

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058750.D
 Acq On : 14 Oct 2019 15:27
 Operator : JC/SP
 Sample : VN1014WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:57:00 AM

Quant Time: Oct 15 04:05:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	400894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	642797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	595093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	284106	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	290106	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
35) Dibromofluoromethane	7.57	113	205693	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
50) Toluene-d8	10.08	98	811432	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.41	95	290998	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	108358	21.702	ug/l	96
3) Chloromethane	2.04	50	122754	20.675	ug/l	98
4) Vinyl Chloride	2.17	62	122299	20.682	ug/l	98
5) Bromomethane	2.55	94	76547	21.279	ug/l	99
6) Chloroethane	2.68	64	77286	21.189	ug/l	99
7) Trichlorofluoromethane	3.00	101	152169	21.502	ug/l	99
8) Diethyl Ether	3.39	74	52645	20.134	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	85775	21.257	ug/l	96
10) Methyl Iodide	3.93	142	107056	19.442	ug/l	99
11) Tert butyl alcohol	4.76	59	97463	107.226	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	78673	20.434	ug/l	95
13) Acrolein	3.58	56	61717	84.426	ug/l	96
14) Allyl chloride	4.30	41	154706	19.912	ug/l	98
15) Acrylonitrile	4.96	53	244426	106.633	ug/l	98
16) Acetone	3.80	43	262307	112.892	ug/l	99
17) Carbon Disulfide	4.03	76	244676	19.881	ug/l	99
18) Methyl Acetate	4.30	43	122185	20.731	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	282478	20.547	ug/l	98
20) Methylene Chloride	4.53	84	95303	19.626	ug/l	100
21) trans-1,2-Dichloroethene	5.02	96	87163	20.240	ug/l	97
22) Diisopropyl ether	5.93	45	313627	20.761	ug/l	97
23) Vinyl Acetate	5.87	43	1334622	109.489	ug/l	100
24) 1,1-Dichloroethane	5.82	63	177620	20.644	ug/l	100
25) 2-Butanone	6.81	43	356097	106.032	ug/l	98
26) 2,2-Dichloropropane	6.80	77	156222	19.891	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	100435	19.999	ug/l	100
28) Bromochloromethane	7.18	49	62885	21.009	ug/l	97
29) Tetrahydrofuran	7.19	42	225234	103.780	ug/l	99
30) Chloroform	7.35	83	174952	20.239	ug/l	100
31) Cyclohexane	7.64	56	163880	19.907	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	155322	21.069	ug/l	99
36) 1,1-Dichloropropene	7.78	75	131498	20.233	ug/l	99
37) Ethyl Acetate	6.91	43	143907	21.894	ug/l	98
38) Carbon Tetrachloride	7.76	117	136123	21.491	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	149815	19.865	ug/l	98
40) Benzene	8.02	78	388852	20.833	ug/l	100
41) Methacrylonitrile	7.15	41	58529	19.023	ug/l #	29
42) 1,2-Dichloroethane	8.11	62	151554	21.134	ug/l	99
43) Isopropyl Acetate	8.15	43	229594	20.505	ug/l #	92
44) Trichloroethene	8.82	130	95480	20.599	ug/l	99
45) 1,2-Dichloropropane	9.11	63	104857	20.985	ug/l	97
46) Dibromomethane	9.20	93	68266	21.549	ug/l	99
47) Bromodichloromethane	9.39	83	136978	21.233	ug/l	98
48) Methyl methacrylate	9.19	41	103465	20.385	ug/l	99
49) 1,4-Dioxane	9.19	88	34793	443.106	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	713739	113.501	ug/l	99
52) Toluene	10.15	92	236802	20.743	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	151668	20.498	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	163624	20.828	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	96208	20.590	ug/l	98
56) Ethyl methacrylate	10.43	69	139391	20.420	ug/l	99
57) 1,3-Dichloropropane	10.71	76	164978	20.720	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	332103	100.952	ug/l	100
59) 2-Hexanone	10.75	43	535022	110.094	ug/l	99
60) Dibromochloromethane	10.90	129	101882	21.137	ug/l	99
61) 1,2-Dibromoethane	11.00	107	97648	20.860	ug/l	100
64) Tetrachloroethene	10.63	164	83064	19.945	ug/l	96
65) Chlorobenzene	11.43	112	245182	20.288	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	93384	20.897	ug/l	99
67) Ethyl Benzene	11.51	91	447634	20.779	ug/l	99
68) m/p-Xylenes	11.62	106	332609	41.142	ug/l	99
69) o-Xylene	11.95	106	157807	20.175	ug/l	99
70) Styrene	11.97	104	258254	20.145	ug/l	99
71) Bromoform	12.13	173	68776	20.997	ug/l #	100
73) Isopropylbenzene	12.25	105	433222	21.055	ug/l	99
74) N-amyl acetate	12.07	43	192508	20.831	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	147517	21.763	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	143874m	23.084	ug/l	
77) Bromobenzene	12.53	156	101467	20.274	ug/l	98
78) n-propylbenzene	12.60	91	511783	21.346	ug/l	99
79) 2-Chlorotoluene	12.68	91	303940	20.424	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	365729	20.820	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	48100	20.673	ug/l	95
82) 4-Chlorotoluene	12.78	91	313235	20.512	ug/l	99
83) tert-Butylbenzene	13.00	119	307608	20.441	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	367046	21.048	ug/l	98
85) sec-Butylbenzene	13.18	105	420509	21.207	ug/l	100
86) p-Isopropyltoluene	13.29	119	373301	20.714	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	186932	20.253	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	180743	19.261	ug/l	96
89) n-Butylbenzene	13.62	91	336582	20.198	ug/l	99
90) Hexachloroethane	13.88	117	68380	21.205	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	184481	20.508	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	31672	20.001	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	106172	19.348	ug/l	98
94) Hexachlorobutadiene	15.01	225	58435	20.222	ug/l	98
95) Naphthalene	15.13	128	296094	18.775	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	103875	19.389	ug/l	99

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

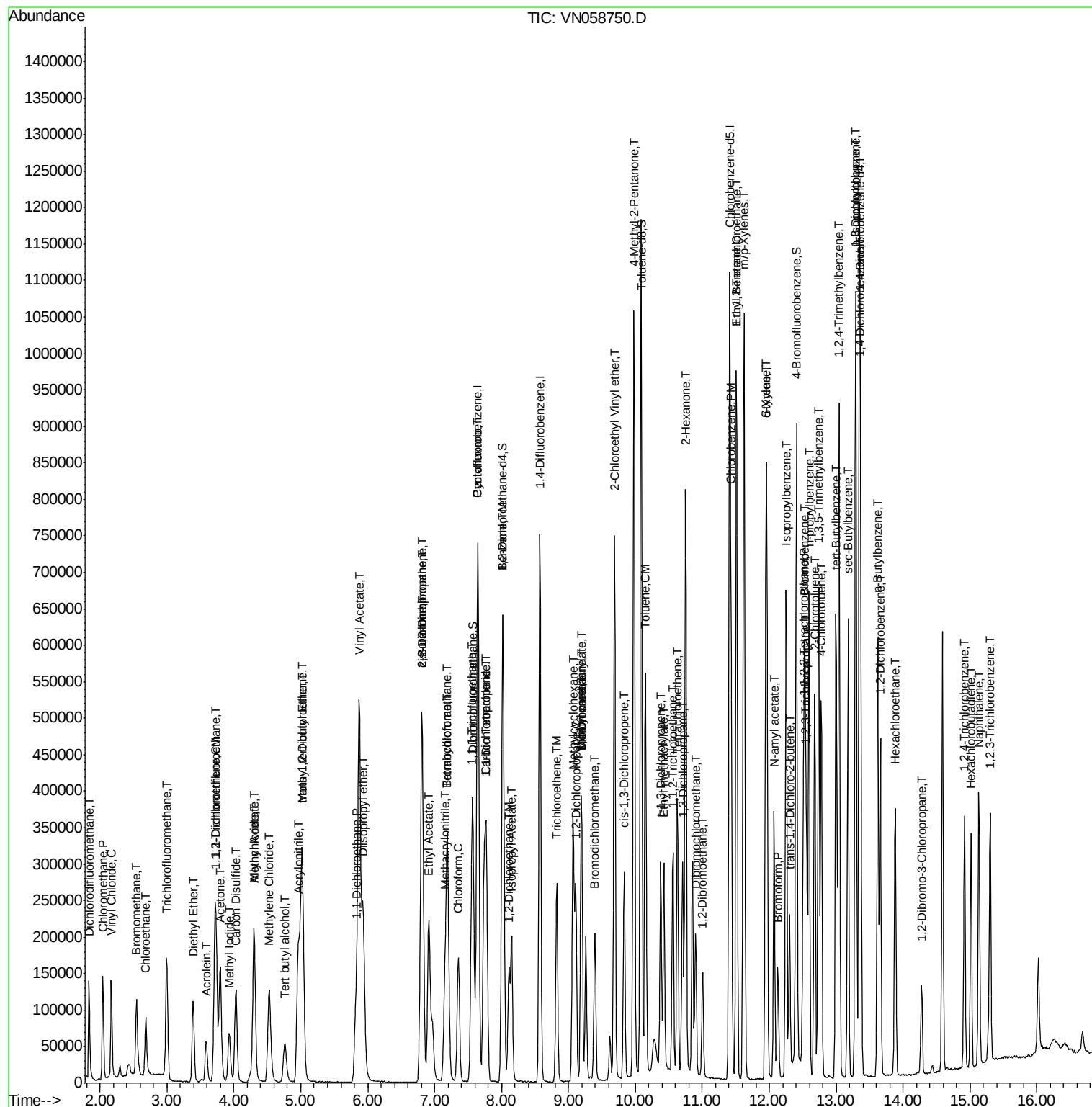
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
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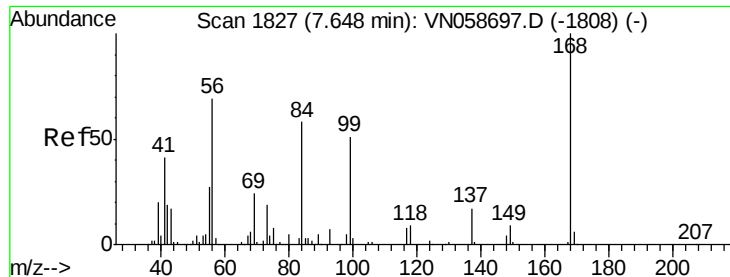
Instrument :
MSVOA_N
ClientSampleId :
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion:168 Resp: 400894

Ion Ratio Lower Upper

168 100

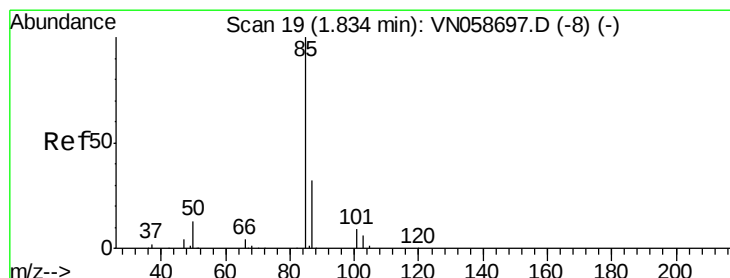
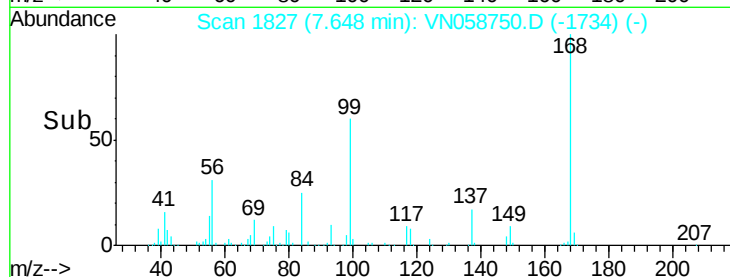
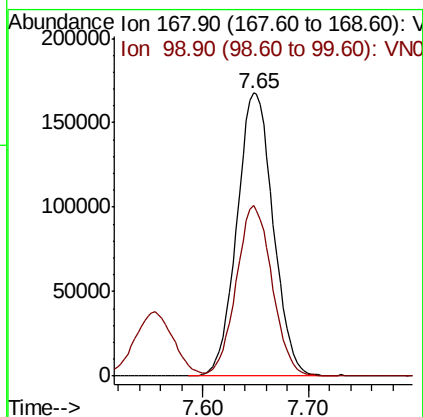
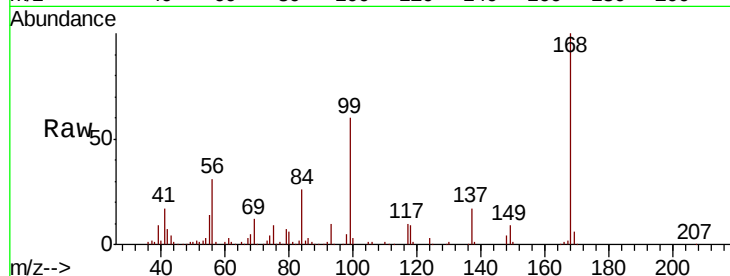
99 59.9 47.5 71.3

Manual Integrations

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10/16/2019 12:57:00 AM



#2

Dichlorodifluoromethane

Concen: 21.702 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN058750.D

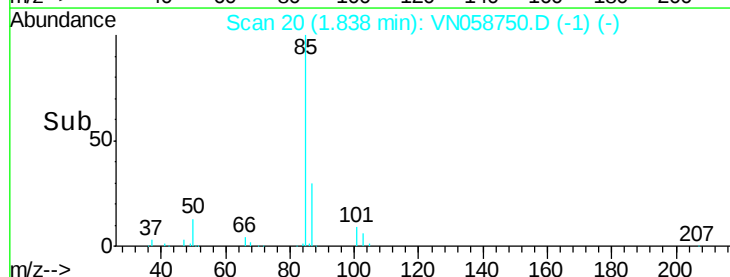
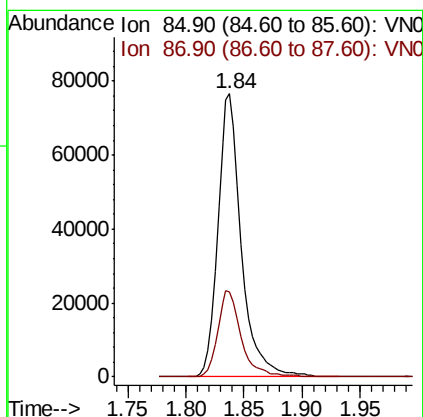
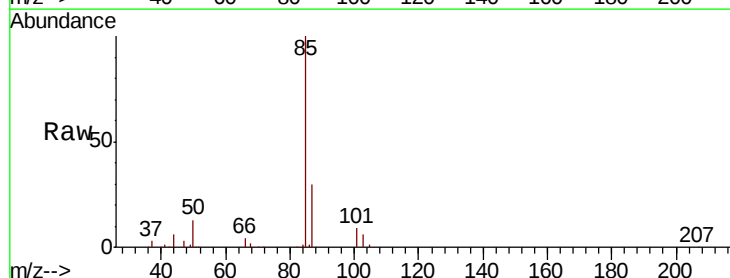
Acq: 14 Oct 2019 15:27

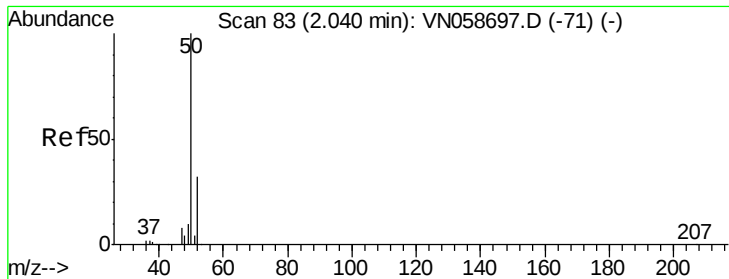
Tgt Ion: 85 Resp: 108358

Ion Ratio Lower Upper

85 100

87 30.2 16.2 48.6





#3

Chloromethane

Concen: 20.675 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion: 50 Resp: 122754

Ion Ratio Lower Upper

50 100

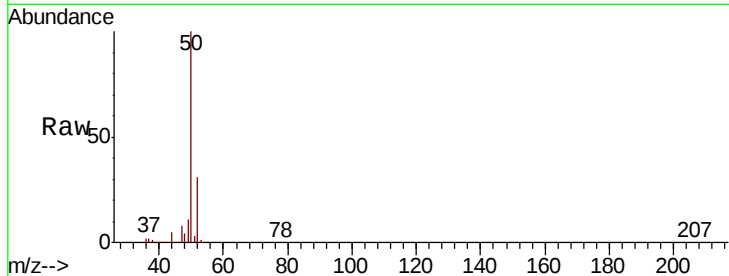
52 31.3 25.8 38.6

Manual Integrations

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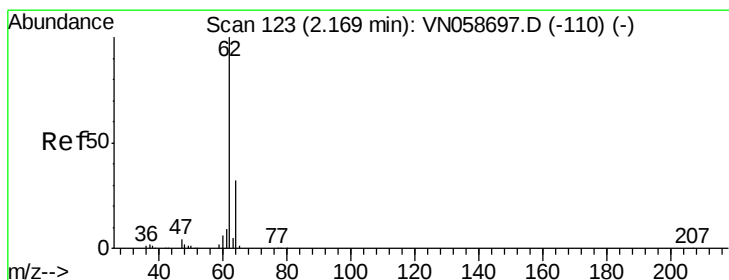
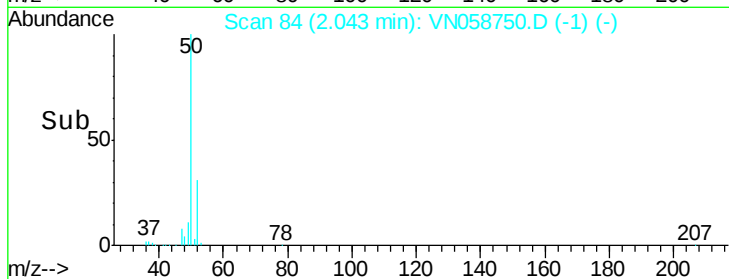
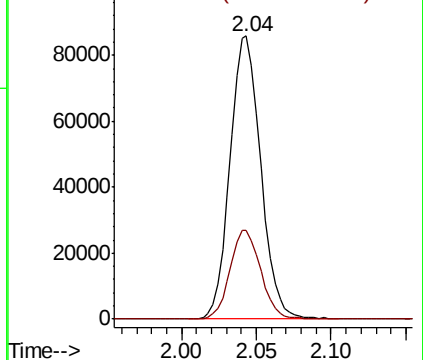
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 20.682 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058750.D

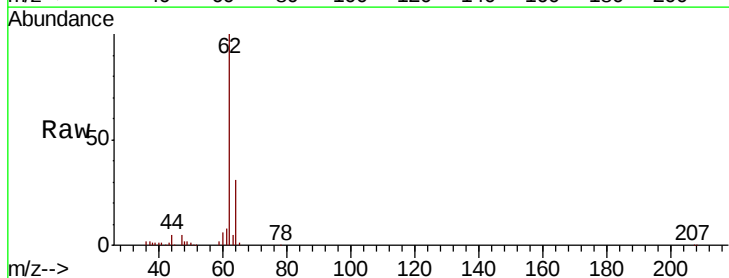
Acq: 14 Oct 2019 15:27

Tgt Ion: 62 Resp: 122299

Ion Ratio Lower Upper

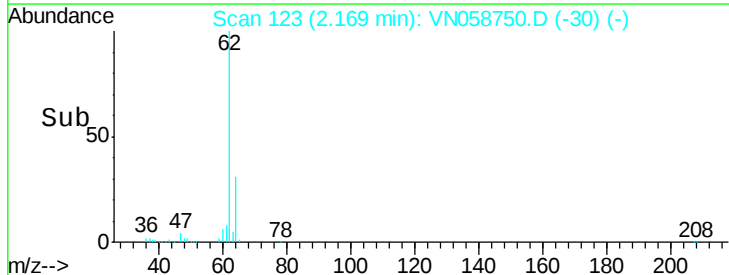
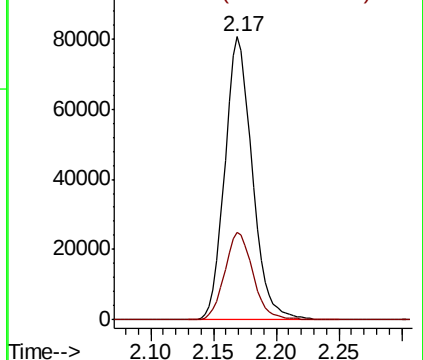
62 100

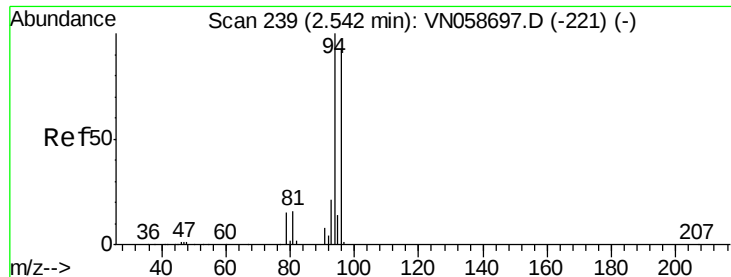
64 30.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 21.279 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

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ClientSampleId :

VN1014WBS01

Tot Ion: 94 Resp: 76547

Ion Ratio Lower Upper

94 100

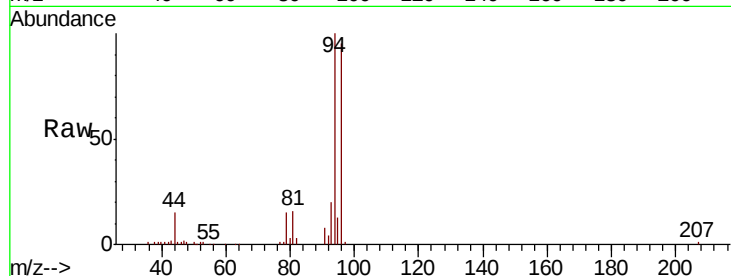
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Manual Integrations

