

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058893.D
 Acq On : 21 Oct 2019 16:57
 Operator : JC/SP
 Sample : VN1021MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1021MBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 4:55:42 PM

Quant Time: Oct 22 04:58:45 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	420253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	688074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	633301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	292913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	303759	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
35) Dibromofluoromethane	7.57	113	218904	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
50) Toluene-d8	10.08	98	847753	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
62) 4-Bromofluorobenzene	12.40	95	307034	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	101661	19.402	ug/l	98
3) Chloromethane	2.04	50	124723	19.219	ug/l	99
4) Vinyl Chloride	2.17	62	127170	19.736	ug/l	100
5) Bromomethane	2.55	94	78999	19.579	ug/l	100
6) Chloroethane	2.69	64	81346	19.687	ug/l	98
7) Trichlorofluoromethane	3.00	101	152538	19.133	ug/l	100
8) Diethyl Ether	3.39	74	56340	20.449	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84312	19.076	ug/l	98
10) Methyl Iodide	3.93	142	112450	19.344	ug/l	100
11) Tert butyl alcohol	4.76	59	96578	94.422	ug/l	98
12) 1,1-Dichloroethene	3.72	96	80161	19.349	ug/l	98
13) Acrolein	3.59	56	54352	77.337	ug/l	97
14) Allyl chloride	4.30	41	161475	19.262	ug/l	98
15) Acrylonitrile	4.96	53	253662	98.592	ug/l	99
16) Acetone	3.79	43	234792	77.089	ug/l	100
17) Carbon Disulfide	4.03	76	251742	18.863	ug/l	99
18) Methyl Acetate	4.30	43	136426	19.702	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	294157	20.277	ug/l	98
20) Methylene Chloride	4.53	84	99955	19.220	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	91343	19.965	ug/l	95
22) Diisopropyl ether	5.93	45	331907	20.241	ug/l	99
23) Vinyl Acetate	5.87	43	1382024	104.904	ug/l	100
24) 1,1-Dichloroethane	5.82	63	185394	19.499	ug/l	99
25) 2-Butanone	6.82	43	356565	90.186	ug/l	100
26) 2,2-Dichloropropane	6.80	77	148516	18.059	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	101966	19.509	ug/l	99
28) Bromochloromethane	7.18	49	60707	19.171	ug/l	98
29) Tetrahydrofuran	7.19	42	236008	97.581	ug/l	99
30) Chloroform	7.36	83	182140	19.097	ug/l	97
31) Cyclohexane	7.63	56	172505	19.475	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	157599	19.604	ug/l	99
36) 1,1-Dichloropropene	7.77	75	137778	19.558	ug/l	99
37) Ethyl Acetate	6.91	43	152798	19.907	ug/l	99
38) Carbon Tetrachloride	7.76	117	140182	19.316	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	152413	19.269	ug/l	99
40) Benzene	8.03	78	401536	19.411	ug/l	97
41) Methacrylonitrile	7.16	41	57084m	16.698	ug/l	
42) 1,2-Dichloroethane	8.11	62	156728	19.669	ug/l	98
43) Isopropyl Acetate	8.15	43	237050	19.256	ug/l #	92
44) Trichloroethene	8.82	130	97350	19.319	ug/l	95
45) 1,2-Dichloropropane	9.11	63	110005	19.393	ug/l	100
46) Dibromomethane	9.20	93	70569	19.679	ug/l	97
47) Bromodichloromethane	9.39	83	142153	19.234	ug/l	98
48) Methyl methacrylate	9.19	41	109030	19.521	ug/l	99
49) 1,4-Dioxane	9.19	88	34401	375.209	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	744285	103.512	ug/l	99
52) Toluene	10.15	92	244518	19.933	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	157088	19.200	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	167415	19.152	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	97013	19.197	ug/l	98
56) Ethyl methacrylate	10.43	69	148177	18.821	ug/l	99
57) 1,3-Dichloropropane	10.71	76	171502	19.336	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	314090	91.302	ug/l	99
59) 2-Hexanone	10.75	43	541435	97.447	ug/l	100
60) Dibromochloromethane	10.90	129	106261	19.536	ug/l	98
61) 1,2-Dibromoethane	11.00	107	100500	19.433	ug/l	100
64) Tetrachloroethene	10.63	164	86235	19.443	ug/l	97
65) Chlorobenzene	11.43	112	260300	20.189	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	96878	19.912	ug/l	99
67) Ethyl Benzene	11.51	91	467720	20.680	ug/l	99
68) m/p-Xylenes	11.62	106	341944	40.768	ug/l	99
69) o-Xylene	11.95	106	162428	20.305	ug/l	100
70) Styrene	11.97	104	264446	19.009	ug/l	99
71) Bromoform	12.13	173	71719	19.010	ug/l #	98
73) Isopropylbenzene	12.25	105	447442	20.902	ug/l	100
74) N-amyl acetate	12.07	43	199642	20.572	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	150058	19.936	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	132095m	19.458	ug/l	
77) Bromobenzene	12.53	156	105860	20.063	ug/l	98
78) n-propylbenzene	12.59	91	522597	20.653	ug/l	100
79) 2-Chlorotoluene	12.68	91	311766	20.131	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	378147	21.025	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49918	19.156	ug/l	99
82) 4-Chlorotoluene	12.78	91	316902	20.024	ug/l	98
83) tert-Butylbenzene	13.00	119	315814	20.534	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	373879	21.076	ug/l	99
85) sec-Butylbenzene	13.17	105	425518	20.752	ug/l	99
86) p-Isopropyltoluene	13.29	119	380621	21.037	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	190710	20.214	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	186182	19.711	ug/l	98
89) n-Butylbenzene	13.62	91	334587	20.131	ug/l	100
90) Hexachloroethane	13.88	117	70125	19.127	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	186698	20.134	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30870	18.133	ug/l	97

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ClientSampleId :
VN1021MBSD01

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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	14.92	180	103029	19.280	ug/l	99
94) Hexachlorobutadiene	15.01	225	56247	18.715	ug/l	98
95) Naphthalene	15.13	128	297466	19.166	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	103788	19.783	ug/l	99

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

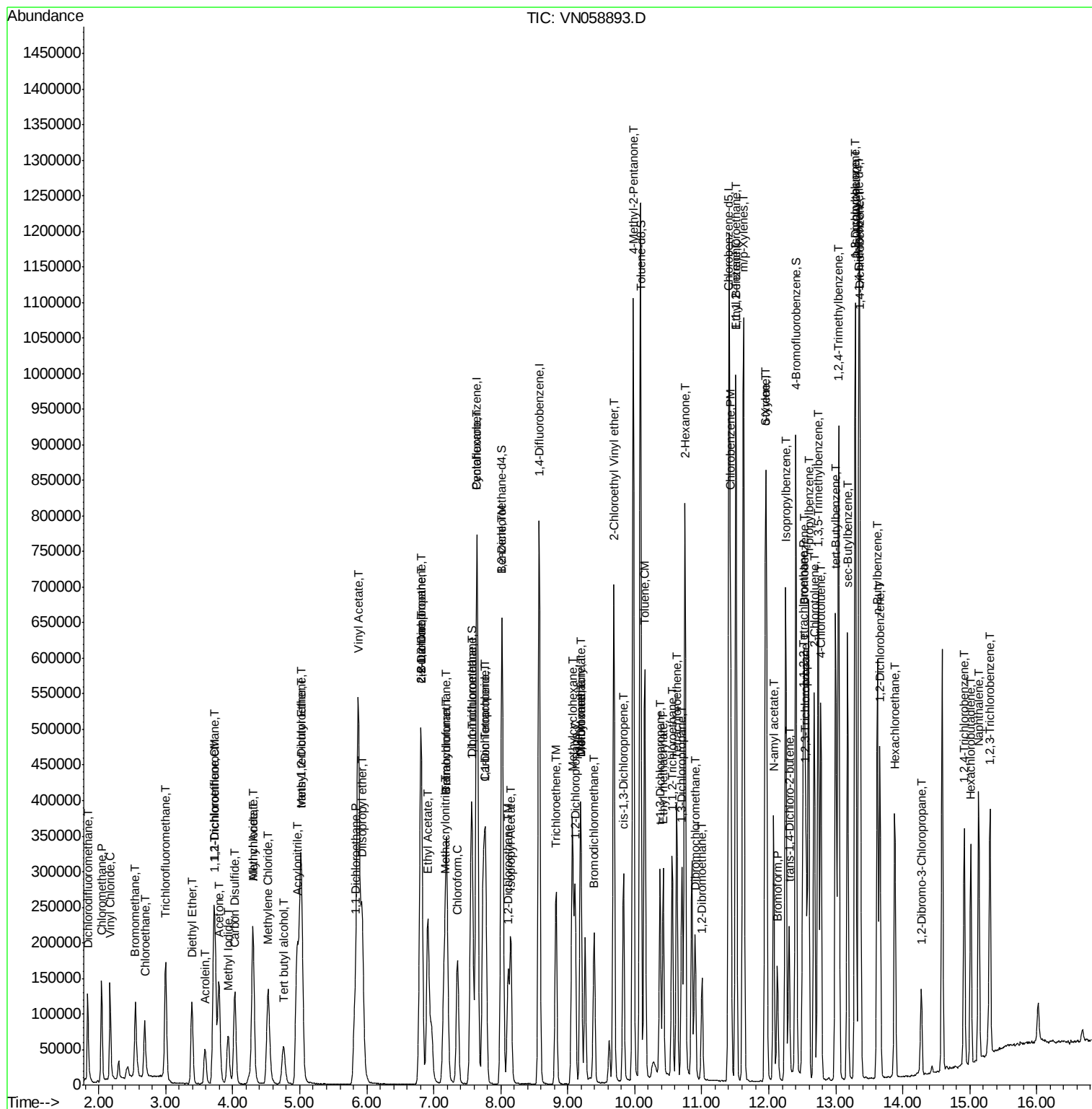
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 Data File : VN058893.D
 Acq On : 21 Oct 2019 16:57
 Operator : JC/SP
 Sample : VN1021MBS01
 Misc : 5.00µL/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

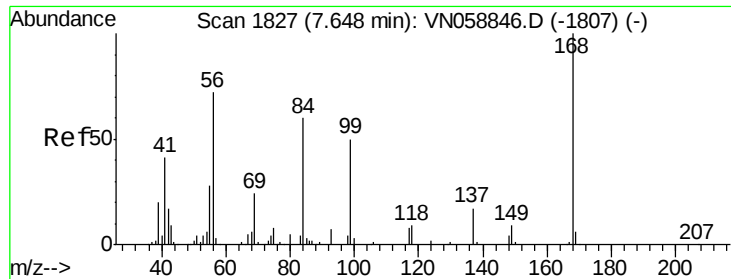
Instrument :
 MSVOA_N
 Client Sample ID :
 VN1021MBS01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

Tot Ion:168 Resp: 420253

Ion Ratio Lower Upper

168 100

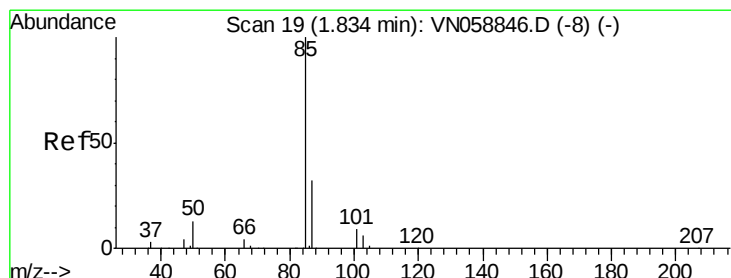
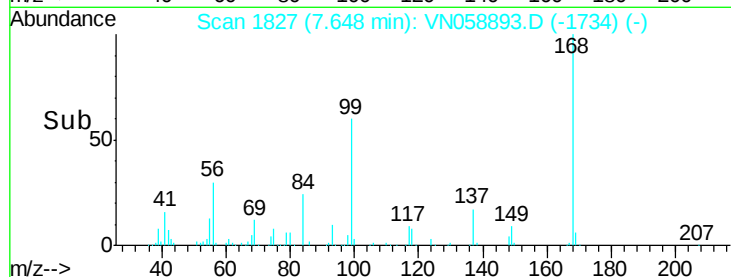
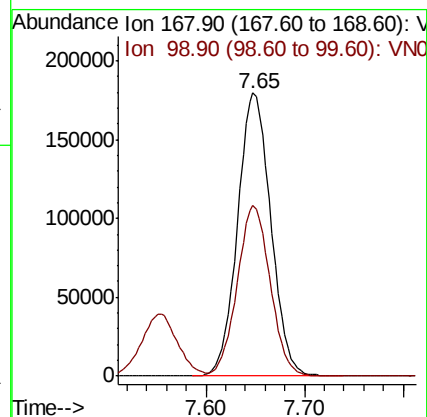
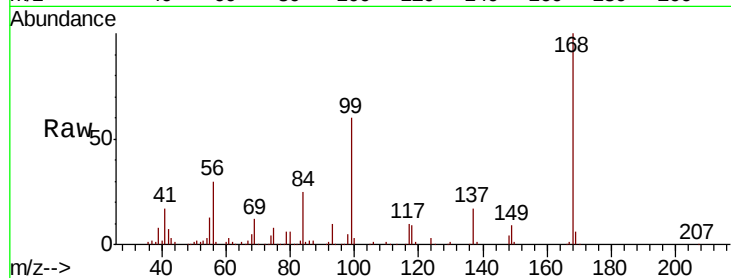
99 60.0 48.1 72.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.402 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN058893.D

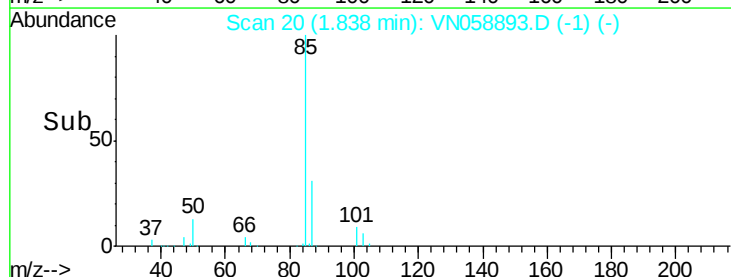
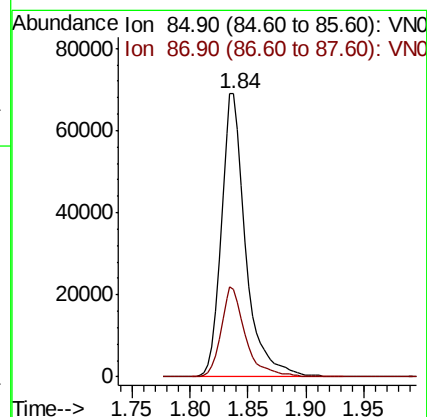
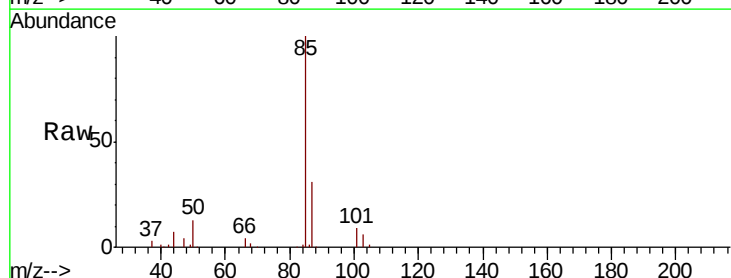
Acq: 21 Oct 2019 16:57

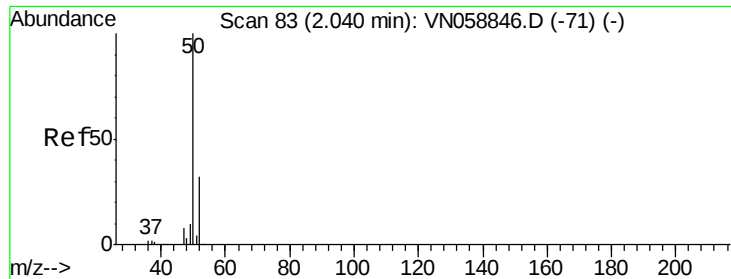
Tgt Ion: 85 Resp: 101661

Ion Ratio Lower Upper

85 100

87 31.1 16.2 48.5





#3

Chloromethane

Concen: 19.219 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

Tot Ion: 50 Resp: 124723

Ion Ratio Lower Upper

50 100

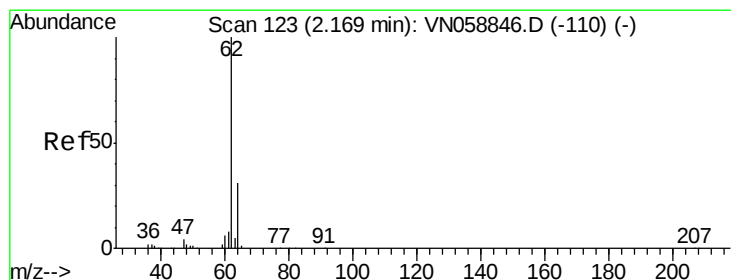
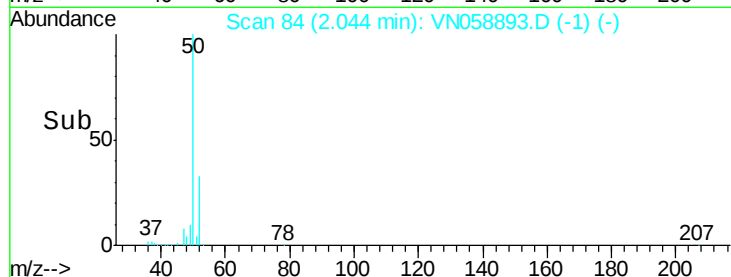
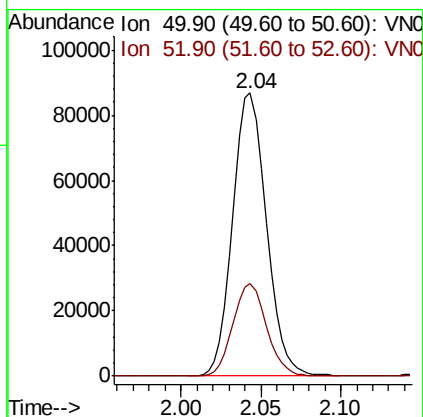
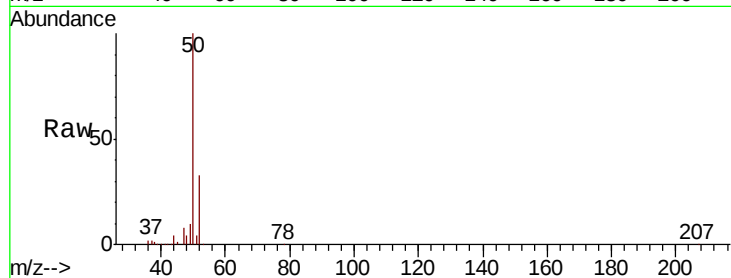
52 32.6 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.736 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058893.D

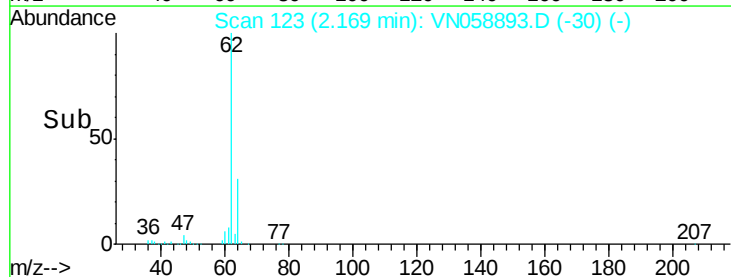
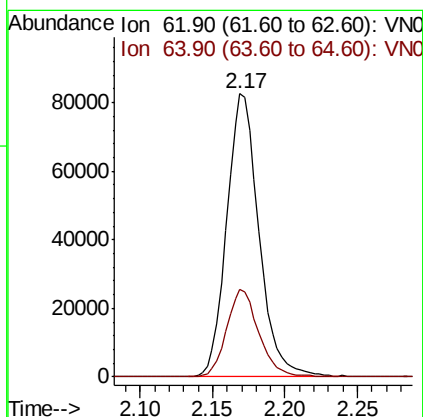
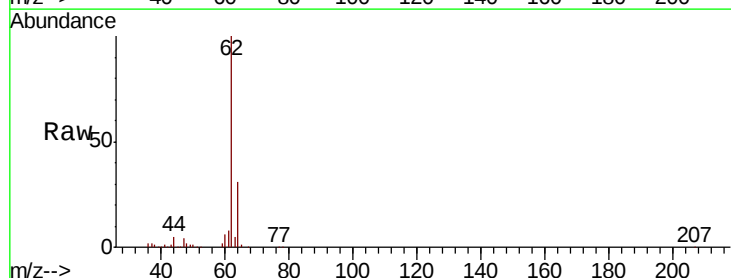
Acq: 21 Oct 2019 16:57

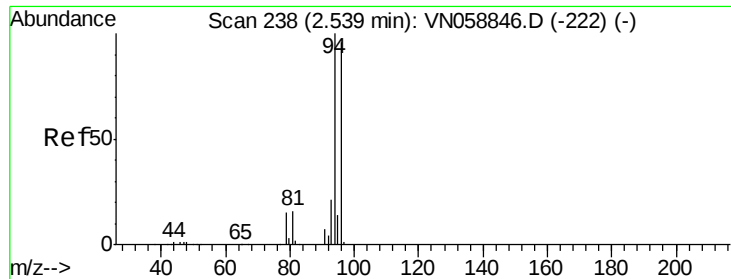
Tgt Ion: 62 Resp: 127170

Ion Ratio Lower Upper

62 100

64 30.9 24.6 36.8





#5

Bromomethane

Concen: 19.579 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

Tot Ion: 94 Resp: 78999

Ion Ratio Lower Upper

94 100

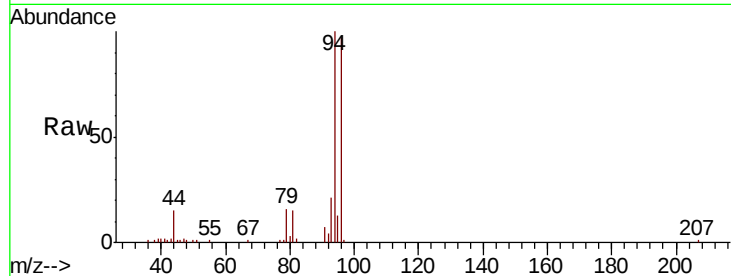
96 96.6 77.0 115.6

Manual Integrations

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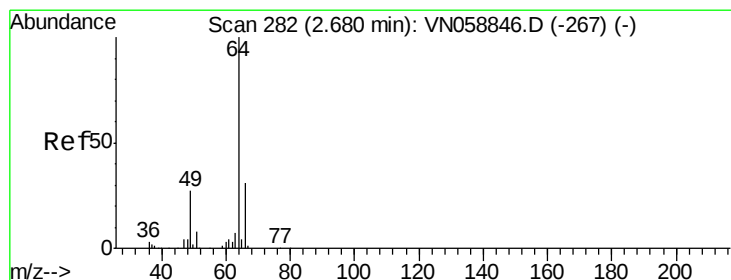
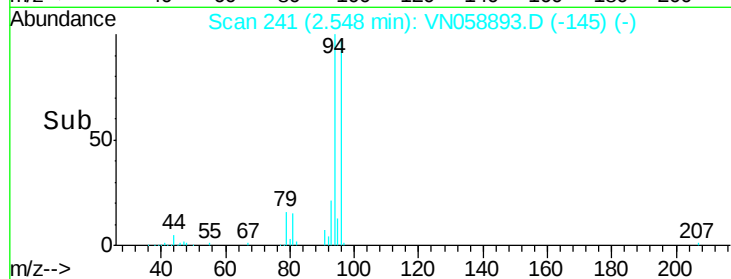
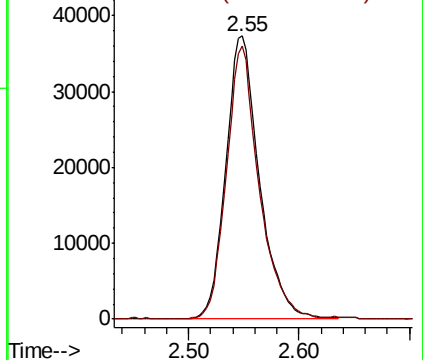
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.687 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058893.D

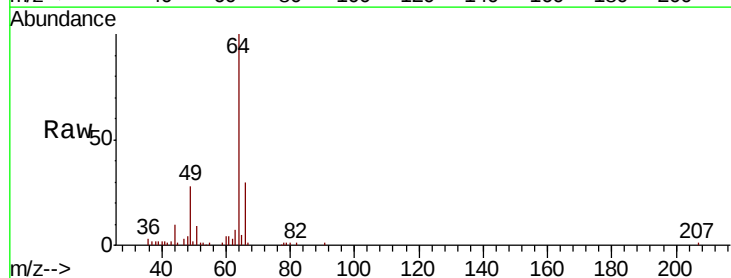
Acq: 21 Oct 2019 16:57

Tgt Ion: 64 Resp: 81346

Ion Ratio Lower Upper

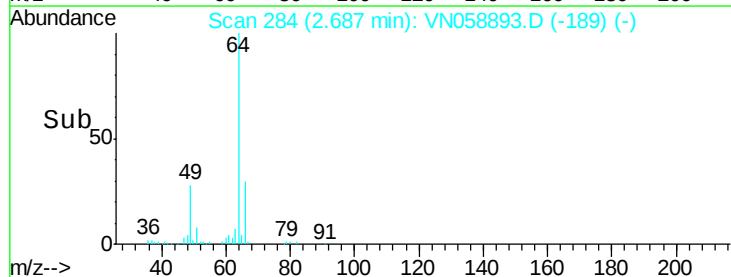
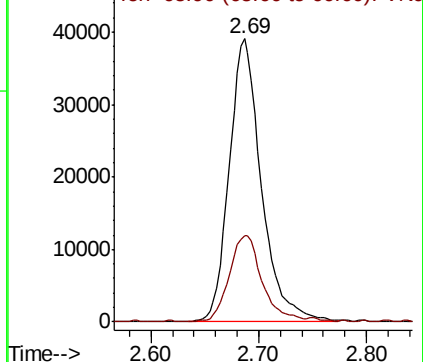
64 100

66 30.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

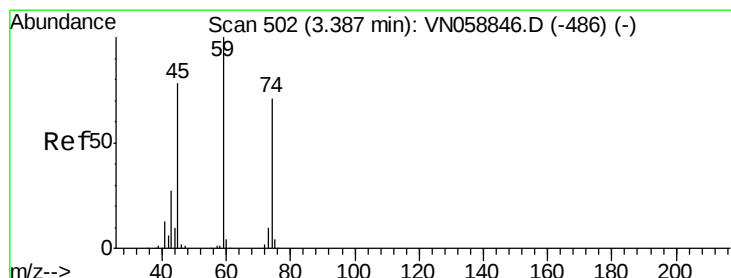
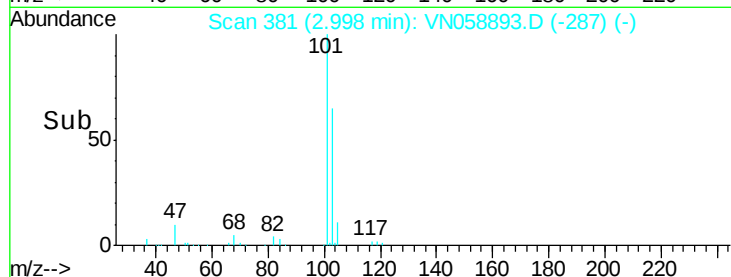
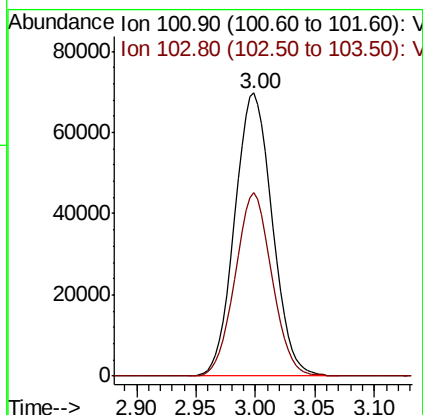
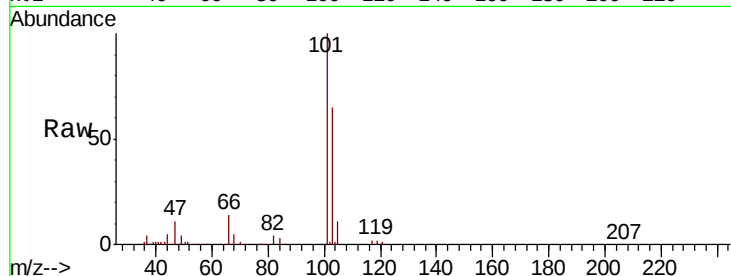
Trichlorofluoromethane
Concen: 19.133 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Instrument :
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VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.2	78.2

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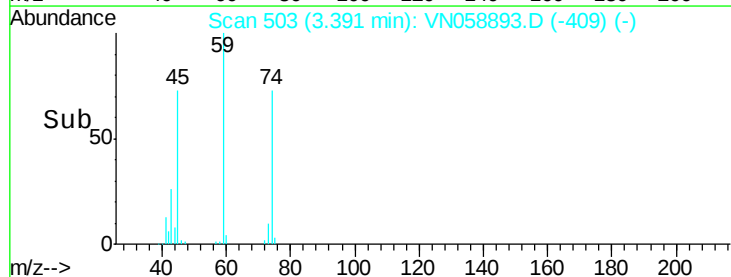
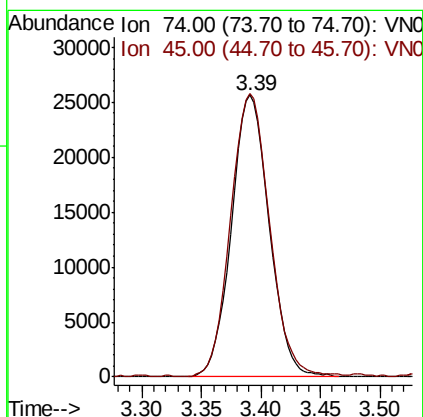
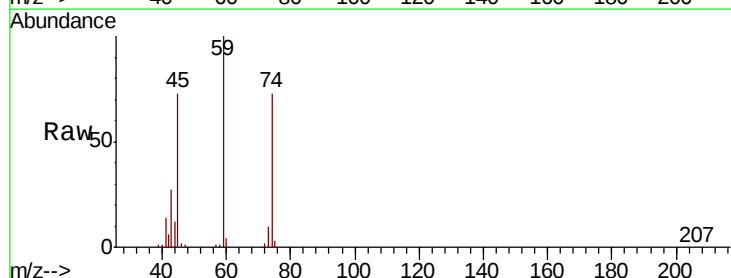
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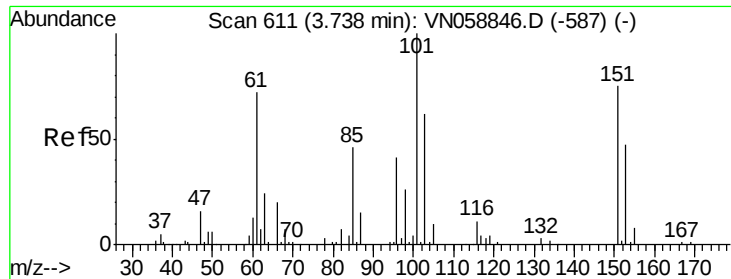


#8

Diethyl Ether
Concen: 20.449 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058893.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.3	54.9	164.5





