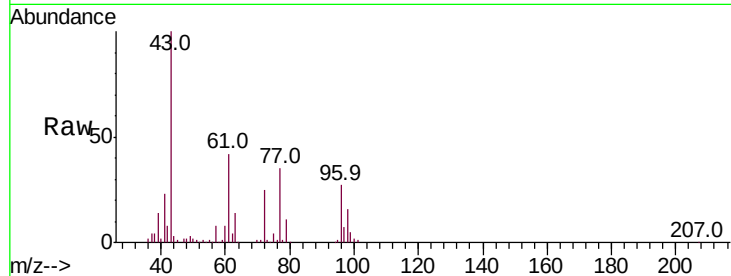
72 24.7 19.1 28.7

Manual Integrations

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MMDadoda

10/28/2019 9:47:55 AM



#26

2,2-Dichloropropane

Concen: 20.077 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058979.D

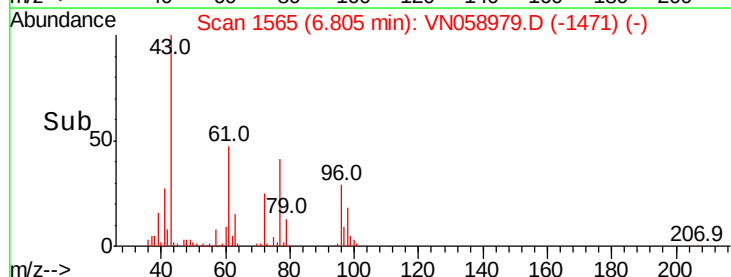
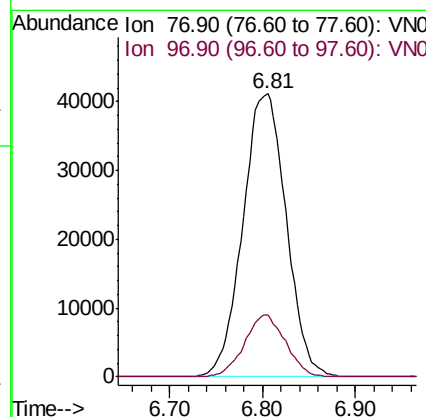
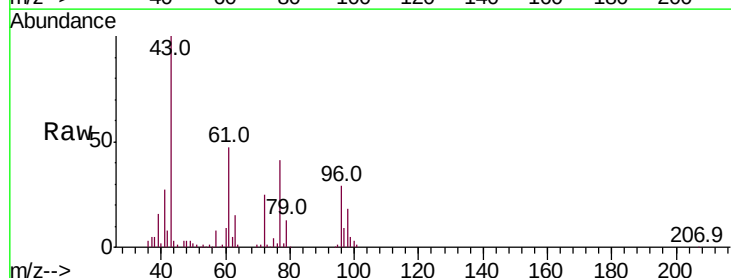
Acq: 25 Oct 2019 12:10

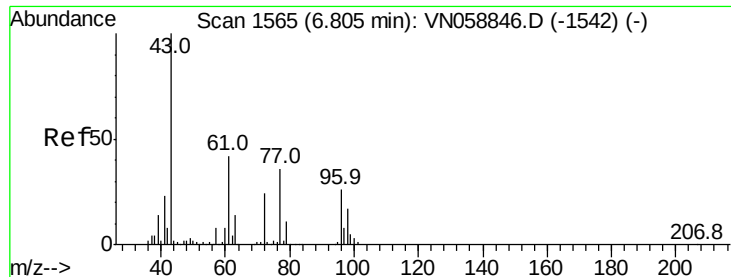
Tgt Ion: 77 Resp: 133543

Ion Ratio Lower Upper

77 100

97 20.7 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 20.417 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

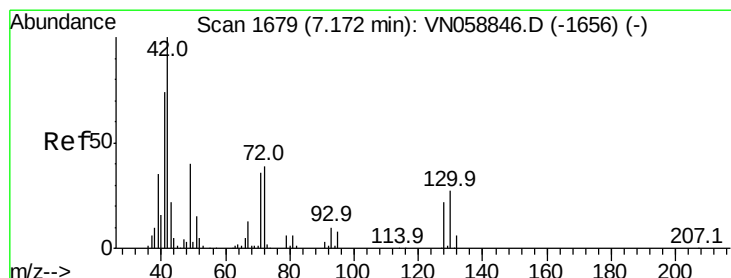
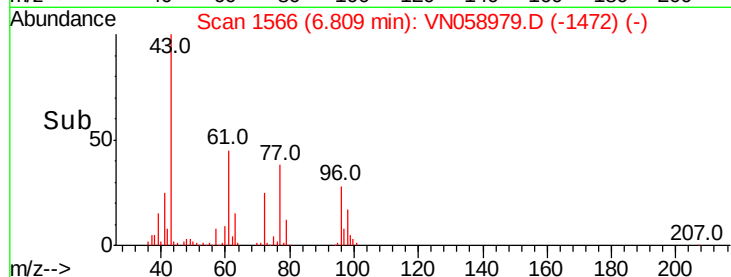
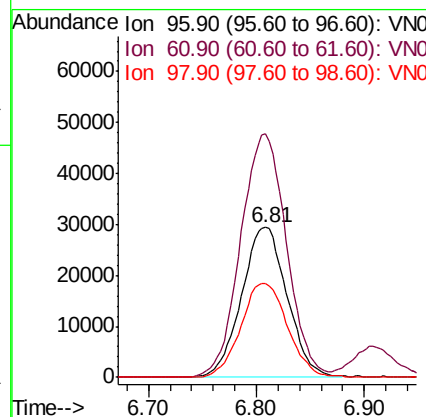
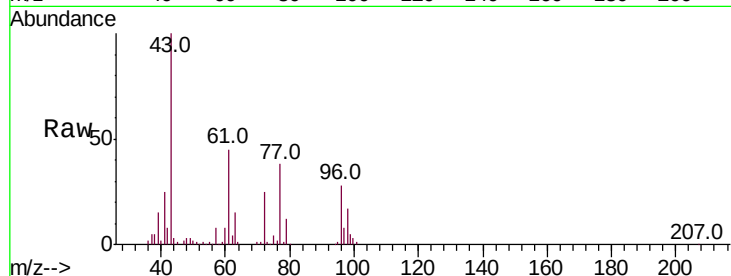
ClientSampleId :

VN1026WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.5	0.0	325.0
98	64.4	0.0	128.0

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#28

Bromochloromethane

Concen: 21.437 ug/l

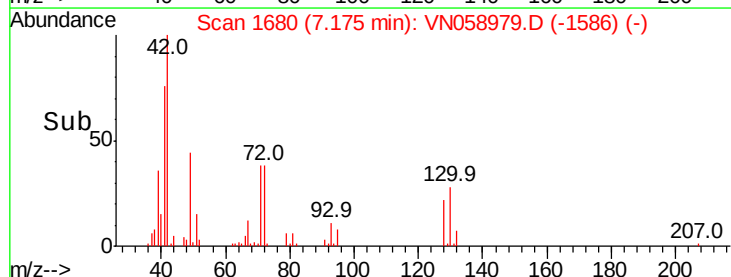
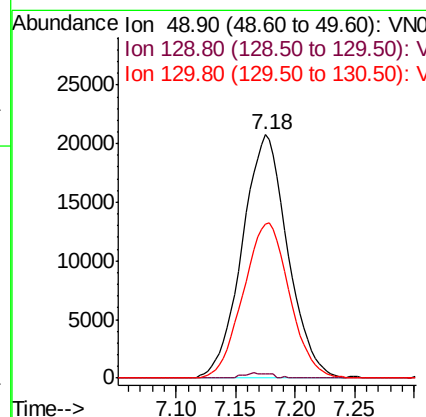
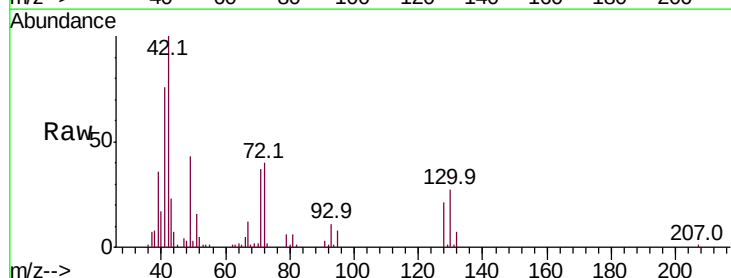
RT: 7.18 min Scan# 1680

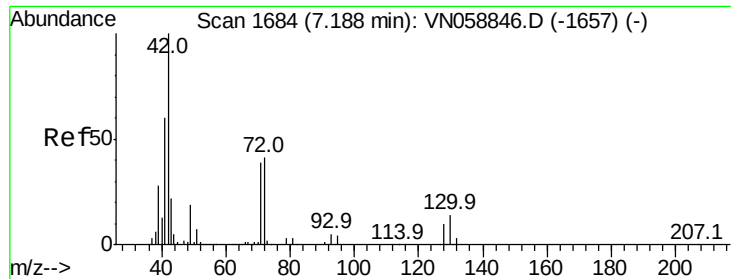
Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.2
130	64.7	53.5	80.3





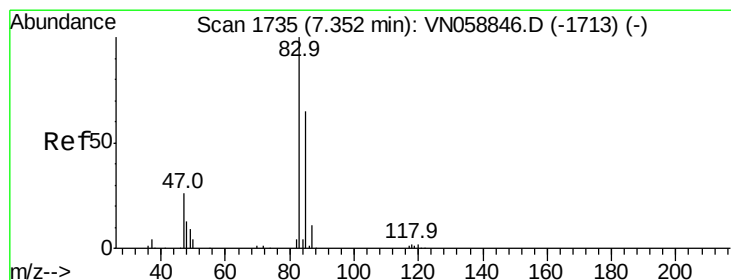
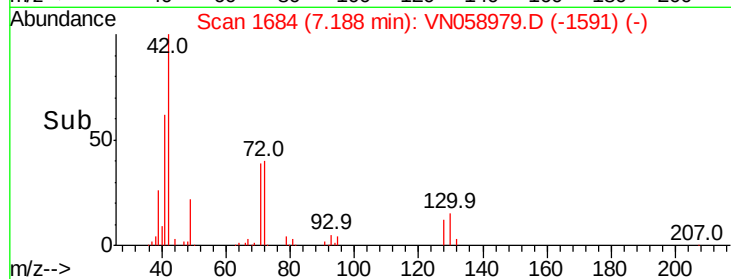
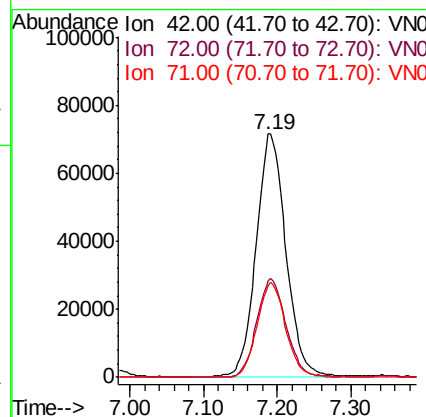
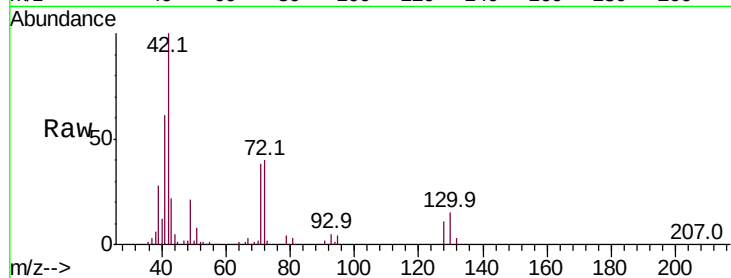
#29
Tetrahydrofuran
Concen: 103.569 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	202596		
72	39.8		32.2	48.2
71	37.0		30.6	45.8

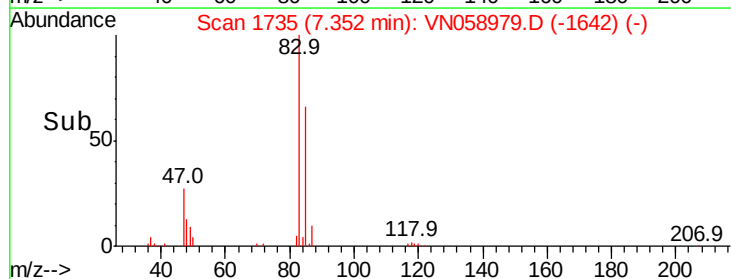
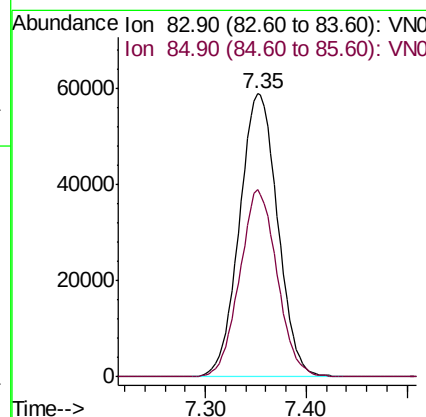
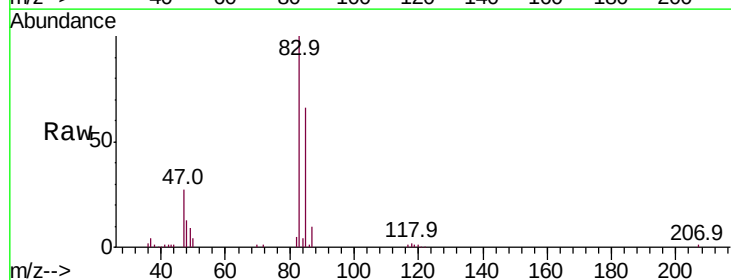
Manual Integrations
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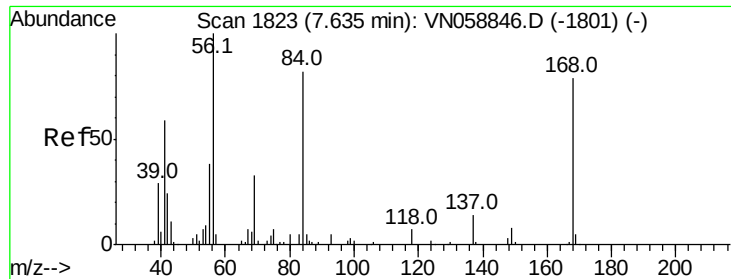
MMDadoda
10/28/2019 9:47:55 AM



#30
Chloroform
Concen: 20.018 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	154417		
85	66.1		51.9	77.9





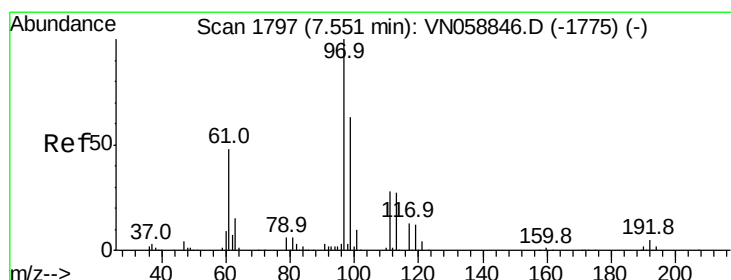
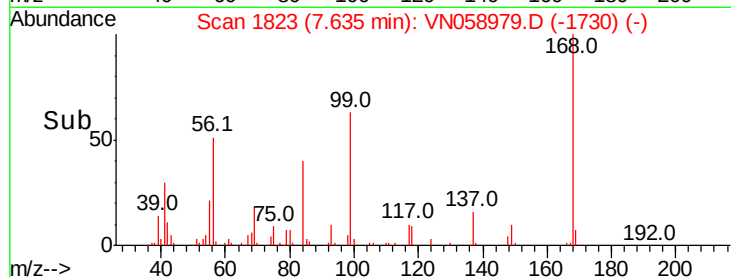
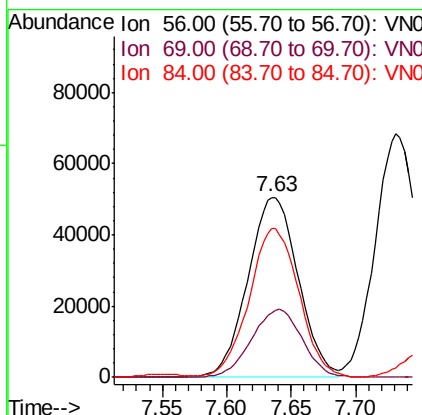
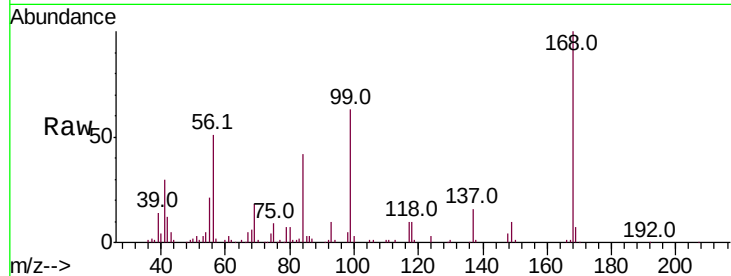
#31
Cyclohexane
Concen: 19.187 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.8	26.2	39.4
84	81.7	65.6	98.4

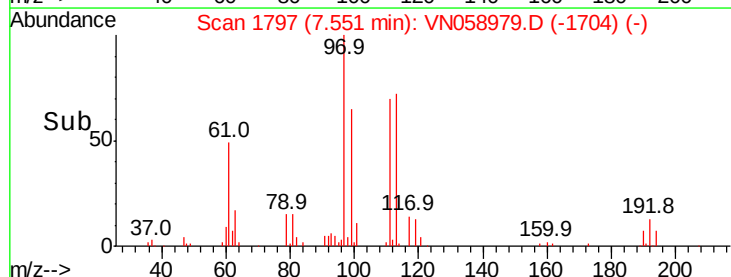
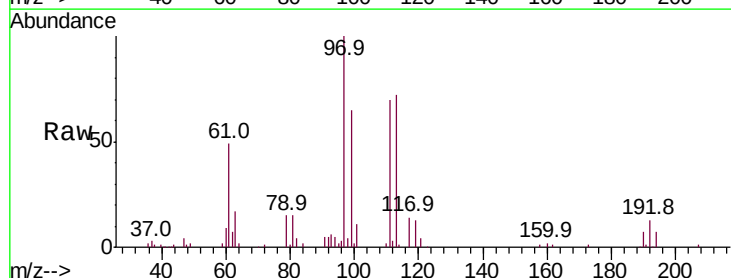
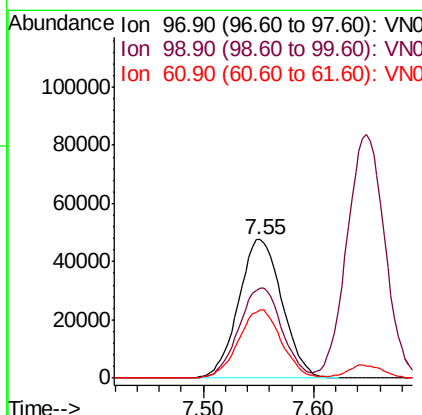
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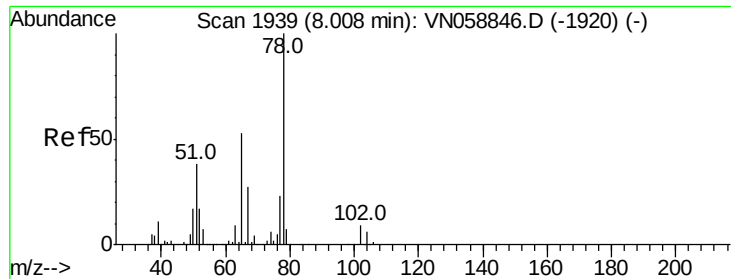
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.013 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.4
61	48.8	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 50.189 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058979.D

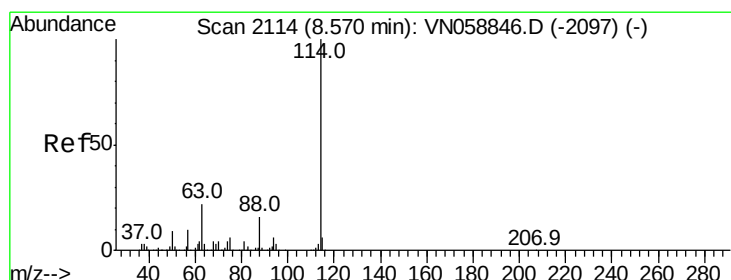
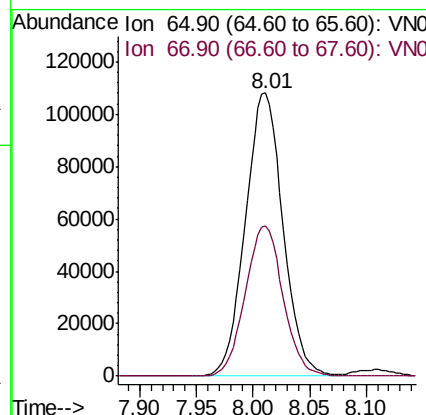
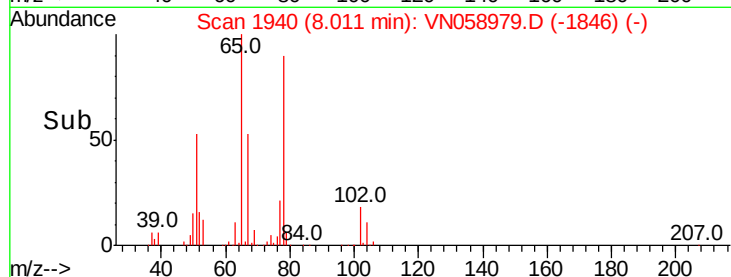
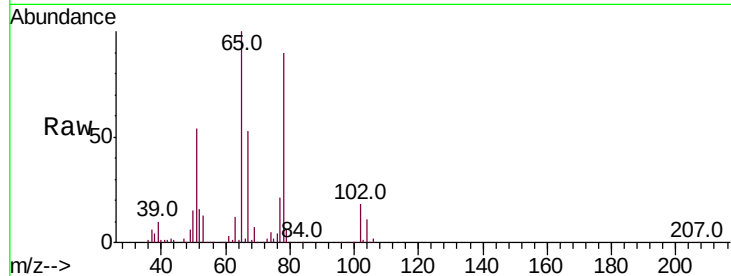
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	250201		
67	53.3	0.0	103.2	

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

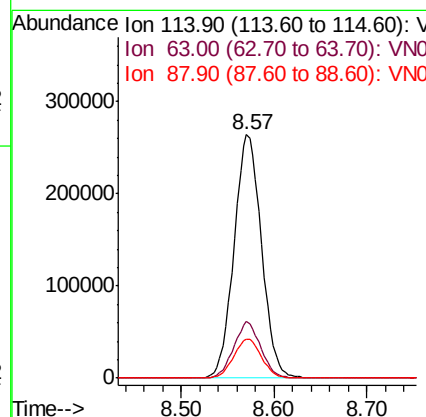
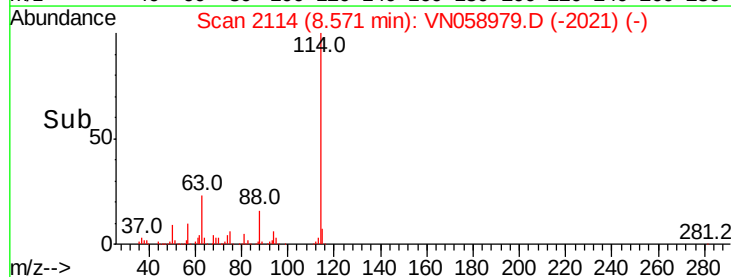
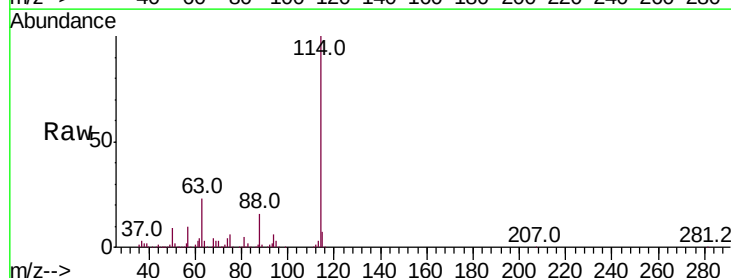
RT: 8.57 min Scan# 2114