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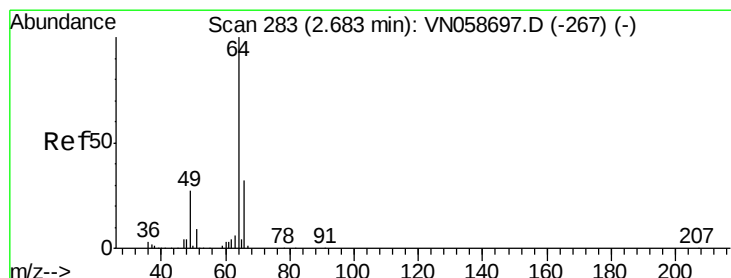
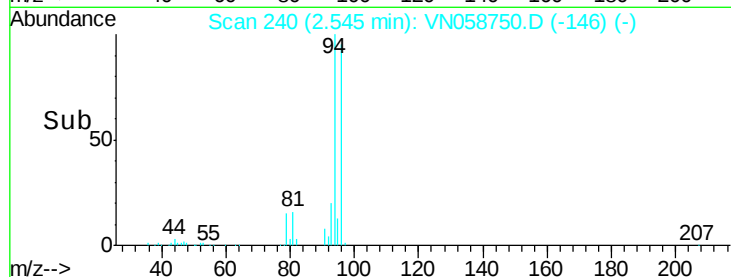
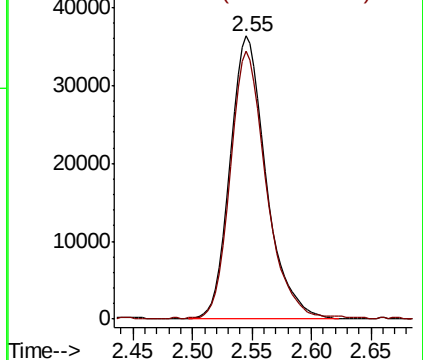
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.189 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058750.D

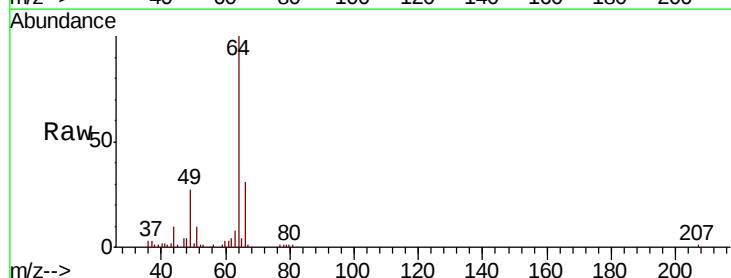
Acq: 14 Oct 2019 15:27

Tgt Ion: 64 Resp: 77286

Ion Ratio Lower Upper

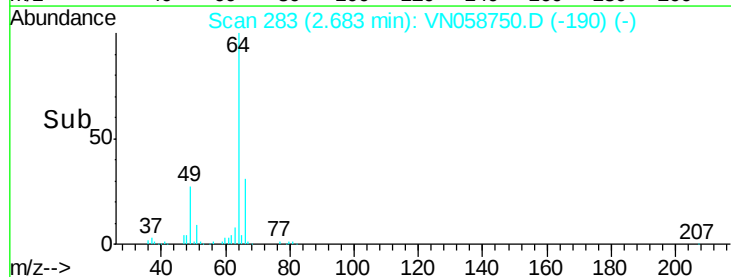
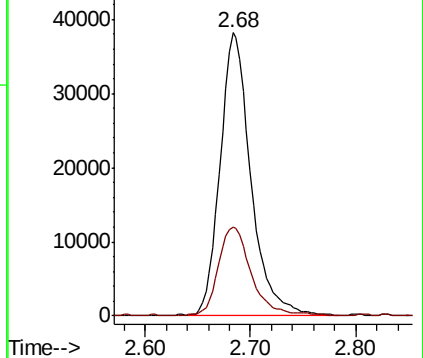
64 100

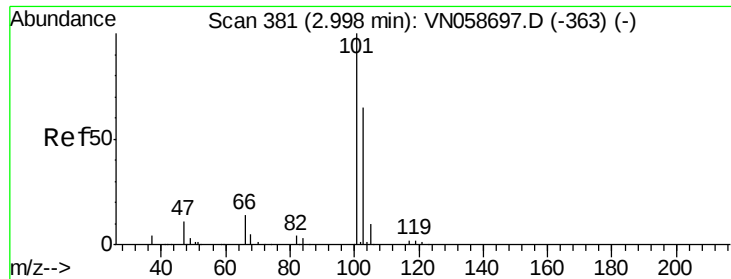
66 31.3 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

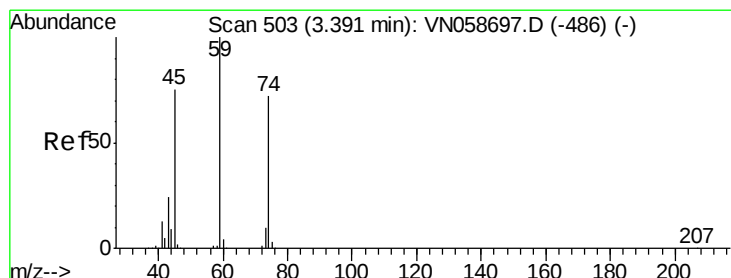
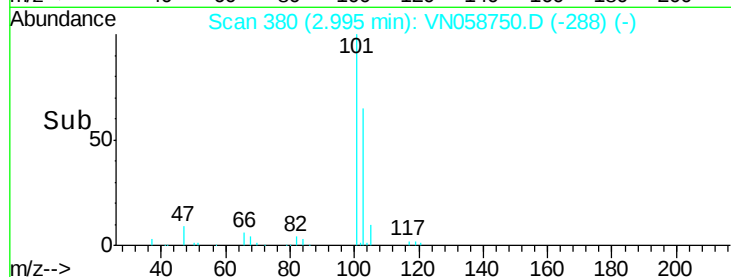
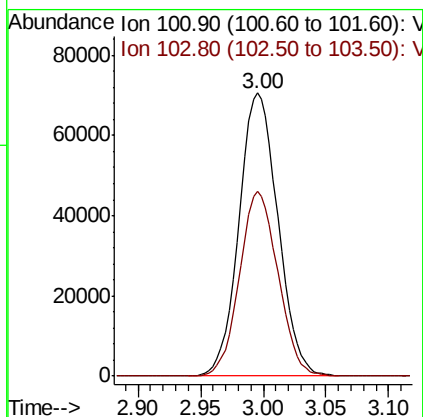
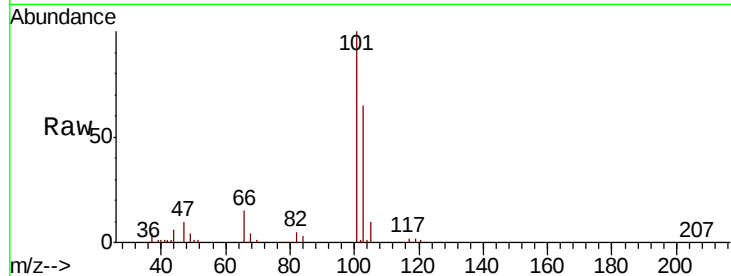
Trichlorofluoromethane
 Concen: 21.502 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.8	77.6

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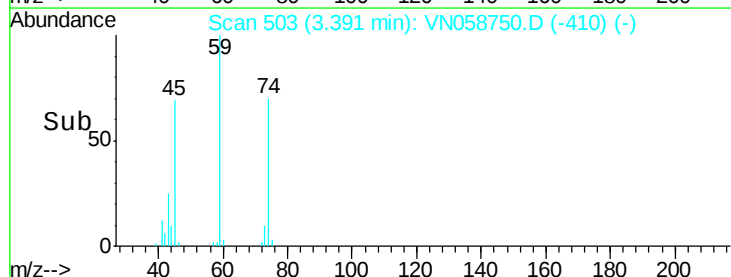
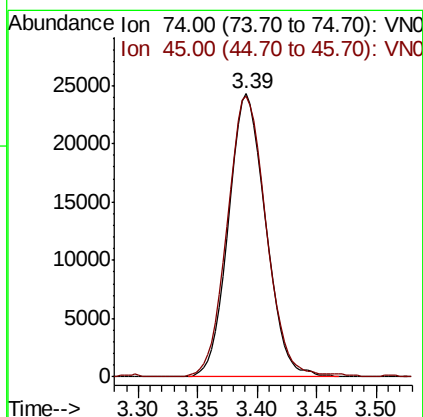
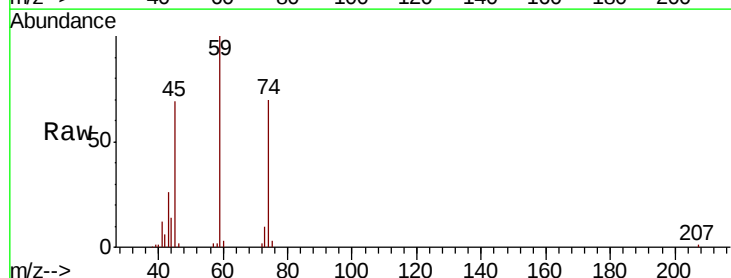
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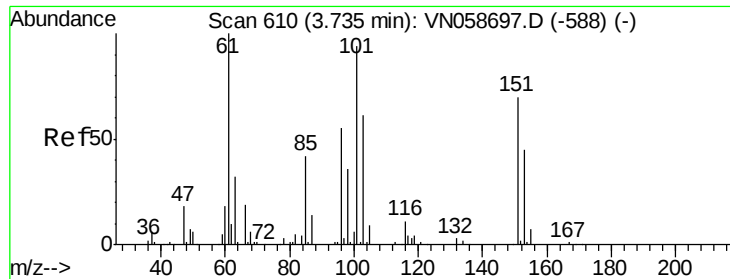


#8

Diethyl Ether
 Concen: 20.134 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.5	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.257 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

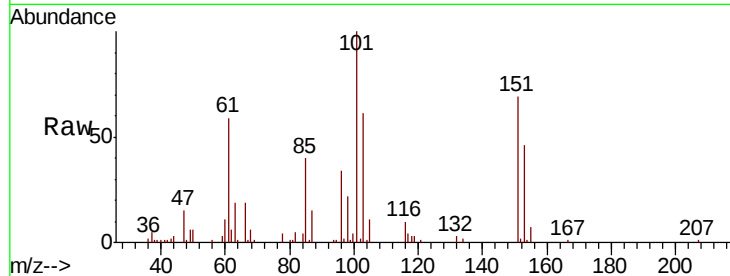
ClientSampleId :

VN1014WBS01

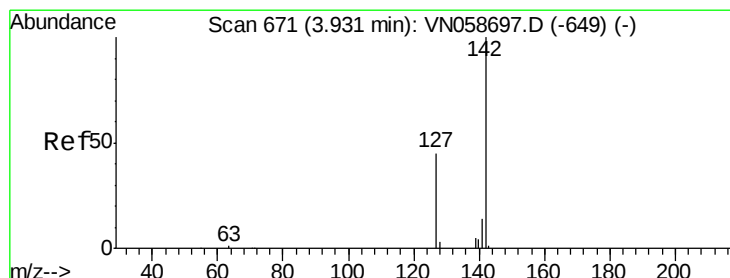
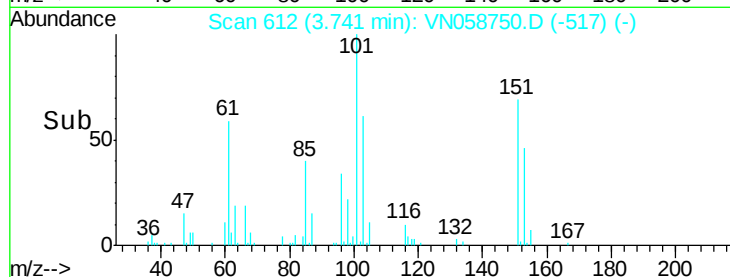
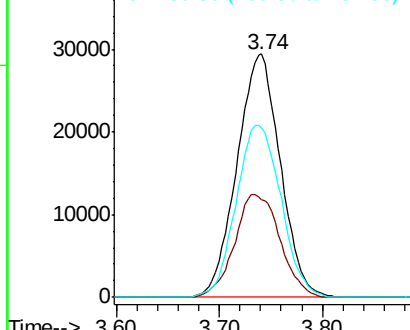
Tot Ion:	101	Resp:	85775
Ion Ratio	Lower	Upper	
101	100		
85	44.4	37.0	55.6
151	73.3	61.8	92.6

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.442 ug/l

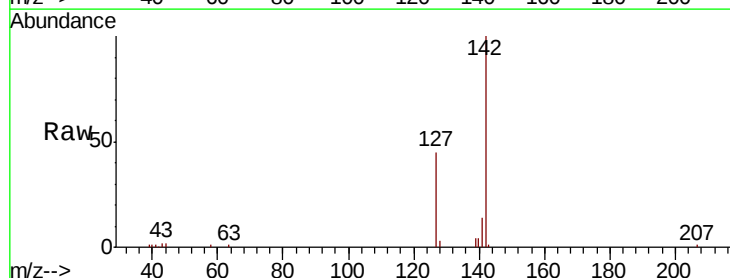
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

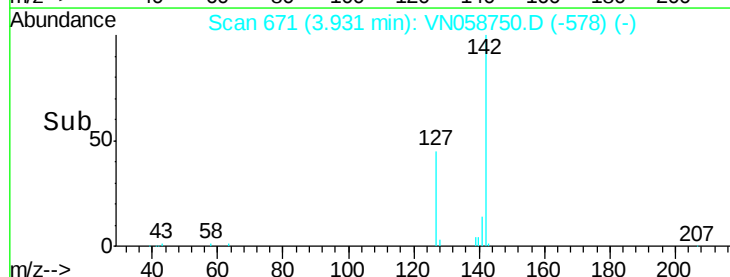
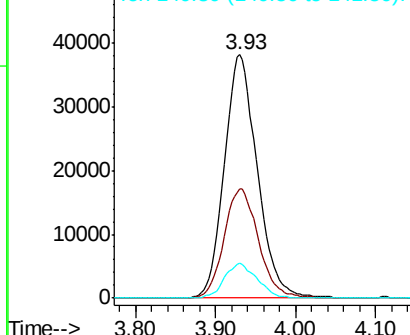
Lab File: VN058750.D

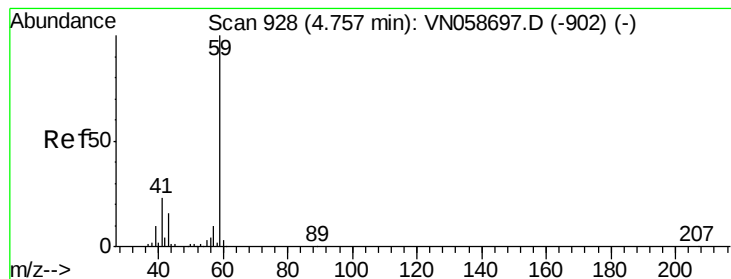
Acq: 14 Oct 2019 15:27

Tgt Ion:	142	Resp:	107056
Ion Ratio	Lower	Upper	
142	100		
127	46.6	36.4	54.6
141	14.1	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

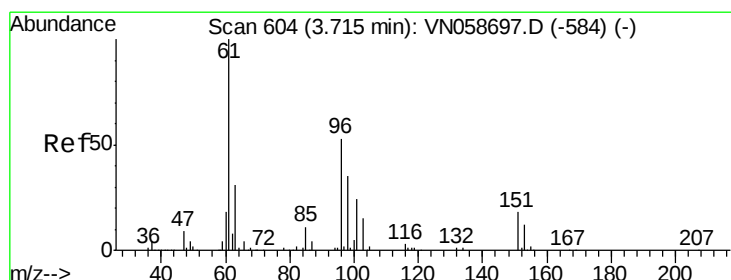
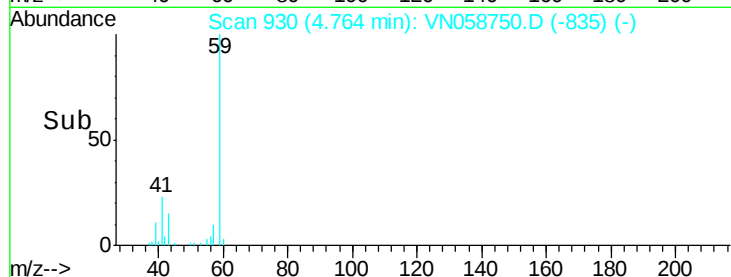
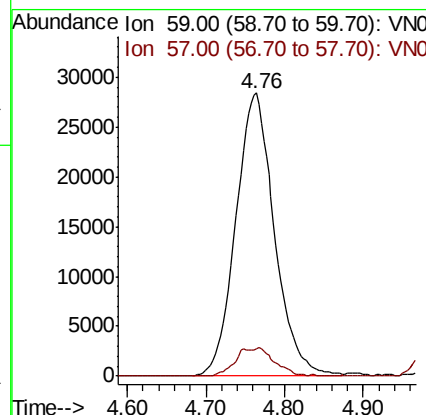
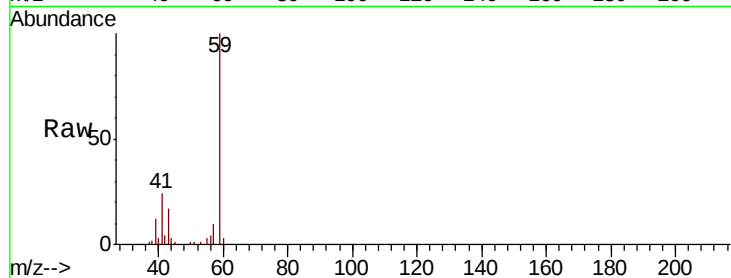
Tert butyl alcohol
 Concen: 107.226 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.9	8.4	12.6#

Manual Integrations
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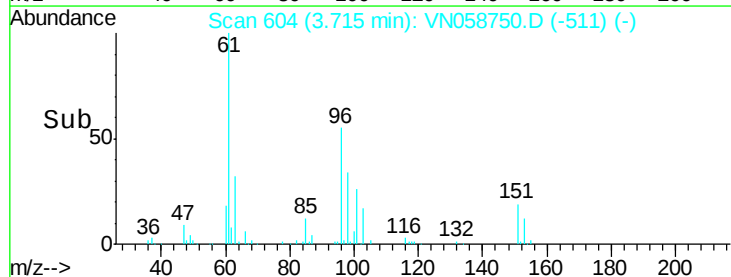
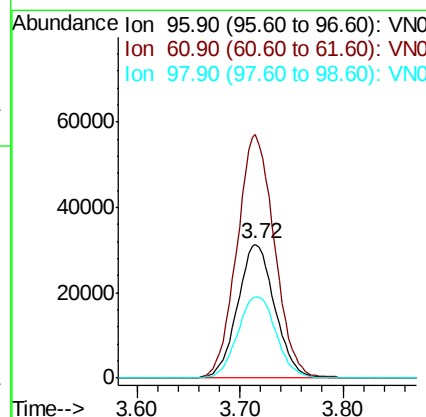
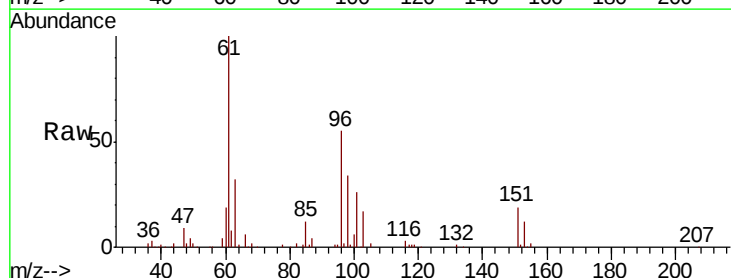
MMDadoda
 10/16/2019 12:57:00 AM

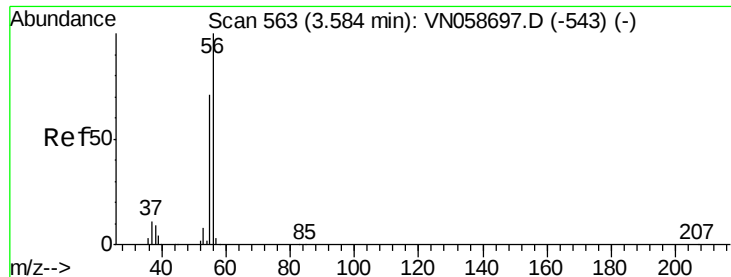


#12

1,1-Dichloroethene
 Concen: 20.434 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.5	151.3	226.9
98	60.9	52.6	78.8





#13

Acrolein

Concen: 84.426 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion: 56 Resp: 61717

Ion Ratio Lower Upper

56 100

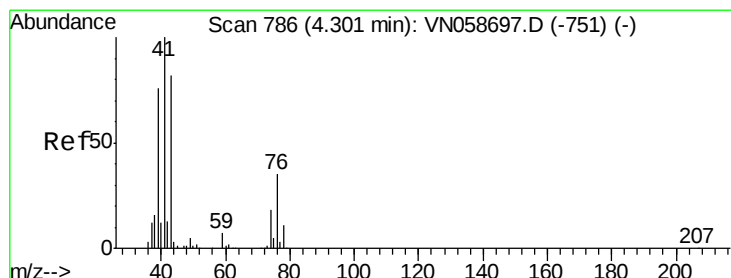
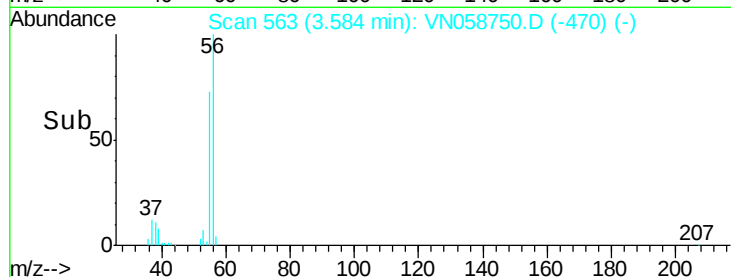
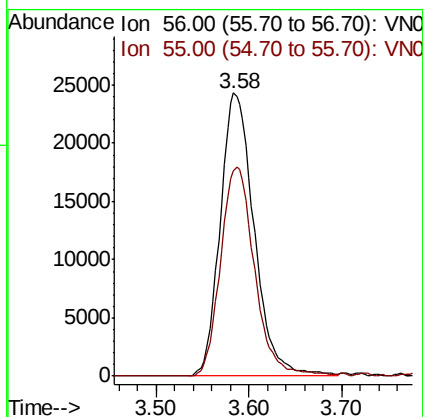
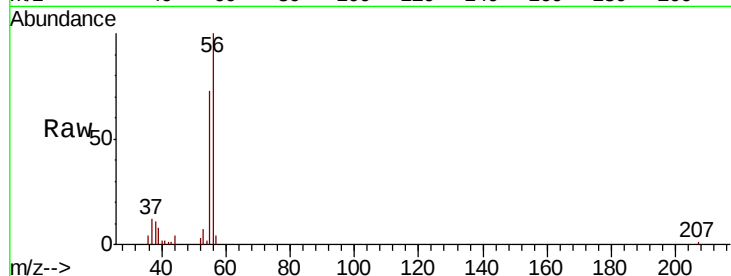
55 73.9 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.912 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