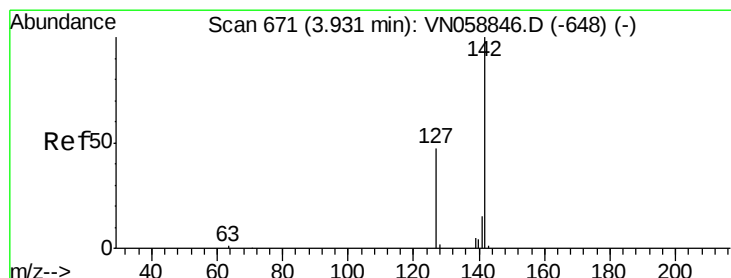
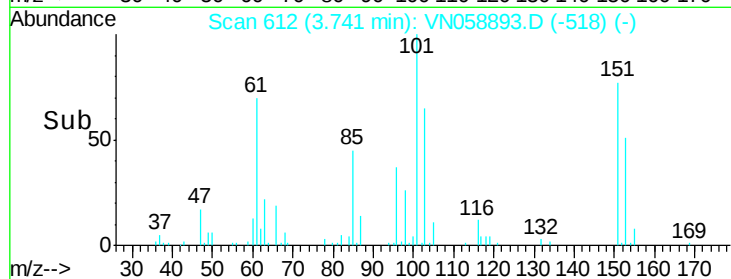
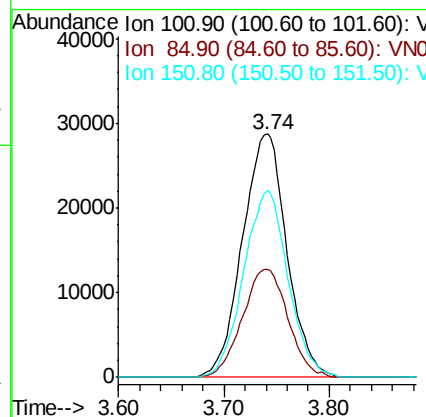
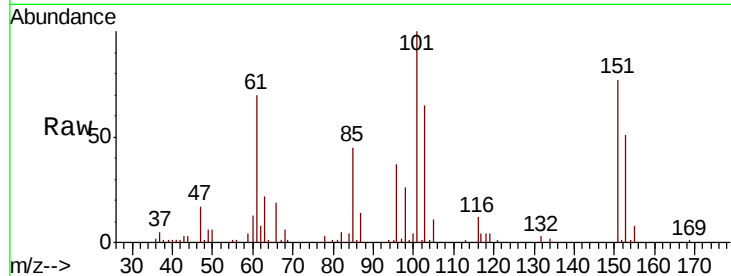
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.076 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.4	37.2	55.8
151	76.6	59.9	89.9

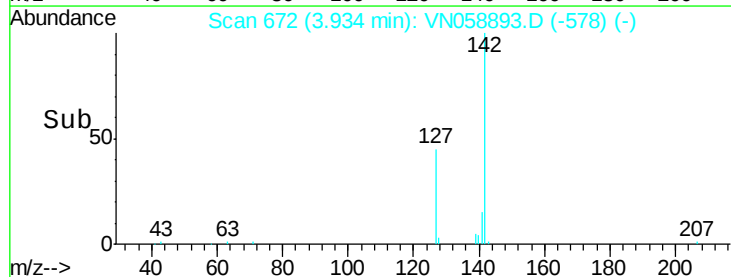
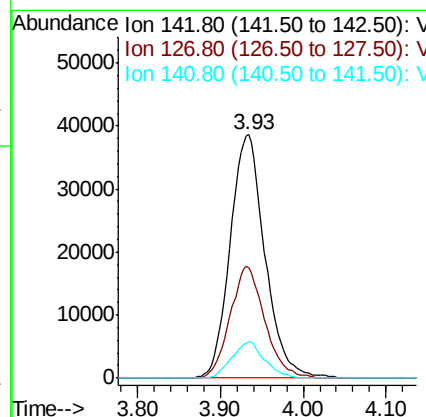
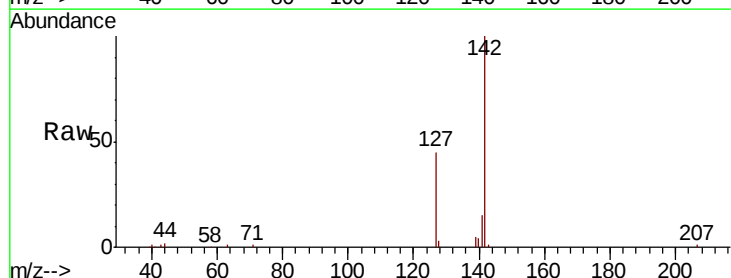
Manual Integrations
 APPROVED

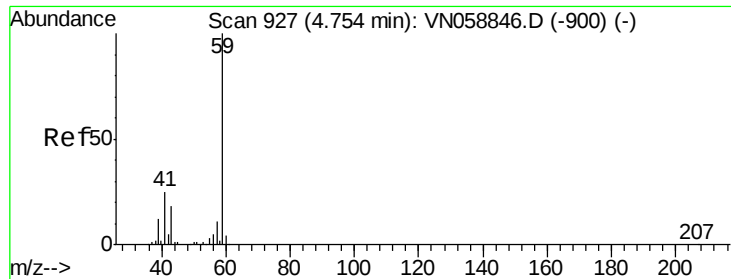
MMDadoda
 10/22/2019 4:55:42 PM



#10
 Methyl Iodide
 Concen: 19.344 ug/l
 RT: 3.93 min Scan# 672
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.8	36.6	54.8
141	14.0	11.4	17.2





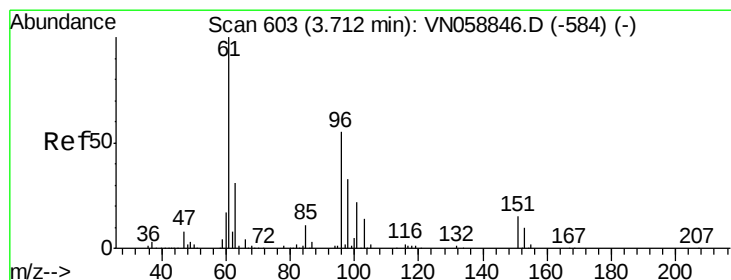
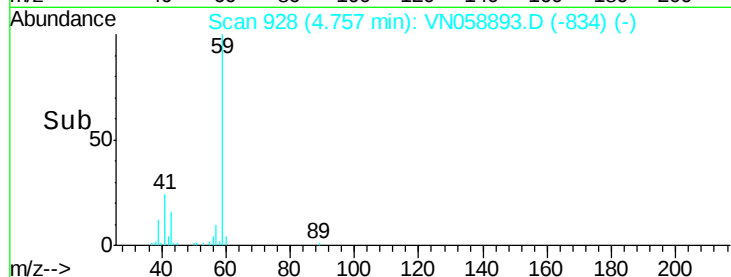
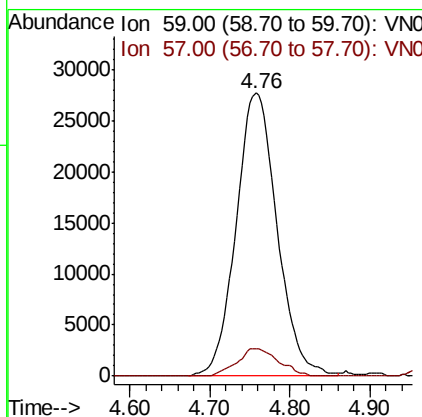
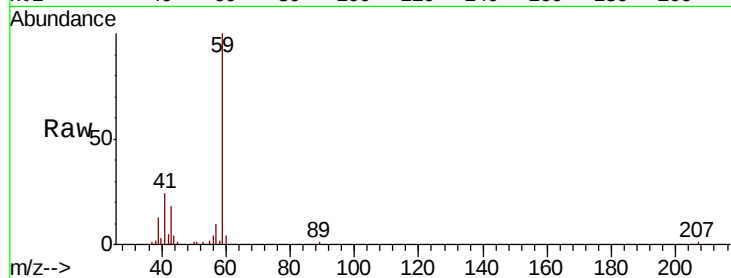
#11
Tert butyl alcohol
Concen: 94.422 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	96578		
57	9.9		8.6	12.8

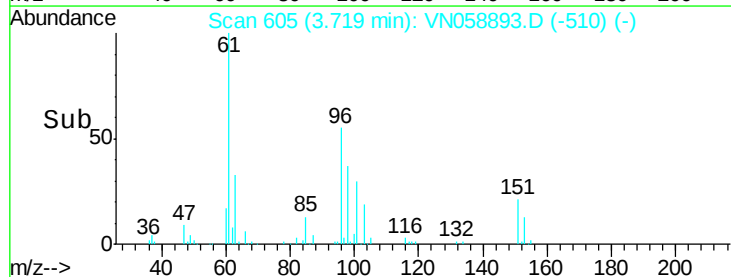
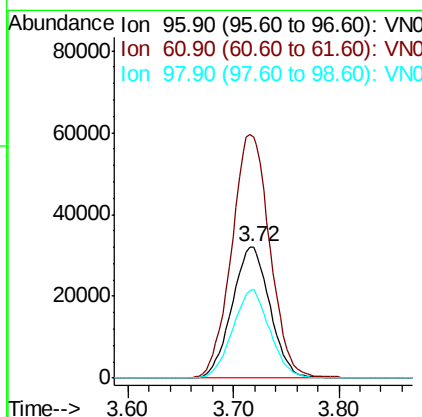
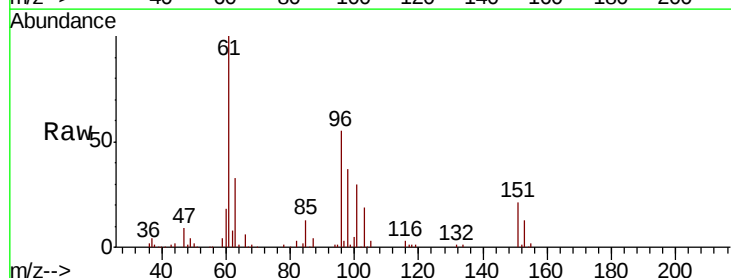
Manual Integrations
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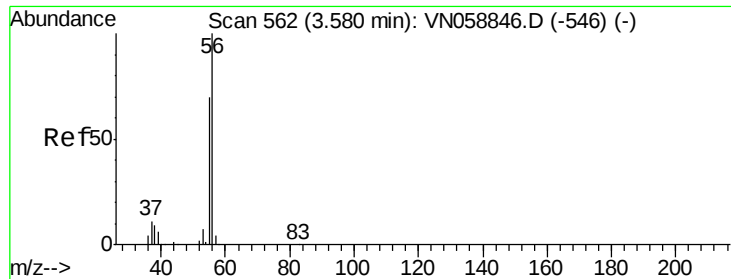
MMDadoda
10/22/2019 4:55:42 PM



#12
1,1-Dichloroethene
Concen: 19.349 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.01 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	80161		
61	183.2		146.2	219.2
98	67.5		48.7	73.1





#13

Acrolein

Concen: 77.337 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

Tot Ion: 56 Resp: 54352

Ion Ratio Lower Upper

56 100

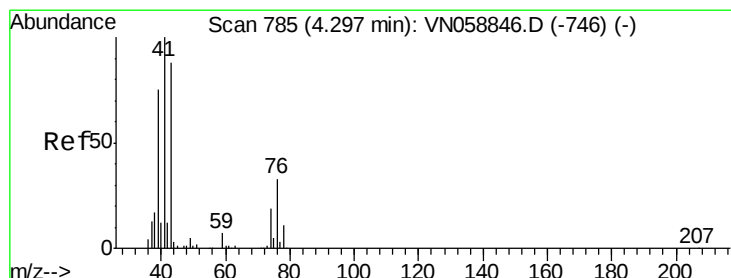
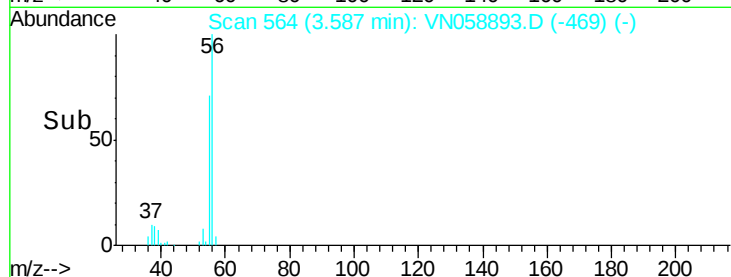
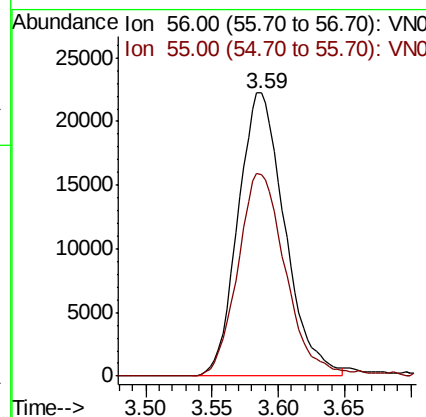
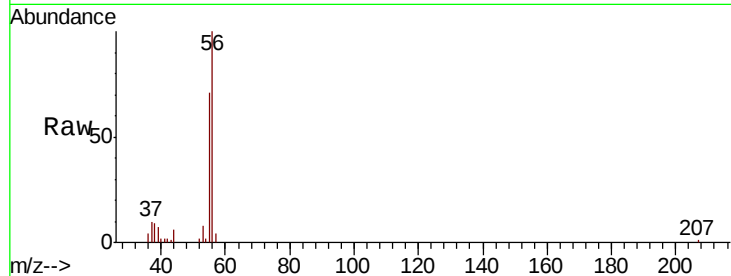
55 72.9 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.262 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

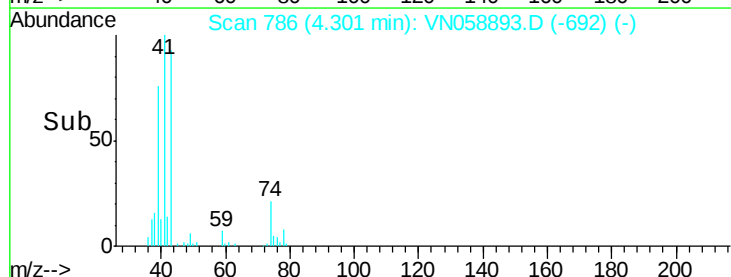
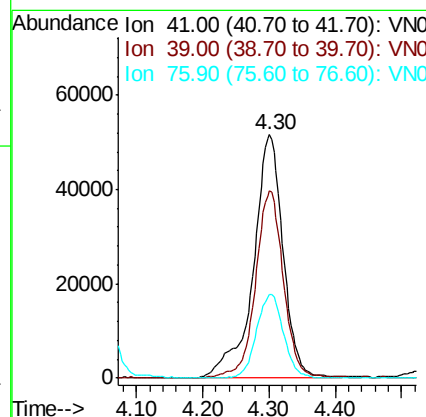
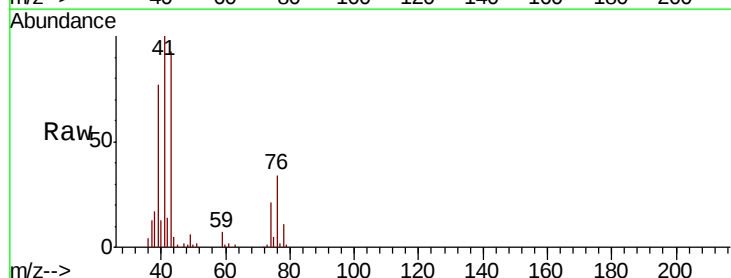
Tgt Ion: 41 Resp: 161475

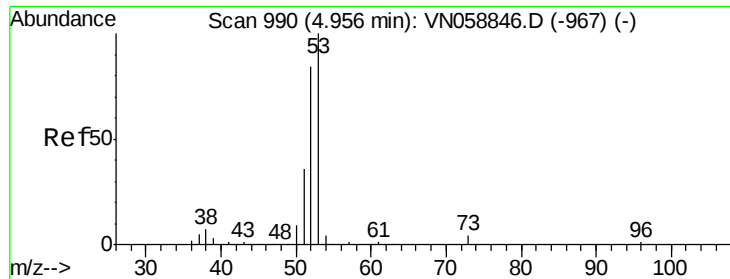
Ion Ratio Lower Upper

41 100

39 71.8 55.9 83.9

76 31.1 24.1 36.1





#15

Acrylonitrile

Concen: 98.592 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

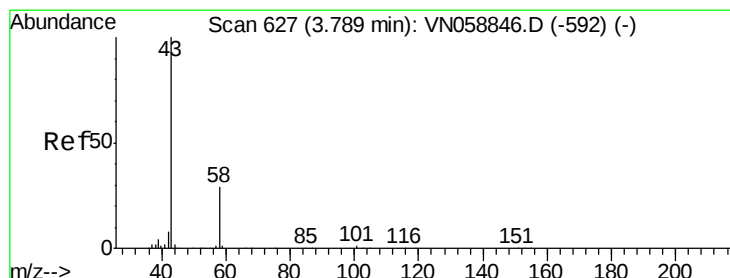
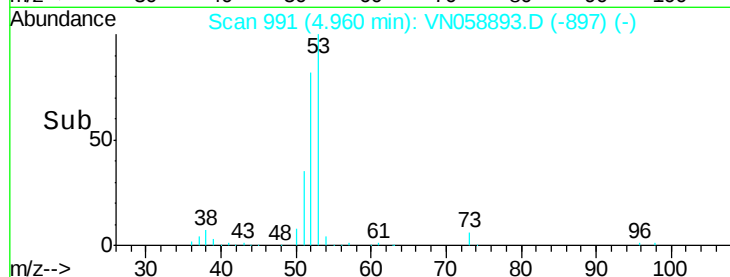
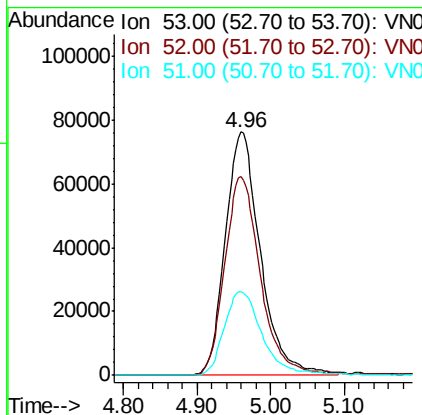
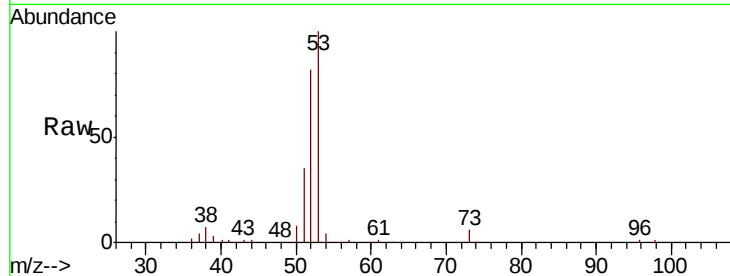
ClientSampleId :

VN1021MBSD01

Tot Ion:	53	Resp:	253662
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.6	99.8
51	37.1	29.2	43.8

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#16

Acetone

Concen: 77.089 ug/l

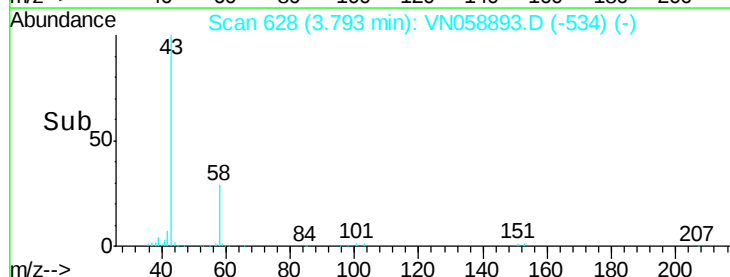
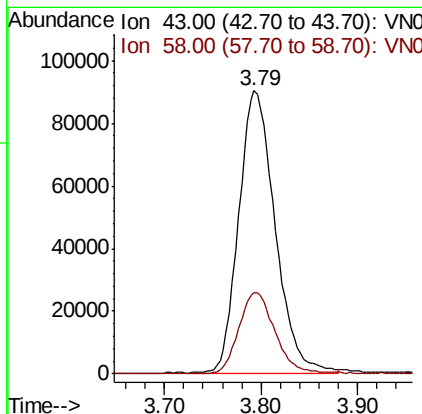
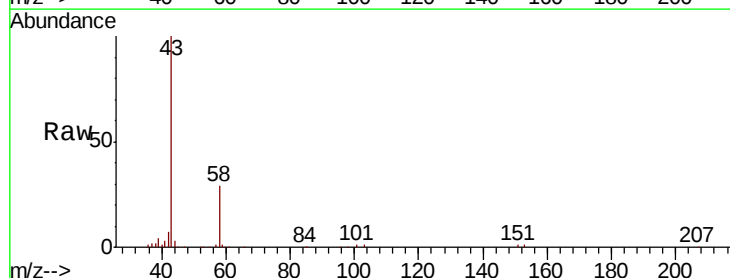
RT: 3.79 min Scan# 628

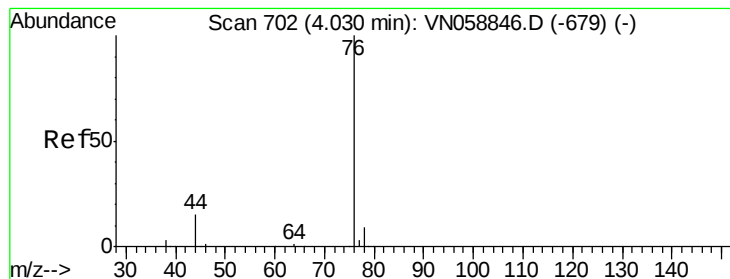
Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Tgt Ion:	43	Resp:	234792
Ion Ratio	Lower	Upper	
43	100		
58	28.9	23.1	34.7





#17

Carbon Disulfide

Concen: 18.863 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

Tot Ion: 76 Resp: 251742

Ion Ratio Lower Upper

76 100

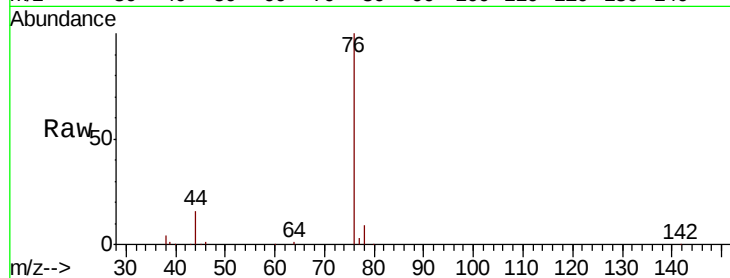
78 8.7 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

100000

80000

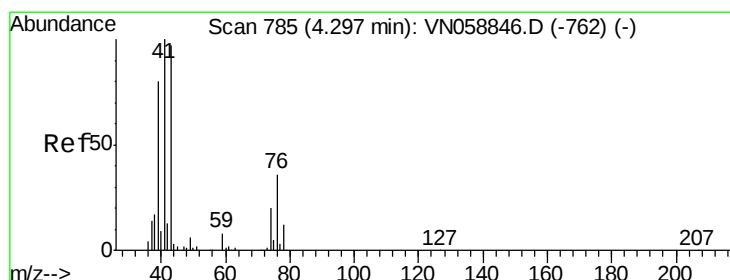
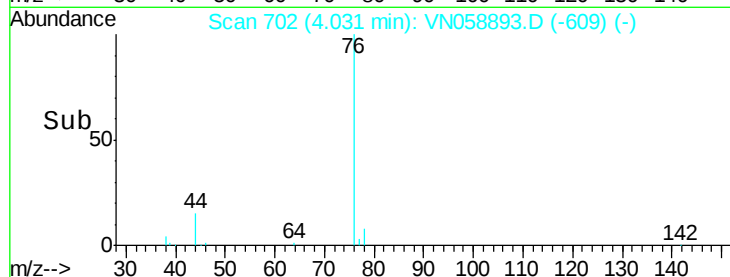
60000

40000

20000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 19.702 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.01 min

Lab File: VN058893.D

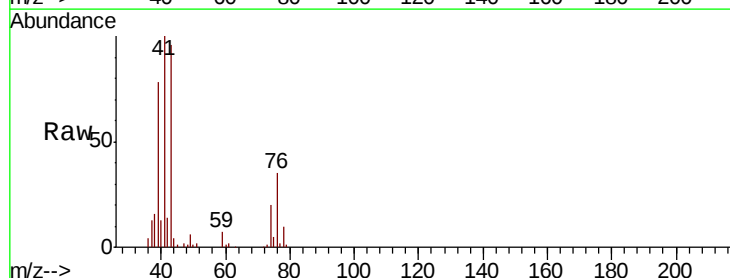
Acq: 21 Oct 2019 16:57

Tgt Ion: 43 Resp: 136426

Ion Ratio Lower Upper

43 100

74 21.7 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.30

50000

40000

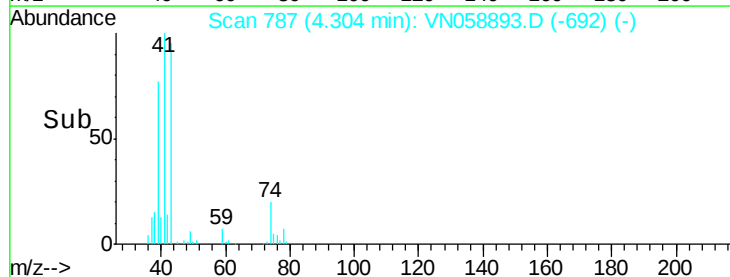
30000

20000

10000

0

Time--> 4.20 4.30 4.40





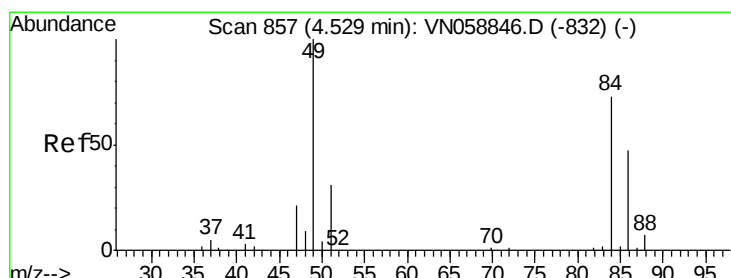
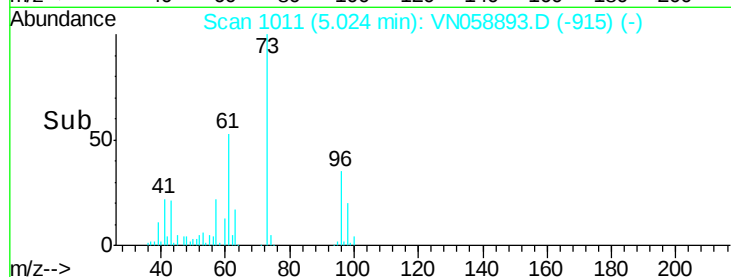
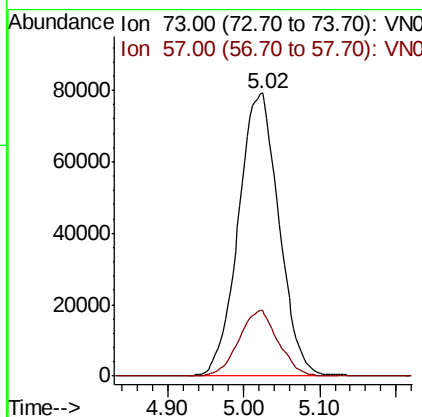
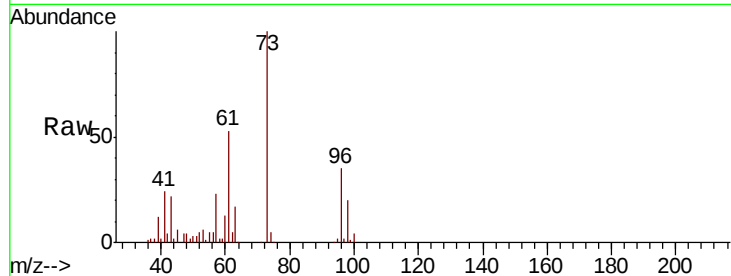
#19
Methvl tert-butvl Ether
Concen: 20.277 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Tot Ion: 73 Resp: 294157
Ion Ratio Lower Upper
73 100
57 23.2 17.9 26.9

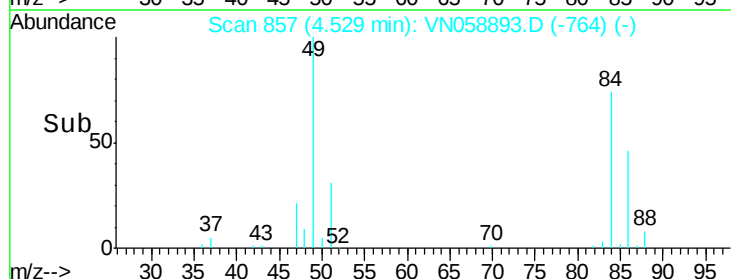
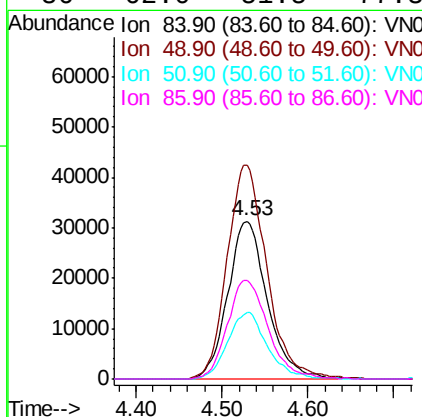
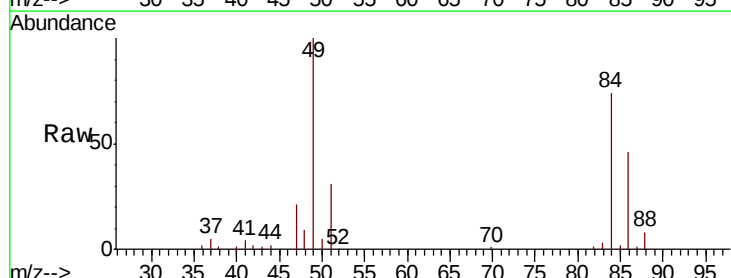
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#20
Methylene Chloride
Concen: 19.220 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion: 84 Resp: 99955
Ion Ratio Lower Upper
84 100
49 135.1 109.6 164.4
51 41.7 33.8 50.6
86 62.0 51.5 77.3





#21

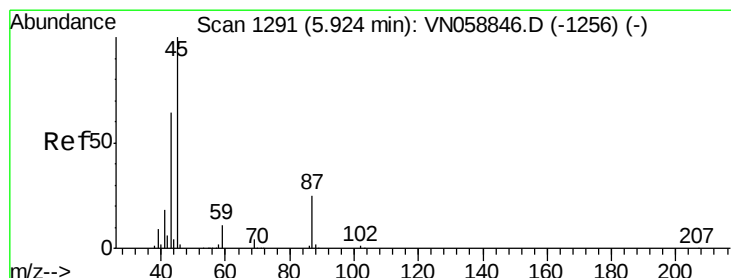
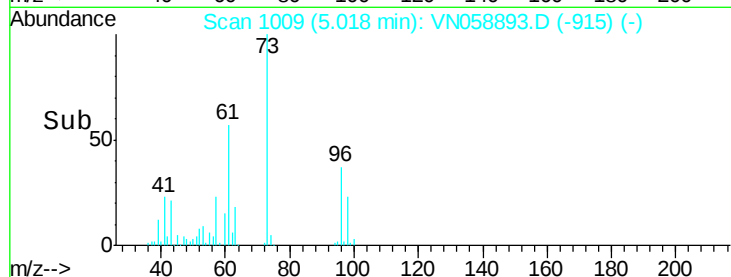
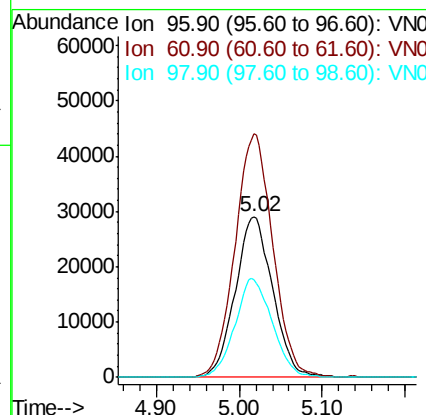
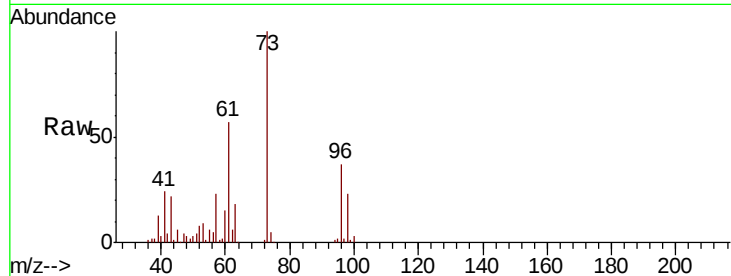
trans-1,2-Dichloroethene
Concen: 19.965 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.4	126.7	190.1
98	60.6	52.0	78.0