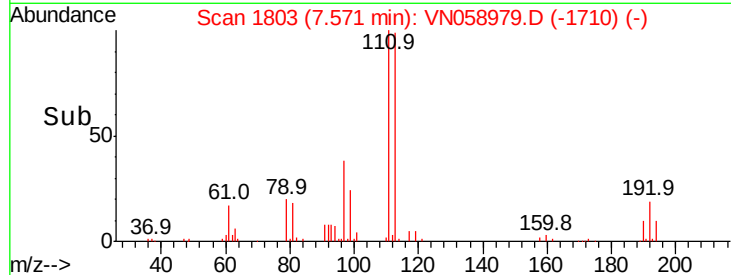
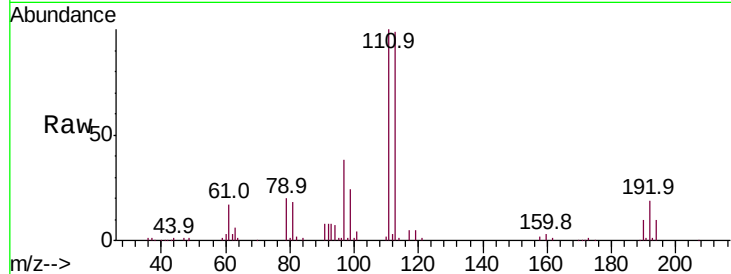
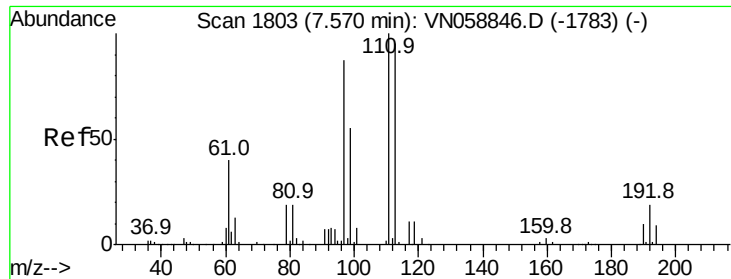
Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	541249		
63	23.1	0.0	44.4	
88	16.1	0.0	31.4	





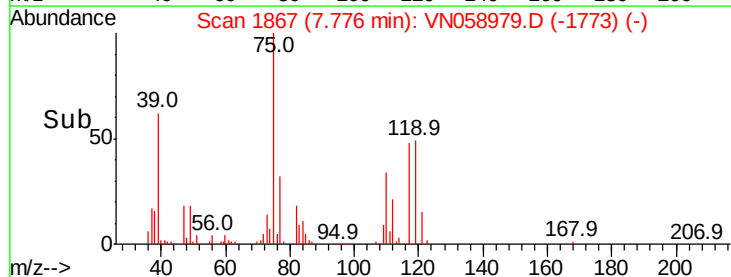
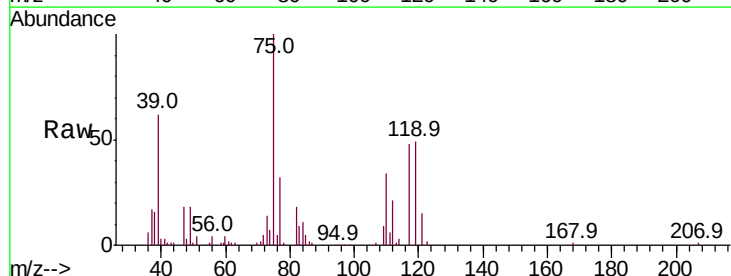
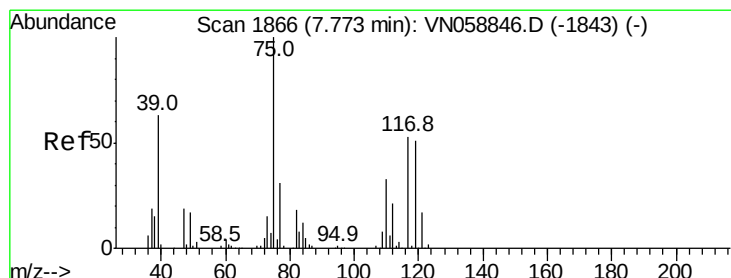
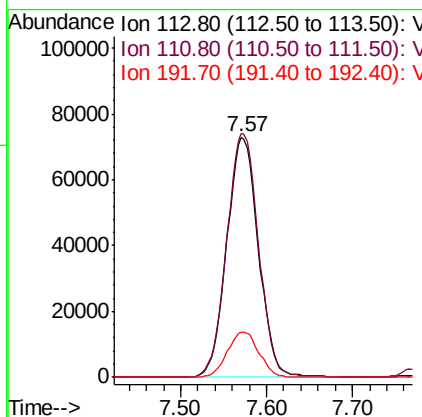
#35
Dibromofluoromethane
Concen: 52.268 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tot Ion	Ratio	Resp	Lower	Upper
113	100	186001		
111	102.4	82.0	123.0	
192	18.8	15.0	22.6	

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

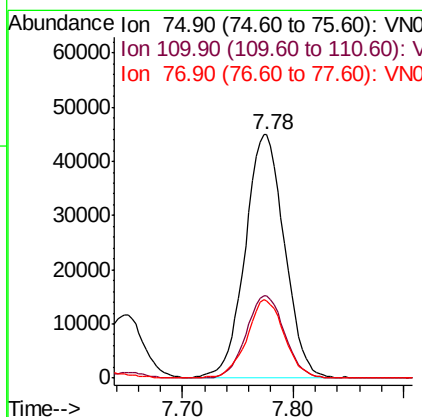
Manual Integrations
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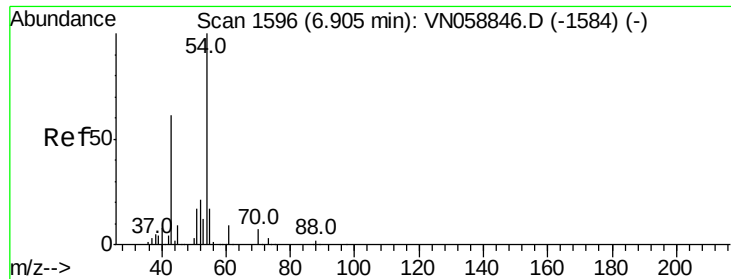
MMDadoda
10/28/2019 9:47:55 AM



#36
1,1-Dichloropropene
Concen: 20.030 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	110991		
110	32.9	16.3	48.9	
77	30.8	24.6	36.8	





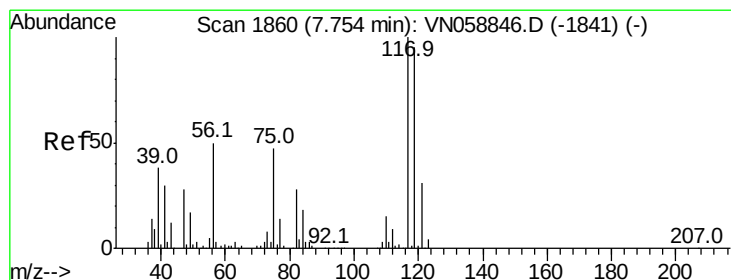
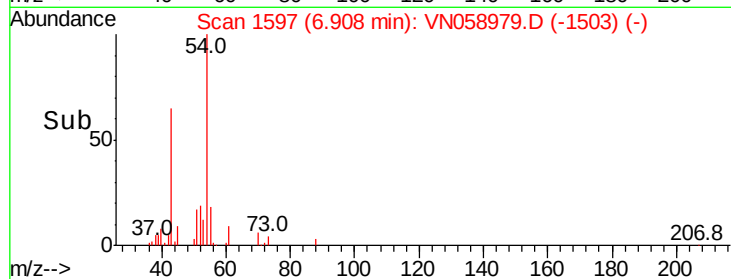
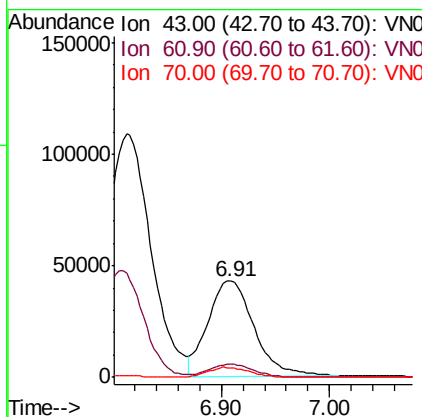
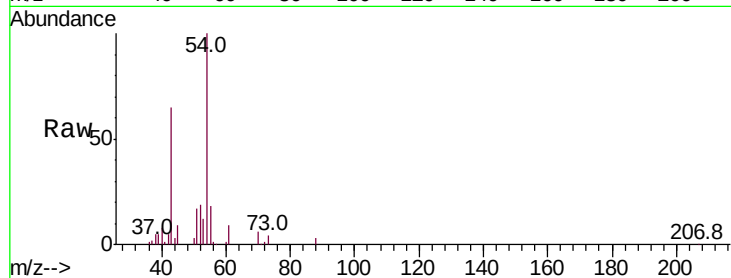
#37
Ethyl Acetate
Concen: 20.902 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampled :
VN1026WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.5	15.7
70	9.8	7.6	11.4

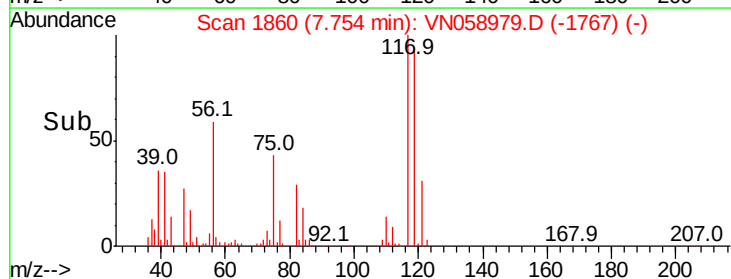
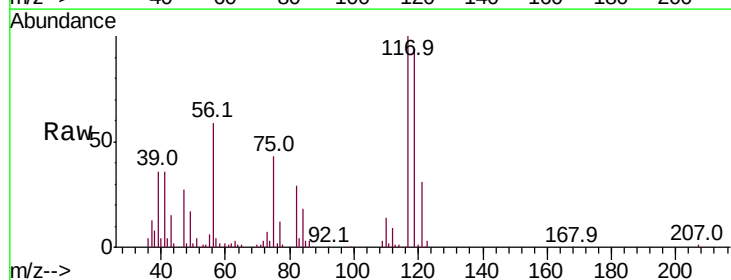
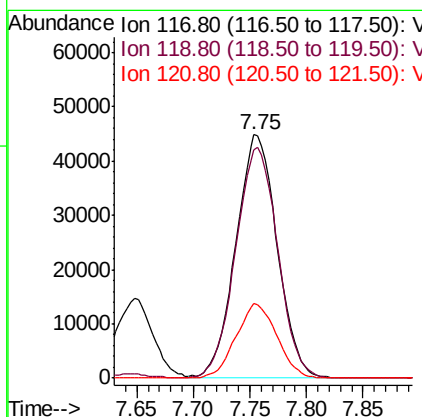
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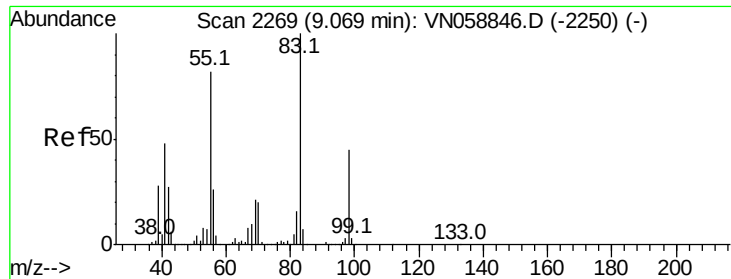
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#38
Carbon Tetrachloride
Concen: 19.963 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.7	113.5
121	30.6	25.0	37.6





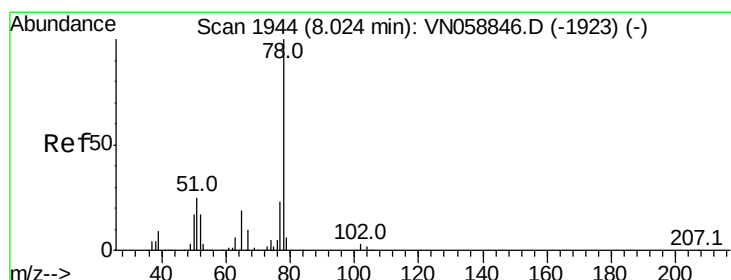
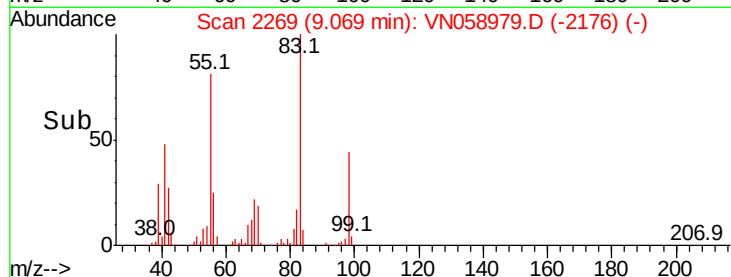
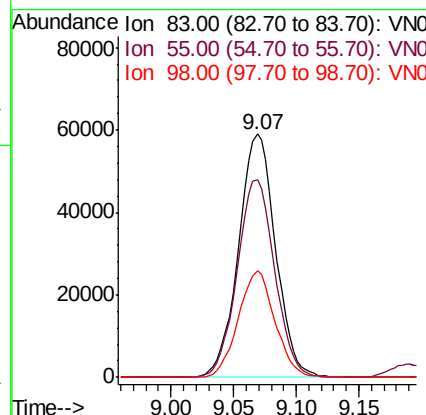
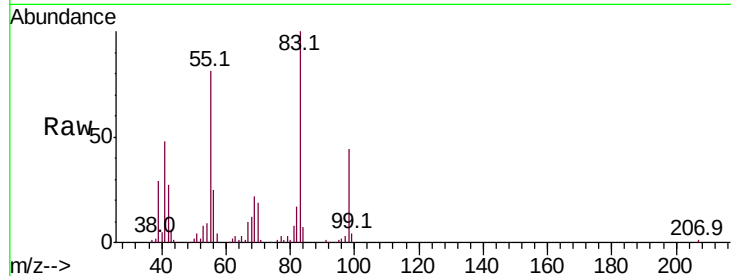
#39
Methylvlcyclohexane
Concen: 19.436 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.1	65.5	98.3	
98	43.6	35.7	53.5	

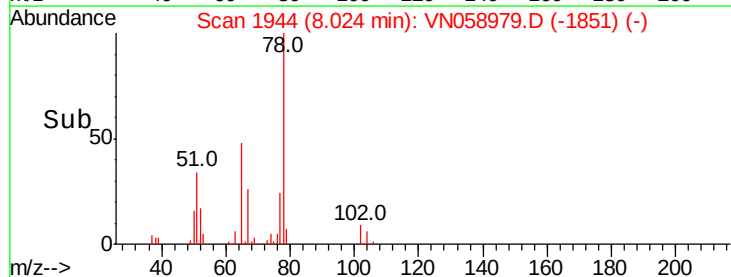
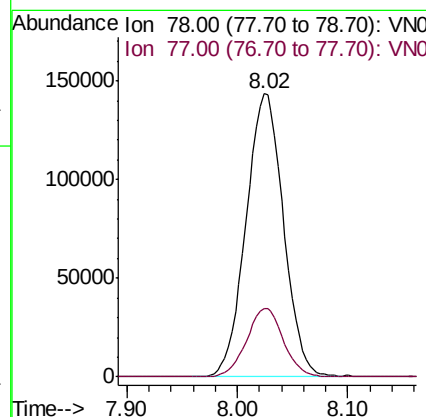
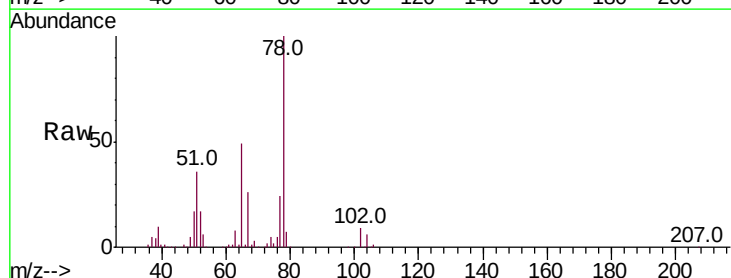
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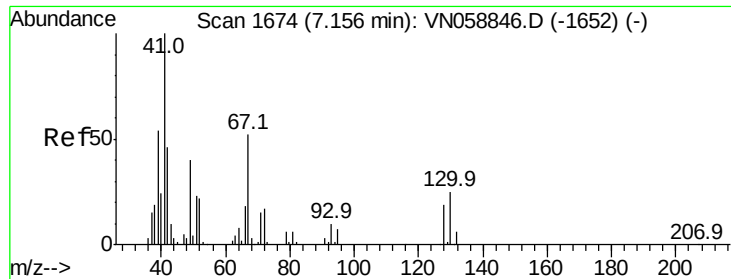
MMDadoda
10/28/2019 9:47:55 AM



#40
Benzene
Concen: 20.763 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.2	18.2	27.2	





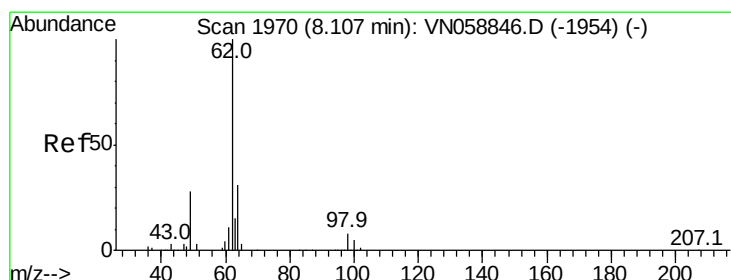
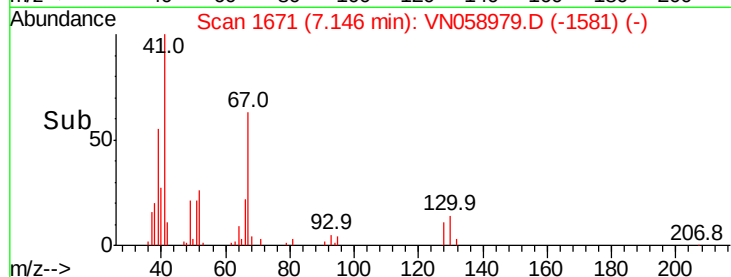
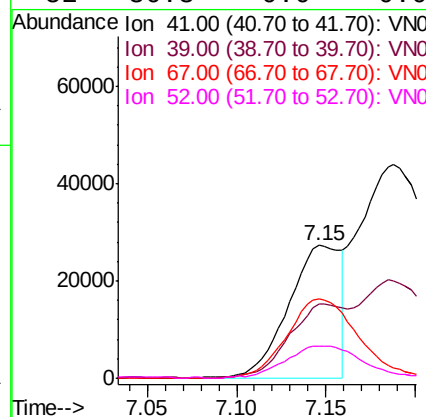
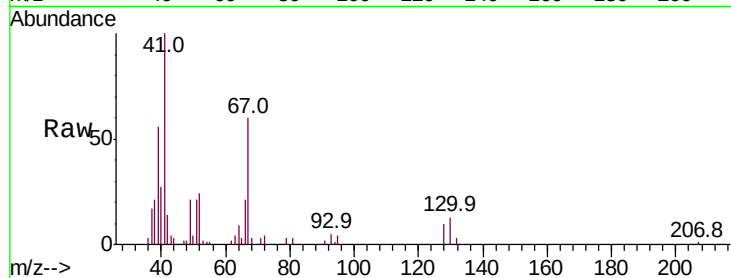
#41
Methacrylonitrile
Concen: 20.759 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.8	0.0	0.0#
67	82.4	0.0	0.0#
52	36.3	0.0	0.0#

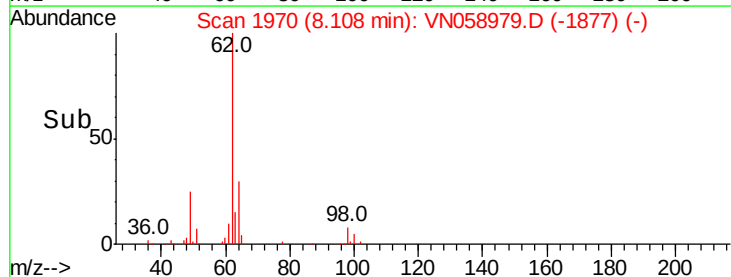
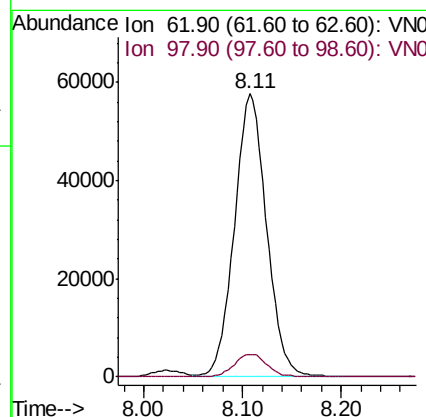
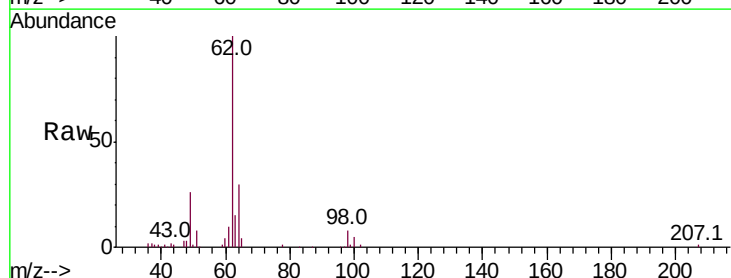
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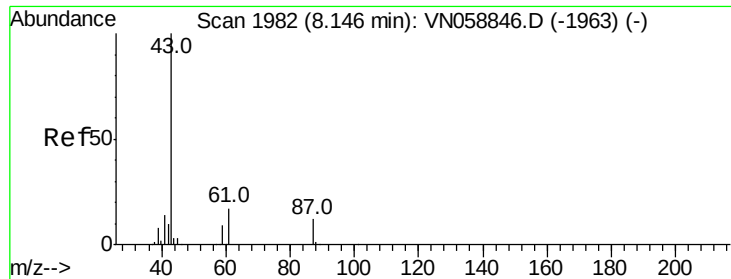
MMDadoda
10/28/2019 9:47:55 AM



#42
1,2-Dichloroethane
Concen: 20.887 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.2





