

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058587.D
 Acq On : 7 Oct 2019 23:02
 Operator : JC/SP
 Sample : VN1007WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:50:47 AM

Quant Time: Oct 08 15:48:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	429547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	716808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	657808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	315090	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	306408	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
35) Dibromofluoromethane	7.57	113	220162	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.08	98	840139	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
62) 4-Bromofluorobenzene	12.41	95	320718	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	87331	18.542	ug/l	98
3) Chloromethane	2.04	50	122713	23.699	ug/l	100
4) Vinyl Chloride	2.17	62	115819	22.833	ug/l	97
5) Bromomethane	2.54	94	57256	21.251	ug/l	100
6) Chloroethane	2.68	64	70588	23.225	ug/l	98
7) Trichlorofluoromethane	3.00	101	142031	23.203	ug/l	99
8) Diethyl Ether	3.39	74	55804	21.129	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	84595	20.349	ug/l	98
10) Methyl Iodide	3.93	142	79210	17.184	ug/l	100
11) Tert butyl alcohol	4.76	59	91046	130.562	ug/l	97
12) 1,1-Dichloroethene	3.72	96	81631	20.145	ug/l	97
13) Acrolein	3.58	56	25666	115.719	ug/l	97
14) Allyl chloride	4.30	41	159294	21.601	ug/l	94
15) Acrylonitrile	4.96	53	236920	116.574	ug/l	100
16) Acetone	3.79	43	210222	98.243	ug/l	98
17) Carbon Disulfide	4.03	76	210873	19.742	ug/l	98
18) Methyl Acetate	4.30	43	122568	22.774	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	315665	22.079	ug/l	99
20) Methylene Chloride	4.53	84	103861	21.033	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	88119	19.556	ug/l	97
22) Diisopropyl ether	5.93	45	343558	21.650	ug/l	97
23) Vinyl Acetate	5.87	43	1363663	113.969	ug/l	100
24) 1,1-Dichloroethane	5.82	63	190563	21.338	ug/l	99
25) 2-Butanone	6.81	43	313859	106.831	ug/l	97
26) 2,2-Dichloropropane	6.80	77	139225	18.962	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	108972	20.692	ug/l	99
28) Bromochloromethane	7.18	49	73798	20.672	ug/l	99
29) Tetrahydrofuran	7.19	42	211242	113.287	ug/l	99
30) Chloroform	7.36	83	193391	21.369	ug/l	98
31) Cyclohexane	7.64	56	166875	19.209	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	163496	22.000	ug/l	99
36) 1,1-Dichloropropene	7.78	75	137547	20.068	ug/l	100
37) Ethyl Acetate	6.91	43	133796	23.024	ug/l	98
38) Carbon Tetrachloride	7.76	117	139192	22.498	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	151257	18.897	ug/l	99
40) Benzene	8.03	78	407484	20.682	ug/l	99
41) Methacrylonitrile	7.15	41	64484	24.121	ug/l	95
42) 1,2-Dichloroethane	8.11	62	161701	21.096	ug/l	100
43) Isopropyl Acetate	8.15	43	230386	21.083	ug/l #	89
44) Trichloroethene	8.82	130	101929	20.952	ug/l	98
45) 1,2-Dichloropropane	9.11	63	116472	22.043	ug/l	97
46) Dibromomethane	9.20	93	70642	21.111	ug/l	98
47) Bromodichloromethane	9.39	83	146713	23.141	ug/l	98
48) Methyl methacrylate	9.19	41	106183	21.340	ug/l	96
49) 1,4-Dioxane	9.19	88	36696	551.542	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	674175	120.107	ug/l	99
52) Toluene	10.15	92	254959	20.560	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	159967	23.181	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	172389	22.505	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	103714	22.969	ug/l	98
56) Ethyl methacrylate	10.43	69	154689	22.577	ug/l	97
57) 1,3-Dichloropropane	10.71	76	181500	22.535	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	361561	132.339	ug/l	100
59) 2-Hexanone	10.75	43	474491	116.092	ug/l	98
60) Dibromochloromethane	10.90	129	105965	22.356	ug/l	98
61) 1,2-Dibromoethane	11.00	107	102466	22.209	ug/l	99
64) Tetrachloroethene	10.63	164	91310	21.848	ug/l	98
65) Chlorobenzene	11.43	112	270559	20.692	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	101750	23.096	ug/l	99
67) Ethyl Benzene	11.51	91	498524	21.049	ug/l	98
68) m/p-Xylenes	11.63	106	362469	40.677	ug/l	98
69) o-Xylene	11.95	106	178309	20.787	ug/l	98
70) Styrene	11.97	104	287775	20.651	ug/l	99
71) Bromoform	12.13	173	68995	23.042	ug/l #	99
73) Isopropylbenzene	12.25	105	479468	20.590	ug/l	99
74) N-amyl acetate	12.07	43	198028	21.377	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	149374	21.693	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	142169m	24.703	ug/l	
77) Bromobenzene	12.53	156	116280	21.297	ug/l	100
78) n-propylbenzene	12.60	91	555121	21.160	ug/l	100
79) 2-Chlorotoluene	12.68	91	339103	20.942	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	407695	20.915	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40173	21.200	ug/l	98
82) 4-Chlorotoluene	12.78	91	339949	20.574	ug/l	99
83) tert-Butylbenzene	13.00	119	343463	20.881	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	410083	20.998	ug/l	98
85) sec-Butylbenzene	13.18	105	459327	21.217	ug/l	99
86) p-Isopropyltoluene	13.30	119	411752	21.607	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	205308	20.737	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	204176	20.728	ug/l	99
89) n-Butylbenzene	13.62	91	359506	20.826	ug/l	99
90) Hexachloroethane	13.88	117	68276	23.846	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	204429	21.490	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	29214	24.059	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	120268	22.879	ug/l	99
94) Hexachlorobutadiene	15.02	225	58169	21.529	ug/l	99
95) Naphthalene	15.13	128	347294	22.544	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	115151	21.835	ug/l	99

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

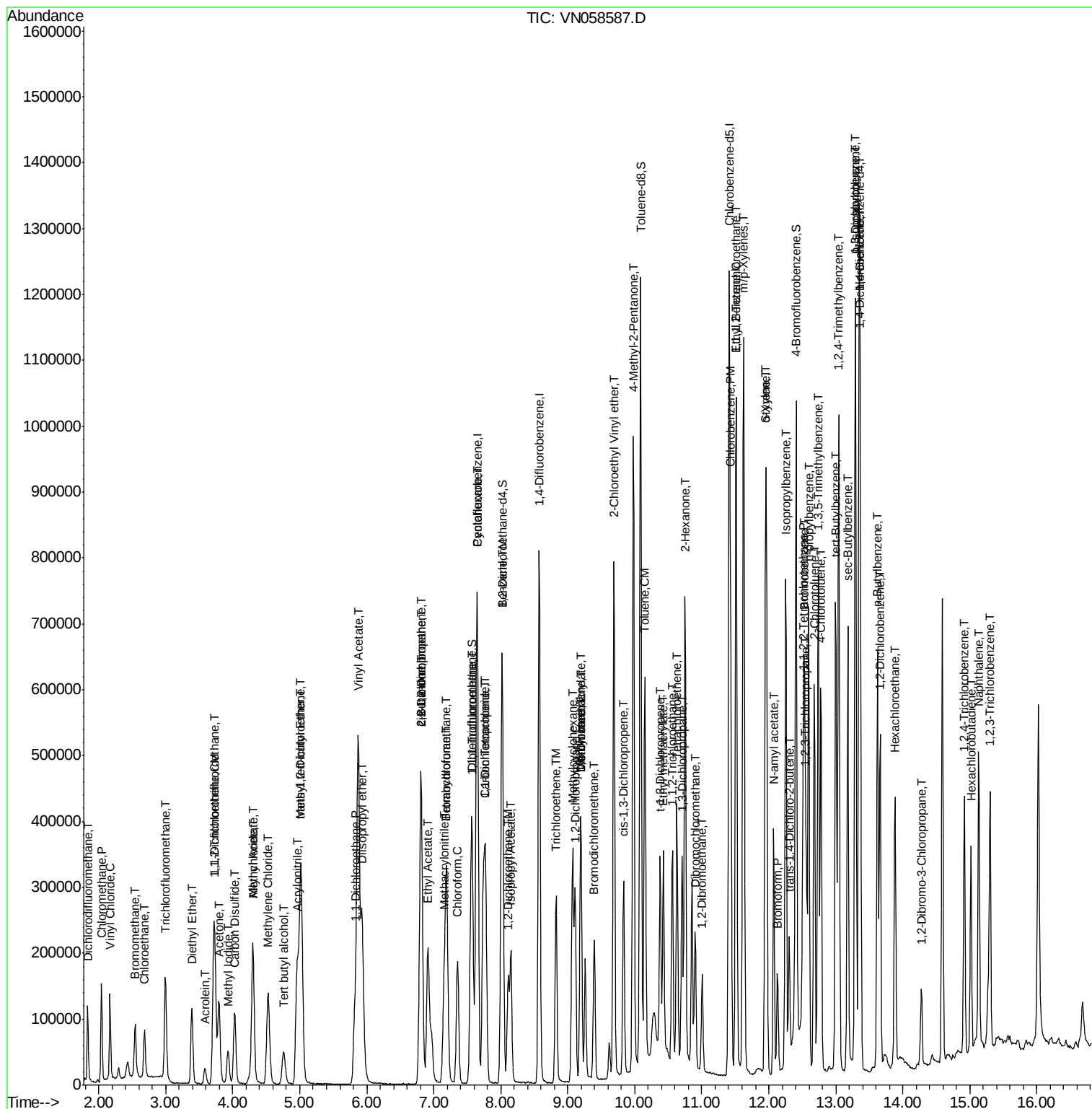
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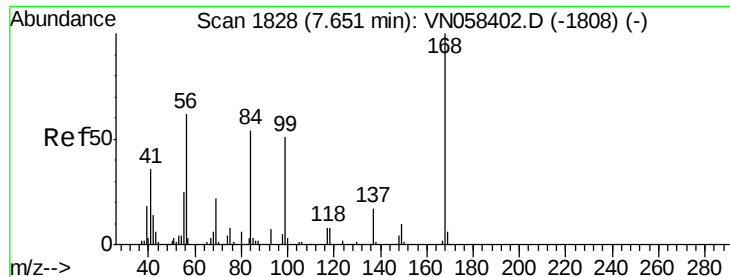
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD02

Tot Ion:168 Resp: 429547

Ion Ratio Lower Upper

168 100

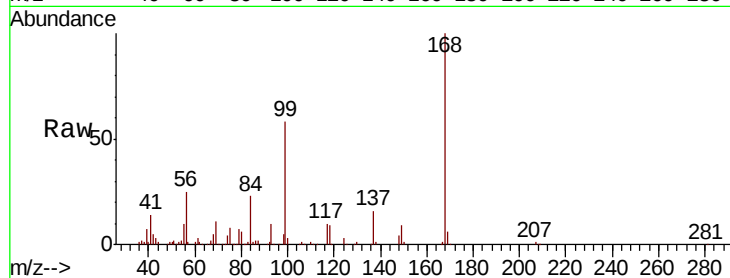
99 57.5 47.7 71.5

Manual Integrations

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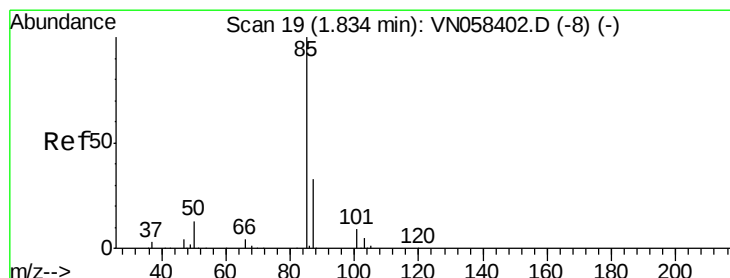
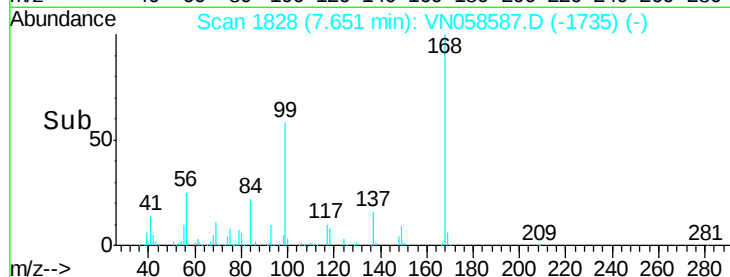
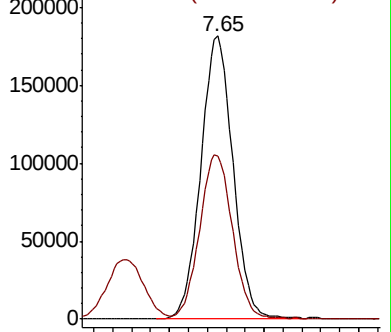
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.542 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058587.D

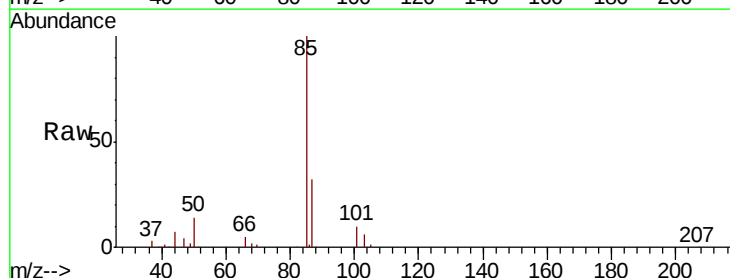
Acq: 7 Oct 2019 23:02

Tgt Ion: 85 Resp: 87331

Ion Ratio Lower Upper

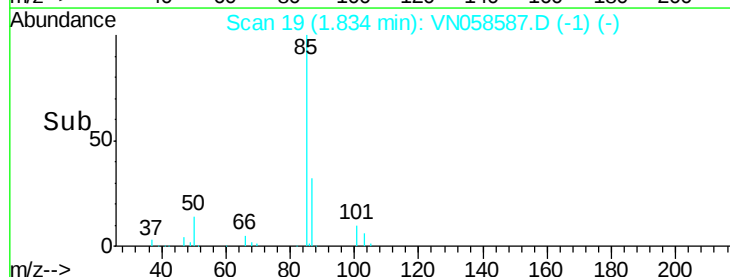
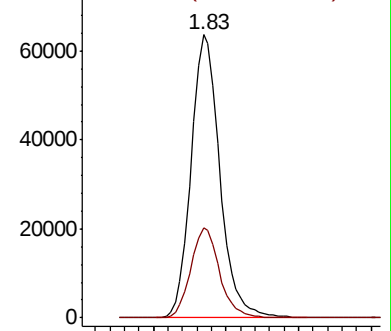
85 100

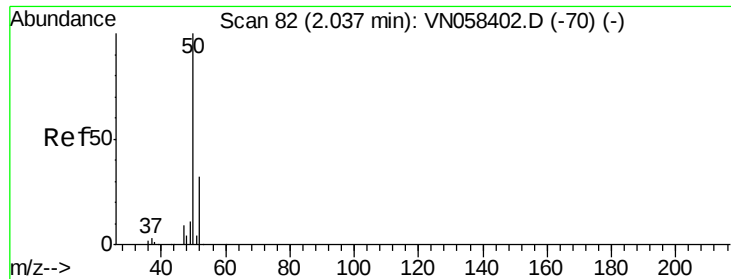
87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 23.699 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD02

Tot Ion: 50 Resp: 122713

Ion Ratio Lower Upper

50 100

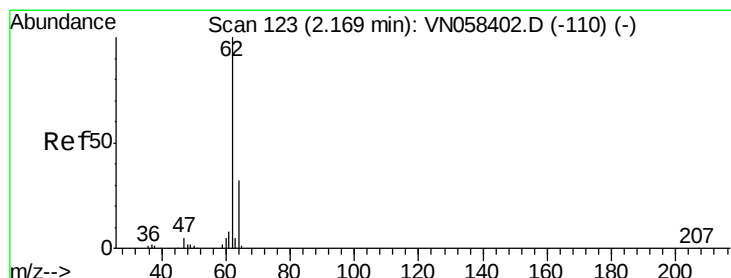
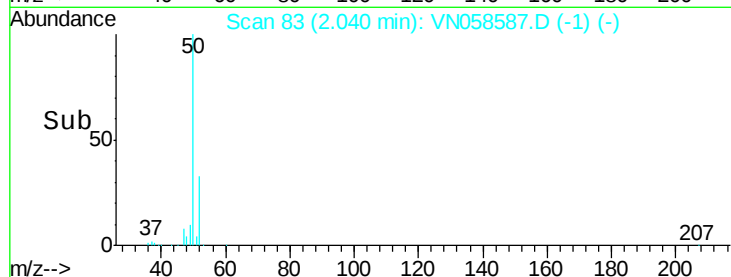
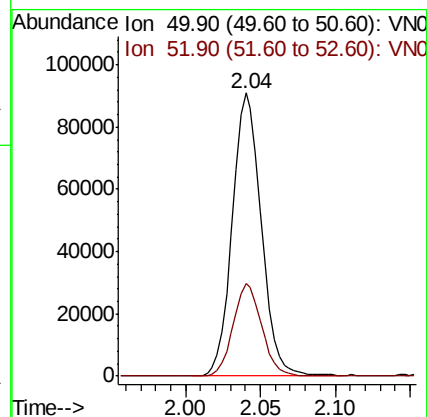
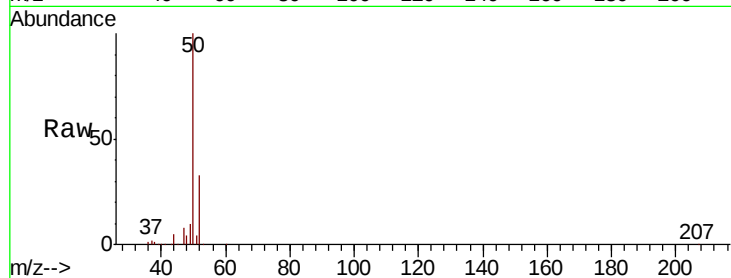
52 32.5 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.833 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058587.D

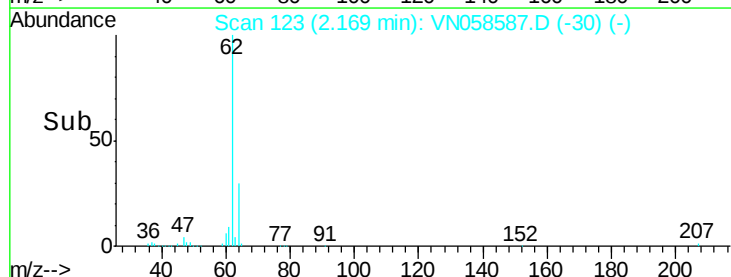
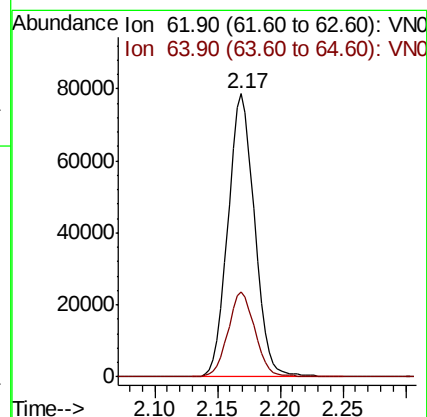
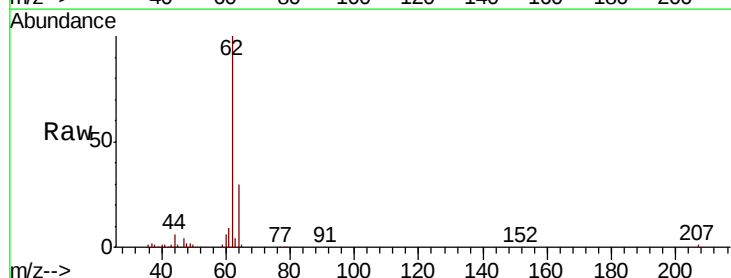
Acq: 7 Oct 2019 23:02

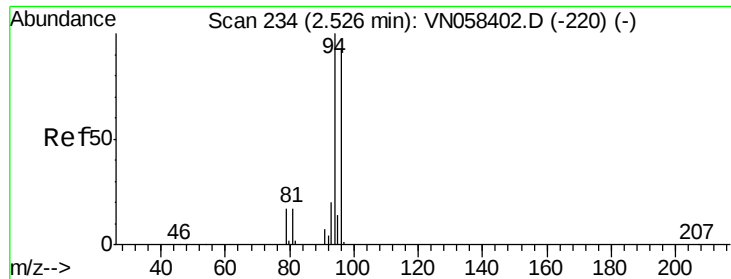
Tgt Ion: 62 Resp: 115819

Ion Ratio Lower Upper

62 100

64 30.2 25.5 38.3





#5

Bromomethane

Concen: 21.251 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

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Tot Ion: 94 Resp: 57256

Ion Ratio Lower Upper

94 100

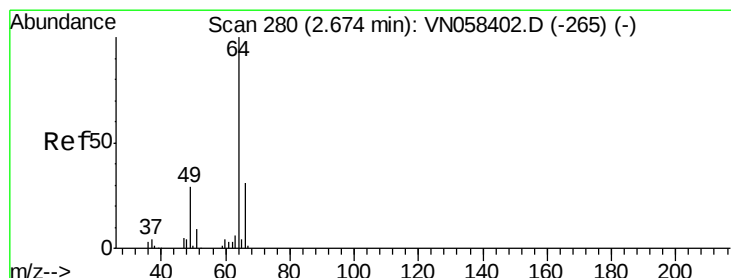
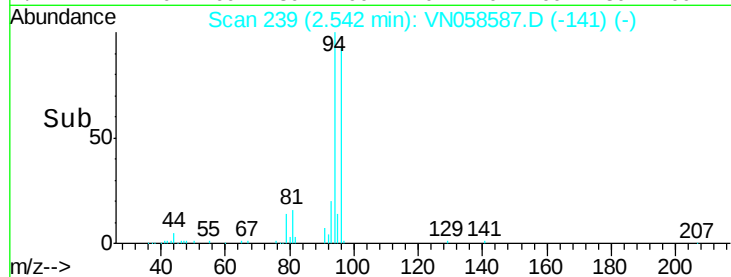
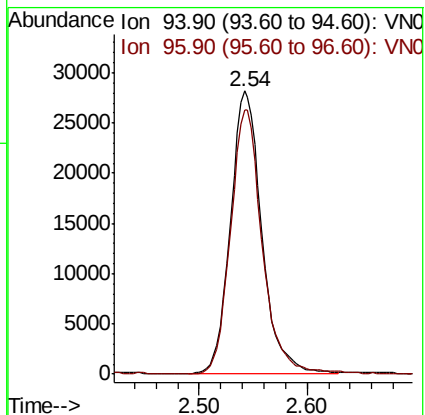
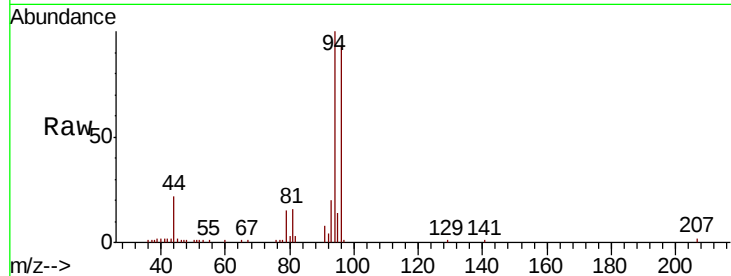
96 93.5 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 23.225 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058587.D

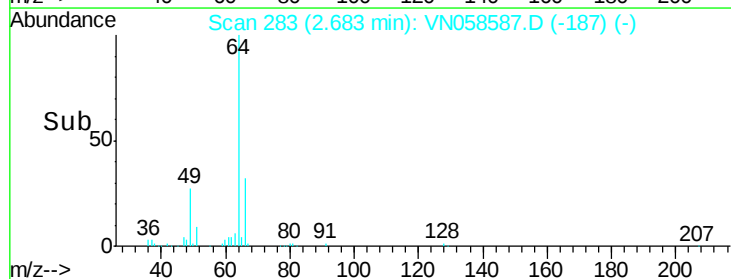
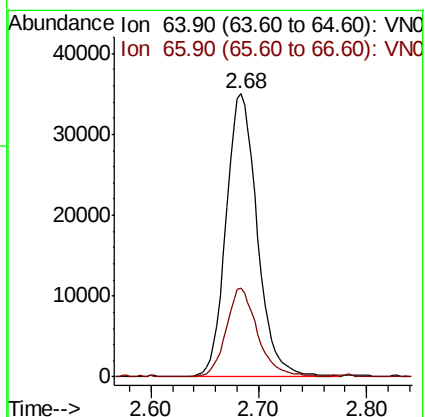
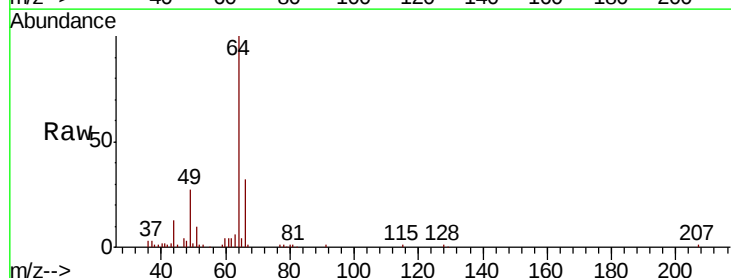
Acq: 7 Oct 2019 23:02

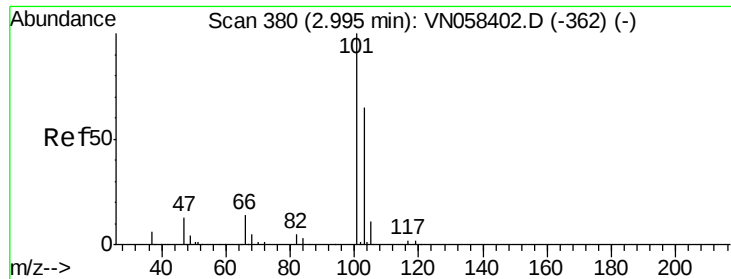
Tgt Ion: 64 Resp: 70588

Ion Ratio Lower Upper

64 100

66 31.5 24.4 36.6





#7

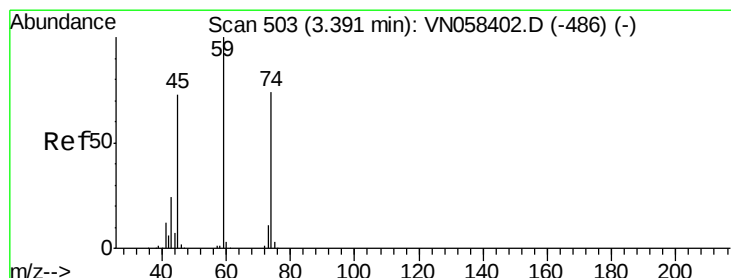
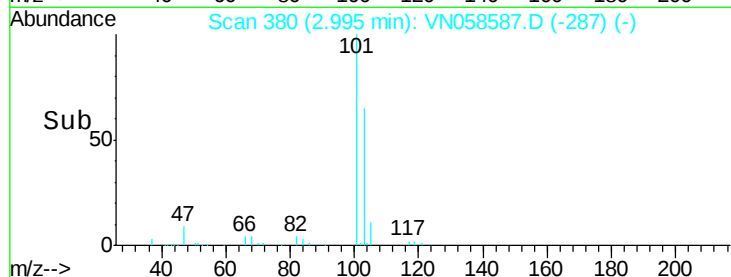
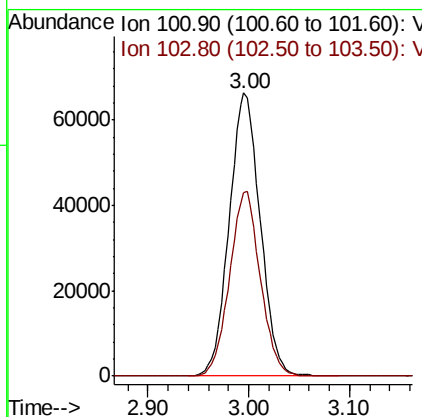
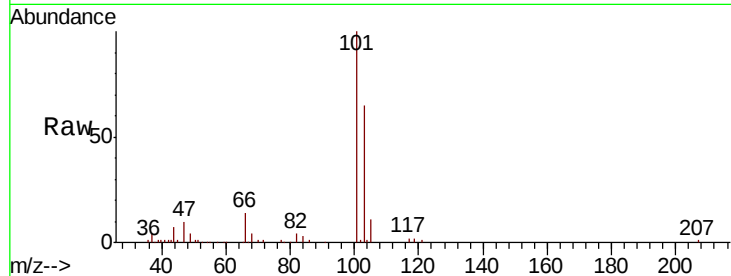
Trichlorofluoromethane
 Concen: 23.203 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.3	78.5

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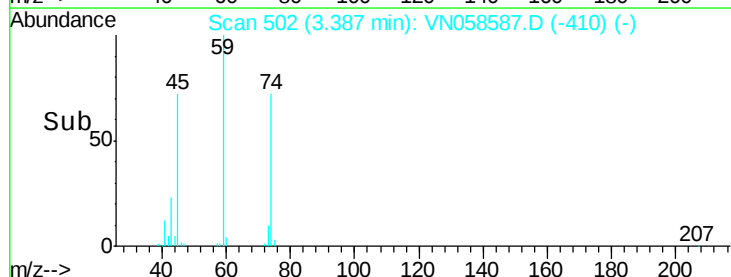
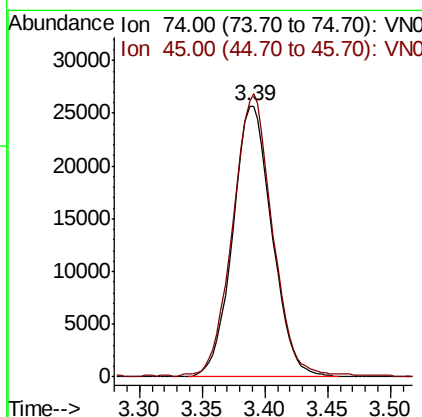
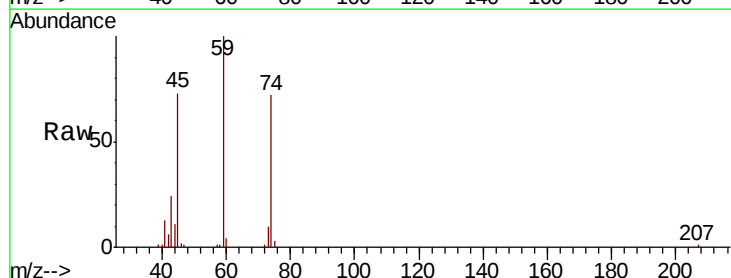
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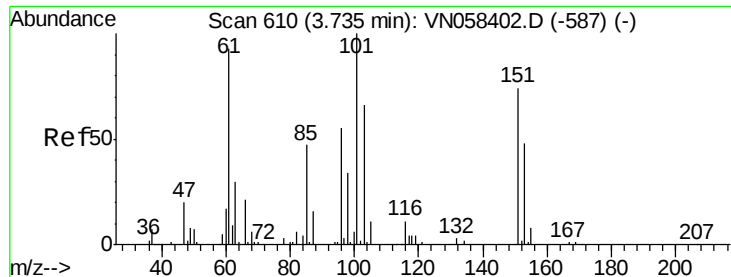


#8

Diethyl Ether
 Concen: 21.129 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.2	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.349 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

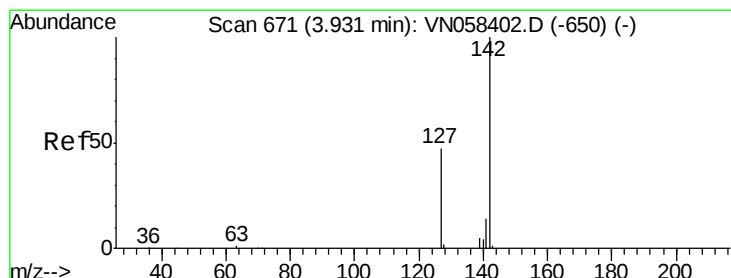
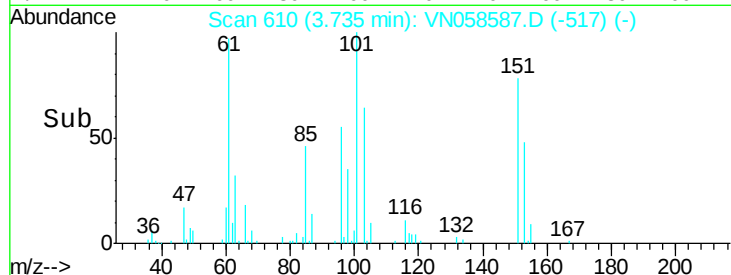
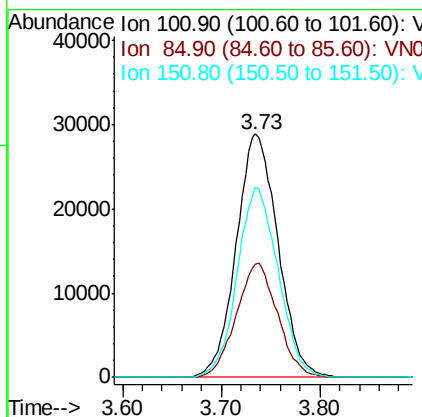
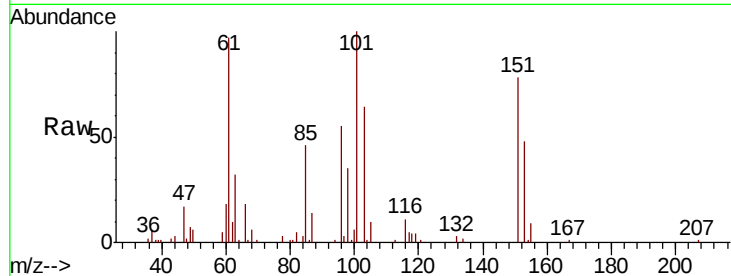
ClientSampleId :