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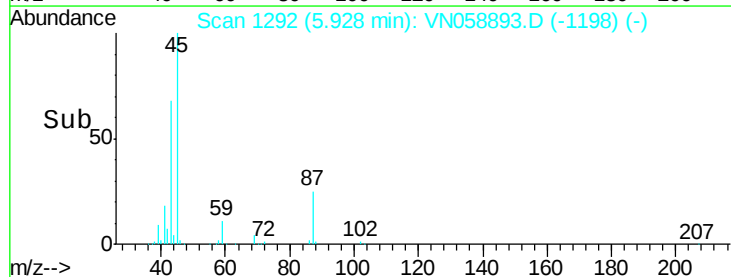
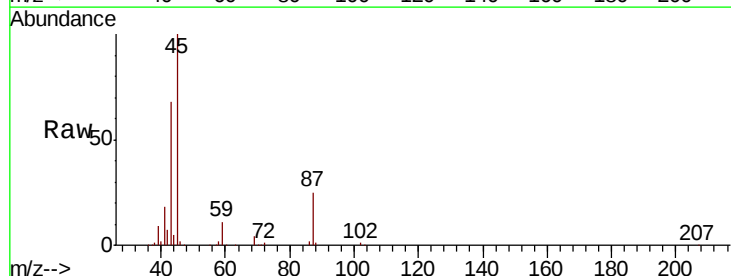
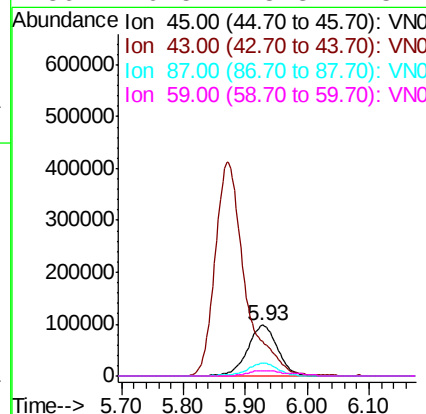
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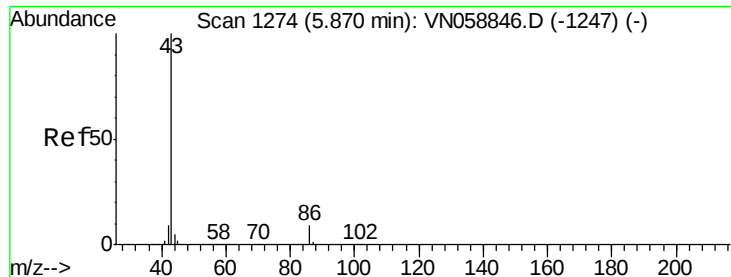


#22

Diisopropyl ether
Concen: 20.241 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.5	52.9	79.3
87	25.1	20.2	30.4
59	10.5	8.8	13.2





#23

Vinyl Acetate

Concen: 104.904 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

Tot Ion: 43 Resp: 1382024

Ion Ratio Lower Upper

43 100

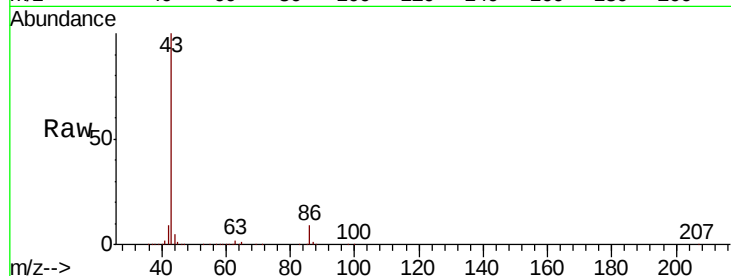
86 9.0 7.2 10.8

Manual Integrations

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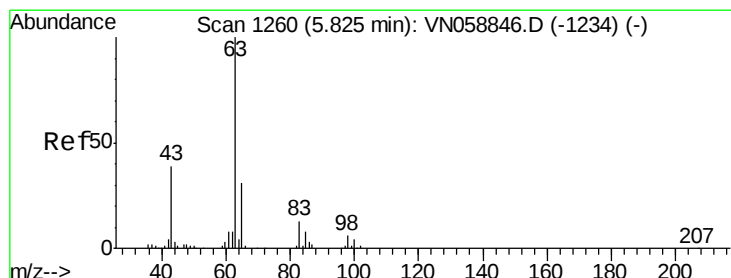
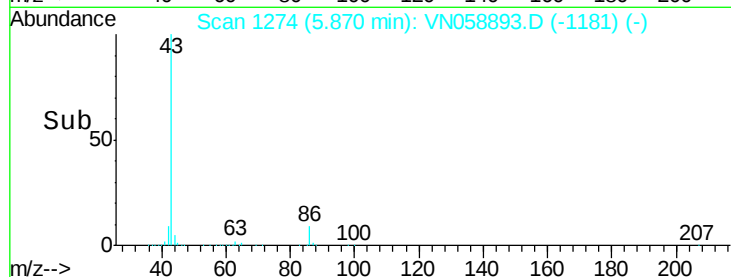
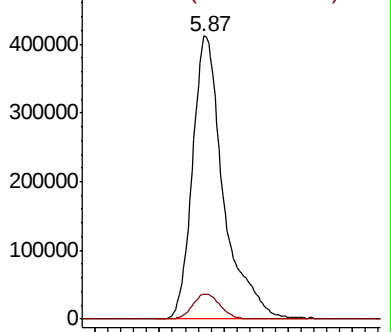
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.499 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

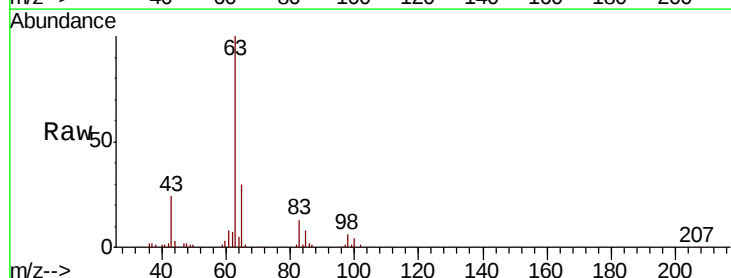
Tgt Ion: 63 Resp: 185394

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

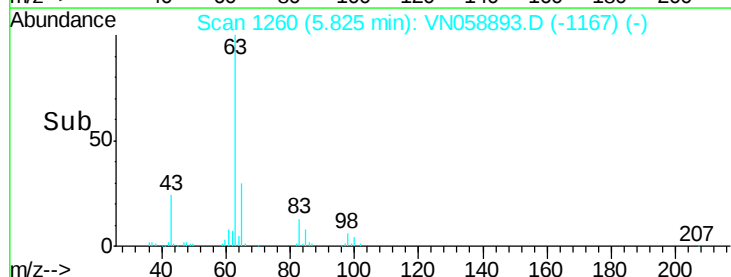
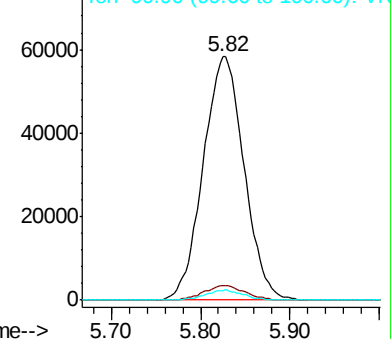
100 4.1 1.9 5.7

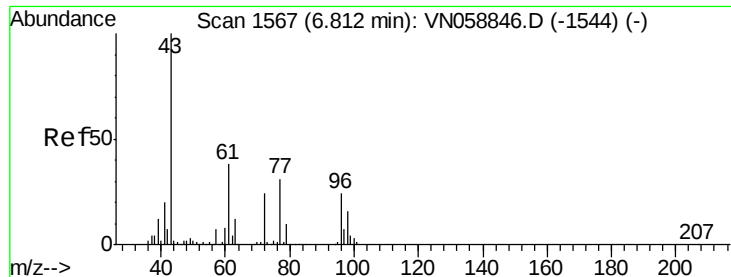


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 90.186 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Tot Ion: 43 Resp: 356565

Ion Ratio Lower Upper

43 100

72 23.9 19.1 28.7

Instrument :

MSVOA_N

ClientSampleId :

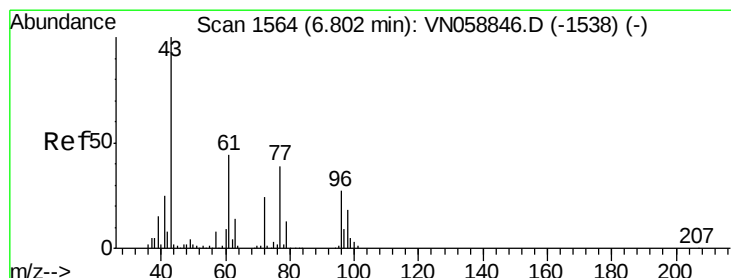
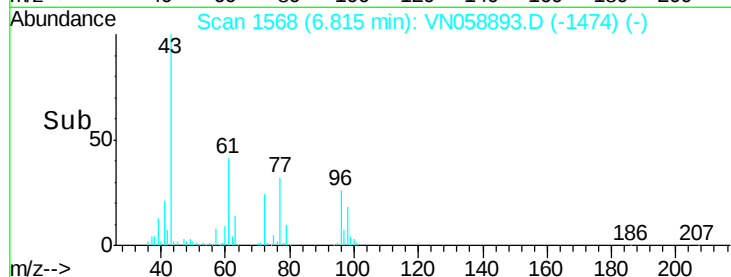
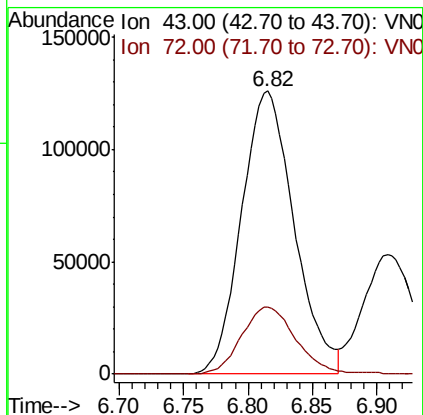
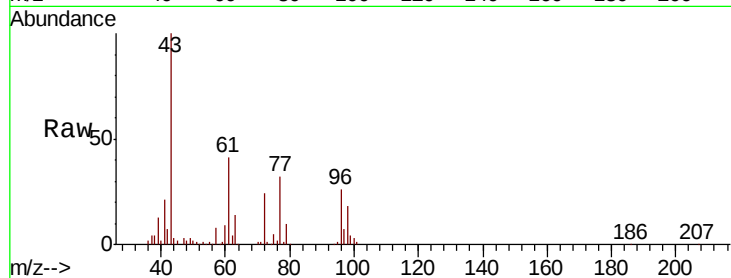
VN1021MBSD01

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#26

2,2-Dichloropropane

Concen: 18.059 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058893.D

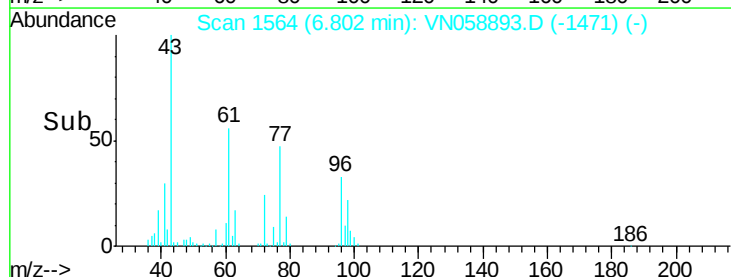
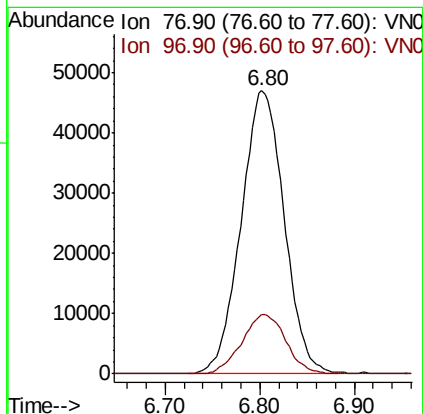
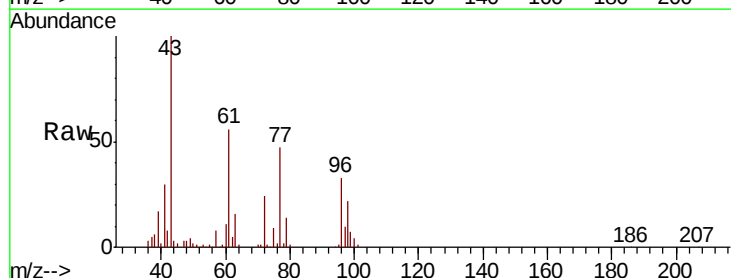
Acq: 21 Oct 2019 16:57

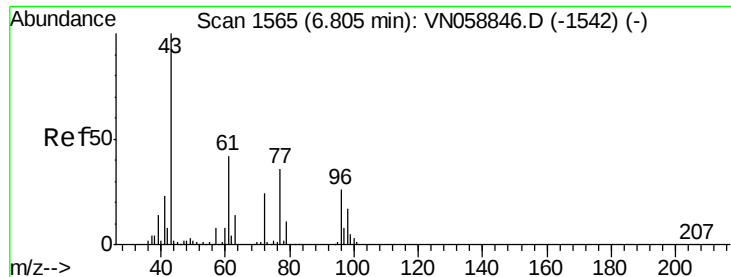
Tgt Ion: 77 Resp: 148516

Ion Ratio Lower Upper

77 100

97 21.4 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 19.509 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

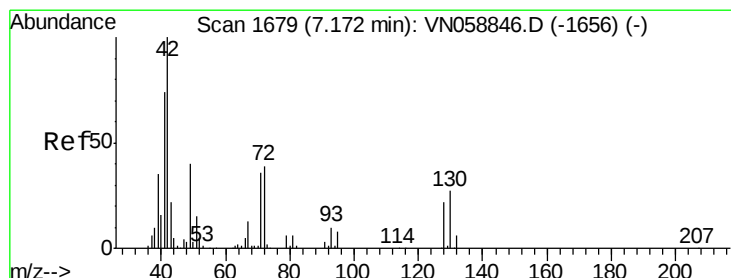
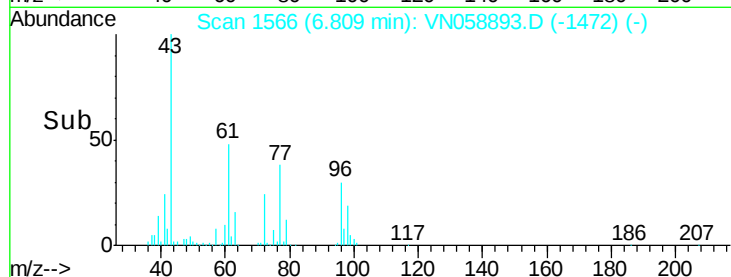
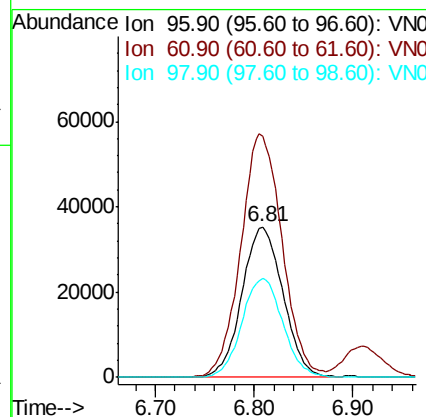
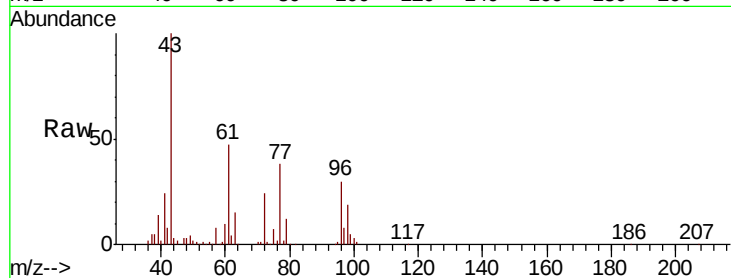
ClientSampleId :

VN1021MBSD01

Tot Ion:	96	Resp:	101966
Ion Ratio	Lower	Upper	
96	100		
61	162.9	0.0	325.0
98	65.4	0.0	128.0

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#28

Bromochloromethane

Concen: 19.171 ug/l

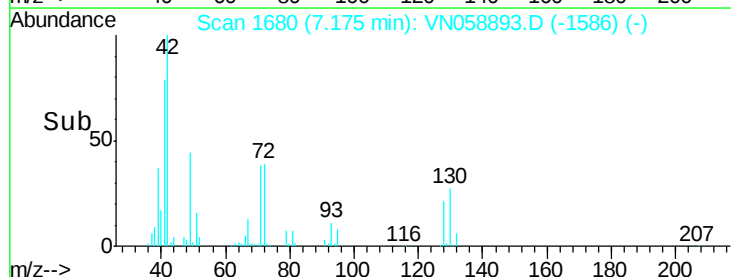
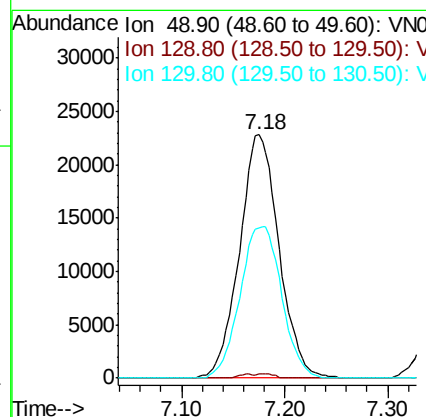
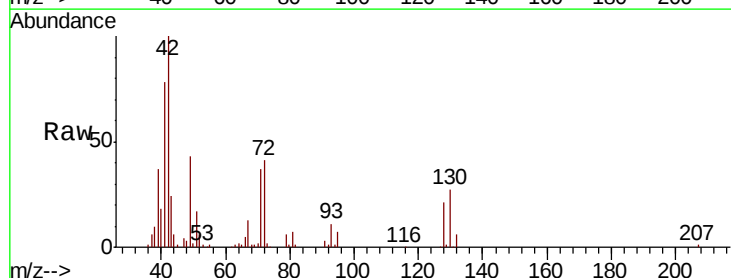
RT: 7.18 min Scan# 1680

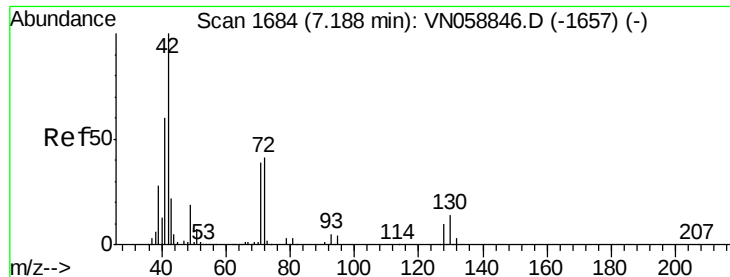
Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Tgt Ion:	49	Resp:	60707
Ion Ratio	Lower	Upper	
49	100		
129	0.8	0.0	3.2
130	65.5	53.5	80.3





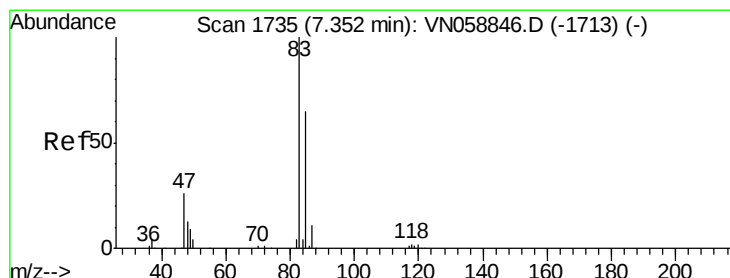
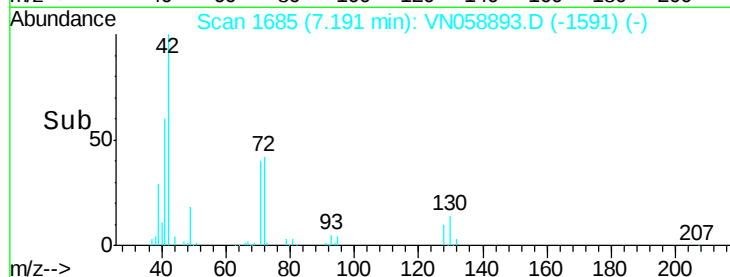
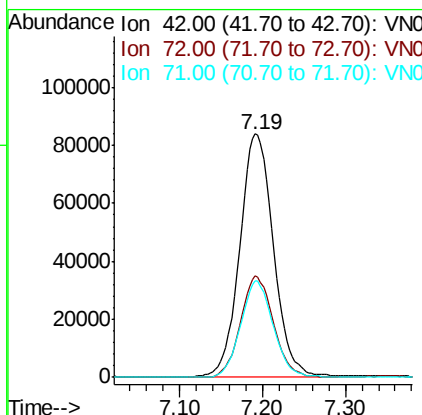
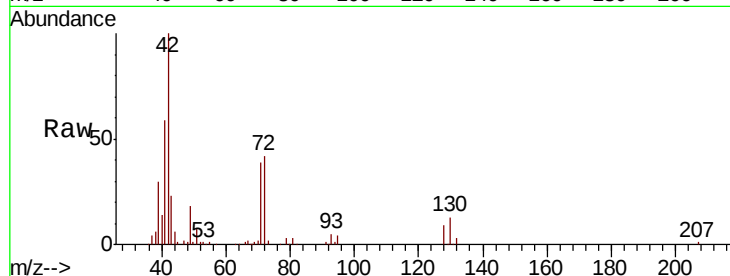
#29
Tetrahydrofuran
Concen: 97.581 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.2	48.2
71	38.5	30.6	45.8

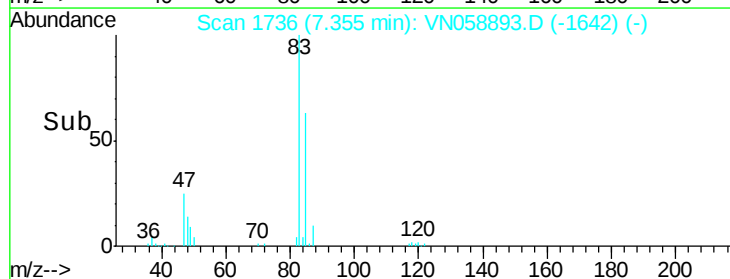
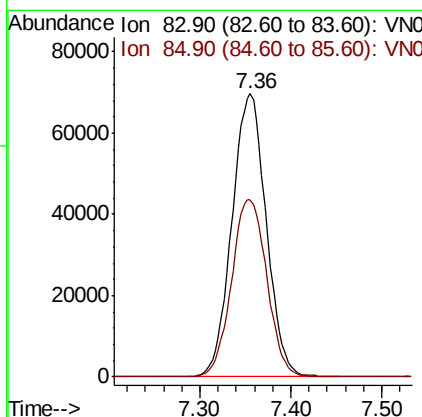
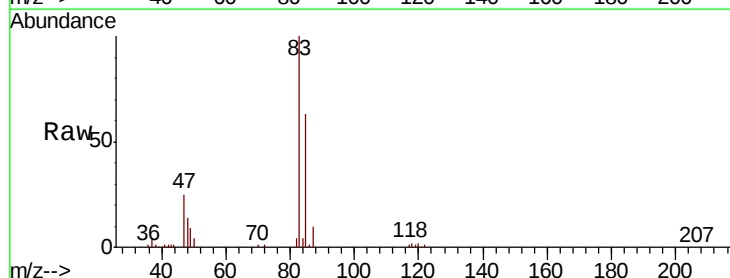
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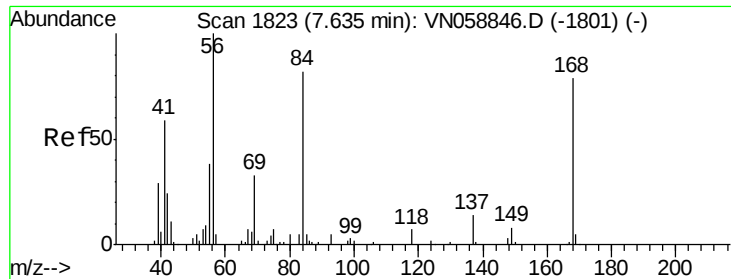
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#30
Chloroform
Concen: 19.097 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.9	77.9





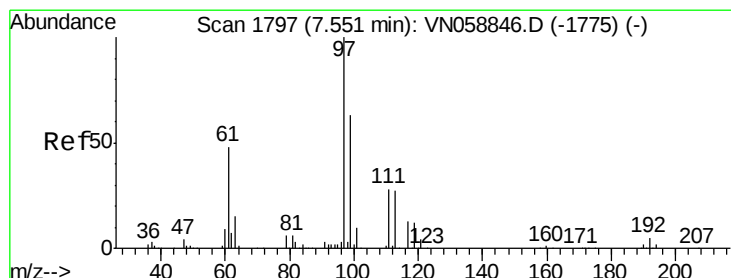
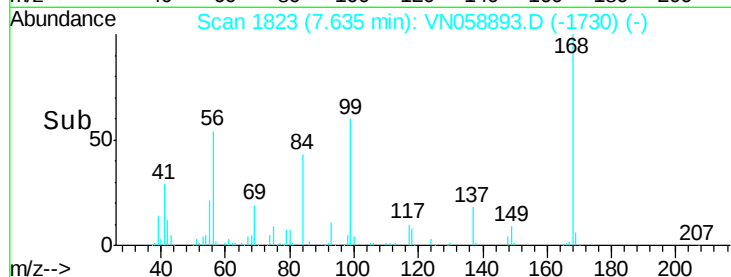
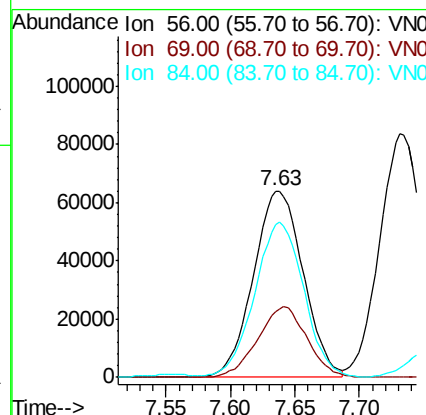
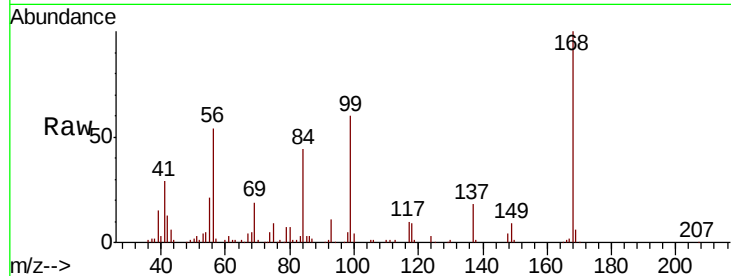
#31
Cyclohexane
Concen: 19.475 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.2	26.2	39.4
84	80.9	65.6	98.4

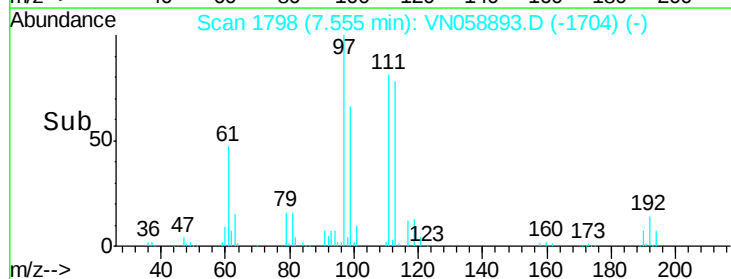
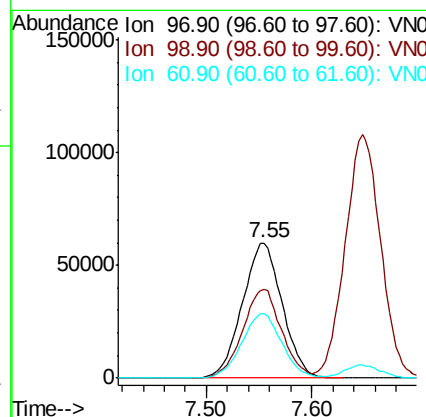
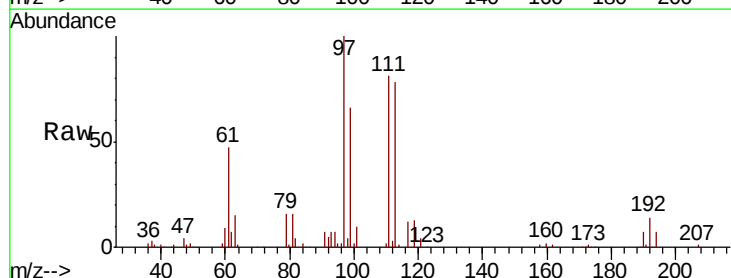
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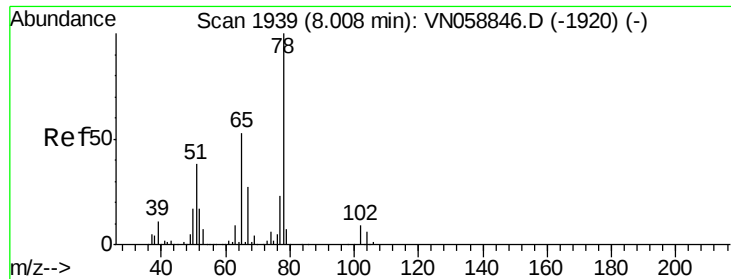
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#32
1,1,1-Trichloroethane
Concen: 19.604 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	47.9	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 49.282 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

Tot Ion: 65 Resp: 303759

Ion Ratio Lower Upper

65 100

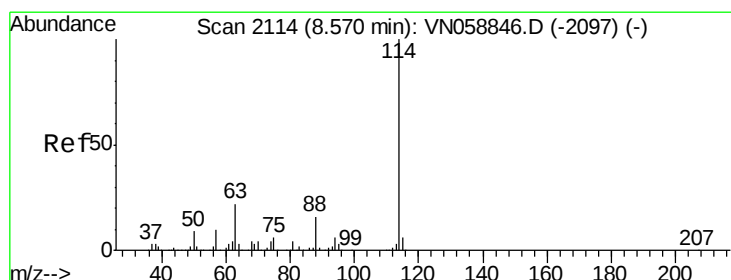
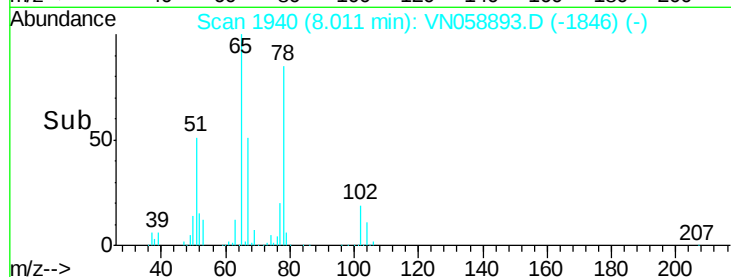
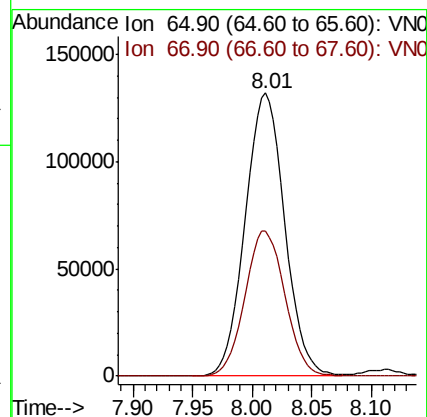
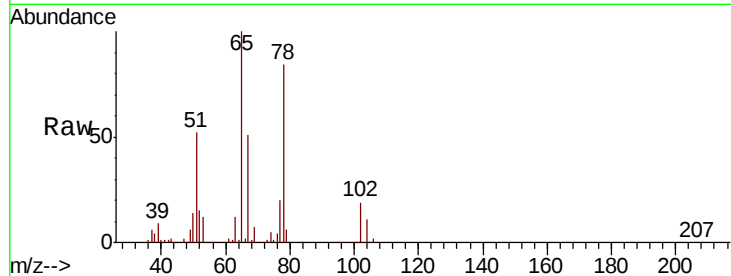
67 51.9 0.0 103.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