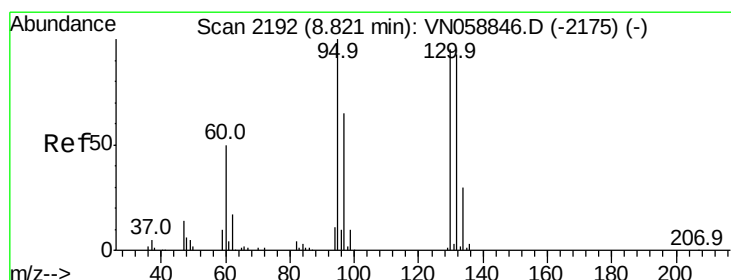
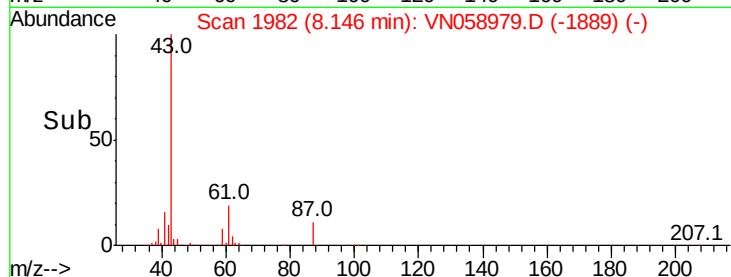
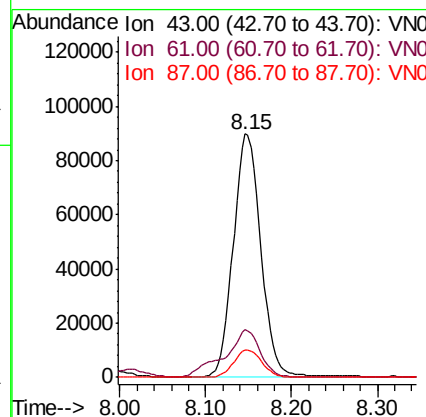
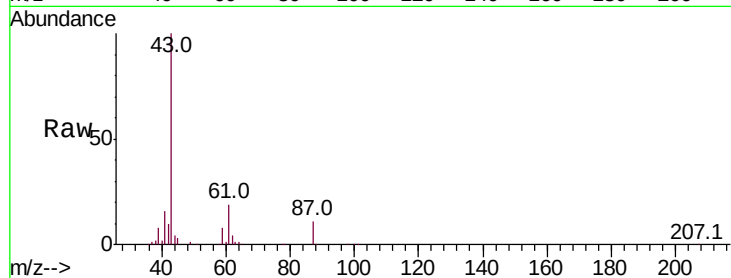
#43
Isopropyl Acetate
Concen: 20.746 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.2	30.2
87	11.5	9.5	14.3

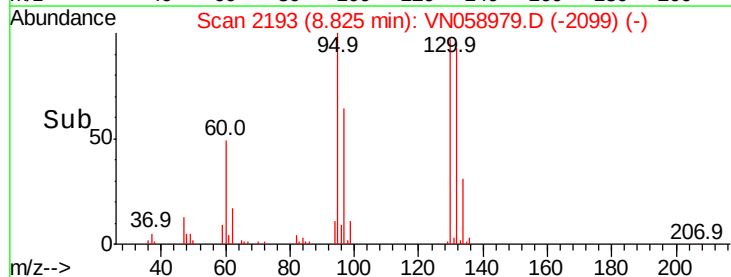
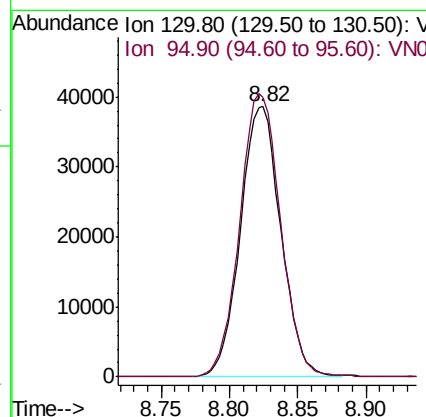
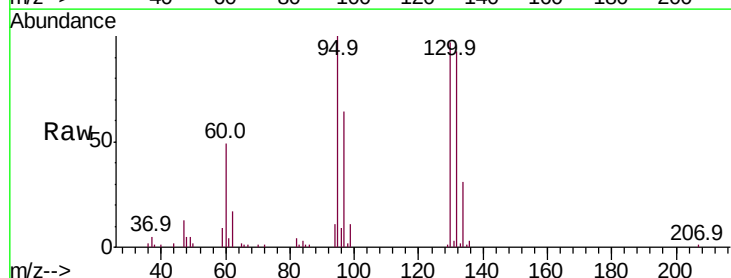
Manual Integrations
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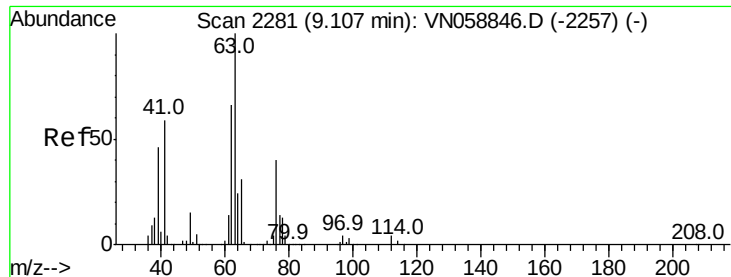
MMDadoda
10/28/2019 9:47:55 AM



#44
Trichloroethene
Concen: 20.087 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	209.6





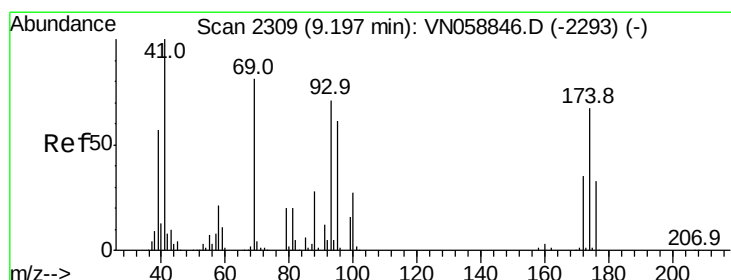
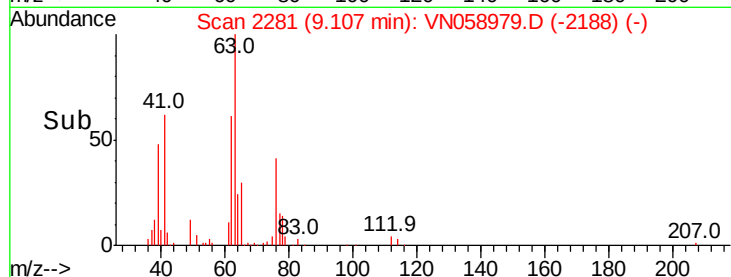
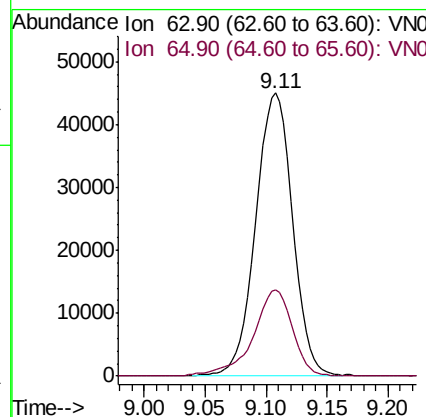
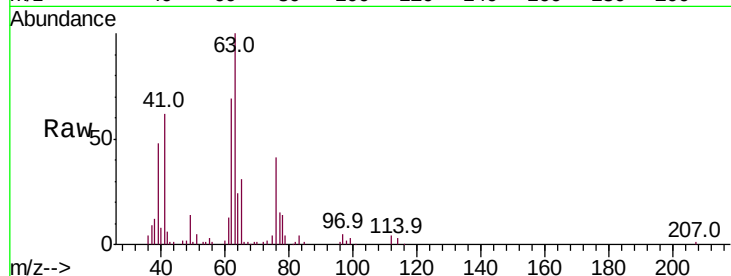
#45
 1,2-Dichloropropane
 Concen: 21.146 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.5	36.7

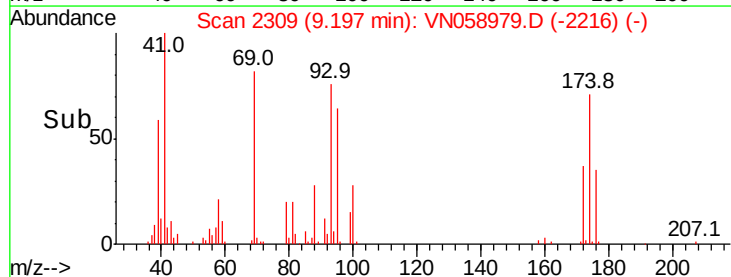
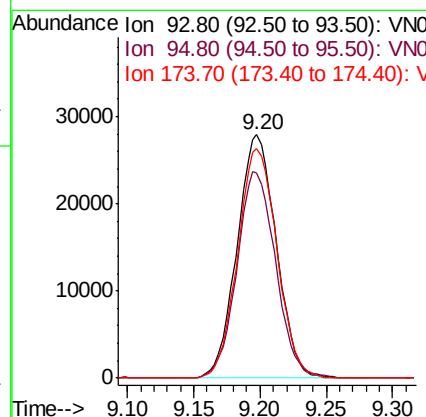
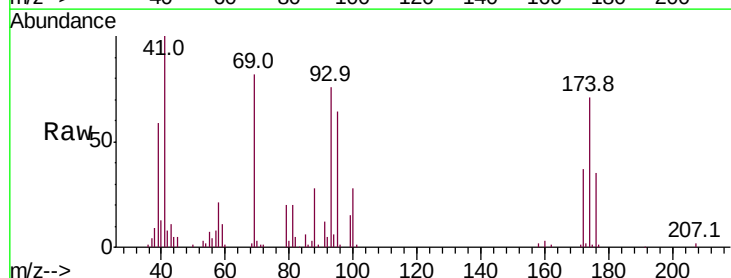
Manual Integrations
 APPROVED

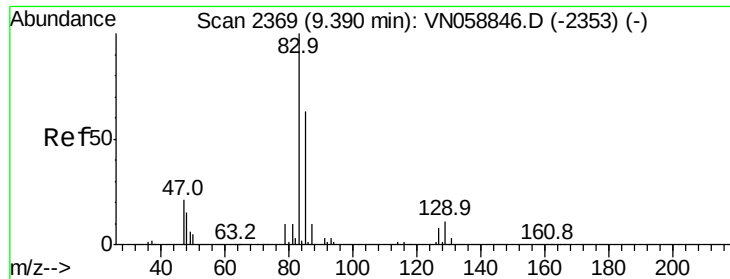
MMDadoda
 10/28/2019 9:47:55 AM



#46
 Dibromomethane
 Concen: 20.303 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	67.6	101.4
174	94.3	74.1	111.1





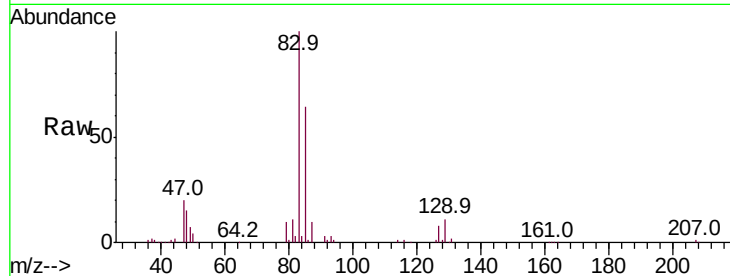
#47
Bromodichloromethane
Concen: 20.616 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.4	50.6	75.8	
127	8.4	6.5	9.7	

Manual Integrations
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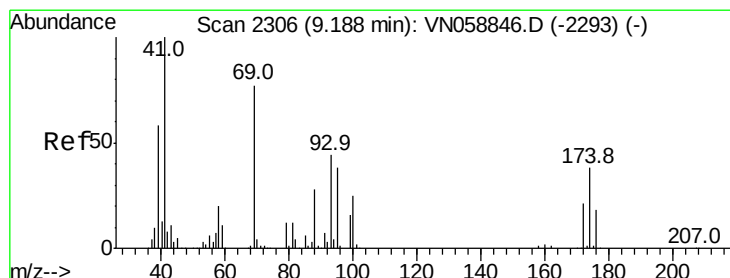
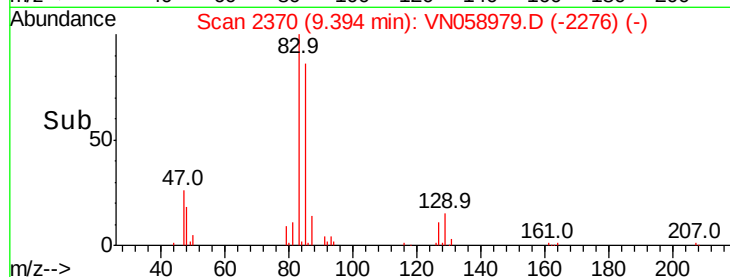
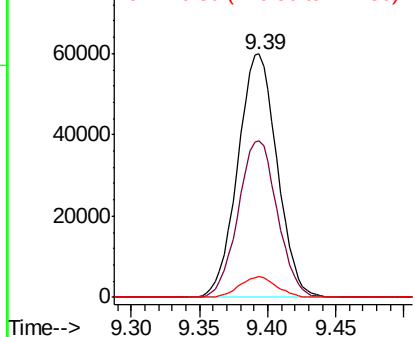
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN058846.D (-2353) (-)

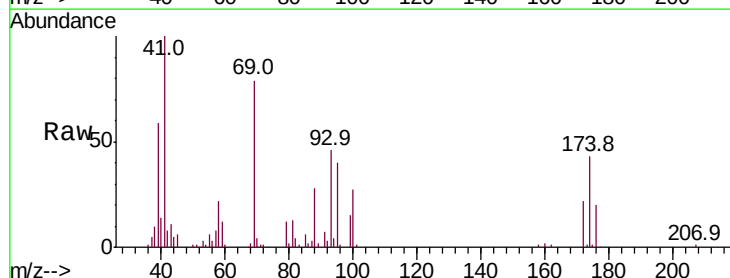
Ion 84.90 (84.60 to 85.60): VN058846.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN058846.D (-2353) (-)



#48
Methyl methacrylate
Concen: 20.537 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

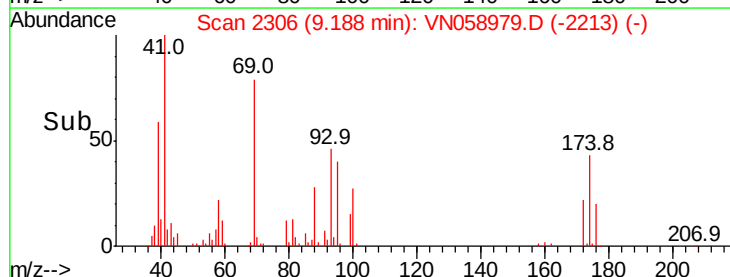
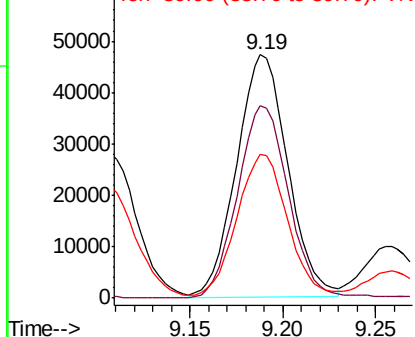
Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	79.8	63.8	95.6	
39	59.1	47.8	71.8	

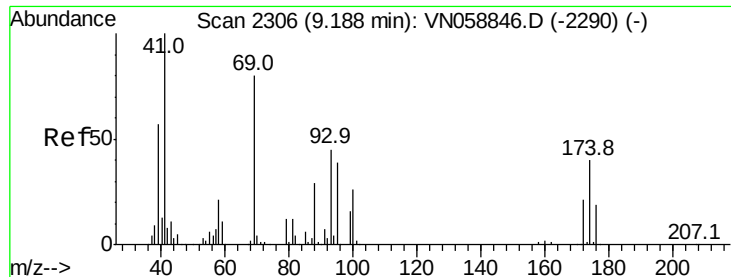


Abundance Ion 41.00 (40.70 to 41.70): VN058846.D (-2293) (-)

Ion 69.00 (68.70 to 69.70): VN058846.D (-2293) (-)

Ion 39.00 (38.70 to 39.70): VN058846.D (-2293) (-)





#49

1,4-Dioxane

Concen: 381.694 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

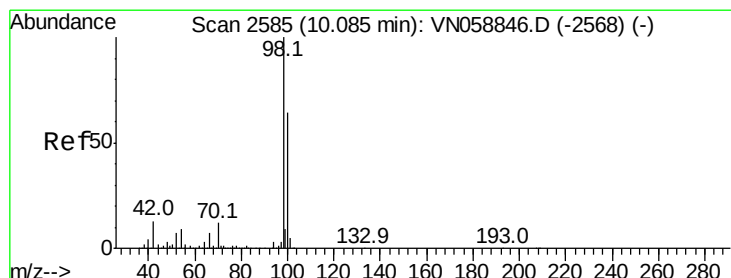
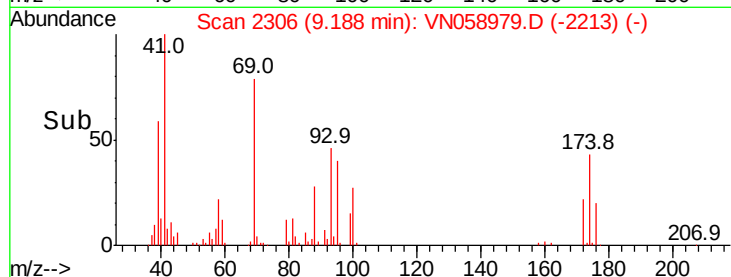
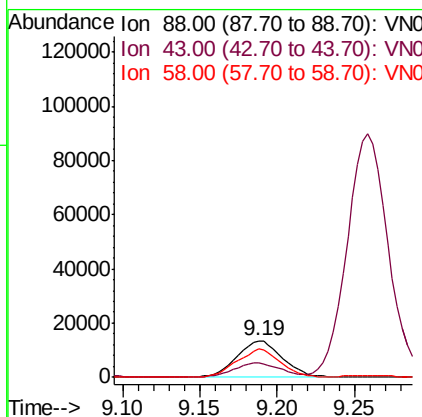
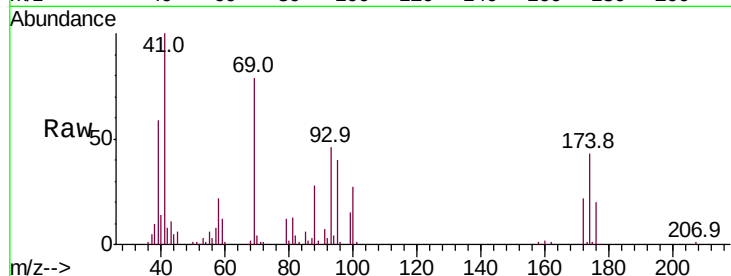
ClientSampleId :

VN1026WBS01

Tot Ion:	88	Resp:	27528
Ion	Ratio	Lower	Upper
88	100		
43	41.3	29.1	43.7
58	74.6	59.4	89.0

Manual Integrations
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#50

Toluene-d8

Concen: 50.774 ug/l

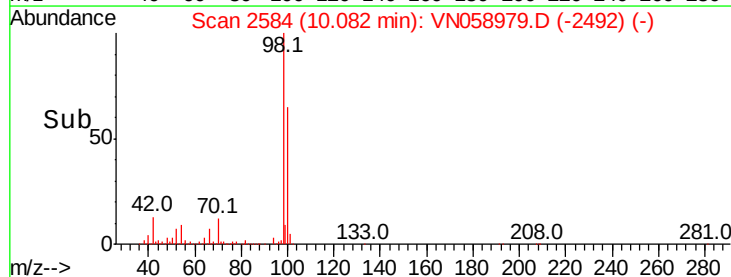
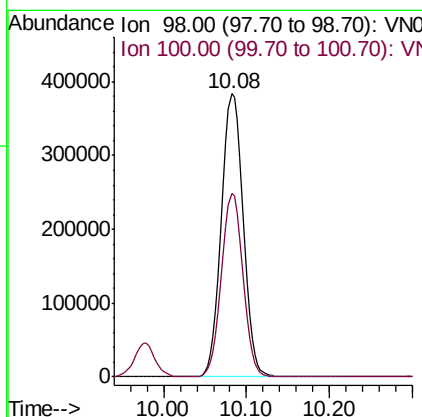
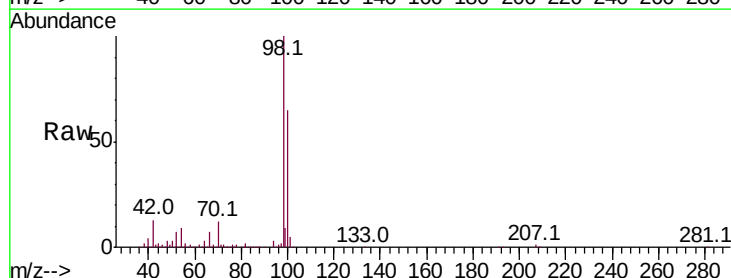
RT: 10.08 min Scan# 2584

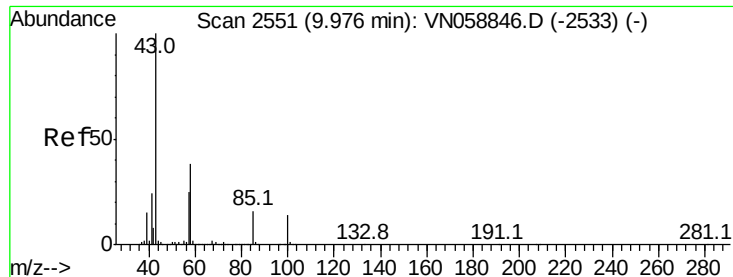
Delta R.T. -0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Tgt Ion:	98	Resp:	701388
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 112.215 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion: 43 Resp: 634688

Ion Ratio Lower Upper

43 100

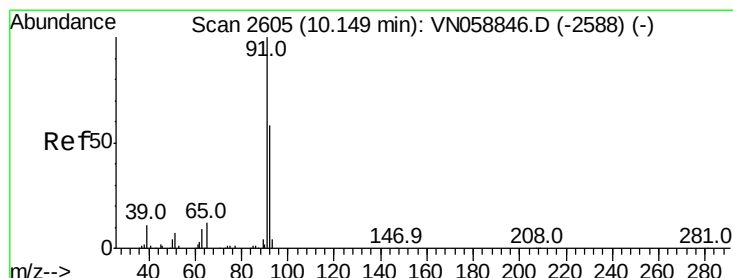
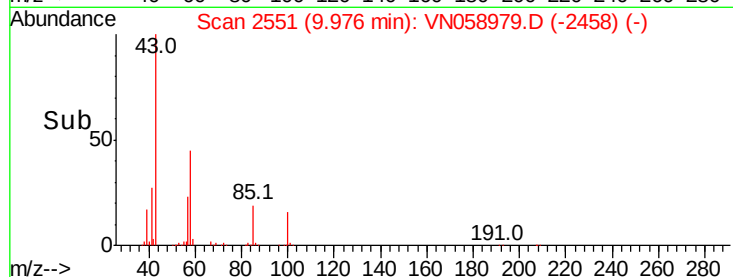
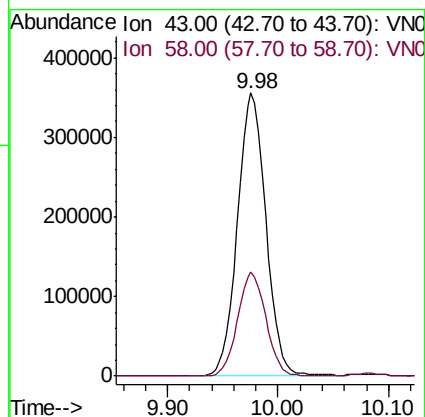
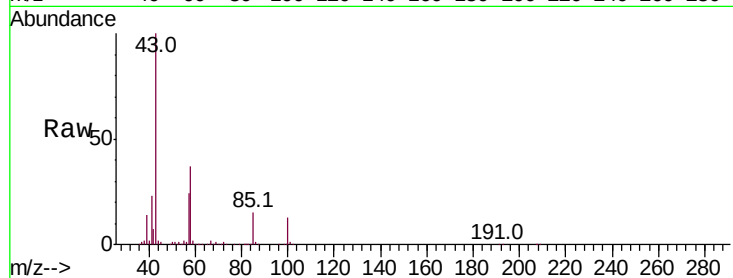
58 36.6 29.9 44.9