VN1007WBSD02

Tot Ion:	101	Resp:	84595
Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.7	55.1
151	76.5	59.4	89.0

Manual Integrations
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#10

Methyl Iodide

Concen: 17.184 ug/l

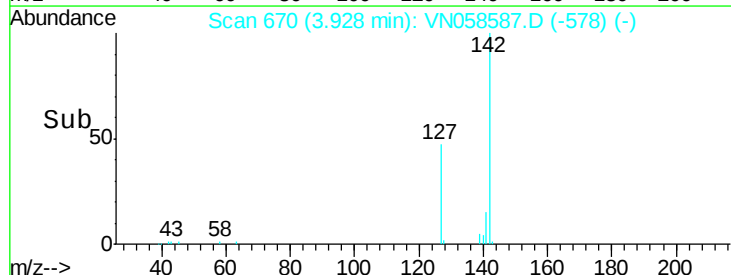
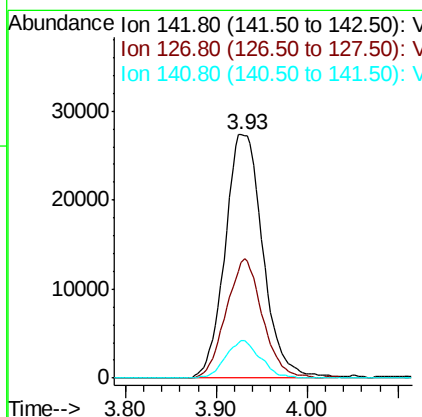
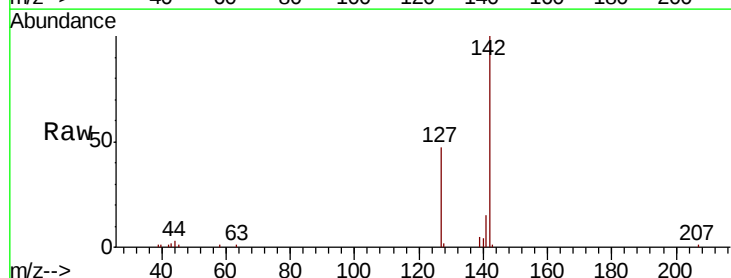
RT: 3.93 min Scan# 670

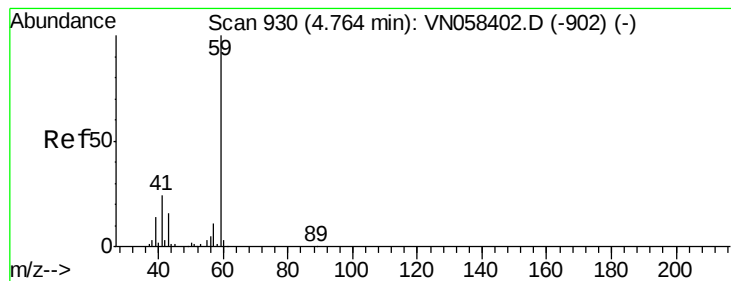
Delta R.T. -0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Tgt Ion:	142	Resp:	79210
Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.2	55.8
141	14.1	11.3	16.9





#11

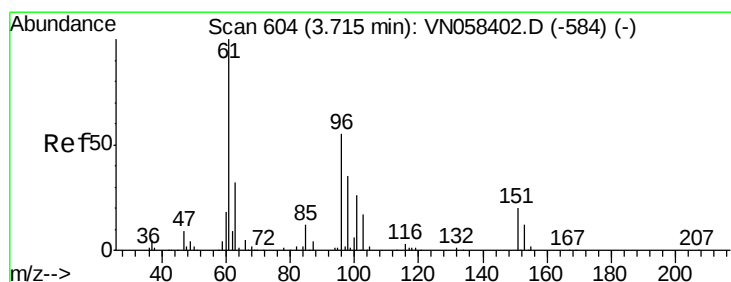
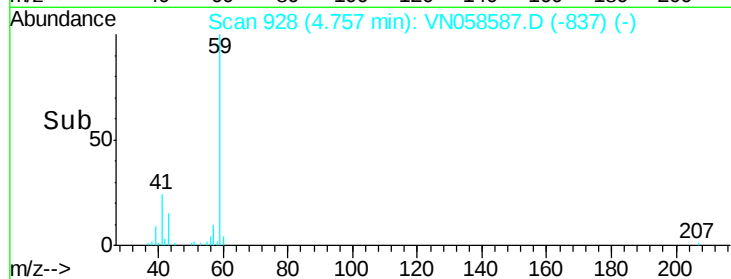
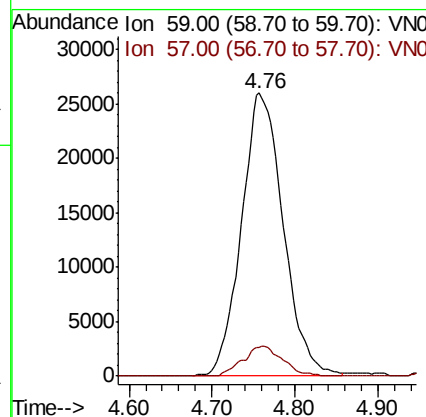
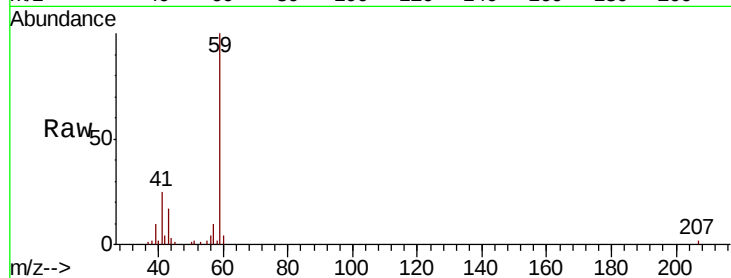
Tert butyl alcohol
 Concen: 130.562 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD02

Tot Ion	59.00 (58.70 to 59.70): VN0	Resp	91046
Ion	Ratio	Lower	Upper
59	100		
57	10.0	9.0	13.4

Manual Integrations
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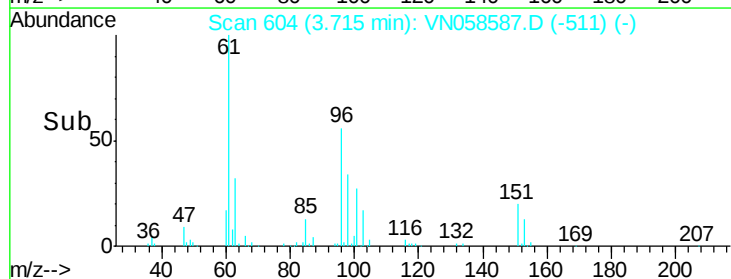
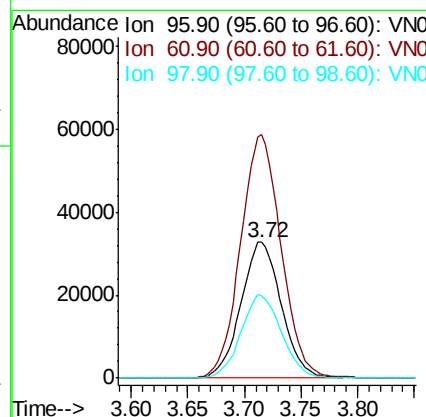
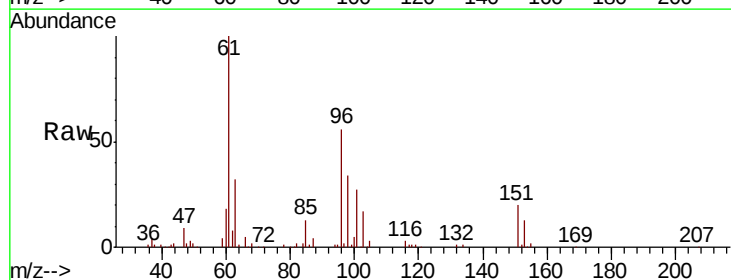
MMDadoda
 10/9/2019 10:50:47 AM

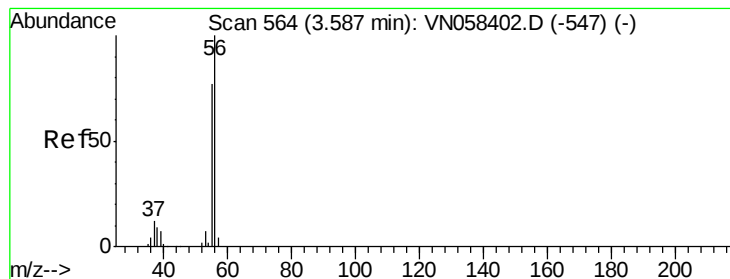


#12

1,1-Dichloroethene
 Concen: 20.145 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Tgt Ion	96	Resp	81631
Ion	Ratio	Lower	Upper
96	100		
61	179.1	146.7	220.1
98	60.4	51.3	76.9





#13

Acrolein

Concen: 115.719 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD02

Tot Ion: 56 Resp: 25666

Ion Ratio Lower Upper

56 100

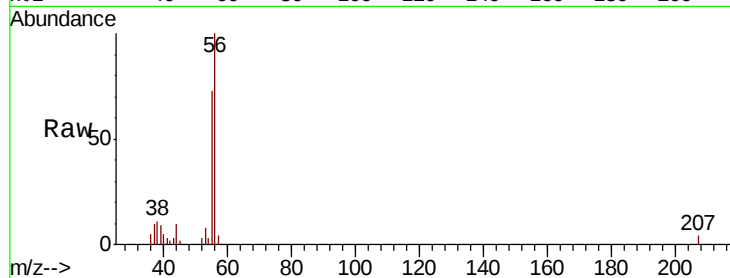
55 75.3 58.3 87.5

Manual Integrations

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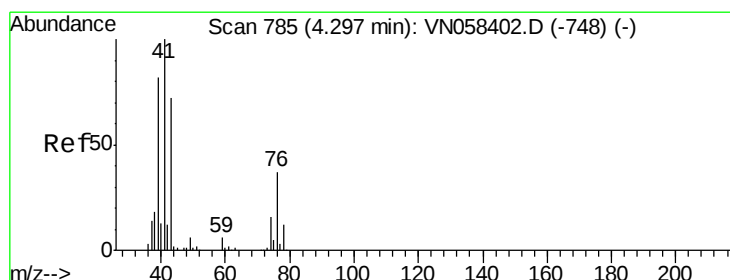
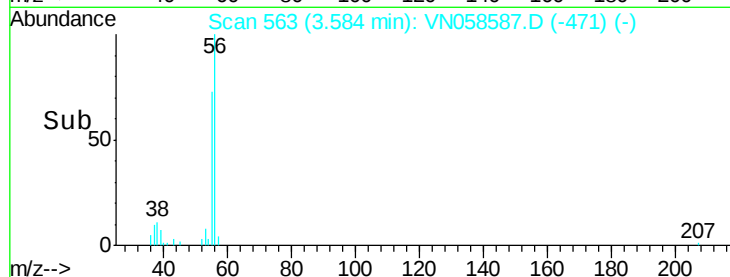
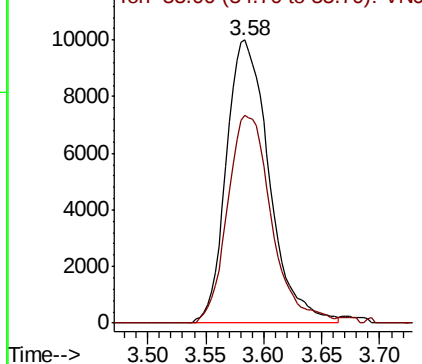
MMDadoda

10/9/2019 10:50:47 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.601 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

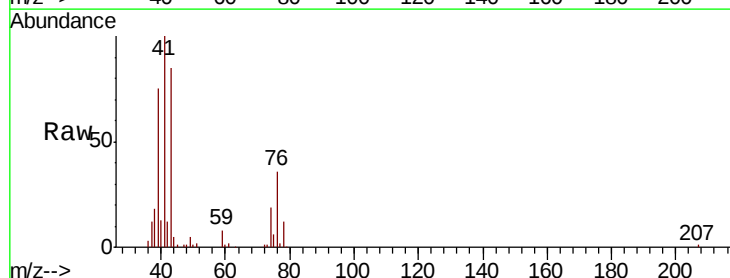
Tgt Ion: 41 Resp: 159294

Ion Ratio Lower Upper

41 100

39 71.7 62.3 93.5

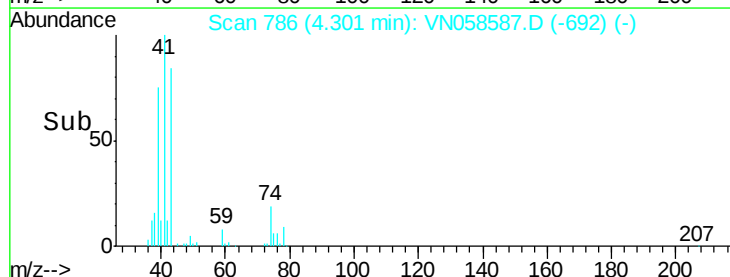
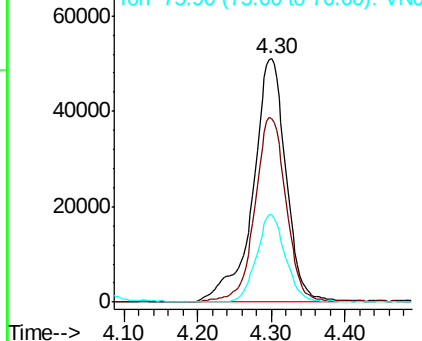
76 31.4 26.9 40.3

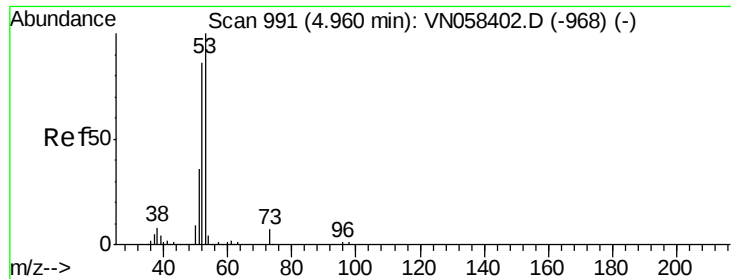


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 116.574 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

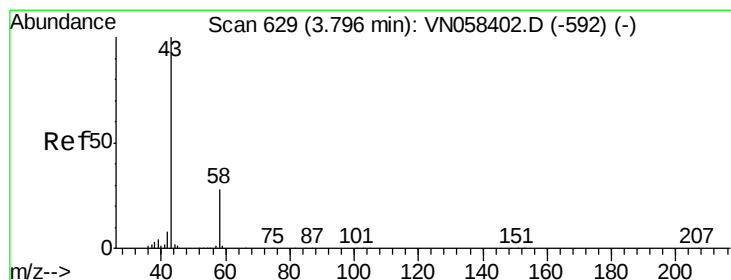
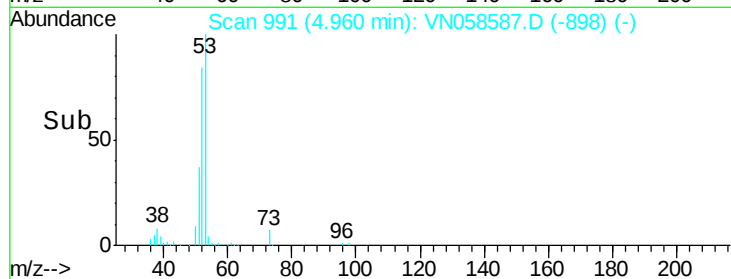
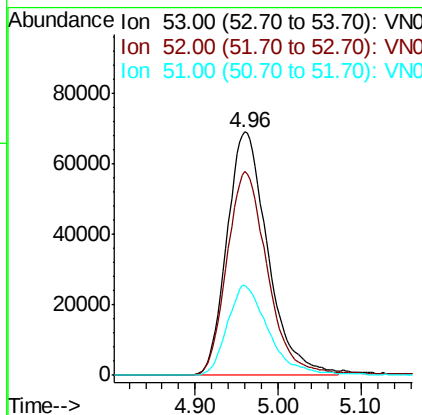
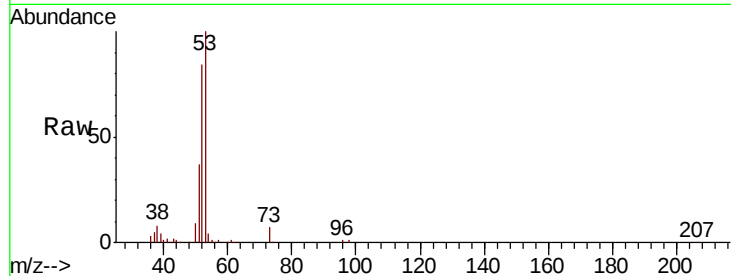
ClientSampleId :

VN1007WBSD02

Tot Ion:	53	Resp:	236920
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.6	100.0
51	37.1	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 98.243 ug/l

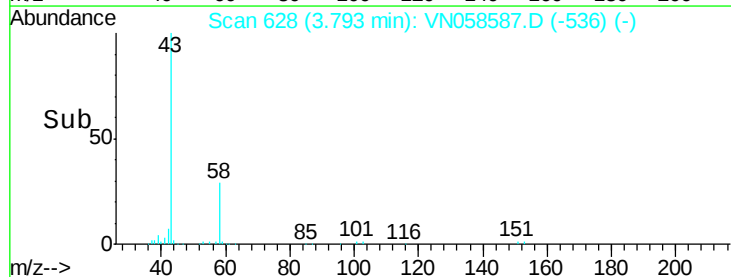
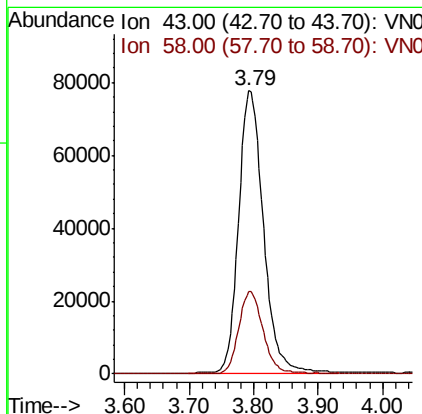
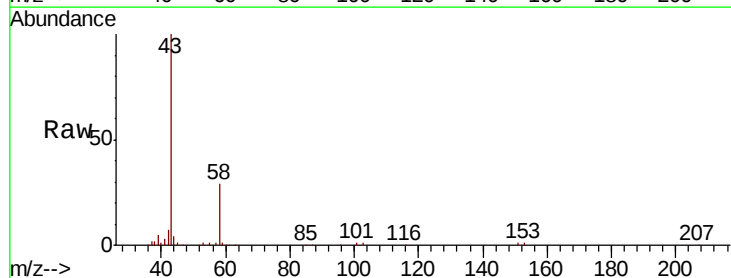
RT: 3.79 min Scan# 628

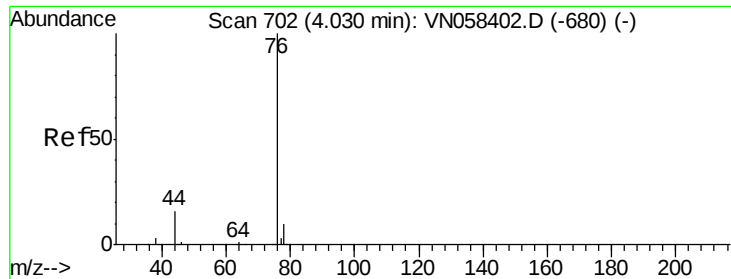
Delta R.T. -0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Tgt Ion:	43	Resp:	210222
Ion	Ratio	Lower	Upper
43	100		
58	29.0	22.4	33.6





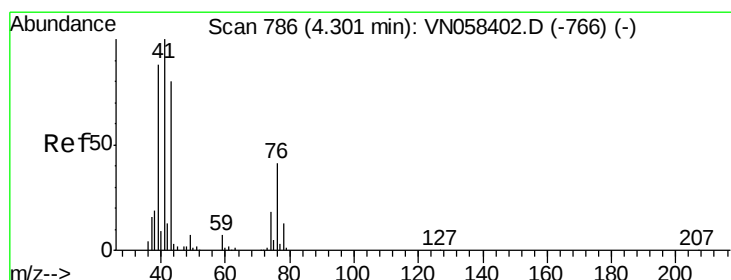
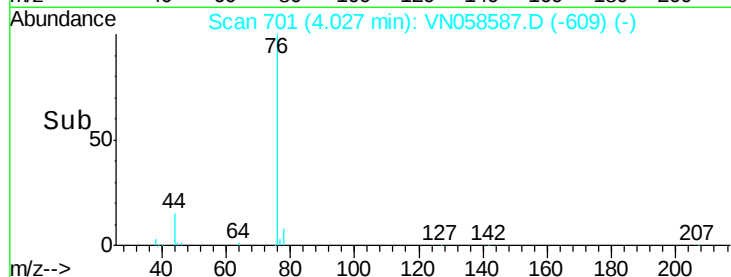
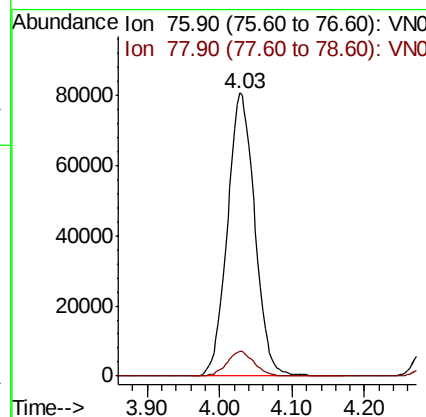
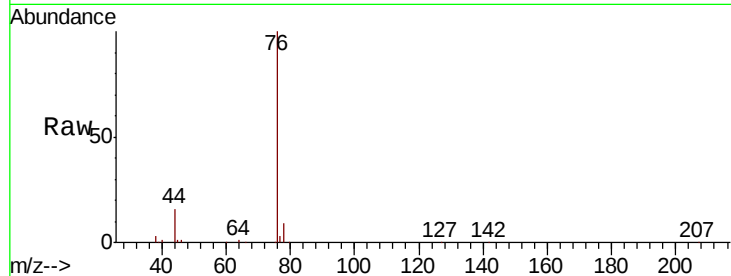
#17
Carbon Disulfide
Concen: 19.742 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.7	11.5

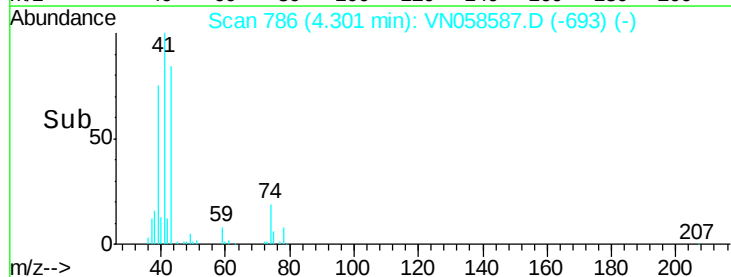
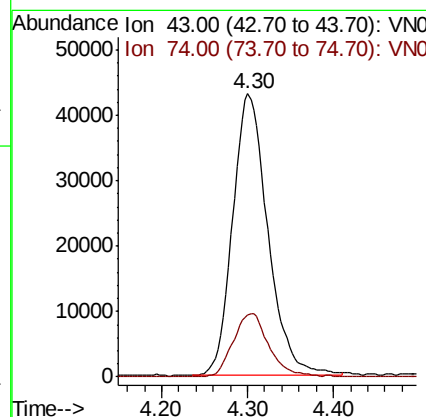
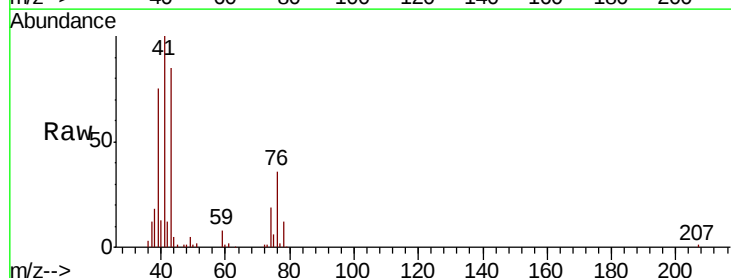
Manual Integrations
APPROVED

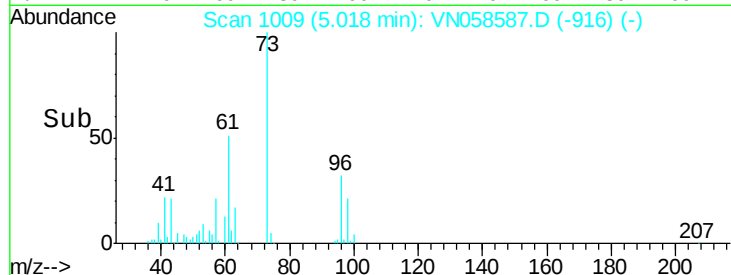
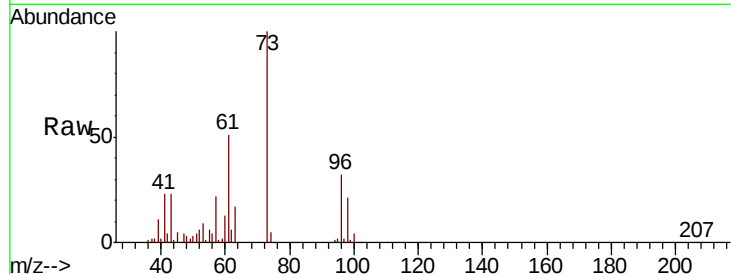
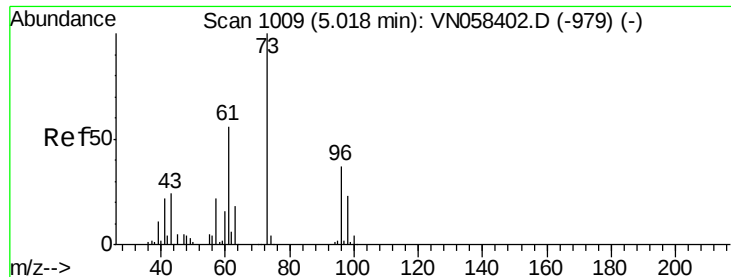
MMDadoda
10/9/2019 10:50:47 AM



#18
Methyl Acetate
Concen: 22.774 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.0	27.0





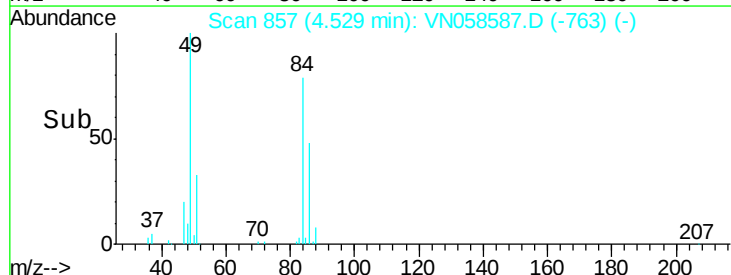
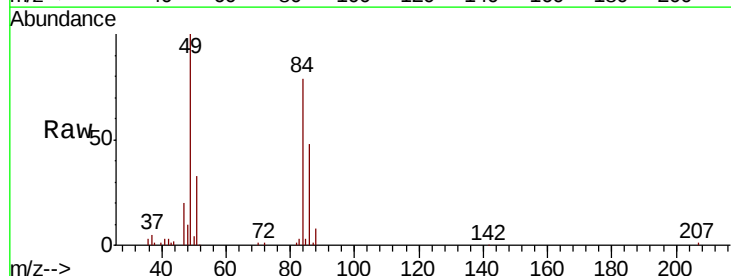
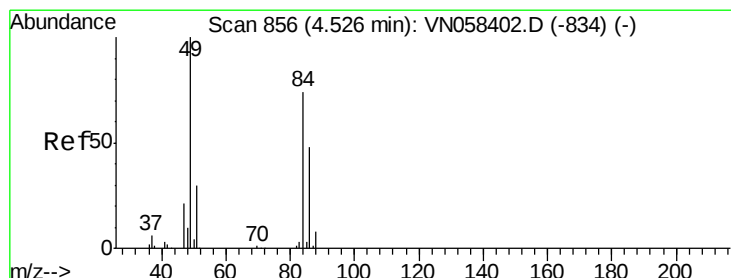
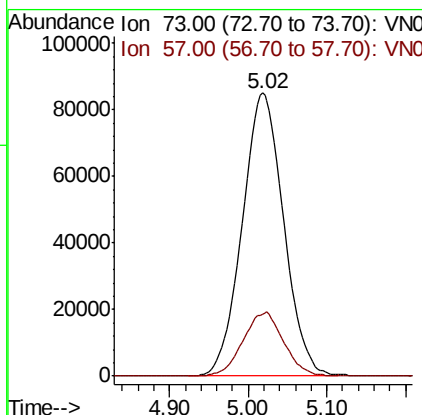
#19
Methvl tert-butvl Ether
Concen: 22.079 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tot Ion: 73 Resp: 315665
Ion Ratio Lower Upper
73 100
57 21.7 17.6 26.4

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD02

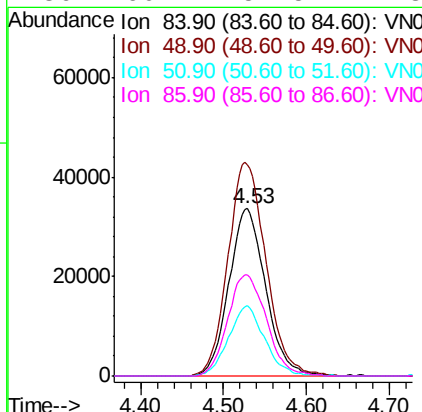
Manual Integrations
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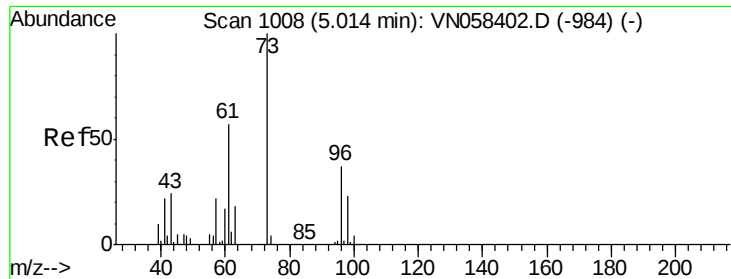
MMDadoda
10/9/2019 10:50:47 AM



#20
Methylene Chloride
Concen: 21.033 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion: 84 Resp: 103861
Ion Ratio Lower Upper
84 100
49 126.5 107.9 161.9
51 41.9 32.8 49.2
86 60.7 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.556 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

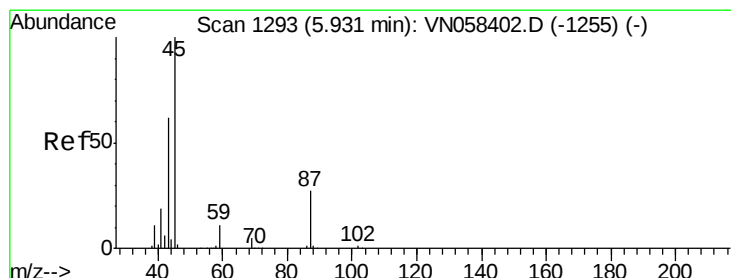
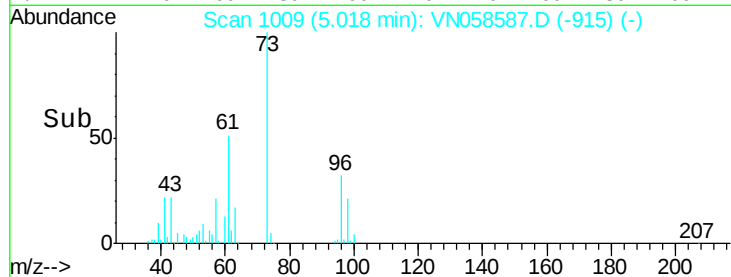
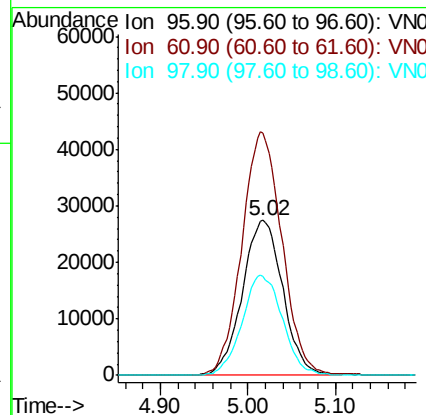
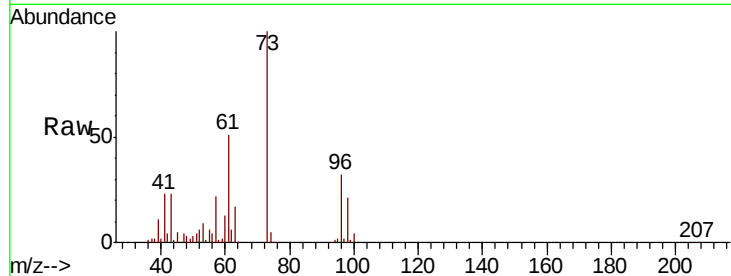
ClientSampleId :