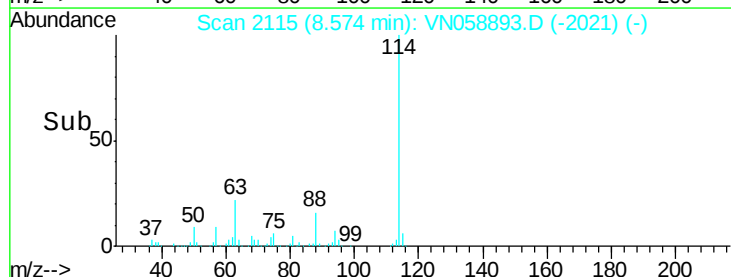
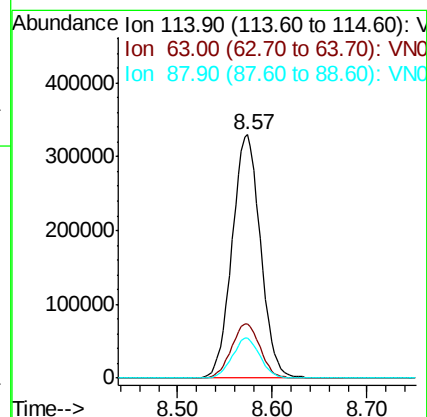
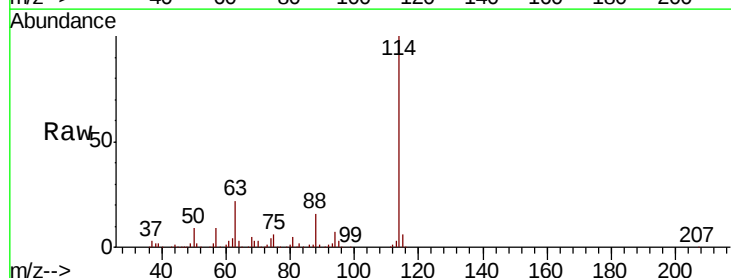
Tgt Ion: 114 Resp: 688074

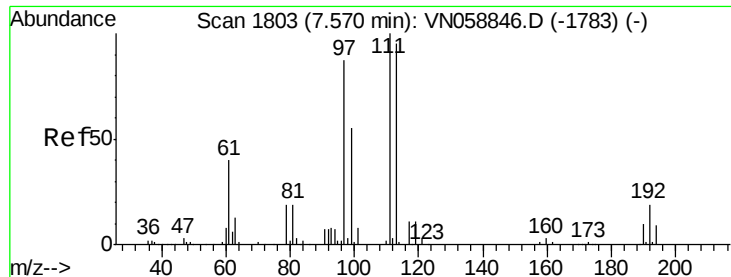
Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.4

88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.388 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

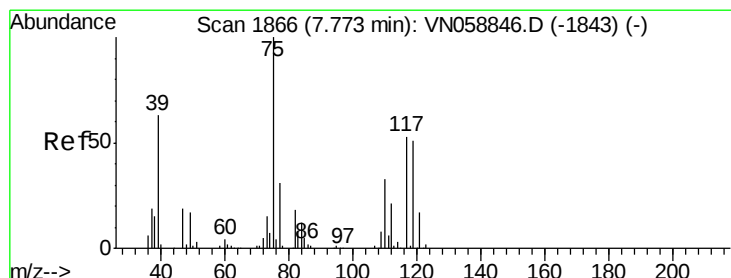
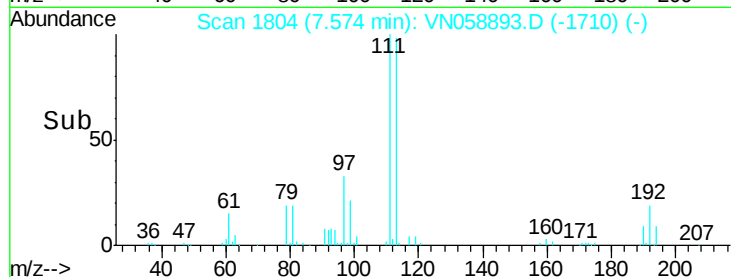
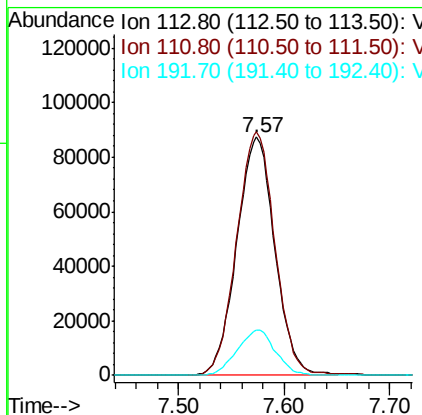
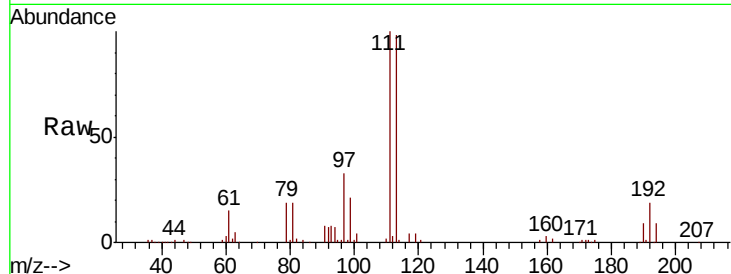
ClientSampleId :

VN1021MBSD01

Tot Ion:	113	Resp:	218904
Ion Ratio	Lower	Upper	
113	100		
111	102.7	82.0	123.0
192	19.1	15.0	22.6

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#36

1,1-Dichloropropene

Concen: 19.558 ug/l

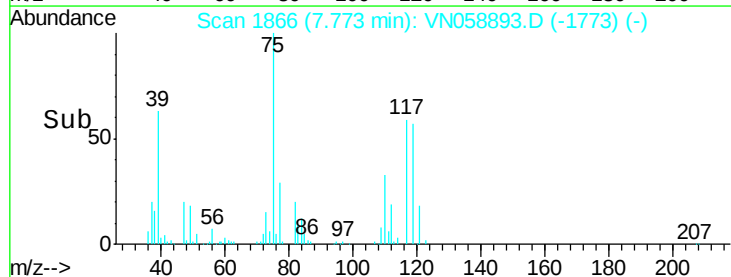
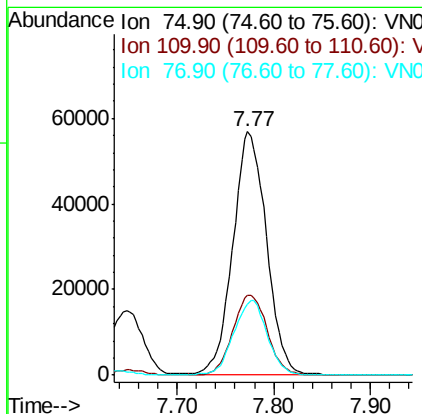
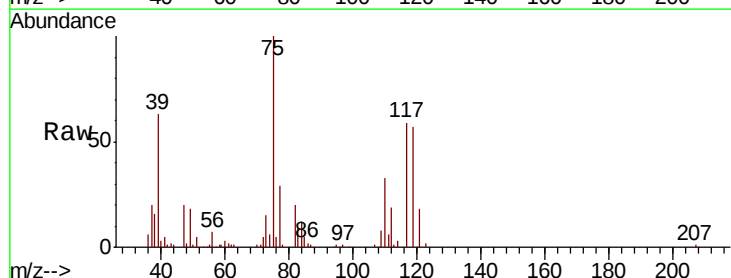
RT: 7.77 min Scan# 1866

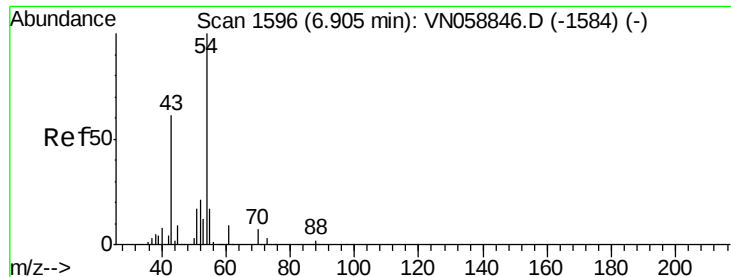
Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Tgt Ion:	75	Resp:	137778
Ion Ratio	Lower	Upper	
75	100		
110	33.5	16.3	48.9
77	30.5	24.6	36.8





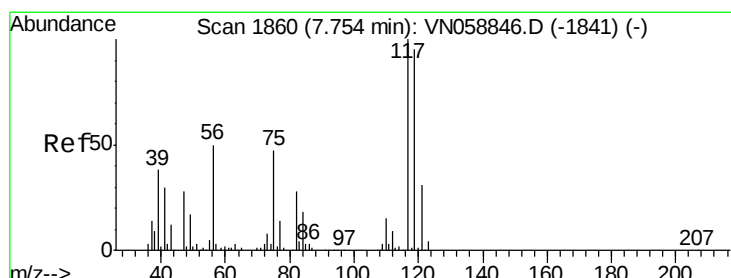
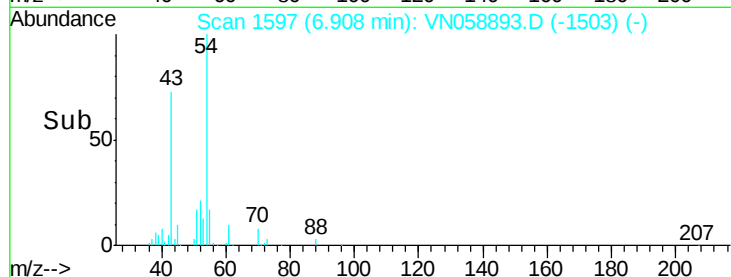
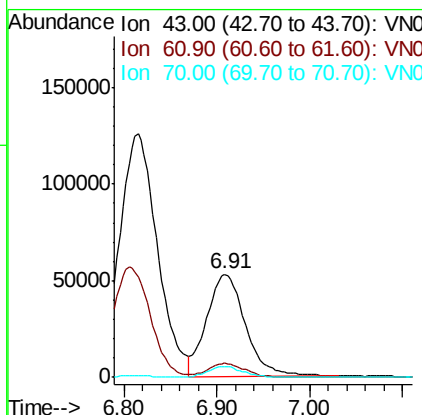
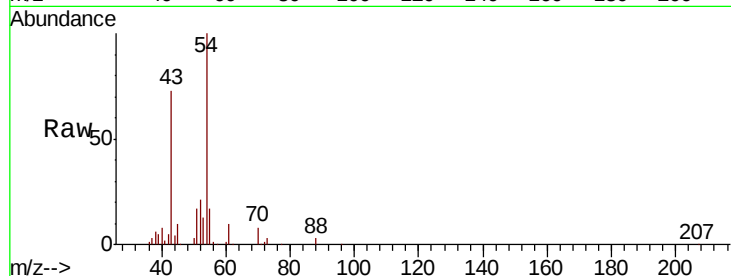
#37
Ethyl Acetate
Concen: 19.907 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.9	7.6	11.4

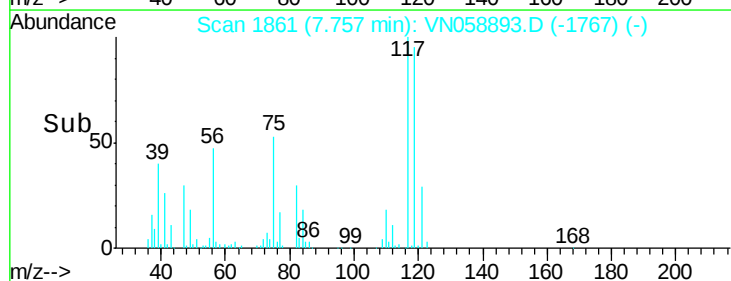
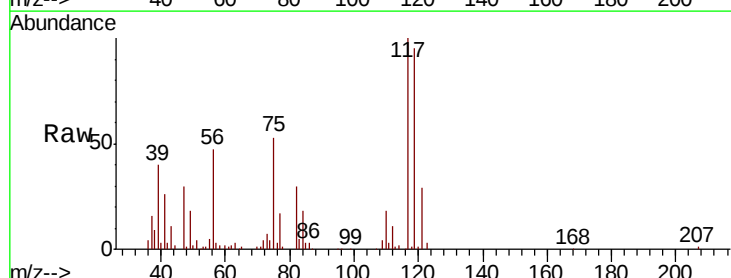
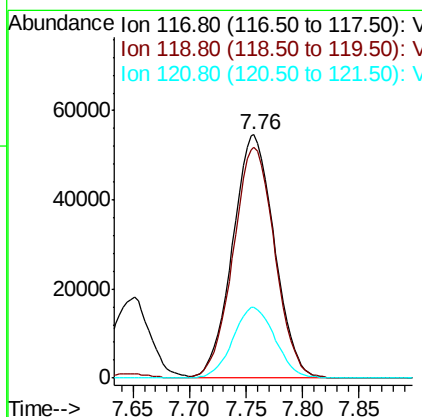
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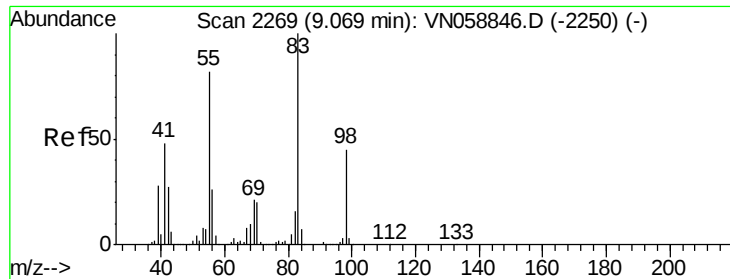
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#38
Carbon Tetrachloride
Concen: 19.316 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.7	113.5
121	29.1	25.0	37.6





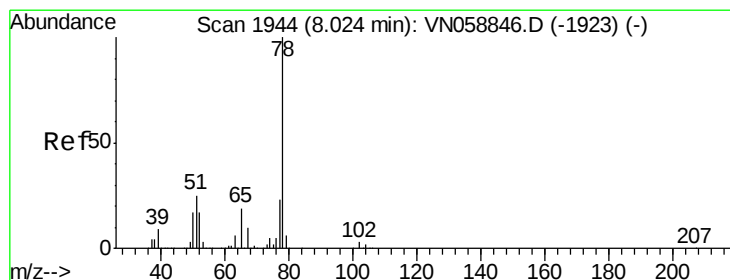
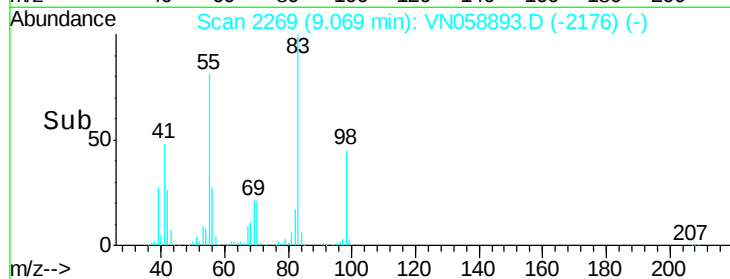
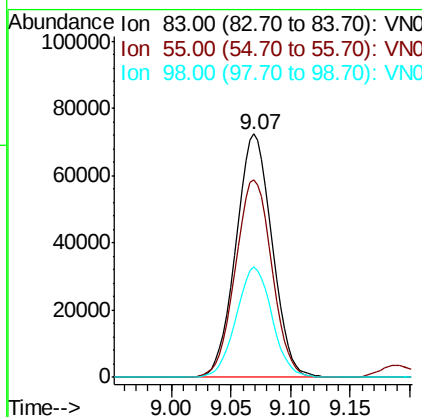
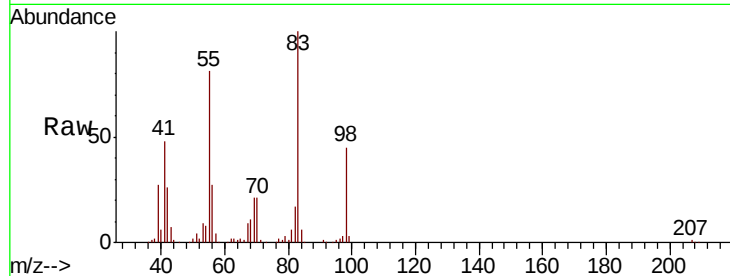
#39
Methvlcvclohexane
Concen: 19.269 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.0	65.5	98.3
98	45.3	35.7	53.5

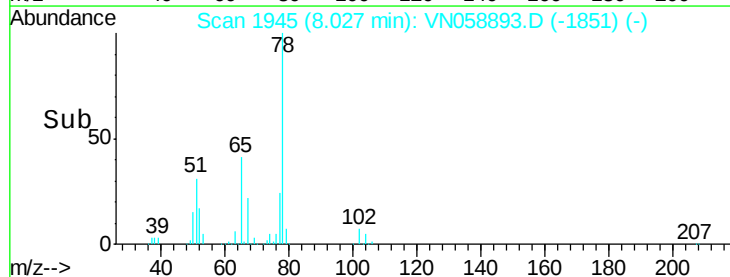
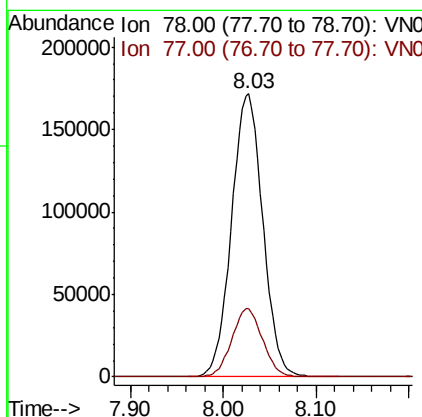
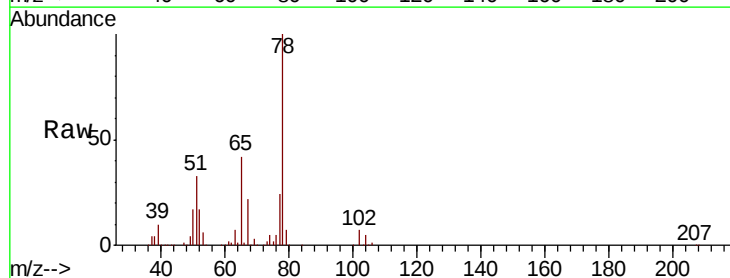
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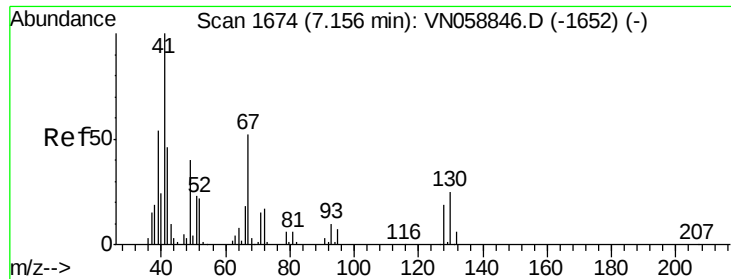
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#40
Benzene
Concen: 19.411 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.2	27.2





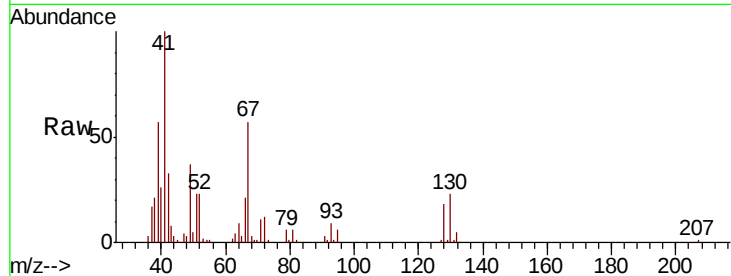
#41
Methacrylonitrile
Concen: 16.698 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

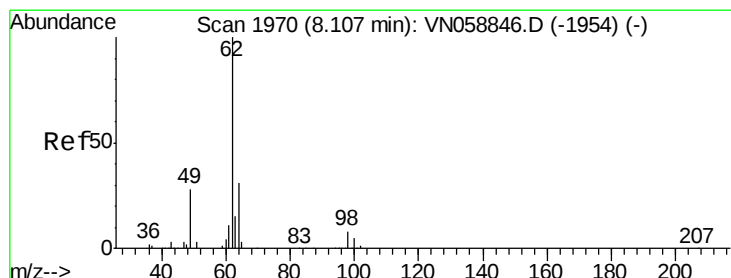
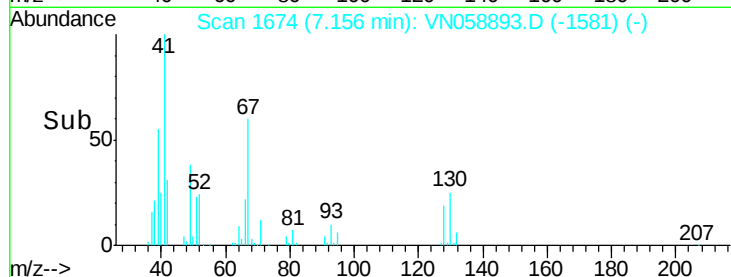
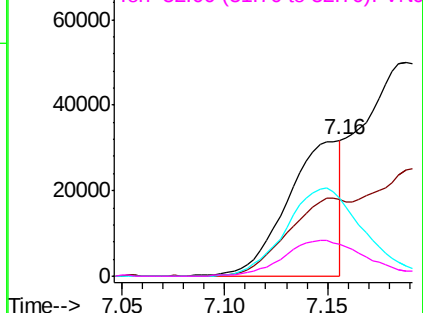
Tot Ion	41	Resp	57084
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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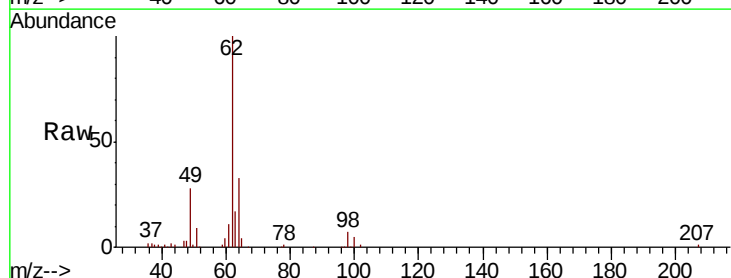


Abundance Ion 41.00 (40.70 to 41.70): VN058846.D (-1652) (-)
Ion 39.00 (38.70 to 39.70): VN058846.D (-1652) (-)
Ion 67.00 (66.70 to 67.70): VN058846.D (-1652) (-)
Ion 52.00 (51.70 to 52.70): VN058846.D (-1652) (-)

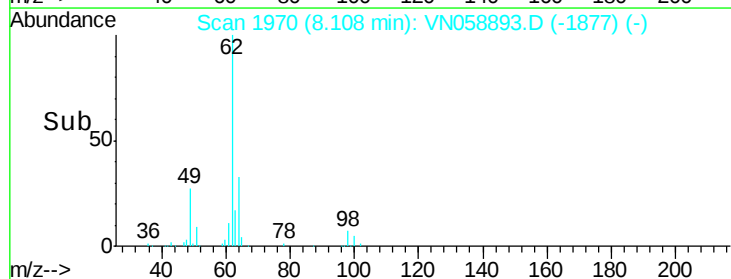
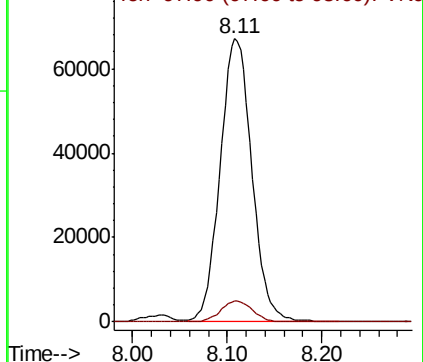


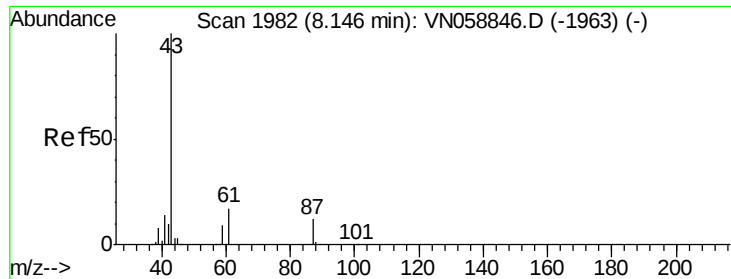
#42
1,2-Dichloroethane
Concen: 19.669 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion	62	Resp	156728
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	16.2



Abundance Ion 61.90 (61.60 to 62.60): VN058846.D (-1954) (-)
Ion 97.90 (97.60 to 98.60): VN058846.D (-1954) (-)





#43

Isopropyl Acetate

Concen: 19.256 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

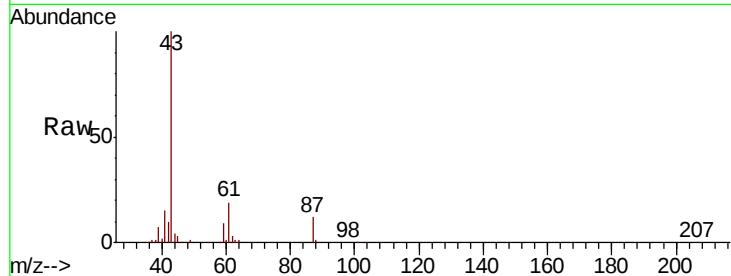
ClientSampleId :

VN1021MBSD01

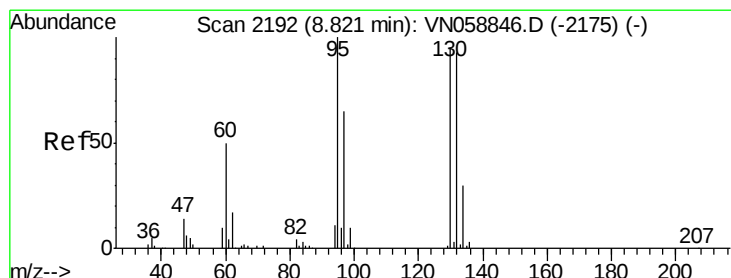
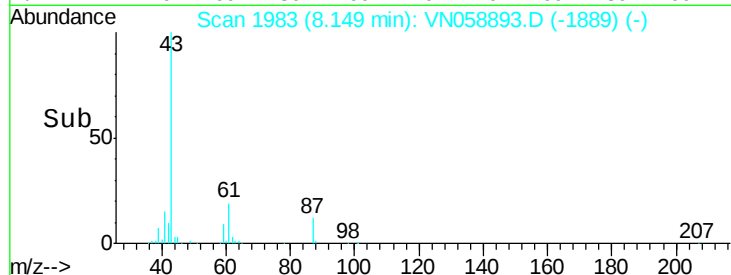
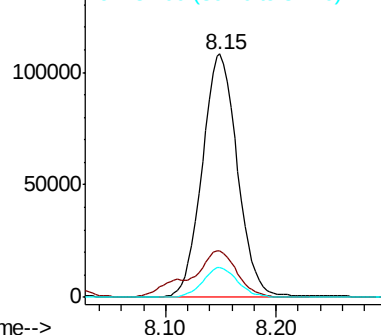
Tot Ion:	43	Resp:	237050
Ion	Ratio	Lower	Upper
43	100		
61	19.5	20.2	30.2#
87	12.1	9.5	14.3

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Abundance Ion 43.00 (42.70 to 43.70): VN058893.D (-1889) (-)



#44

Trichloroethene

Concen: 19.319 ug/l

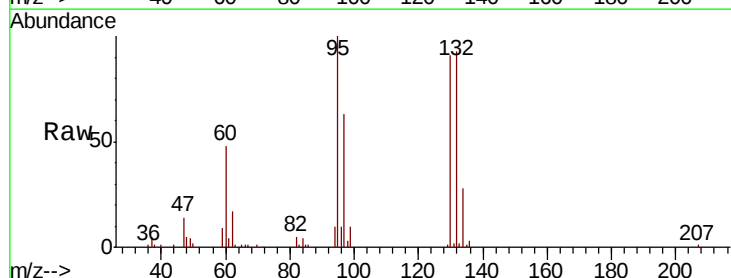
RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

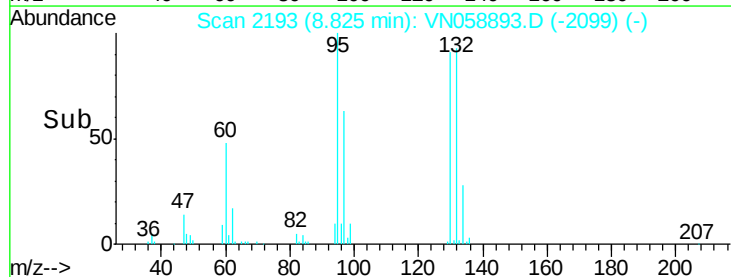
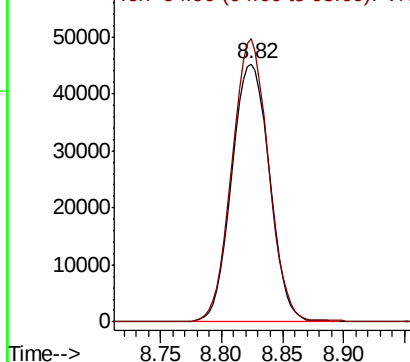
Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Tgt Ion:	130	Resp:	97350
Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058893.D (-2099) (-)





#45

1,2-Dichloropropane

Concen: 19.393 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

Tot Ion: 63 Resp: 110005

Ion Ratio Lower Upper

63 100

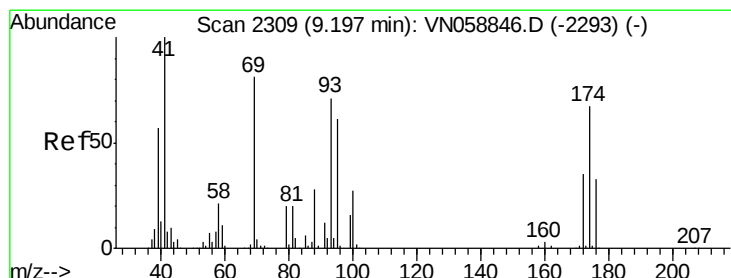
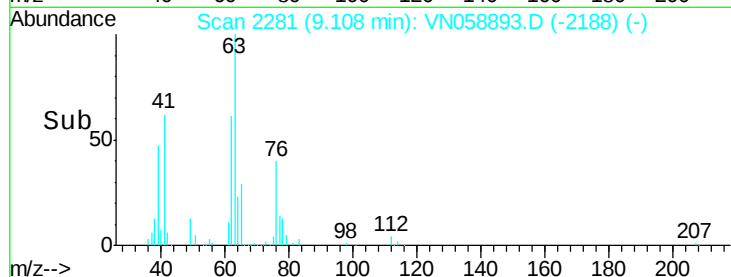
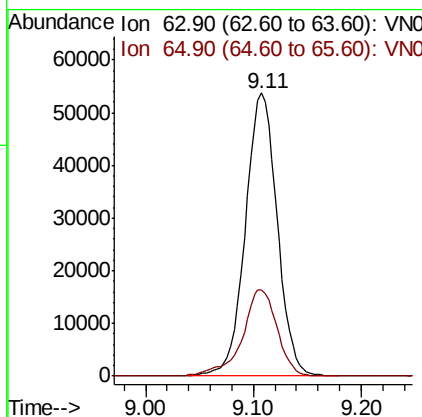
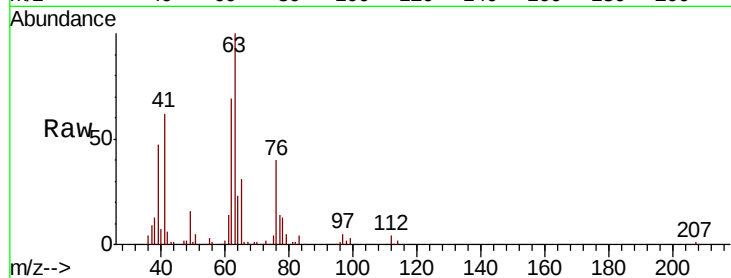
65 30.5 24.5 36.7