Manual Integrations

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#52

Toluene

Concen: 21.277 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058979.D

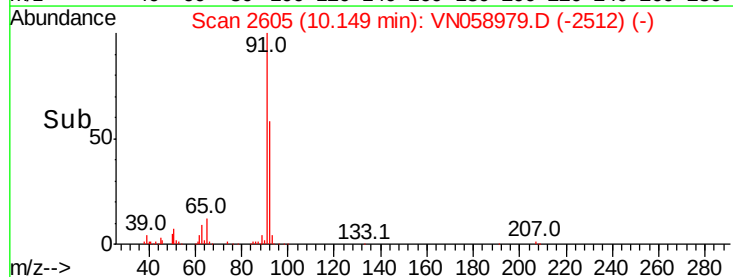
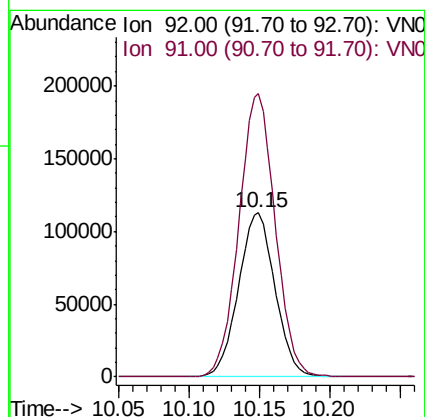
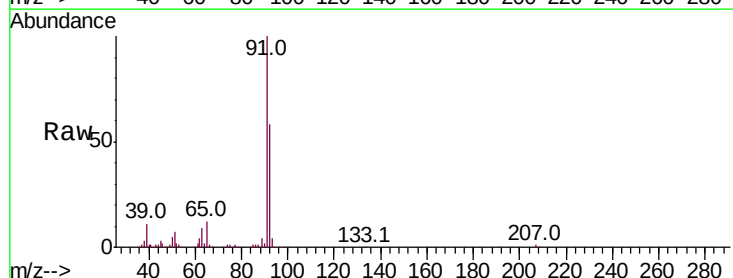
Acq: 25 Oct 2019 12:10

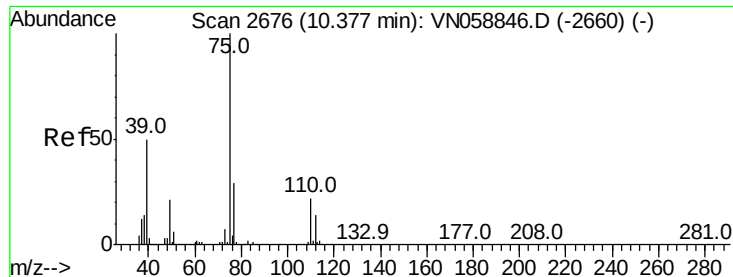
Tgt Ion: 92 Resp: 205312

Ion Ratio Lower Upper

92 100

91 171.4 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 20.545 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion: 75 Resp: 132226

Ion Ratio Lower Upper

75 100

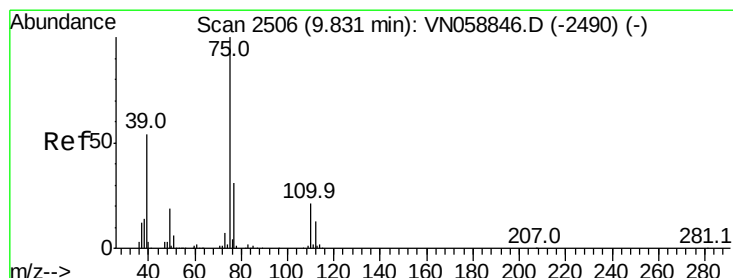
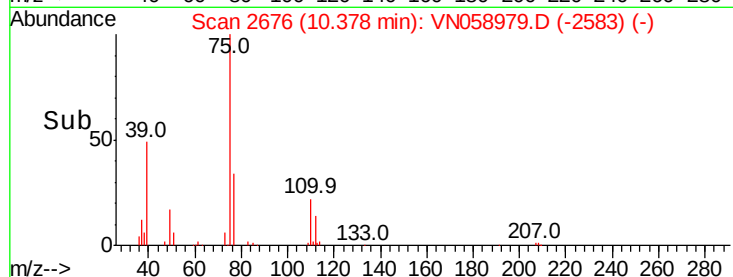
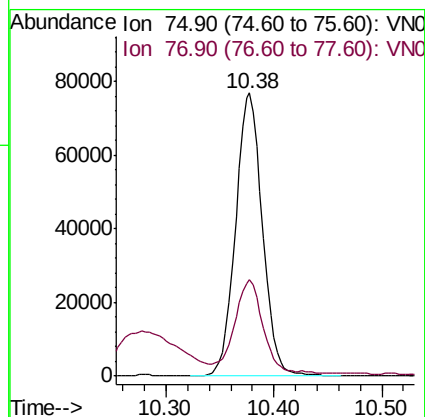
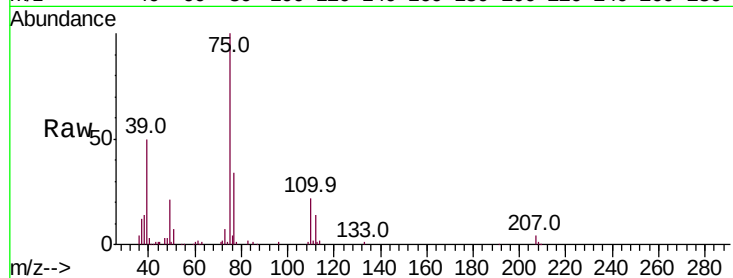
77 32.9 25.7 38.5

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.622 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

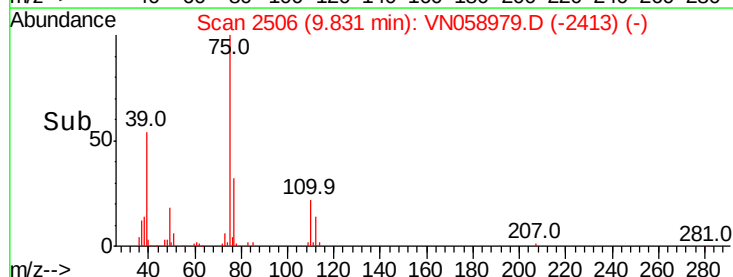
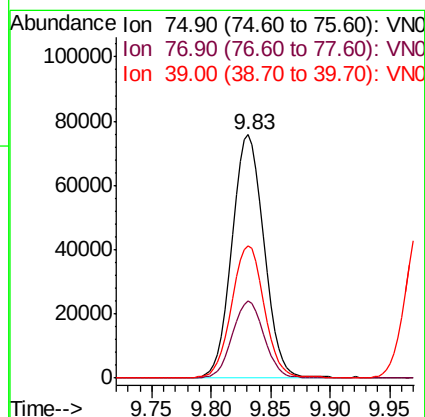
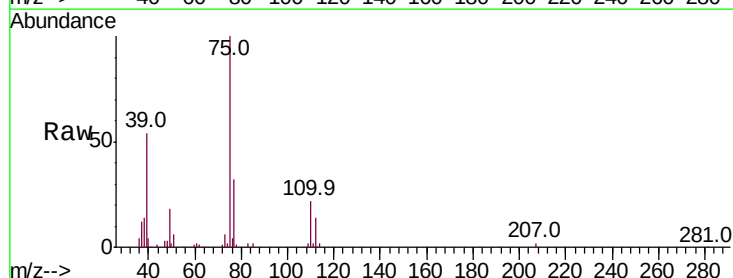
Tgt Ion: 75 Resp: 141799

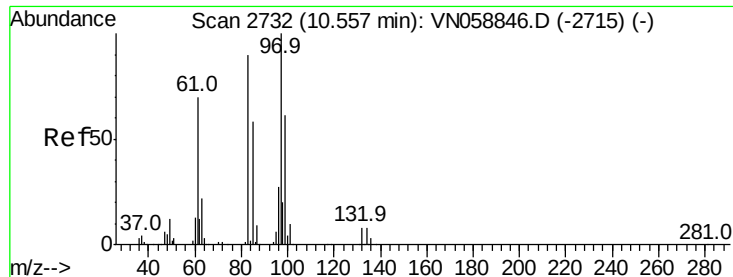
Ion Ratio Lower Upper

75 100

77 31.5 24.7 37.1

39 54.5 43.5 65.3





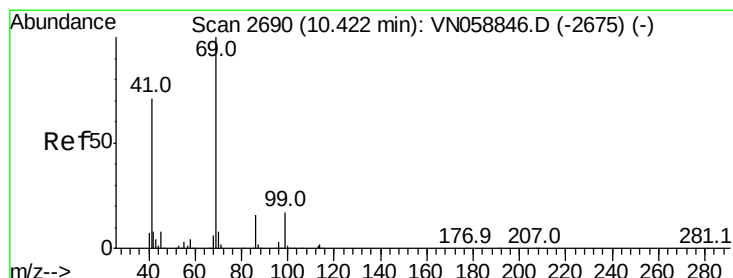
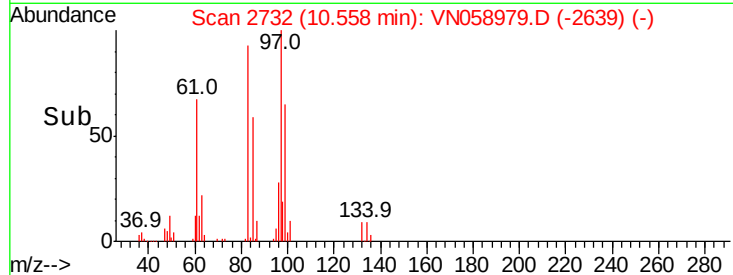
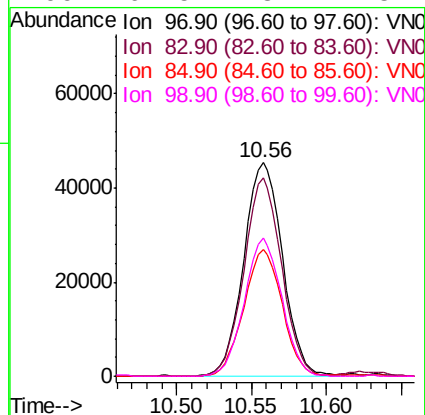
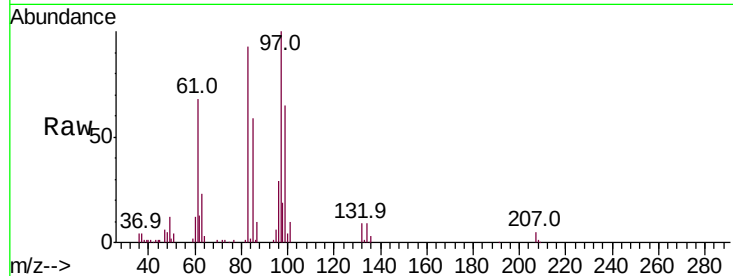
#55
 1,1,2-Trichloroethane
 Concen: 20.666 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	92.8	72.2	108.4
85	59.2	46.2	69.2
99	64.5	48.7	73.1

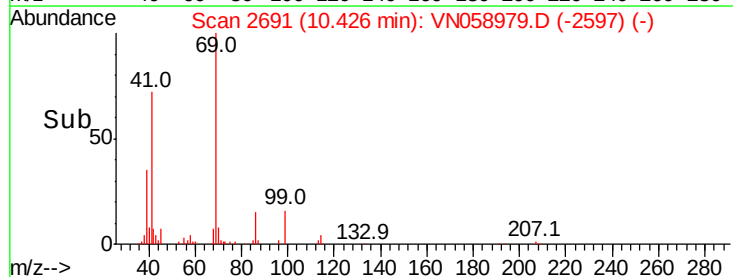
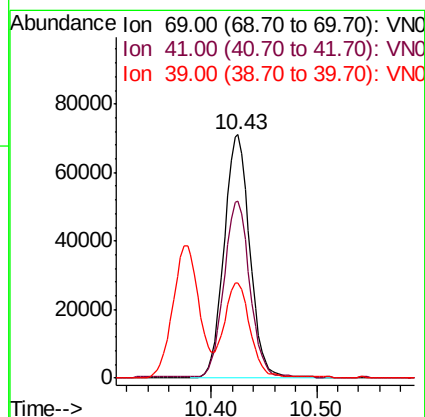
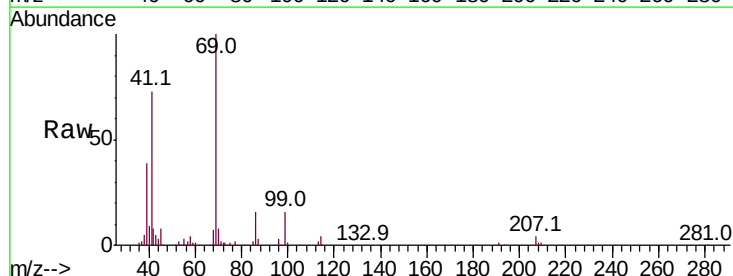
Manual Integrations
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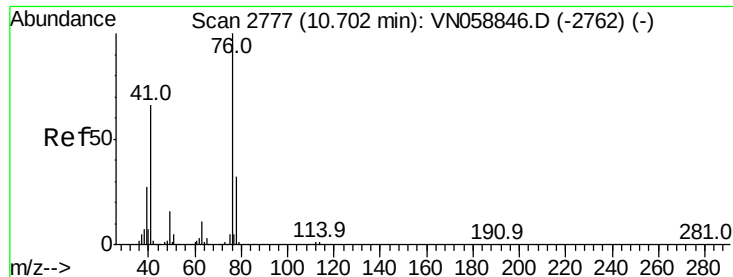
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 10/28/2019 9:47:55 AM



#56
 Ethyl methacrylate
 Concen: 19.312 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.5	57.2	85.8
39	39.1	31.0	46.4





#57

1,3-Dichloropropane

Concen: 20.838 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion: 76 Resp: 145385

Ion Ratio Lower Upper

76 100

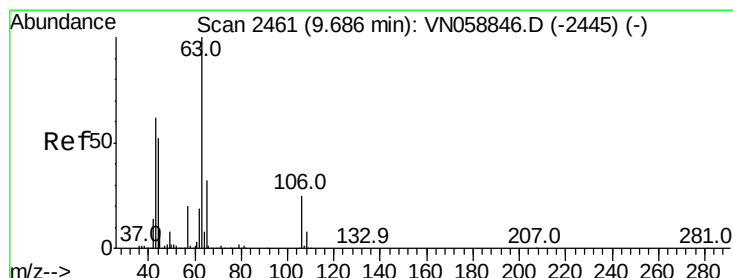
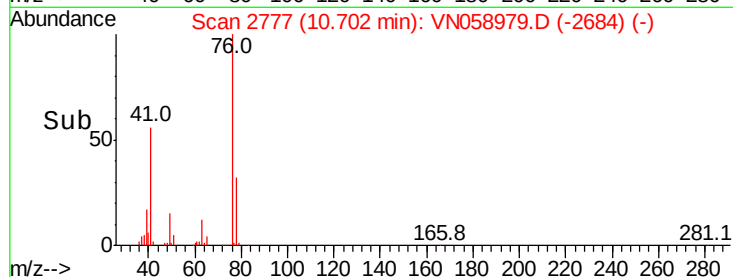
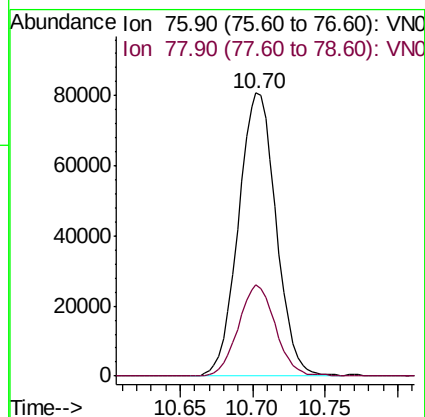
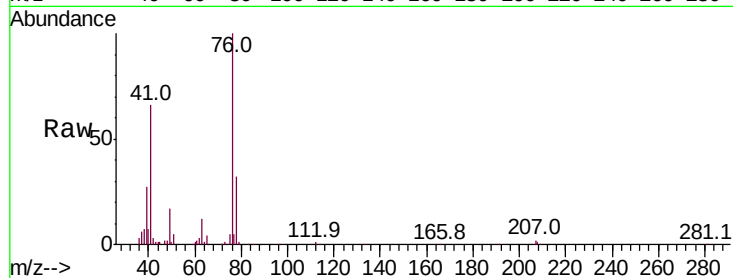
78 31.8 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 96.532 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058979.D

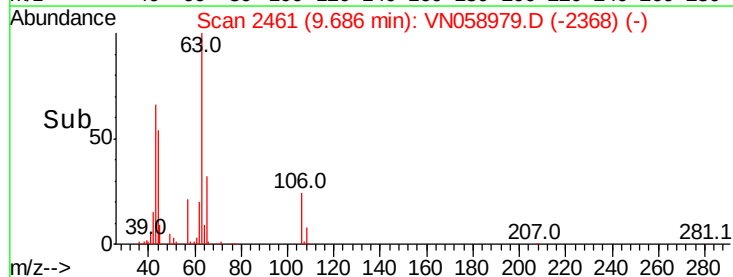
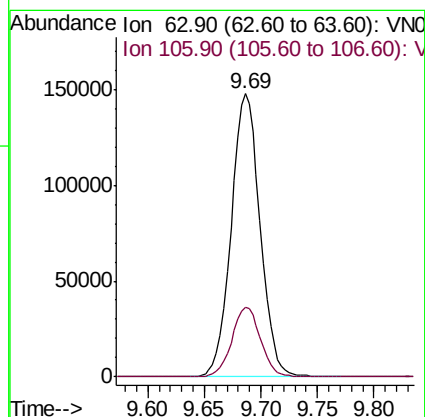
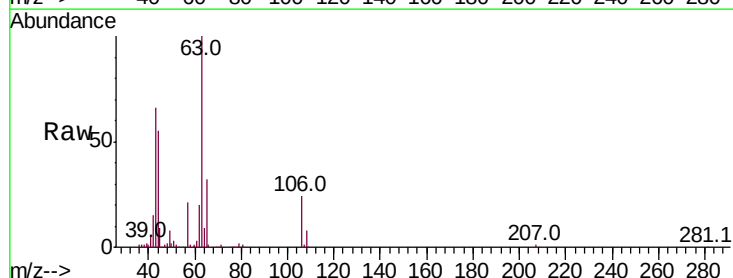
Acq: 25 Oct 2019 12:10

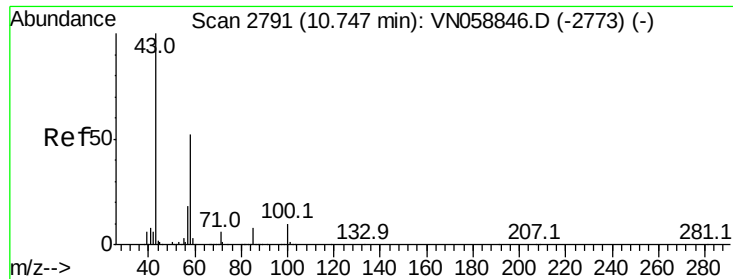
Tgt Ion: 63 Resp: 262158

Ion Ratio Lower Upper

63 100

106 24.4 19.8 29.8





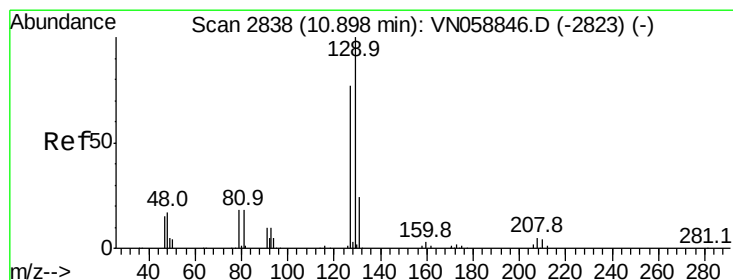
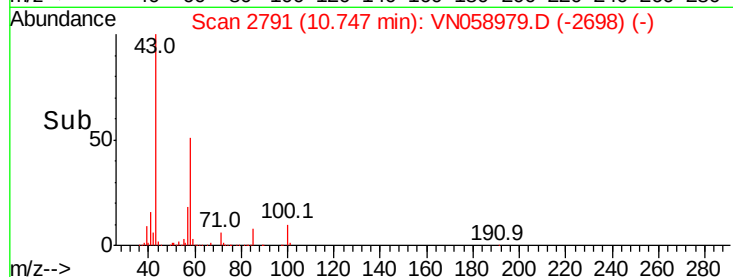
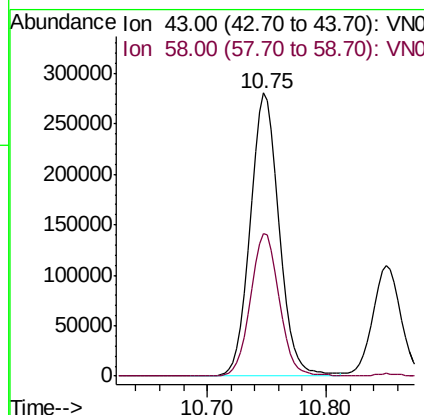
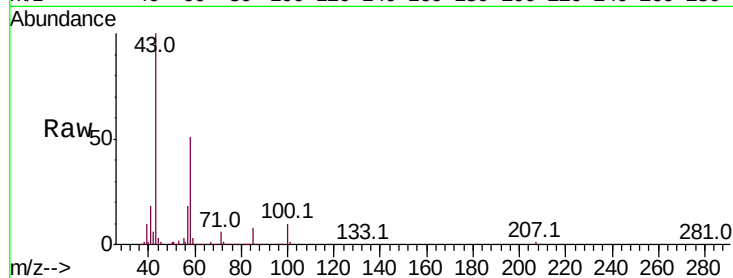
#59
2-Hexanone
Concen: 107.346 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion: 43 Resp: 469166
Ion Ratio Lower Upper
43 100
58 50.7 25.9 77.7

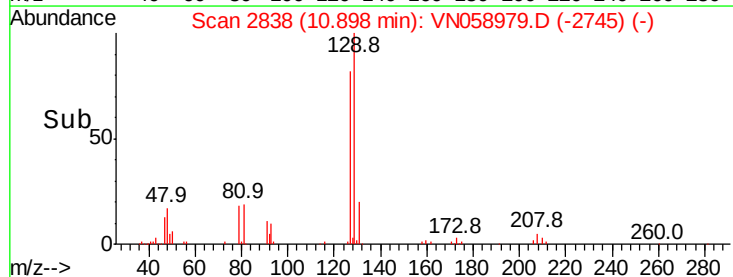
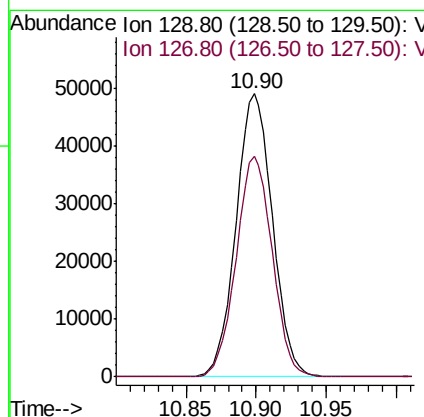
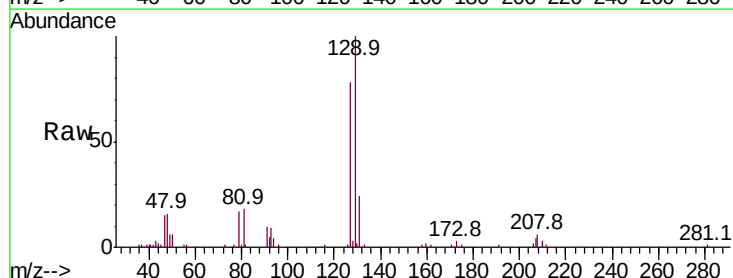
Manual Integrations
APPROVED