VN1007WBSD02

Tot Ion:	96	Resp:	88119
Ion	Ratio	Lower	Upper
96	100		
61	156.3	121.9	182.9
98	63.8	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.650 ug/l

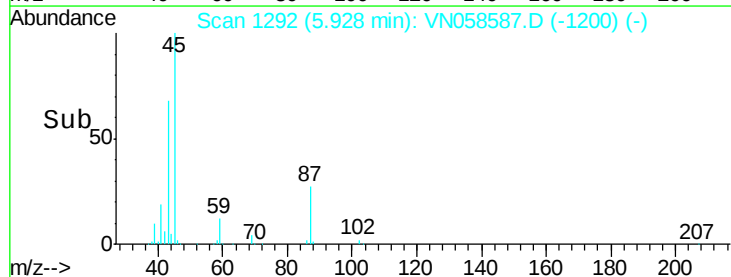
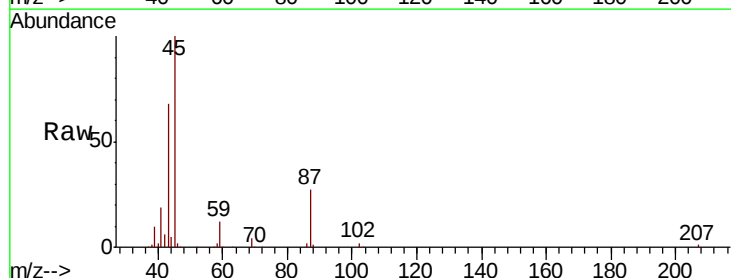
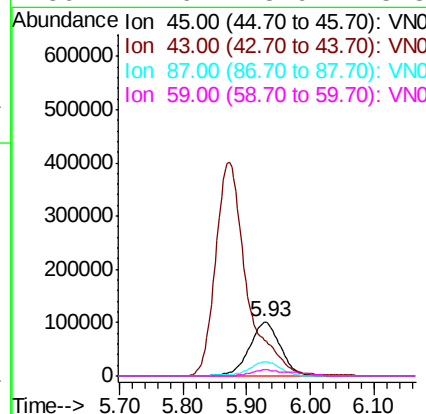
RT: 5.93 min Scan# 1292

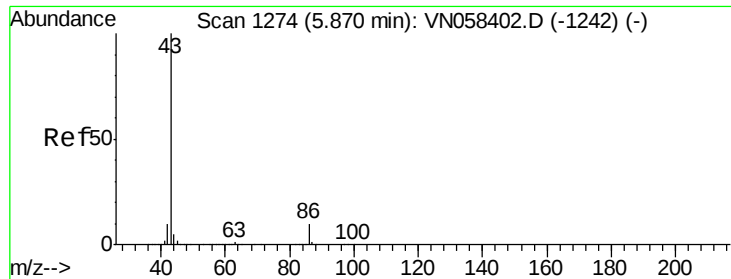
Delta R.T. -0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Tgt Ion:	45	Resp:	343558
Ion	Ratio	Lower	Upper
45	100		
43	66.0	49.7	74.5
87	26.8	21.5	32.3
59	11.6	8.9	13.3





#23

Vinyl Acetate

Concen: 113.969 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD02

Tot Ion: 43 Resp: 1363663

Ion Ratio Lower Upper

43 100

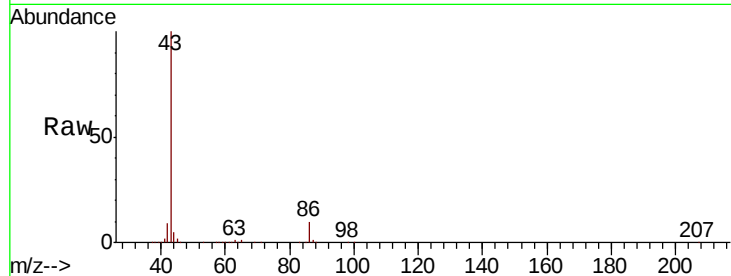
86 9.6 7.7 11.5

Manual Integrations

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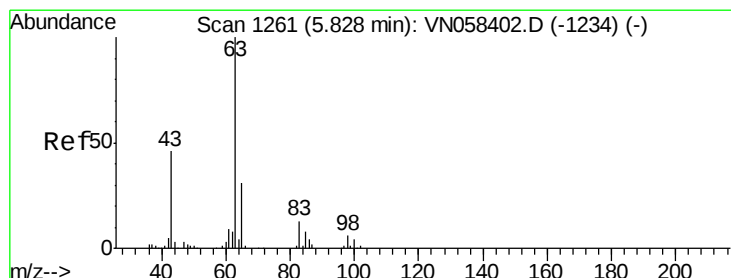
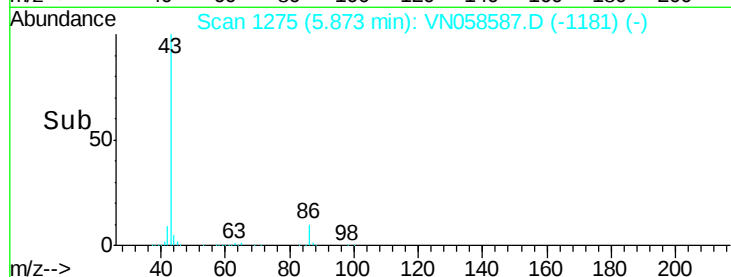
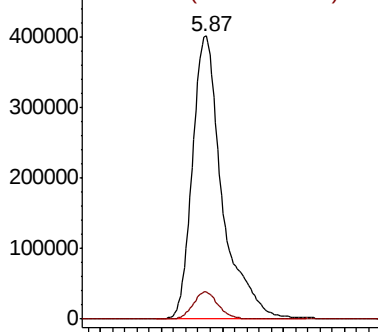
MMDadoda

10/9/2019 10:50:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 21.338 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

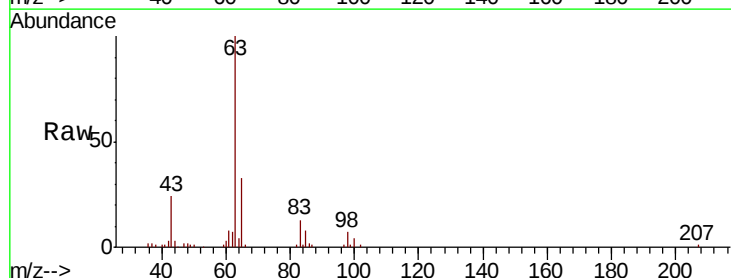
Tgt Ion: 63 Resp: 190563

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.0

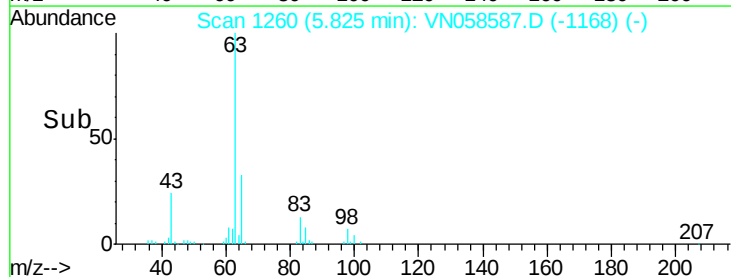
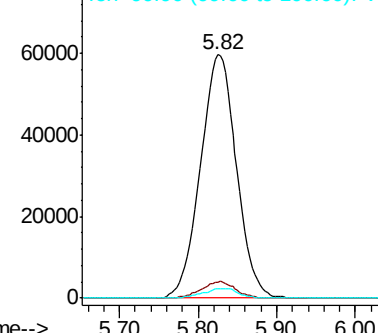
100 3.9 2.0 5.8

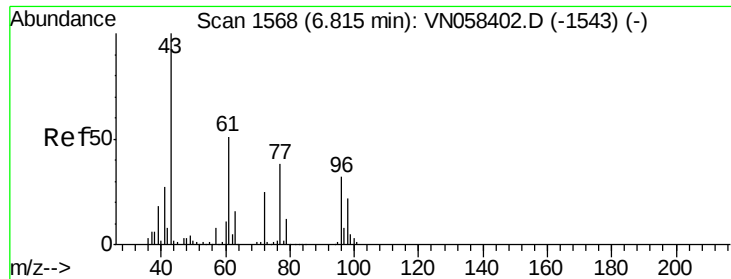


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





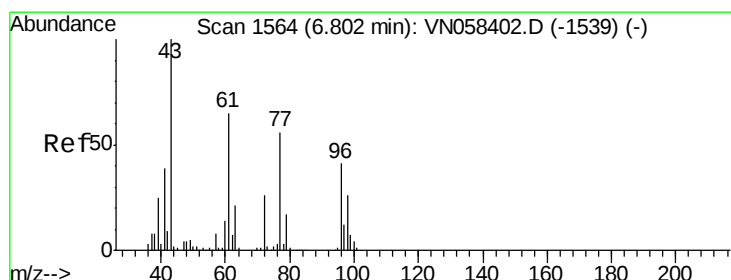
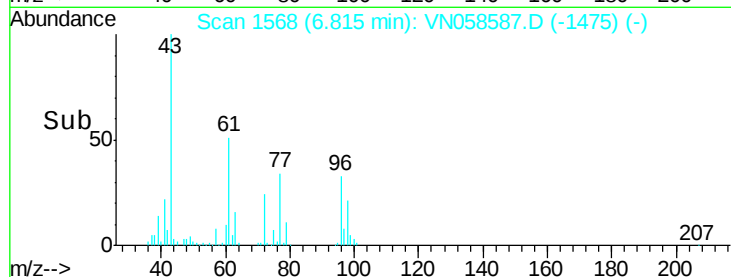
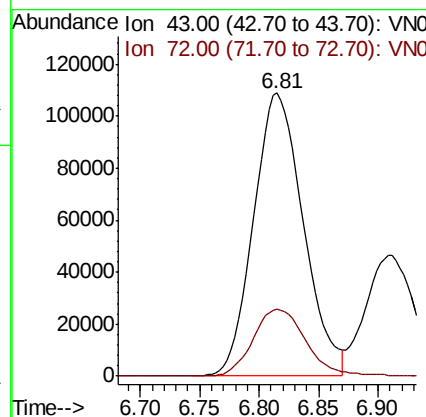
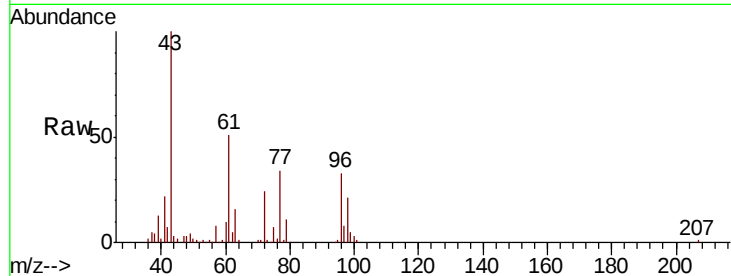
#25
2-Butanone
Concen: 106.831 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD02

Tot Ion: 43 Resp: 313859
Ion Ratio Lower Upper
43 100
72 23.7 20.2 30.4

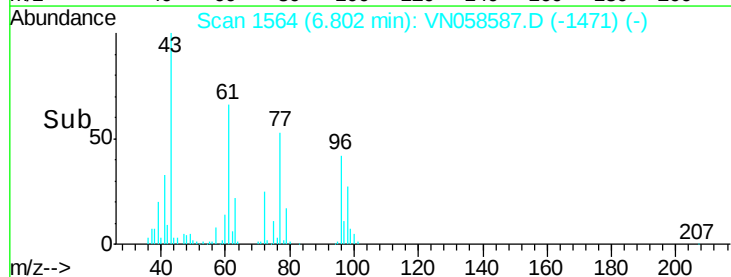
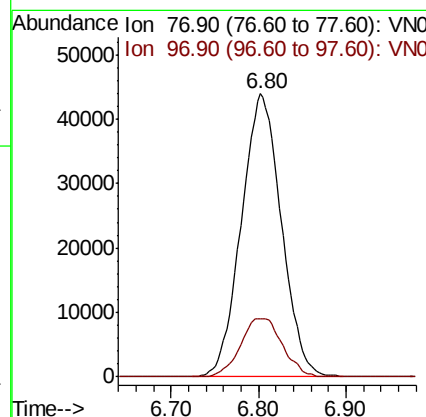
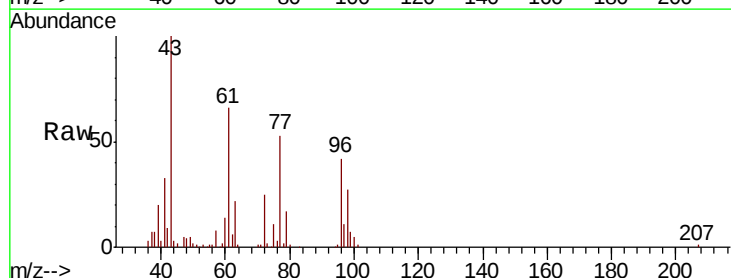
Manual Integrations
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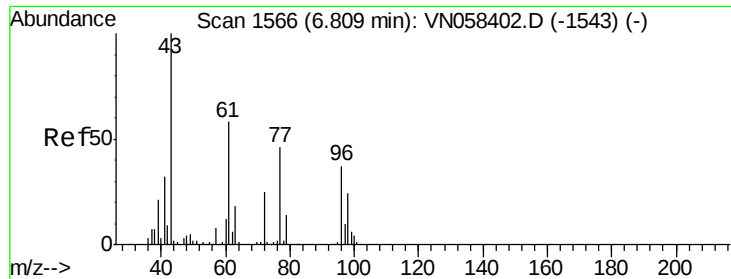
MMDadoda
10/9/2019 10:50:47 AM



#26
2,2-Dichloropropane
Concen: 18.962 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion: 77 Resp: 139225
Ion Ratio Lower Upper
77 100
97 21.6 10.9 32.6





#27

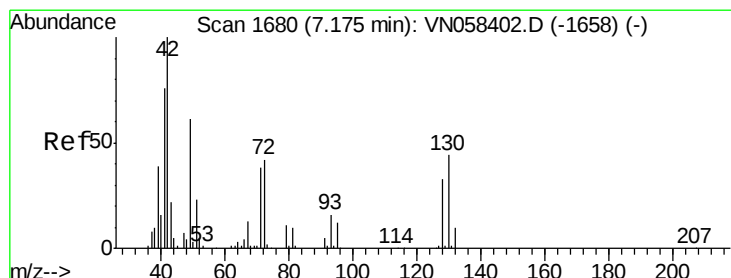
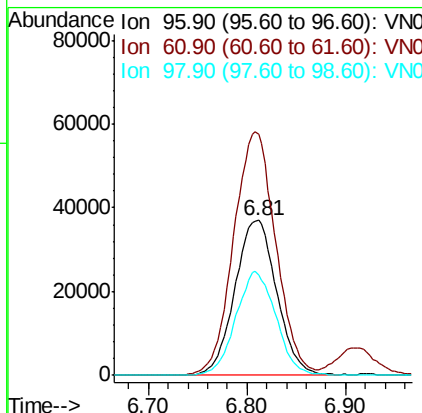
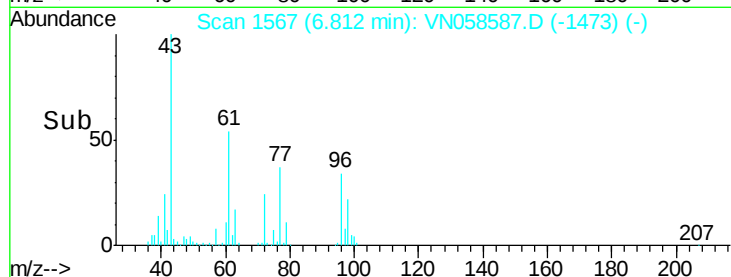
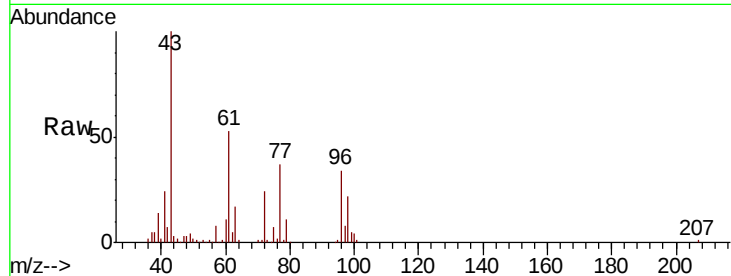
cis-1,2-Dichloroethene
Concen: 20.692 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	157.7	0.0	318.8	
98	64.2	0.0	129.8	

Manual Integrations
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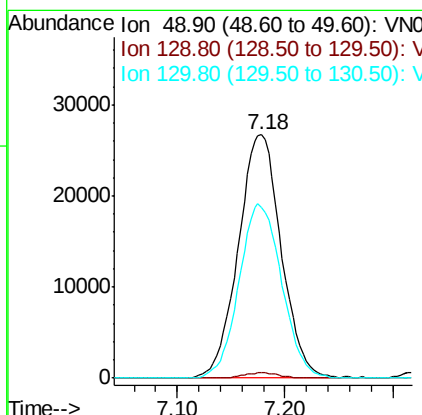
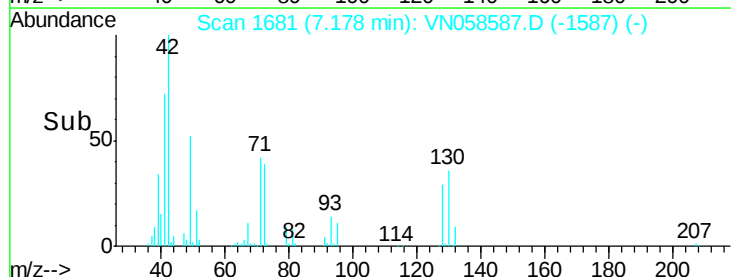
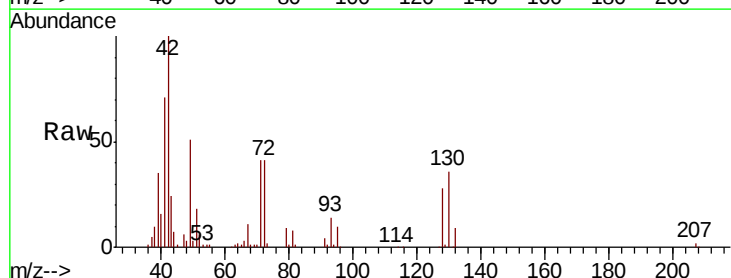
MMDadoda
10/9/2019 10:50:47 AM

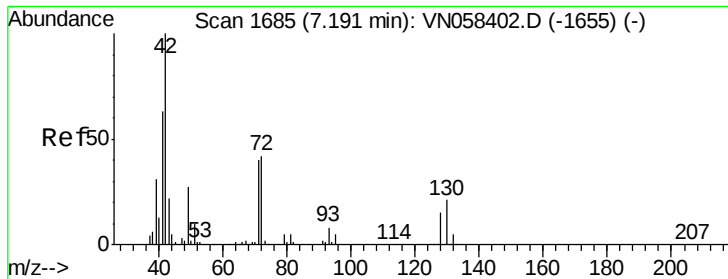


#28

Bromochloromethane
Concen: 20.672 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.4	
130	71.2	56.3	84.5	





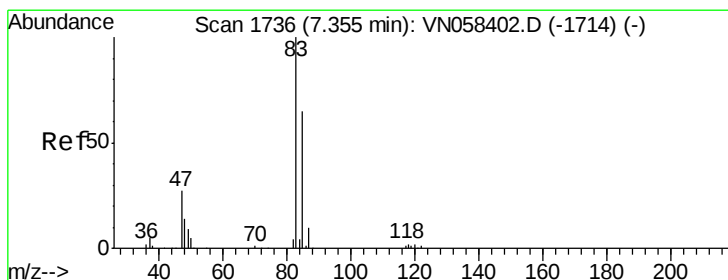
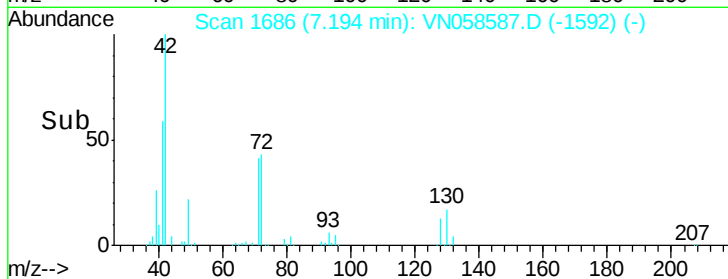
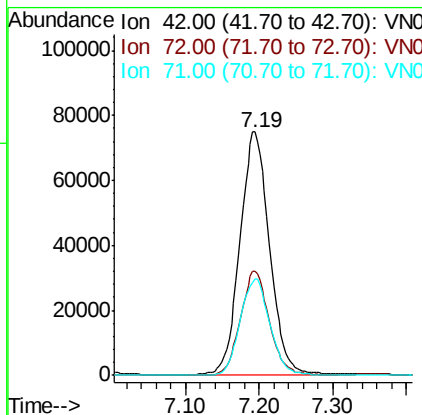
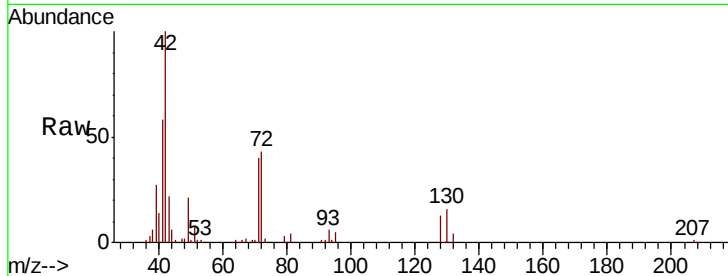
#29
Tetrahydrofuran
Concen: 113.287 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.7	50.5
71	39.5	31.8	47.6

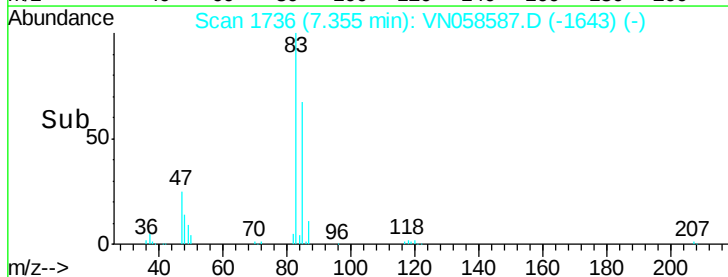
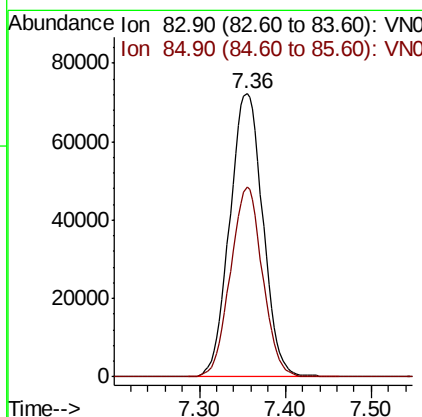
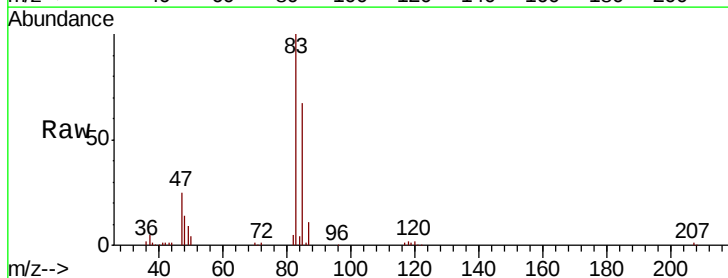
Manual Integrations
APPROVED

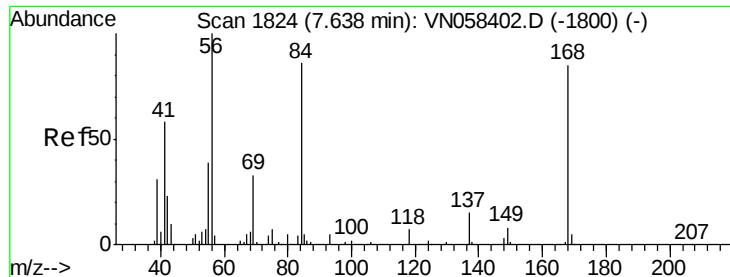
MMDadoda
10/9/2019 10:50:47 AM



#30
Chloroform
Concen: 21.369 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.0	78.0





#31

Cyclohexane

Concen: 19.209 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

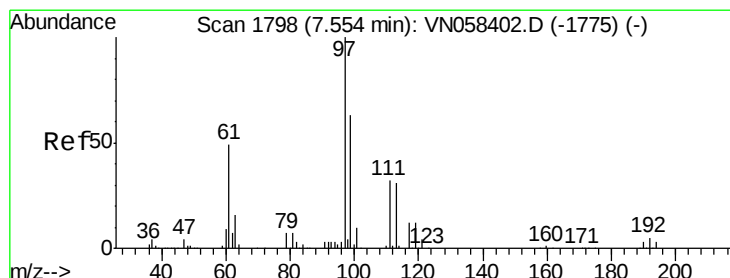
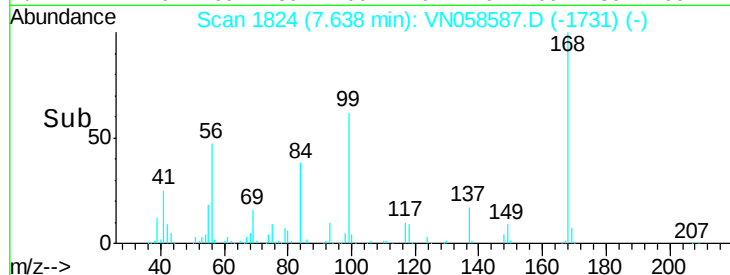
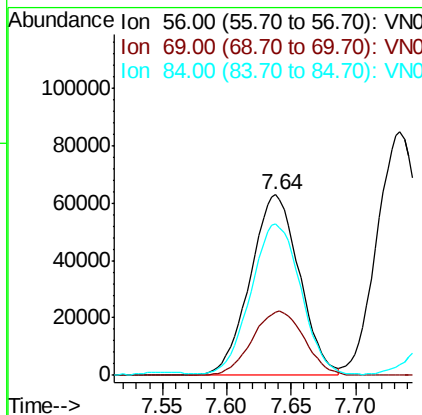
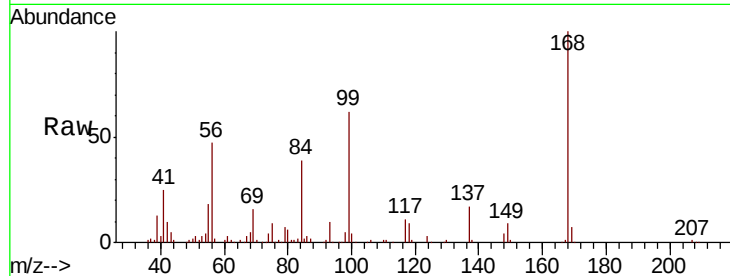
ClientSampleId :

VN1007WBSD02

Tot Ion:	56	Resp:	166875
Ion Ratio	Lower	Upper	
56	100		
69	35.1	26.2	39.4
84	82.8	67.6	101.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.000 ug/l

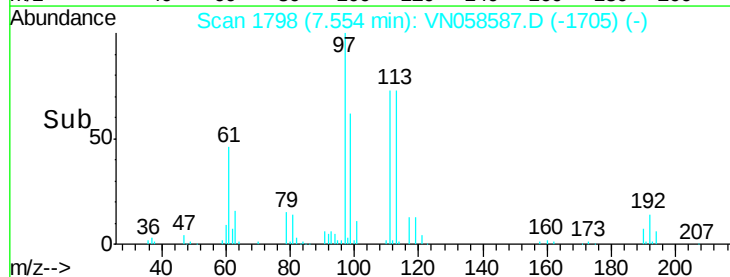
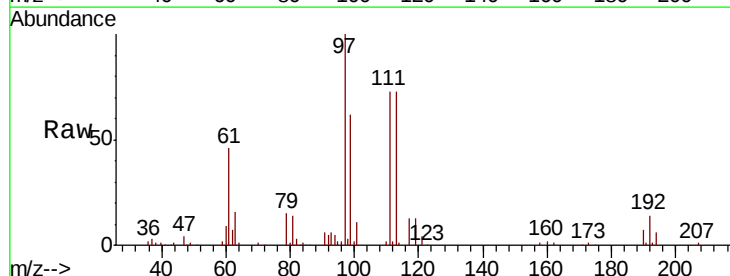
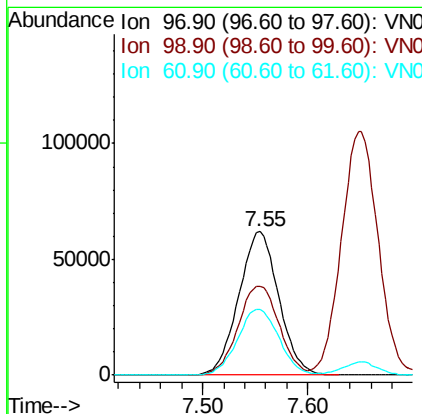
RT: 7.55 min Scan# 1798

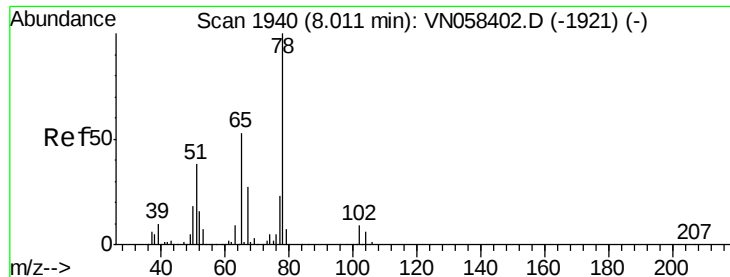
Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Tgt Ion:	97	Resp:	163496
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.1	76.7
61	47.4	39.2	58.8





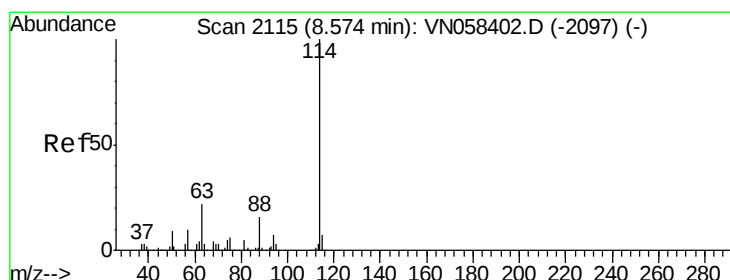
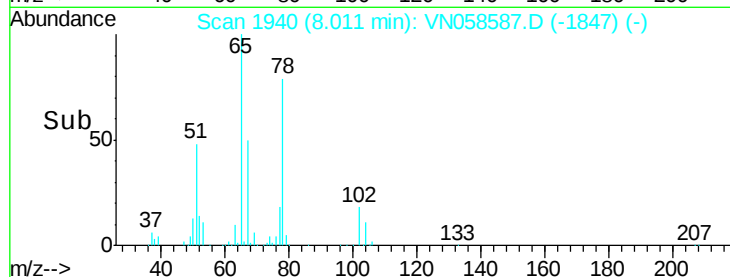
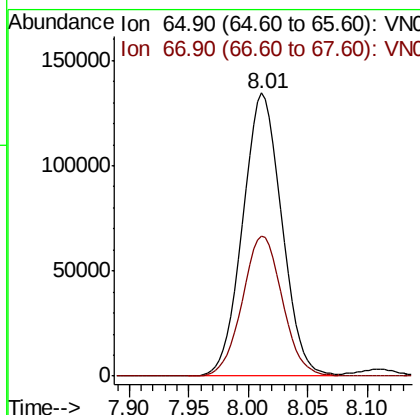
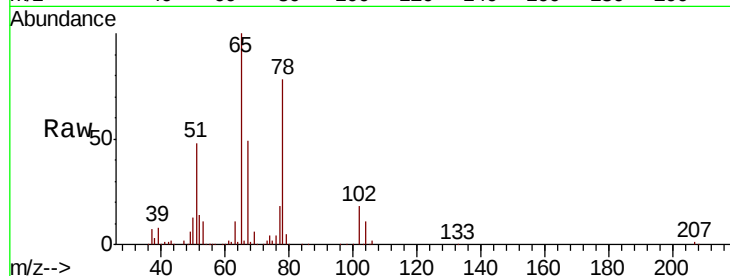
#33
 1,2-Dichloroethane-d4
 Concen: 48.813 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.7	0.0	102.4	