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#46

Dibromomethane

Concen: 19.679 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

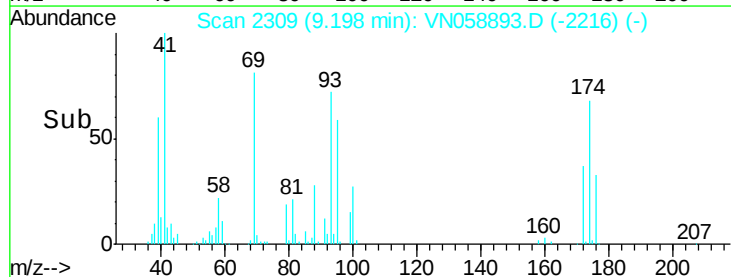
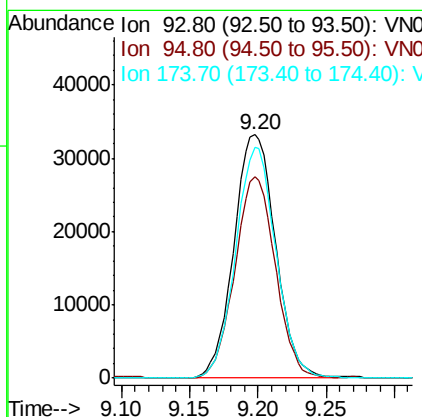
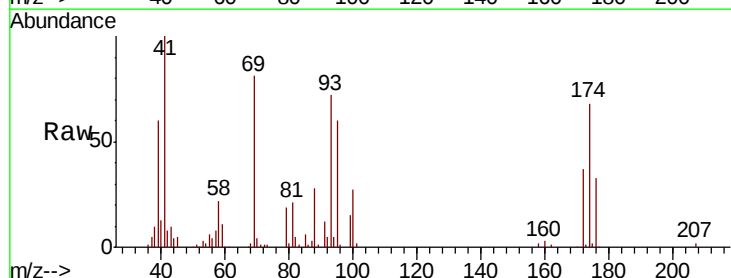
Tgt Ion: 93 Resp: 70569

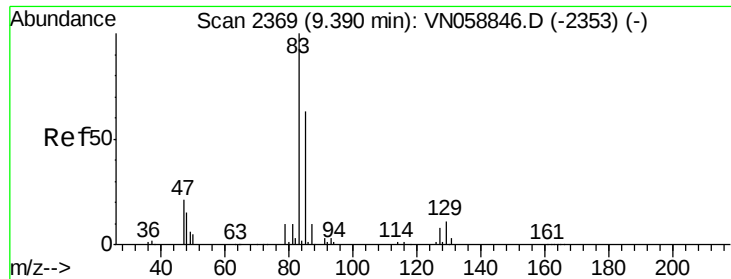
Ion Ratio Lower Upper

93 100

95 80.2 67.6 101.4

174 91.6 74.1 111.1





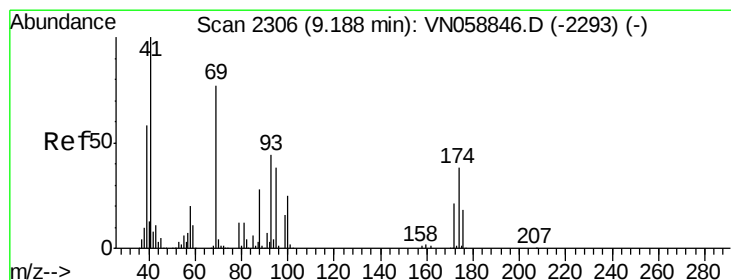
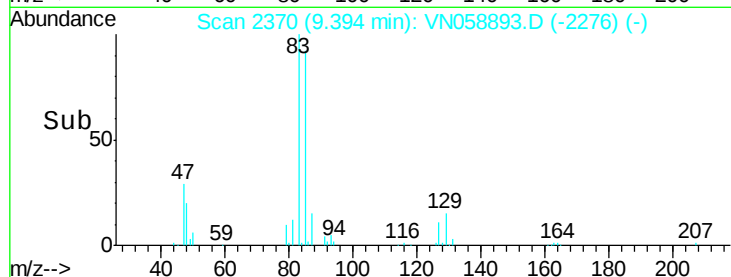
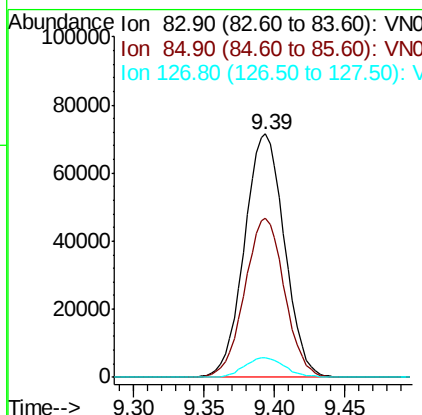
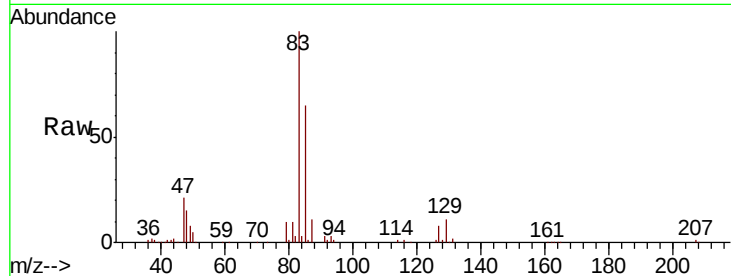
#47
Bromodichloromethane
Concen: 19.234 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.6	75.8
127	7.8	6.5	9.7

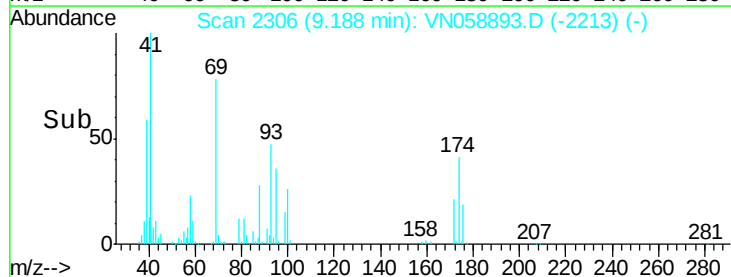
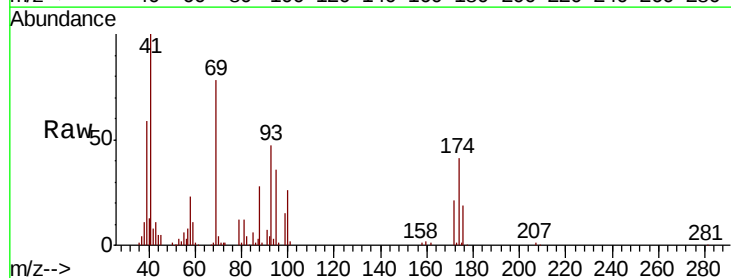
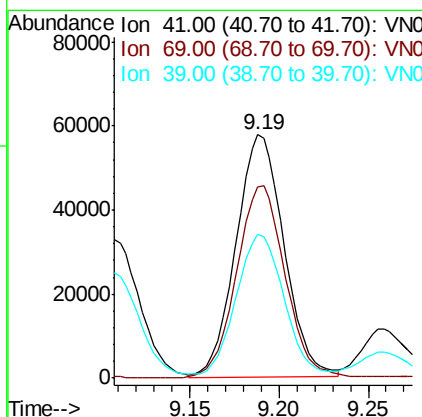
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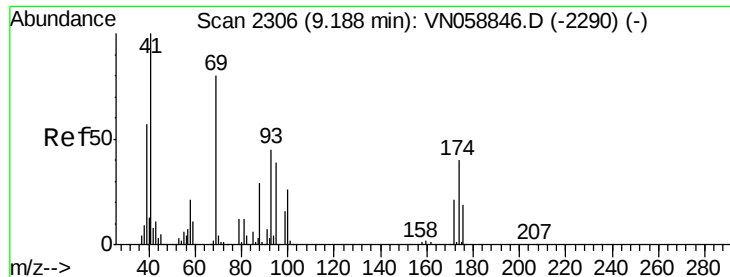
MMDadoda
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#48
Methyl methacrylate
Concen: 19.521 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.6	63.8	95.6
39	59.1	47.8	71.8





#49

1,4-Dioxane

Concen: 375.209 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

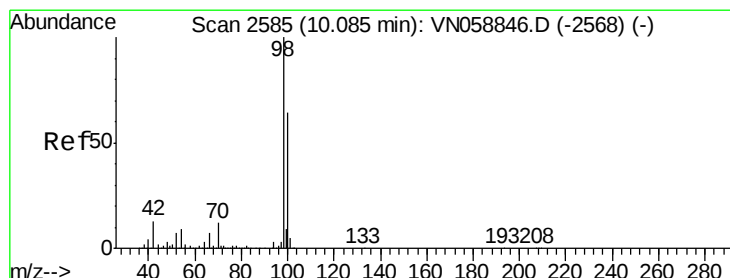
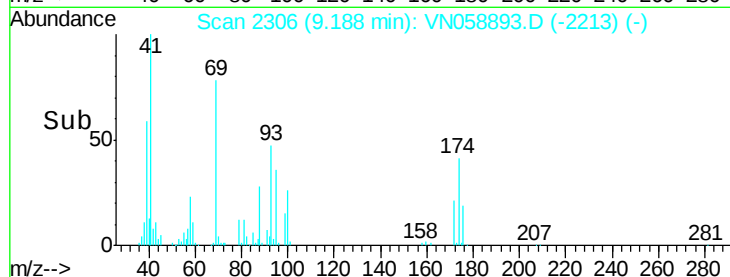
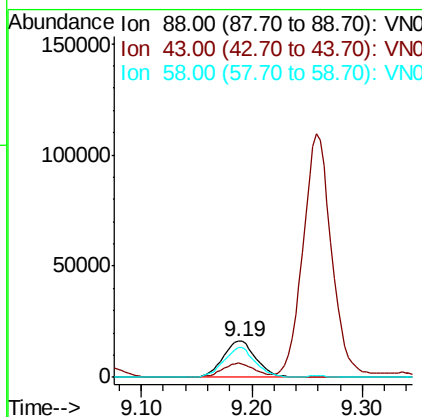
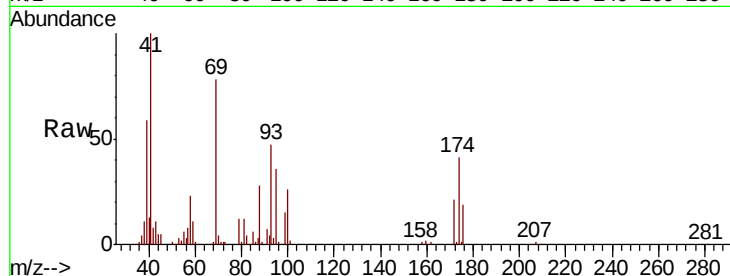
ClientSampleId :

VN1021MBSD01

Tot Ion:	88	Resp:	34401
Ion	Ratio	Lower	Upper
88	100		
43	37.8	29.1	43.7
58	76.6	59.4	89.0

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#50

Toluene-d8

Concen: 48.274 ug/l

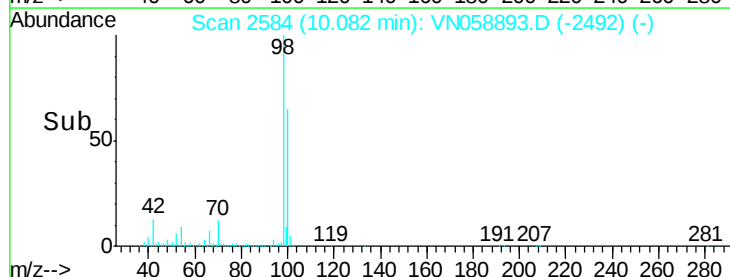
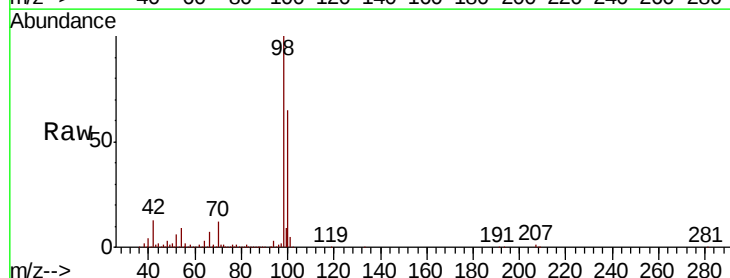
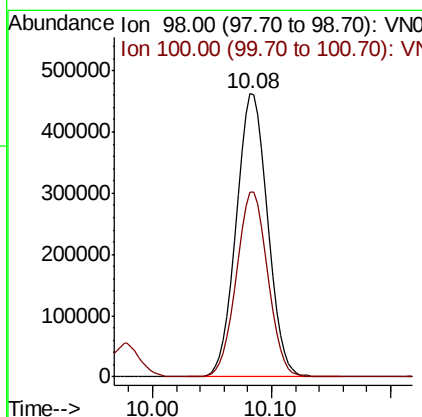
RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Tgt Ion:	98	Resp:	847753
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 103.512 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

Tot Ion: 43 Resp: 744285

Ion Ratio Lower Upper

43 100

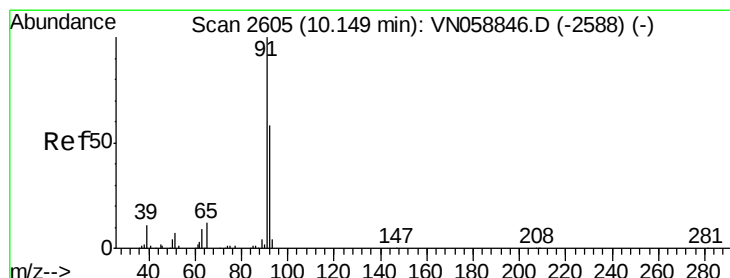
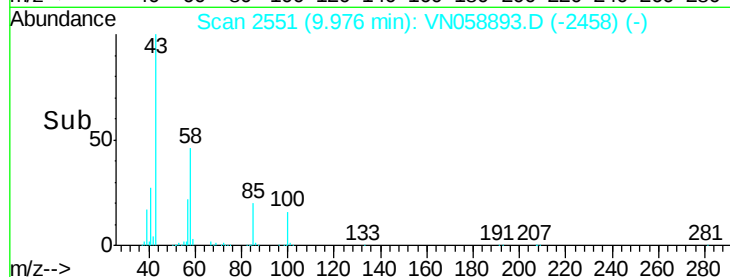
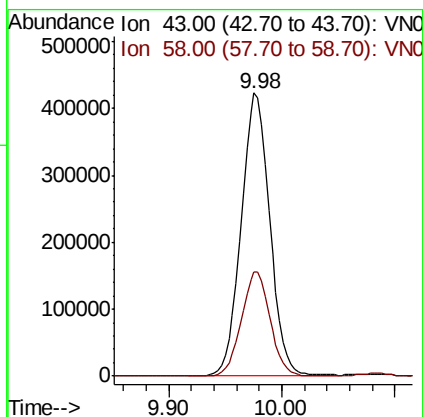
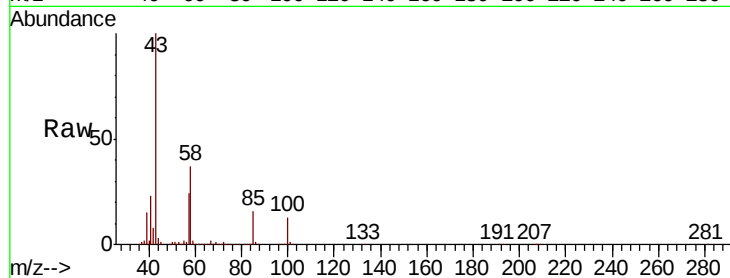
58 37.0 29.9 44.9

Manual Integrations

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#52

Toluene

Concen: 19.933 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058893.D

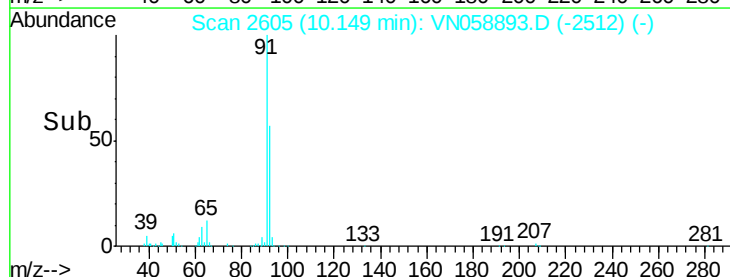
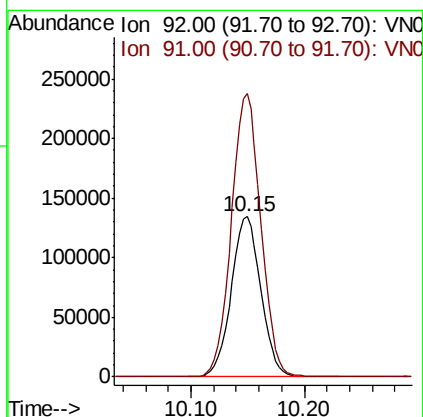
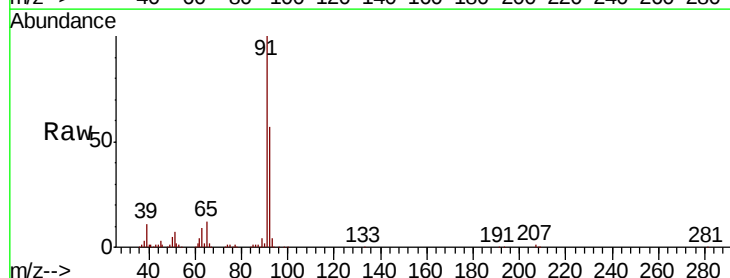
Acq: 21 Oct 2019 16:57

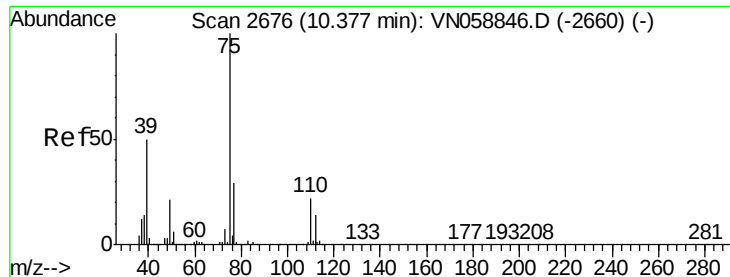
Tgt Ion: 92 Resp: 244518

Ion Ratio Lower Upper

92 100

91 176.0 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 19.200 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

Tot Ion: 75 Resp: 157088

Ion Ratio Lower Upper

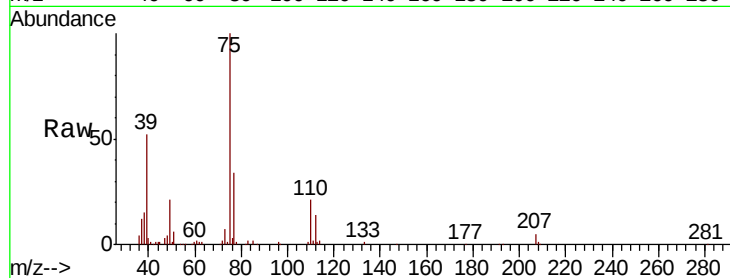
75 100

77 33.1 25.7 38.5

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

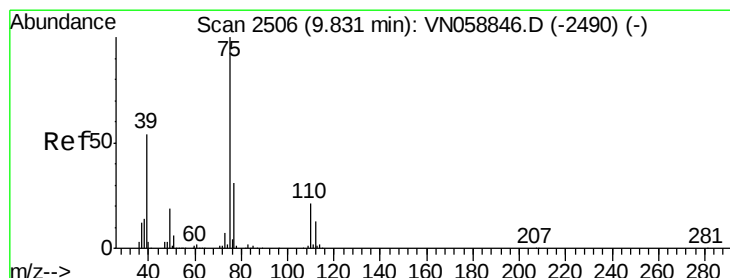
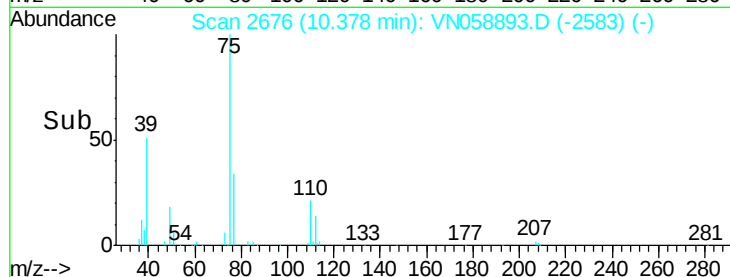
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.152 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

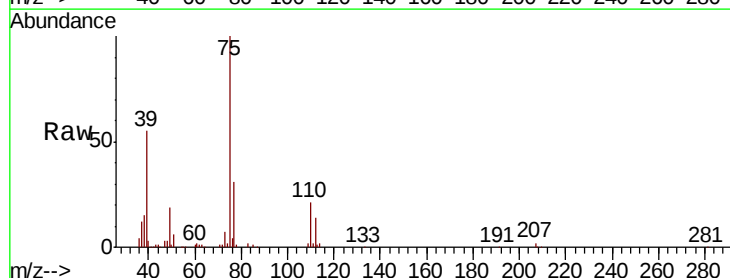
Tgt Ion: 75 Resp: 167415

Ion Ratio Lower Upper

75 100

77 31.3 24.7 37.1

39 54.7 43.5 65.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

120000

100000

80000

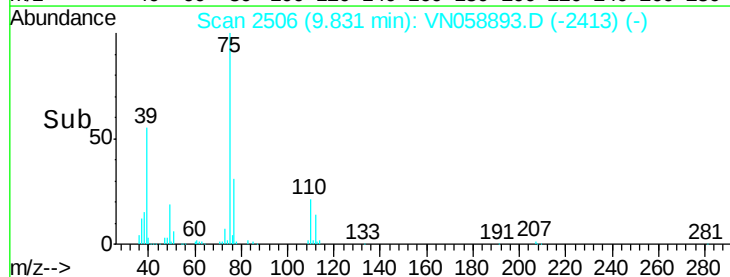
60000

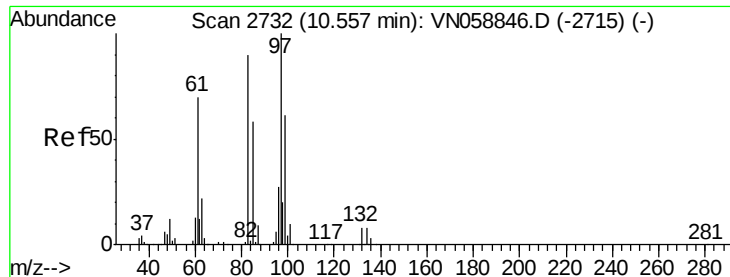
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.197 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

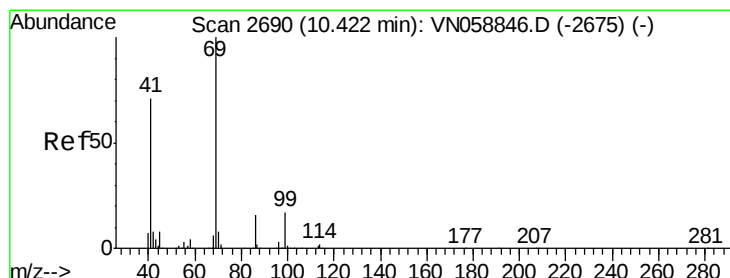
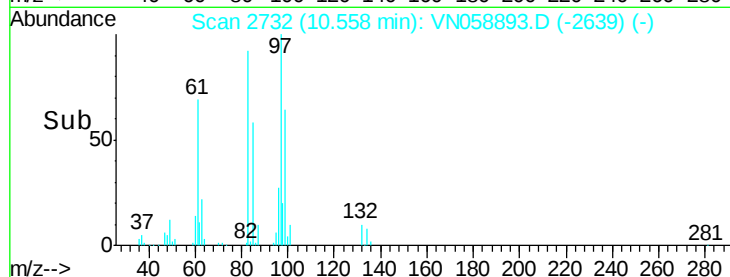
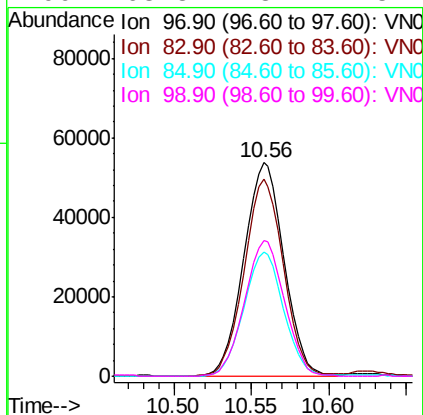
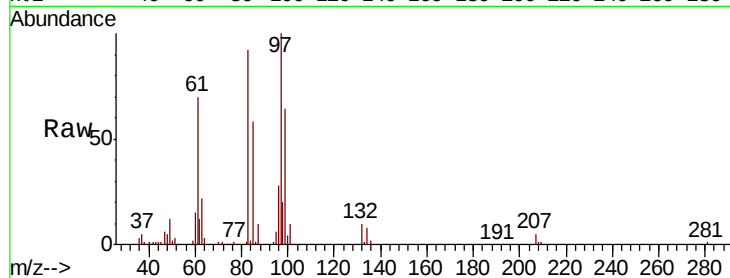
ClientSampleId :

VN1021MBSD01

Tot Ion:	97	Resp:	97013
Ion	Ratio	Lower	Upper
97	100		
83	92.3	72.2	108.4
85	58.1	46.2	69.2
99	63.8	48.7	73.1

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#56

Ethyl methacrylate

Concen: 18.821 ug/l

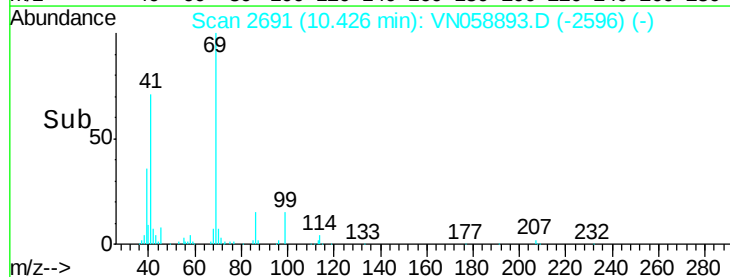
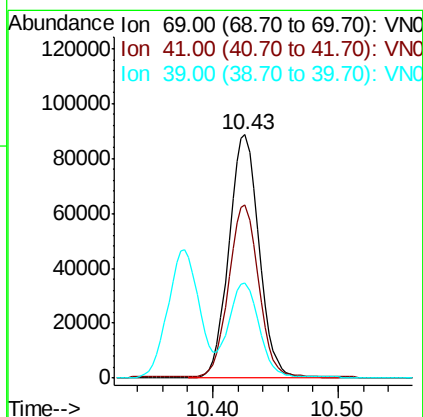
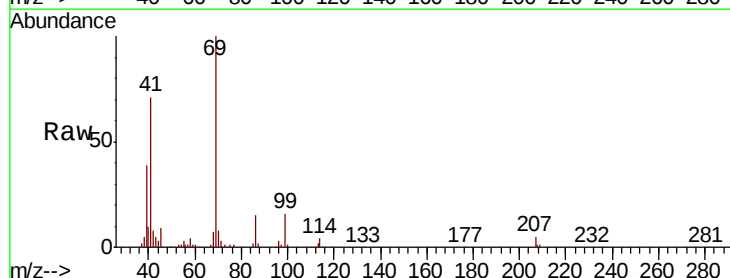
RT: 10.43 min Scan# 2691

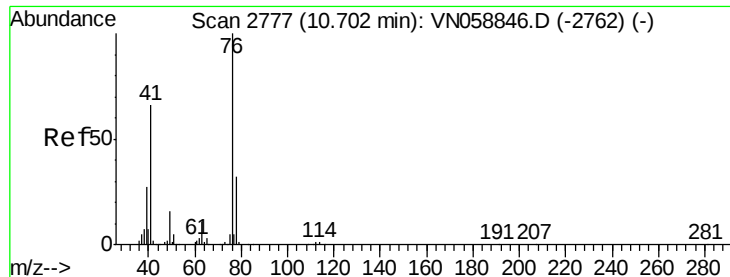
Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Tgt Ion:	69	Resp:	148177
Ion	Ratio	Lower	Upper
69	100		
41	70.1	57.2	85.8
39	38.4	31.0	46.4





#57

1,3-Dichloropropane

Concen: 19.336 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

Tot Ion: 76 Resp: 171502

Ion Ratio Lower Upper

76 100

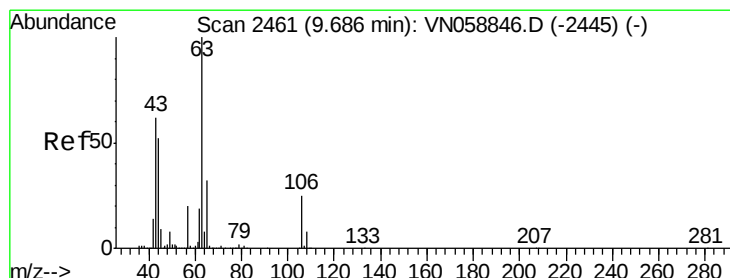
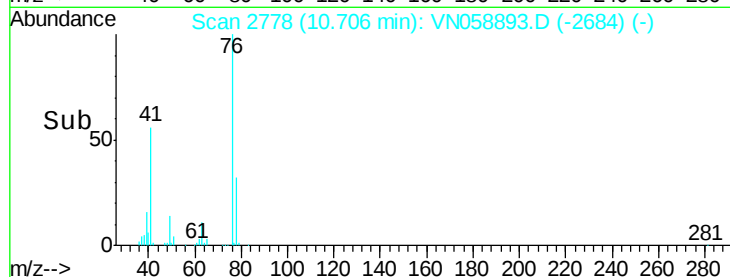
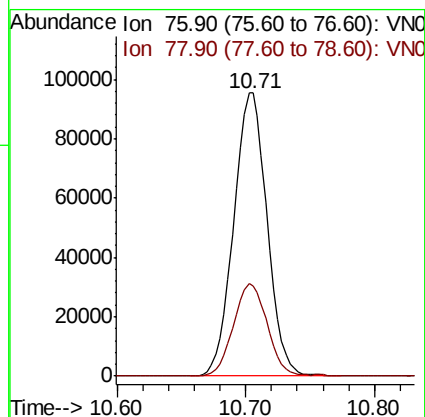
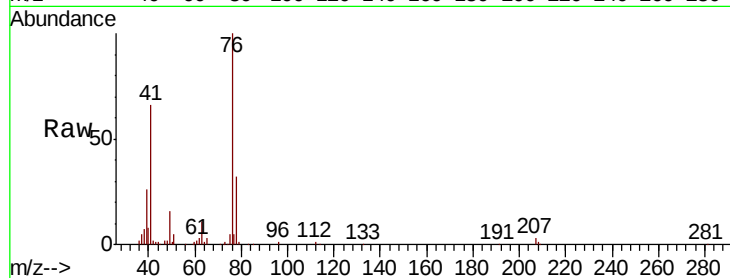
78 33.2 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 91.302 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058893.D

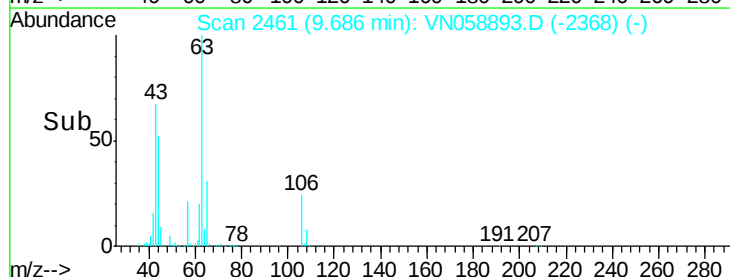
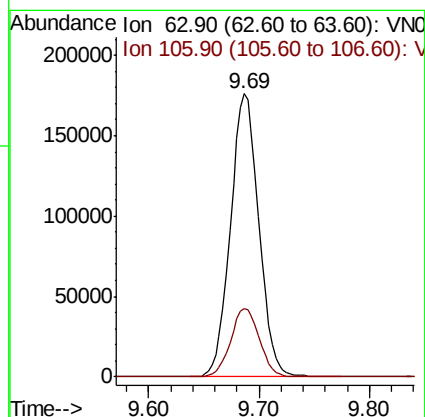
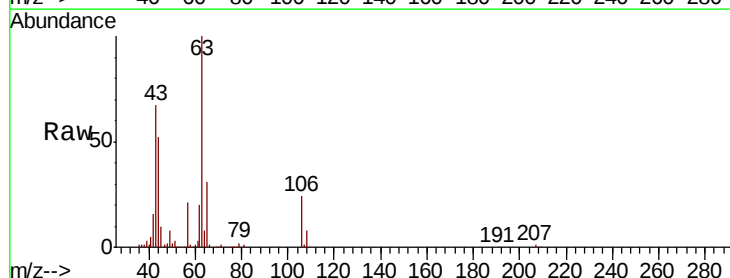
Acq: 21 Oct 2019 16:57