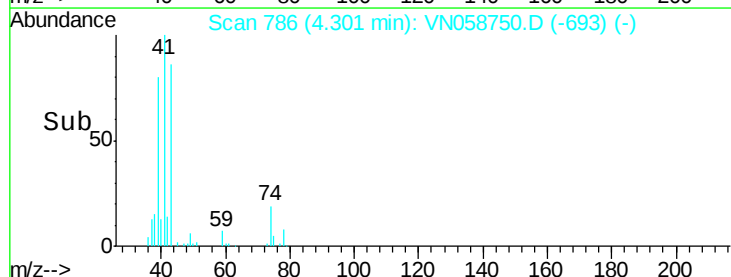
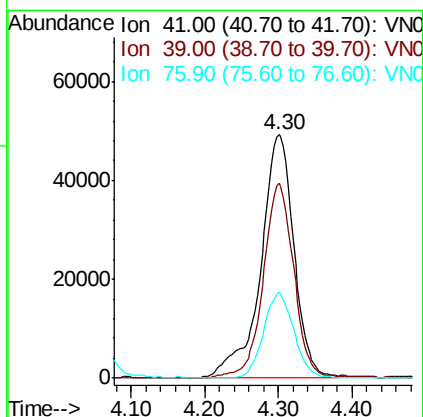
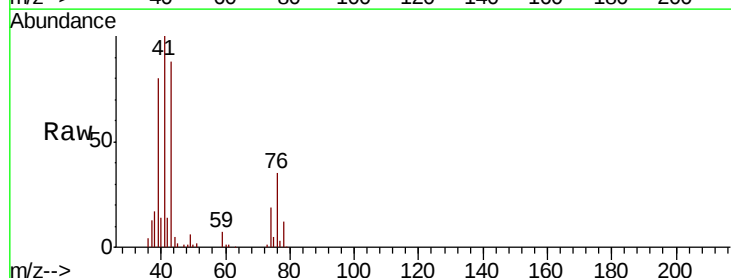
Tgt Ion: 41 Resp: 154706

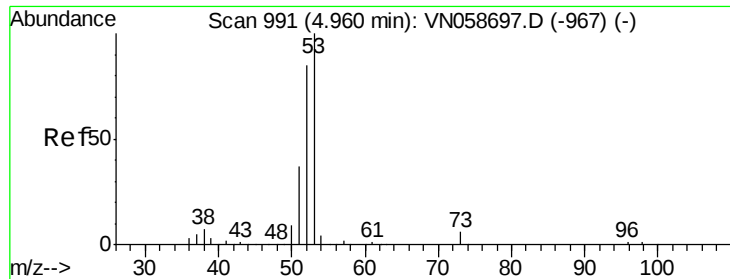
Ion Ratio Lower Upper

41 100

39 73.6 57.2 85.8

76 31.8 25.0 37.6





#15

Acrylonitrile

Concen: 106.633 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

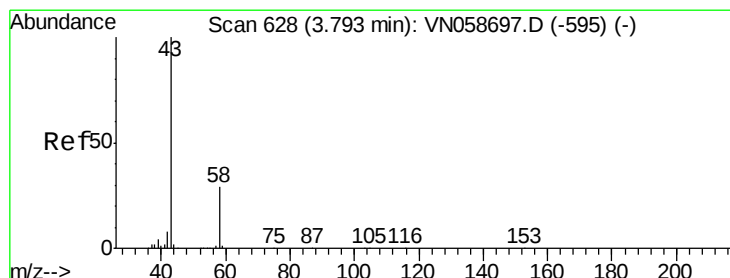
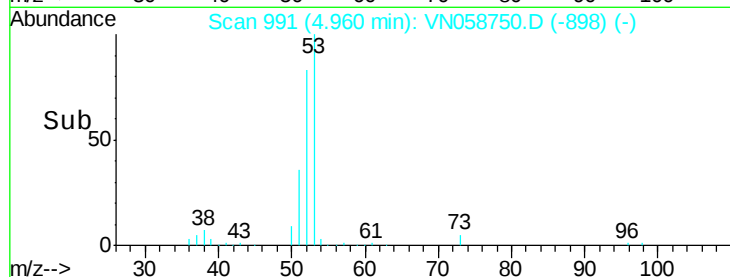
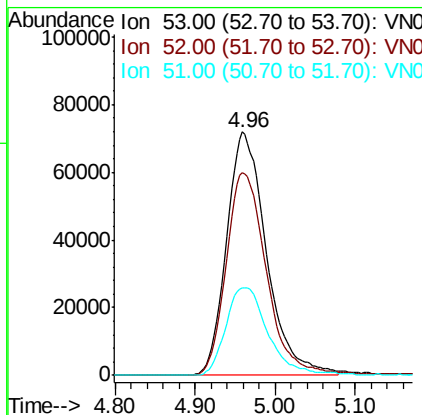
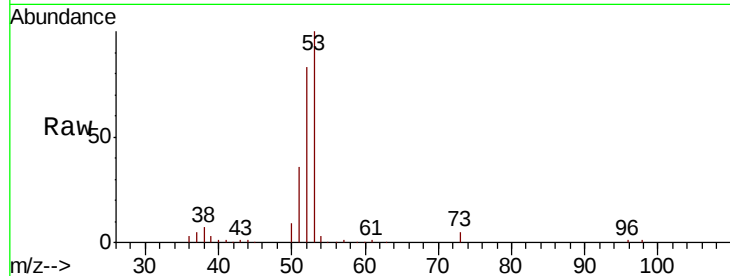
ClientSampleId :

VN1014WBS01

Tot Ion:	53	Resp:	244426
Ion Ratio	Lower	Upper	
53	100		
52	83.7	66.2	99.2
51	38.3	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 112.892 ug/l

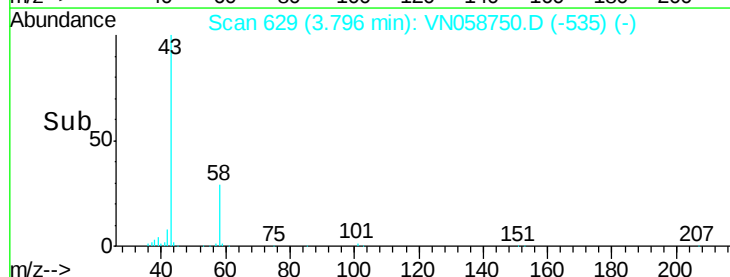
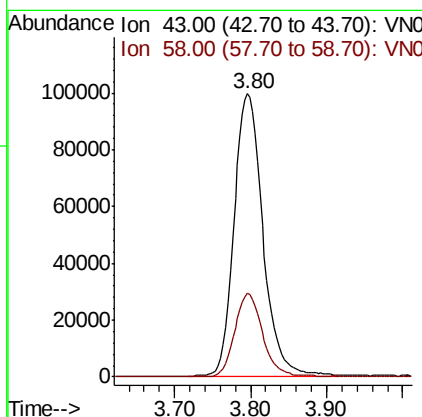
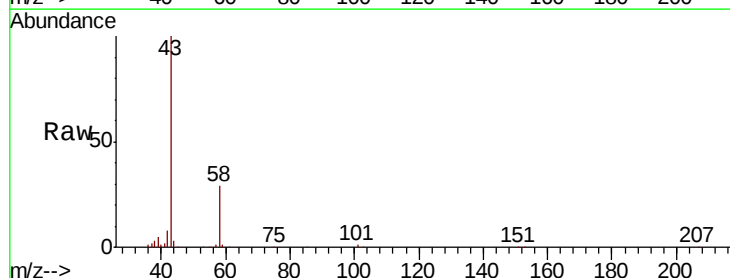
RT: 3.80 min Scan# 629

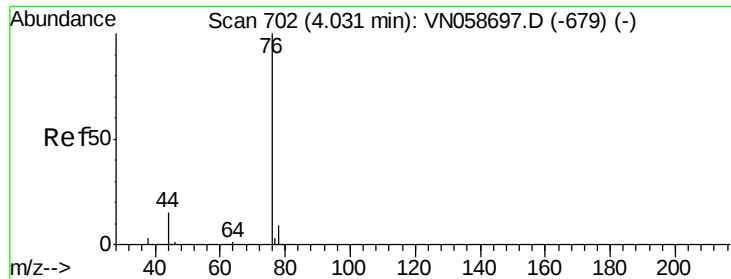
Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Tgt Ion:	43	Resp:	262307
Ion Ratio	Lower	Upper	
43	100		
58	29.4	23.3	34.9





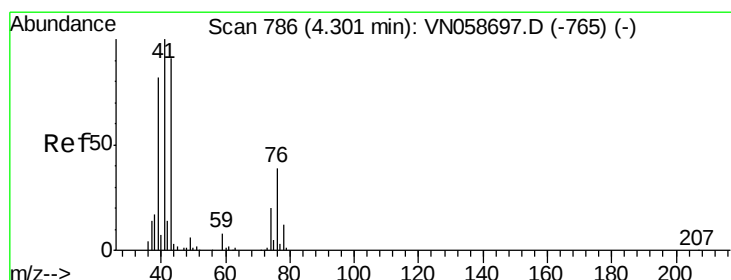
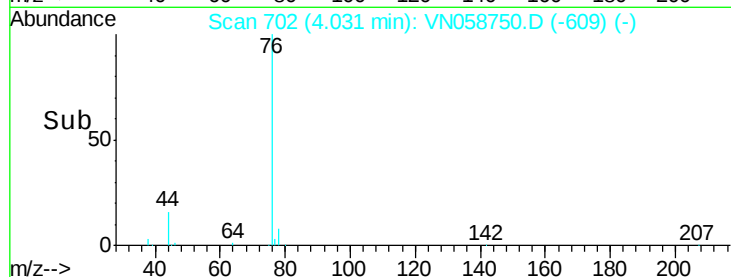
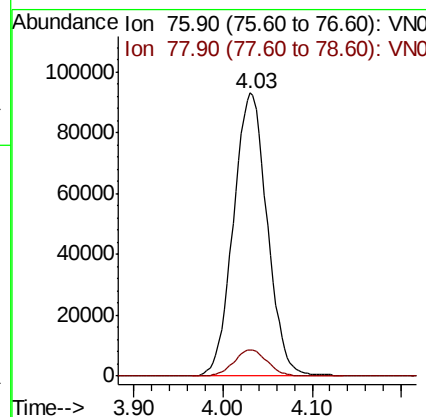
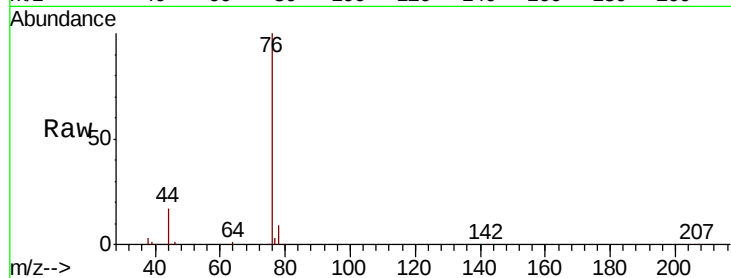
#17
Carbon Disulfide
Concen: 19.881 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

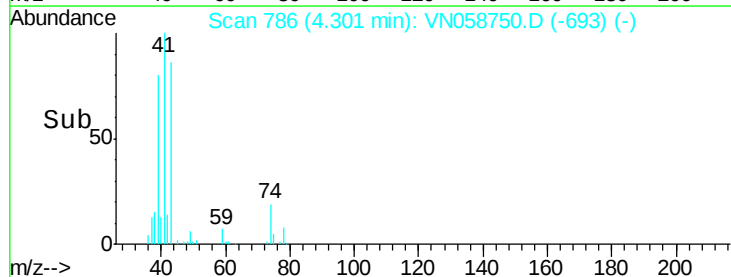
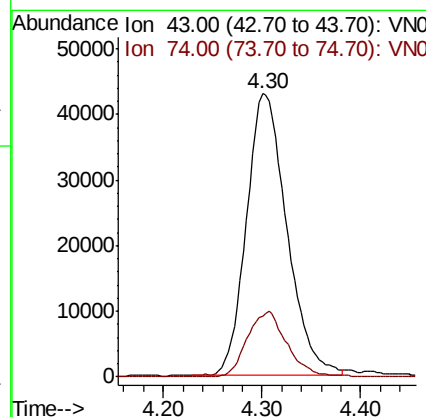
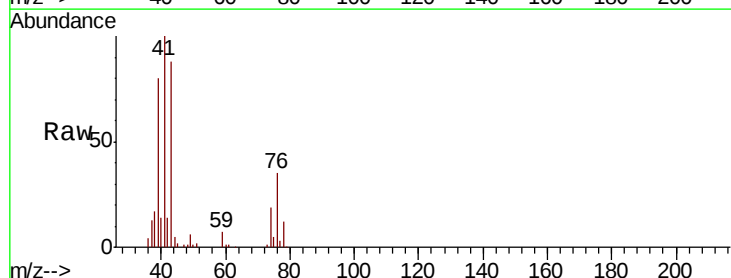
Manual Integrations
APPROVED

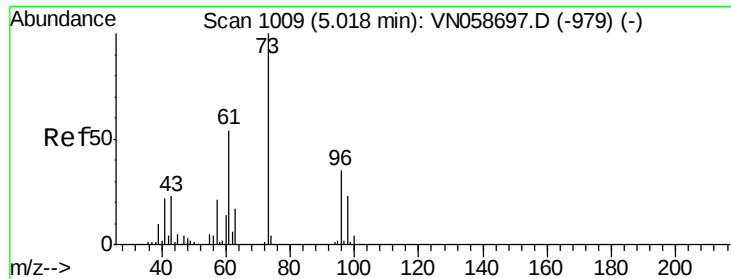
MMDadoda
10/16/2019 12:57:00 AM



#18
Methyl Acetate
Concen: 20.731 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.2	25.8





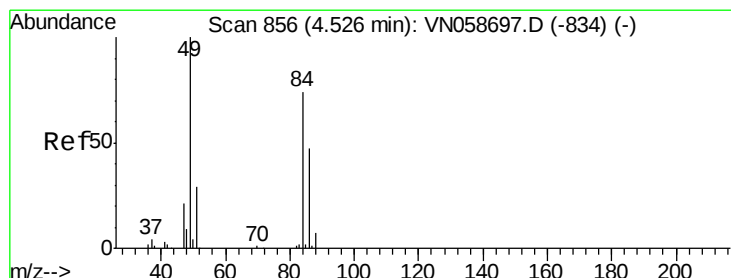
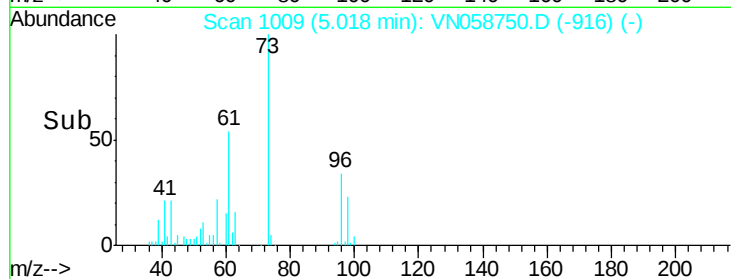
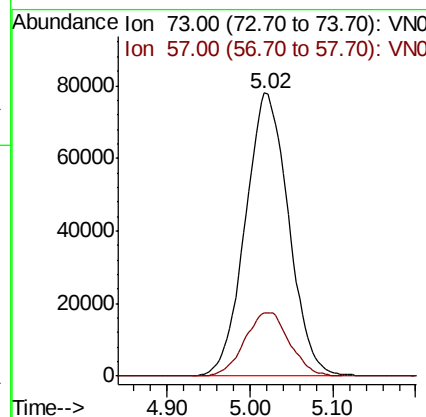
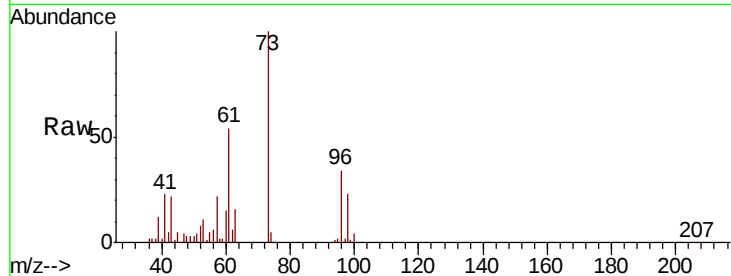
#19
Methvl tert-butvl Ether
Concen: 20.547 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion: 73 Resp: 282478
Ion Ratio Lower Upper
73 100
57 22.3 17.0 25.6

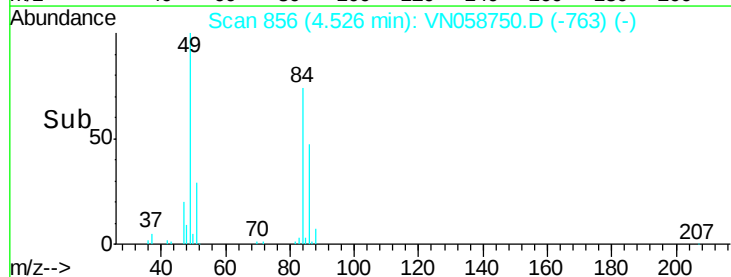
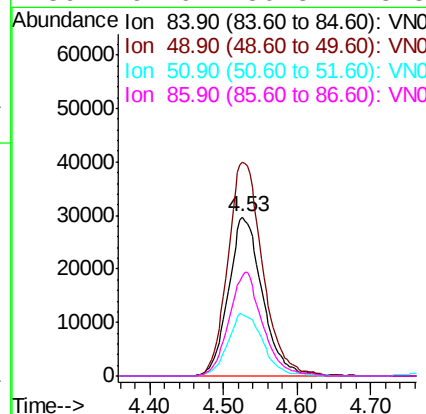
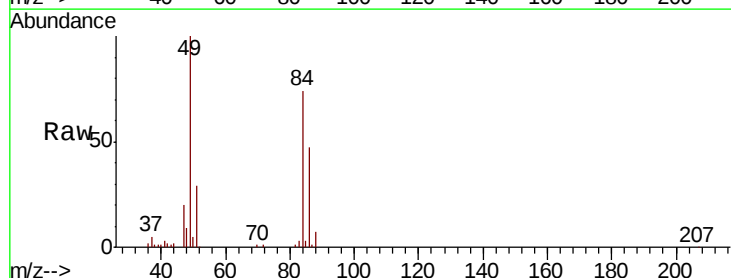
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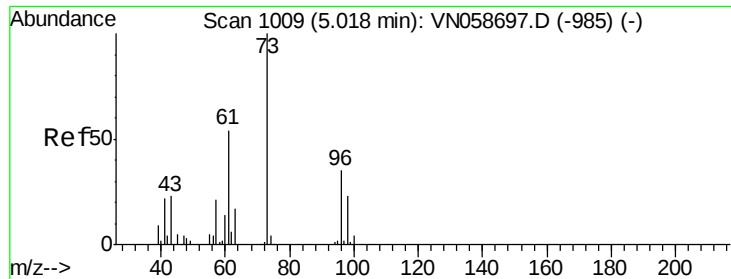
MMDadoda
10/16/2019 12:57:00 AM



#20
Methylene Chloride
Concen: 19.626 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion: 84 Resp: 95303
Ion Ratio Lower Upper
84 100
49 134.5 107.6 161.4
51 39.0 31.4 47.0
86 62.9 50.3 75.5





#21

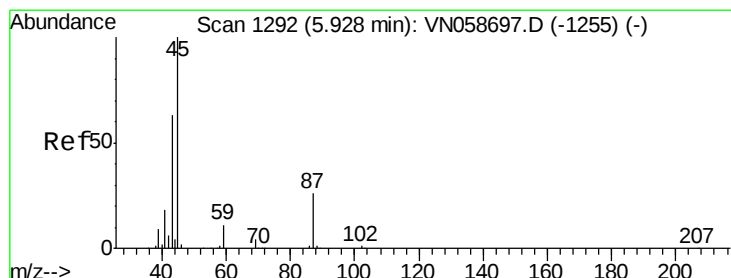
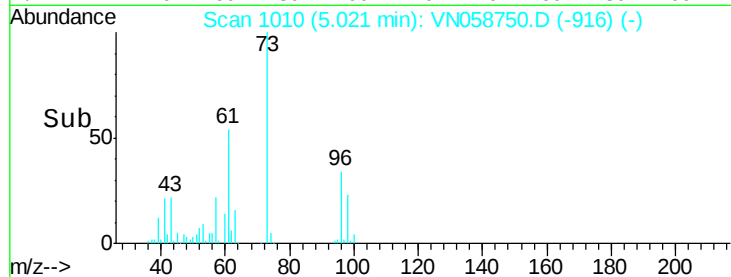
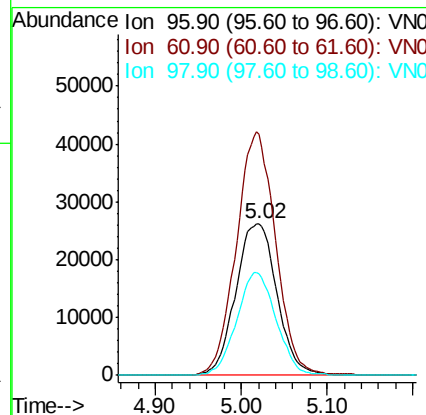
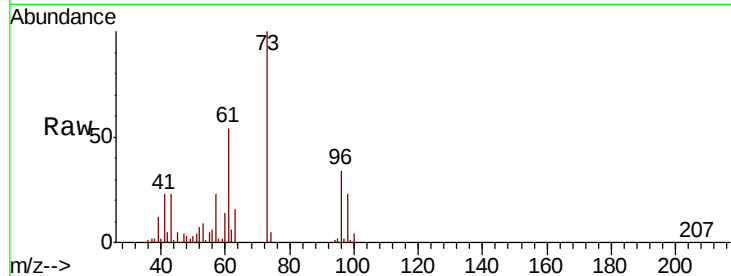
trans-1,2-Dichloroethene
Concen: 20.240 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.4	123.6	185.4
98	66.7	52.1	78.1