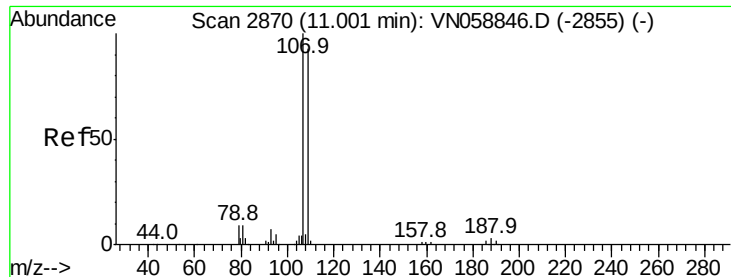
MMDadoda
10/28/2019 9:47:55 AM



#60
Dibromochloromethane
Concen: 20.739 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion: 129 Resp: 88735
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3





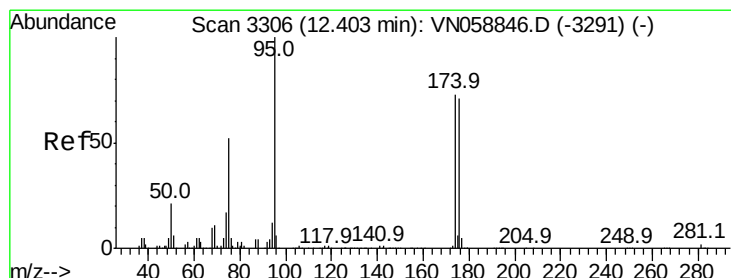
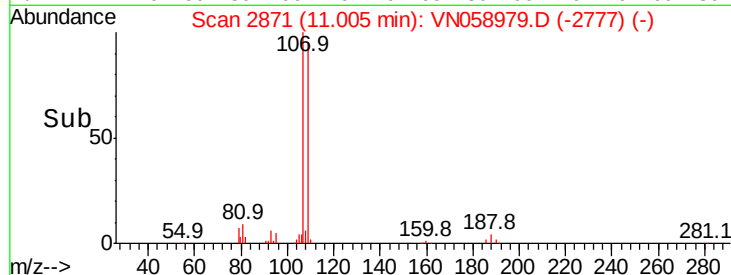
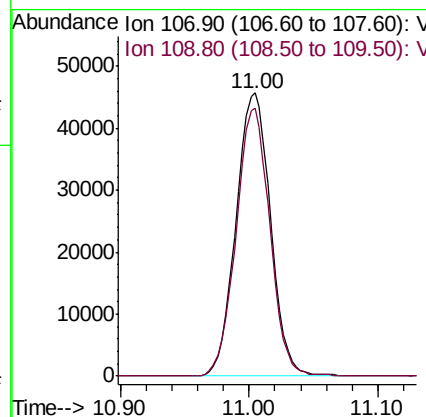
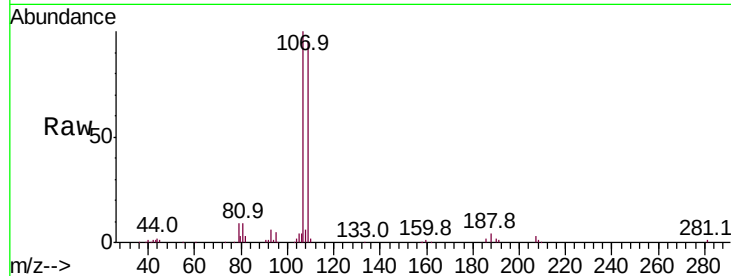
#61
 1,2-Dibromoethane
 Concen: 20.832 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Tot Ion:107 Resp: 84746
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.2 112.8

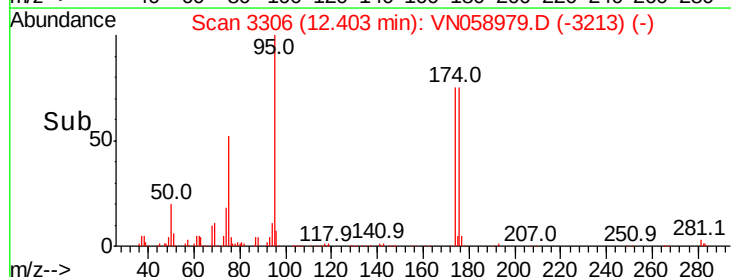
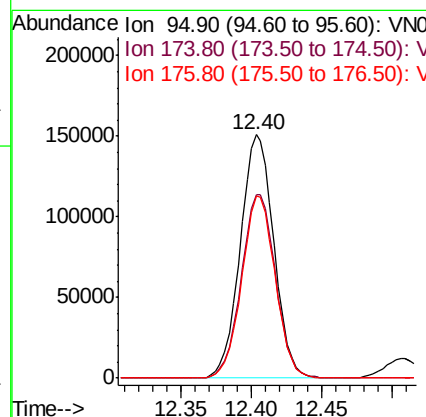
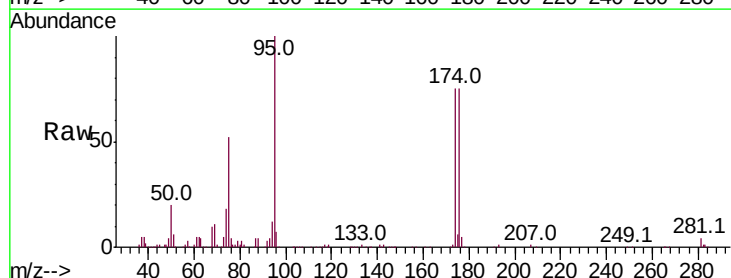
Manual Integrations
 APPROVED

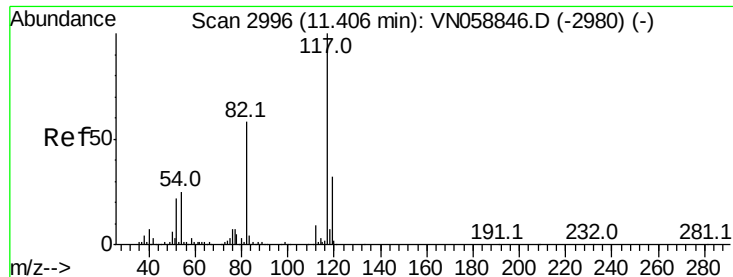
MMDadoda
 10/28/2019 9:47:55 AM



#62
 4-Bromofluorobenzene
 Concen: 49.469 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Tgt Ion: 95 Resp: 250946
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 147.6
 176 74.9 0.0 143.2





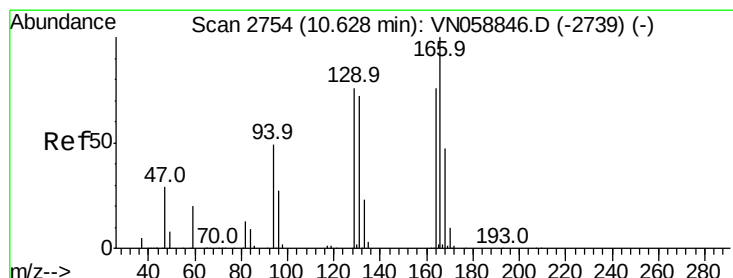
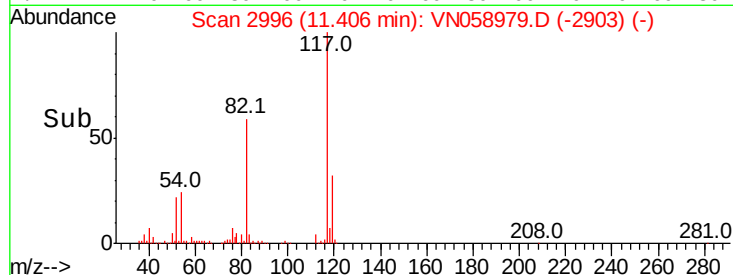
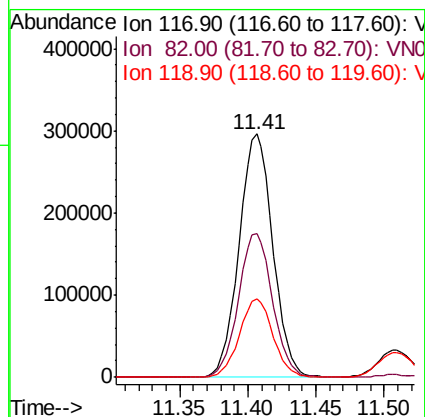
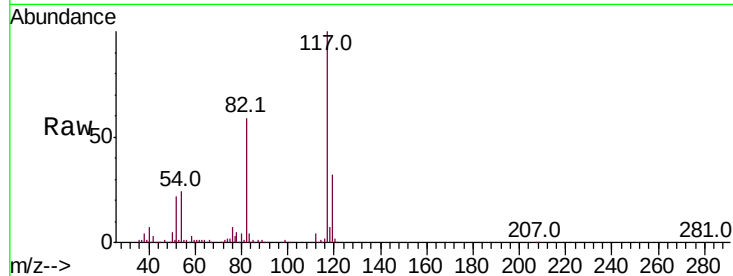
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	59.2	46.6	69.8	
119	32.0	25.6	38.4	

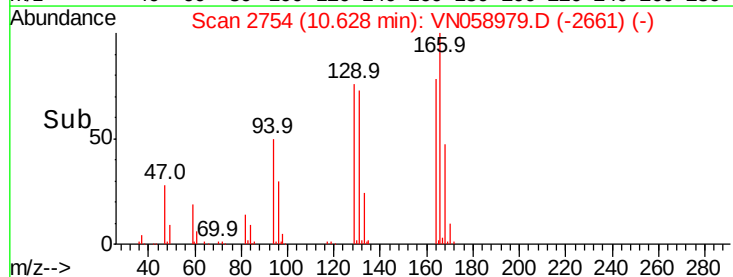
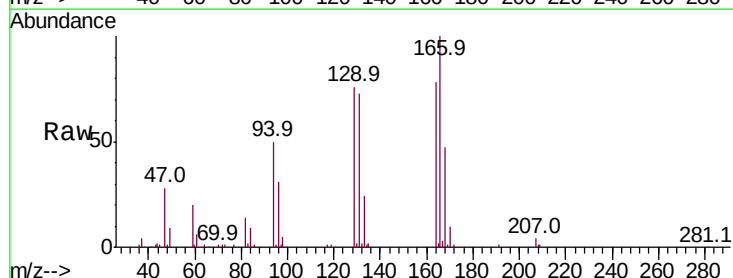
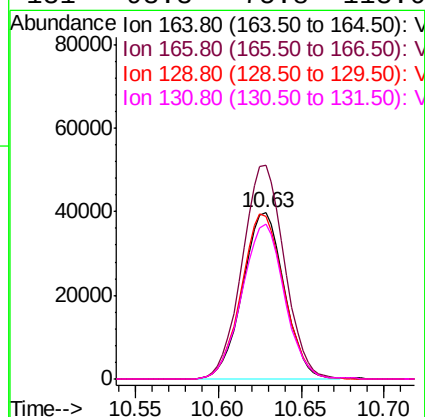
Manual Integrations
APPROVED

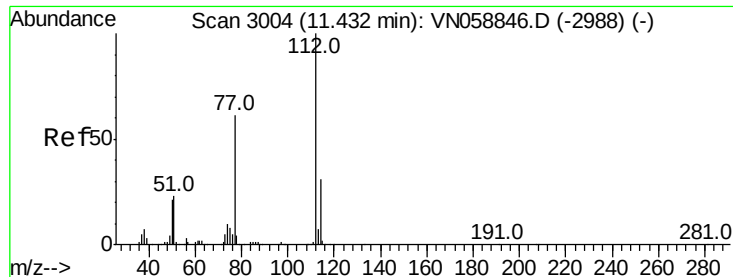
MMDadoda
10/28/2019 9:47:55 AM



#64
Tetrachloroethene
Concen: 19.494 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	128.7	104.8	157.2	
129	98.0	79.3	118.9	
131	93.3	75.8	113.6	





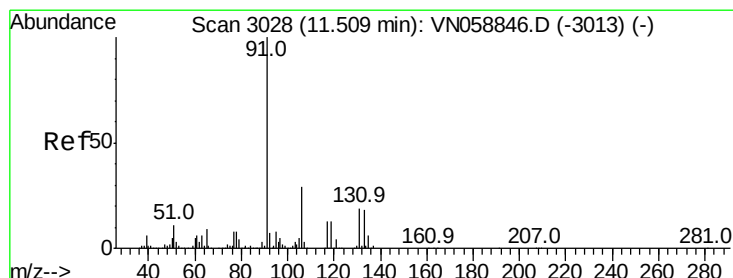
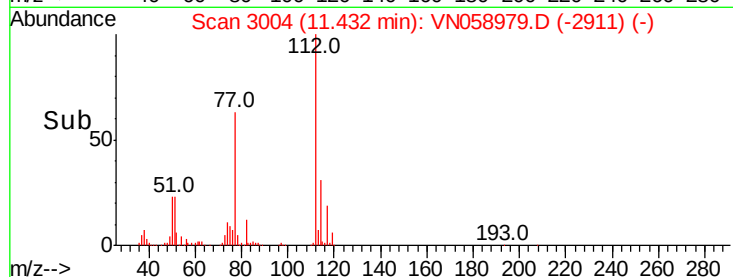
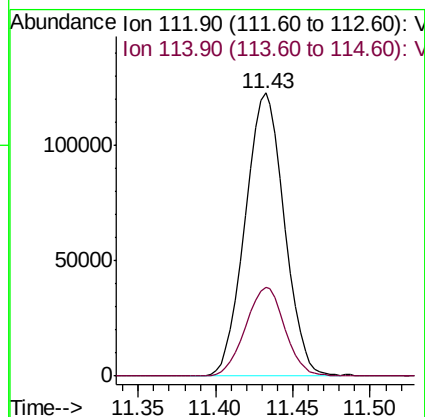
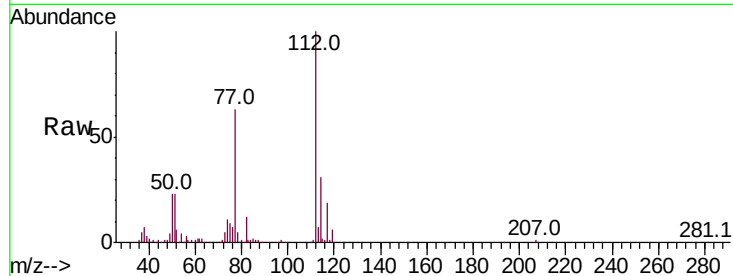
#65
Chlorobenzene
Concen: 20.877 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	216192		
114	31.3	25.1	37.7	

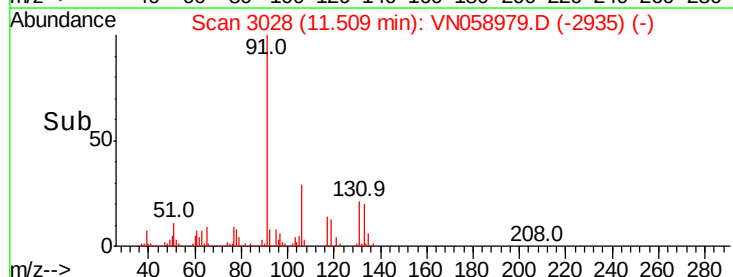
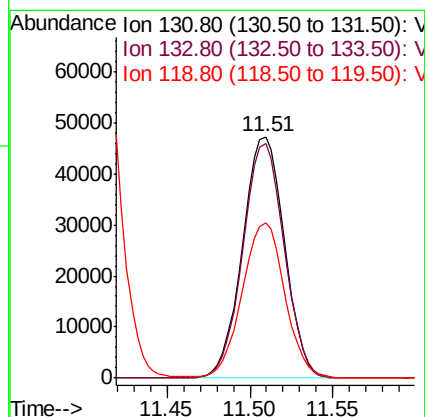
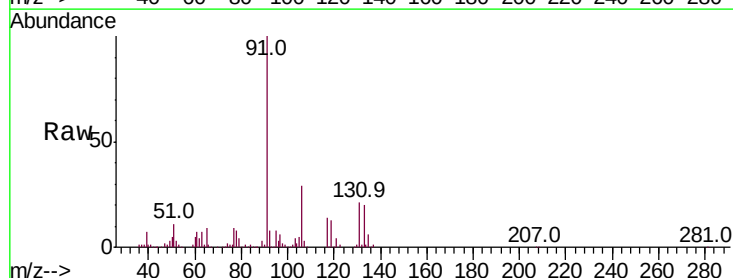
Manual Integrations
APPROVED

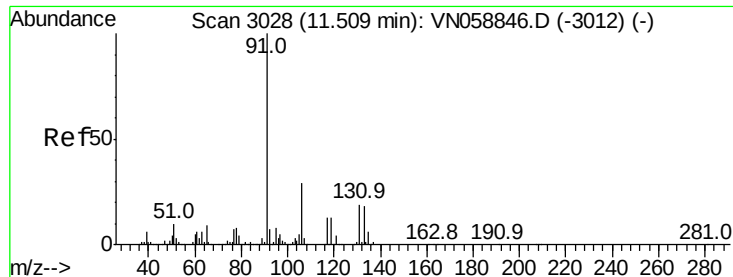
MMDadoda
10/28/2019 9:47:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.247 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	83030		
133	96.5	48.4	145.2	
119	65.6	33.6	100.8	





#67

Ethyl Benzene

Concen: 21.109 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion: 91 Resp: 383477

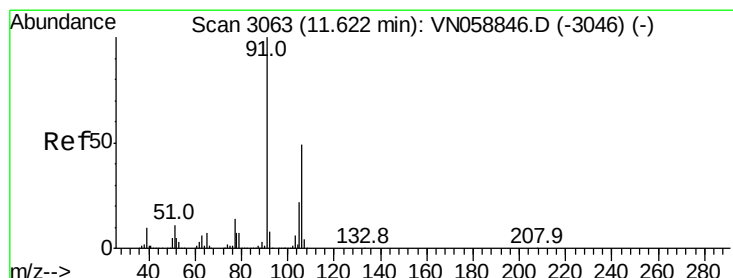
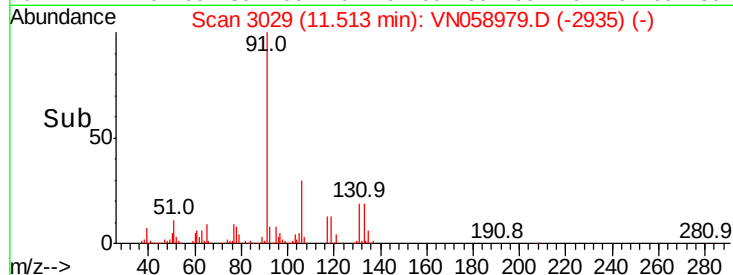
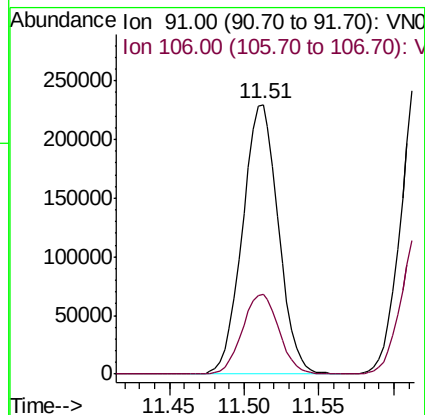
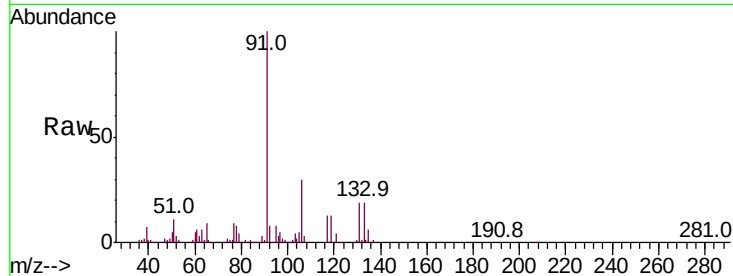
Ion Ratio Lower Upper

91 100

106 29.9 23.4 35.0

Manual Integrations
APPROVED

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10/28/2019 9:47:55 AM



#68

m/p-Xylenes

Concen: 42.327 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058979.D

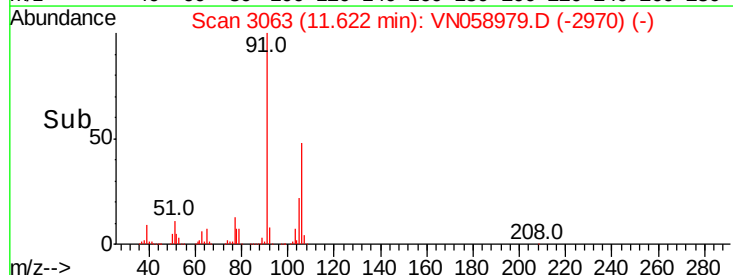
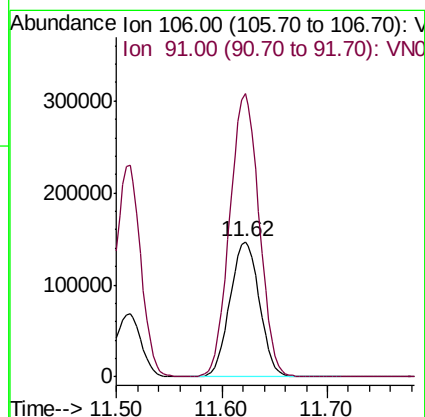
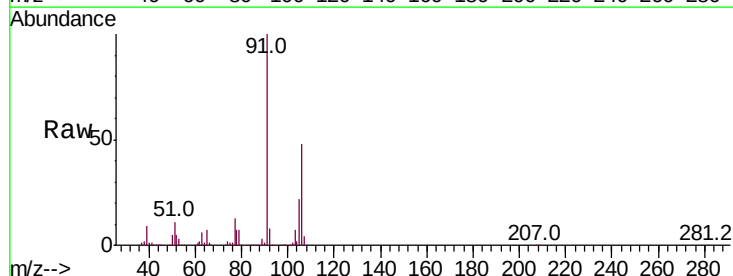
Acq: 25 Oct 2019 12:10