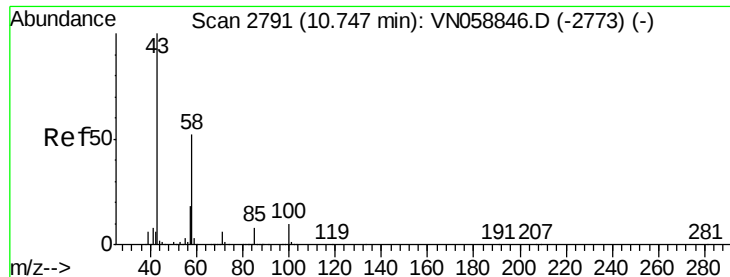
Tgt Ion: 63 Resp: 314090

Ion Ratio Lower Upper

63 100

106 24.4 19.8 29.8





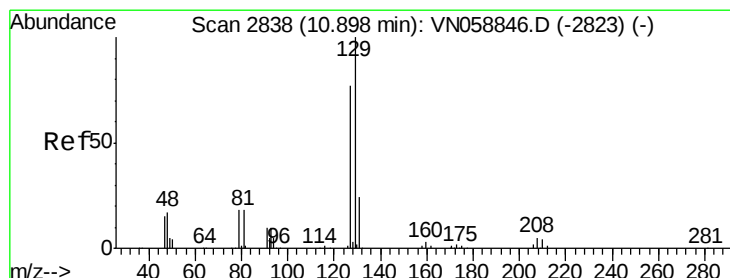
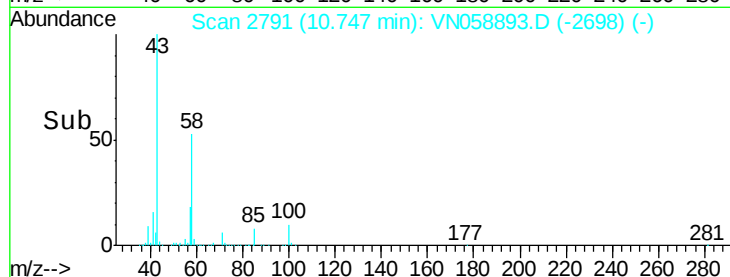
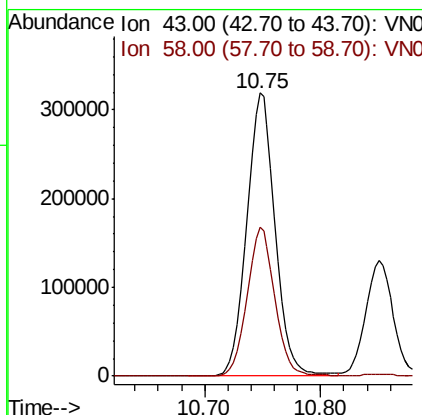
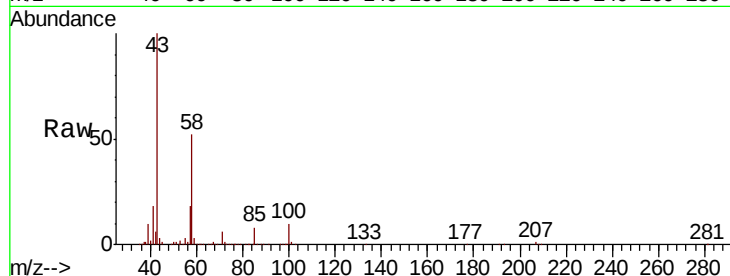
#59
2-Hexanone
Concen: 97.447 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Tot Ion: 43 Resp: 541435
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.7

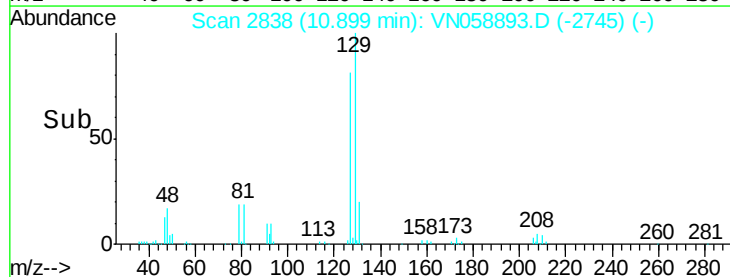
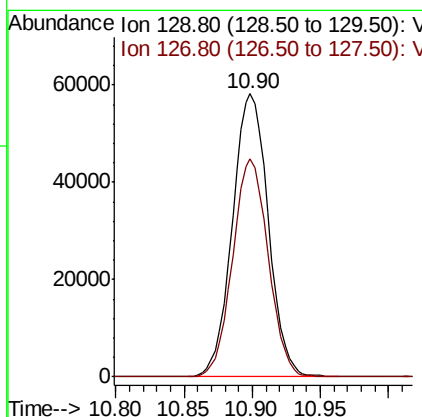
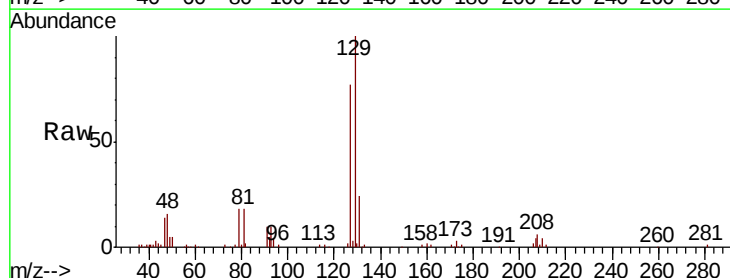
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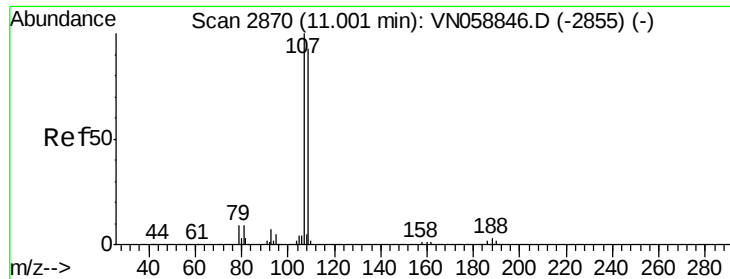
MMDadoda
10/22/2019 4:55:42 PM



#60
Dibromochloromethane
Concen: 19.536 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion: 129 Resp: 106261
Ion Ratio Lower Upper
129 100
127 76.4 39.1 117.3





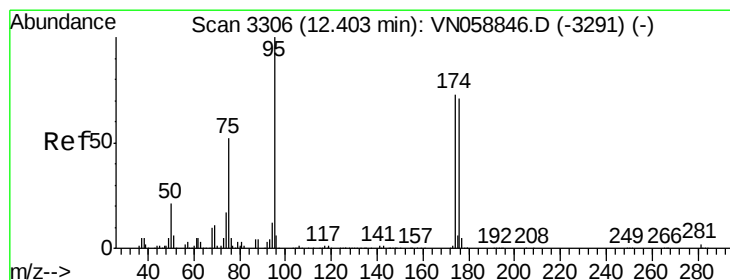
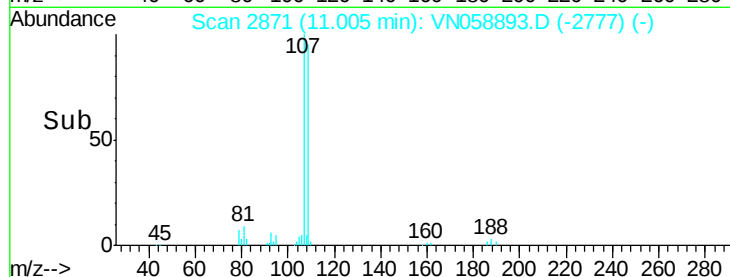
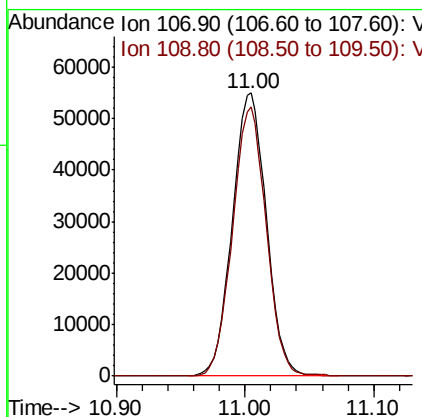
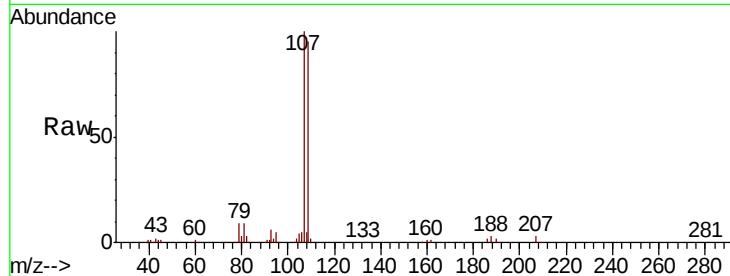
#61
 1,2-Dibromoethane
 Concen: 19.433 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.2	112.8

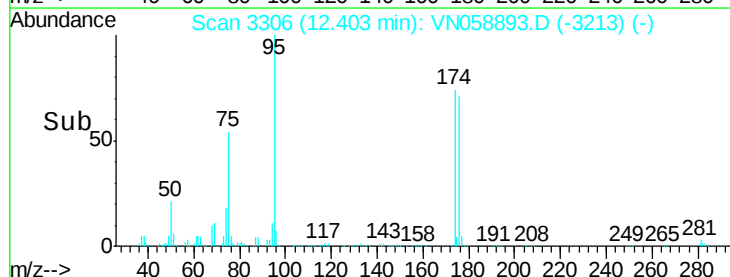
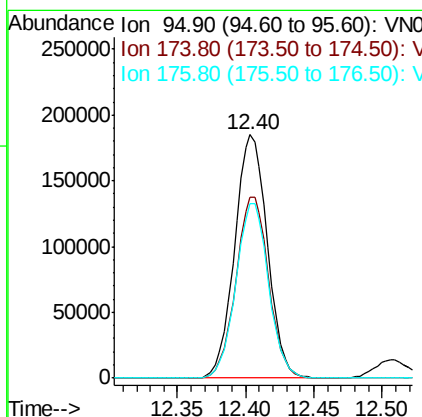
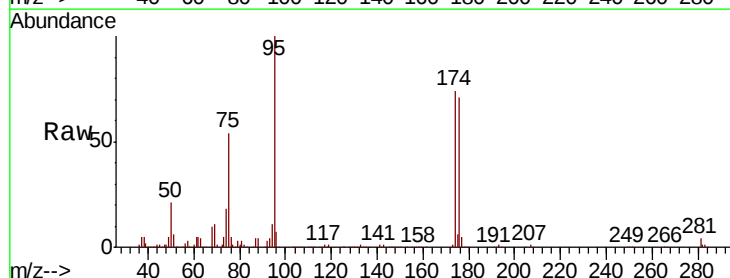
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#62
 4-Bromofluorobenzene
 Concen: 47.610 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	147.6
176	71.9	0.0	143.2





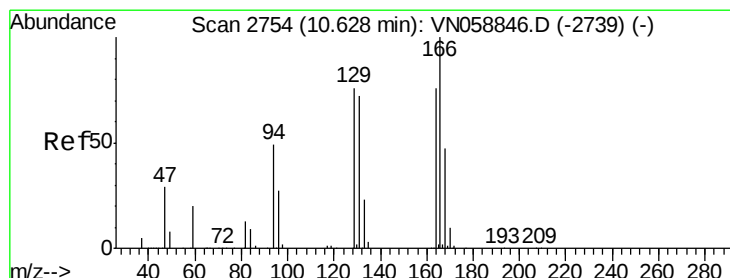
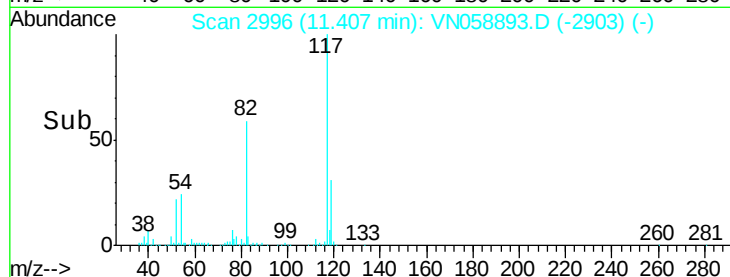
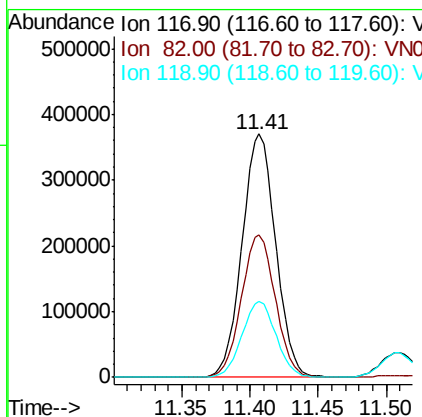
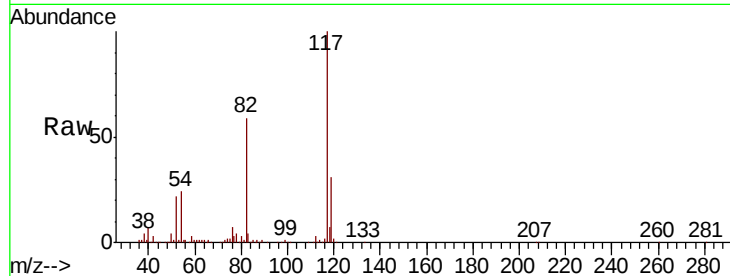
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.6	69.8
119	31.4	25.6	38.4

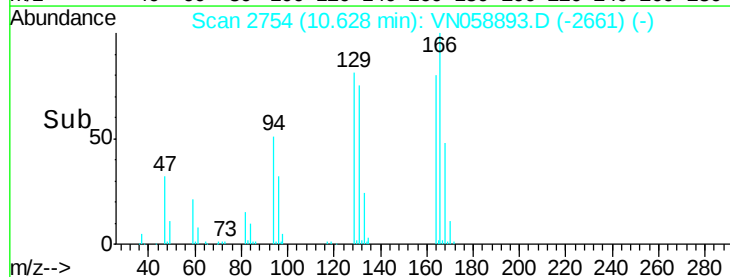
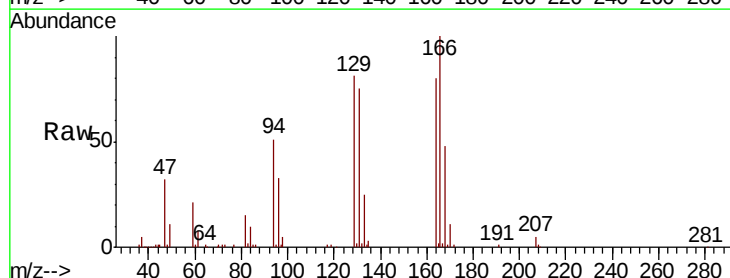
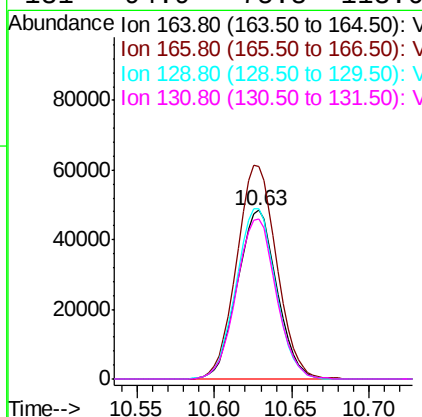
Manual Integrations
APPROVED

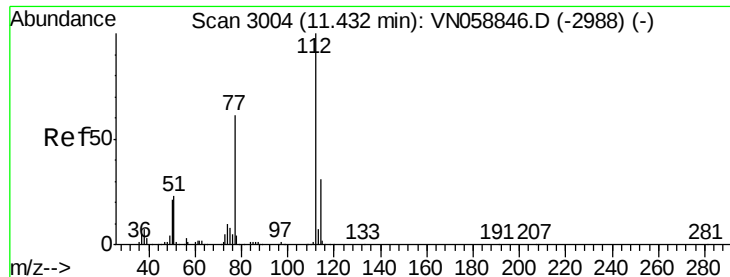
MMDadoda
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#64
Tetrachloroethene
Concen: 19.443 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	104.8	157.2
129	101.2	79.3	118.9
131	94.9	75.8	113.6





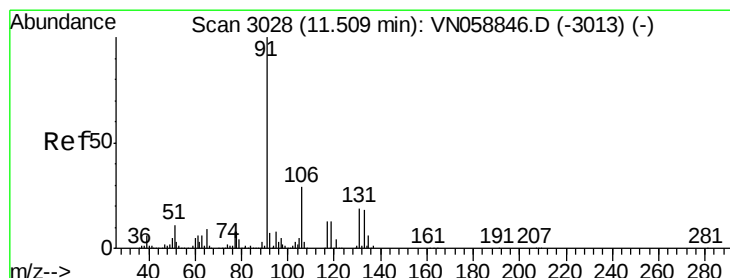
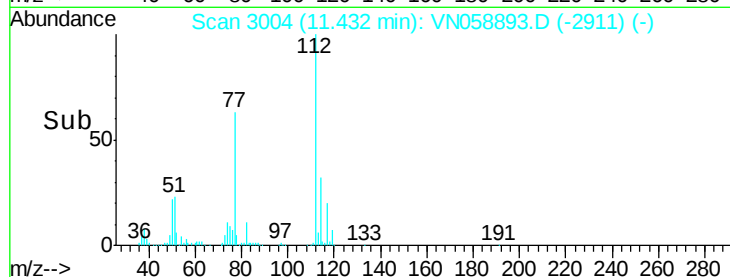
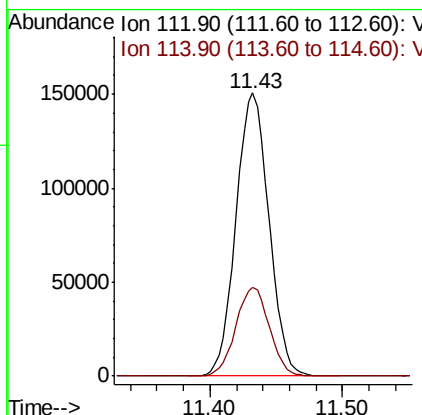
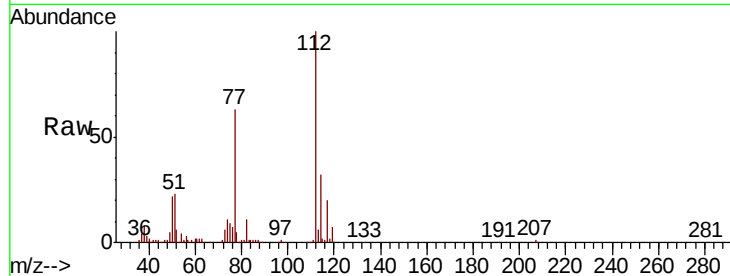
#65
Chlorobenzene
Concen: 20.189 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Tot Ion:112 Resp: 260300
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7

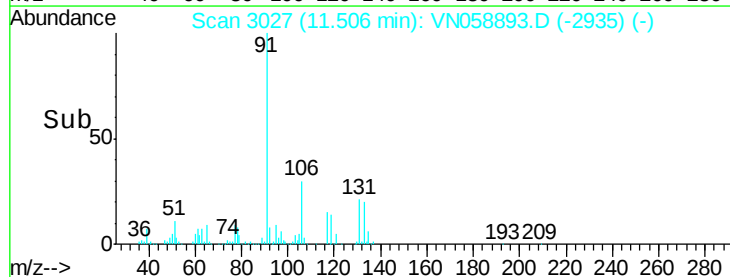
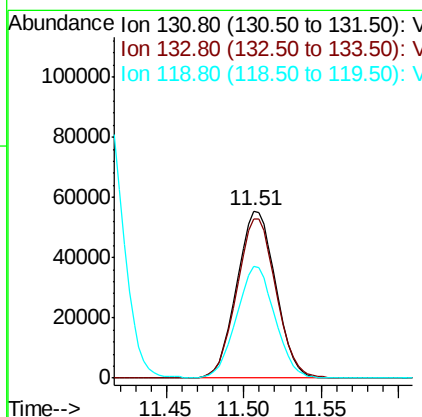
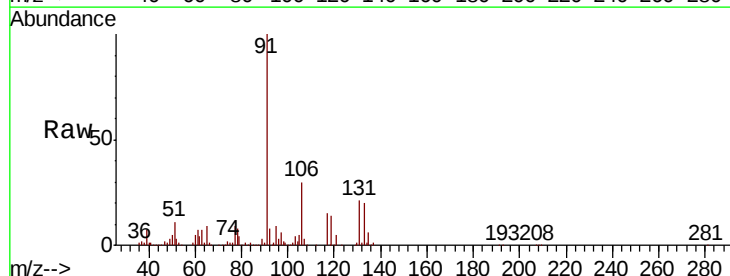
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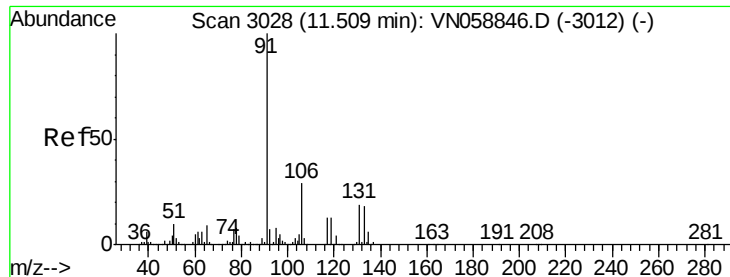
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.912 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion:131 Resp: 96878
Ion Ratio Lower Upper
131 100
133 96.5 48.4 145.2
119 66.0 33.6 100.8





#67

Ethyl Benzene

Concen: 20.680 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

Tot Ion: 91 Resp: 467720

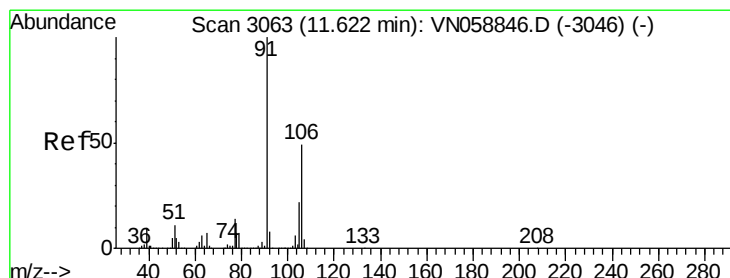
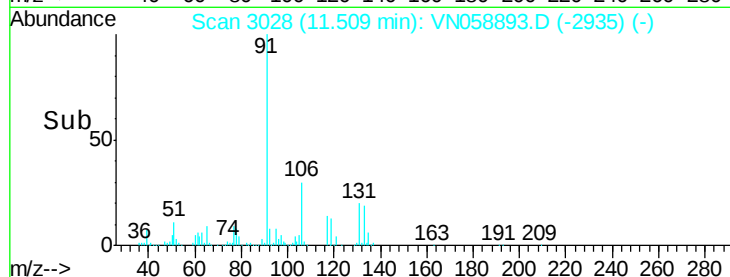
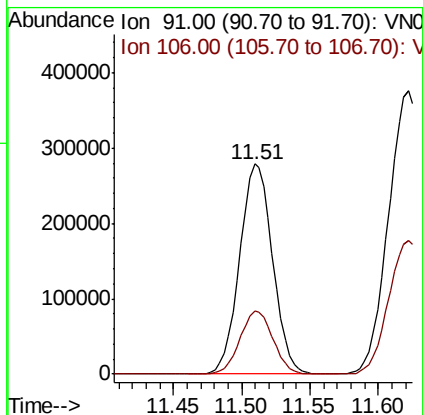
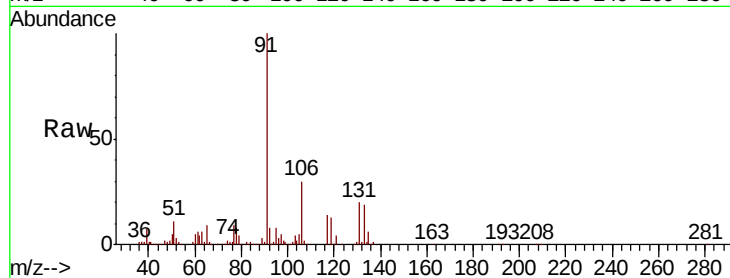
Ion Ratio Lower Upper

91 100

106 29.9 23.4 35.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.768 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058893.D

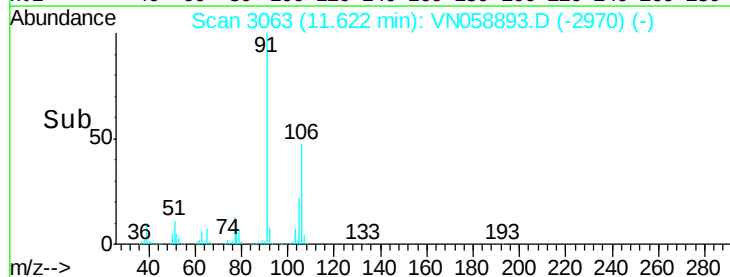
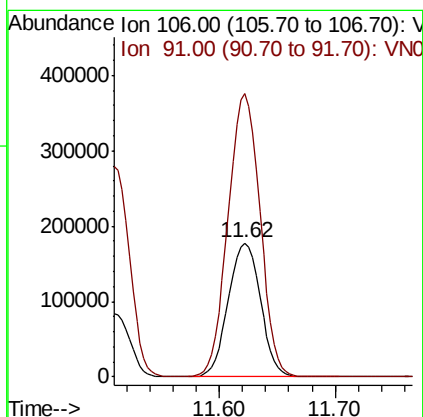
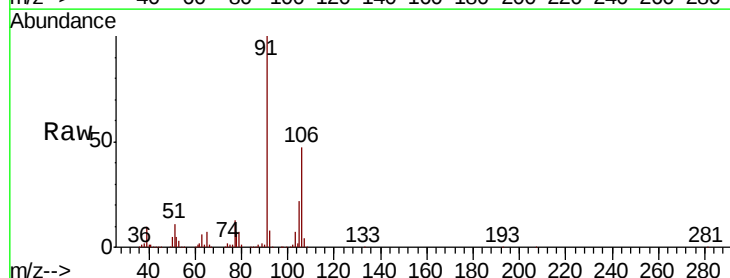
Acq: 21 Oct 2019 16:57

Tgt Ion: 106 Resp: 341944

Ion Ratio Lower Upper

106 100

91 209.8 166.6 249.8





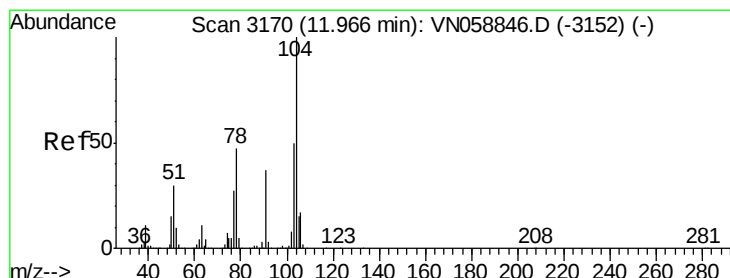
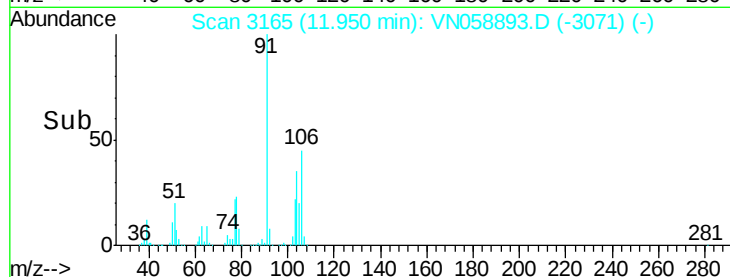
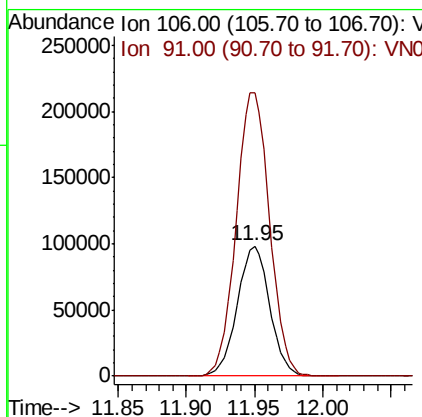
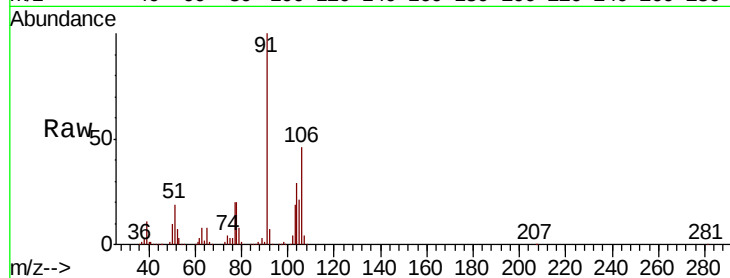
#69
o-Xylene
Concen: 20.305 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	162428		
91	91	223.7	111.5	334.4	

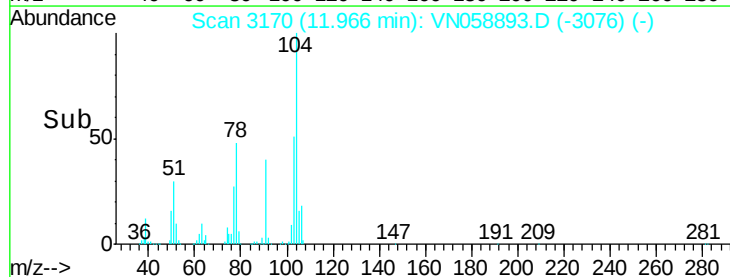
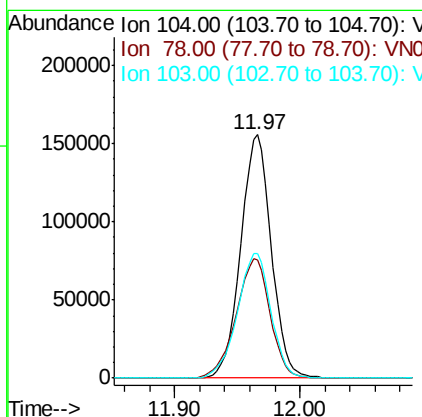
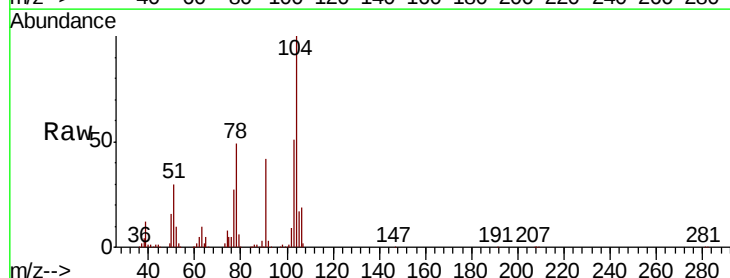
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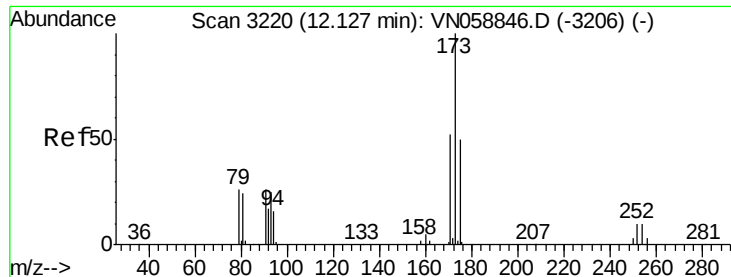
MMDadoda
10/22/2019 4:55:42 PM