Manual Integrations
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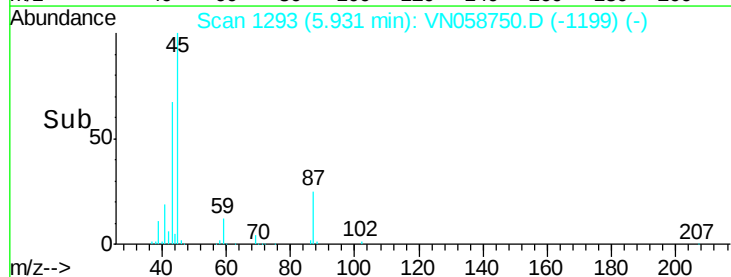
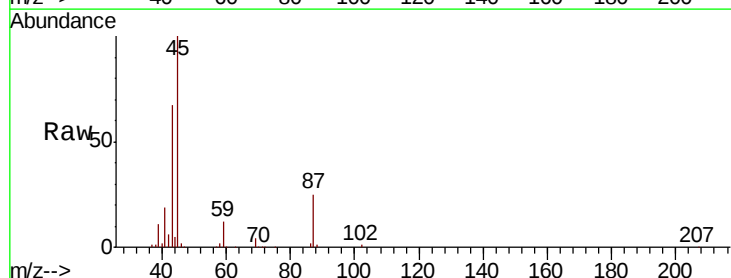
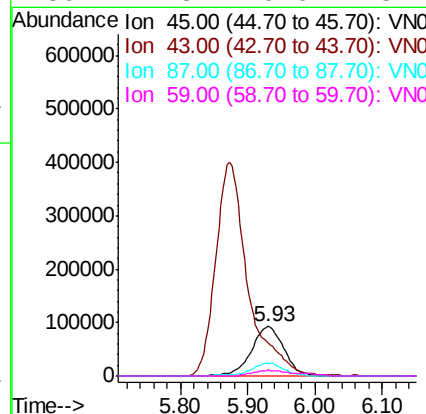
MMDadoda
10/16/2019 12:57:00 AM

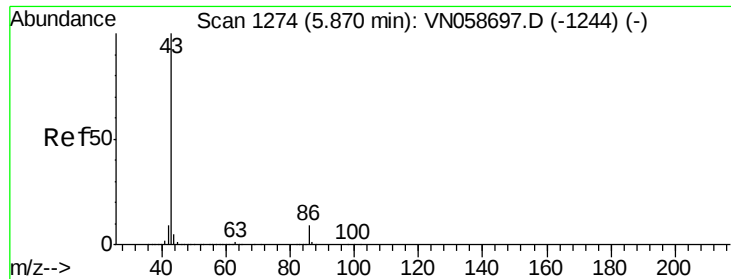


#22

Diisopropyl ether
Concen: 20.761 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.0	50.6	75.8
87	25.5	21.1	31.7
59	11.3	9.0	13.4





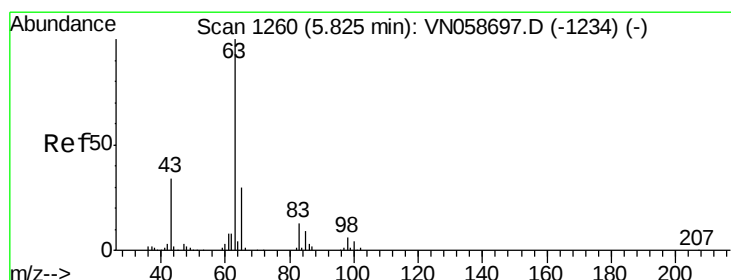
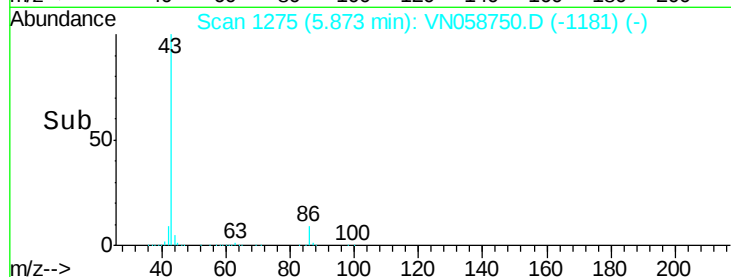
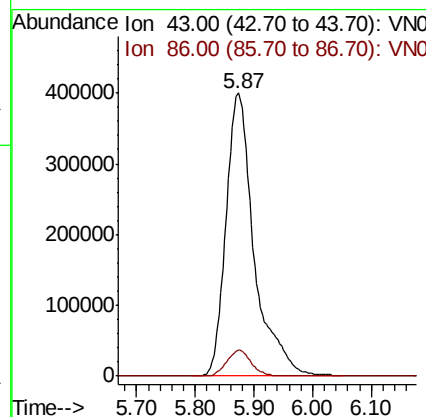
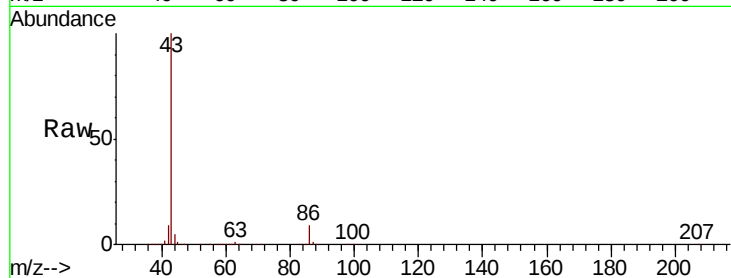
#23
 Vinyl Acetate
 Concen: 109.489 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Tot Ion: 43 Resp: 1334622
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.4 11.0

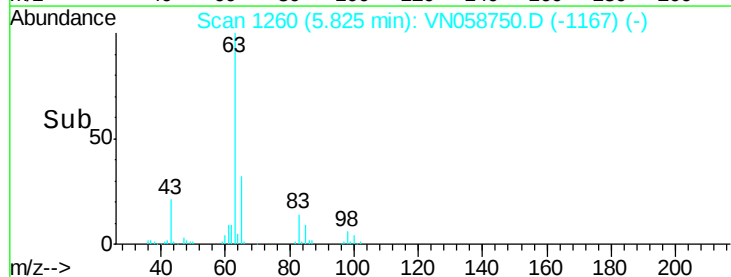
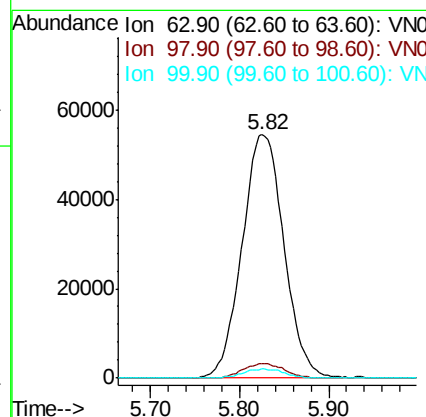
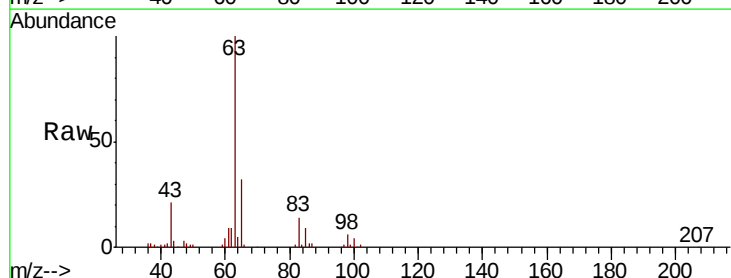
Manual Integrations
 APPROVED

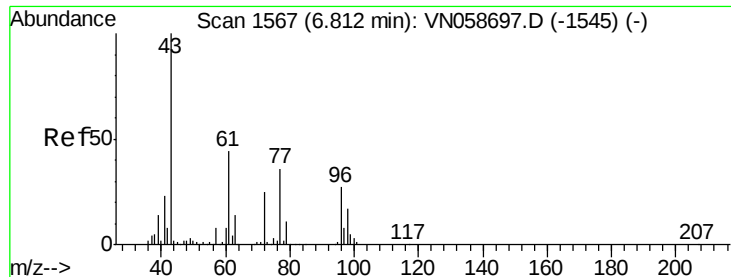
MMDadoda
 10/16/2019 12:57:00 AM



#24
 1,1-Dichloroethane
 Concen: 20.644 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Tgt Ion: 63 Resp: 177620
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.6
 100 3.8 1.8 5.5





#25

2-Butanone

Concen: 106.032 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion: 43 Resp: 356097

Ion Ratio Lower Upper

43 100

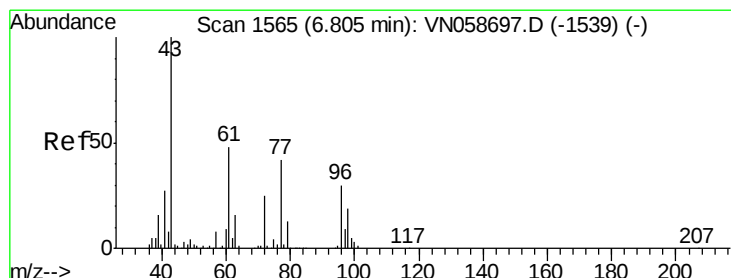
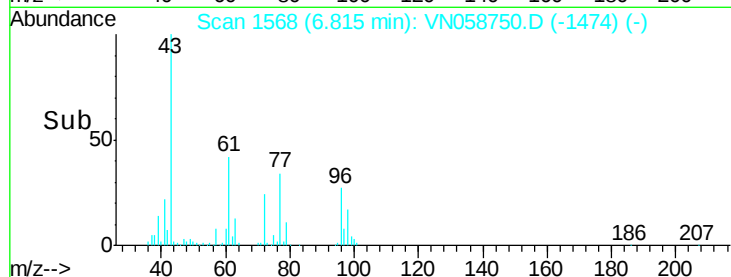
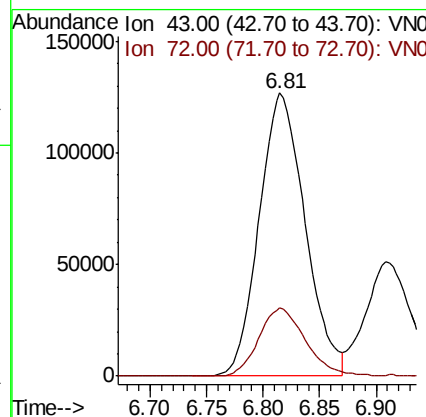
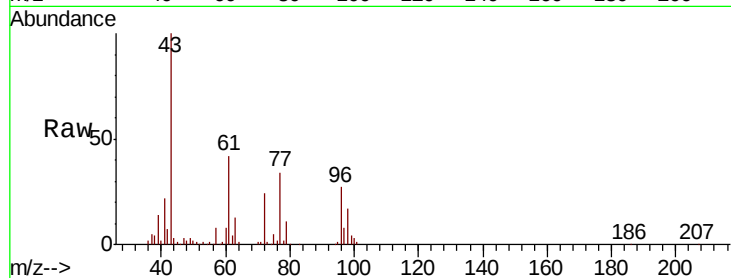
72 24.1 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 19.891 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058750.D

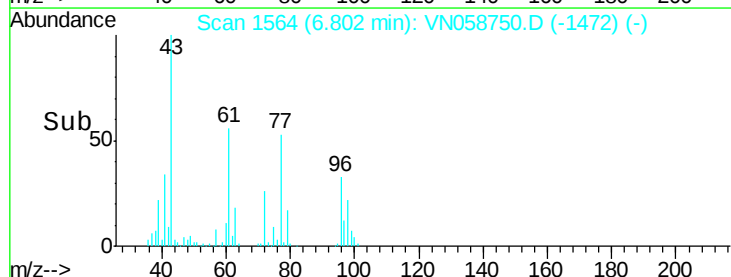
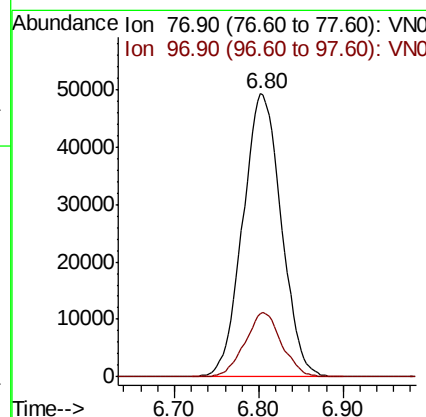
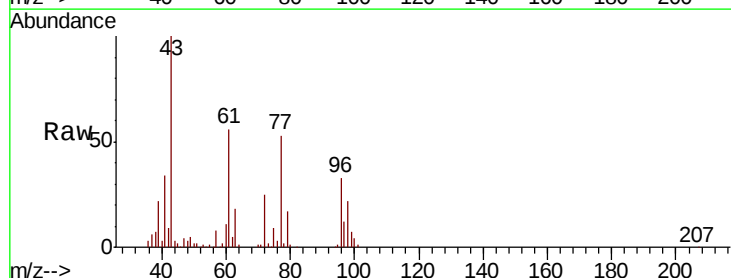
Acq: 14 Oct 2019 15:27

Tgt Ion: 77 Resp: 156222

Ion Ratio Lower Upper

77 100

97 21.5 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.999 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

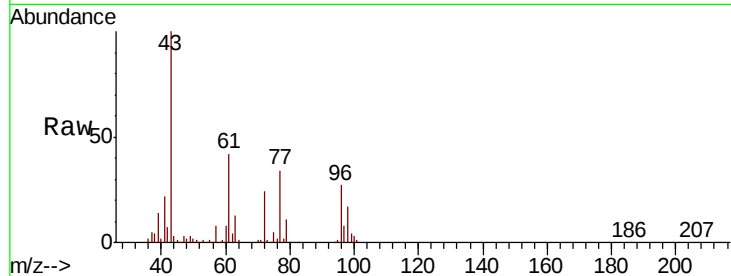
ClientSampleId :

VN1014WBS01

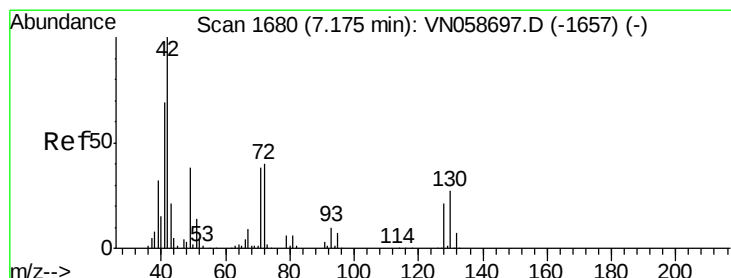
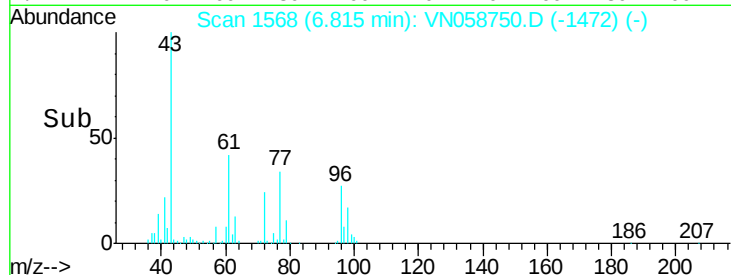
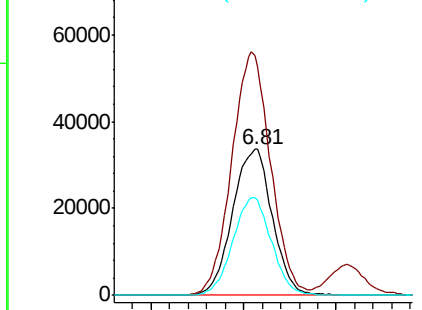
Tot Ion:	96	Resp:	100435
Ion Ratio	Lower	Upper	
96	100		
61	162.4	0.0	324.8
98	64.5	0.0	129.2

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Abundance Ion 95.90 (95.60 to 96.60): VN058750.D (-1472) (-)



#28

Bromochloromethane

Concen: 21.009 ug/l

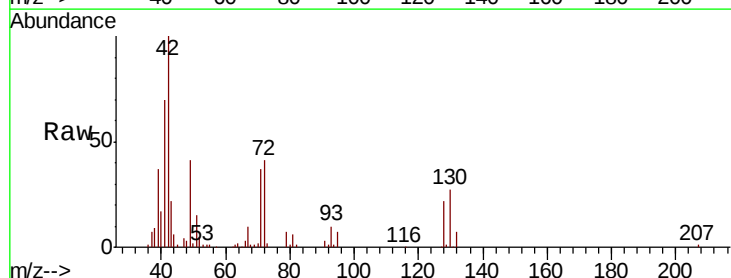
RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

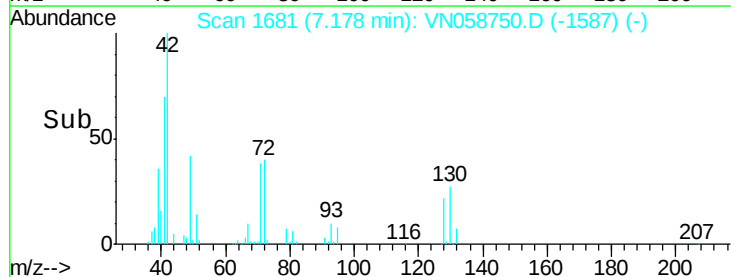
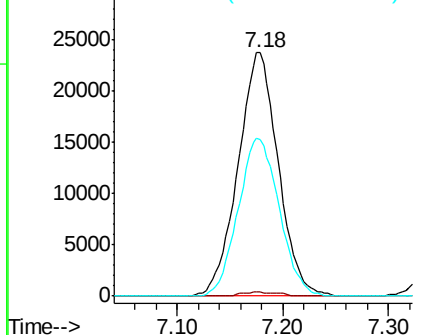
Lab File: VN058750.D

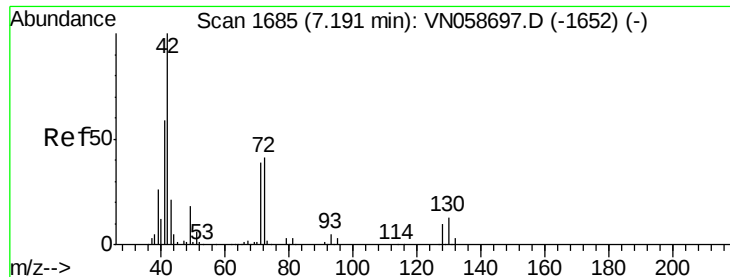
Acq: 14 Oct 2019 15:27

Tgt Ion:	49	Resp:	62885
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	3.6
130	66.0	55.0	82.4



Abundance Ion 48.90 (48.60 to 49.60): VN058750.D (-1587) (-)





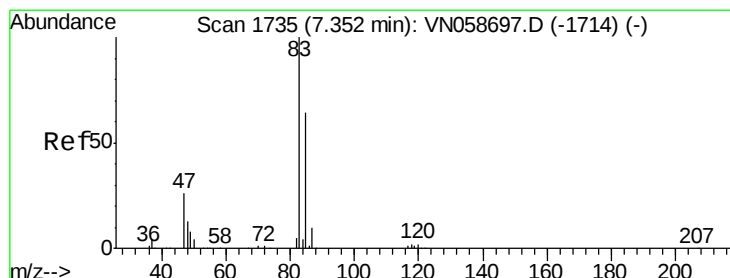
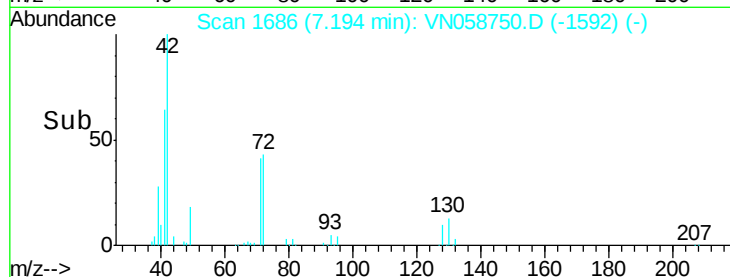
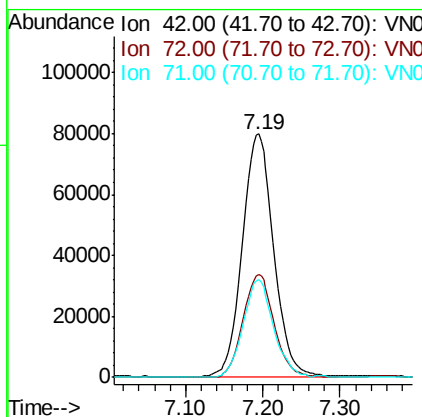
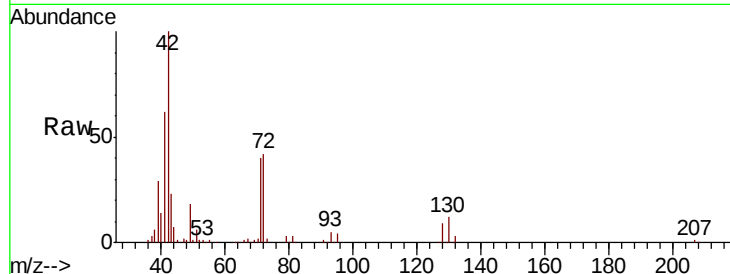
#29
Tetrahydrofuran
Concen: 103.780 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	32.8	49.2
71	39.0	31.1	46.7

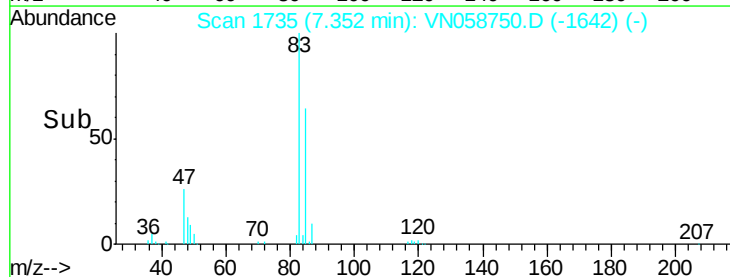
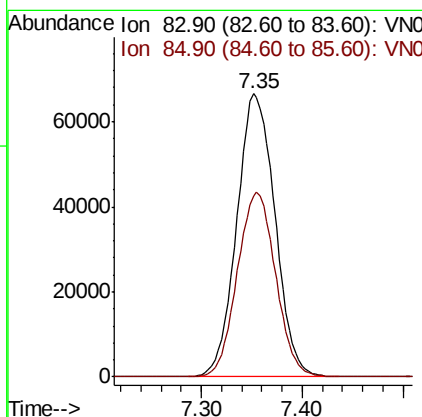
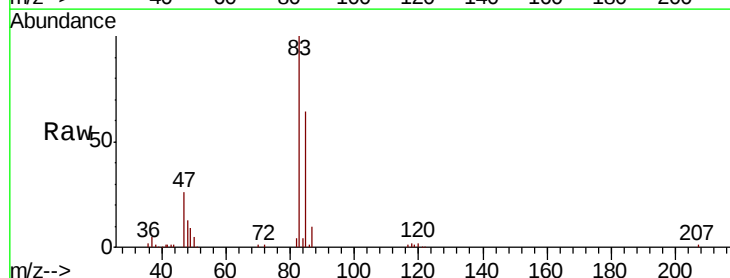
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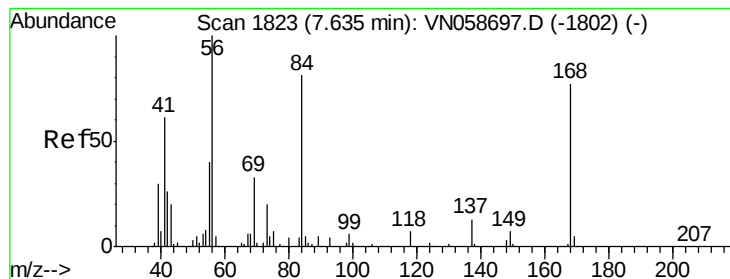
MMDadoda
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#30
Chloroform
Concen: 20.239 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.0	76.6