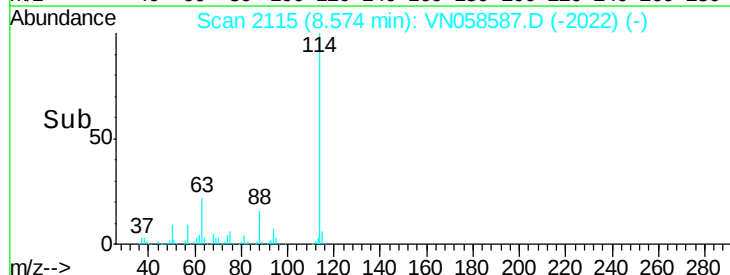
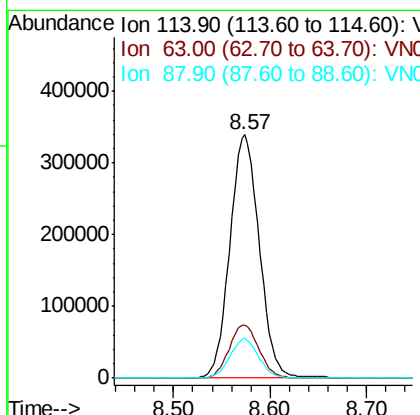
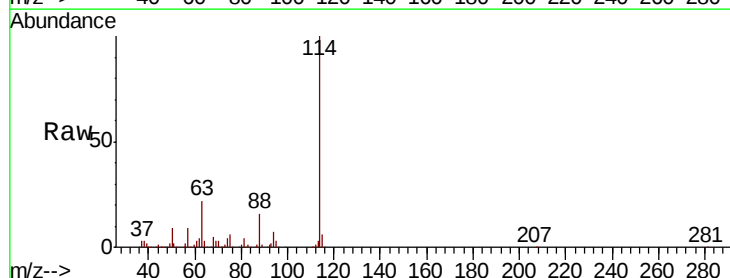
Manual Integrations
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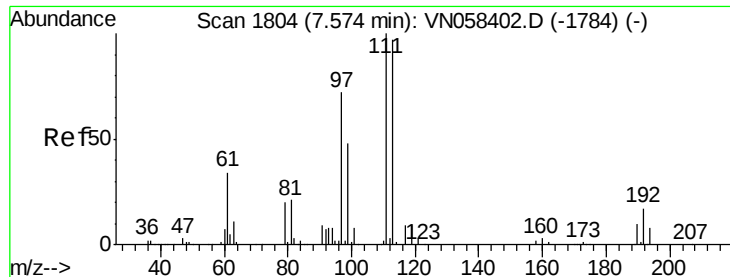
MMDadoda
 10/9/2019 10:50:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.9	0.0	45.0	
88	16.2	0.0	32.2	





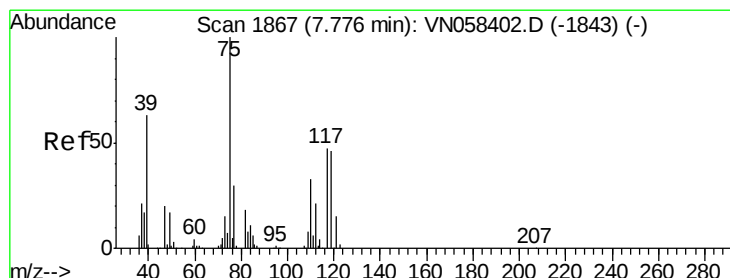
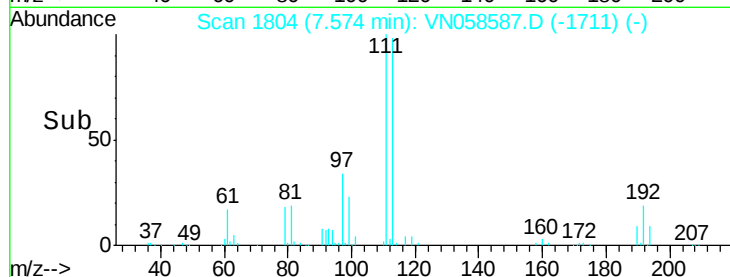
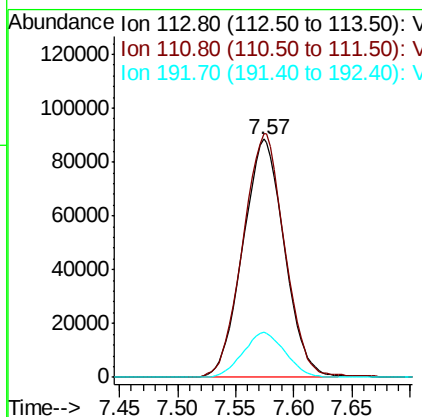
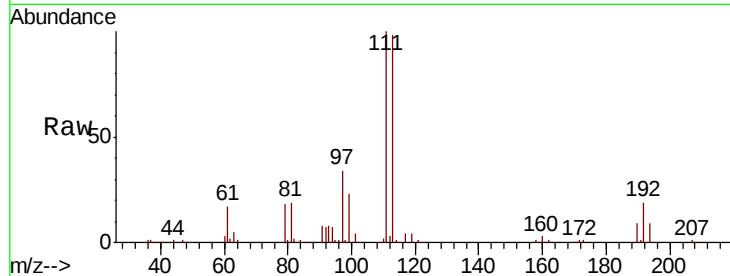
#35
 Dibromofluoromethane
 Concen: 50.114 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	220162		
111	103.5	83.4	125.2	
192	19.3	14.9	22.3	

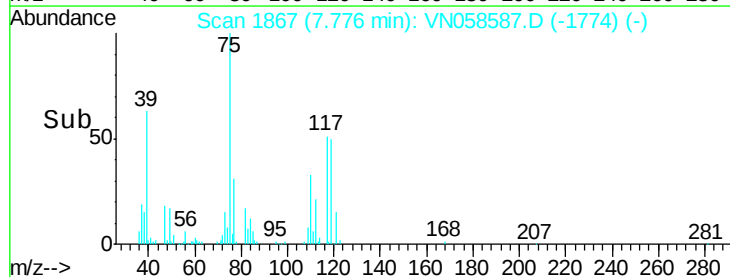
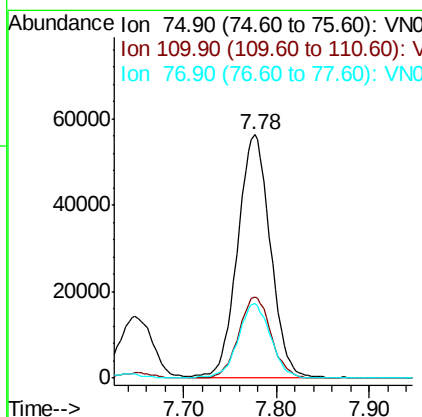
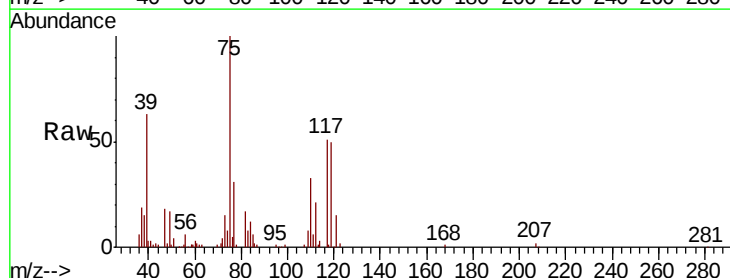
Manual Integrations
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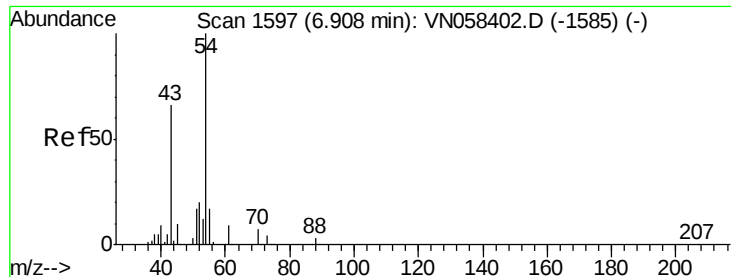
MMDadoda
 10/9/2019 10:50:47 AM



#36
 1,1-Dichloropropene
 Concen: 20.068 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	137547		
110	32.9	16.4	49.2	
77	30.6	24.3	36.5	





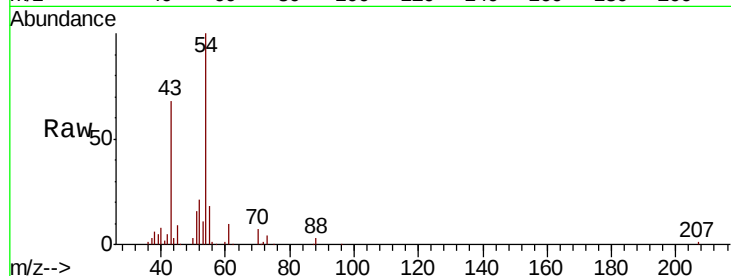
#37
Ethyl Acetate
Concen: 23.024 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.5	15.7
70	9.9	7.8	11.6

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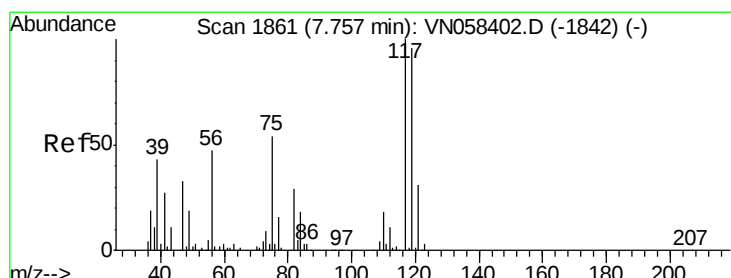
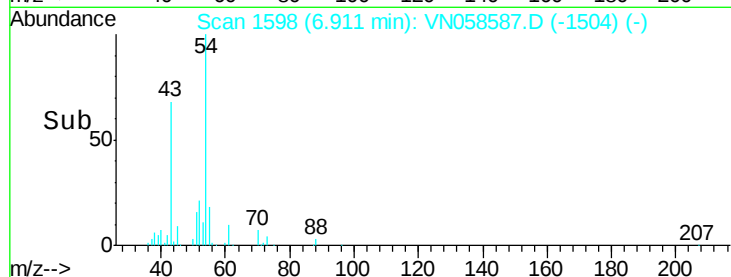
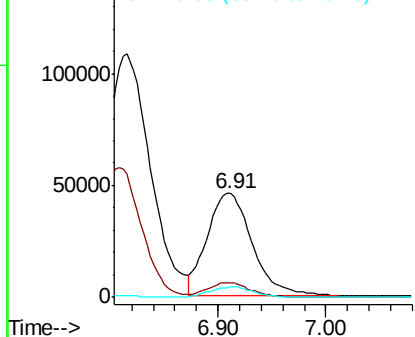


Abundance

Ion 43.00 (42.70 to 43.70): VN058587.D (-1504) (-)

Ion 60.90 (60.60 to 61.60): VN058587.D (-1504) (-)

Ion 70.00 (69.70 to 70.70): VN058587.D (-1504) (-)



#38
Carbon Tetrachloride
Concen: 22.498 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

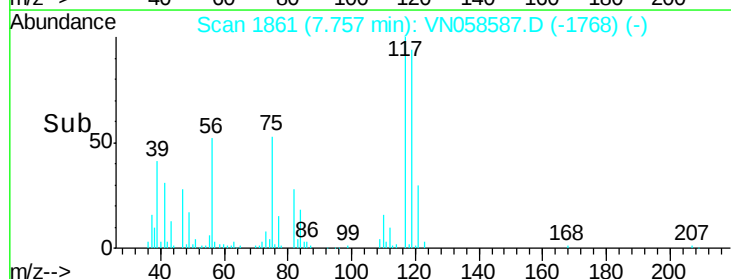
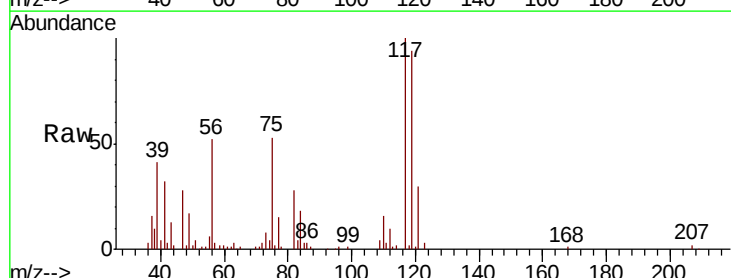
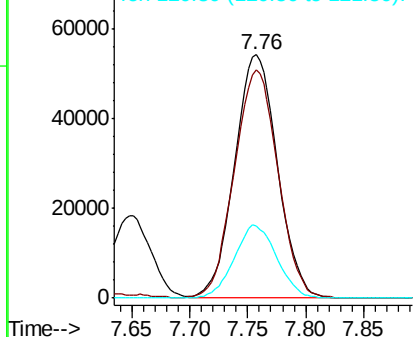
Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.6	115.0
121	29.8	24.7	37.1

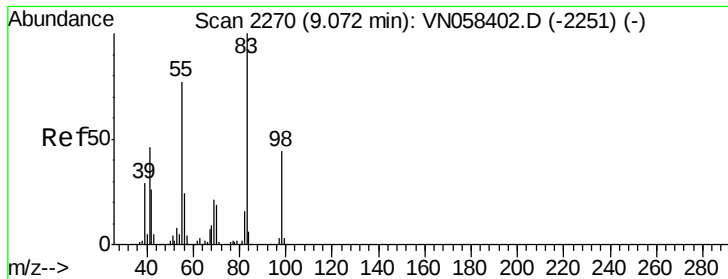
Abundance

Ion 116.80 (116.50 to 117.50): VN058587.D (-1768) (-)

Ion 118.80 (118.50 to 119.50): VN058587.D (-1768) (-)

Ion 120.80 (120.50 to 121.50): VN058587.D (-1768) (-)





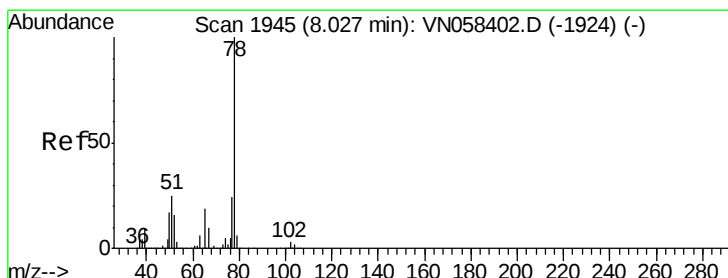
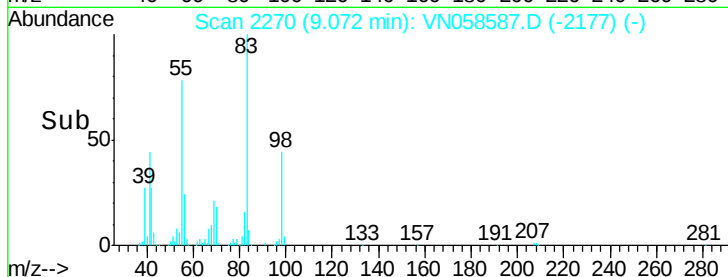
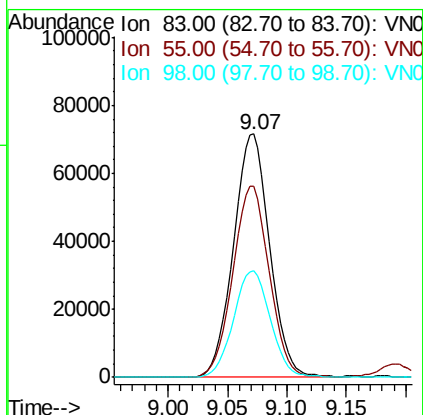
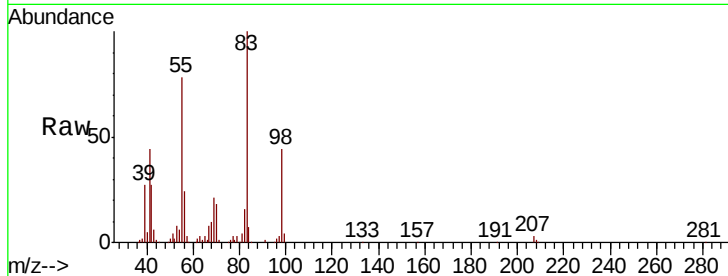
#39
Methvlcvclohexane
Concen: 18.897 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.5	61.8	92.6
98	43.8	35.4	53.0

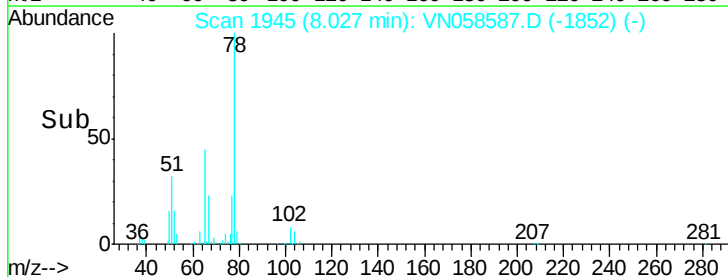
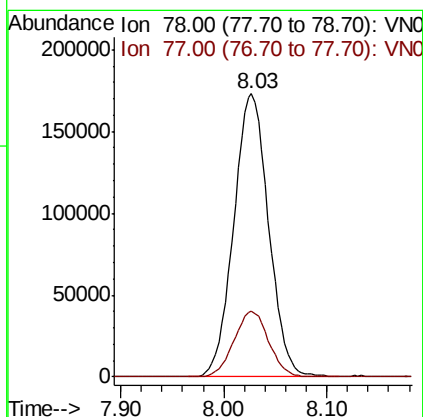
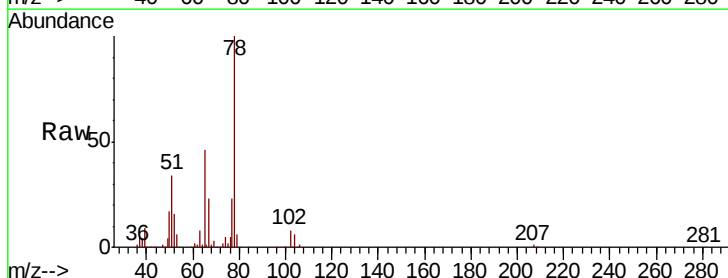
Manual Integrations
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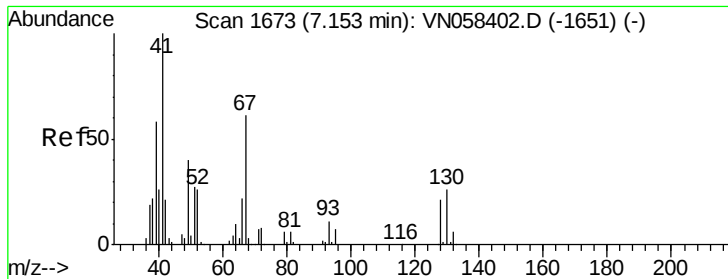
MMDadoda
10/9/2019 10:50:47 AM



#40
Benzene
Concen: 20.682 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3





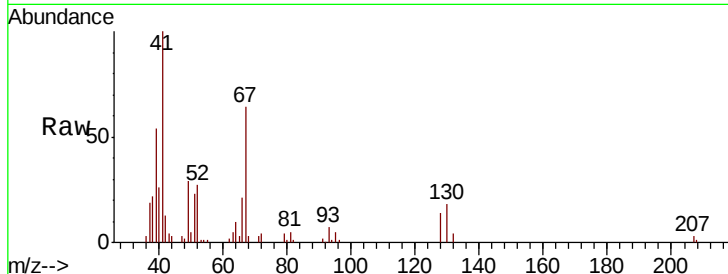
#41
Methacrylonitrile
Concen: 24.121 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD02

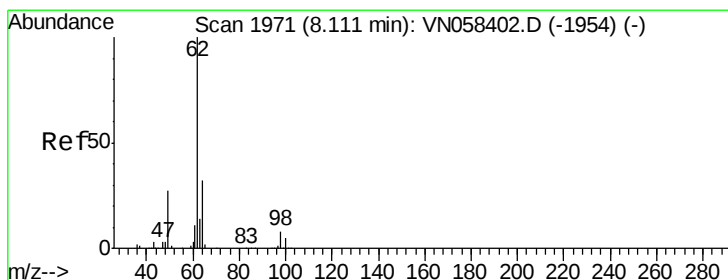
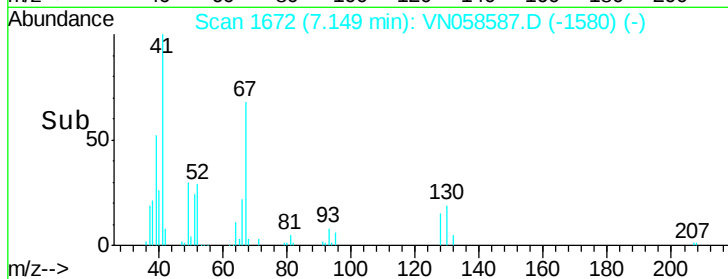
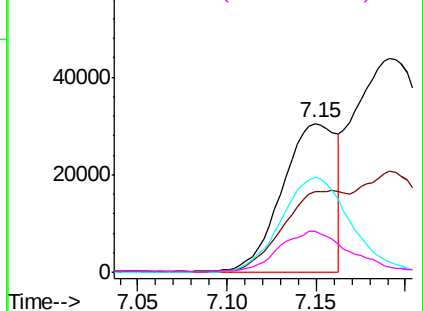
Tot Ion	Ratio	Lower	Upper
41	100		
39	64.9	50.2	75.4
67	81.8	70.2	105.4
52	36.9	31.4	47.0

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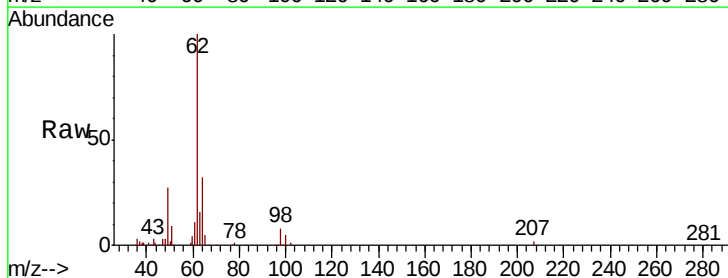


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

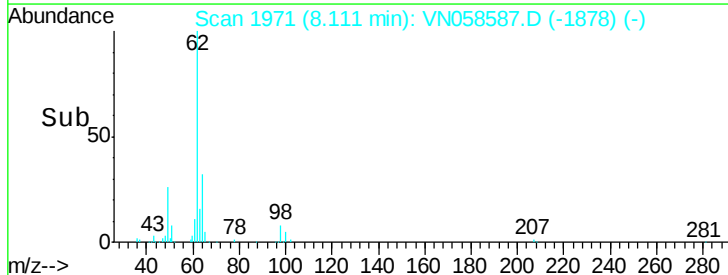
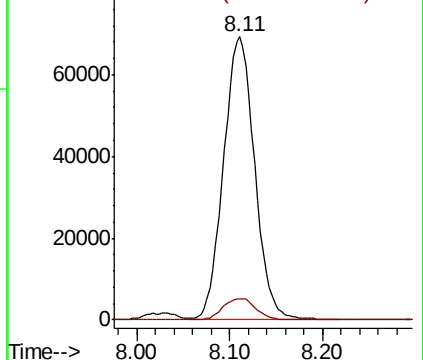


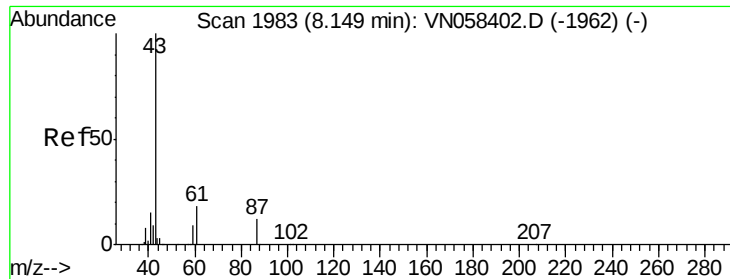
#42
1,2-Dichloroethane
Concen: 21.096 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

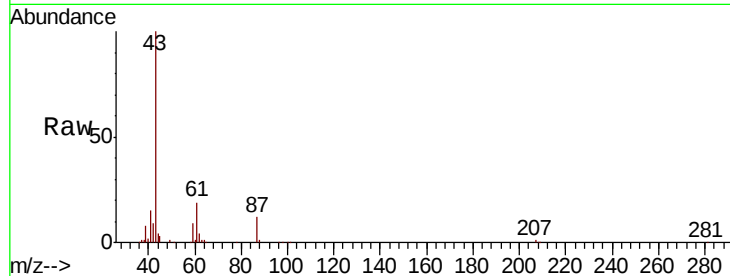
Isopropyl Acetate
 Concen: 21.083 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD02

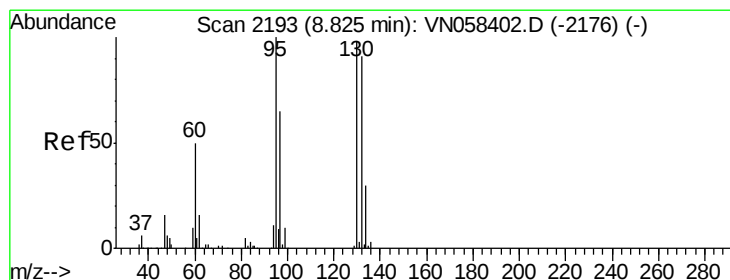
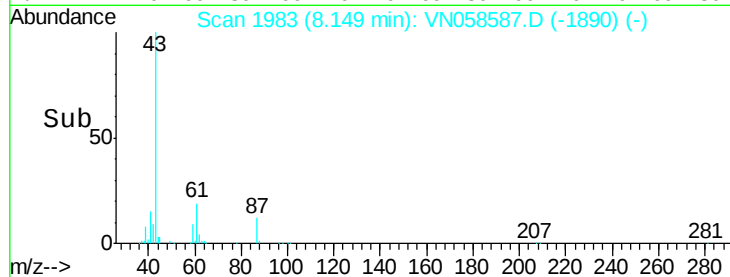
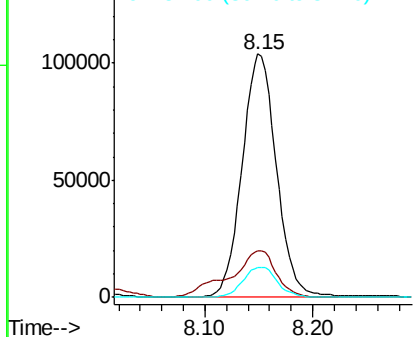
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.0	14.8	22.2#
87	12.5	9.7	14.5

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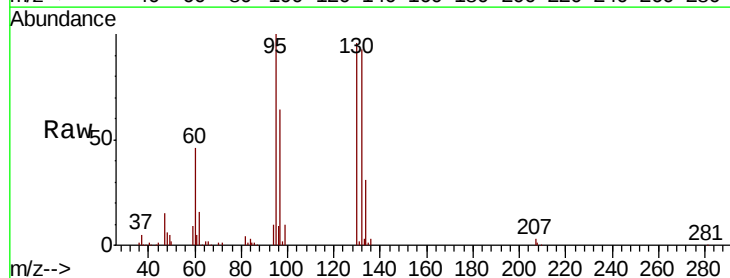
Abundance Ion 43.00 (42.70 to 43.70): VN058587.D (-1890) (-)
 Ion 61.00 (60.70 to 61.70): VN058587.D (-1890) (-)
 Ion 87.00 (86.70 to 87.70): VN058587.D (-1890) (-)



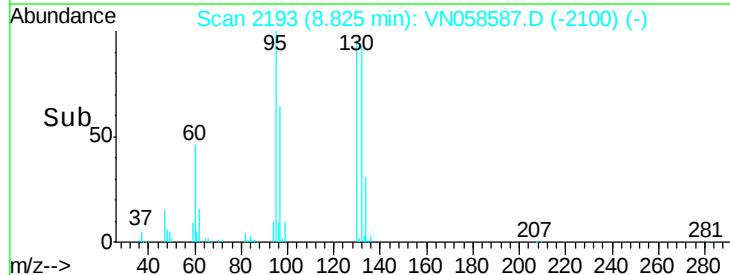
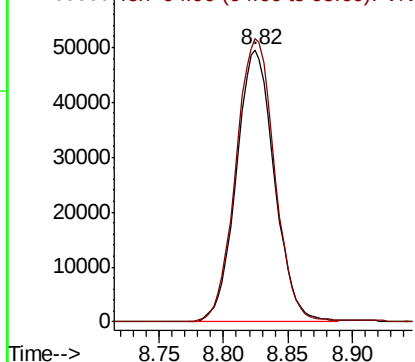
#44

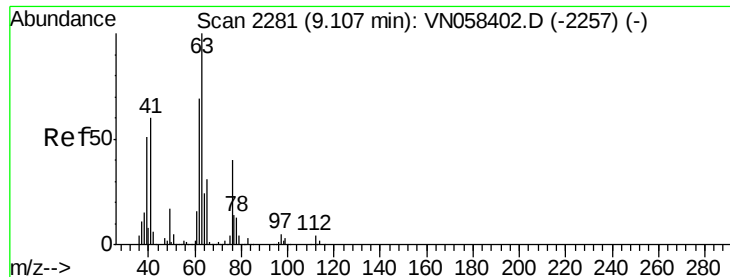
Trichloroethene
 Concen: 20.952 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	204.2



Abundance Ion 129.80 (129.50 to 130.50): VN058587.D (-2100) (-)
 Ion 94.90 (94.60 to 95.60): VN058587.D (-2100) (-)





#45

1,2-Dichloropropane

Concen: 22.043 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD02

Tot Ion: 63 Resp: 116472

Ion Ratio Lower Upper

63 100

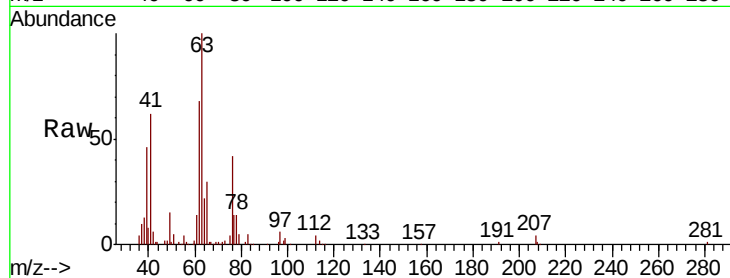
65 29.6 25.0 37.4

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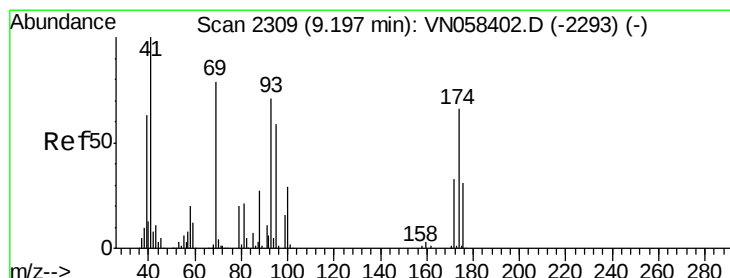
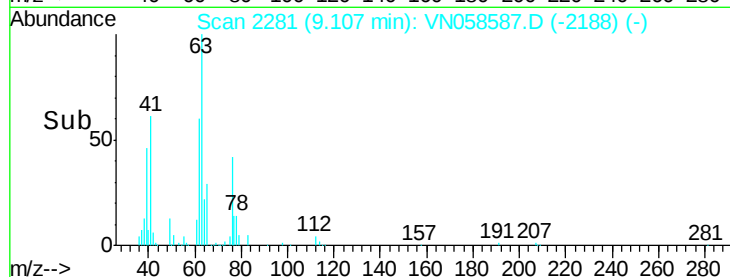
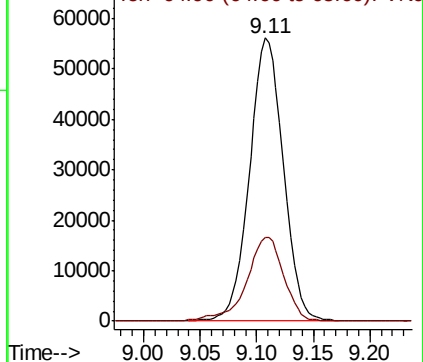
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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 21.111 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