#70
Styrene
Concen: 19.009 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	264446		
78	78	54.6	42.8	64.2	
103	103	56.1	44.3	66.5	





#71

Bromoform

Concen: 19.010 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

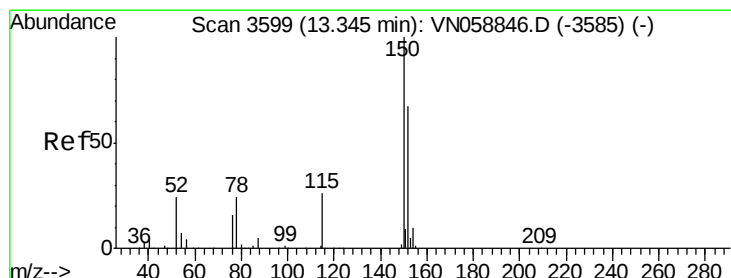
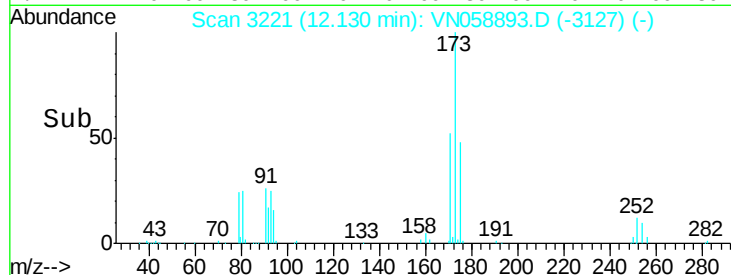
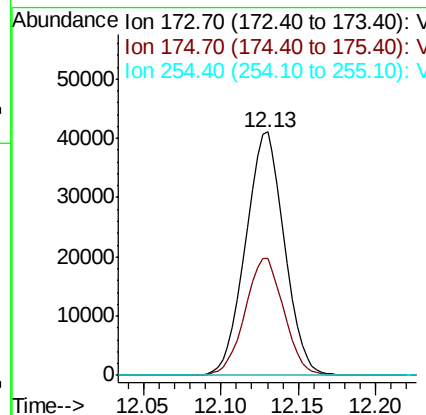
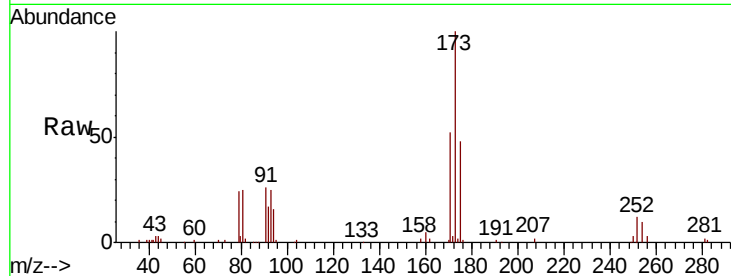
ClientSampleId :

VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.7	74.1
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

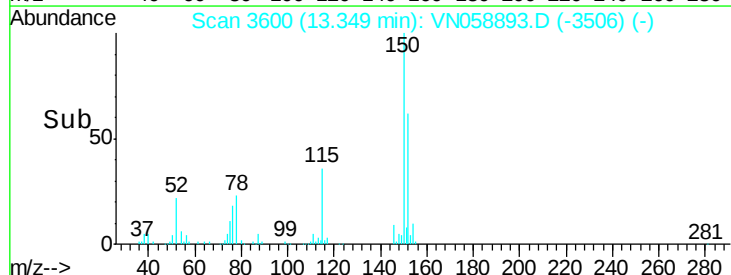
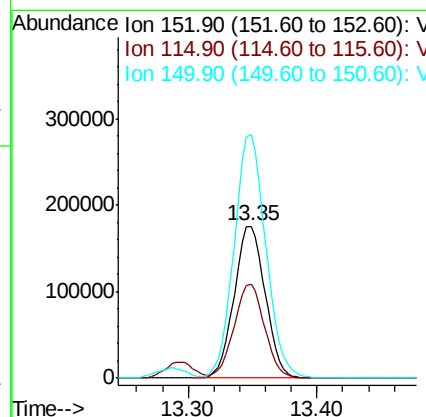
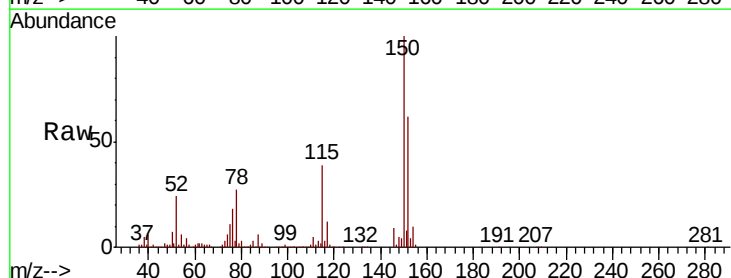
RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.5	91.5
150	164.5	0.0	344.4





#73

Isopropylbenzene

Concen: 20.902 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

Tot Ion: 105 Resp: 447442

Ion Ratio Lower Upper

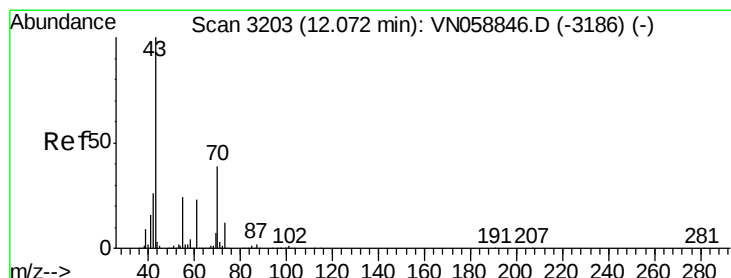
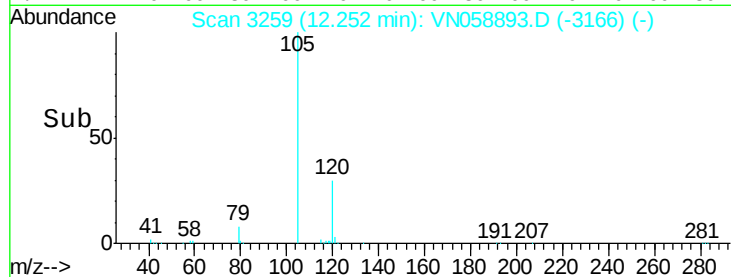
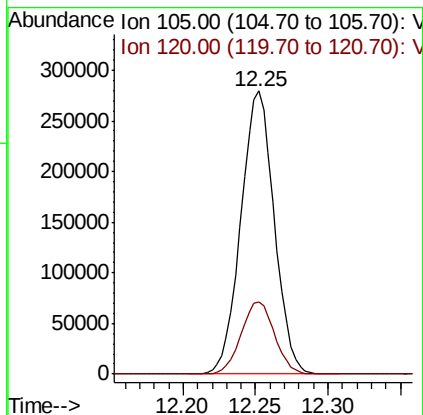
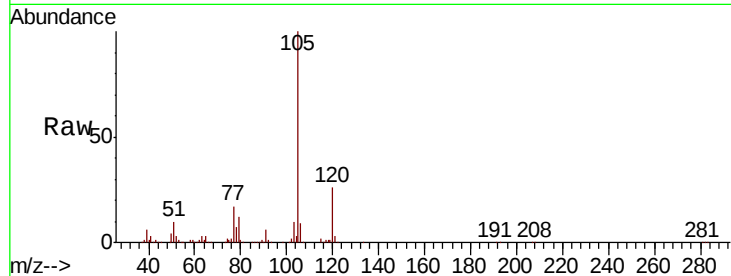
105 100

120 25.7 12.8 38.4

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#74

N-ethyl acetate

Concen: 20.572 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Tgt Ion: 43 Resp: 199642

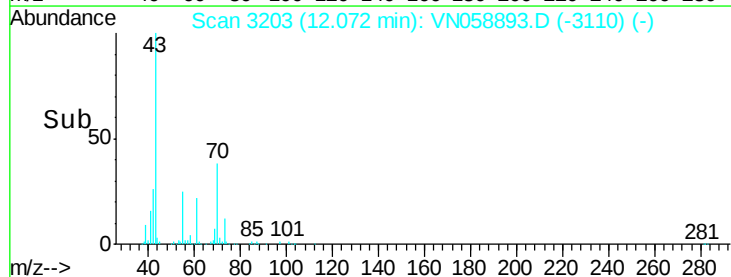
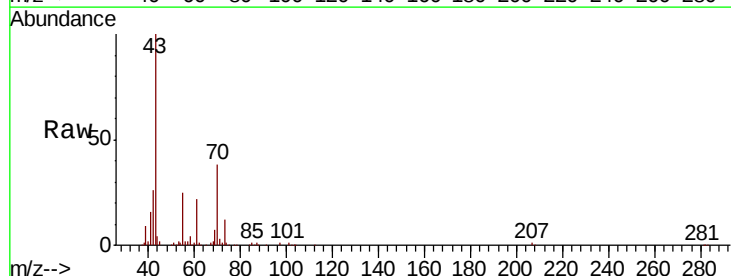
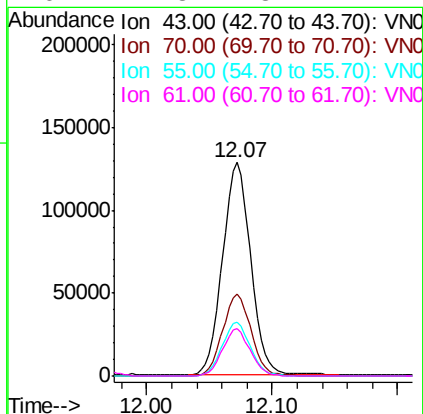
Ion Ratio Lower Upper

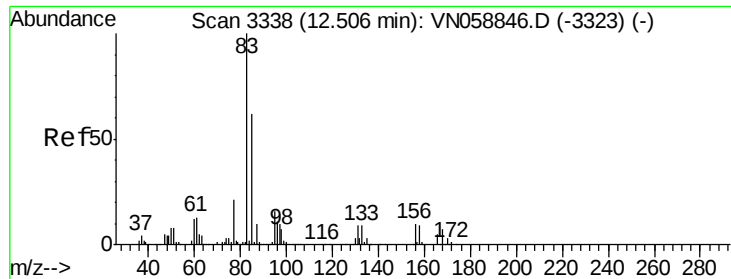
43 100

70 38.9 30.9 46.3

55 25.3 19.7 29.5

61 21.8 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.936 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

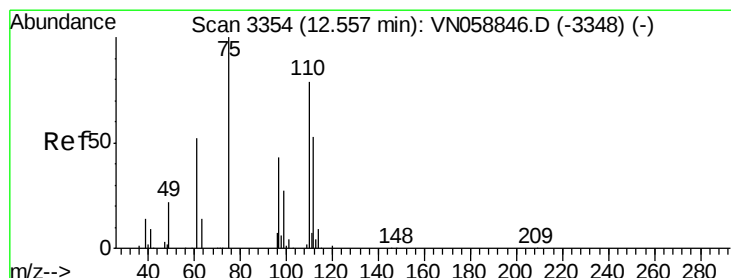
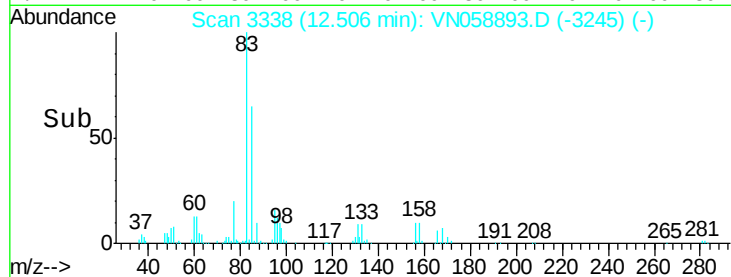
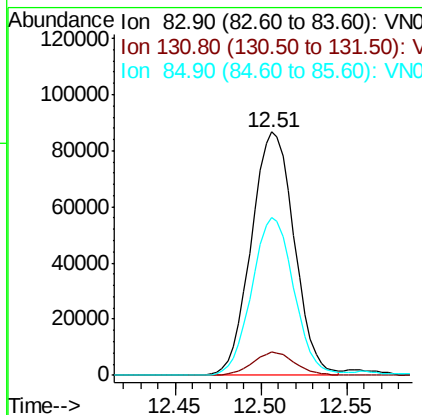
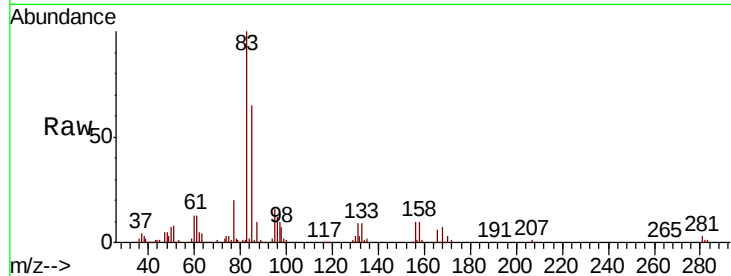
ClientSampleId :

VN1021MBSD01

Tot Ion:	83	Resp:	150058
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.1
85	63.8	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.458 ug/l m

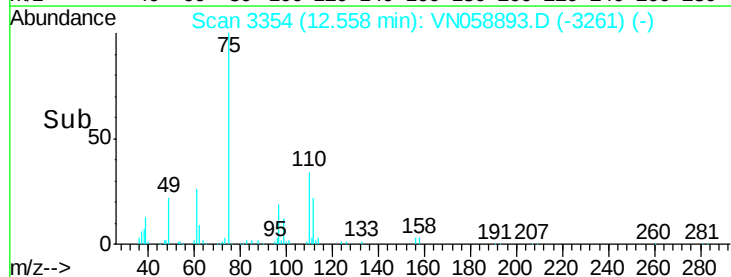
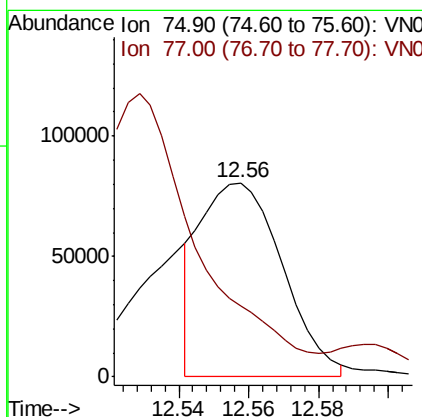
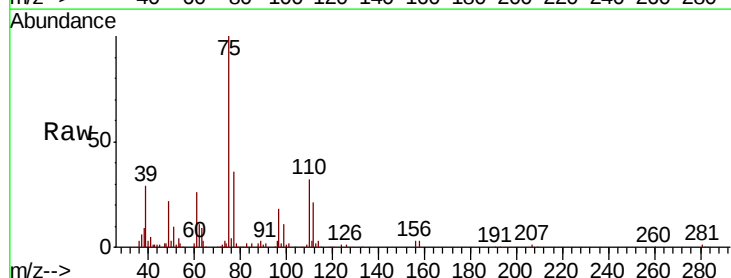
RT: 12.56 min Scan# 3354

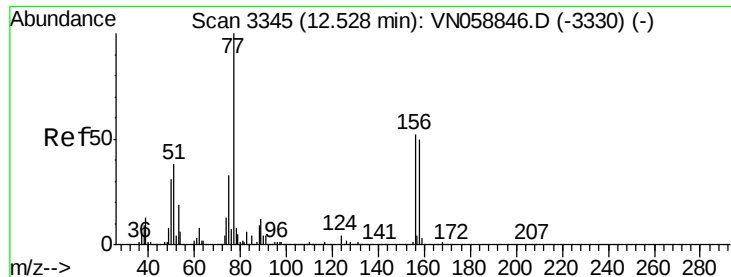
Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Tgt Ion:	75	Resp:	132095
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





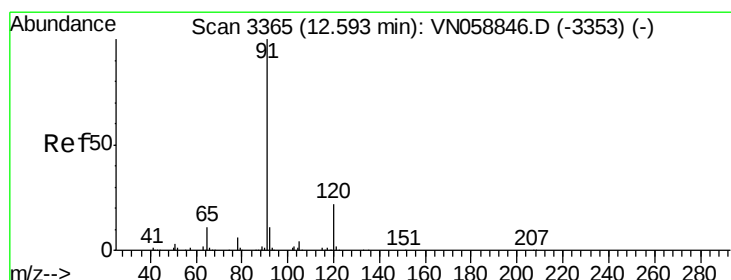
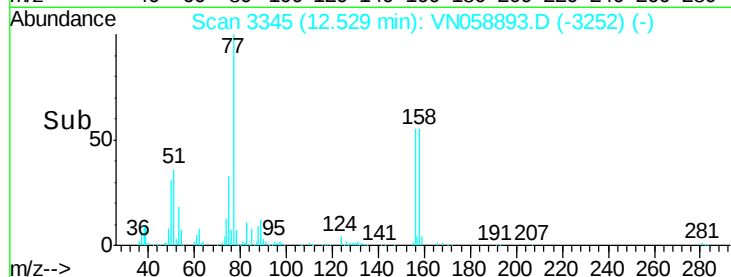
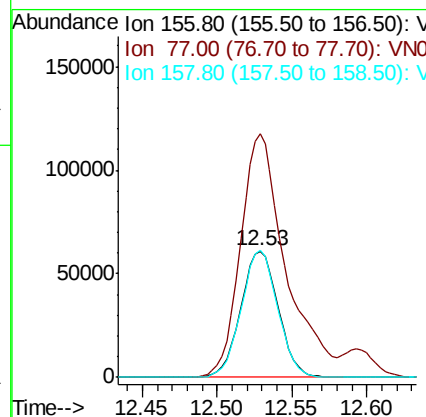
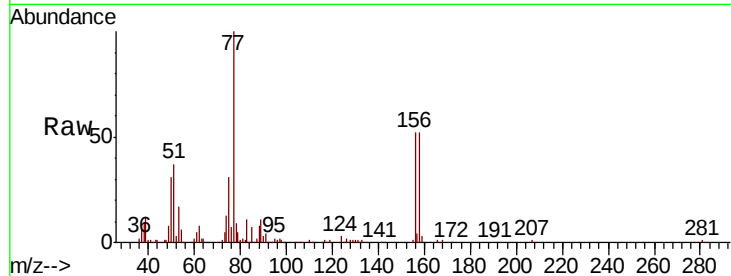
#77
Bromobenzene
Concen: 20.063 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	233.0	118.0	354.0	
158	98.3	48.3	144.8	

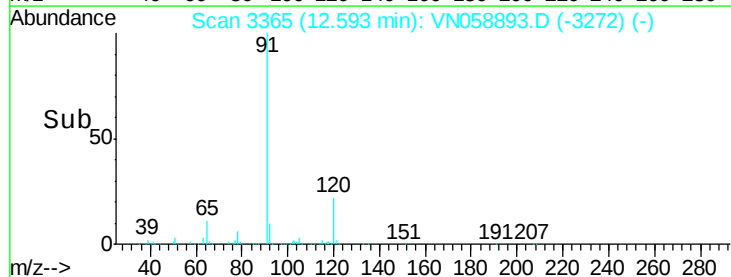
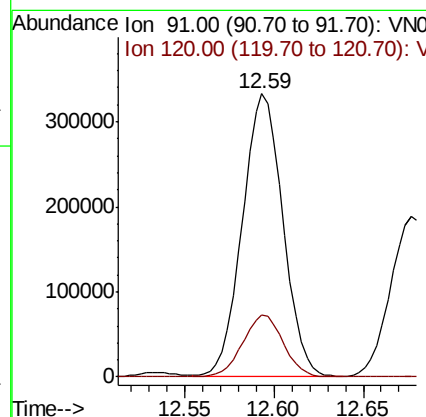
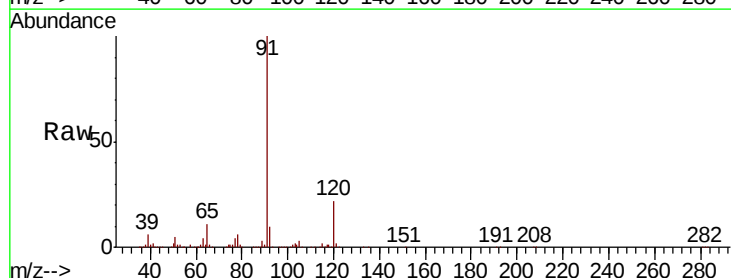
Manual Integrations
APPROVED

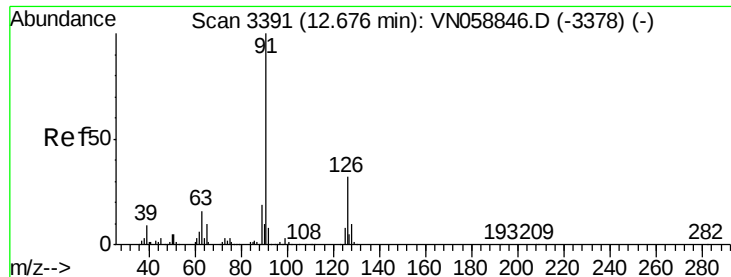
MMDadoda
10/22/2019 4:55:42 PM



#78
n-propylbenzene
Concen: 20.653 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.0	11.1	33.1	





#79

2-Chlorotoluene

Concen: 20.131 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

Tot Ion: 91 Resp: 311766

Ion Ratio Lower Upper

91 100

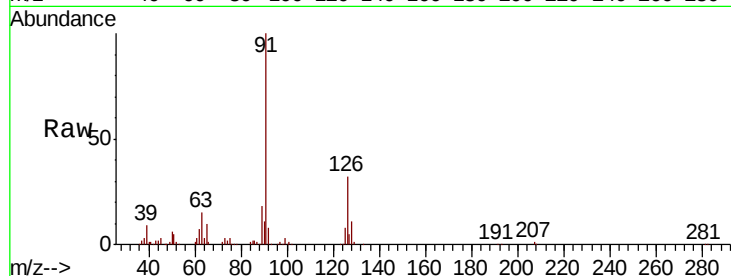
126 32.4 16.2 48.6

Manual Integrations

APPROVED

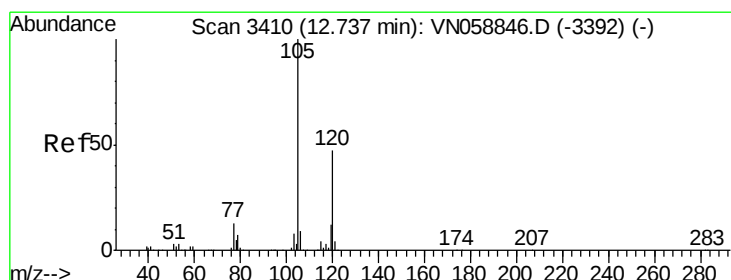
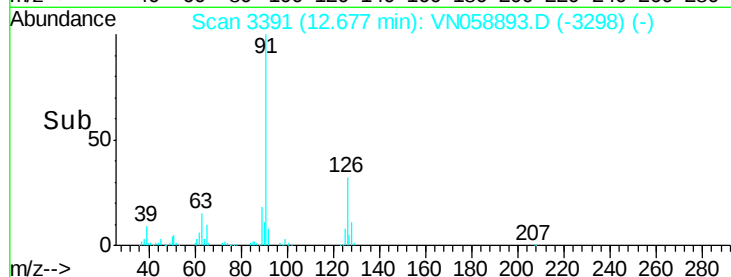
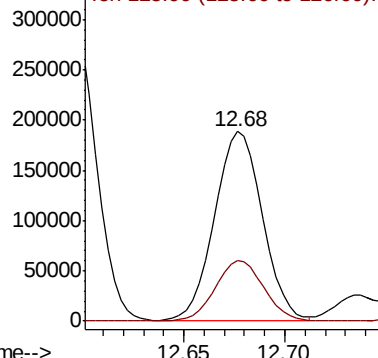
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Abundance Ion 91.00 (90.70 to 91.70): VN058893.D

Ion 125.90 (125.60 to 126.60): VN058893.D



#80

1,3,5-Trimethylbenzene

Concen: 21.025 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058893.D

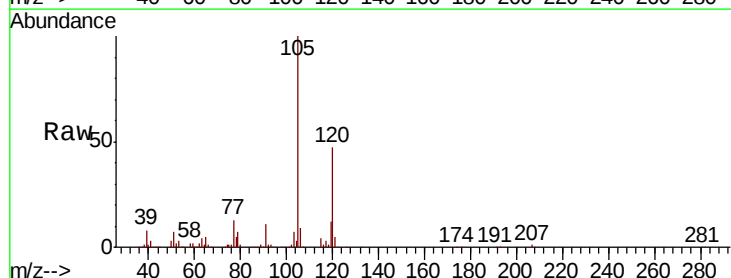
Acq: 21 Oct 2019 16:57

Tgt Ion: 105 Resp: 378147

Ion Ratio Lower Upper

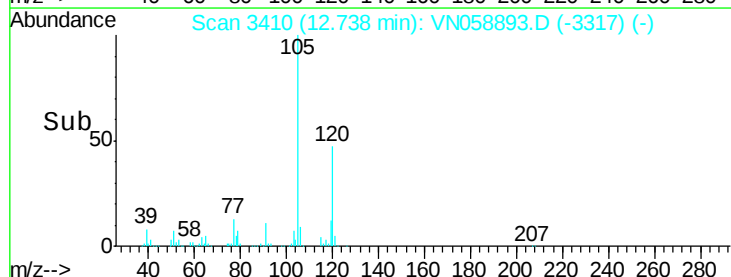
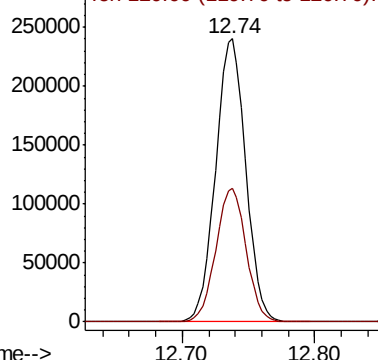
105 100

120 47.3 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058893.D

Ion 120.00 (119.70 to 120.70): VN058893.D





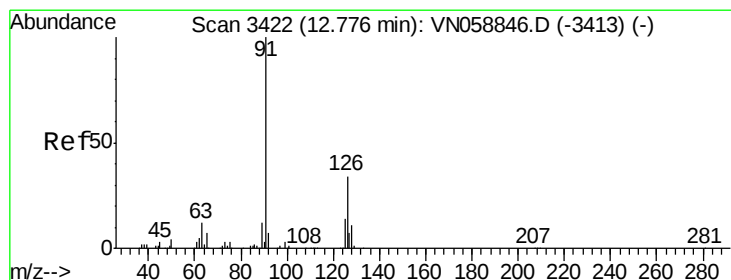
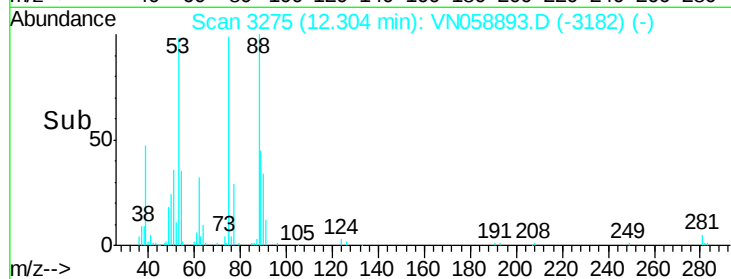
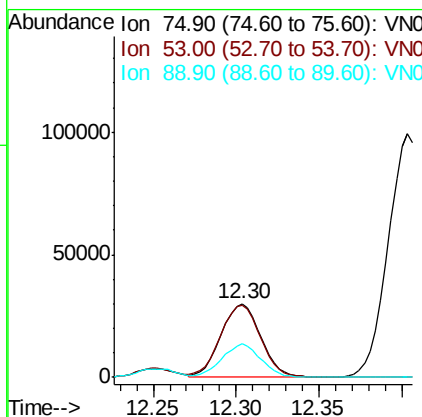
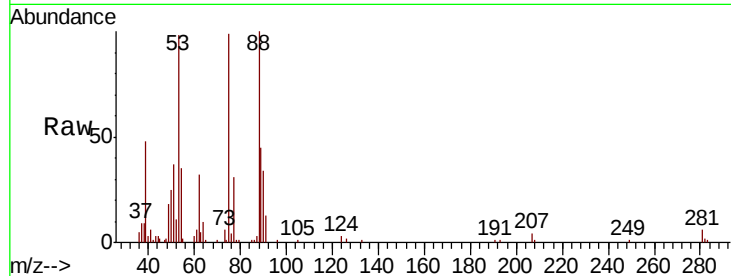
#81
trans-1,4-Dichloro-2-butene
Concen: 19.156 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.9	78.6	118.0
89	44.8	35.4	53.0

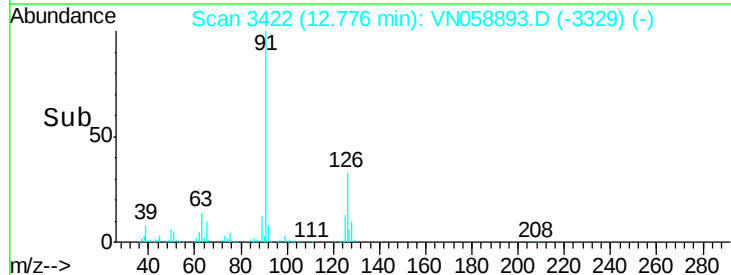
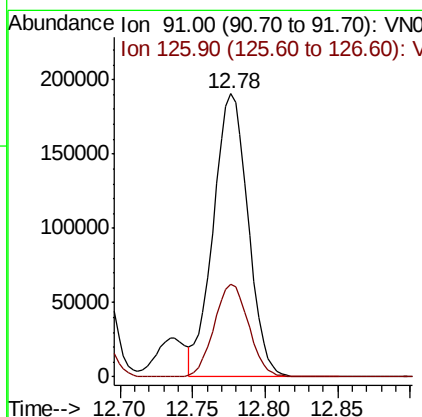
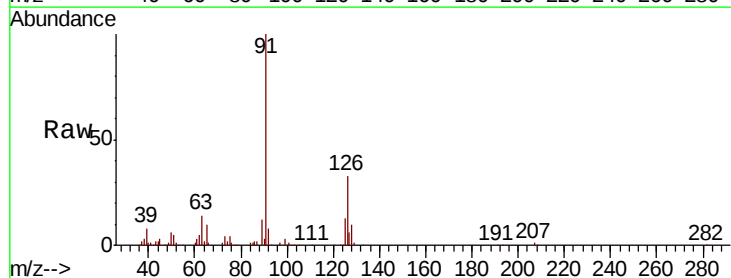
Manual Integrations
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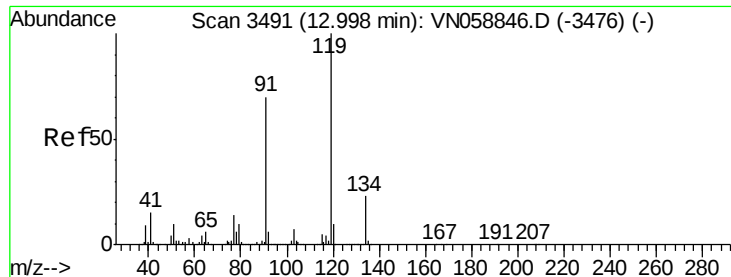
MMDadoda
10/22/2019 4:55:42 PM



#82
4-Chlorotoluene
Concen: 20.024 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.0	47.9