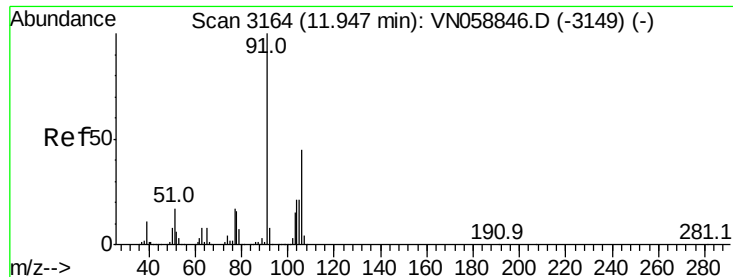
Tgt Ion: 106 Resp: 285152

Ion Ratio Lower Upper

106 100

91 208.0 166.6 249.8





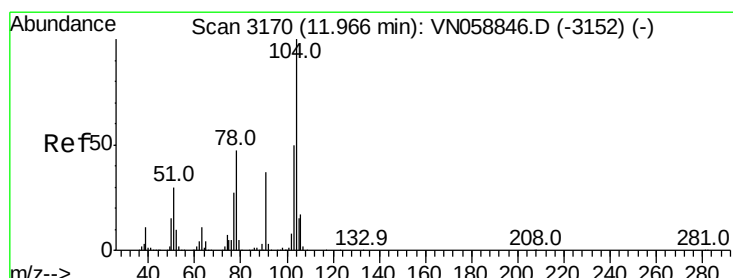
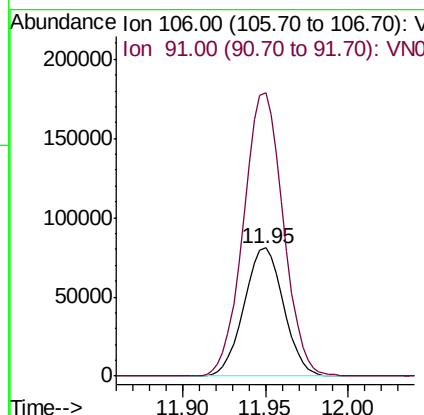
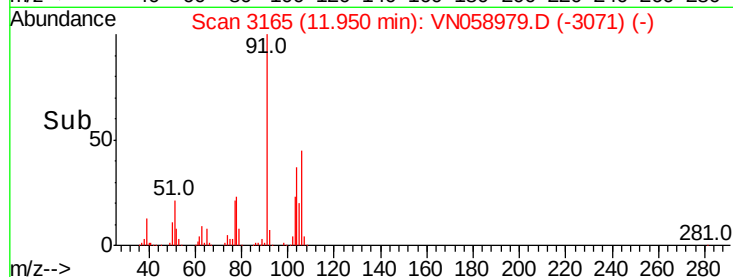
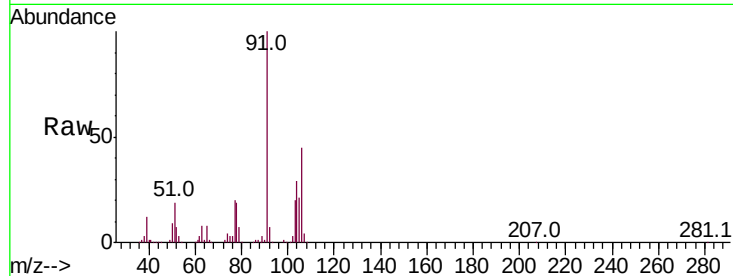
#69
o-Xylene
Concen: 20.927 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.1	111.5	334.4

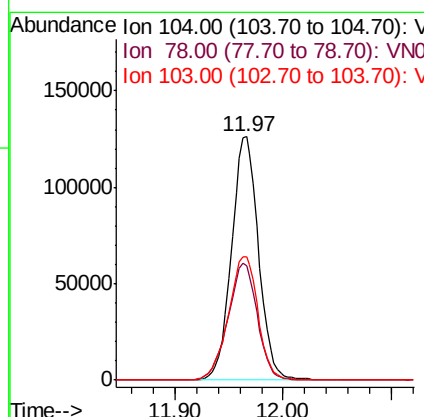
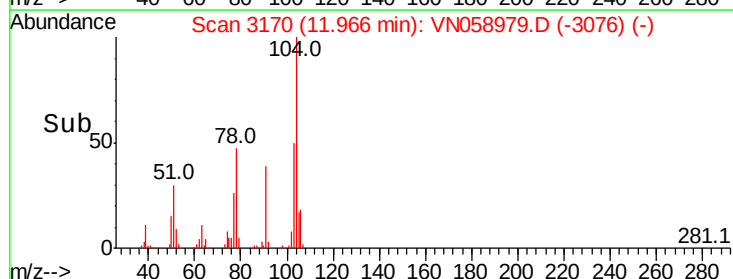
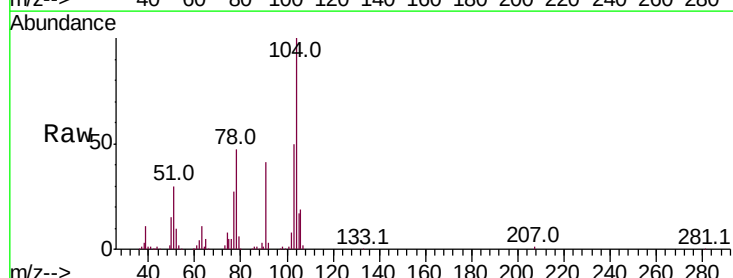
Manual Integrations
APPROVED

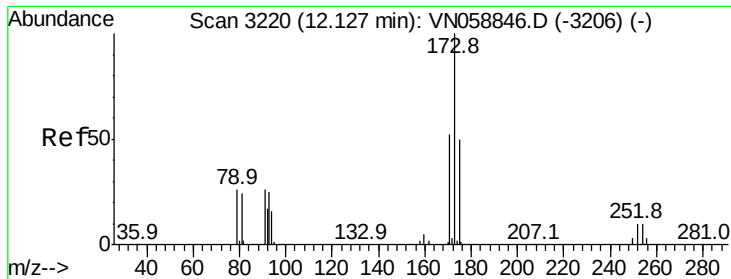
MMDadoda
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#70
Styrene
Concen: 19.687 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.2	42.8	64.2
103	55.7	44.3	66.5





#71

Bromoform

Concen: 20.820 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion:173 Resp: 63090

Ion Ratio Lower Upper

173 100

175 48.8 24.7 74.1

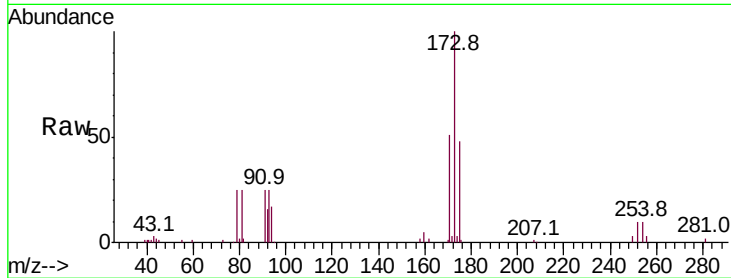
254 0.0 0.0 0.0

Manual Integrations

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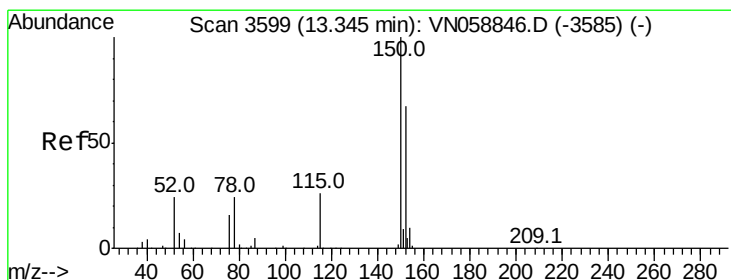
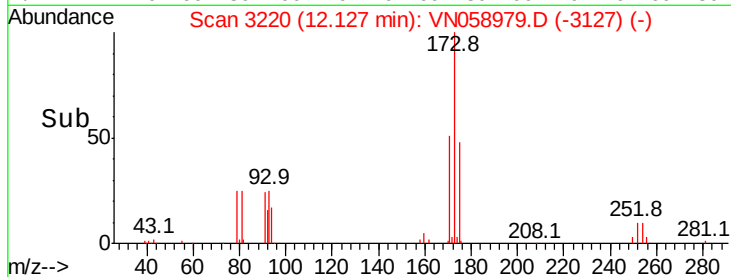
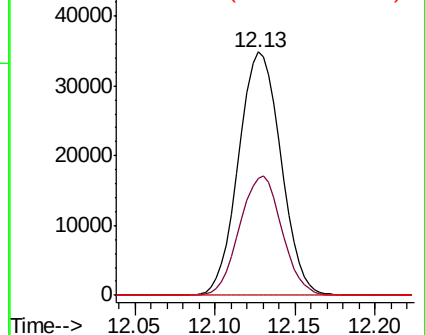
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN058979.D

Acq: 25 Oct 2019 12:10

Tgt Ion:152 Resp: 238226

Ion Ratio Lower Upper

152 100

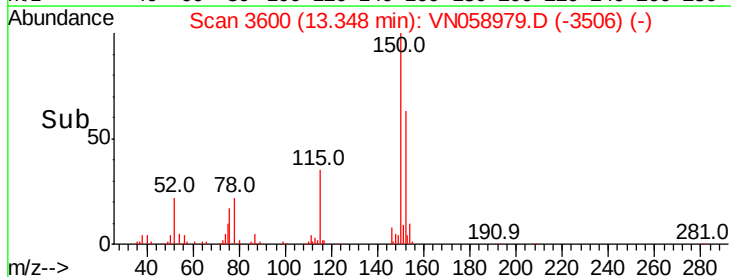
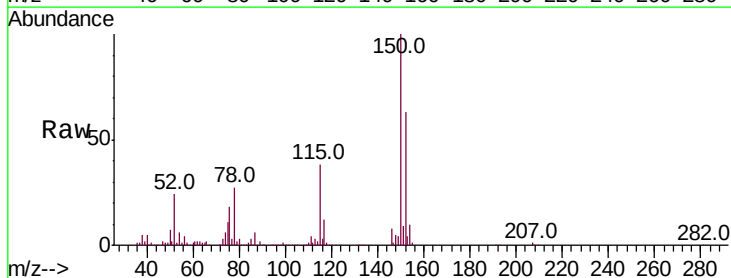
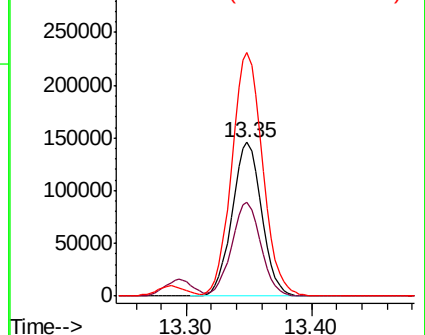
115 60.4 30.5 91.5

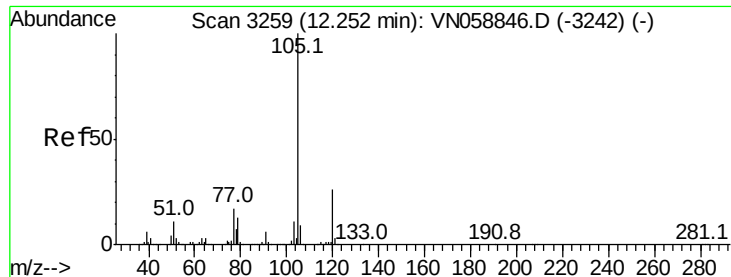
150 165.2 0.0 344.4

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: 21.191 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion:105 Resp: 368937

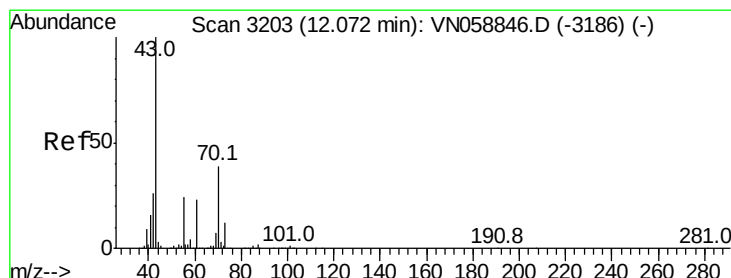
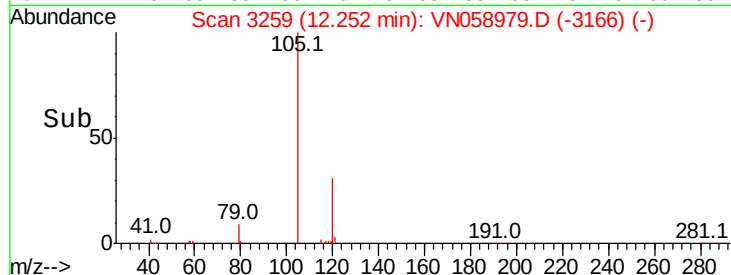
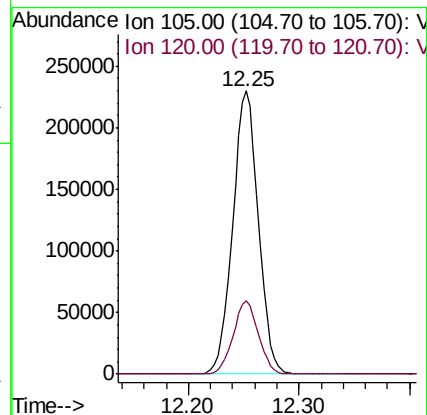
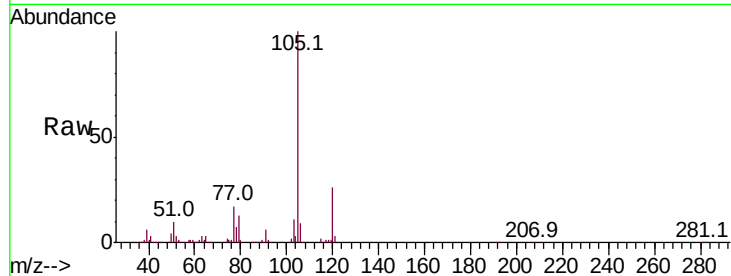
Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.4

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 20.889 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Tgt Ion: 43 Resp: 164877

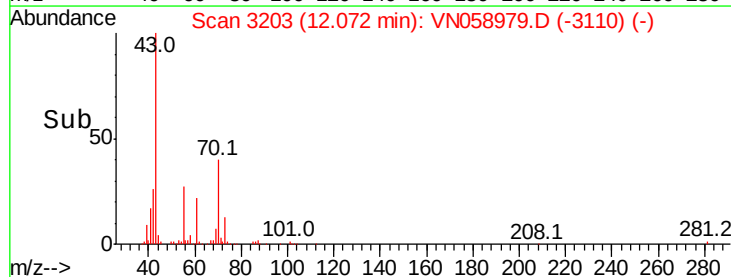
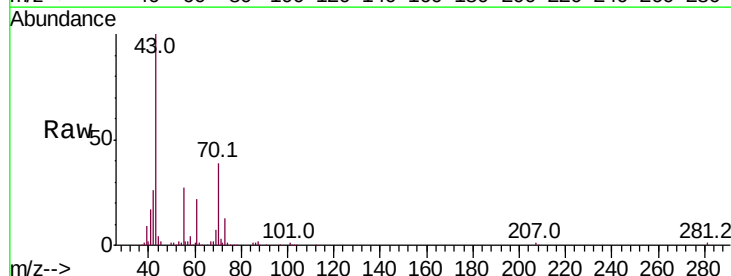
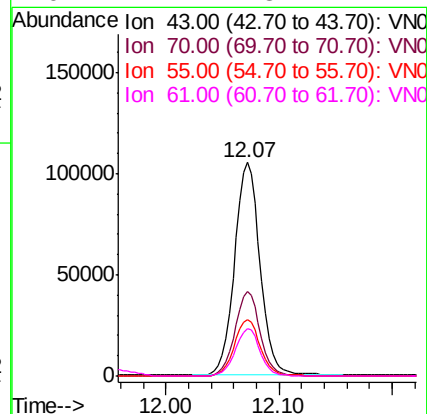
Ion Ratio Lower Upper

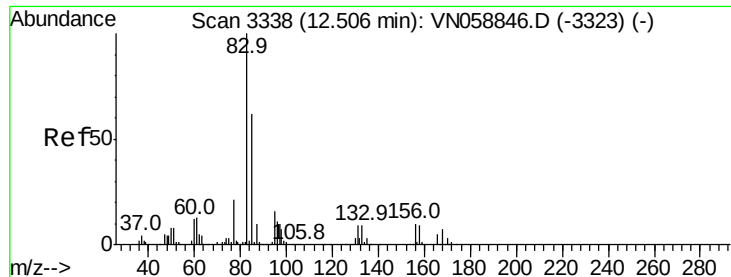
43 100

70 39.0 30.9 46.3

55 27.1 19.7 29.5

61 21.7 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.133 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

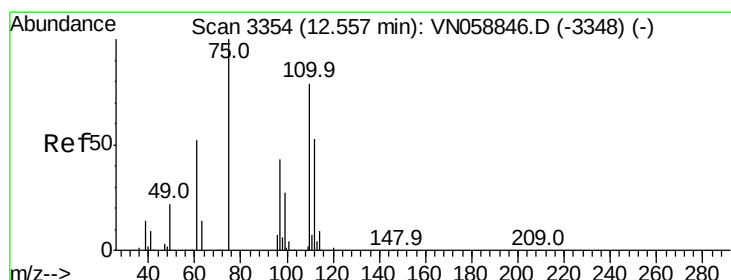
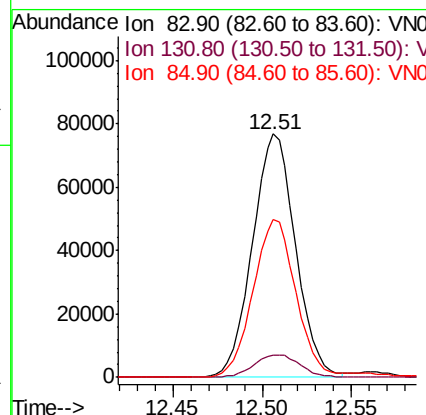
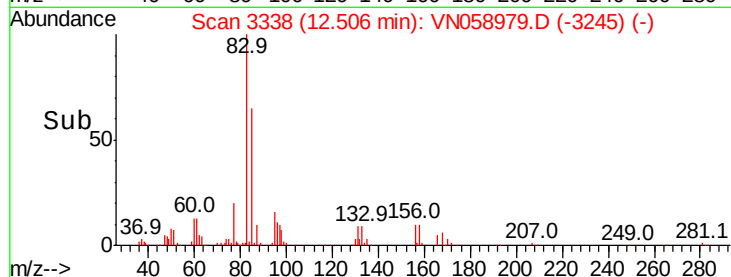
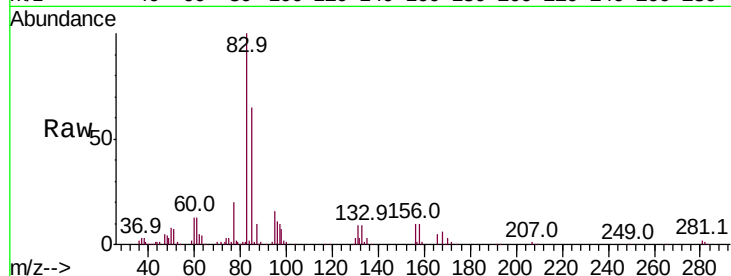
ClientSampleId :

VN1026WBS01

Tot Ion:	83	Resp:	129369
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.7	14.1
85	64.6	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.439 ug/l m

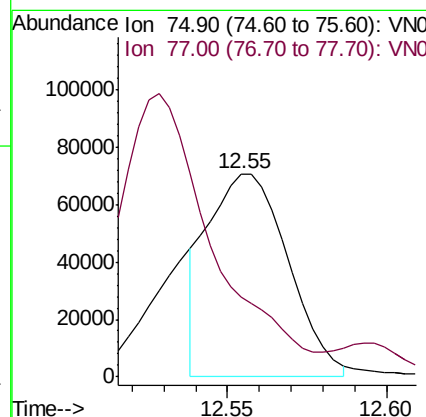
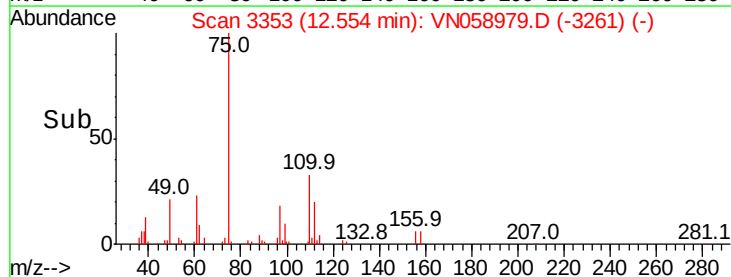
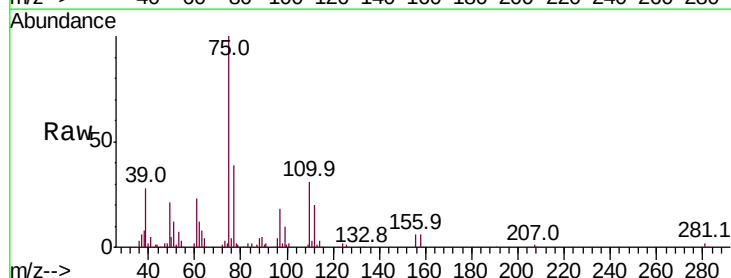
RT: 12.55 min Scan# 3353

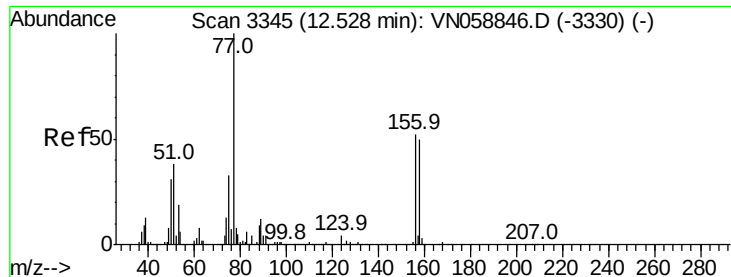
Delta R.T. -0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Tgt Ion:	75	Resp:	123887
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





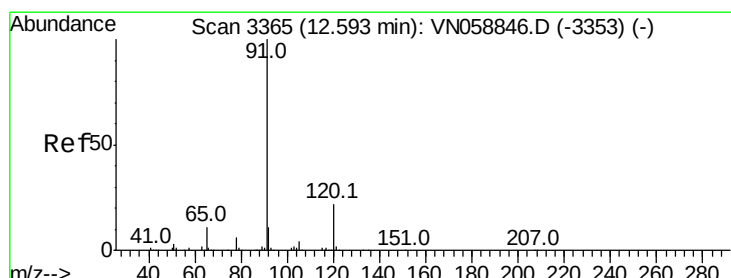
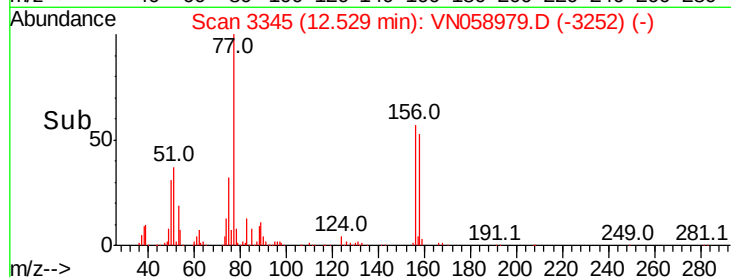
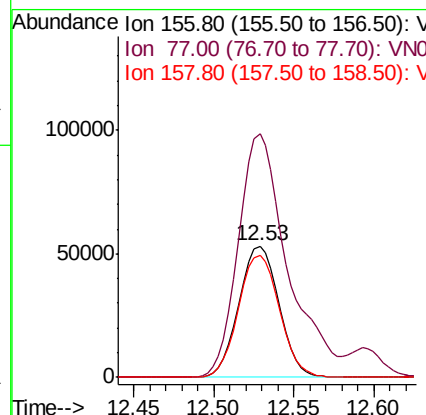
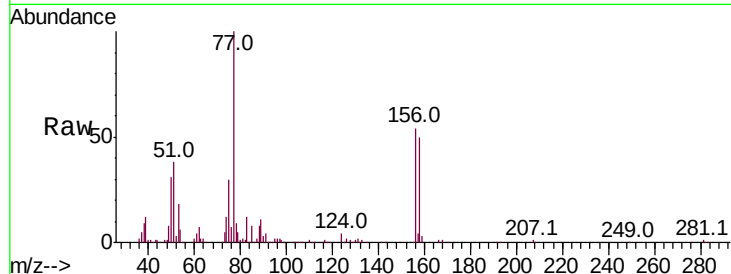
#77
Bromobenzene
Concen: 21.143 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	229.8	118.0	354.0
158	95.2	48.3	144.8