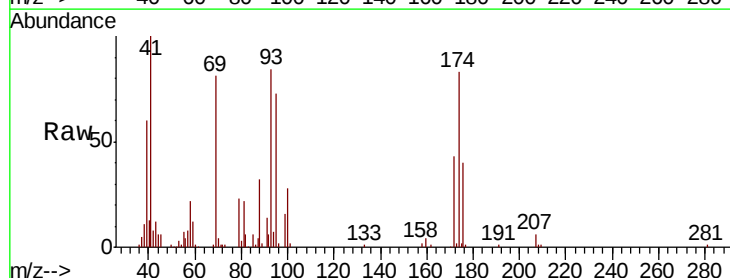
Tgt Ion: 93 Resp: 70642

Ion Ratio Lower Upper

93 100

95 84.6 67.0 100.4

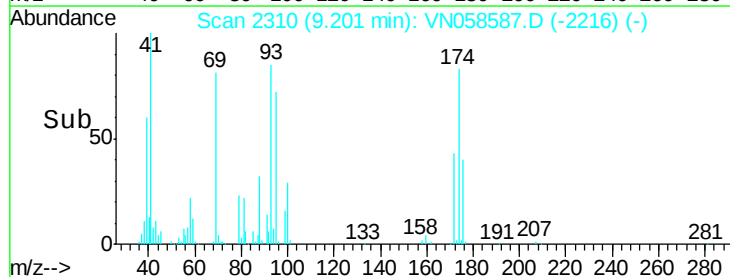
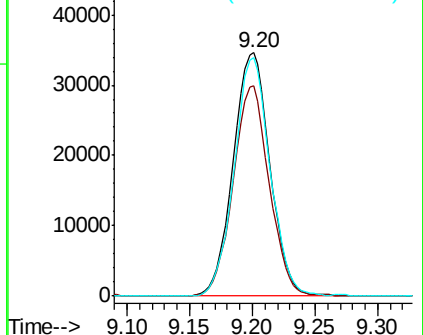
174 95.4 74.2 111.2

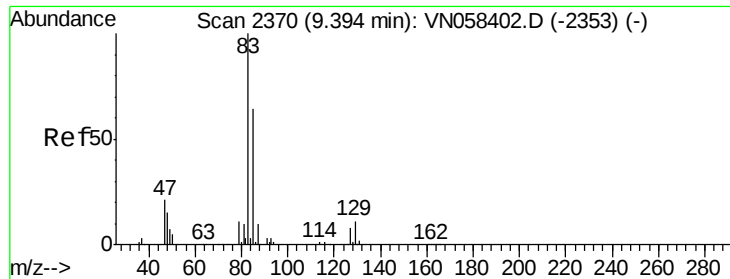


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 23.141 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

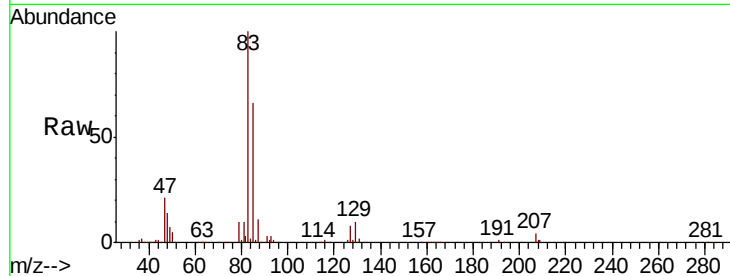
ClientSampleId :

VN1007WBSD02

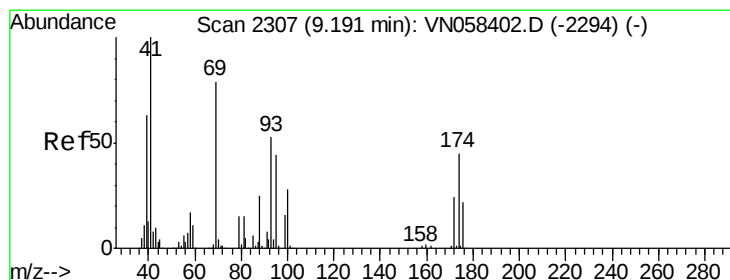
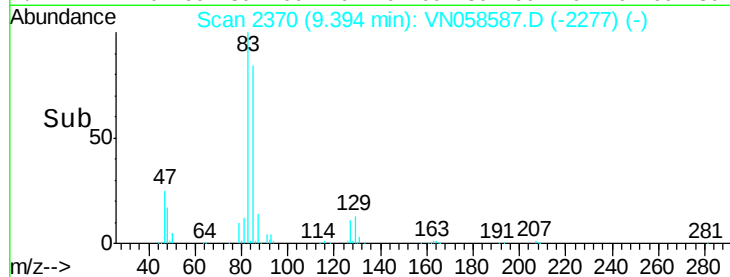
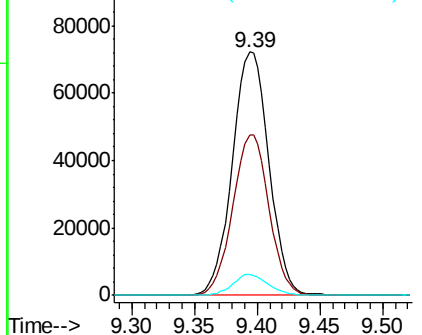
Tot Ion:	83	Resp:	146713
Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.2	76.8
127	8.5	6.3	9.5

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 21.340 ug/l

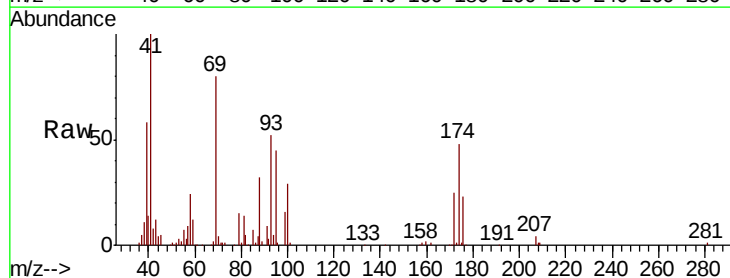
RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

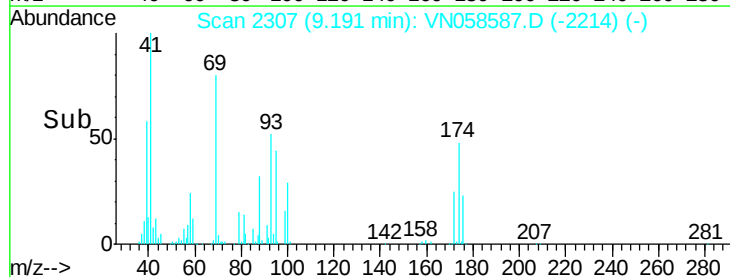
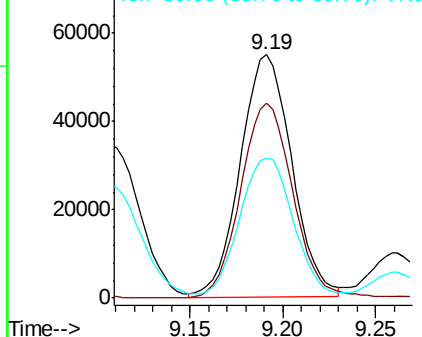
Lab File: VN058587.D

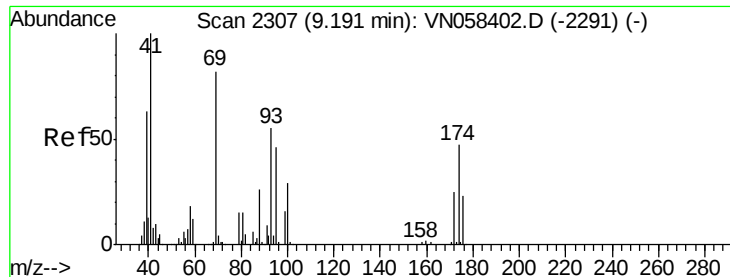
Acq: 7 Oct 2019 23:02

Tgt Ion:	41	Resp:	106183
Ion	Ratio	Lower	Upper
41	100		
69	82.1	64.7	97.1
39	60.4	52.9	79.3



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





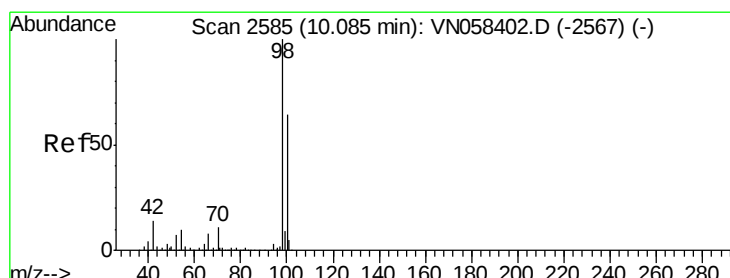
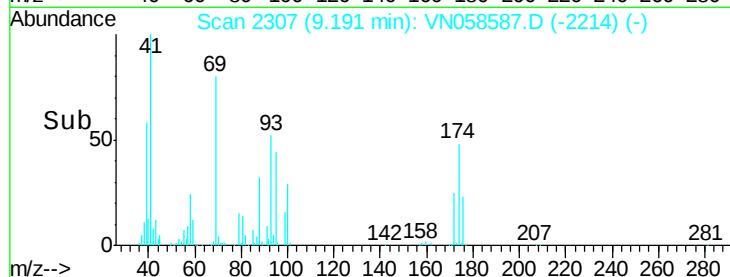
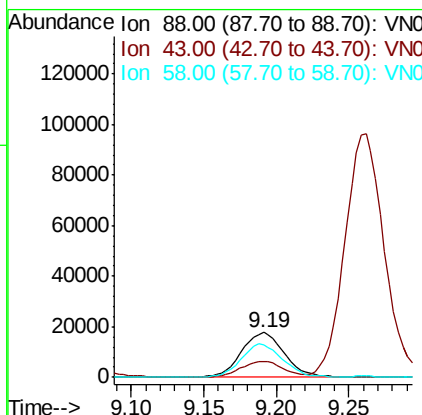
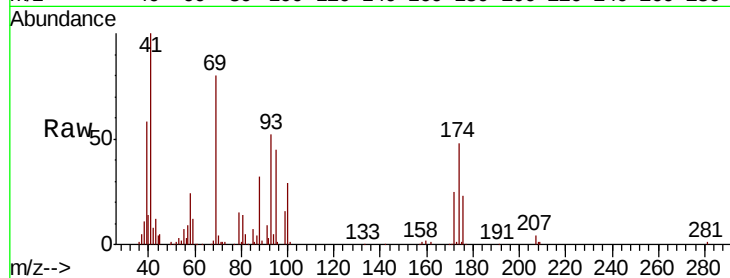
#49
1,4-Dioxane
Concen: 551.542 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	31.1	46.7
58	72.5	58.1	87.1

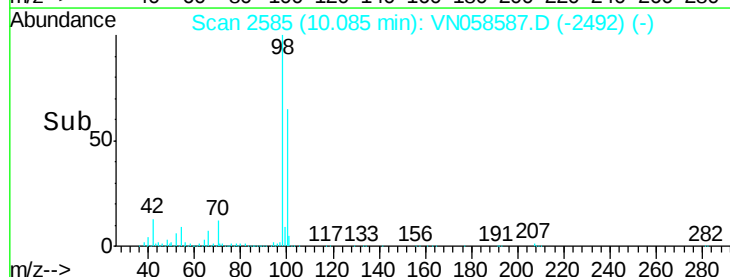
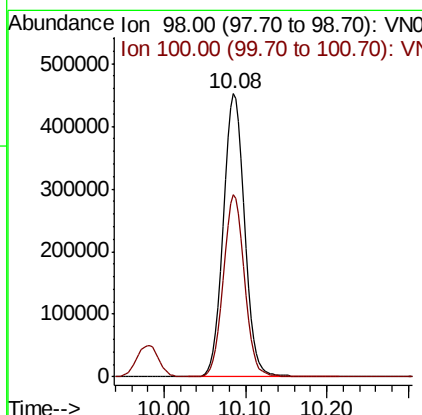
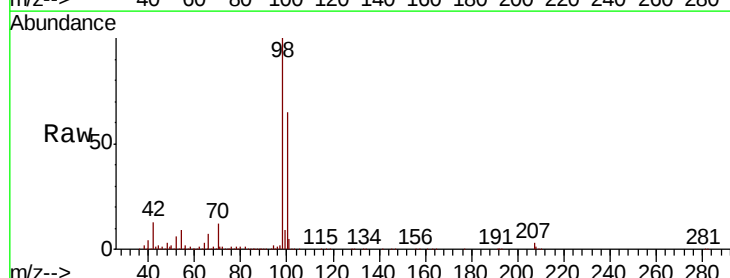
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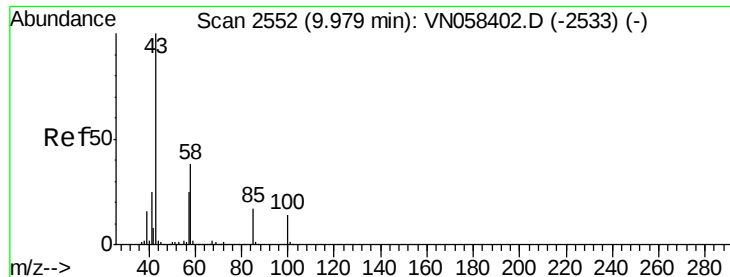
MMDadoda
10/9/2019 10:50:47 AM



#50
Toluene-d8
Concen: 48.816 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 120.107 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD02

Tot Ion: 43 Resp: 674175

Ion Ratio Lower Upper

43 100

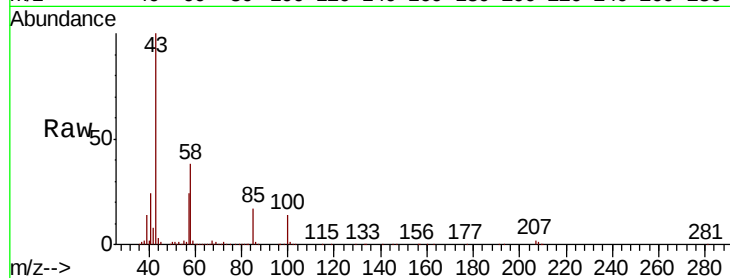
58 38.1 30.2 45.2

Manual Integrations

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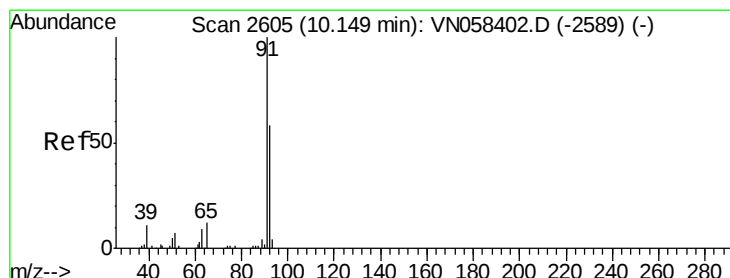
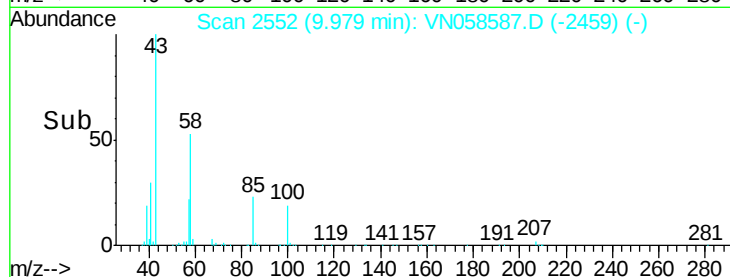
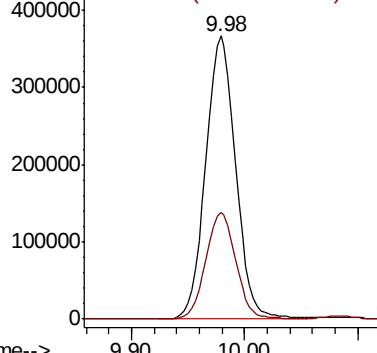
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.560 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058587.D

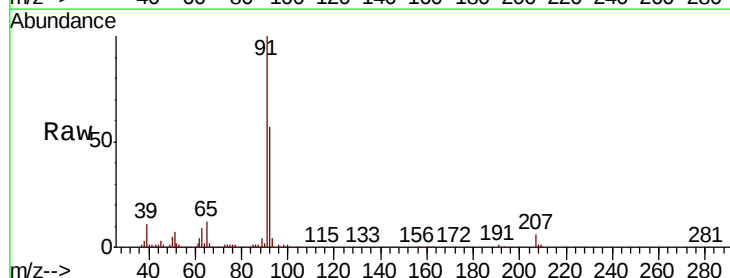
Acq: 7 Oct 2019 23:02

Tgt Ion: 92 Resp: 254959

Ion Ratio Lower Upper

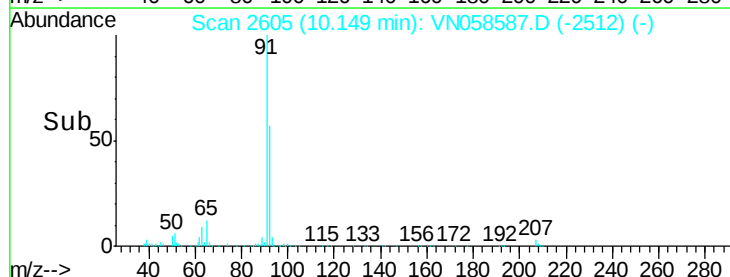
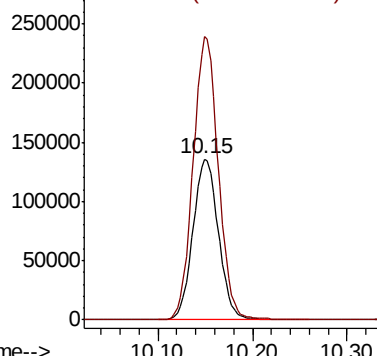
92 100

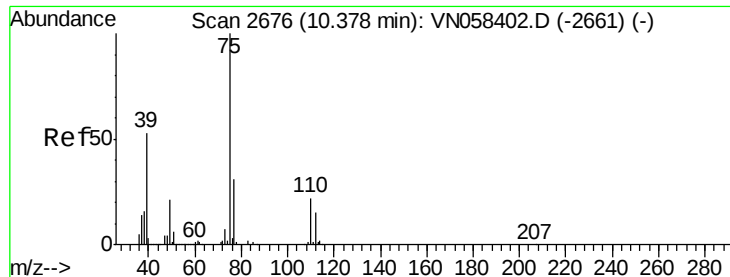
91 173.7 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





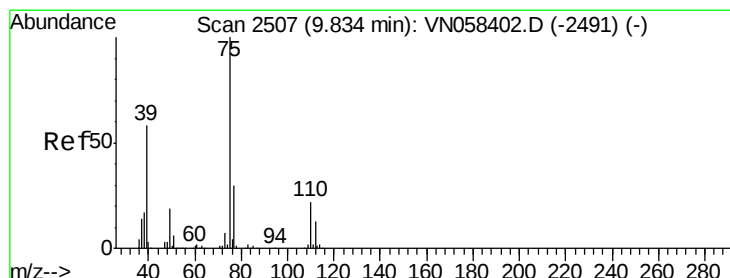
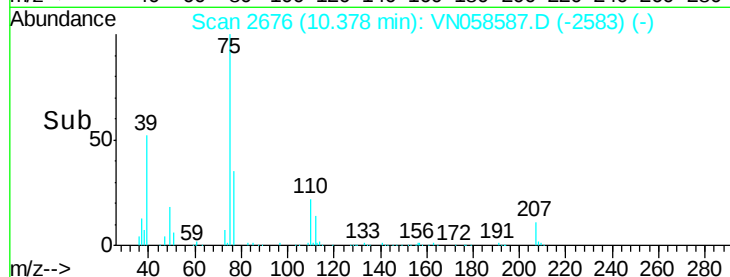
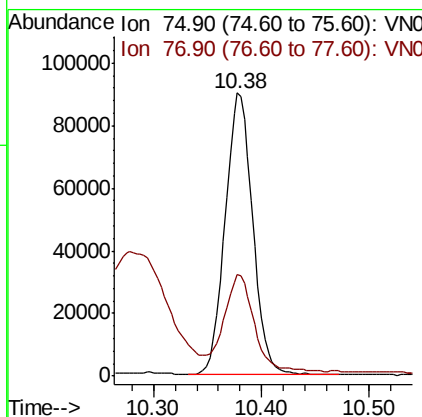
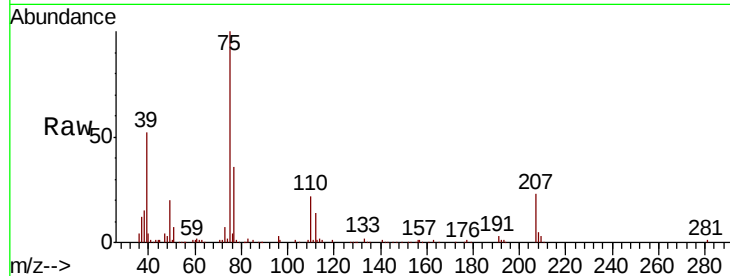
#53
t-1,3-Dichloropropene
Concen: 23.181 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampled :
VN1007WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.1	25.2	37.8

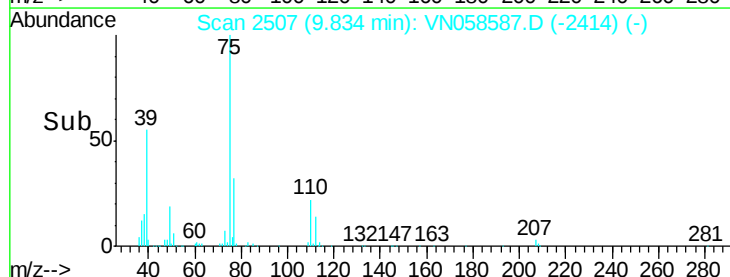
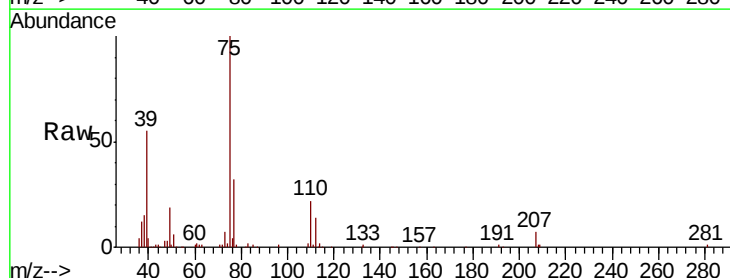
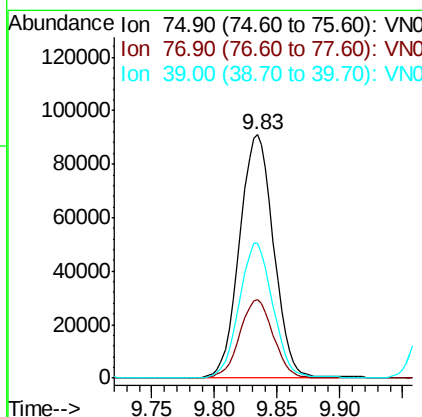
Manual Integrations
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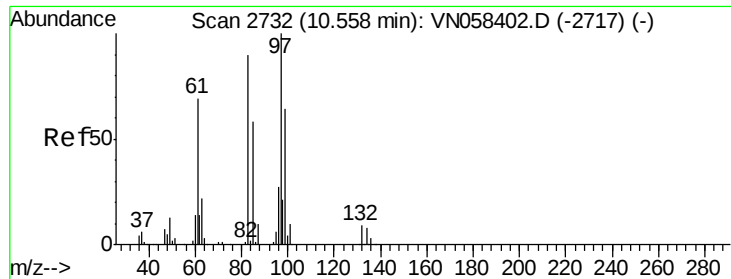
MMDadoda
10/9/2019 10:50:47 AM



#54
cis-1,3-Dichloropropene
Concen: 22.505 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.2	36.4
39	55.2	46.4	69.6





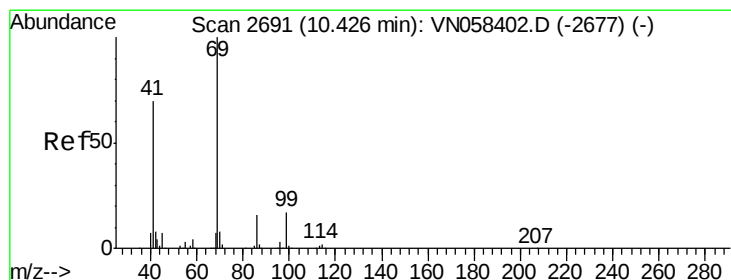
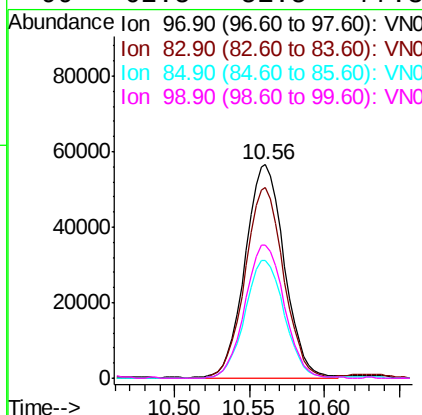
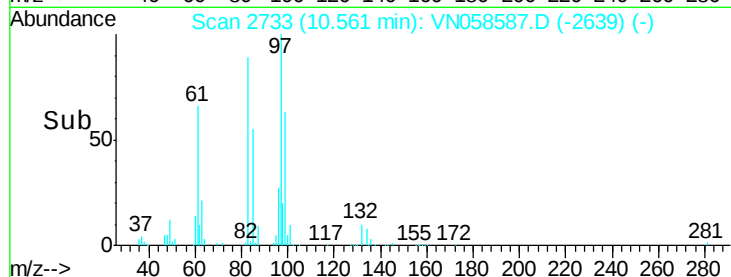
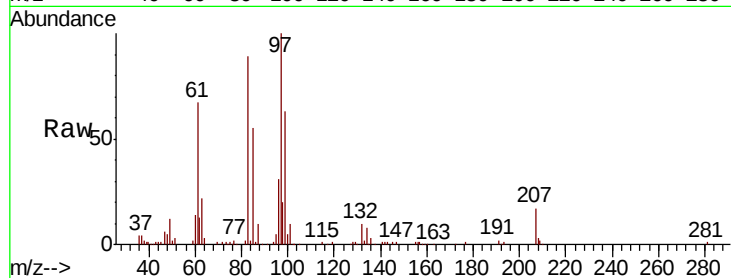
#55
 1,1,2-Trichloroethane
 Concen: 22.969 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD02

Tot Ion:	97	Resp:	103714
Ion	Ratio	Lower	Upper
97	100		
83	89.4	71.8	107.6
85	55.4	46.6	69.8
99	62.5	51.5	77.3

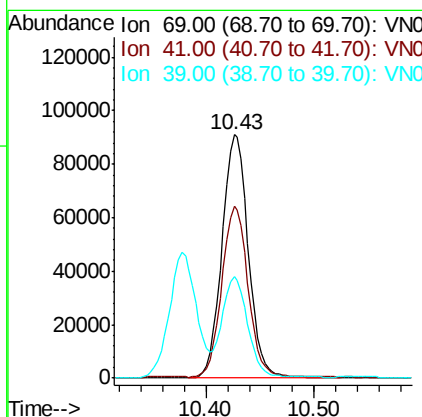
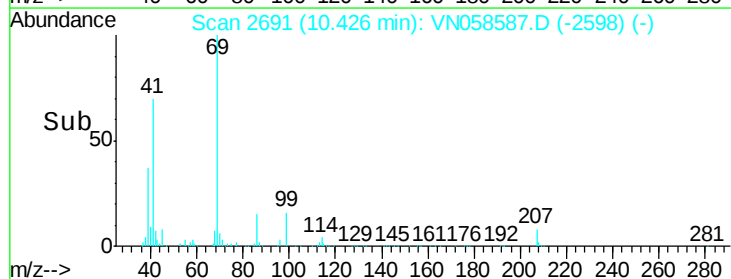
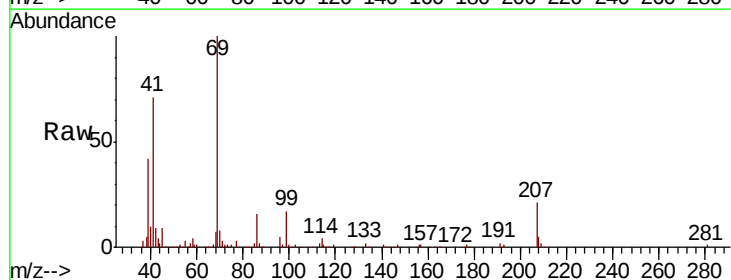
Manual Integrations
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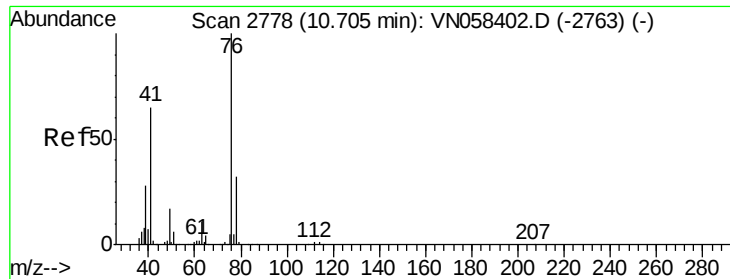
MMDadoda
 10/9/2019 10:50:47 AM



#56
 Ethyl methacrylate
 Concen: 22.577 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Tgt Ion:	69	Resp:	154689
Ion	Ratio	Lower	Upper
69	100		
41	69.7	56.3	84.5
39	40.6	35.8	53.6





#57

1,3-Dichloropropane

Concen: 22.535 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD02

Tot Ion: 76 Resp: 181500

Ion Ratio Lower Upper

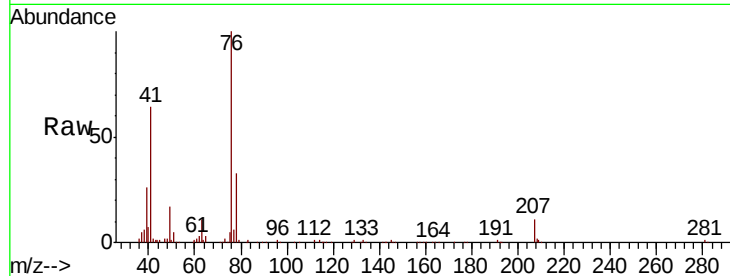
76 100

78 32.0 25.7 38.5

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

120000

100000

80000

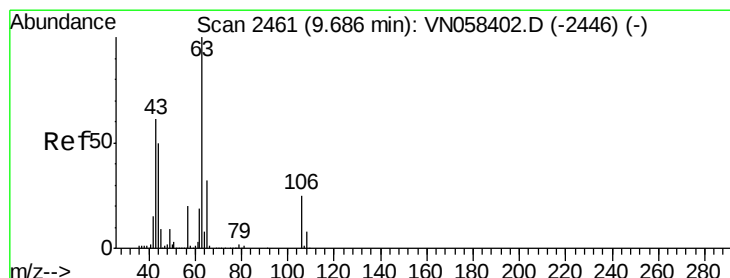
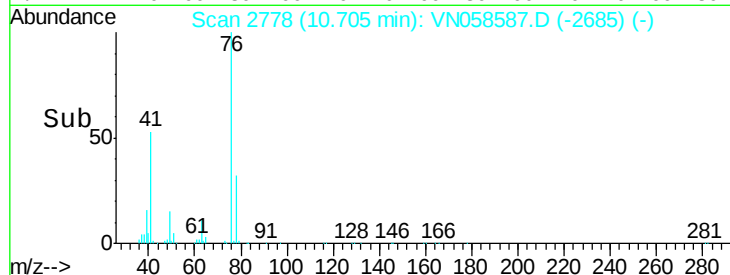
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 132.339 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058587.D