#31

Cyclohexane

Concen: 19.907 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

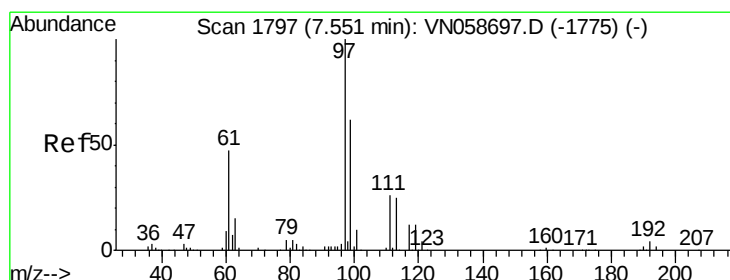
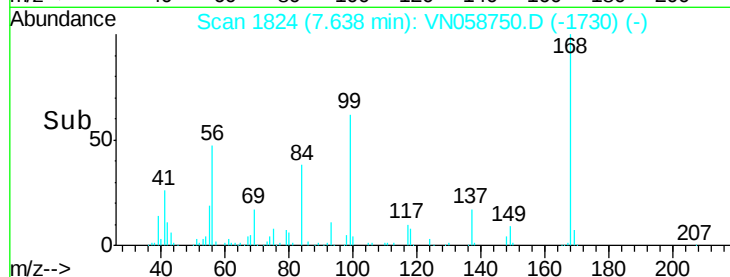
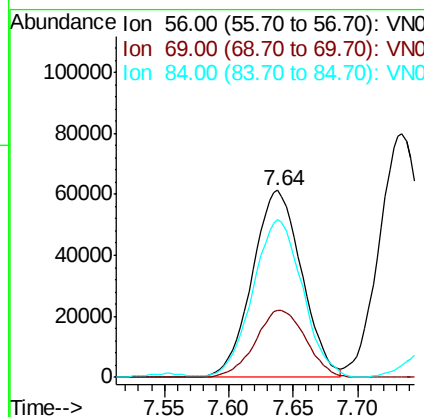
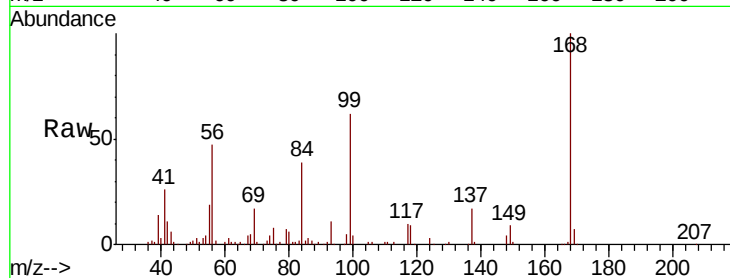
ClientSampleId :

VN1014WBS01

Tot Ion:	56	Resp:	163880
Ion Ratio	Lower	Upper	
56	100		
69	35.9	26.2	39.4
84	83.6	64.9	97.3

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#32

1,1,1-Trichloroethane

Concen: 21.069 ug/l

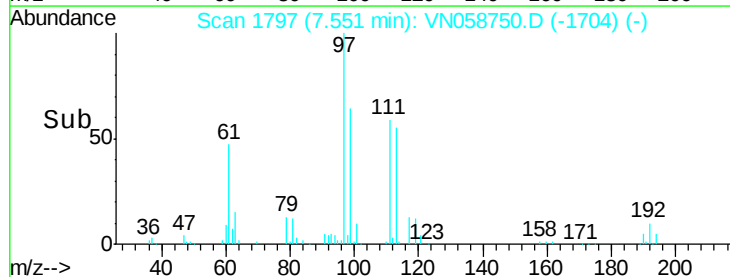
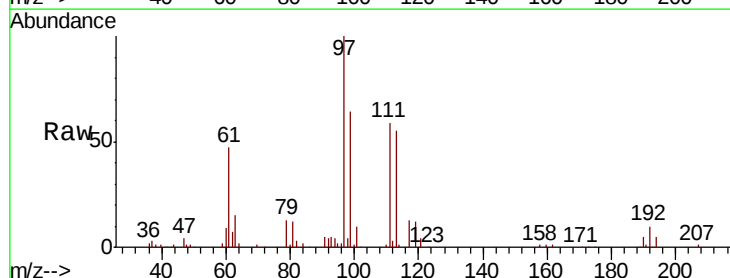
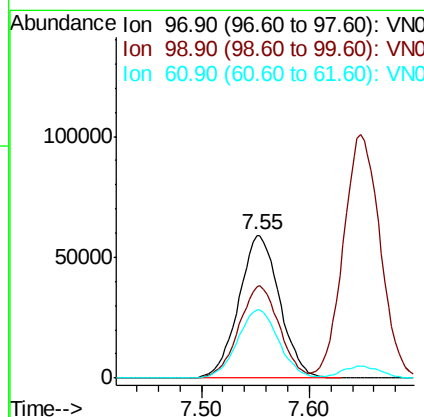
RT: 7.55 min Scan# 1797

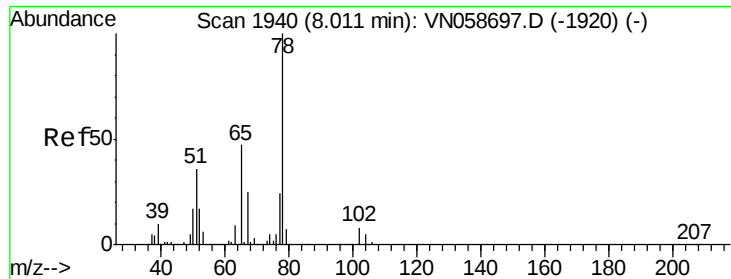
Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Tgt Ion:	97	Resp:	155322
Ion Ratio	Lower	Upper	
97	100		
99	64.0	50.8	76.2
61	48.4	38.1	57.1





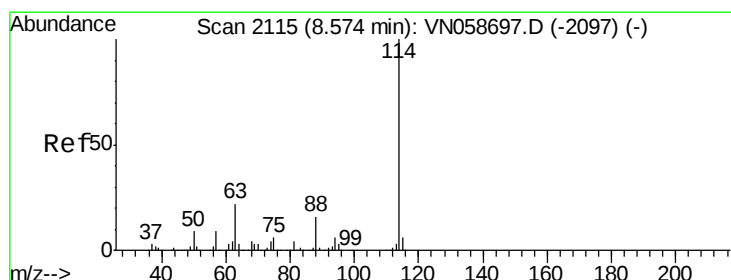
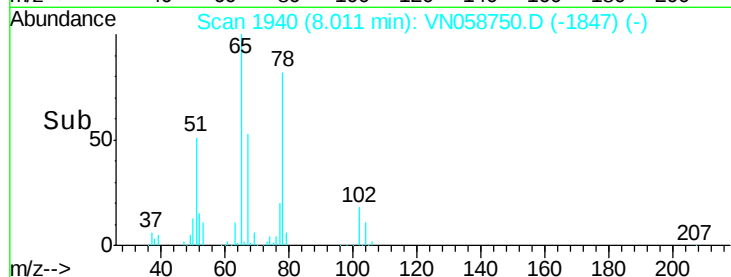
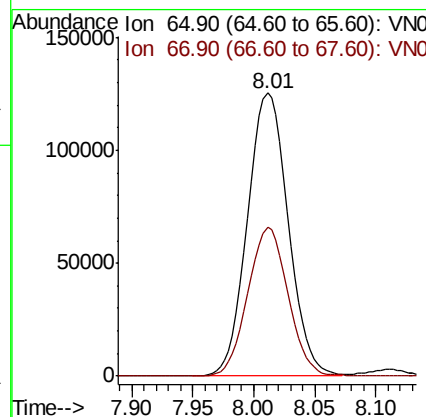
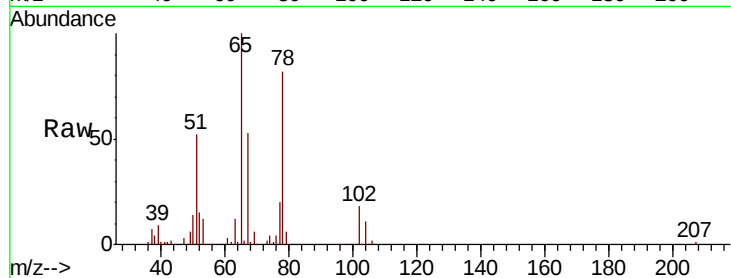
#33
 1,2-Dichloroethane-d4
 Concen: 51.690 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN1014WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	290106		
67	52.0	0.0	103.8	

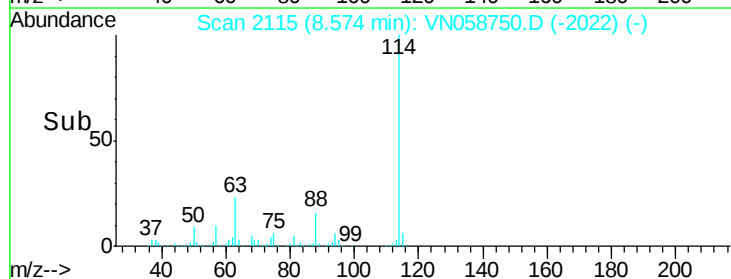
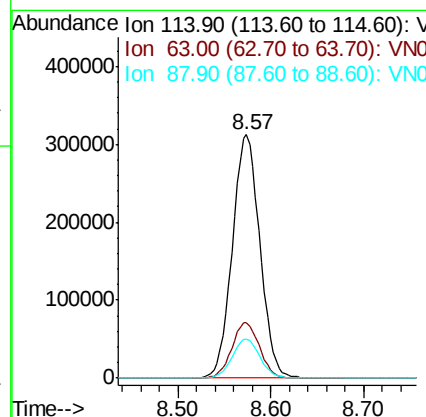
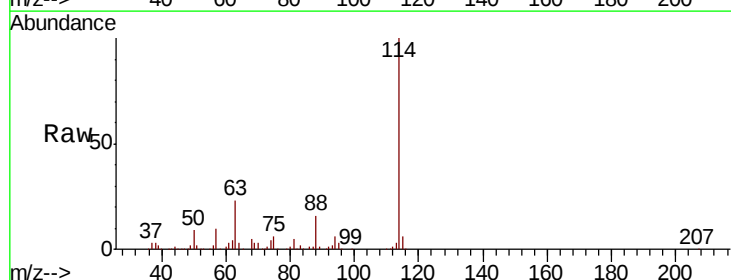
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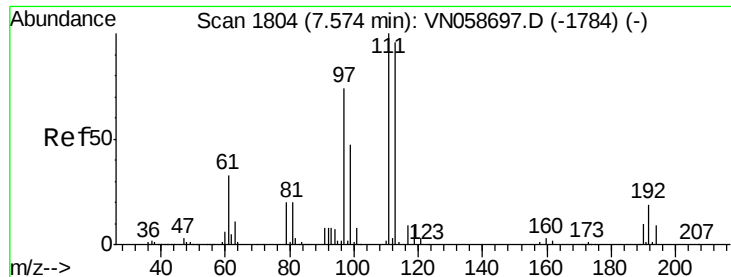
MMDadoda
 10/16/2019 12:57:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	642797		
63	22.6	0.0	43.8	
88	16.1	0.0	32.0	





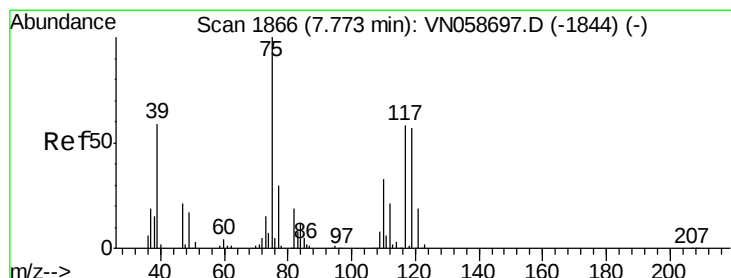
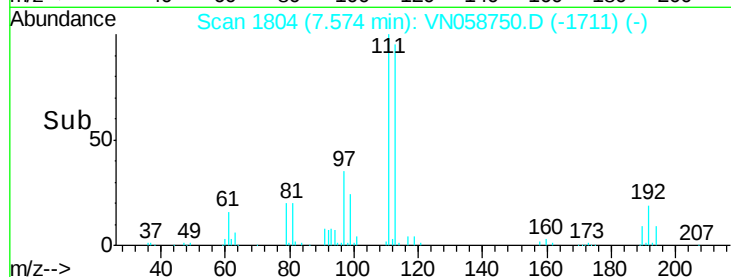
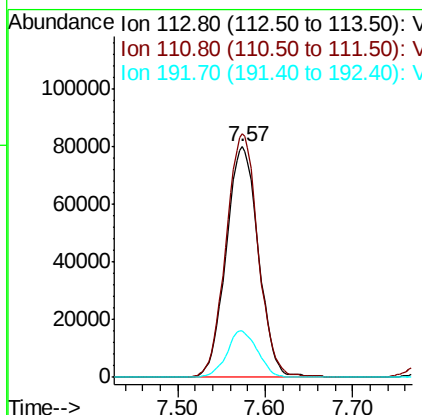
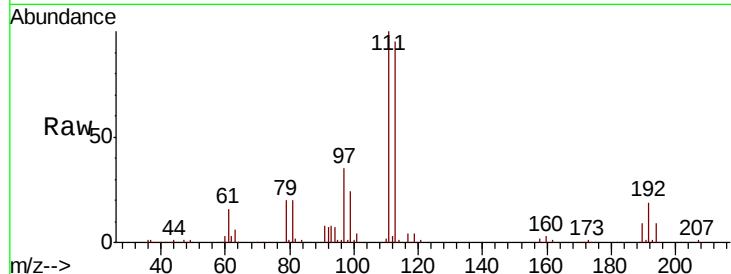
#35
 Dibromofluoromethane
 Concen: 51.806 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	205693		
111	104.9	82.3	123.5	
192	19.1	15.0	22.6	

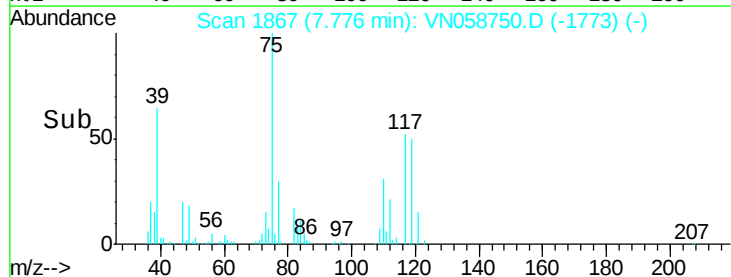
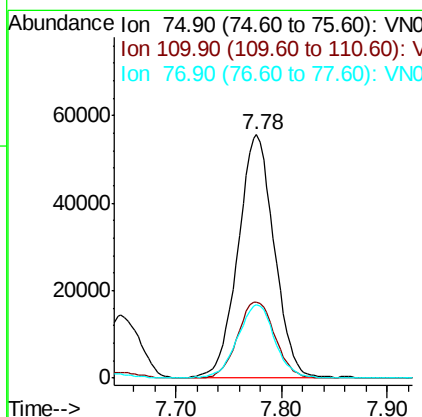
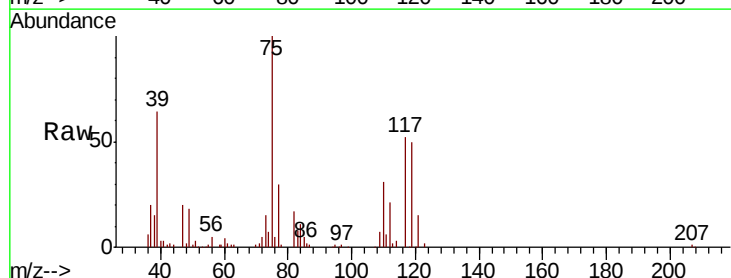
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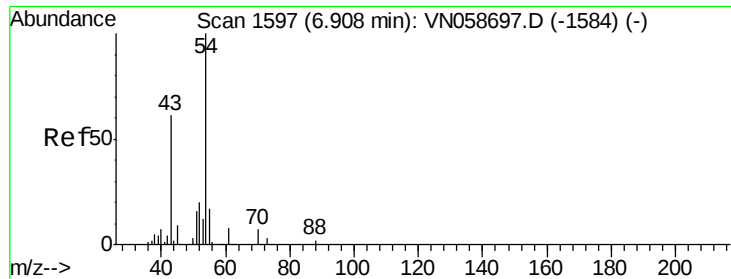
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 10/16/2019 12:57:00 AM



#36
 1,1-Dichloropropene
 Concen: 20.233 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131498		
110	32.6	16.6	49.8	
77	31.3	24.6	37.0	





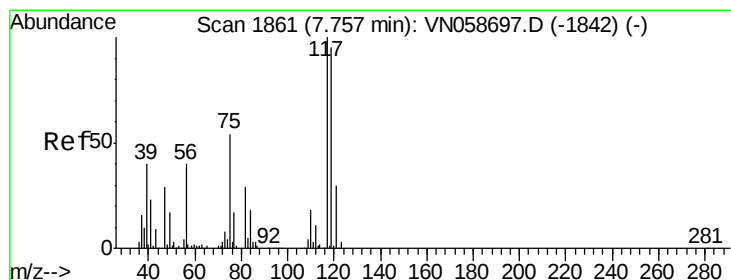
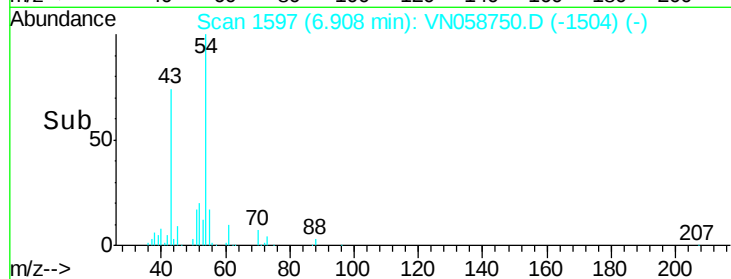
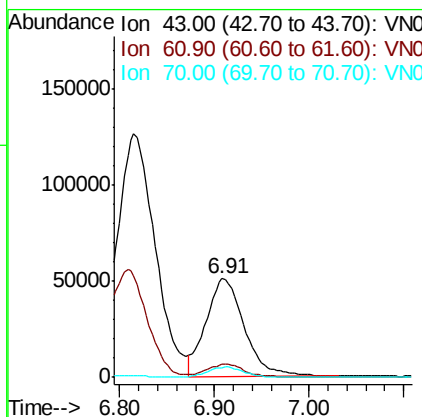
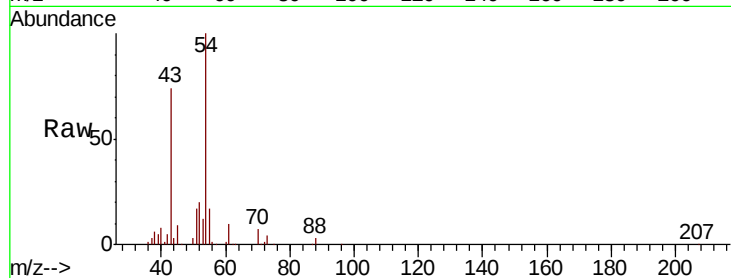
#37
Ethyl Acetate
Concen: 21.894 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.3	16.9
70	10.2	7.2	10.8

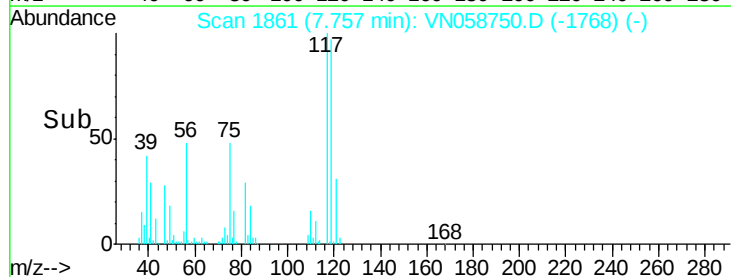
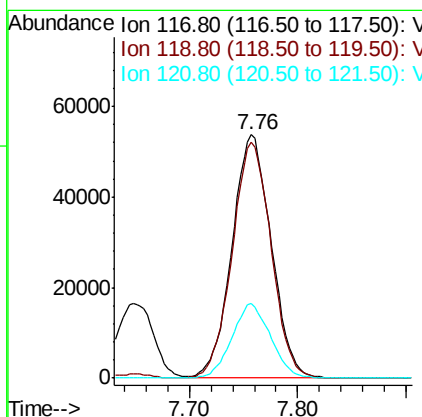
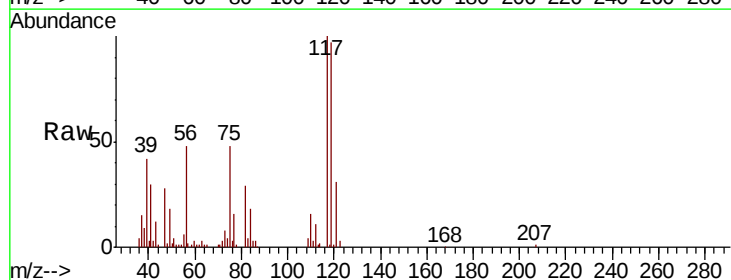
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#38
Carbon Tetrachloride
Concen: 21.491 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.7	113.5
121	30.5	23.9	35.9