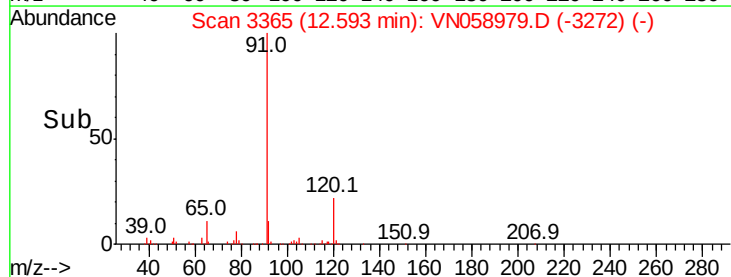
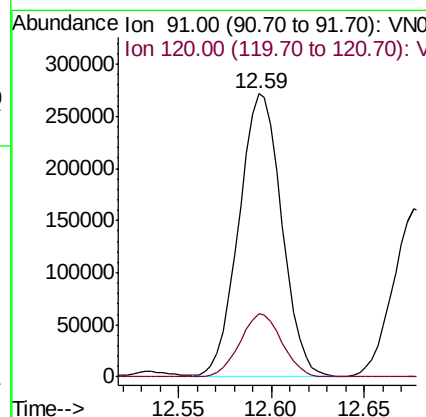
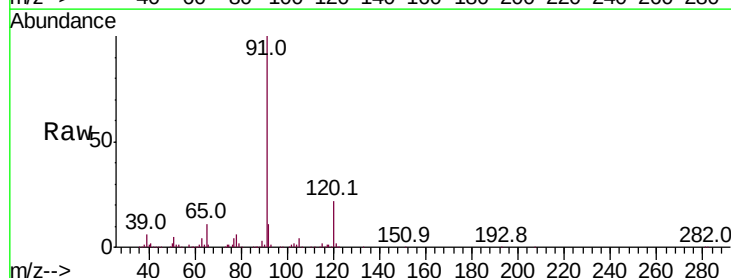
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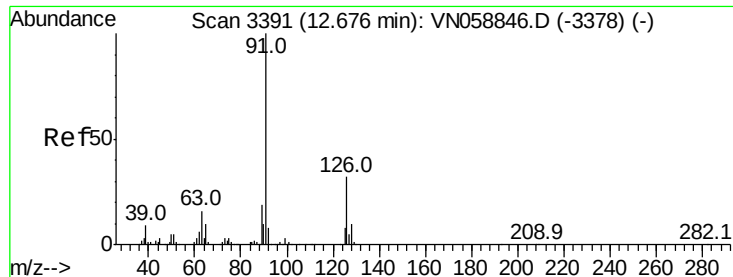
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#78
n-propylbenzene
Concen: 21.252 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1





#79

2-Chlorotoluene

Concen: 21.075 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion: 91 Resp: 265444

Ion Ratio Lower Upper

91 100

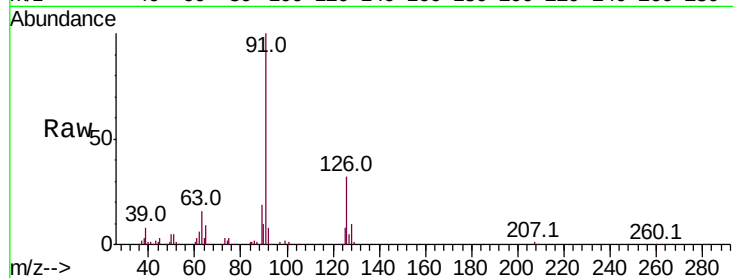
126 31.9 16.2 48.6

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Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3378) (-)

200000

150000

100000

50000

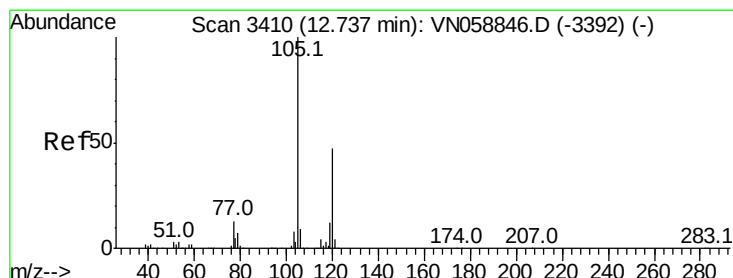
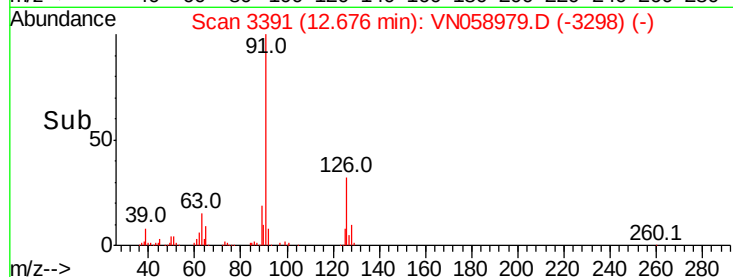
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.392 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058979.D

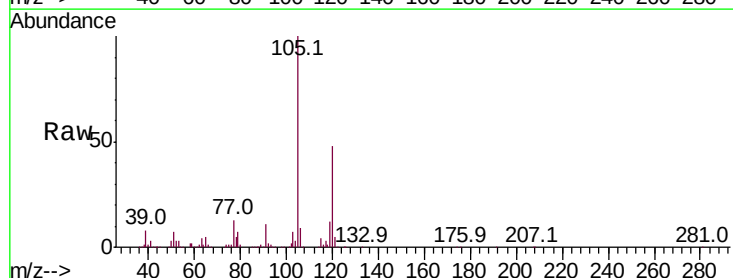
Acq: 25 Oct 2019 12:10

Tgt Ion:105 Resp: 312918

Ion Ratio Lower Upper

105 100

120 47.8 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058846.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN058846.D (-3392) (-)

200000

150000

100000

50000

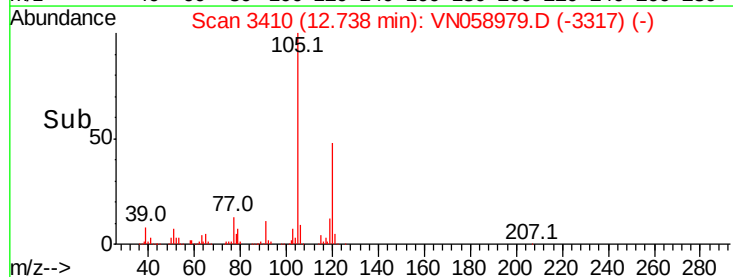
0

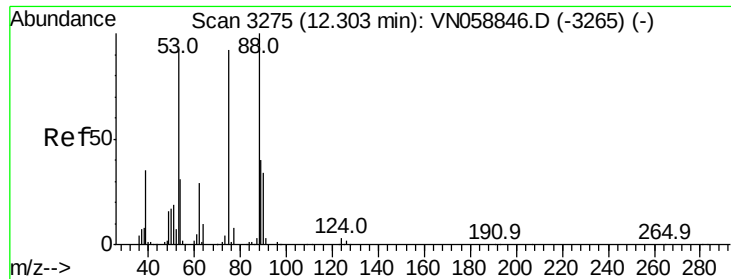
12.70

12.74

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.330 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

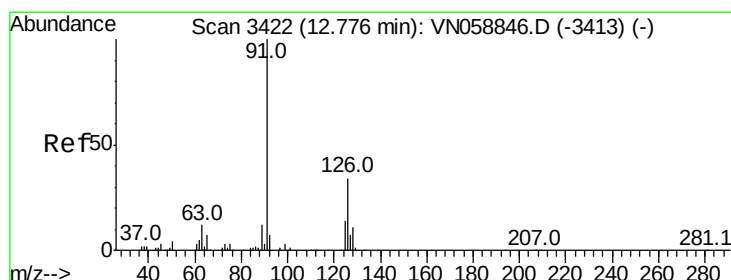
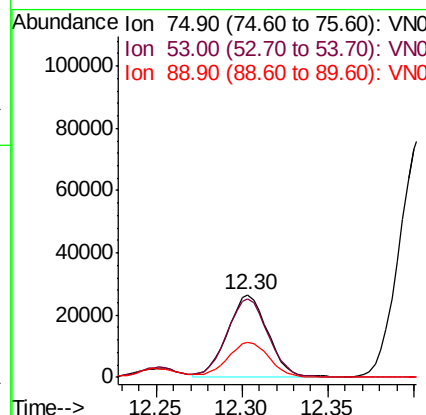
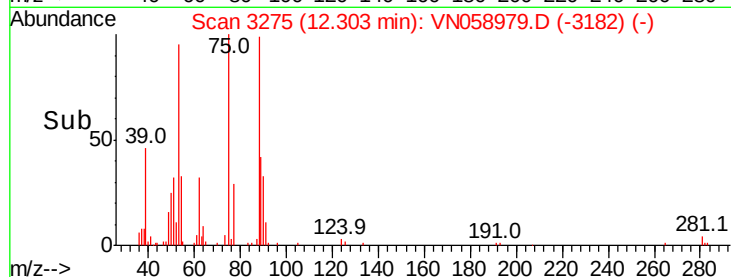
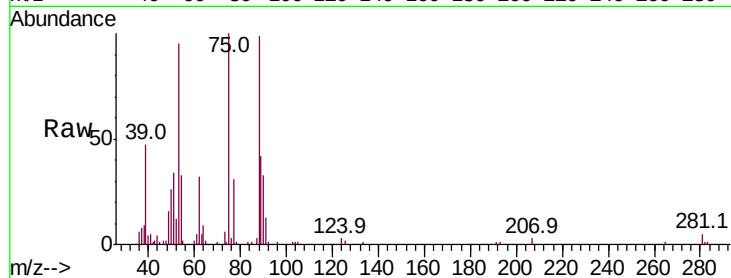
ClientSampleId :

VN1026WBS01

Tot Ion:	75	Resp:	43087
Ion	Ratio	Lower	Upper
75	100		
53	96.9	78.6	118.0
89	43.8	35.4	53.0

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#82

4-Chlorotoluene

Concen: 20.395 ug/l

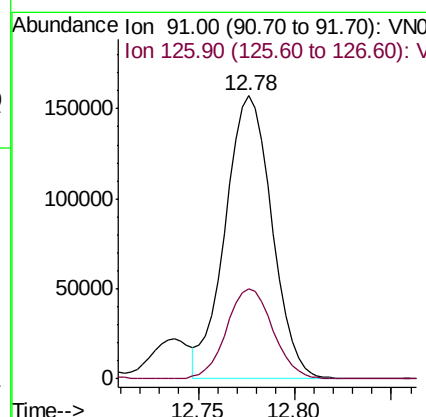
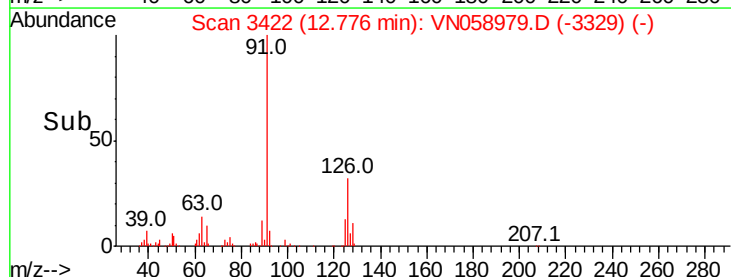
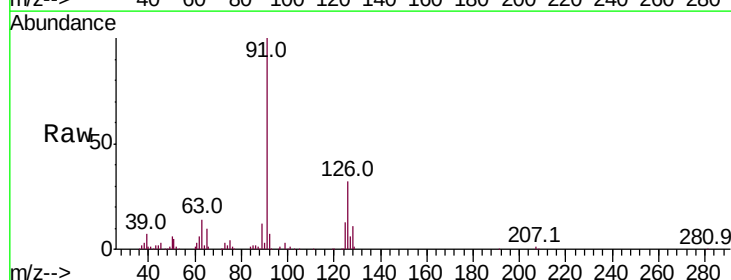
RT: 12.78 min Scan# 3422

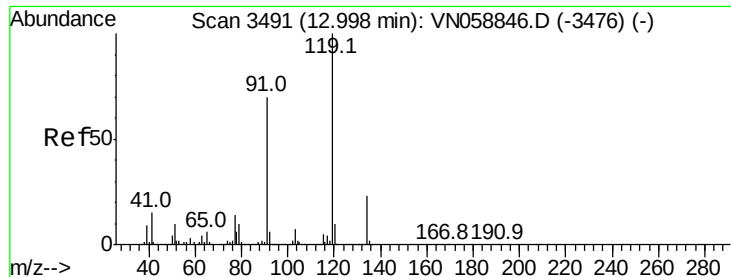
Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Tgt Ion:	91	Resp:	262509
Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.0	47.9





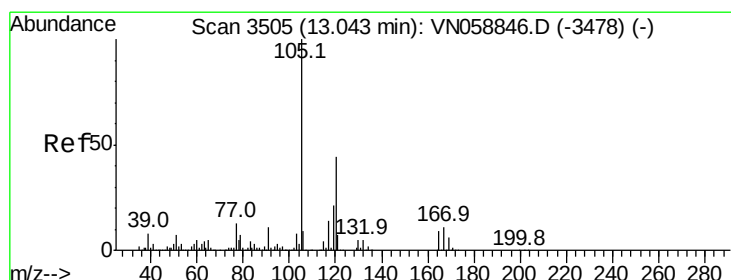
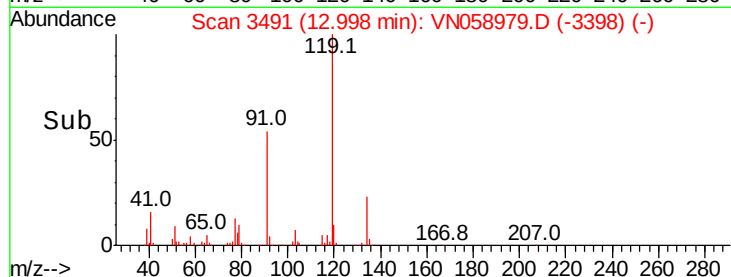
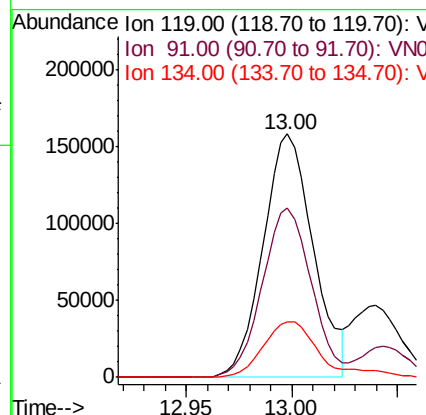
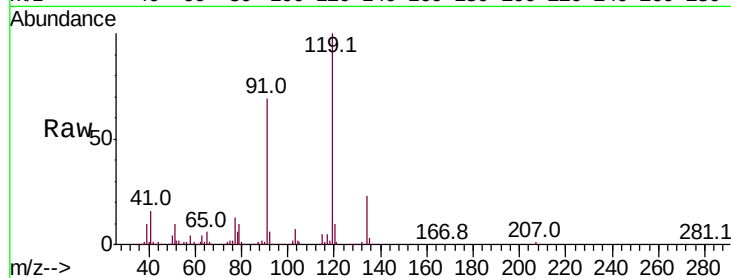
#83
 tert-Butylbenzene
 Concen: 20.942 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	34.1	102.3
134	26.0	11.6	34.8

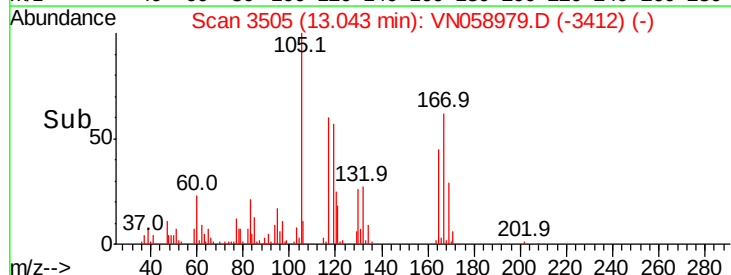
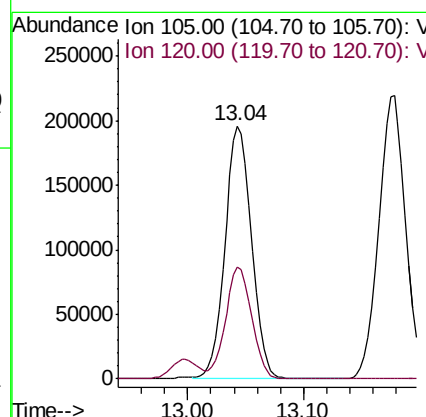
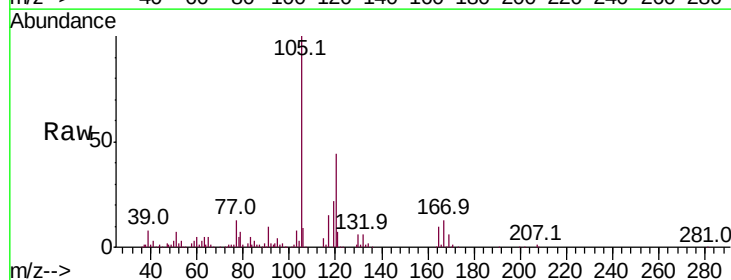
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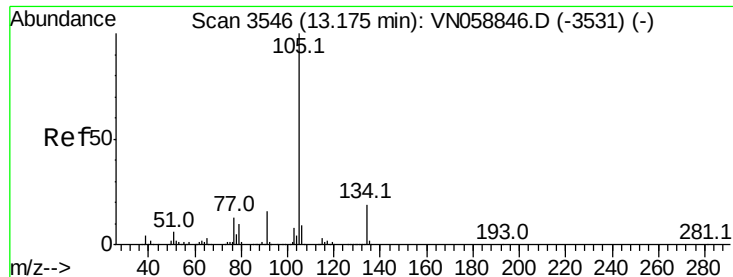
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.505 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.9	65.8





#85

sec-Butylbenzene

Concen: 21.126 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion:105 Resp: 352313

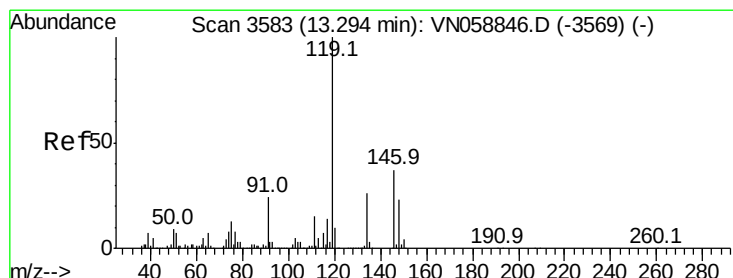
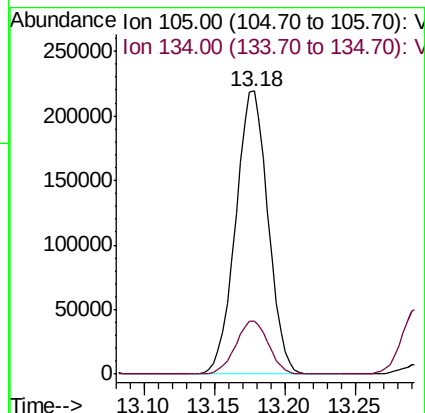
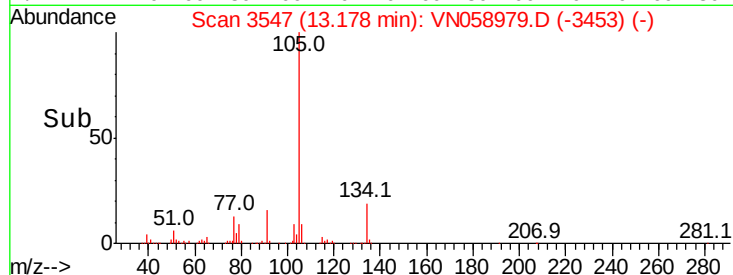
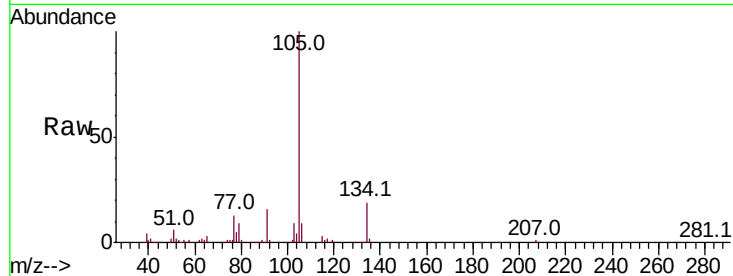
Ion Ratio Lower Upper

105 100

134 19.1 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 21.216 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

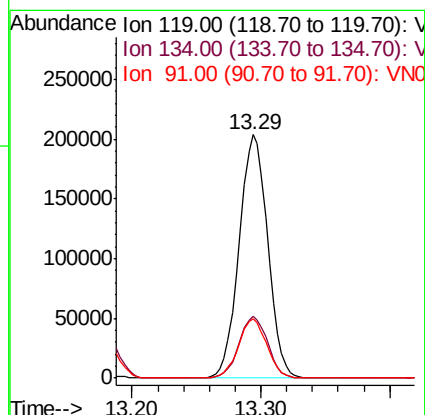
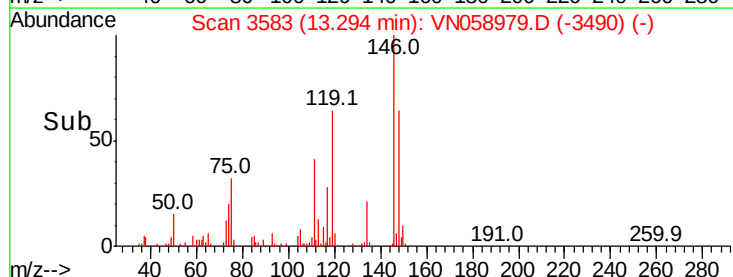
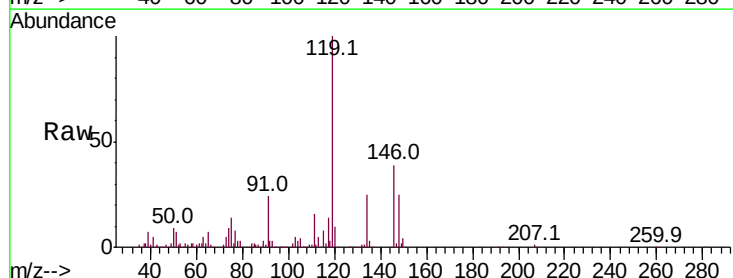
Tgt Ion:119 Resp: 312185

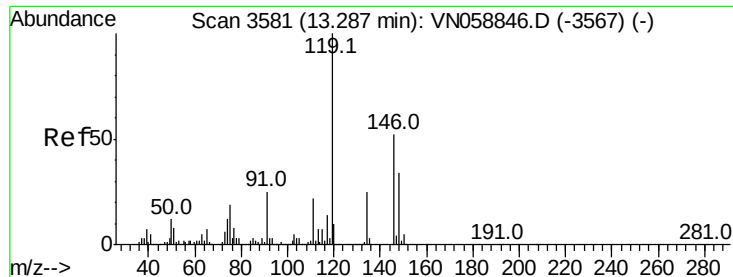
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

91 24.2 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 20.596 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058979.D