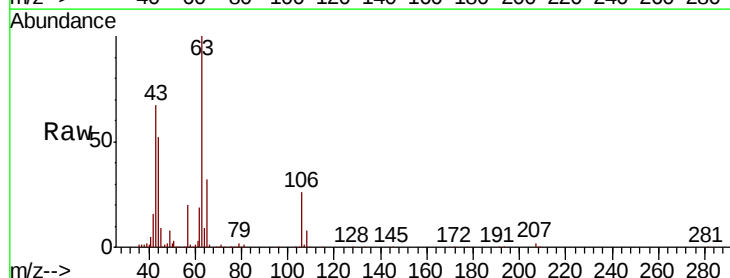
Acq: 7 Oct 2019 23:02

Tgt Ion: 63 Resp: 361561

Ion Ratio Lower Upper

63 100

106 25.5 20.3 30.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

200000

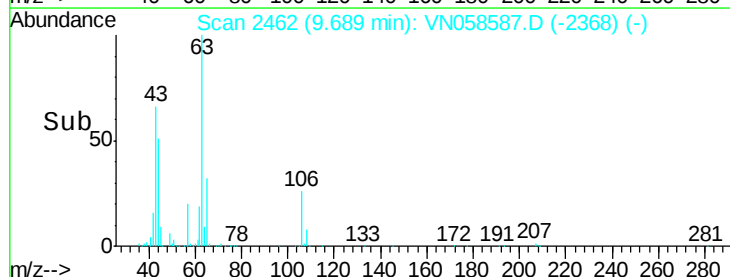
150000

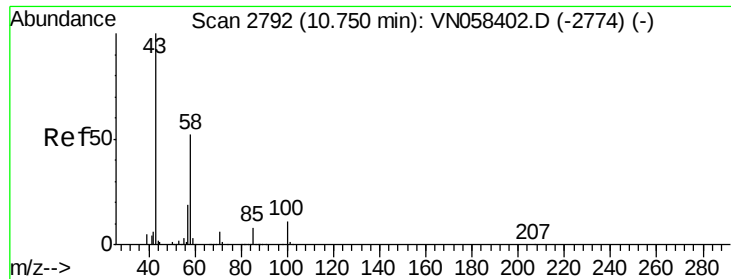
100000

50000

0

Time-->





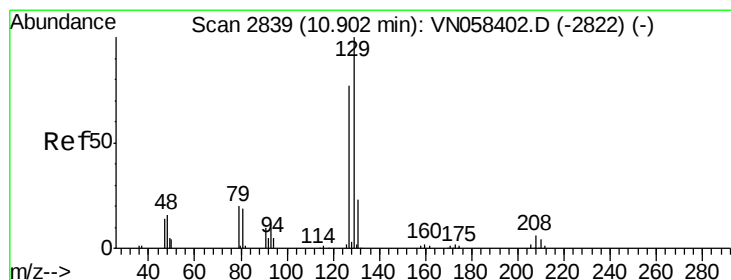
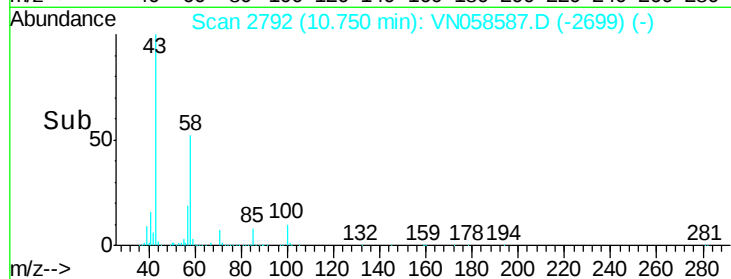
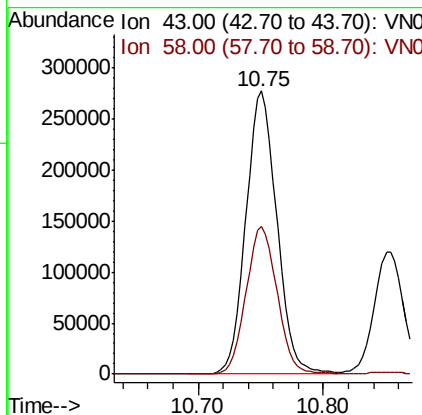
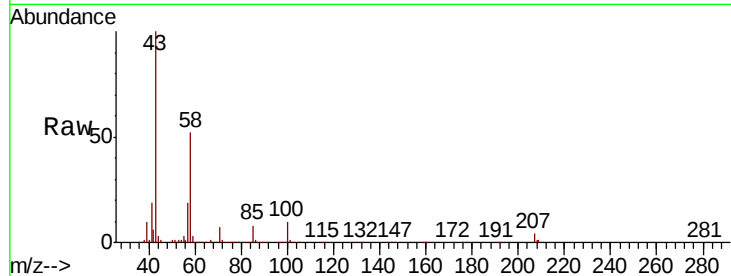
#59
2-Hexanone
Concen: 116.092 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD02

Tot Ion: 43 Resp: 474491
Ion Ratio Lower Upper
43 100
58 52.9 25.8 77.3

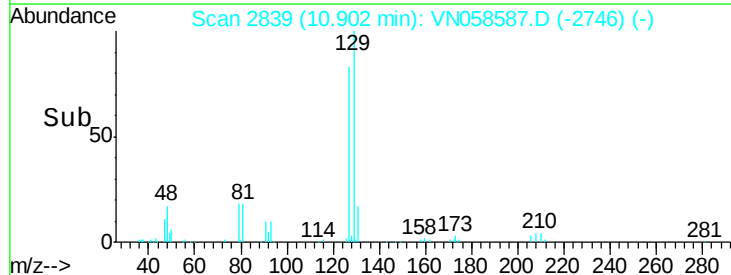
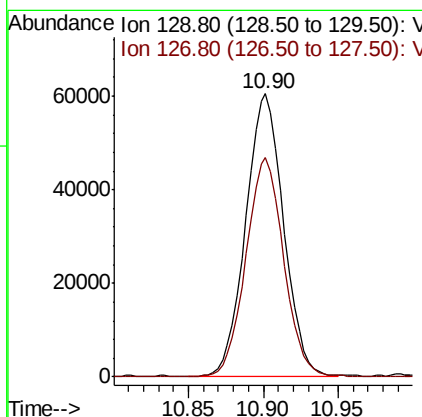
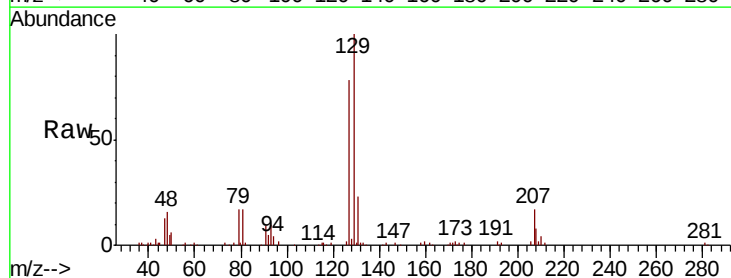
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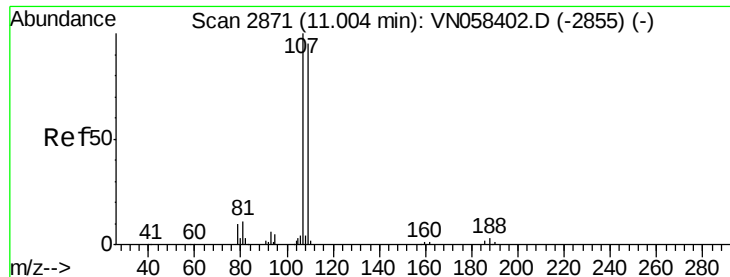
MMDadoda
10/9/2019 10:50:47 AM



#60
Dibromochloromethane
Concen: 22.356 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion: 129 Resp: 105965
Ion Ratio Lower Upper
129 100
127 77.9 38.3 114.8





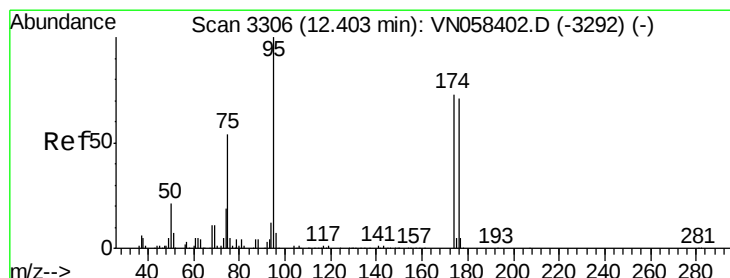
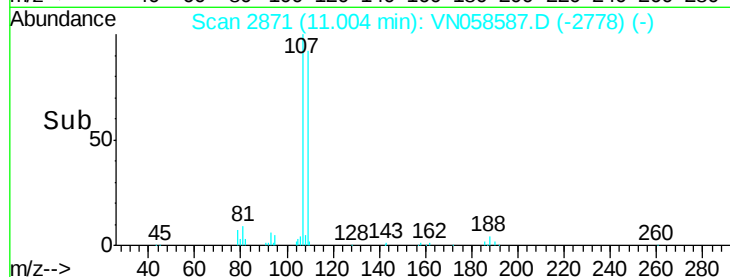
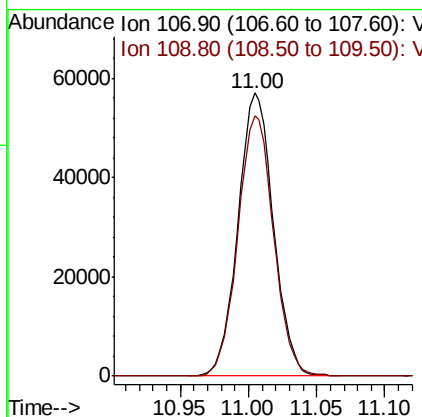
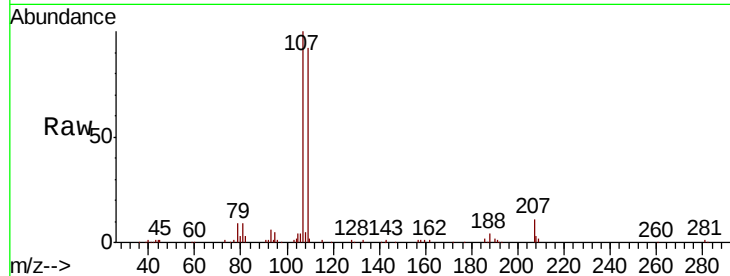
#61
 1,2-Dibromoethane
 Concen: 22.209 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	102466		
109	93.0	75.3	112.9	

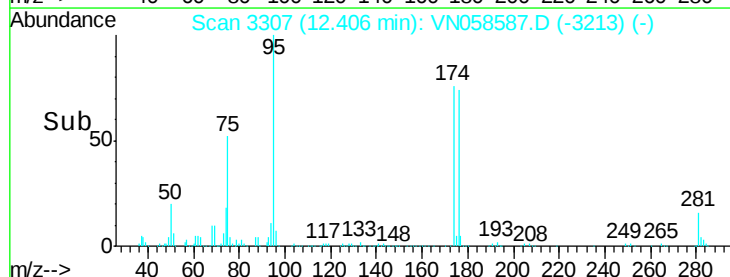
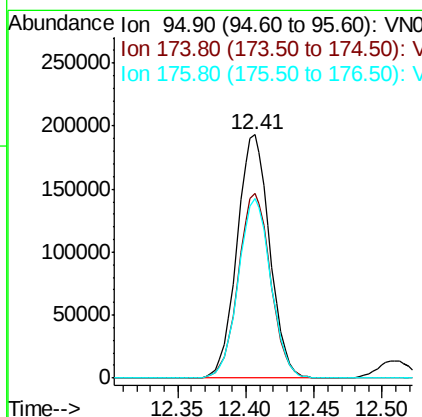
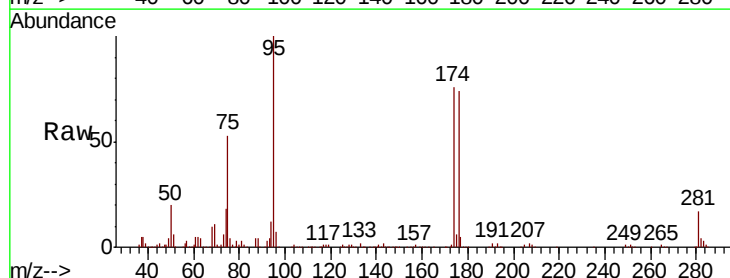
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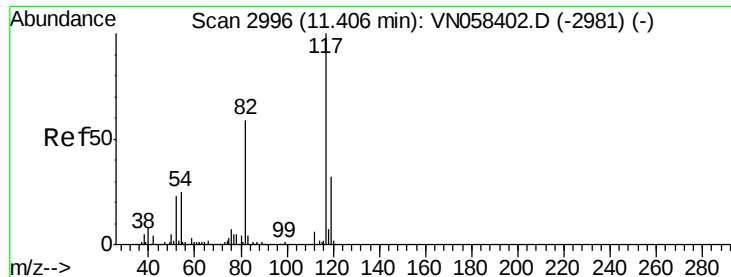
MMDadoda
 10/9/2019 10:50:47 AM



#62
 4-Bromofluorobenzene
 Concen: 51.539 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	320718		
174	75.3	0.0	150.6	
176	73.6	0.0	146.2	





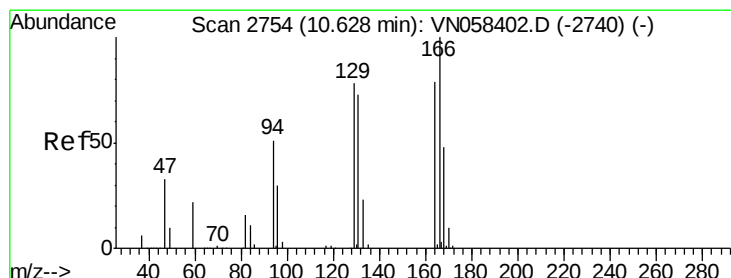
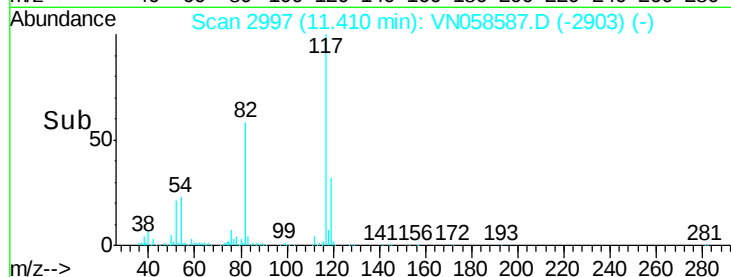
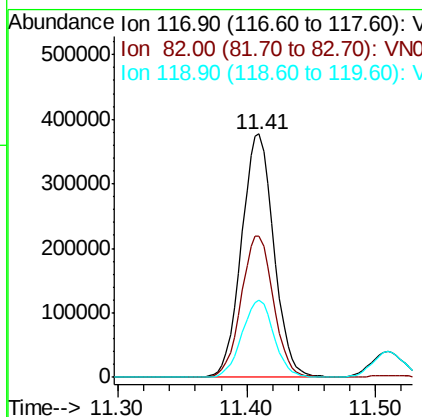
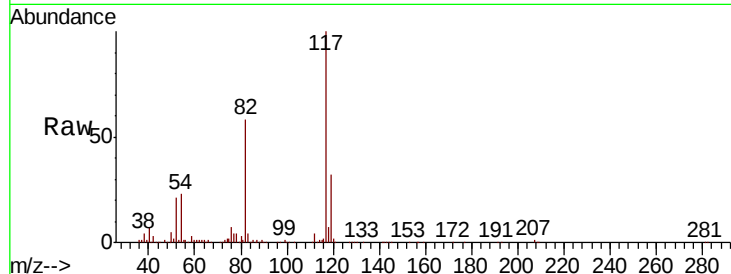
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.4	71.0
119	31.6	25.5	38.3

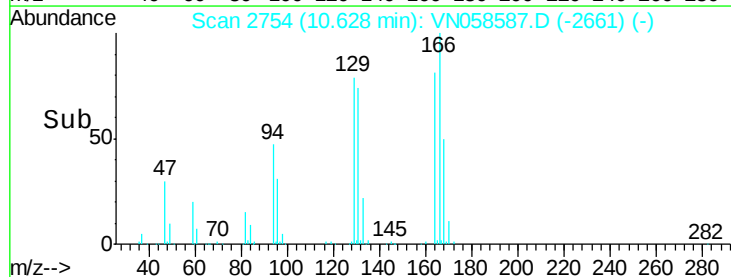
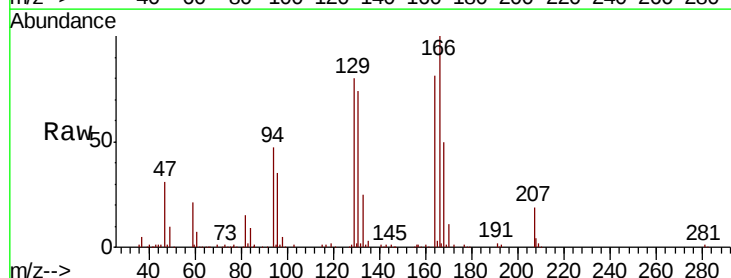
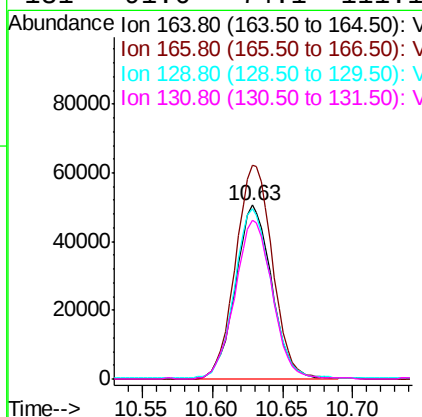
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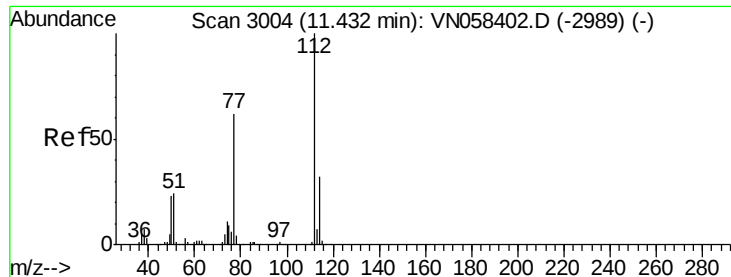
MMDadoda
10/9/2019 10:50:47 AM



#64
Tetrachloroethene
Concen: 21.848 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.0	101.1	151.7
129	97.2	79.2	118.8
131	91.6	74.1	111.1





#65

Chlorobenzene

Concen: 20.692 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD02

Tot Ion:112 Resp: 270559

Ion Ratio Lower Upper

112 100

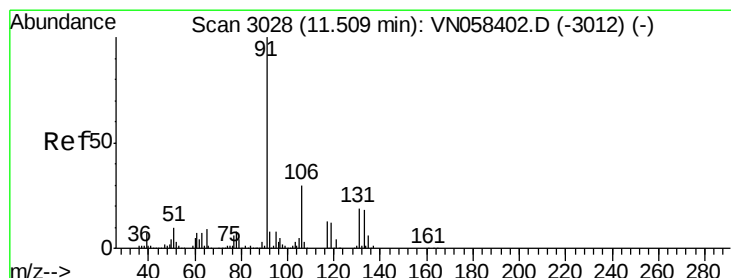
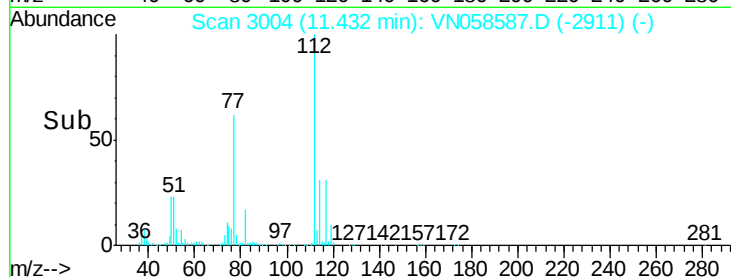
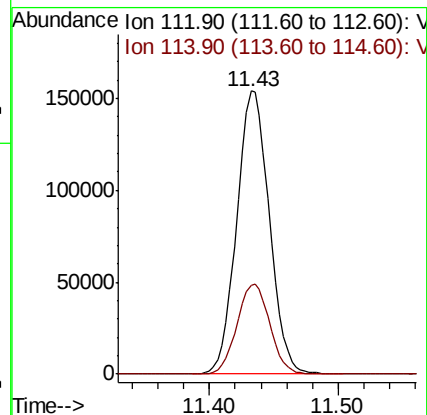
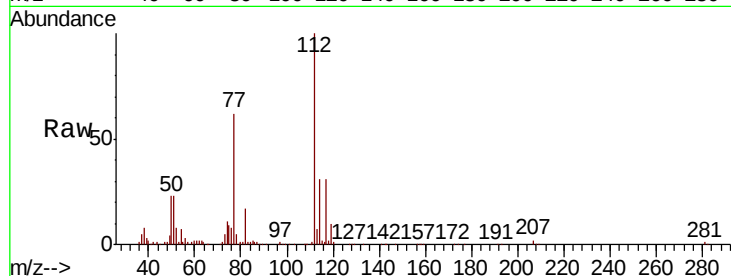
114 31.4 25.4 38.2

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 23.096 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

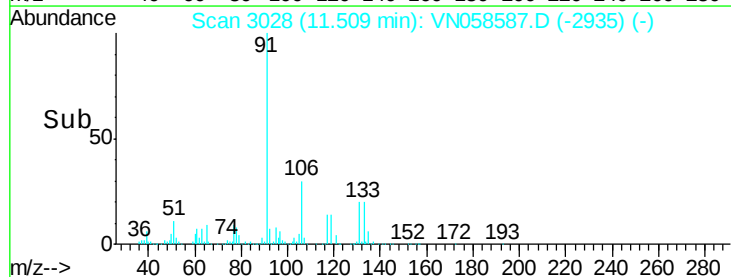
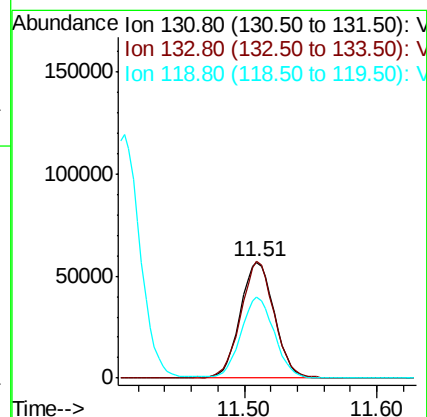
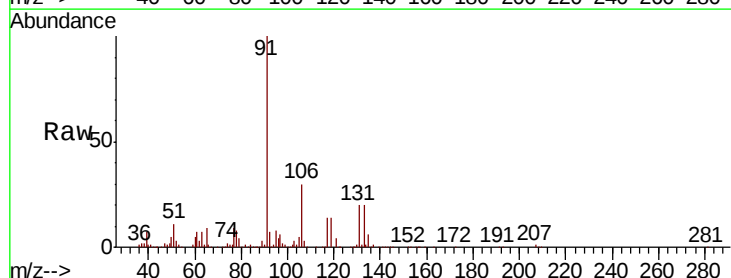
Tgt Ion:131 Resp: 101750

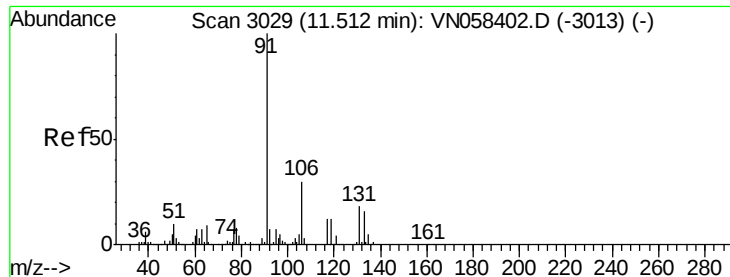
Ion Ratio Lower Upper

131 100

133 96.5 47.8 143.3

119 67.3 33.0 99.0





#67

Ethyl Benzene

Concen: 21.049 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD02

Tot Ion: 91 Resp: 498524

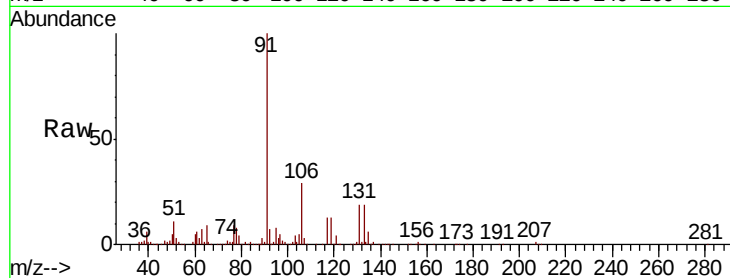
Ion Ratio Lower Upper

91 100

106 29.4 24.3 36.5

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Abundance Ion 91.00 (90.70 to 91.70): VN058587.D (-2936) (-)

Ion 106.00 (105.70 to 106.70): VN058587.D (-2936) (-)

400000

300000

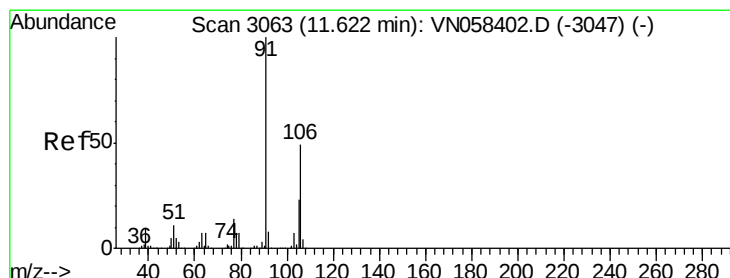
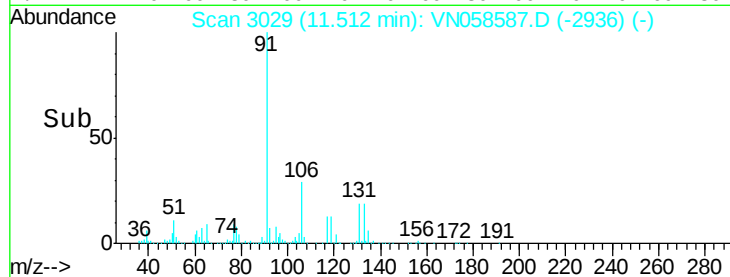
200000

100000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 40.677 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN058587.D

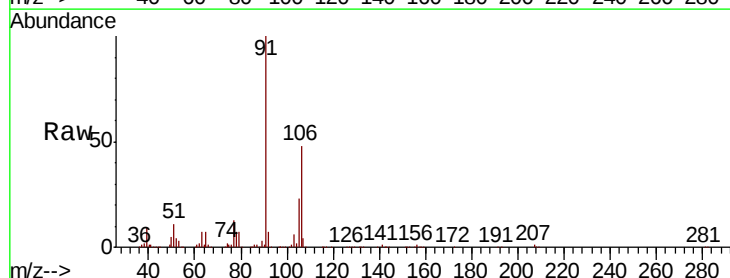
Acq: 7 Oct 2019 23:02

Tgt Ion: 106 Resp: 362469

Ion Ratio Lower Upper

106 100

91 209.1 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN058587.D (-2970) (-)

Ion 91.00 (90.70 to 91.70): VN058587.D (-2970) (-)

400000

300000

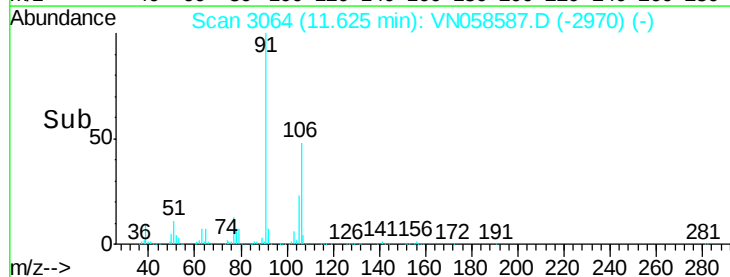
200000

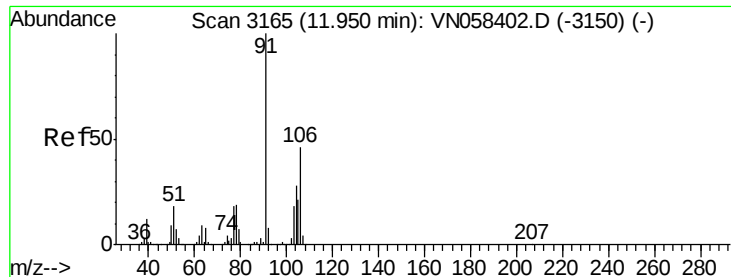
100000

0

11.60 11.63 11.70

Time-->





#69

o-Xylene

Concen: 20.787 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampled :

VN1007WBSD02

Tot Ion:106 Resp: 178309

Ion Ratio Lower Upper

106 100

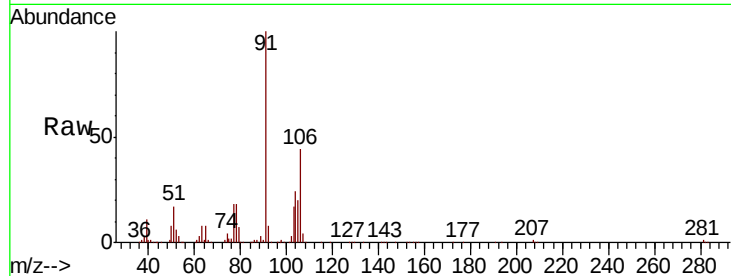
91 221.7 109.1 327.4

Manual Integrations

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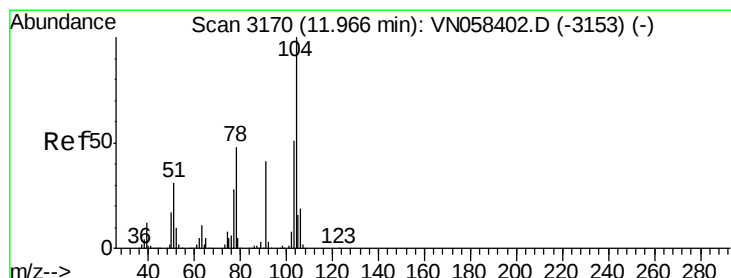
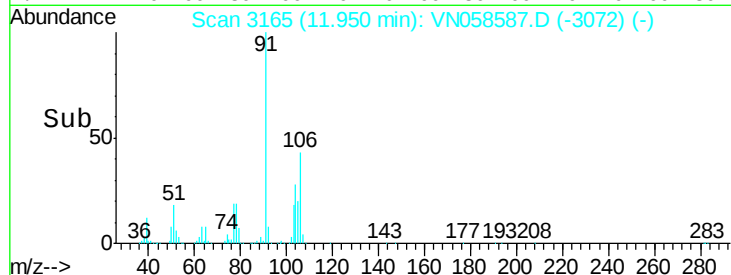
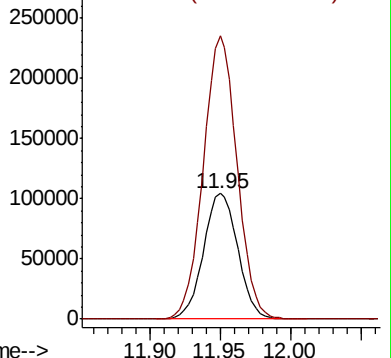
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 20.651 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

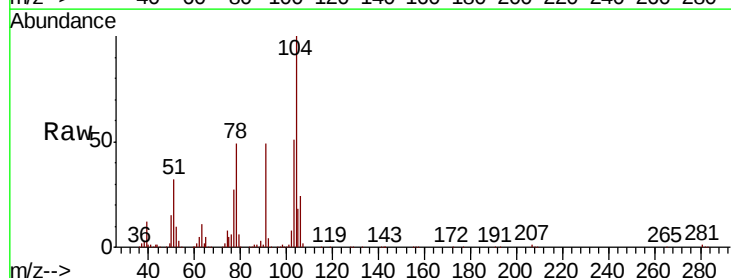
Tgt Ion:104 Resp: 287775

Ion Ratio Lower Upper

104 100

78 54.0 42.8 64.2

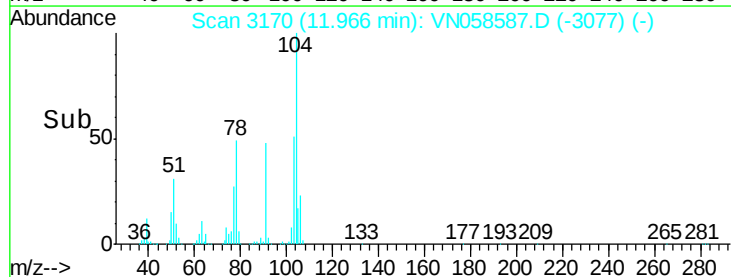
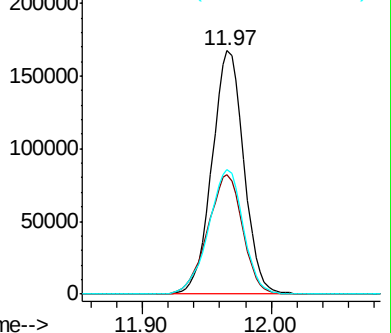
103 55.8 43.7 65.5