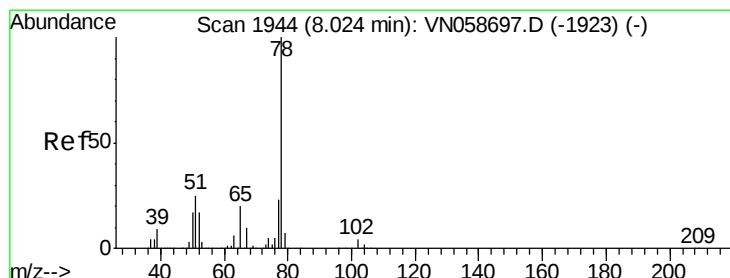
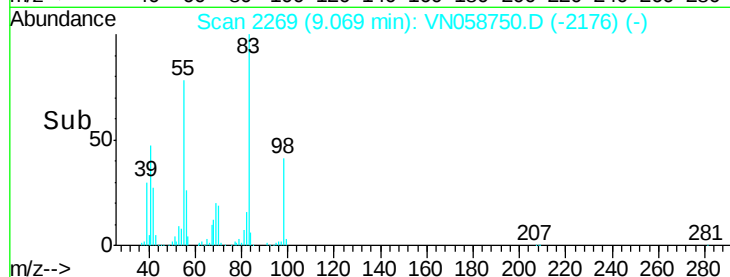
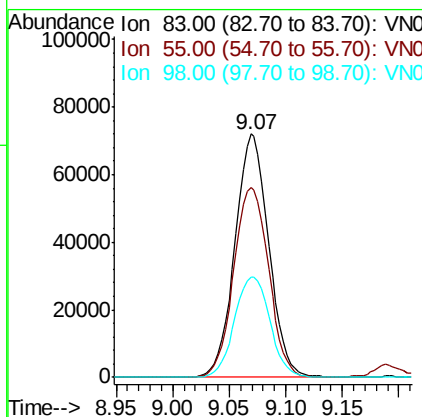
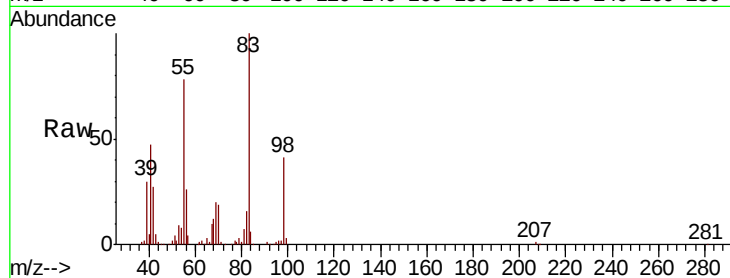
#39
Methvlcvclohexane
Concen: 19.865 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	149815		
55	78.0		63.4	95.0
98	41.1		35.1	52.7

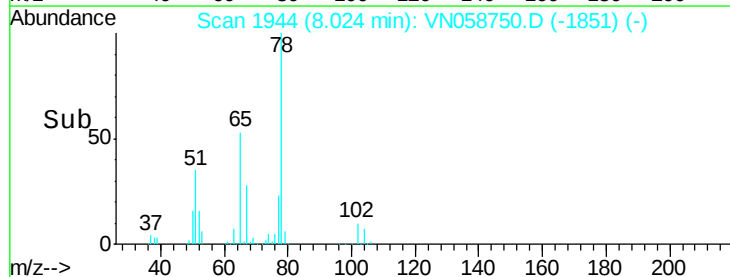
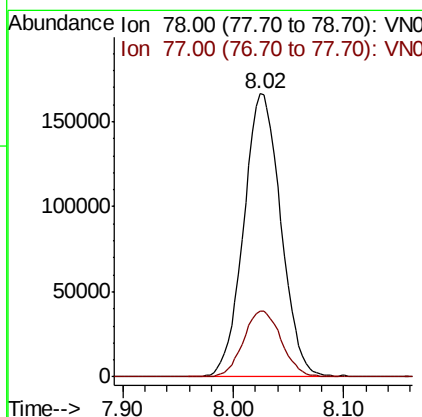
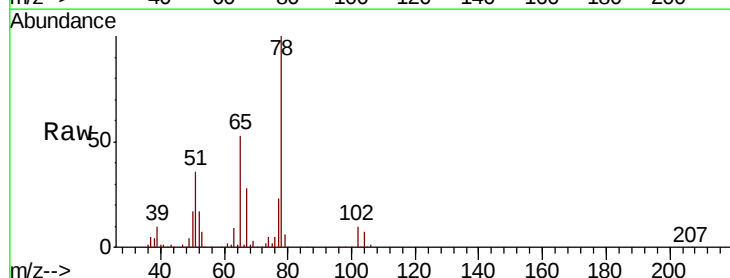
Manual Integrations
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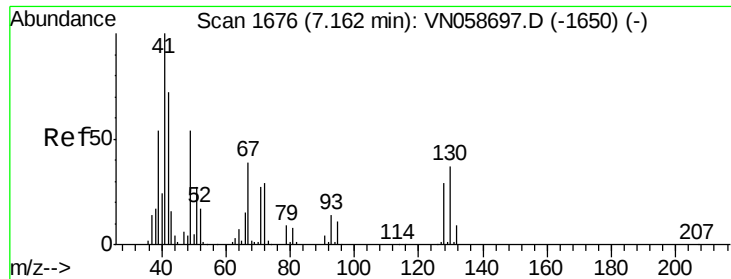
MMDadoda
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#40
Benzene
Concen: 20.833 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	388852		
77	23.4		18.8	28.2





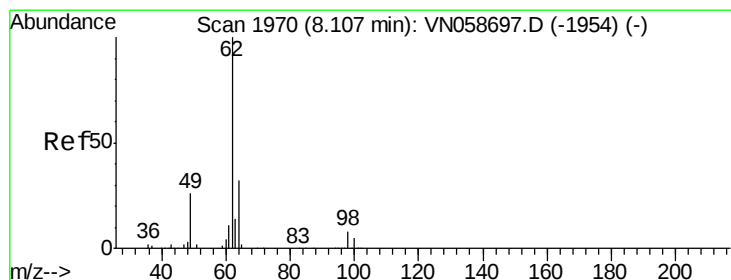
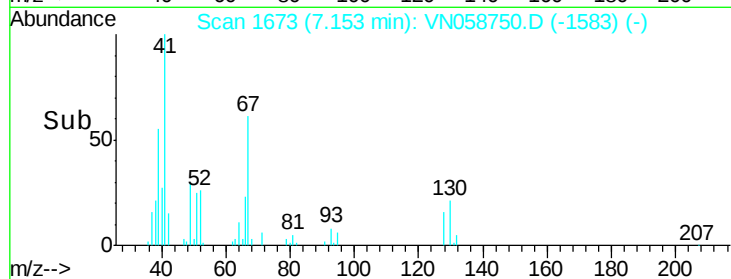
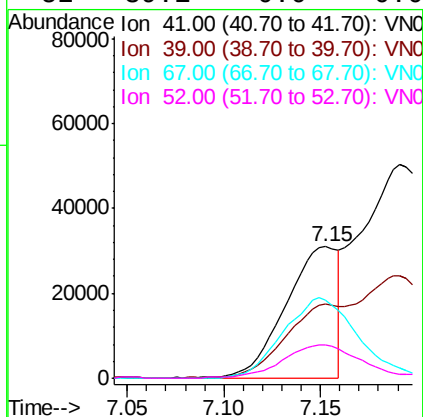
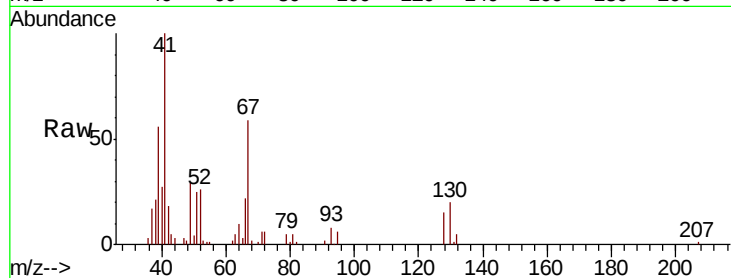
#41
Methacrylonitrile
Concen: 19.023 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.1	115.4	173.2#
67	87.6	0.0	0.0#
52	39.1	0.0	0.0#

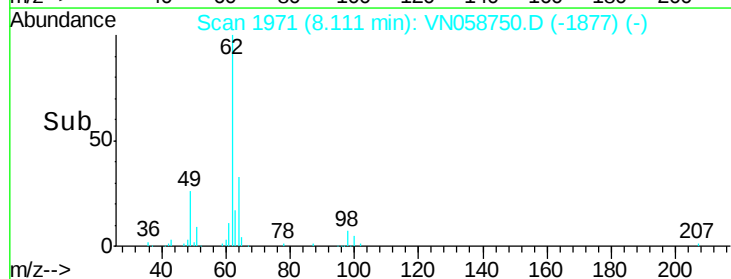
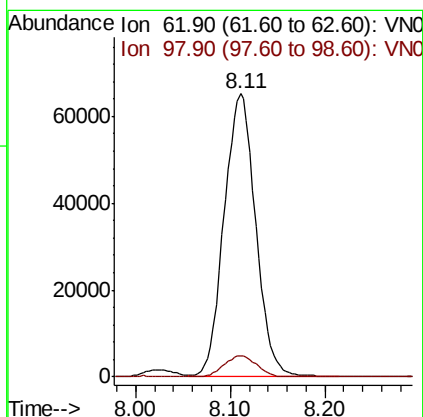
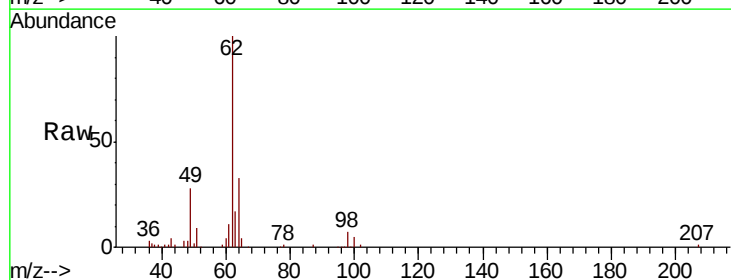
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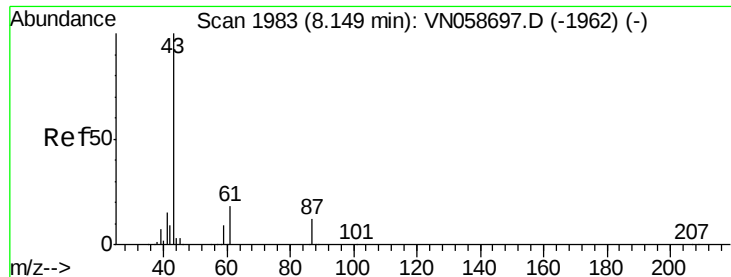
MMDadoda
10/16/2019 12:57:00 AM



#42
1,2-Dichloroethane
Concen: 21.134 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.8





#43

Isopropyl Acetate

Concen: 20.505 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

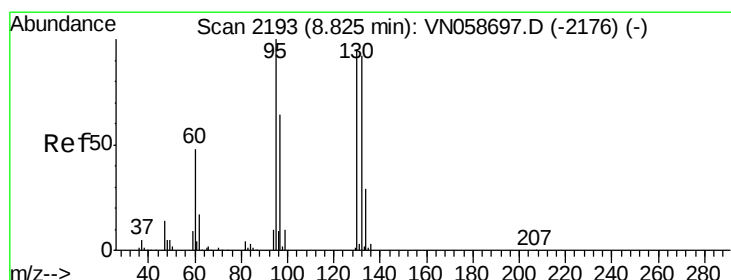
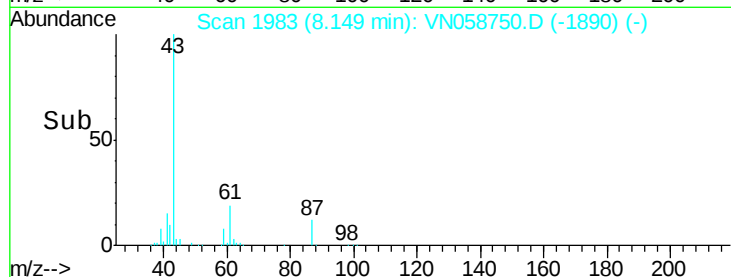
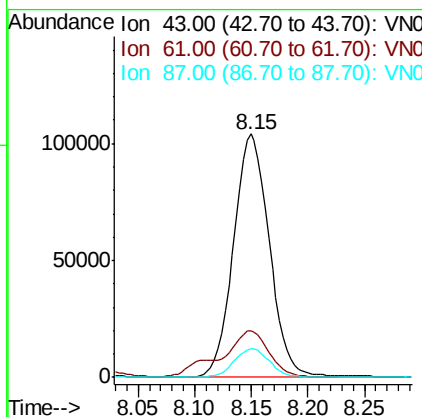
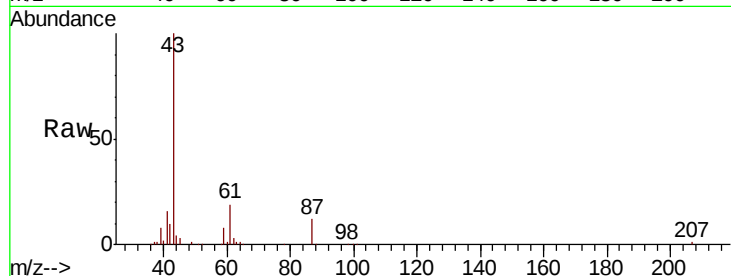
ClientSampleId :

VN1014WBS01

Tot Ion:	43	Resp:	229594
Ion	Ratio	Lower	Upper
43	100		
61	19.6	20.3	30.5#
87	11.7	9.8	14.6

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#44

Trichloroethene

Concen: 20.599 ug/l

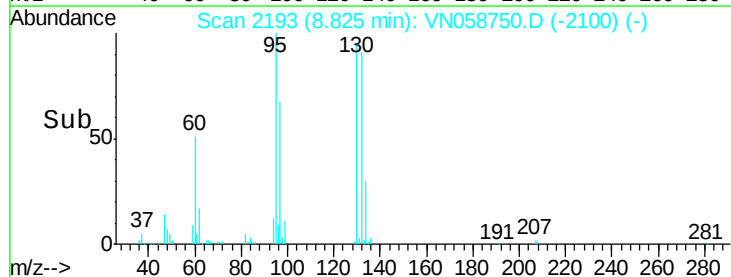
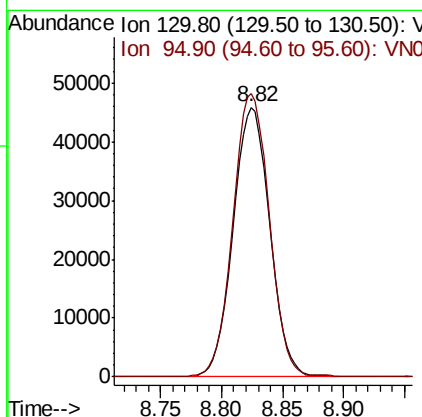
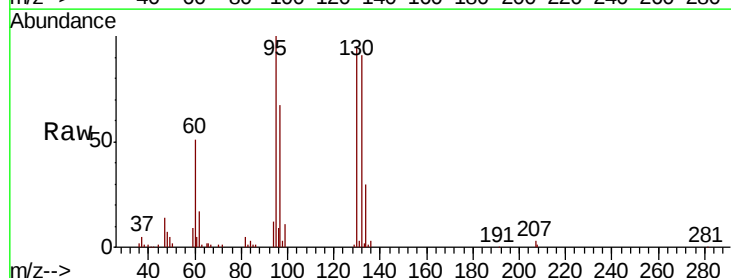
RT: 8.82 min Scan# 2193

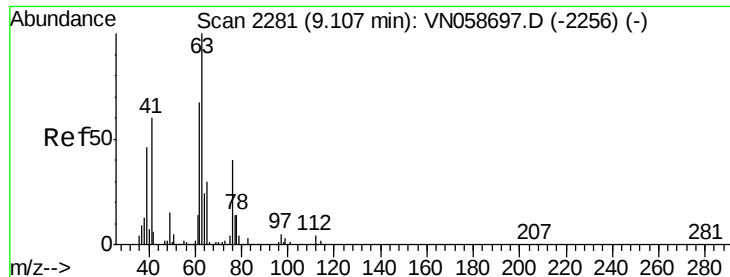
Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Tgt Ion:	130	Resp:	95480
Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	211.2





#45

1,2-Dichloropropane

Concen: 20.985 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion: 63 Resp: 104857

Ion Ratio Lower Upper

63 100

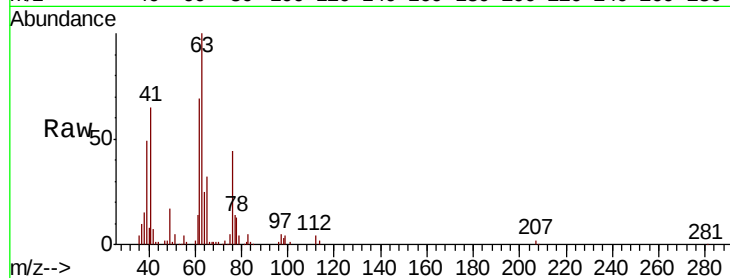
65 31.8 24.1 36.1

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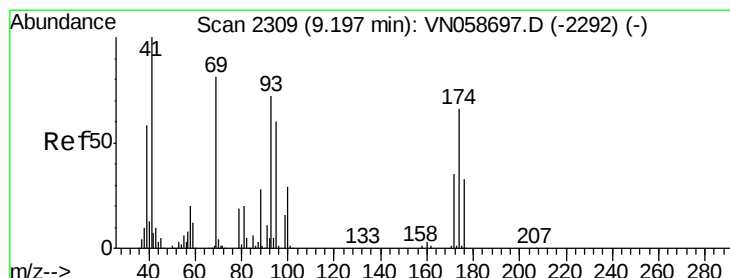
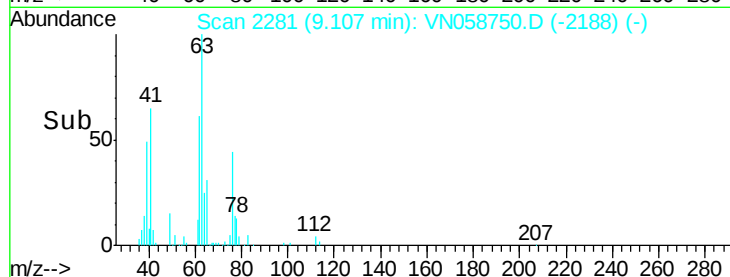
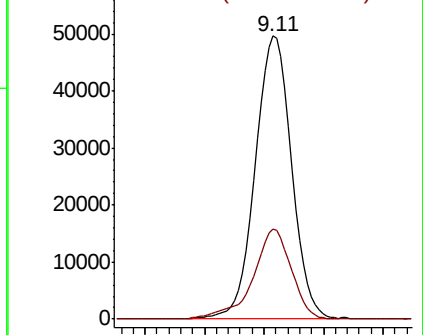
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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 21.549 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

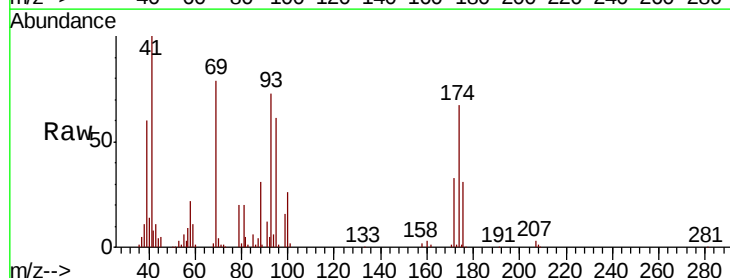
Tgt Ion: 93 Resp: 68266

Ion Ratio Lower Upper

93 100

95 84.5 66.6 100.0

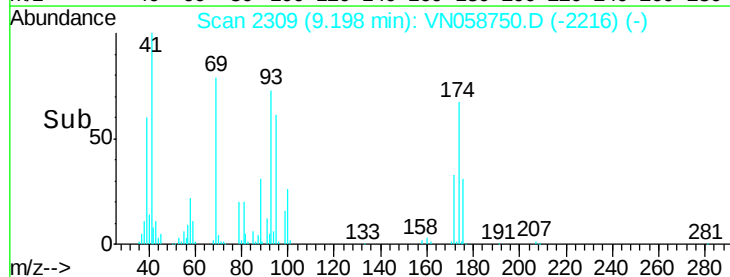
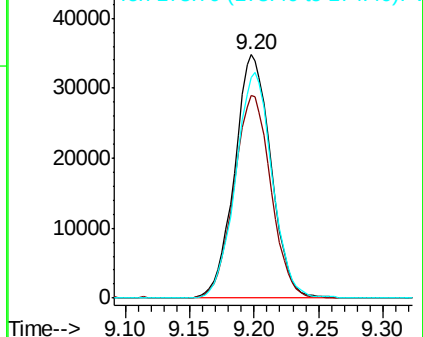
174 93.1 75.2 112.8

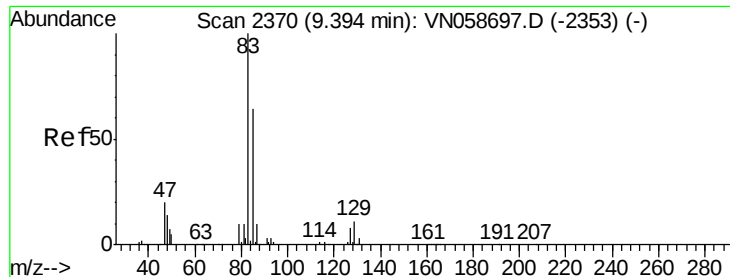


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 21.233 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

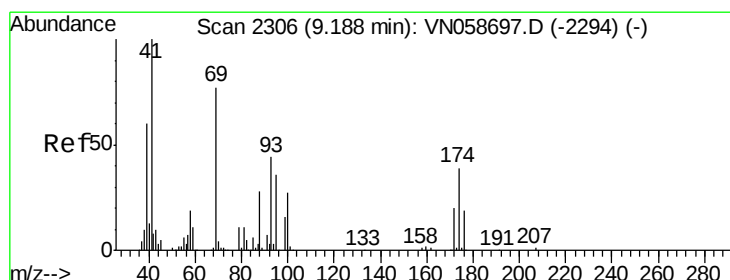
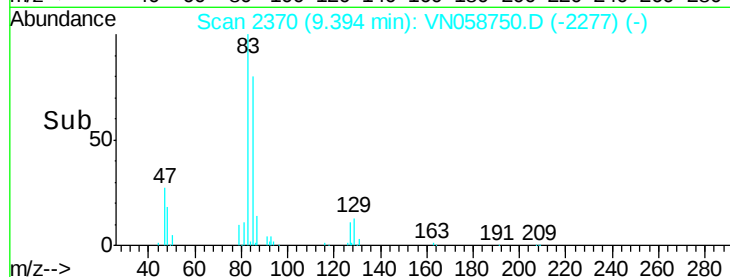
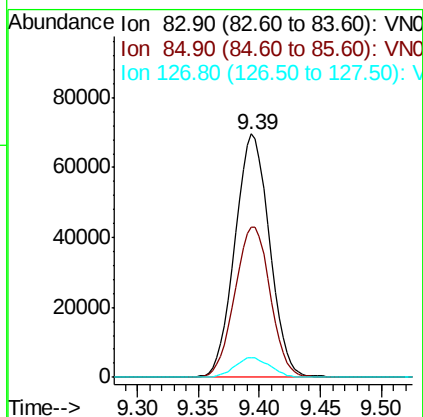
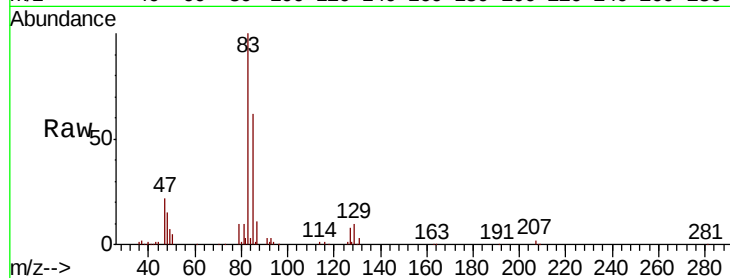
ClientSampleId :