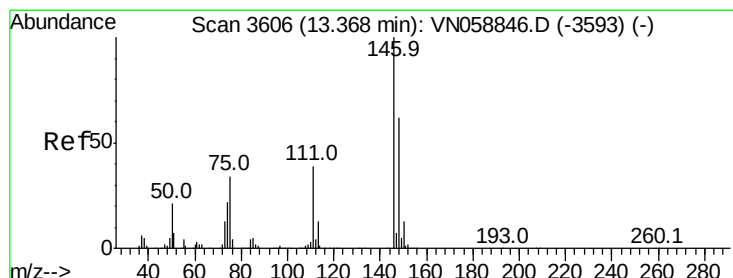
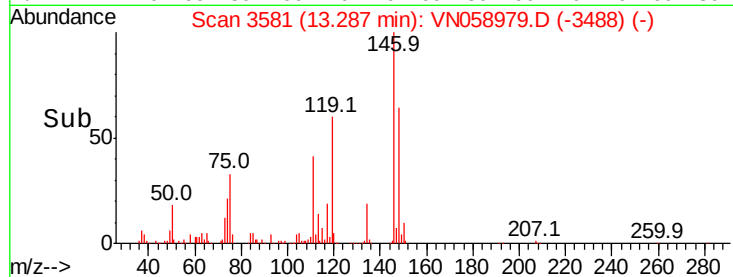
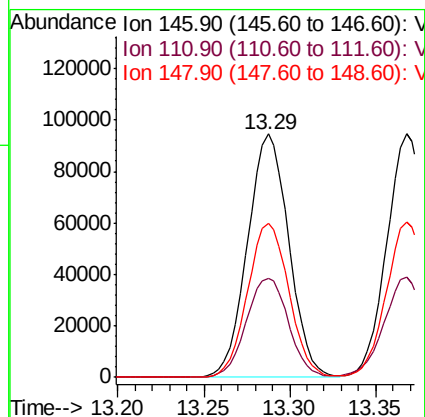
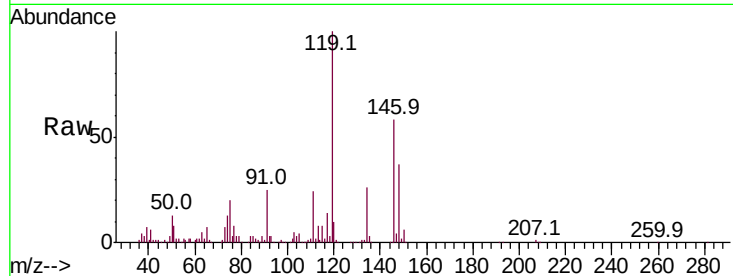
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.5	21.0	63.0	
148	63.4	32.1	96.3	

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#88

1,4-Dichlorobenzene

Concen: 20.331 ug/l

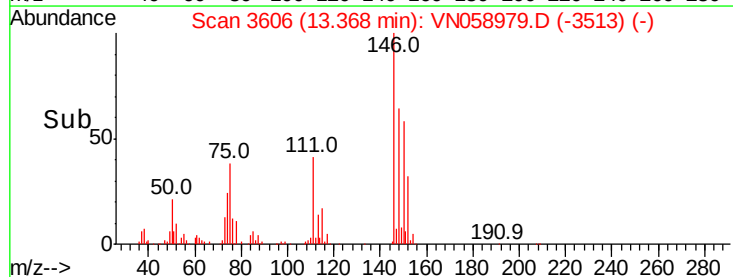
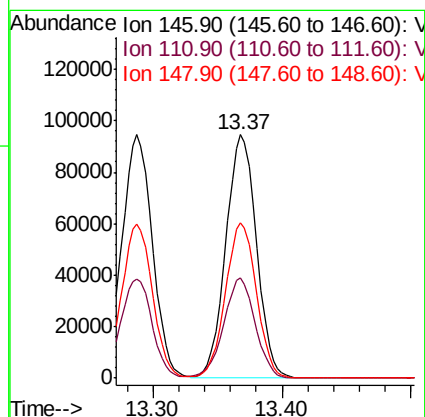
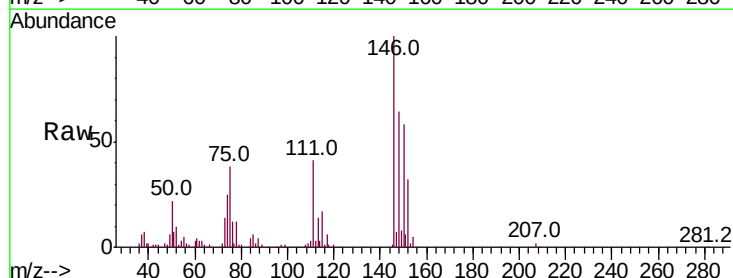
RT: 13.37 min Scan# 3606

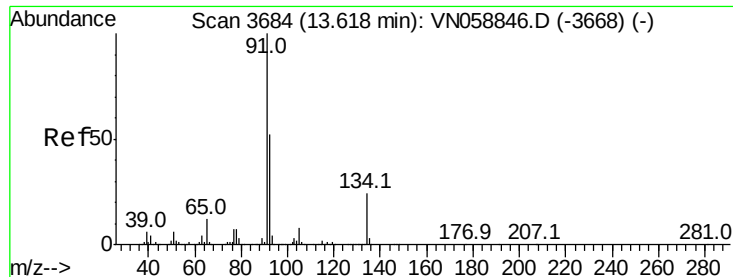
Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.2	20.2	60.6	
148	64.4	31.6	94.7	





#89

n-Butylbenzene

Concen: 19.740 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

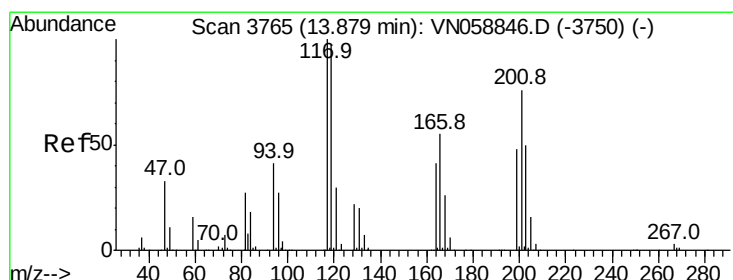
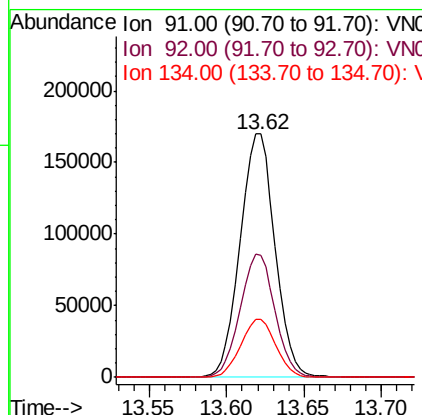
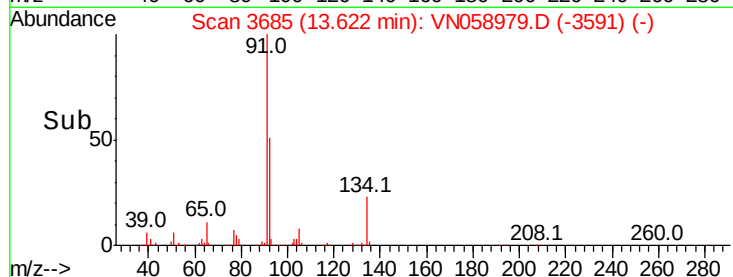
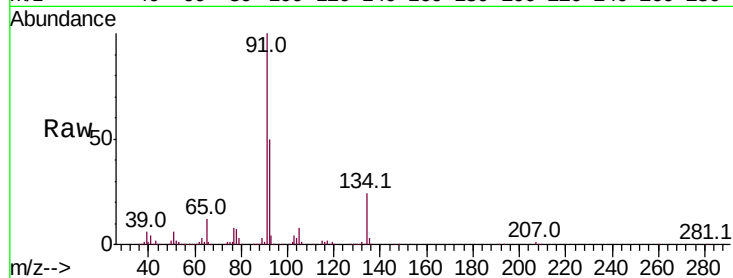
ClientSampleId :

VN1026WBS01

Tot Ion:	91	Resp:	266835
Ion Ratio	Lower	Upper	
91	100		
92	50.5	25.7	77.1
134	24.0	11.9	35.5

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#90

Hexachloroethane

Concen: 20.202 ug/l

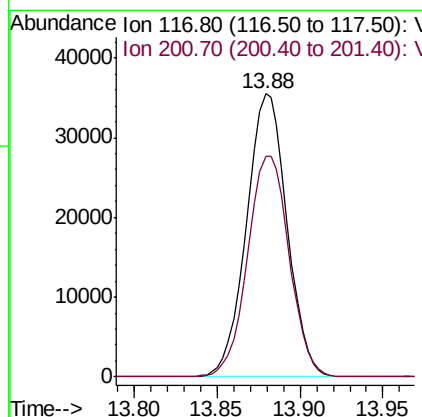
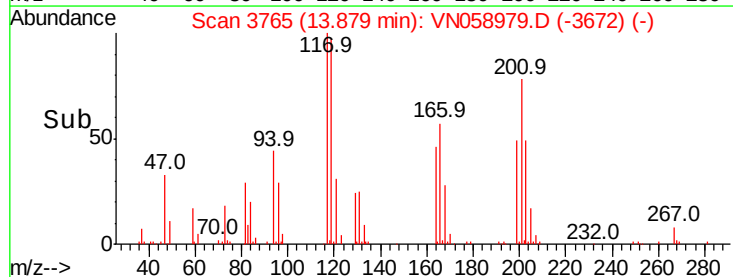
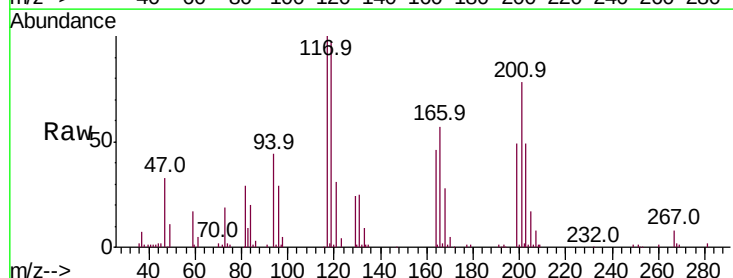
RT: 13.88 min Scan# 3765

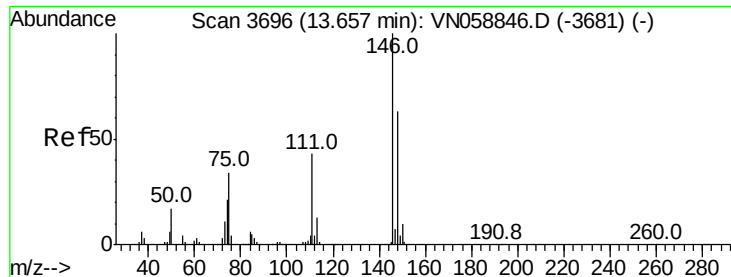
Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Tgt Ion:	117	Resp:	60236
Ion Ratio	Lower	Upper	
117	100		
201	80.2	38.9	116.6





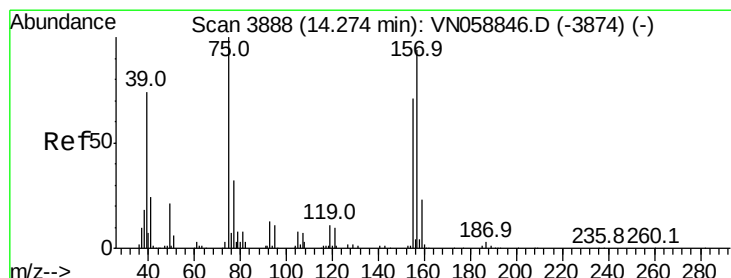
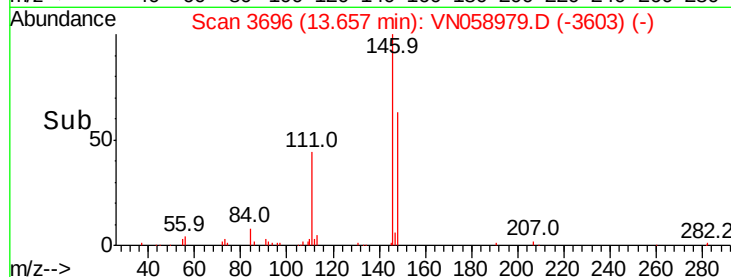
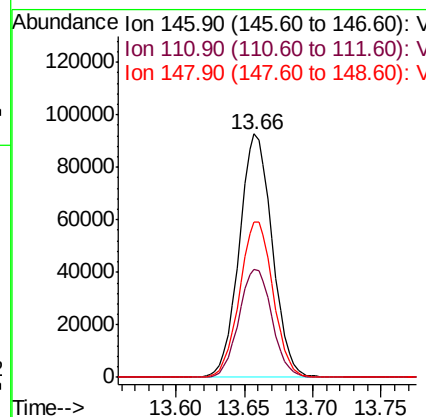
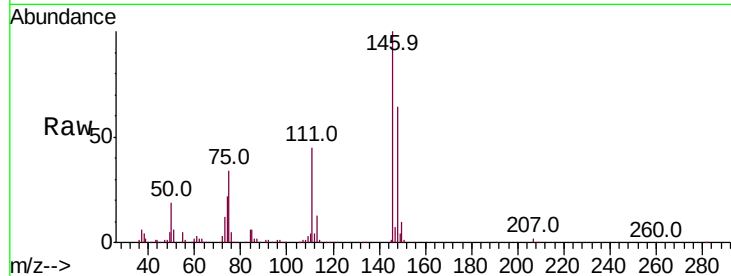
#91
 1,2-Dichlorobenzene
 Concen: 20.601 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	44.4	21.6	64.8	
148	65.0	31.9	95.9	

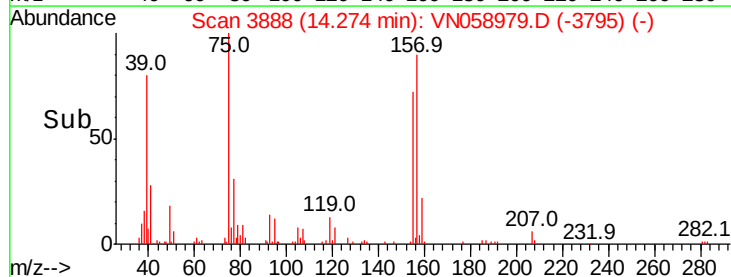
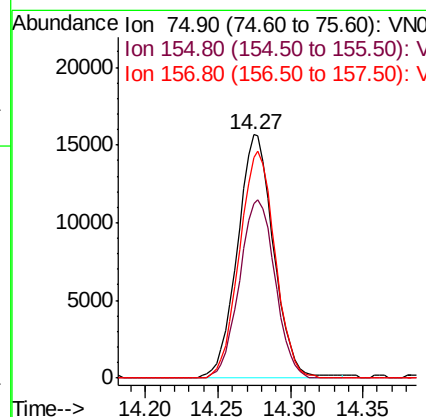
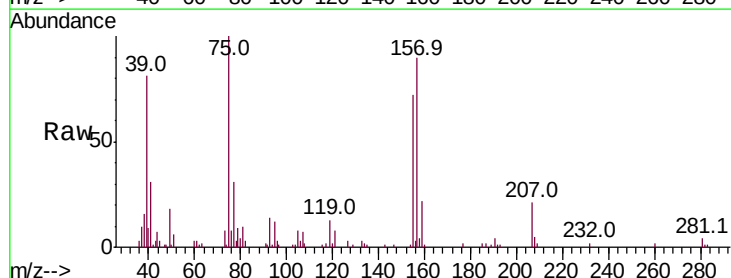
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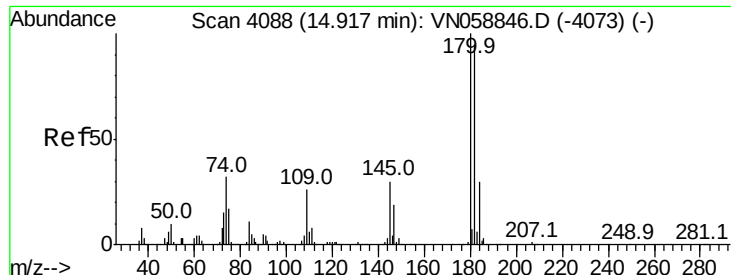
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.653 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	71.8	35.6	106.8	
157	91.2	47.4	142.2	





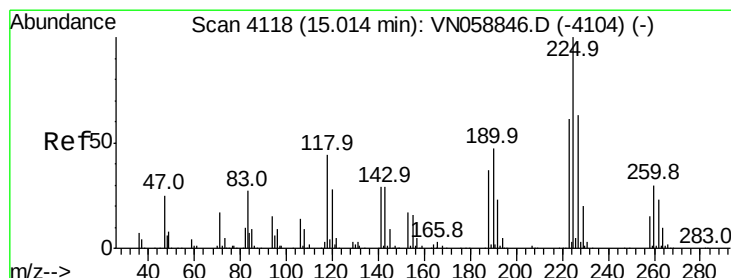
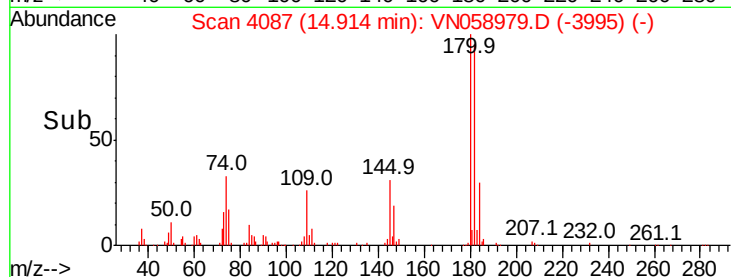
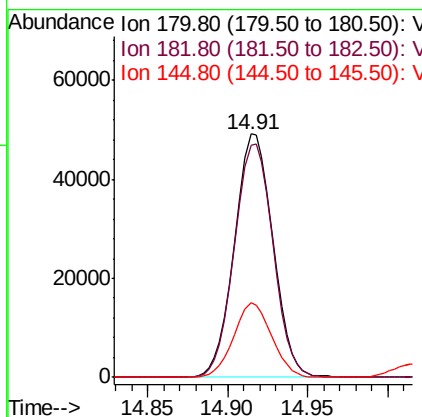
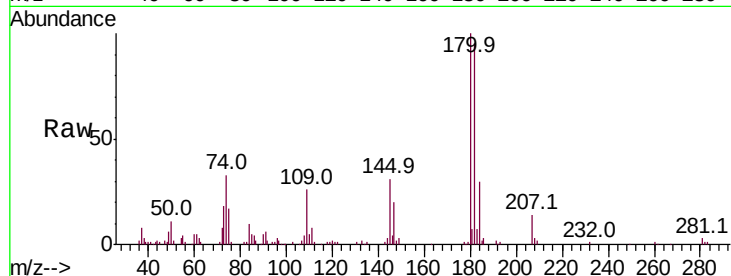
#93
 1,2,4-Trichlorobenzene
 Concen: 18.650 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.4	47.3	142.0	
145	30.2	15.3	45.8	

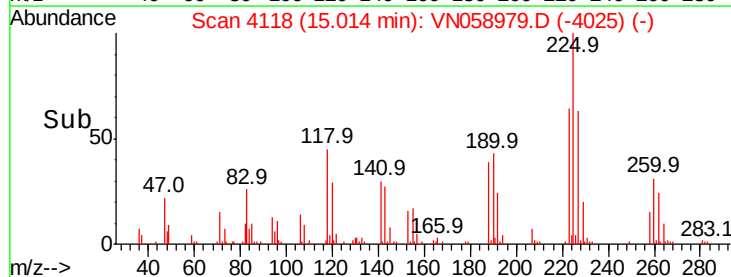
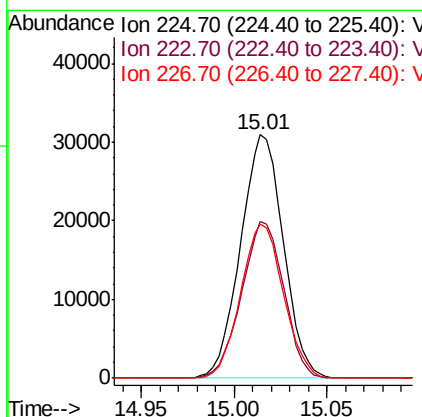
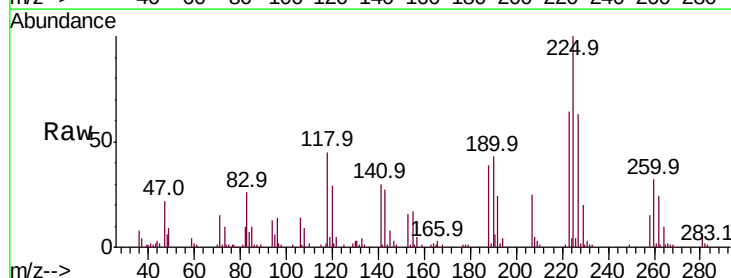
Manual Integrations
 APPROVED

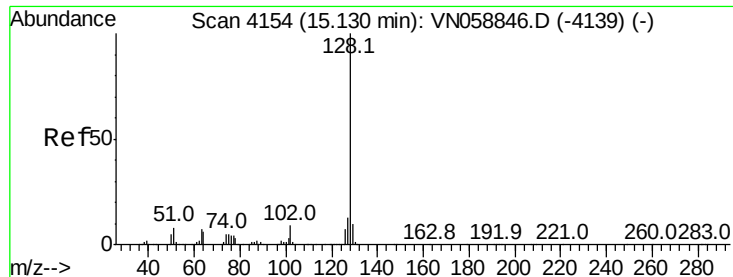
MMDadoda
 10/28/2019 9:47:55 AM



#94
 Hexachlorobutadiene
 Concen: 20.224 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	30.9	92.5	
227	63.1	31.6	94.7	





#95

Naphthalene

Concen: 17.824 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

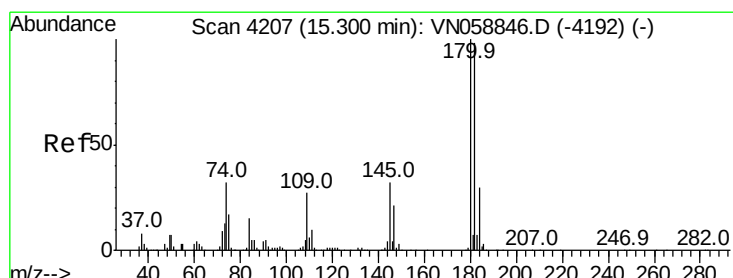
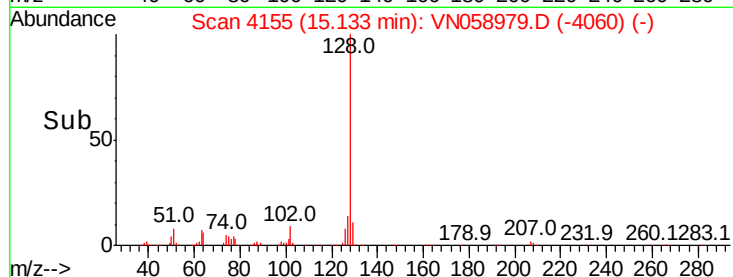
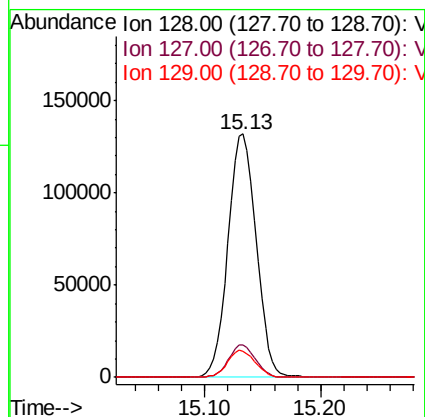
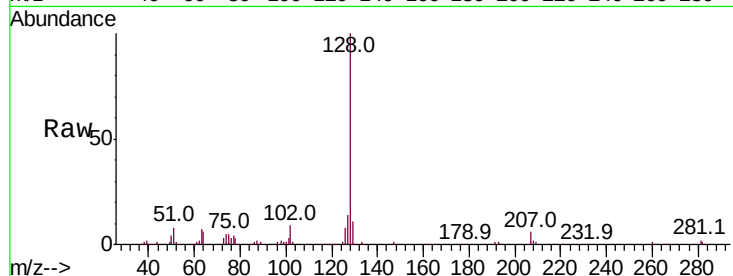
ClientSampleId :

VN1026WBS01

Tot Ion:	128	Resp:	222760
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.8	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/28/2019 9:47:55 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.701 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Tgt Ion:	180	Resp:	84013
Ion Ratio	Lower	Upper	
180	100		
182	93.4	47.9	143.7
145	32.2	15.9	47.7