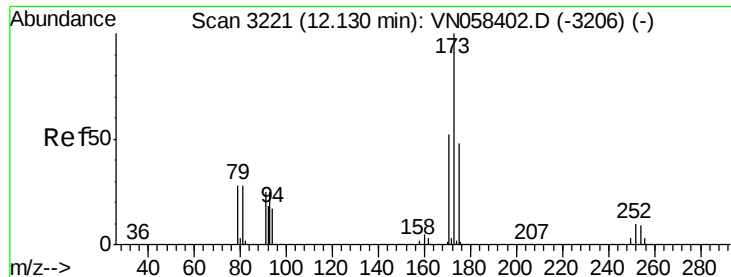


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





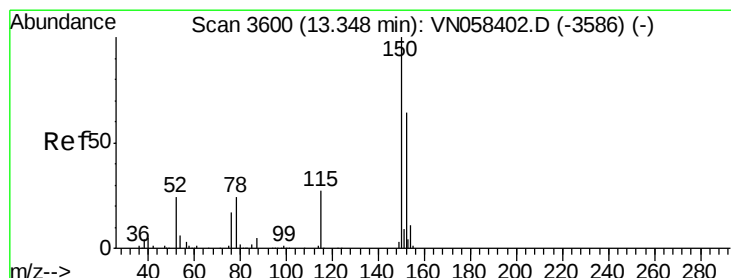
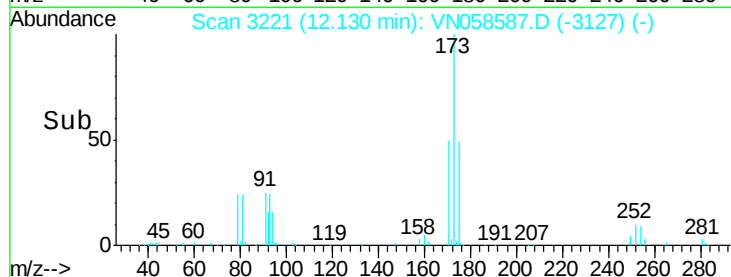
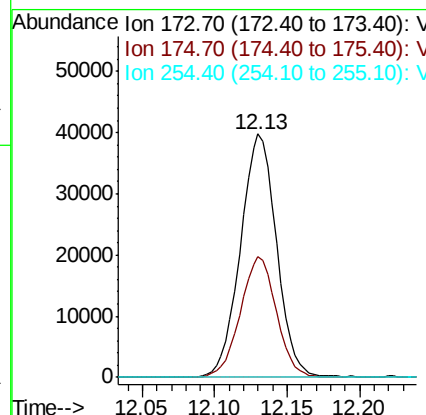
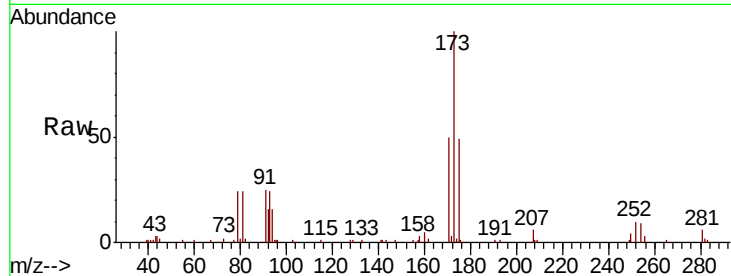
#71
Bromoform
Concen: 23.042 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	73.0
254	0.0	0.1	0.1#

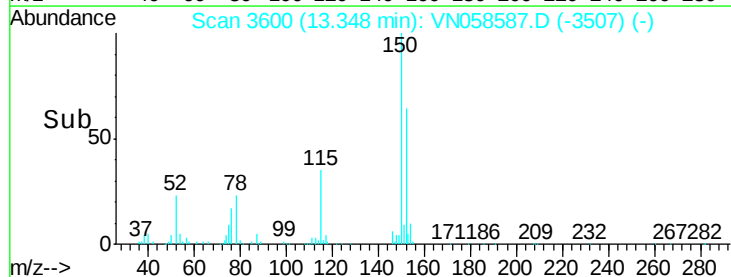
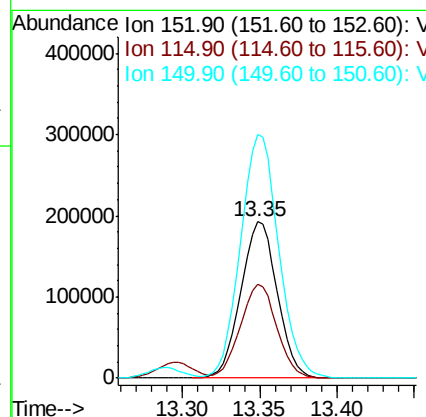
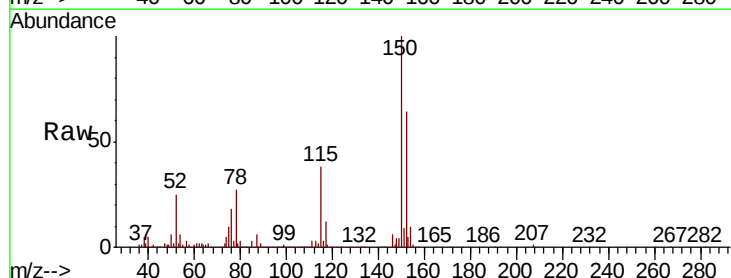
Manual Integrations
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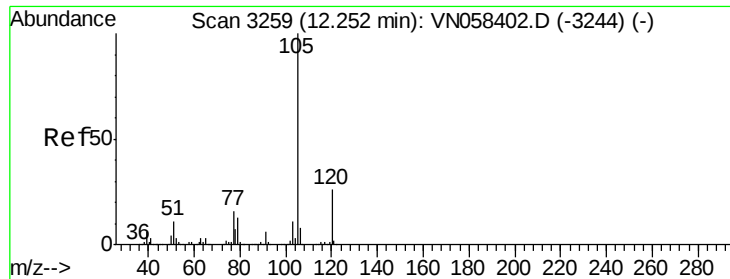
MMDadoda
10/9/2019 10:50:47 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.0	90.0
150	162.9	0.0	348.2





#73

Isopropylbenzene

Concen: 20.590 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD02

Tot Ion:105 Resp: 479468

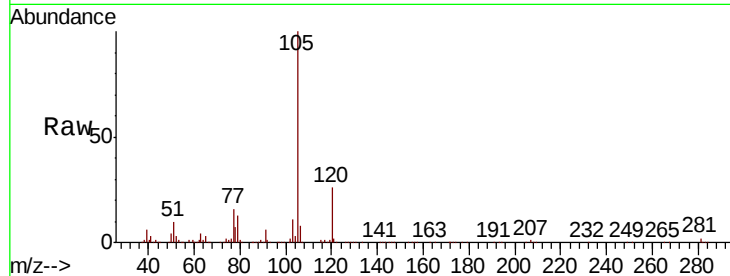
Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.4

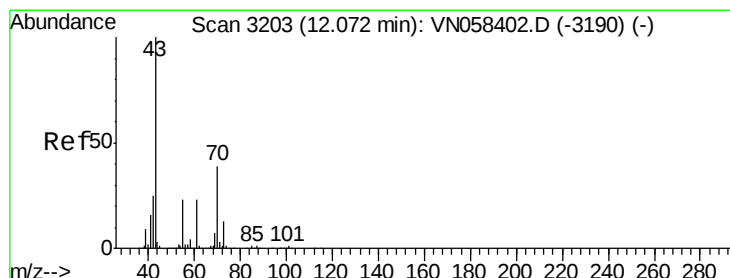
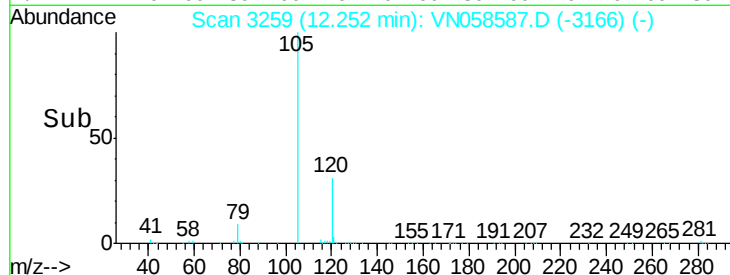
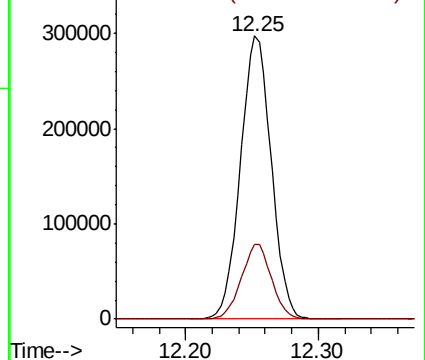
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.377 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Tgt Ion: 43 Resp: 198028

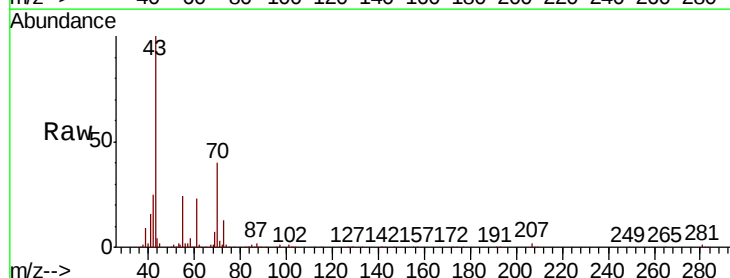
Ion Ratio Lower Upper

43 100

70 40.1 31.4 47.2

55 24.6 18.2 27.4

61 23.1 18.3 27.5

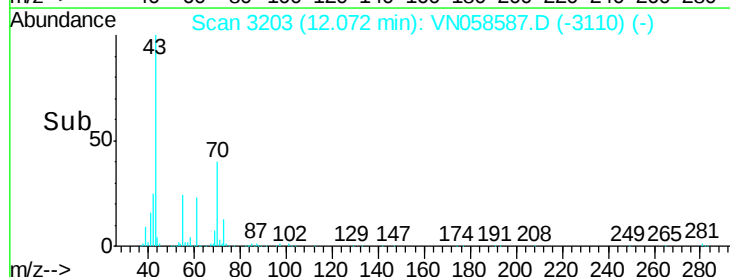
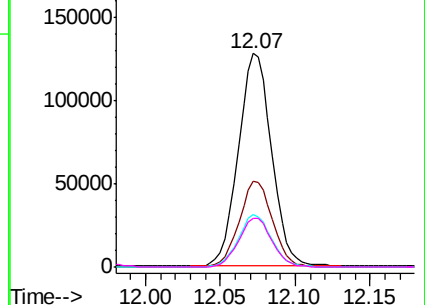


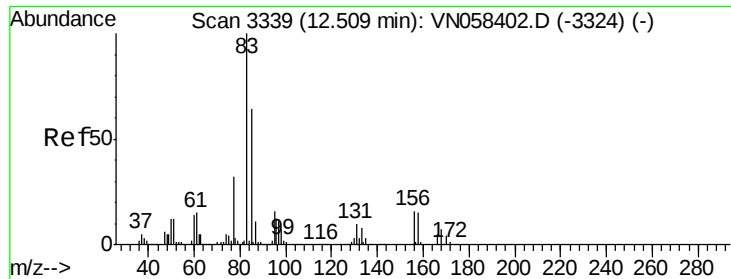
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.693 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

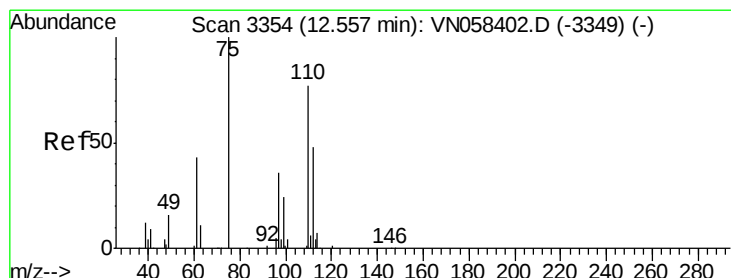
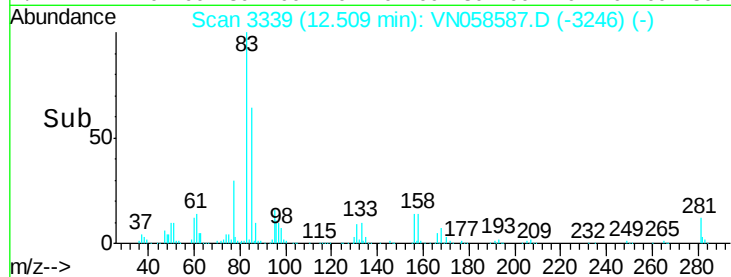
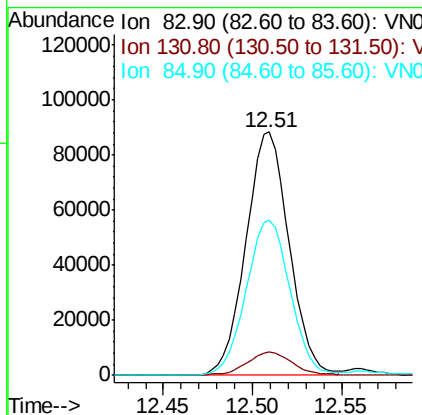
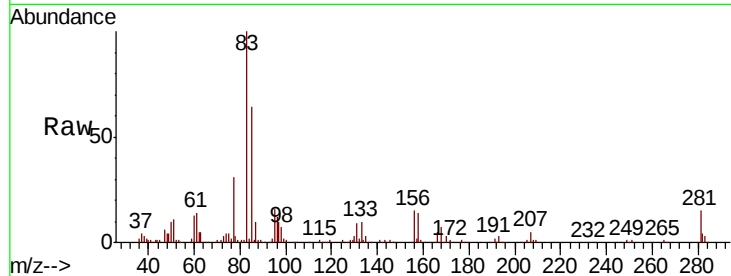
ClientSampleId :

VN1007WBSD02

Tot Ion:	83	Resp:	149374
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.7
85	64.8	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 24.703 ug/l m

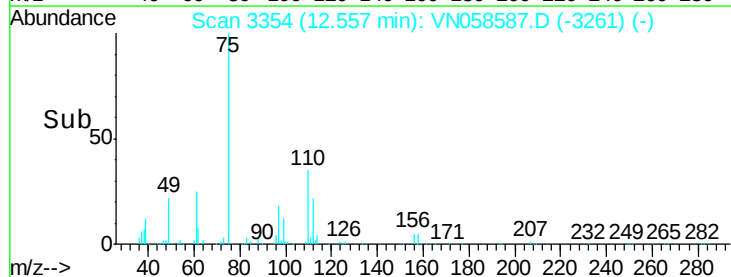
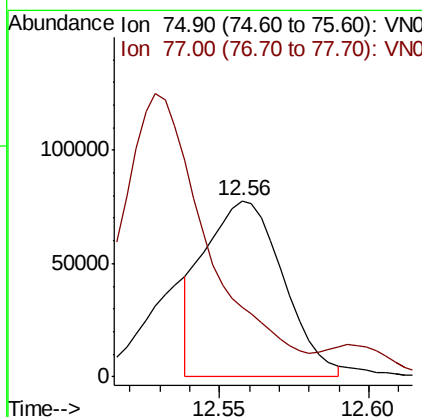
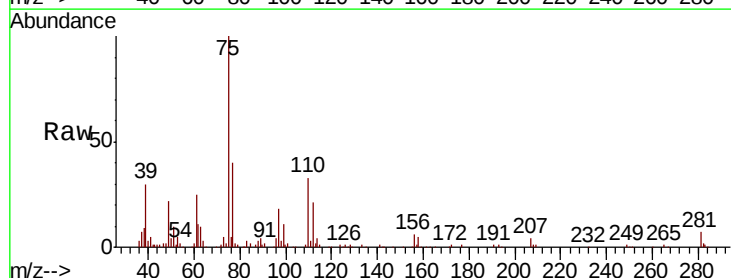
RT: 12.56 min Scan# 3354

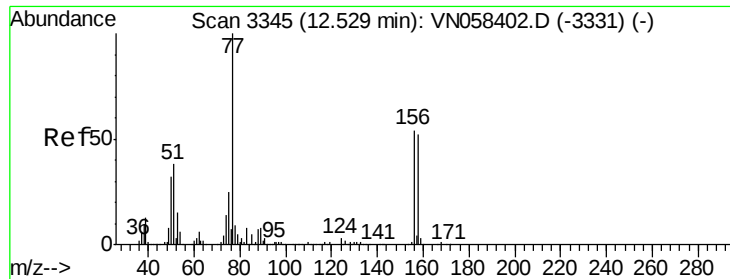
Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Tgt Ion:	75	Resp:	142169
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.297 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD02

Tot Ion:156 Resp: 116280

Ion Ratio Lower Upper

156 100

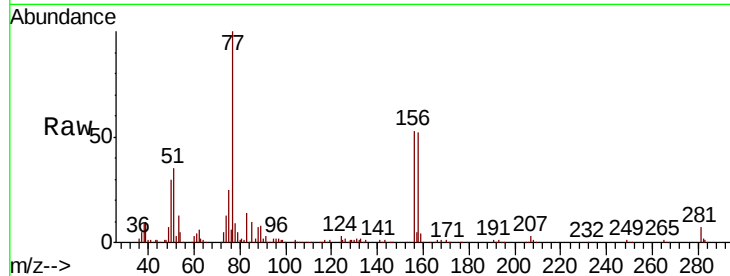
77 219.5 110.0 330.0

158 96.6 47.9 143.8

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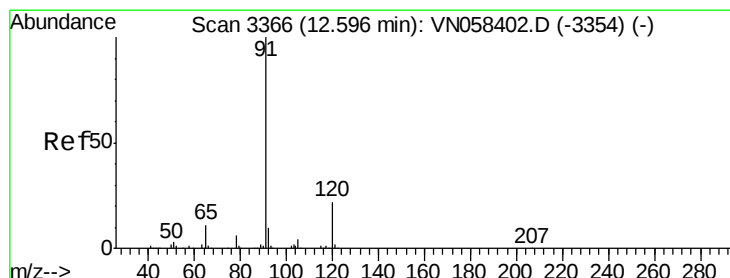
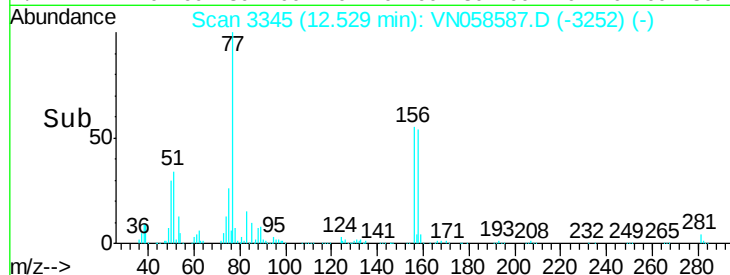
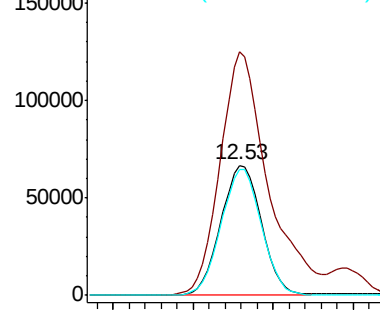
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.160 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058587.D

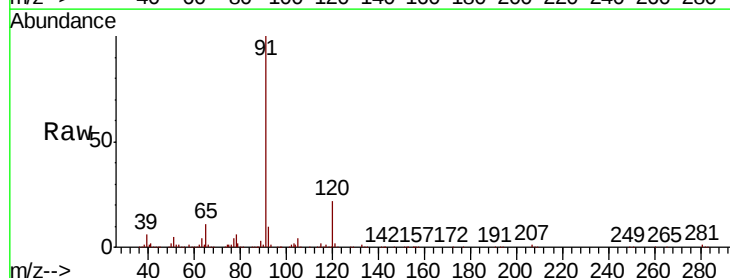
Acq: 7 Oct 2019 23:02

Tgt Ion: 91 Resp: 555121

Ion Ratio Lower Upper

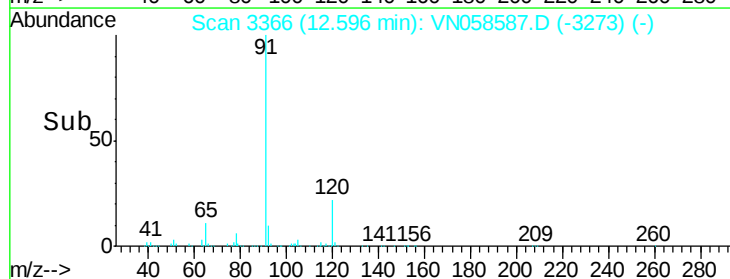
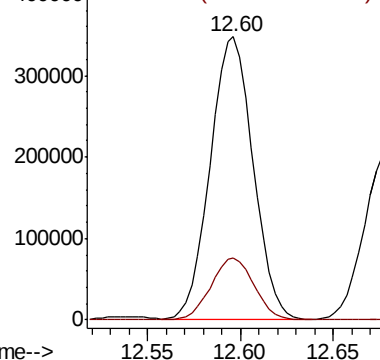
91 100

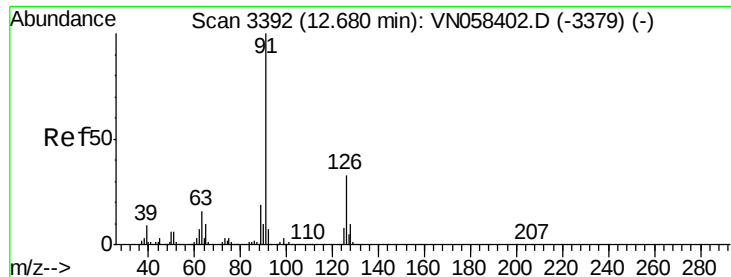
120 22.1 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.942 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBSD02

Tot Ion: 91 Resp: 339103

Ion Ratio Lower Upper

91 100

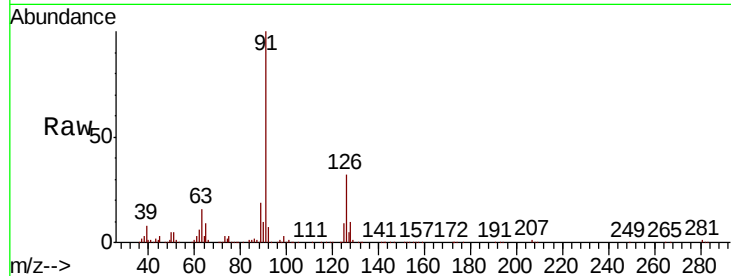
126 31.9 16.2 48.6

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Abundance Ion 91.00 (90.70 to 91.70): VN058587.D (-3299) (-)

Ion 125.90 (125.60 to 126.60): VN058587.D (-3299) (-)

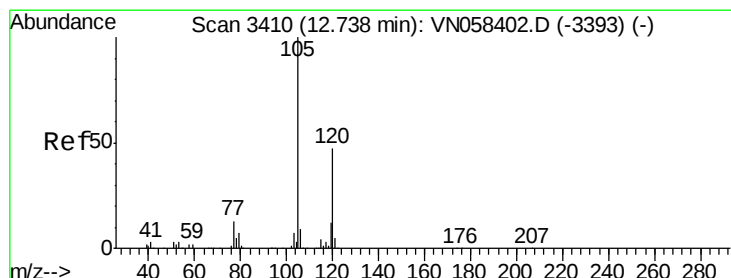
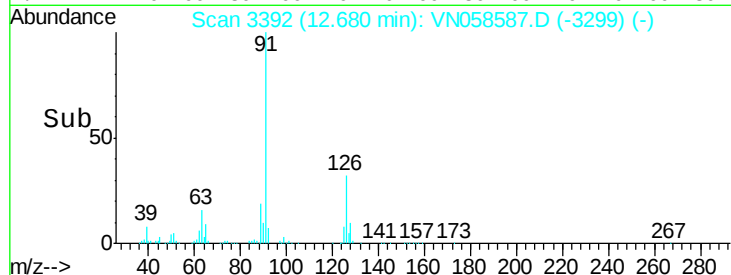
300000

200000

100000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 20.915 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Tgt Ion: 105 Resp: 407695

Ion Ratio Lower Upper

105 100

120 47.6 23.5 70.6

Abundance Ion 105.00 (104.70 to 105.70): VN058587.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058587.D (-3317) (-)

300000

250000

200000

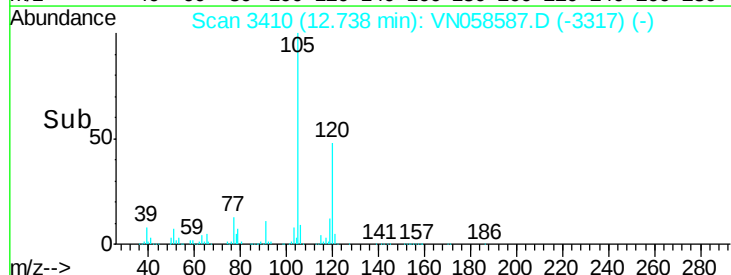
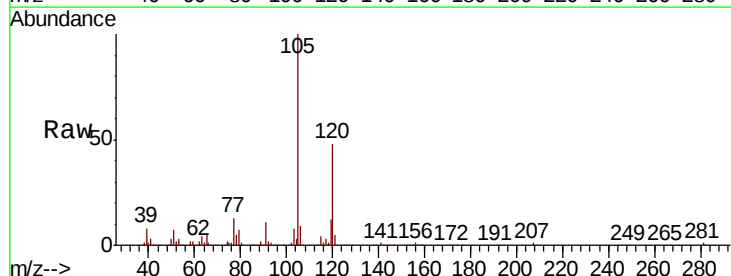
150000

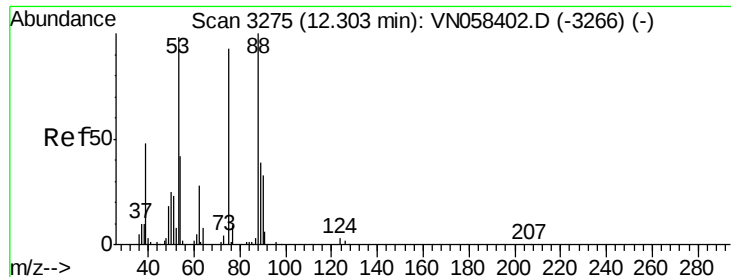
100000

50000

0

Time--> 12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 21.200 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

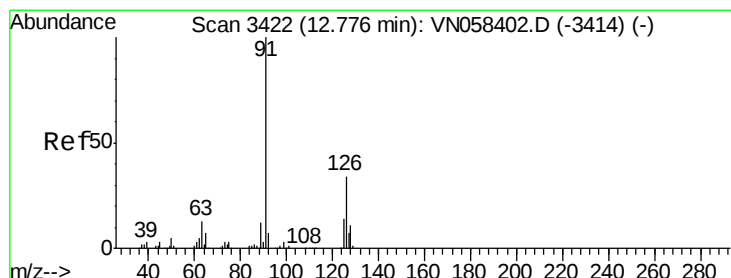
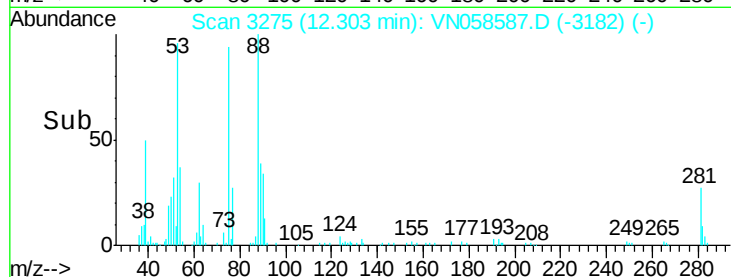
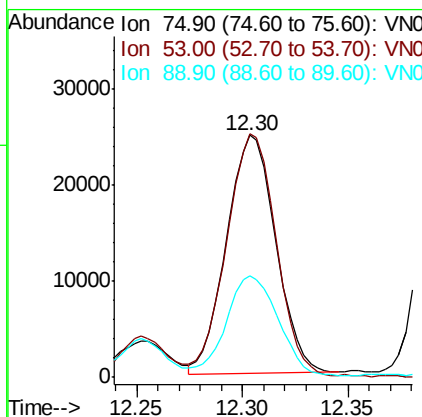
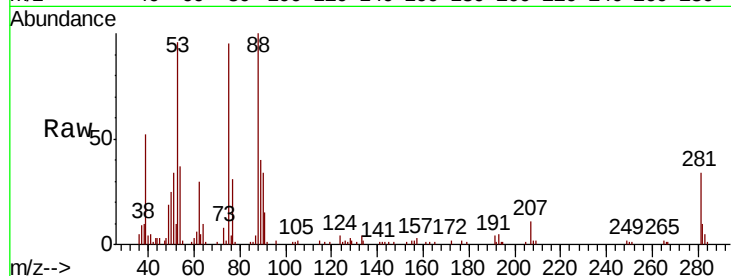
ClientSampleId :

VN1007WBSD02

Tot Ion:	75	Resp:	40173
Ion	Ratio	Lower	Upper
75	100		
53	105.1	85.4	128.0
89	44.6	35.0	52.4

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#82

4-Chlorotoluene

Concen: 20.574 ug/l

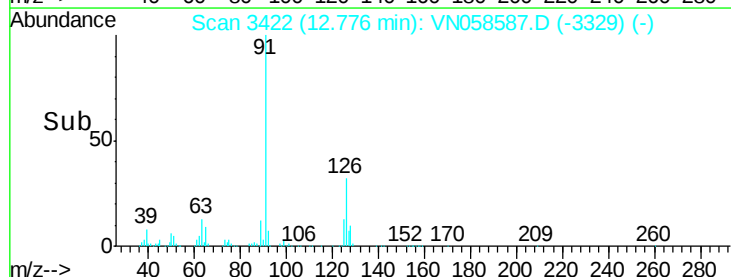
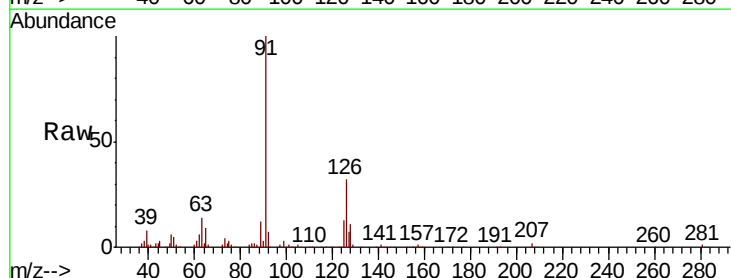
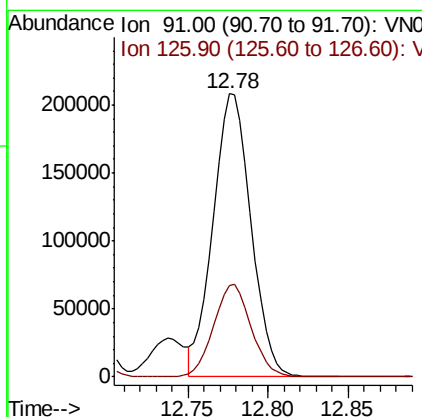
RT: 12.78 min Scan# 3422

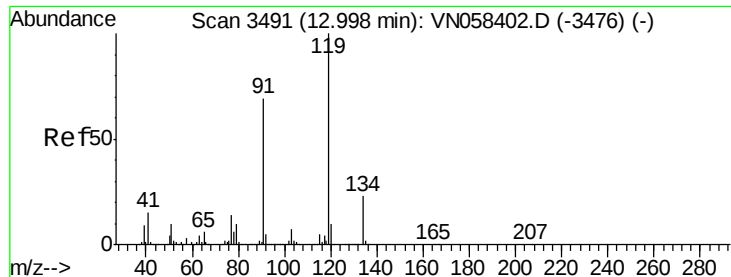
Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Tgt Ion:	91	Resp:	339949
Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.9	47.7





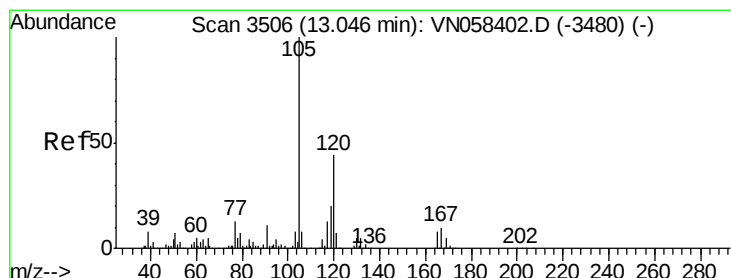
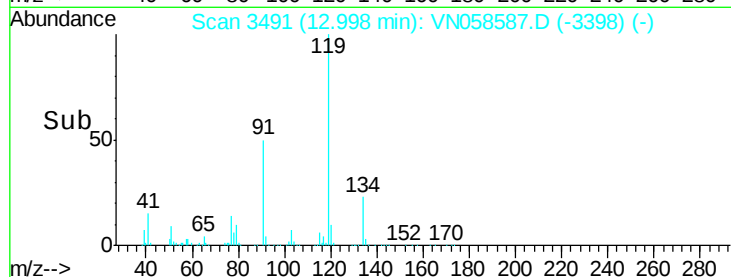
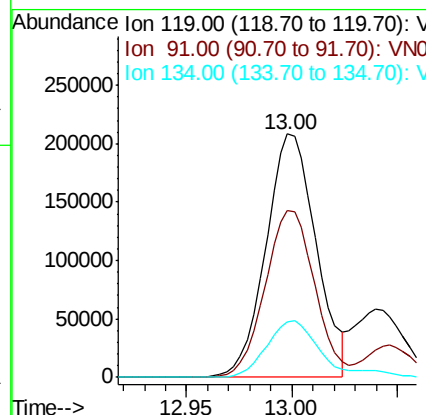
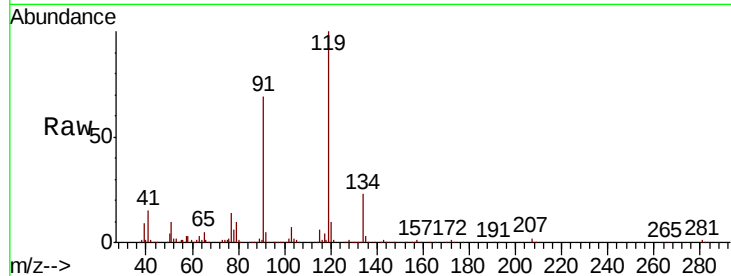
#83
tert-Butylbenzene
Concen: 20.881 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.2	102.6
134	23.4	11.6	34.8