VN1014WBS01

Tot Ion:	83	Resp:	136978
Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.9	76.3
127	8.3	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.385 ug/l

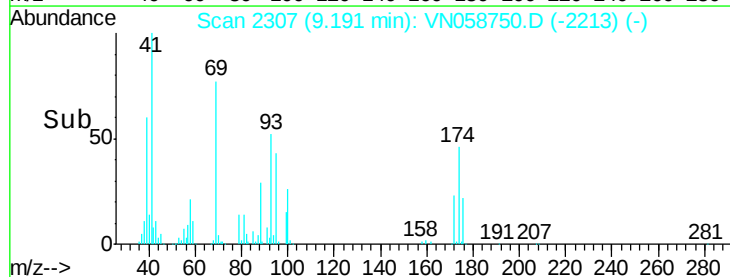
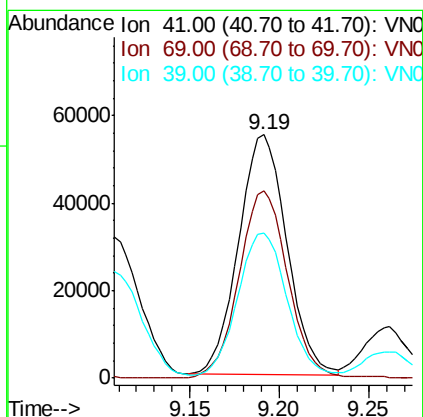
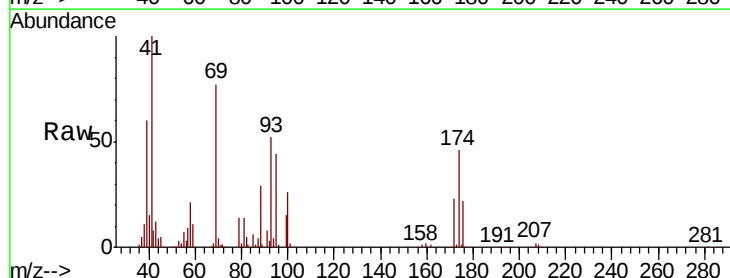
RT: 9.19 min Scan# 2307

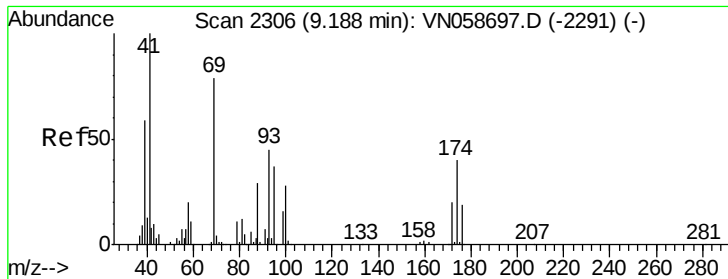
Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Tgt Ion:	41	Resp:	103465
Ion	Ratio	Lower	Upper
41	100		
69	79.0	63.4	95.2
39	62.4	48.9	73.3





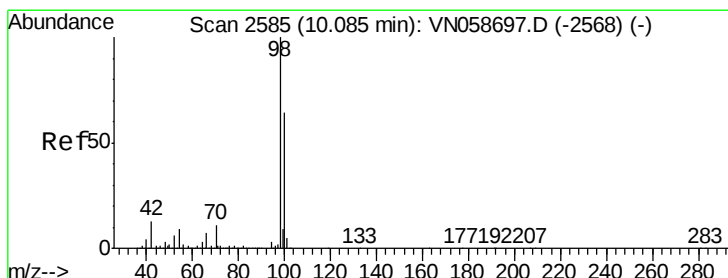
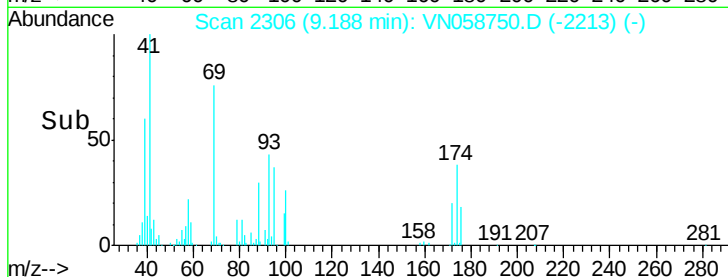
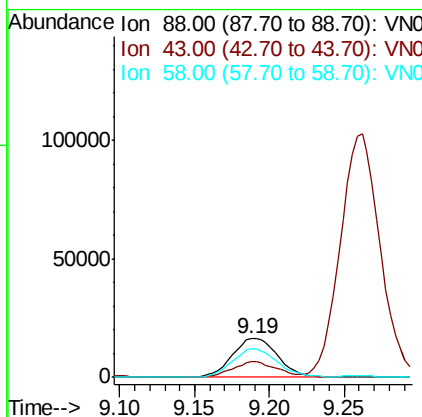
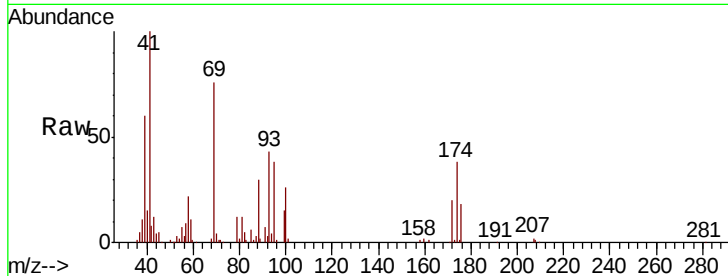
#49
1,4-Dioxane
Concen: 443.106 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.4	28.6	43.0
58	73.0	57.2	85.8

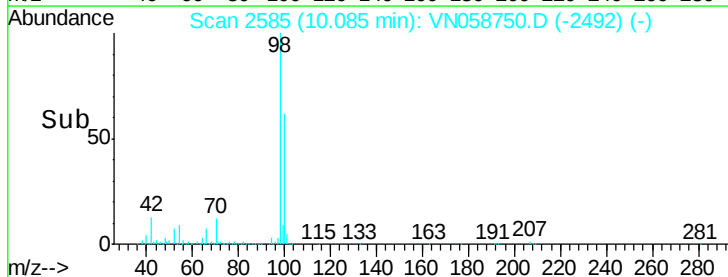
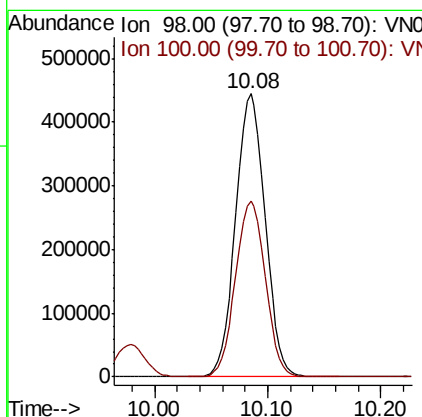
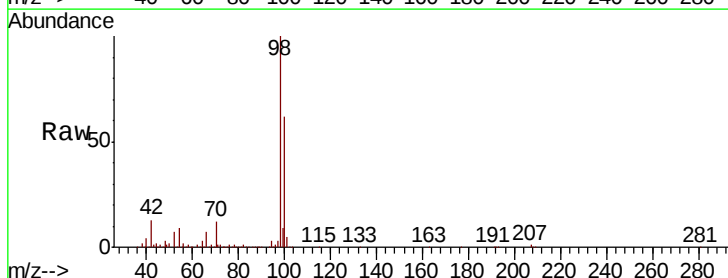
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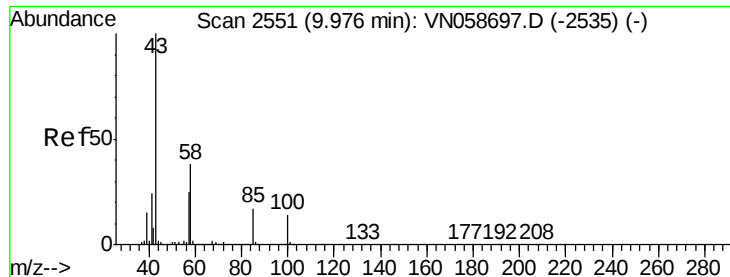
MMDadoda
10/16/2019 12:57:00 AM



#50
Toluene-d8
Concen: 51.107 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.7	51.1	76.7





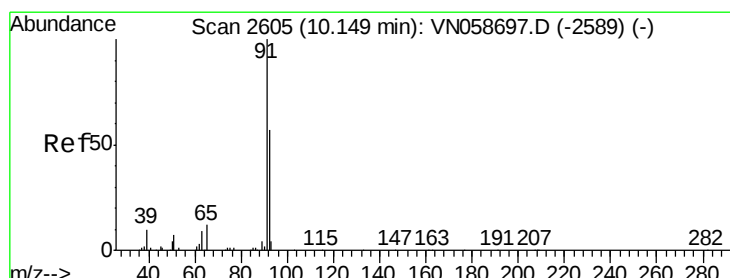
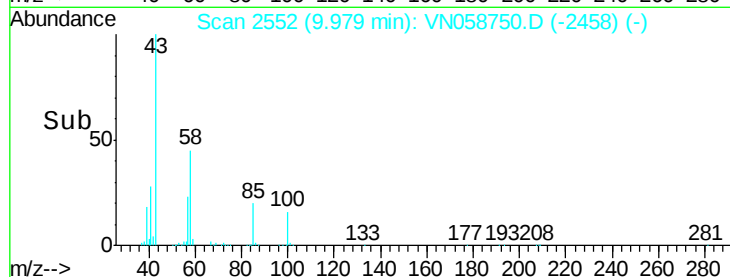
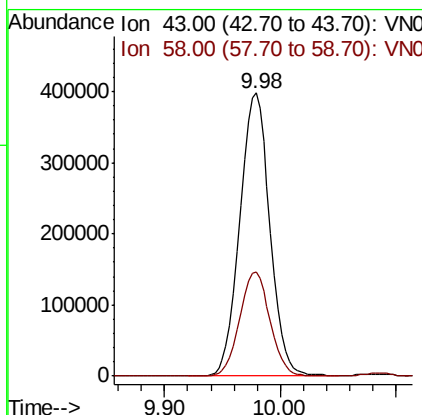
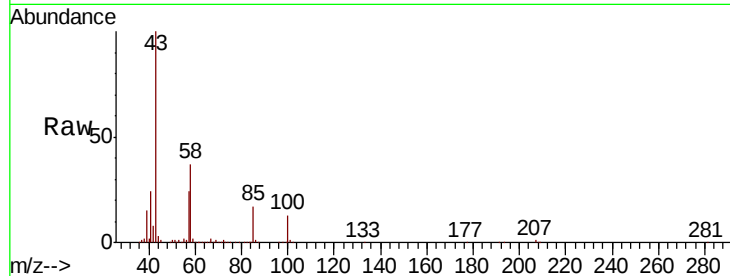
#51
4-Methyl-2-Pentanone
Concen: 113.501 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.3	45.5

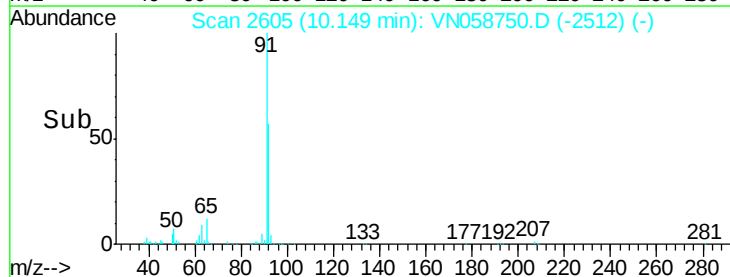
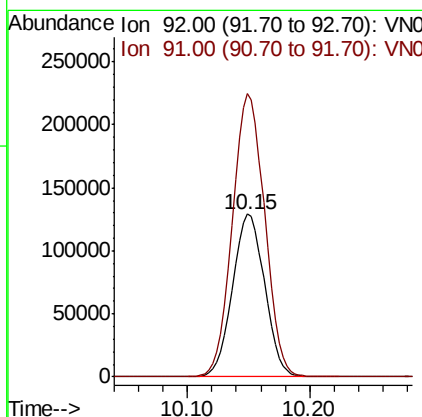
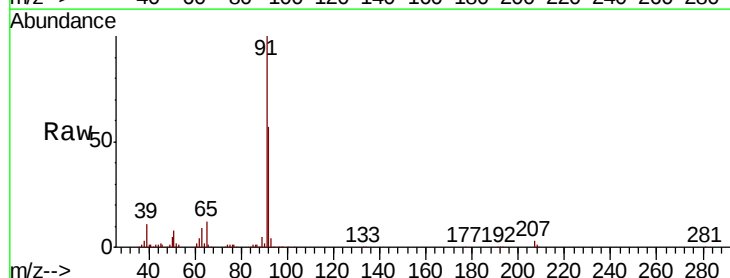
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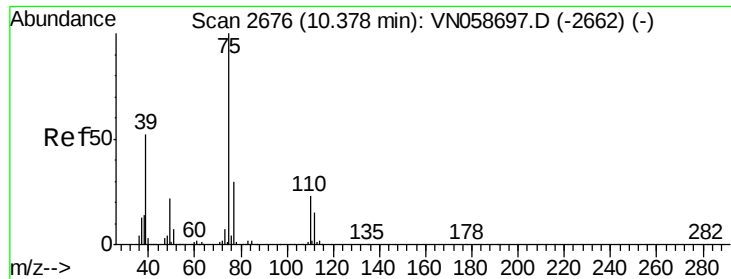
MMDadoda
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#52
Toluene
Concen: 20.743 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.4	139.1	208.7





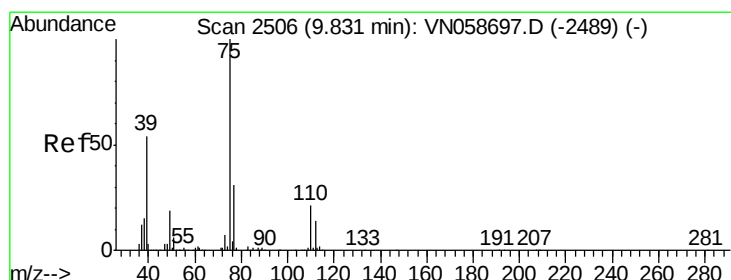
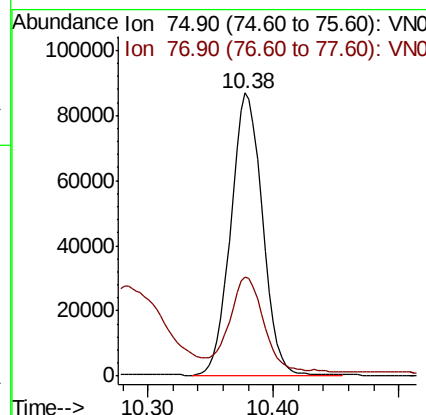
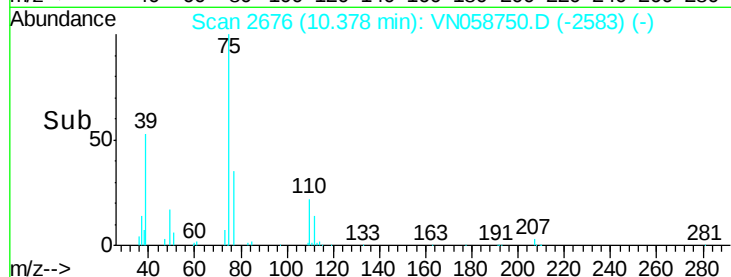
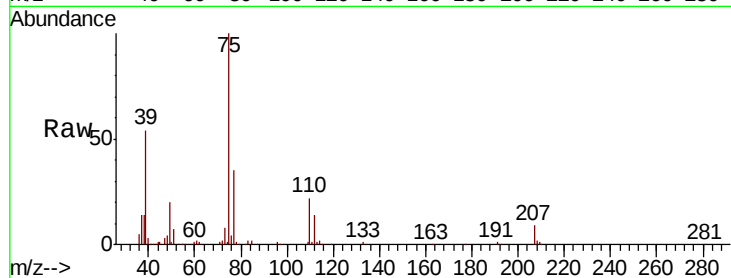
#53
t-1,3-Dichloropropene
Concen: 20.498 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion: 75 Resp: 151668
Ion Ratio Lower Upper
75 100
77 33.6 26.2 39.4

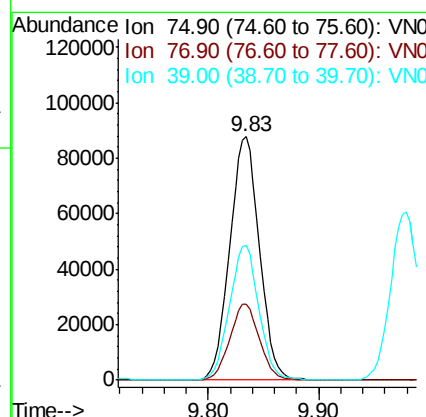
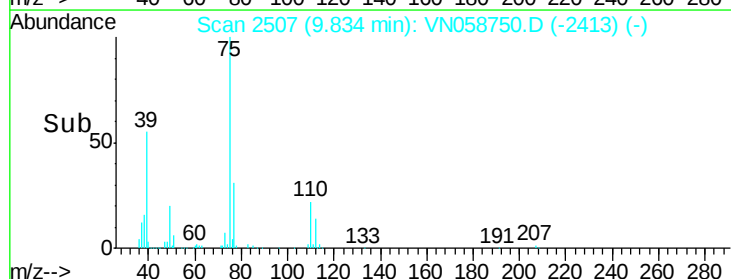
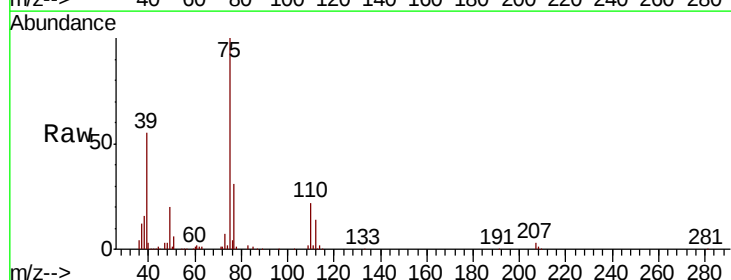
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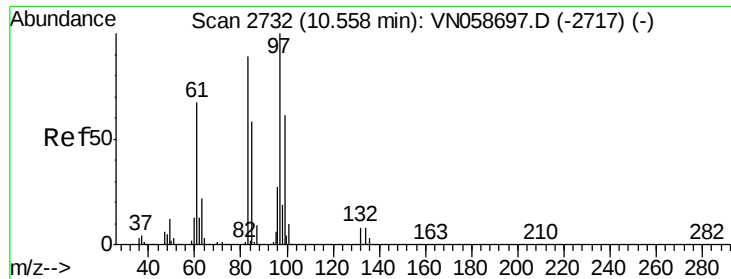
MMDadoda
10/16/2019 12:57:00 AM



#54
cis-1,3-Dichloropropene
Concen: 20.828 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion: 75 Resp: 163624
Ion Ratio Lower Upper
75 100
77 31.4 24.4 36.6
39 55.3 43.1 64.7





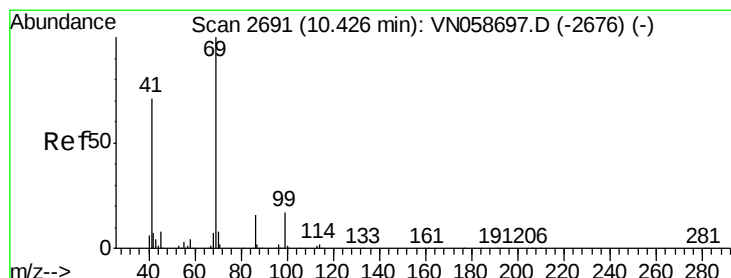
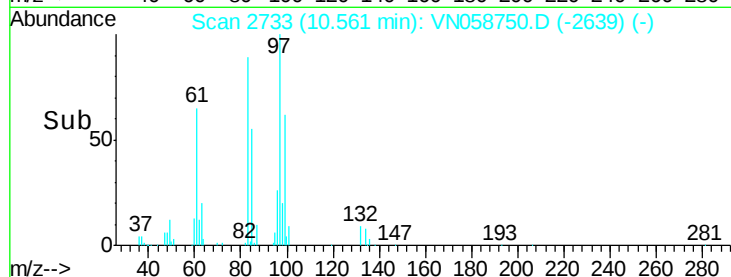
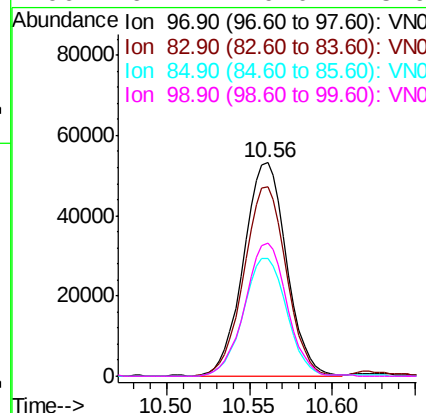
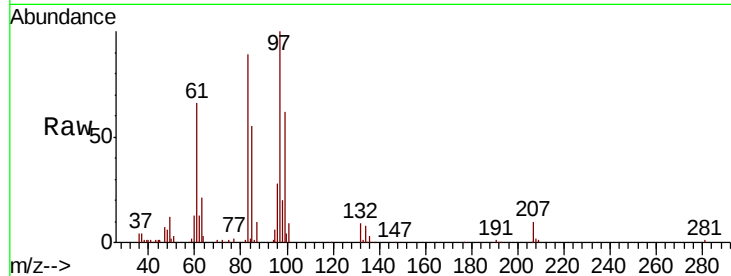
#55
 1,1,2-Trichloroethane
 Concen: 20.590 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.2	106.8
85	55.2	46.7	70.1
99	62.2	49.0	73.6