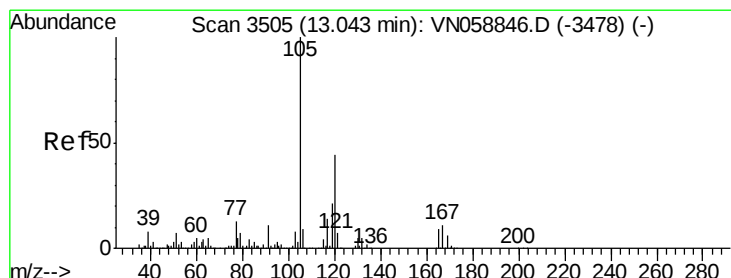
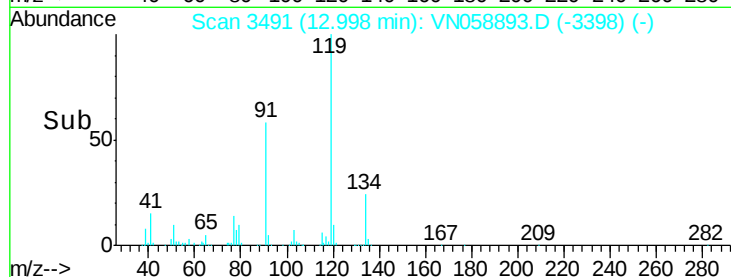
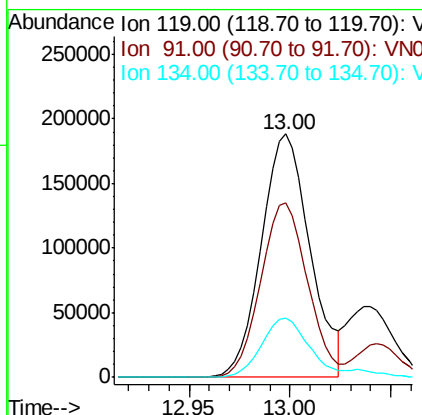
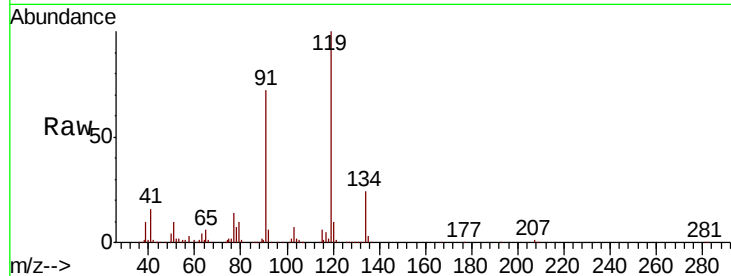
#83
 tert-Butylbenzene
 Concen: 20.534 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.5	34.1	102.3
134	23.7	11.6	34.8

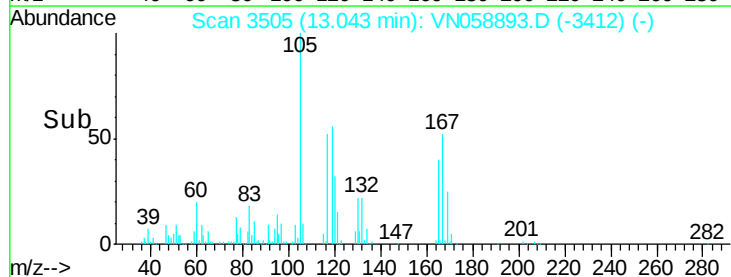
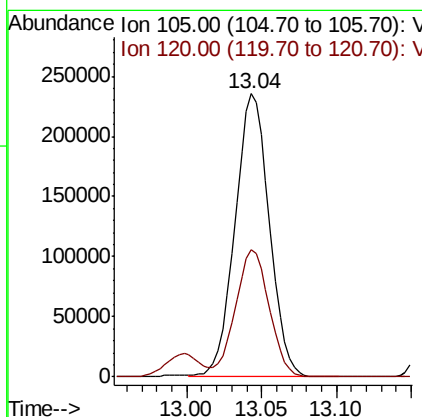
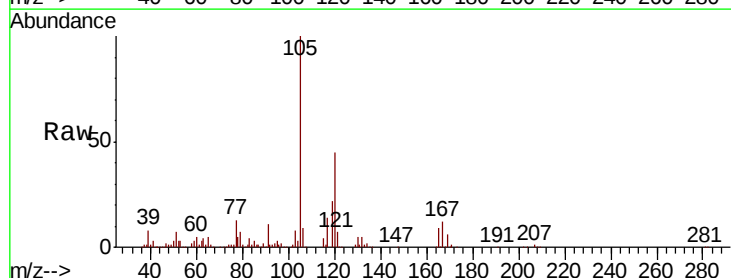
Manual Integrations
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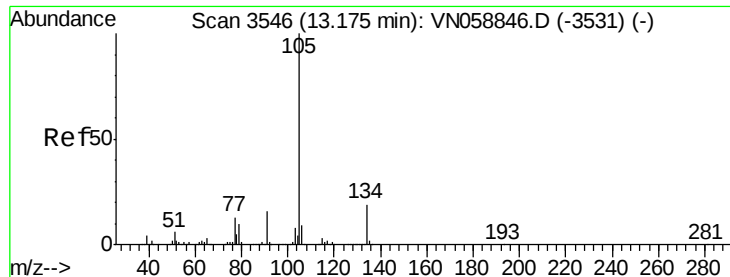
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.076 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	21.9	65.8





#85

sec-Butylbenzene

Concen: 20.752 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBSD01

Tot Ion:105 Resp: 425518

Ion Ratio Lower Upper

105 100

134 19.3

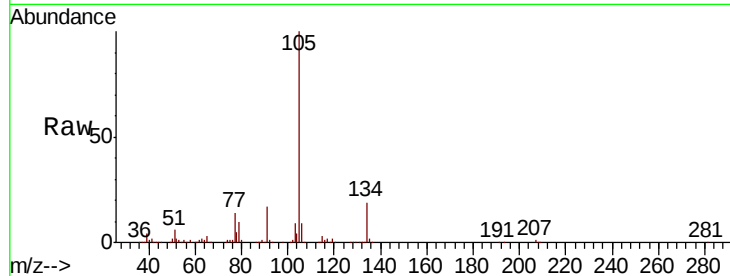
9.4 28.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

250000

200000

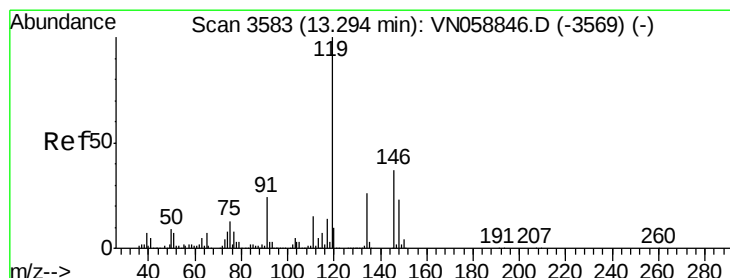
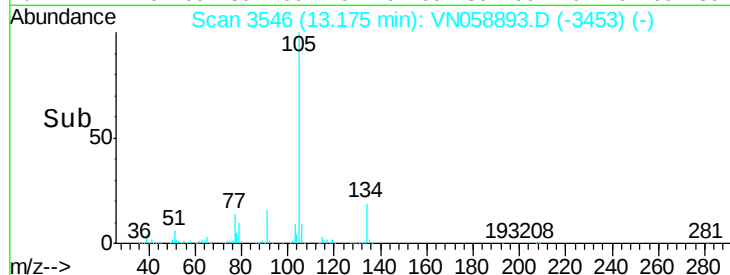
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.037 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Tgt Ion:119 Resp: 380621

Ion Ratio Lower Upper

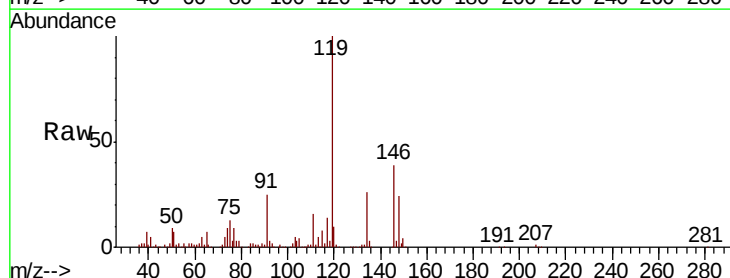
119 100

134 25.8

91 24.9

12.8 38.4

12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

250000

200000

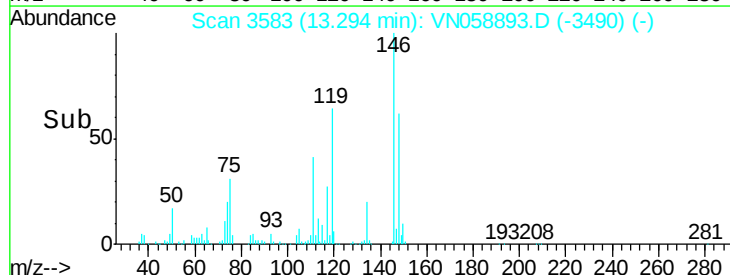
150000

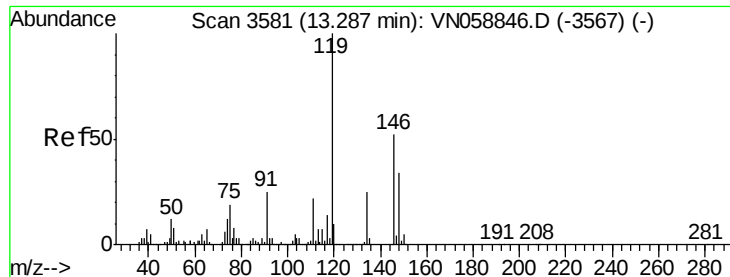
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.214 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058893.D

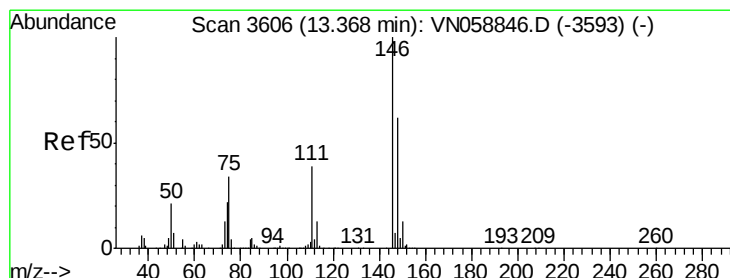
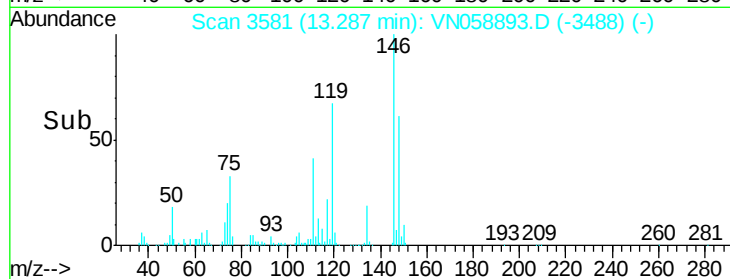
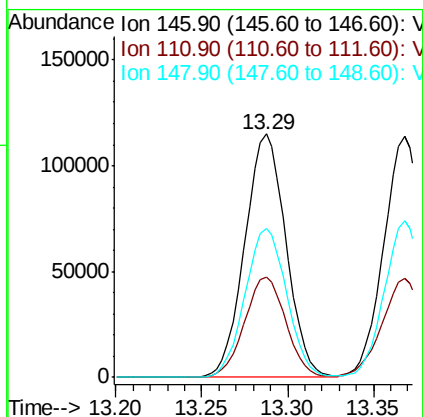
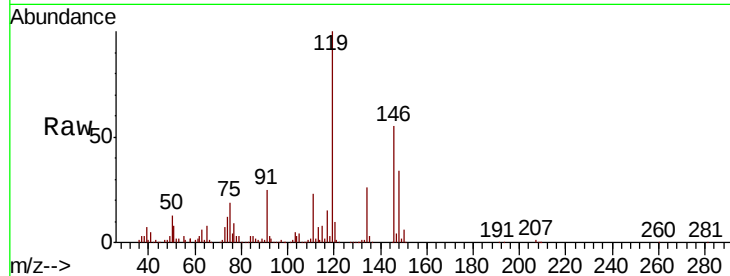
Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.0	63.0
148	62.1	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.711 ug/l

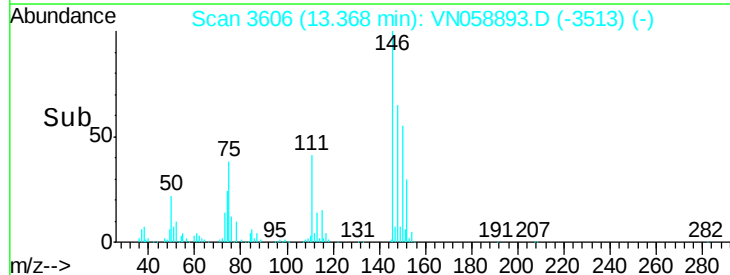
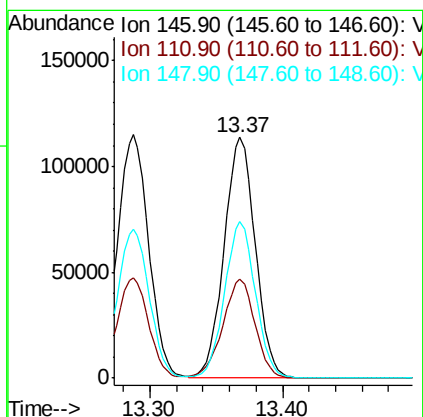
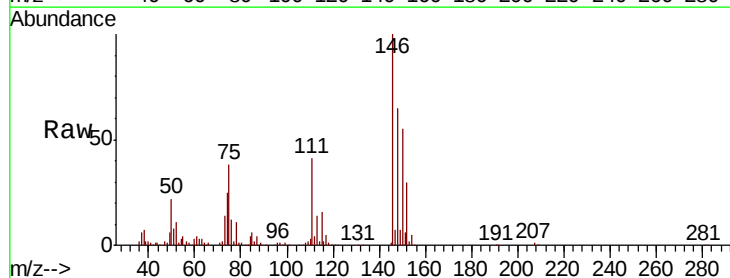
RT: 13.37 min Scan# 3606

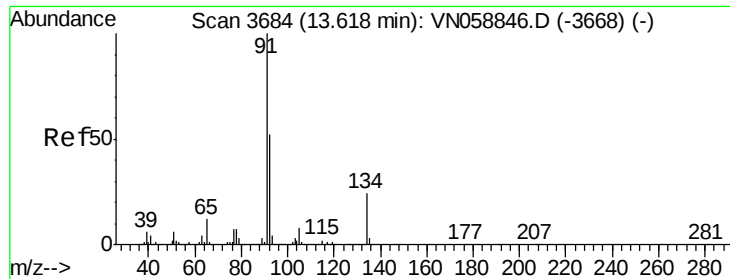
Delta R.T. 0.00 min

Lab File: VN058893.D

Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.2	60.6
148	64.2	31.6	94.7





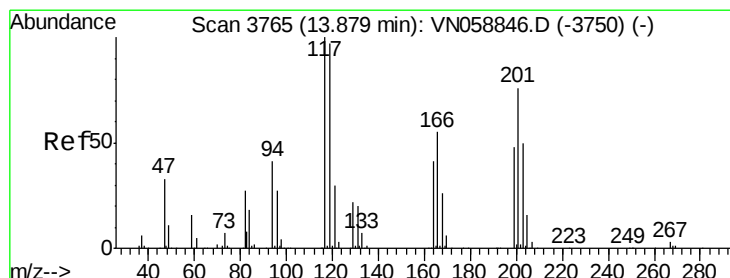
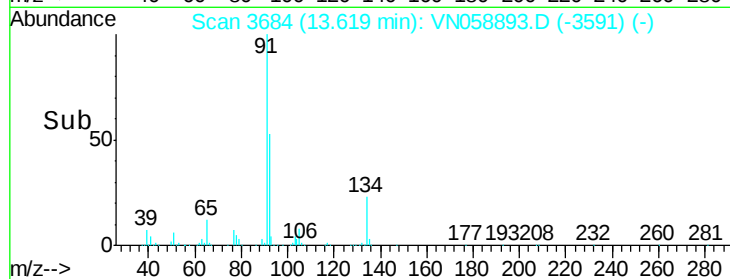
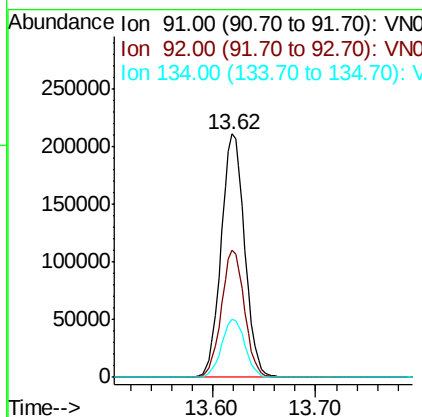
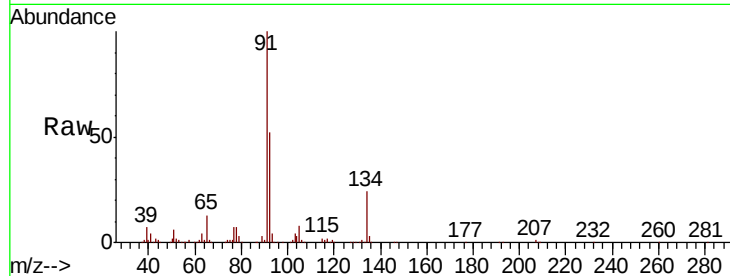
#89
n-Butylbenzene
Concen: 20.131 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.7	77.1
134	23.8	11.9	35.5

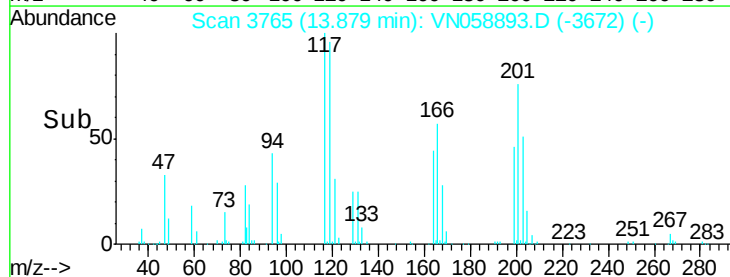
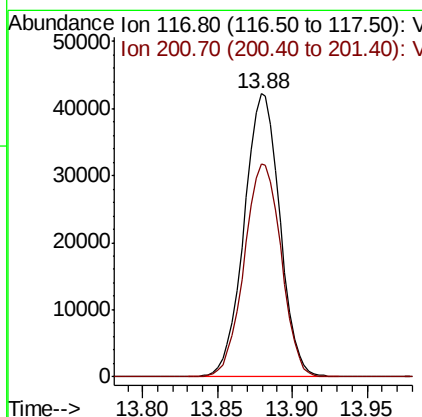
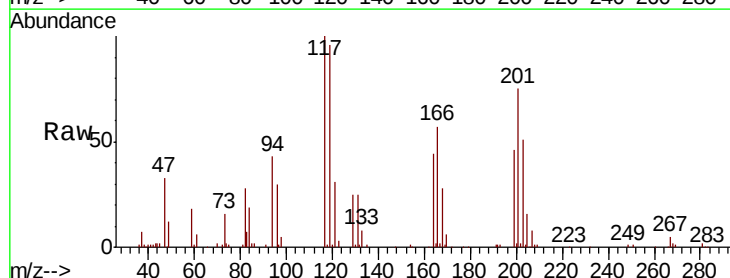
Manual Integrations
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#90
Hexachloroethane
Concen: 19.127 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.7	38.9	116.6





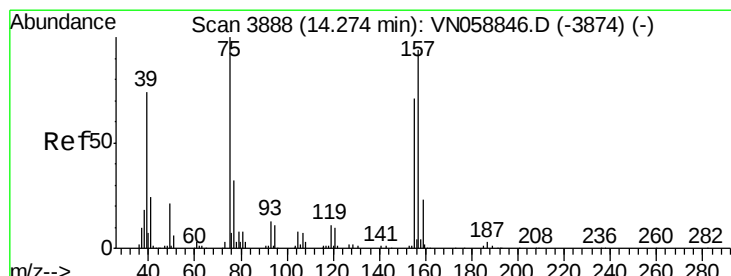
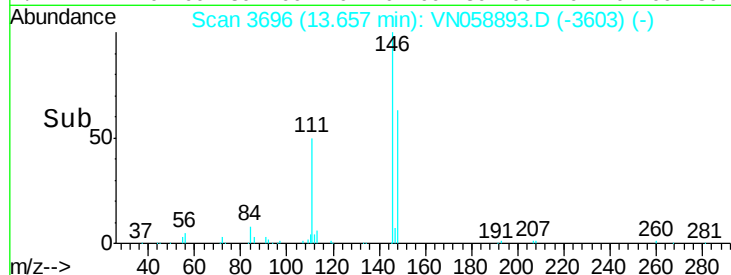
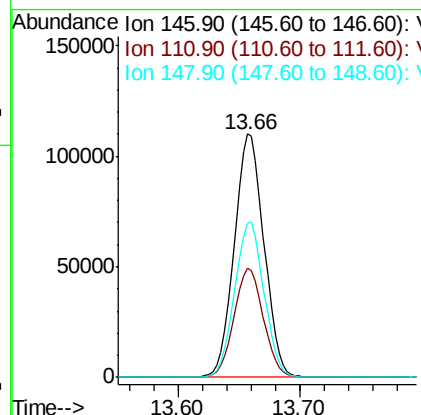
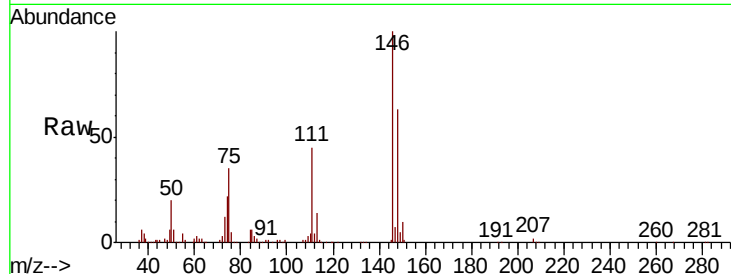
#91
 1,2-Dichlorobenzene
 Concen: 20.134 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.6	64.8
148	63.2	31.9	95.9

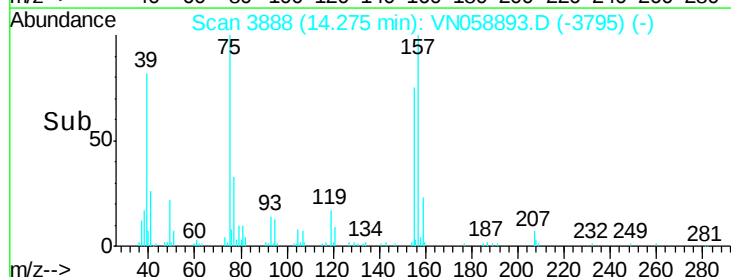
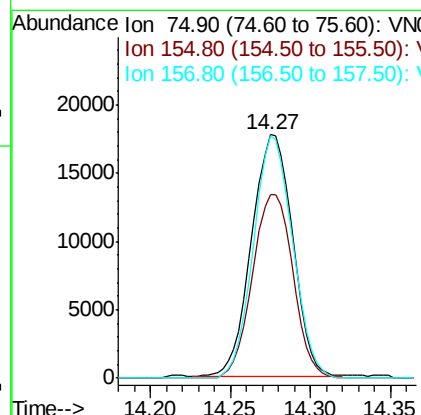
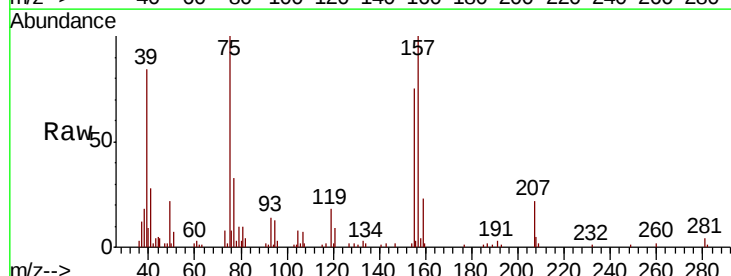
Manual Integrations
 APPROVED

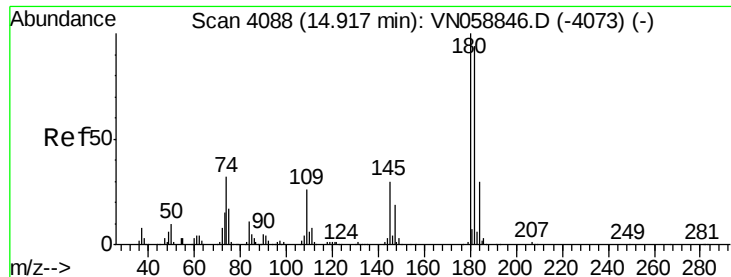
MMDadoda
 10/22/2019 4:55:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.133 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	35.6	106.8
157	96.0	47.4	142.2





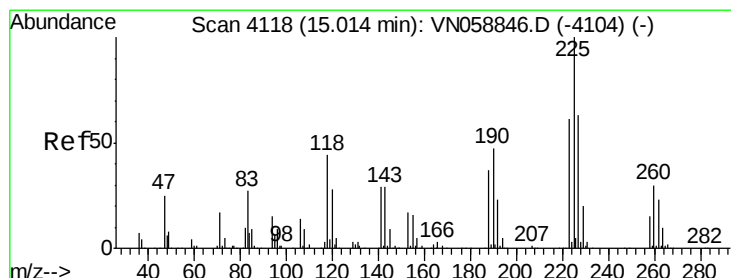
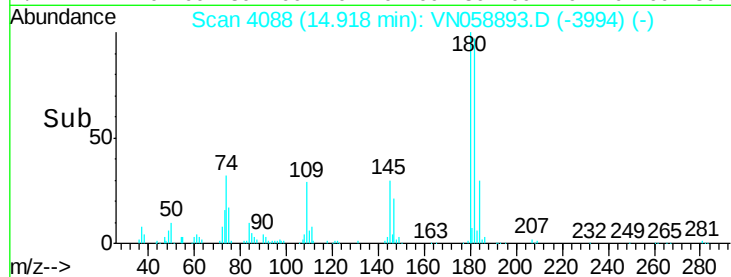
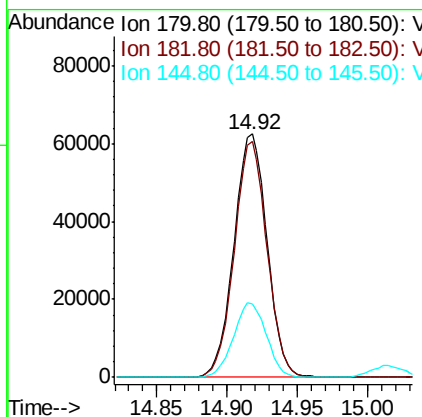
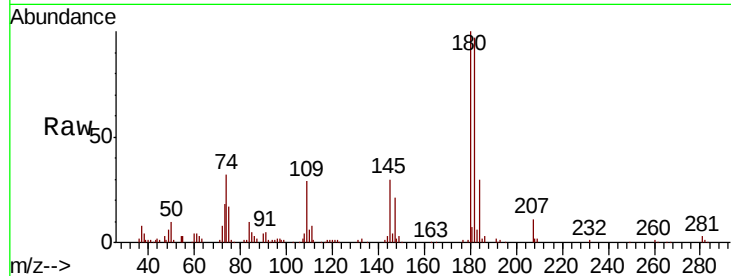
#93
 1,2,4-Trichlorobenzene
 Concen: 19.280 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	142.0
145	30.5	15.3	45.8

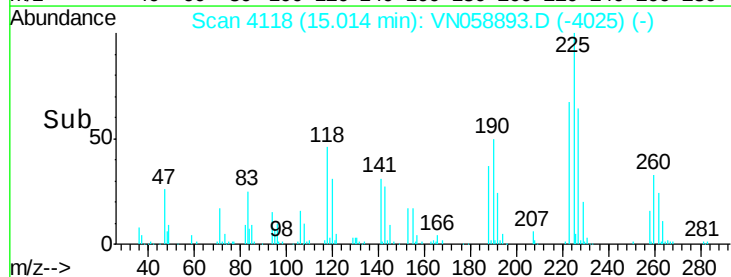
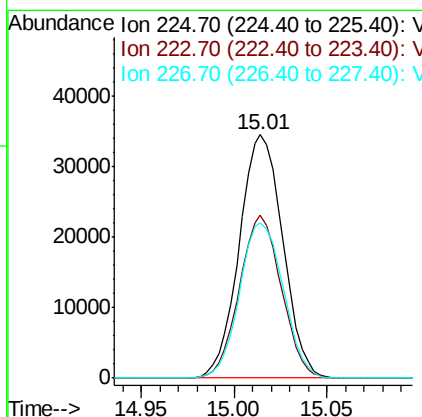
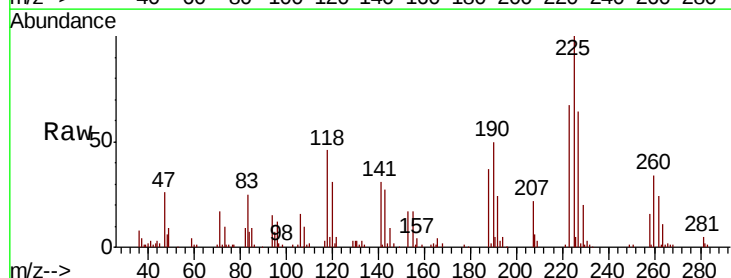
Manual Integrations
 APPROVED

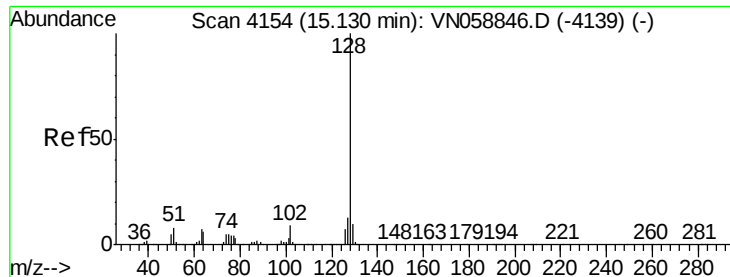
MMDadoda
 10/22/2019 4:55:42 PM



#94
 Hexachlorobutadiene
 Concen: 18.715 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058893.D
 Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	30.9	92.5
227	64.1	31.6	94.7





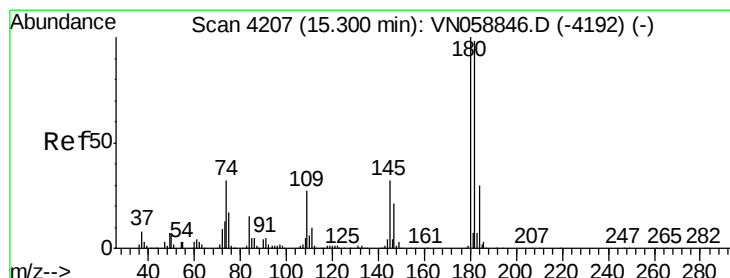
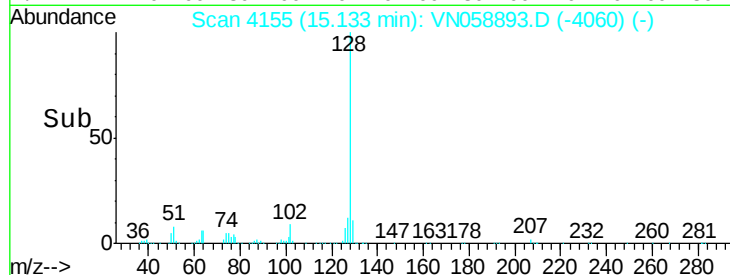
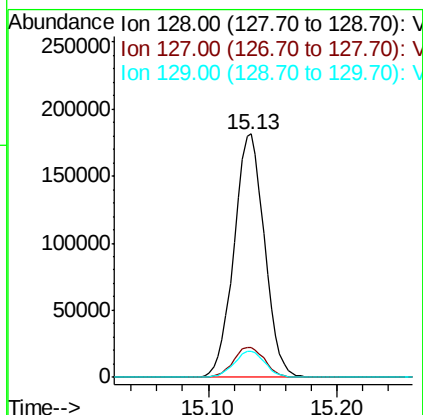
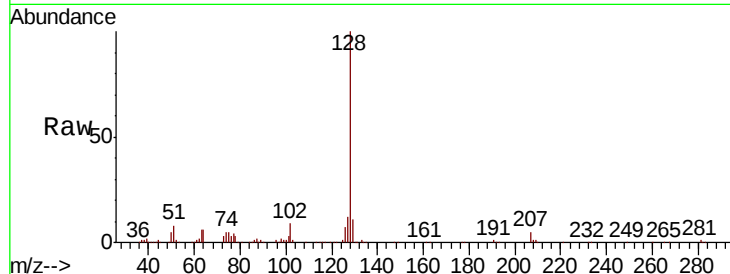
#95
Naphthalene
Concen: 19.166 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/22/2019 4:55:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.783 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058893.D
Acq: 21 Oct 2019 16:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.7
145	32.5	15.9	47.7