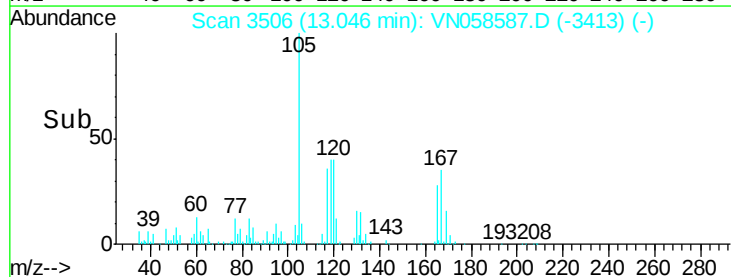
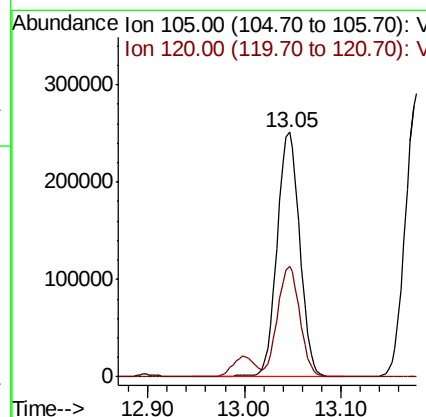
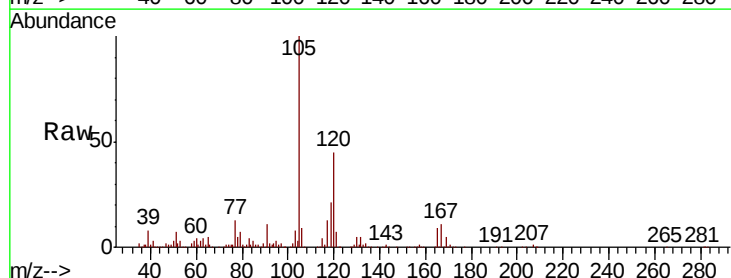
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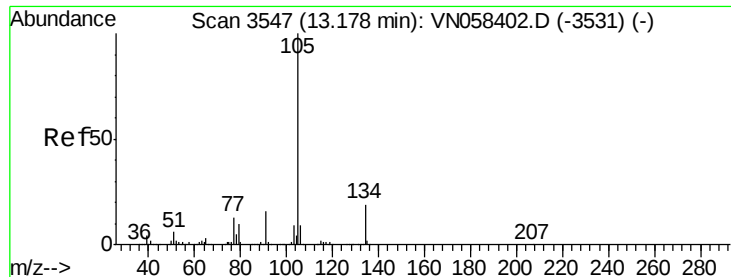
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#84
1,2,4-Trimethylbenzene
Concen: 20.998 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.7	65.1





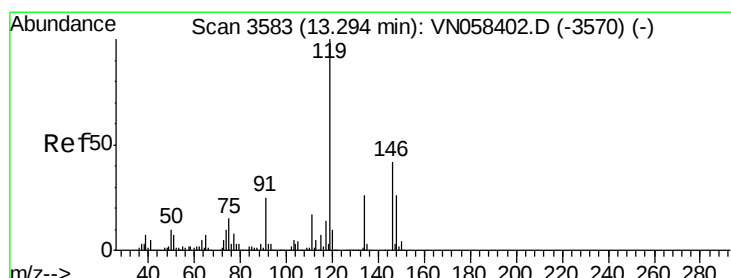
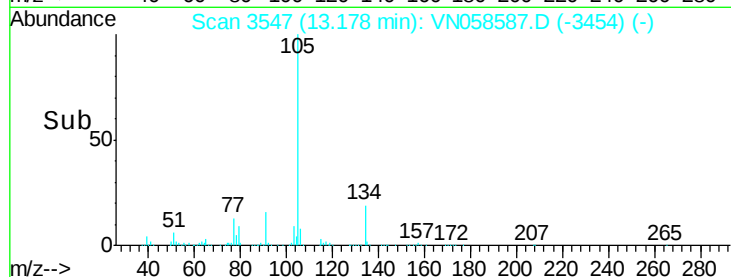
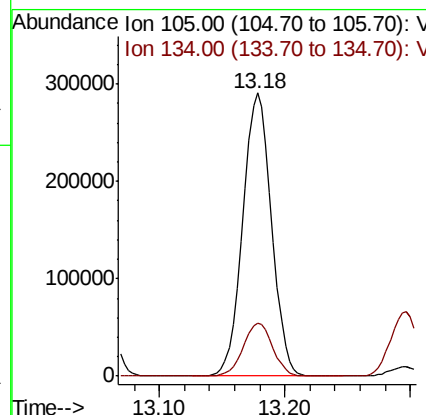
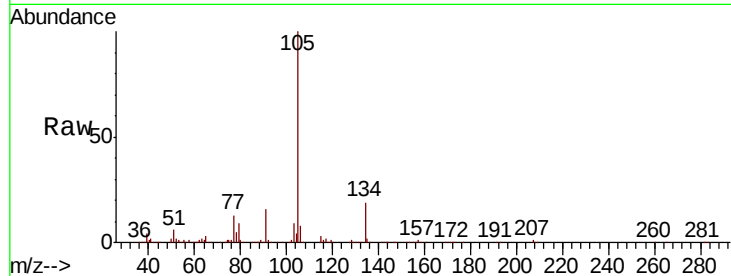
#85
 sec-Butylbenzene
 Concen: 21.217 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.4	28.2

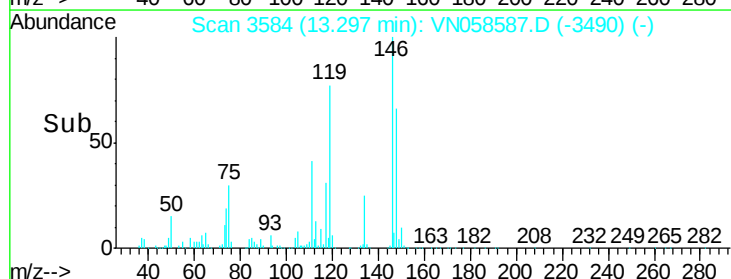
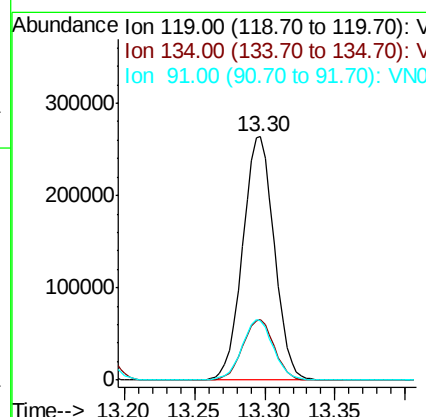
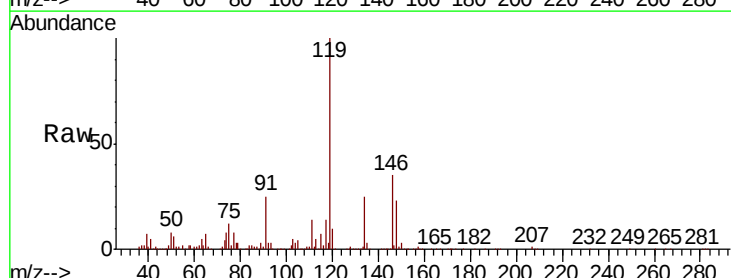
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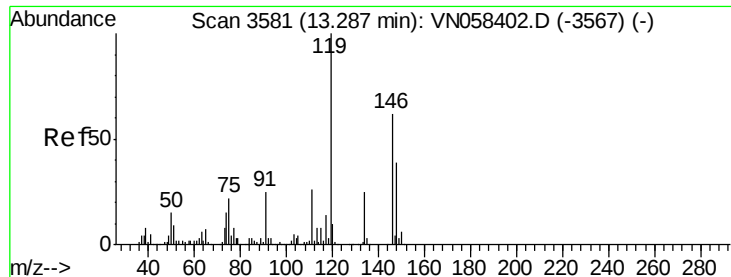
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#86
 p-Isopropyltoluene
 Concen: 21.607 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	13.0	39.0
91	24.5	12.4	37.0





#87

1,3-Dichlorobenzene

Concen: 20.737 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058587.D

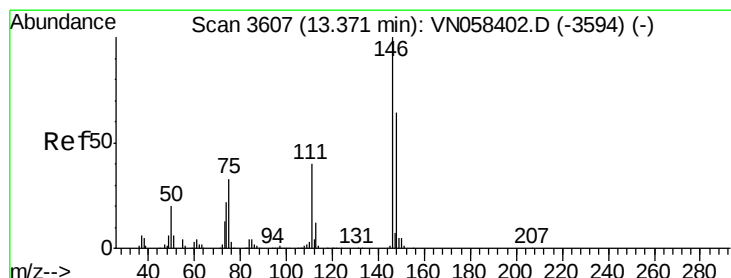
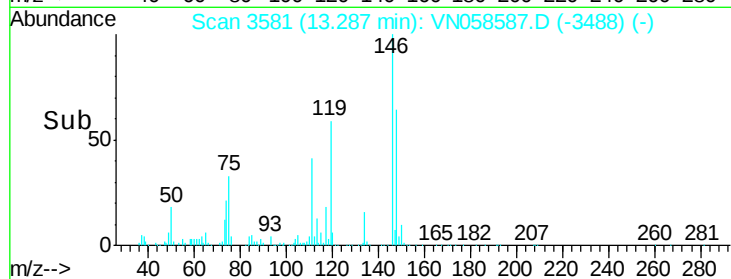
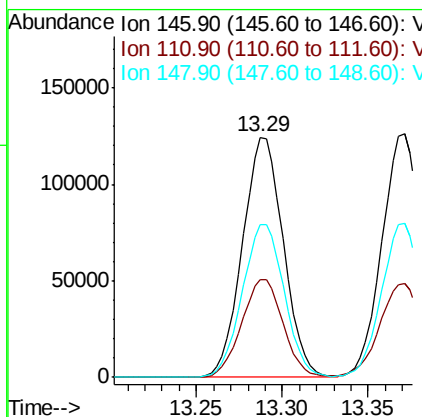
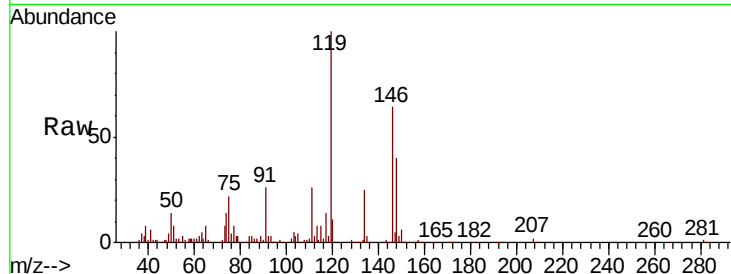
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.4
148	65.0	31.4	94.3

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#88

1,4-Dichlorobenzene

Concen: 20.728 ug/l

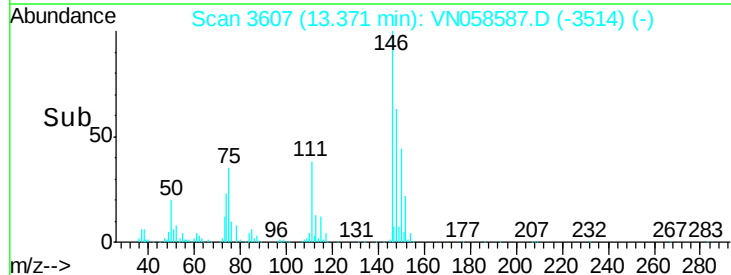
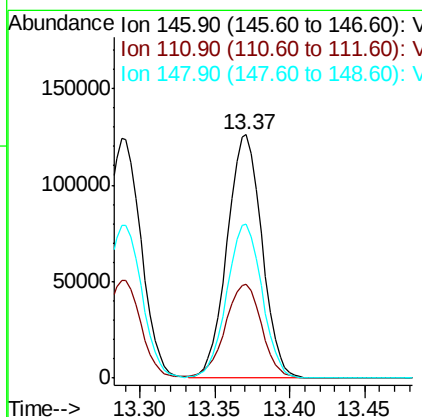
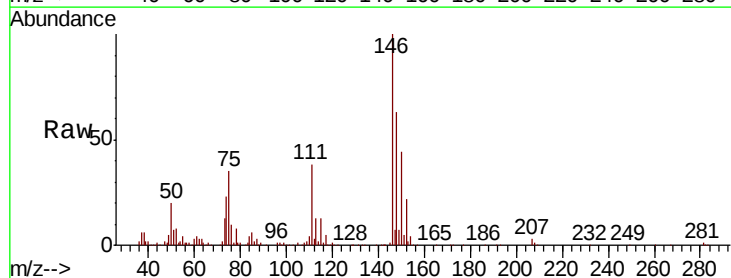
RT: 13.37 min Scan# 3607

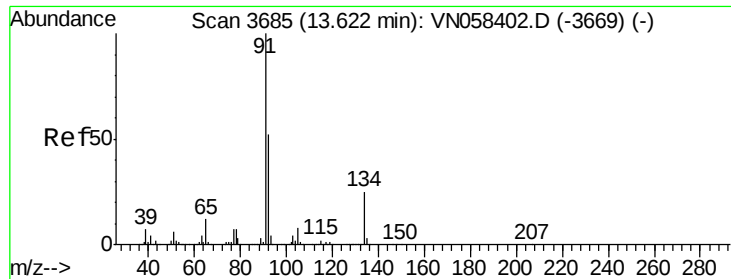
Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.5	61.6
148	63.7	31.5	94.5





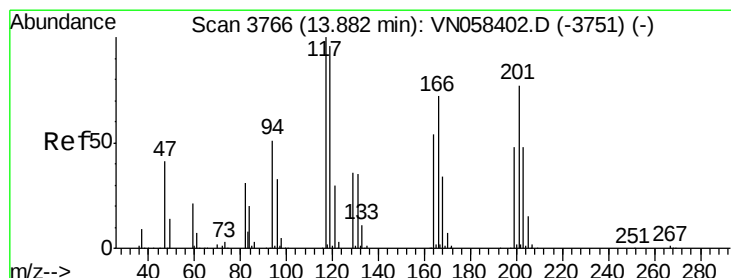
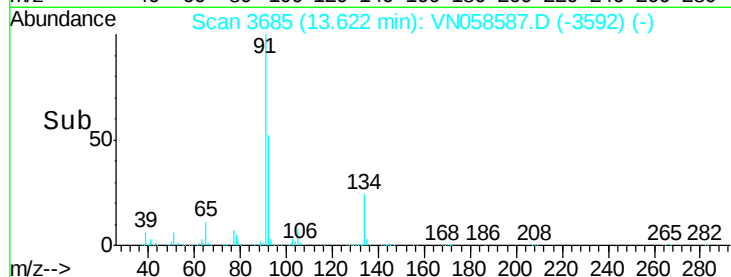
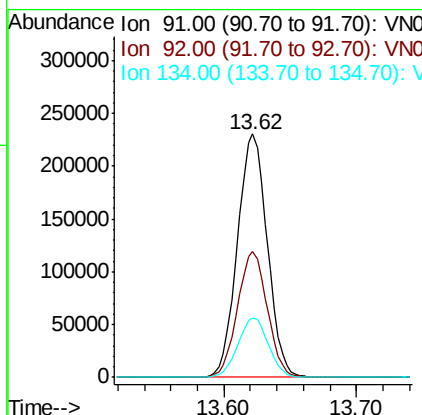
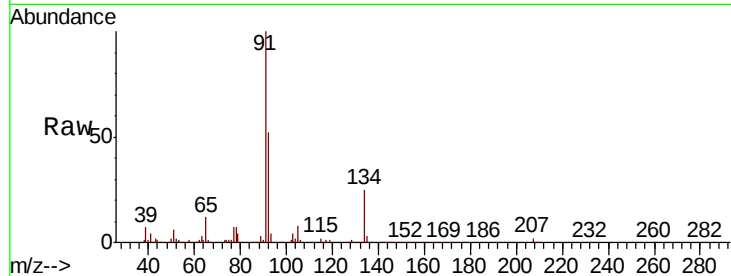
#89
n-Butylbenzene
Concen: 20.826 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	51.6	25.7	77.1	
134	25.0	12.2	36.6	

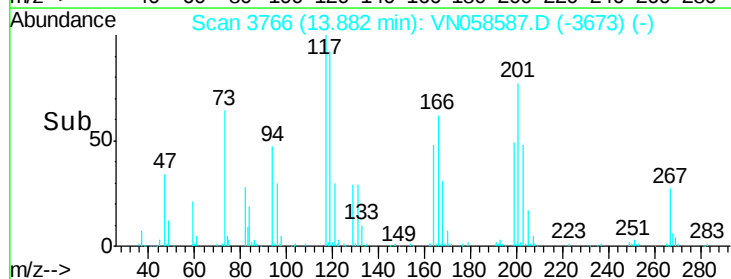
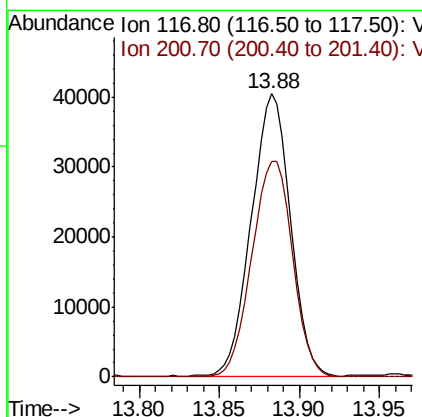
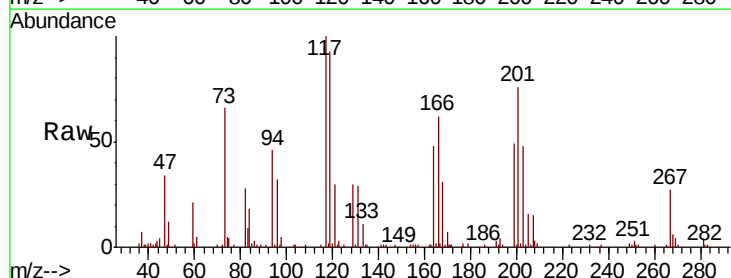
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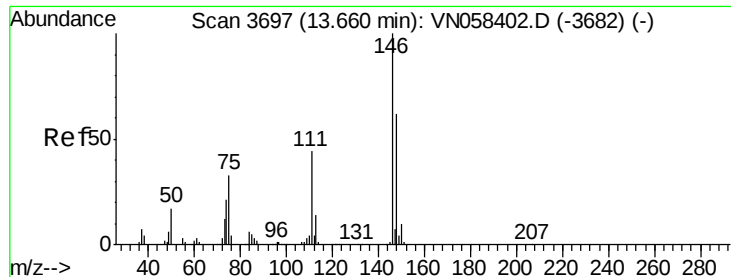
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10/9/2019 10:50:47 AM



#90
Hexachloroethane
Concen: 23.846 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058587.D
Acq: 7 Oct 2019 23:02

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	78.9	38.6	116.0	





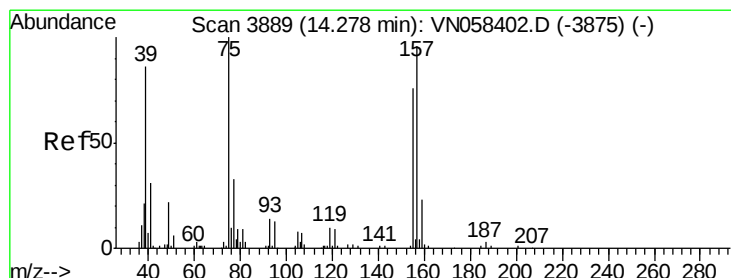
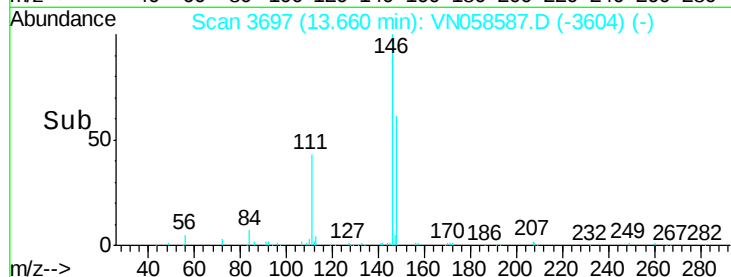
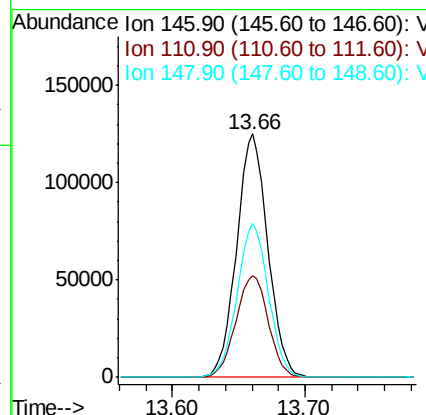
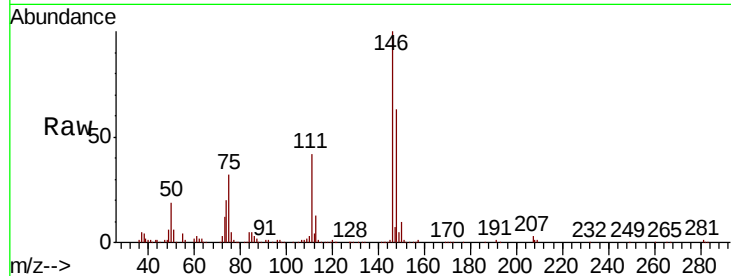
#91
 1,2-Dichlorobenzene
 Concen: 21.490 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.8	65.3
148	63.4	31.5	94.5

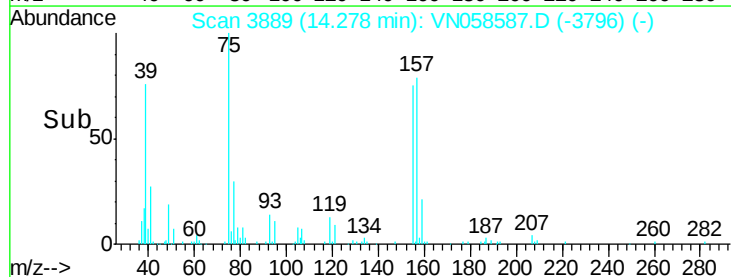
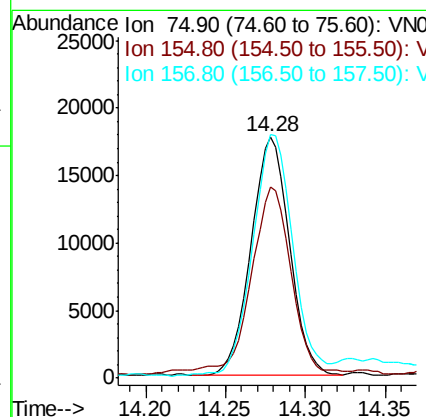
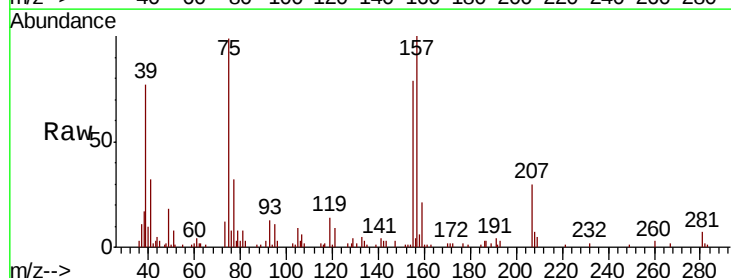
Manual Integrations
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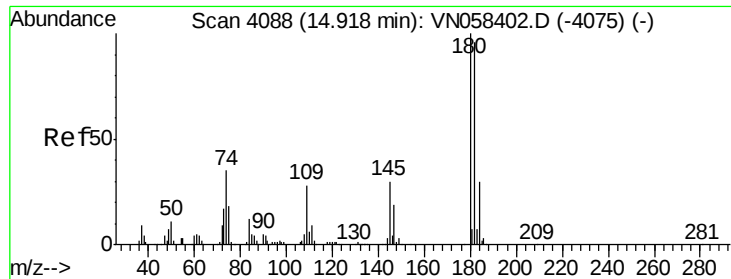
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.059 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.4	39.2	117.6
157	106.1	48.7	146.1





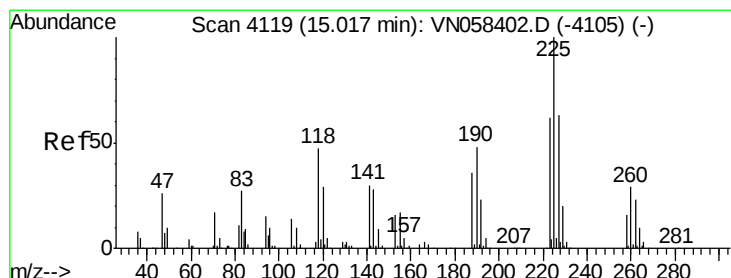
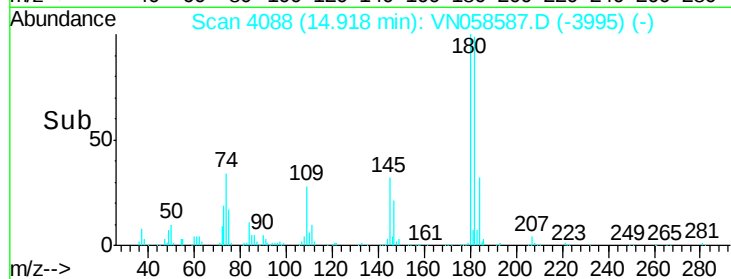
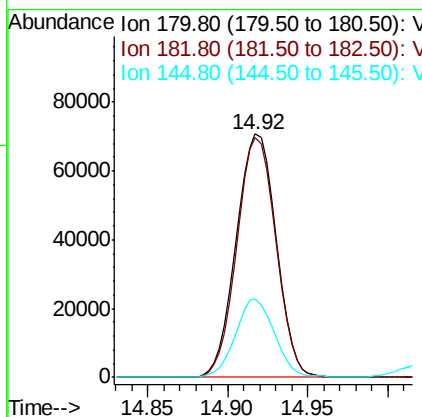
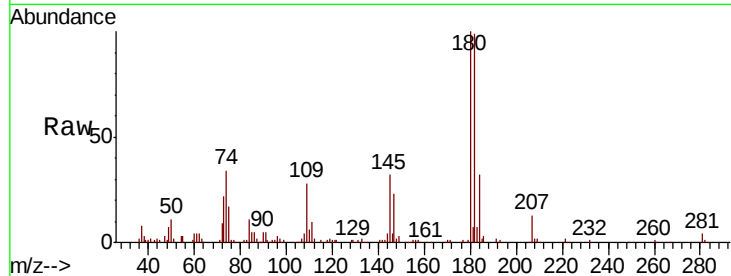
#93
 1,2,4-Trichlorobenzene
 Concen: 22.879 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	120268		
182	96.3	47.4	142.3	
145	31.0	15.3	45.9	

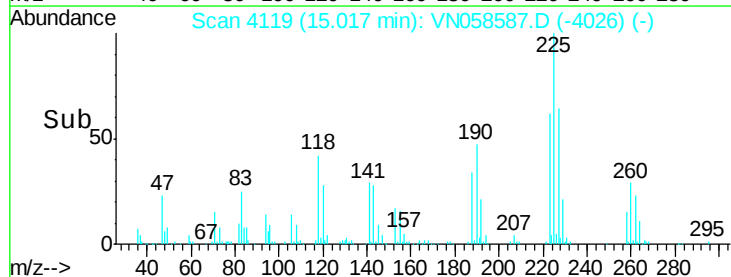
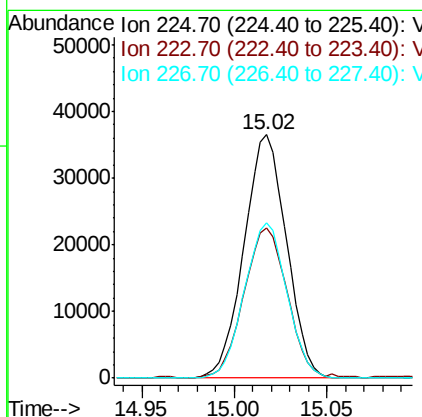
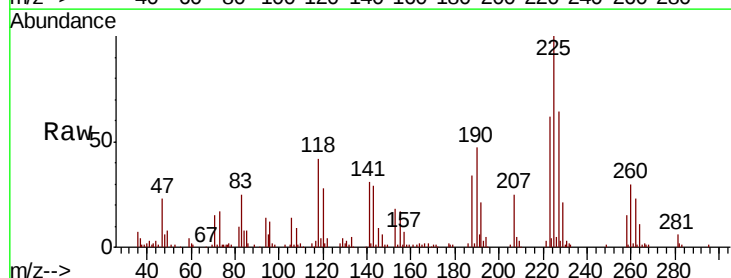
Manual Integrations
 APPROVED

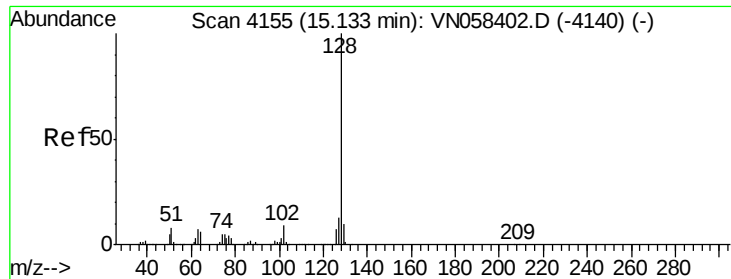
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#94
 Hexachlorobutadiene
 Concen: 21.529 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058587.D
 Acq: 7 Oct 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58169		
223	63.4	31.1	93.5	
227	63.6	31.4	94.2	





#95

Naphthalene

Concen: 22.544 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Instrument :

MSVOA_N

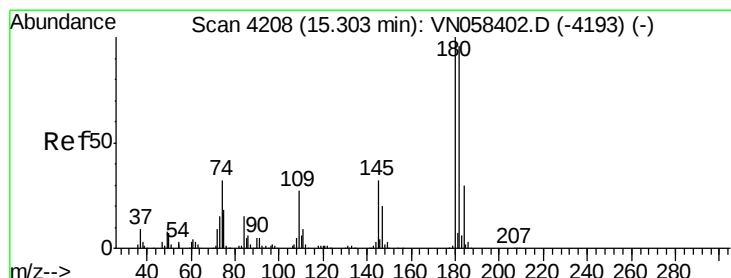
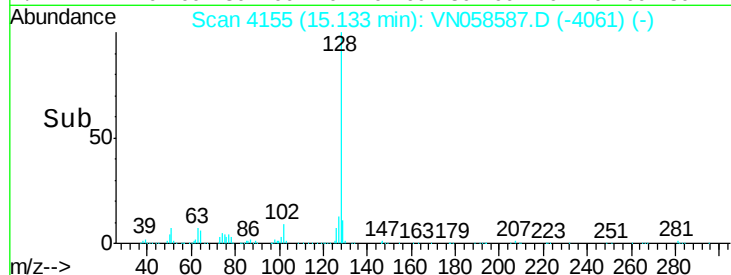
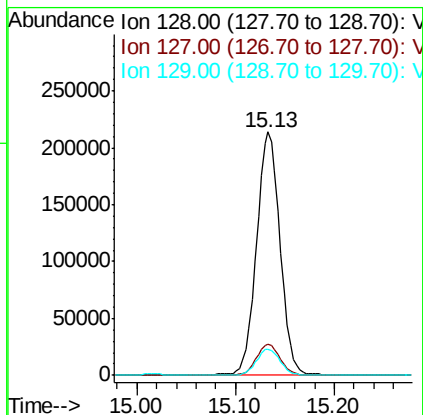
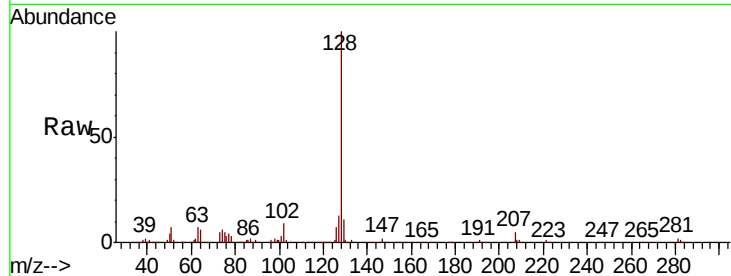
ClientSampleId :

VN1007WBSD02

Tot Ion:	128	Resp:	347294
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.2	15.4
129	10.7	8.3	12.5

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 21.835 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058587.D

Acq: 7 Oct 2019 23:02

Tgt Ion:	180	Resp:	115151
Ion Ratio	Lower	Upper	
180	100		
182	96.7	48.3	144.9
145	31.1	16.1	48.3