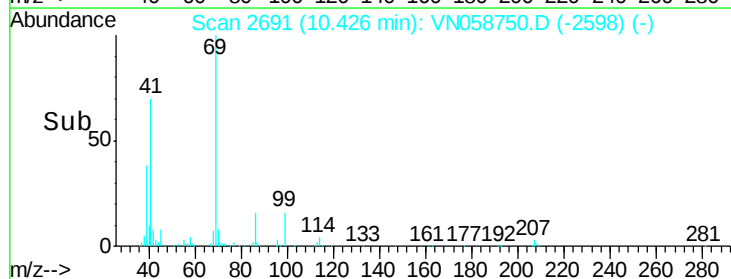
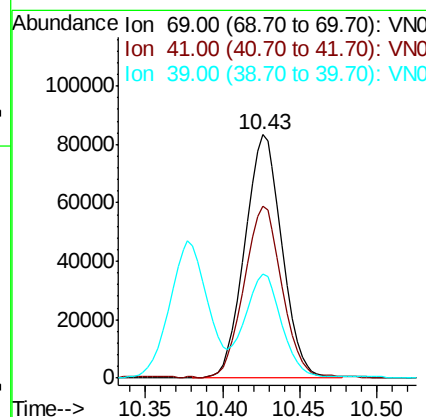
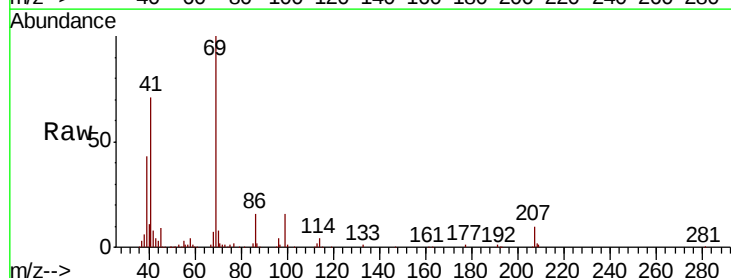
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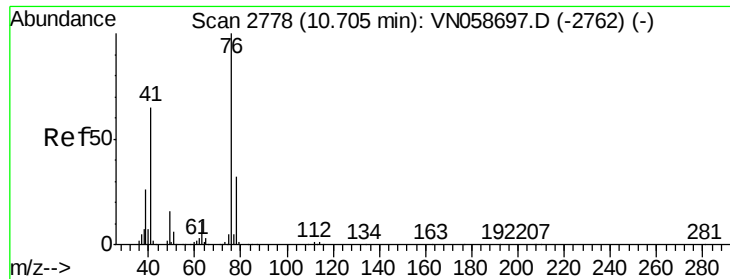
MMDadoda
 10/16/2019 12:57:00 AM



#56
 Ethyl methacrylate
 Concen: 20.420 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.2	56.8	85.2
39	41.9	32.5	48.7





#57

1,3-Dichloropropane

Concen: 20.720 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion: 76 Resp: 164978

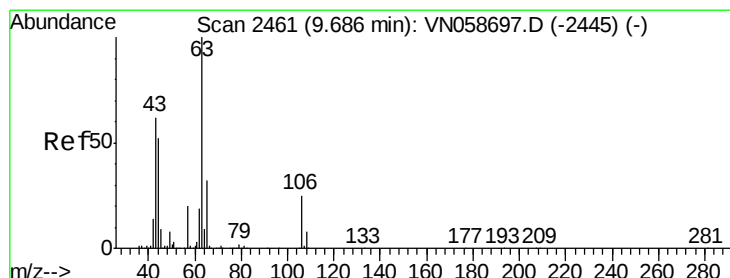
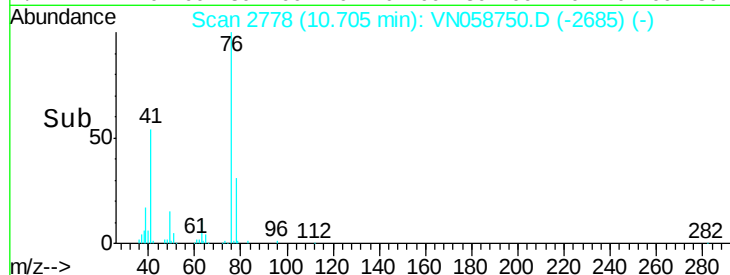
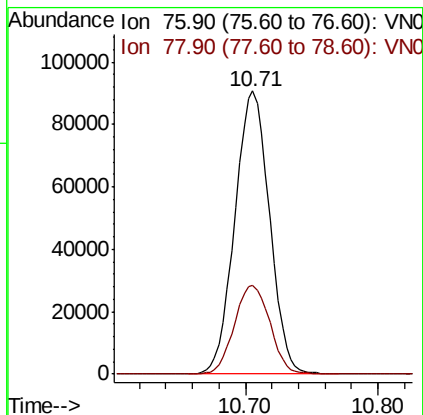
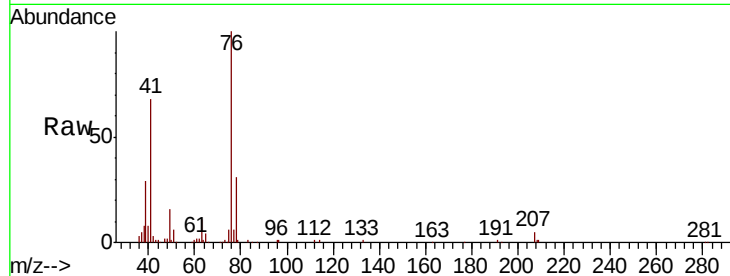
Ion Ratio Lower Upper

76 100

78 32.5 25.9 38.9

Manual Integrations
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10/16/2019 12:57:00 AM



#58

2-Chloroethyl Vinyl ether

Concen: 100.952 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058750.D

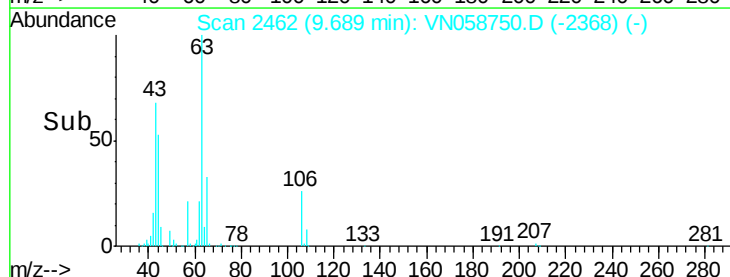
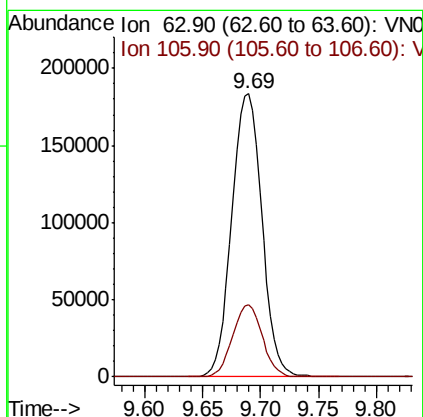
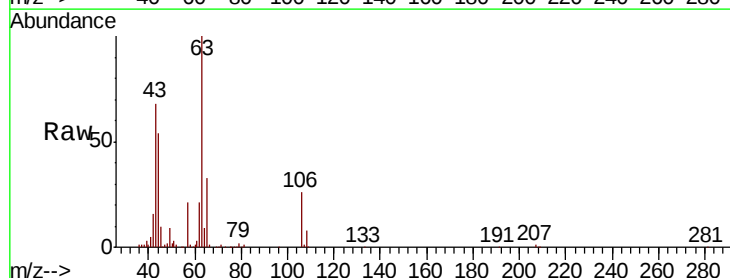
Acq: 14 Oct 2019 15:27

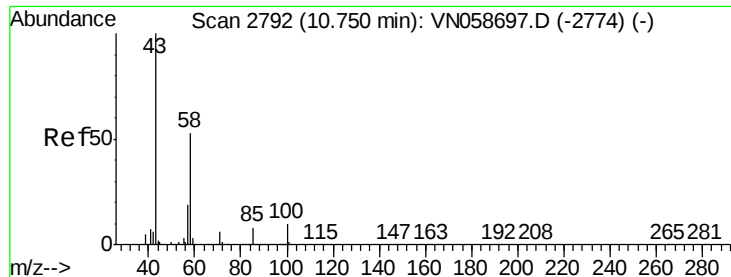
Tgt Ion: 63 Resp: 332103

Ion Ratio Lower Upper

63 100

106 25.0 20.0 30.0





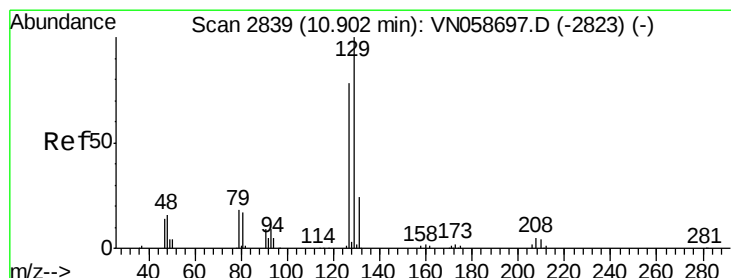
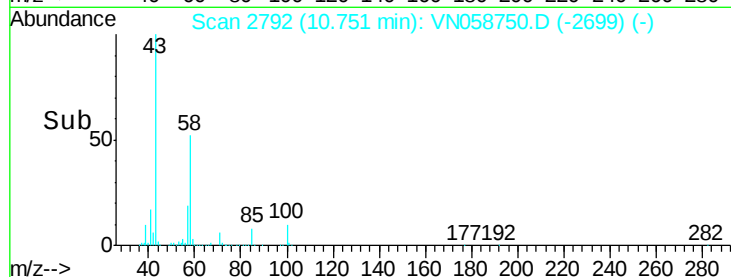
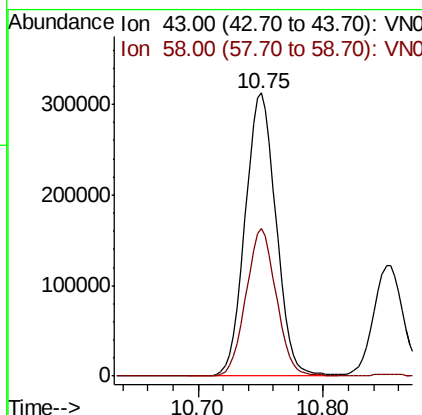
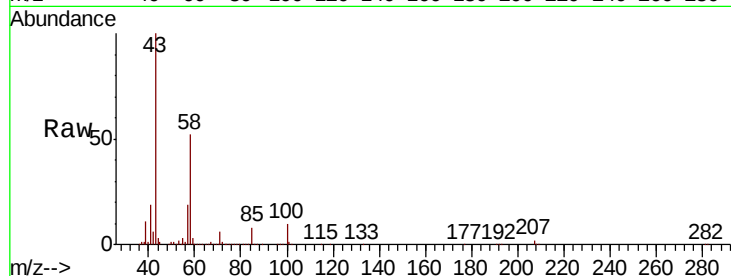
#59
2-Hexanone
Concen: 110.094 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion: 43 Resp: 535022
Ion Ratio Lower Upper
43 100
58 51.3 26.1 78.3

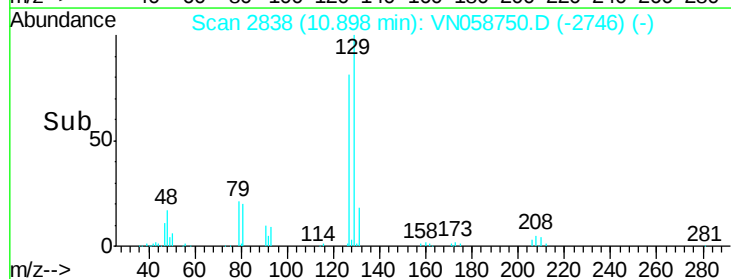
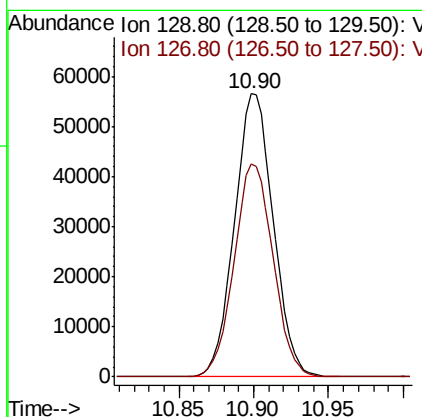
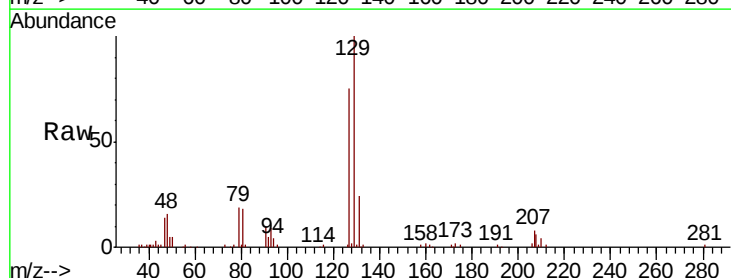
Manual Integrations
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#60
Dibromochloromethane
Concen: 21.137 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion: 129 Resp: 101882
Ion Ratio Lower Upper
129 100
127 75.7 38.5 115.3





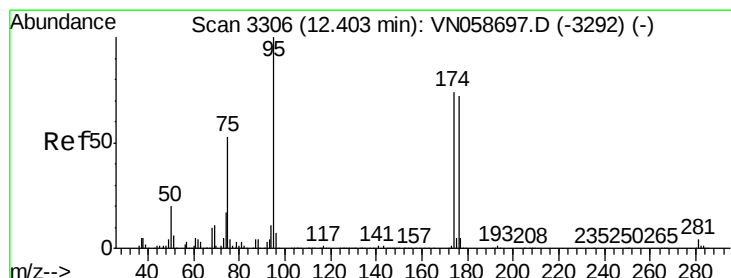
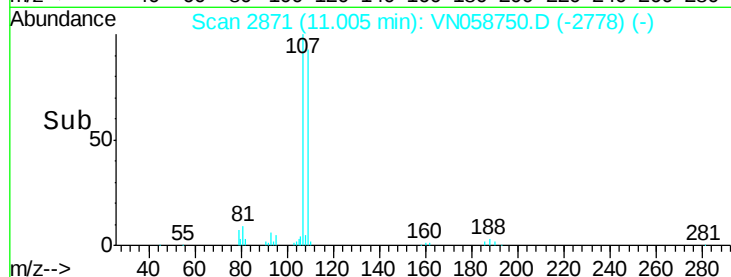
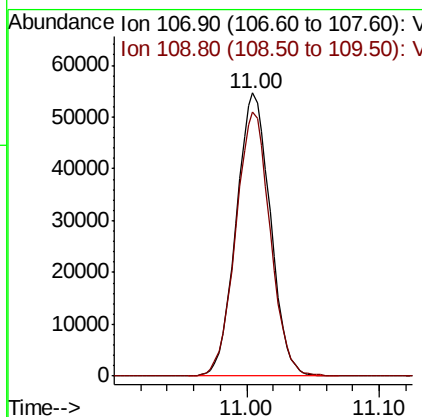
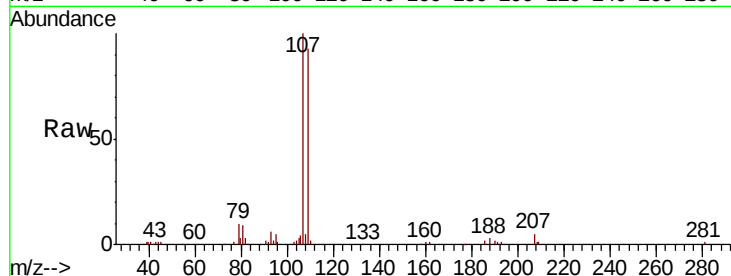
#61
 1,2-Dibromoethane
 Concen: 20.860 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100		97648		
109	94.3	75.4	113.0		

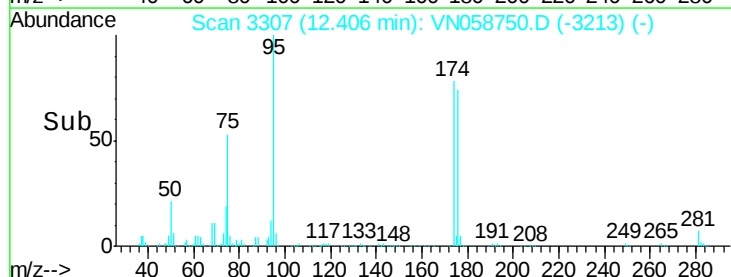
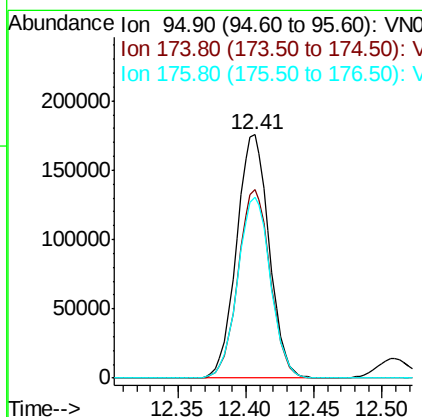
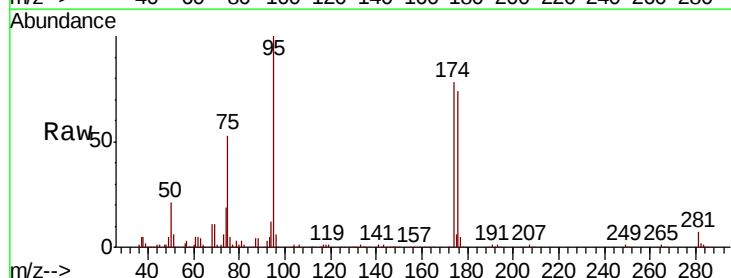
Manual Integrations
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 10/16/2019 12:57:00 AM



#62
 4-Bromofluorobenzene
 Concen: 48.419 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	100		290998		
174	76.5	0.0	150.4		
176	74.7	0.0	146.8		





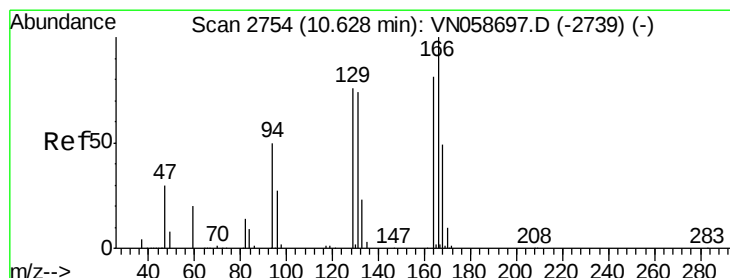
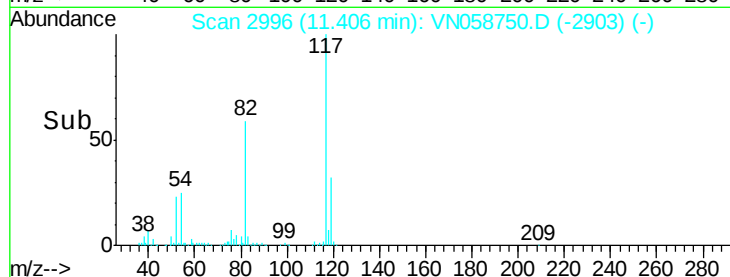
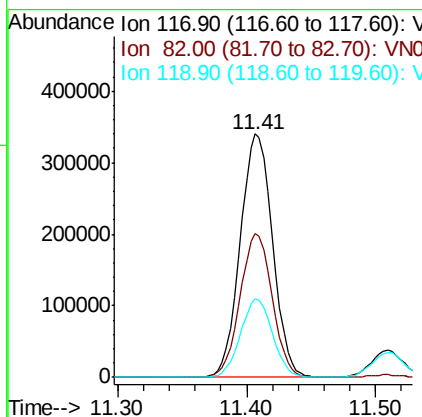
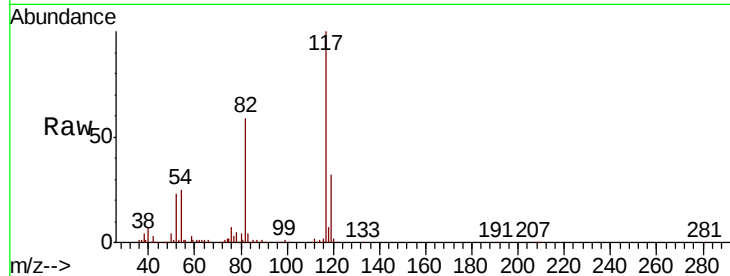
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	595093		
82	59.0		47.0	70.4
119	32.1		25.4	38.2

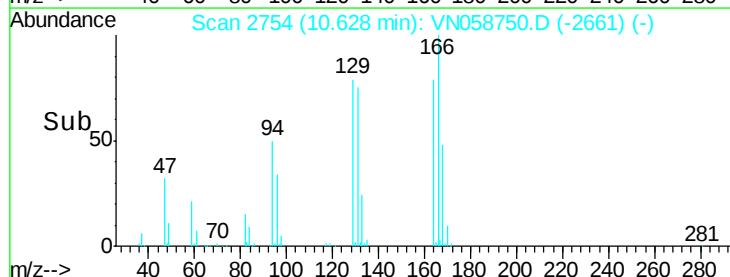
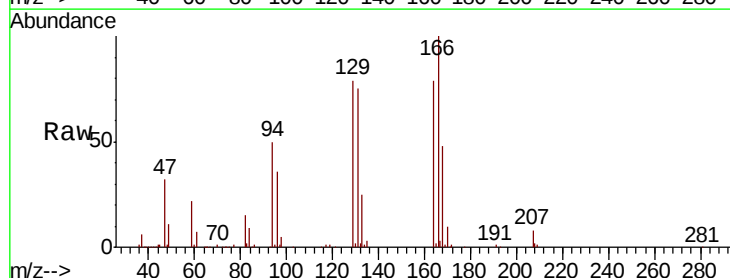
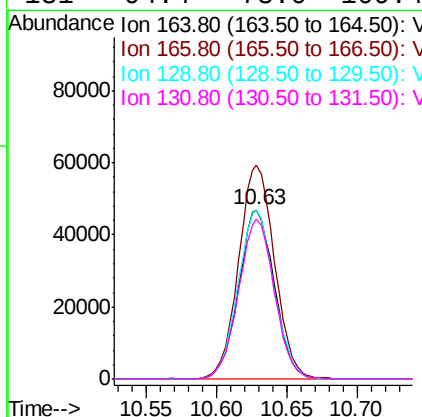
Manual Integrations
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#64
Tetrachloroethene
Concen: 19.945 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83064		
166	126.2		99.3	148.9
129	100.2		75.2	112.8
131	94.4		73.0	109.4





#65

Chlorobenzene

Concen: 20.288 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion:112 Resp: 245182

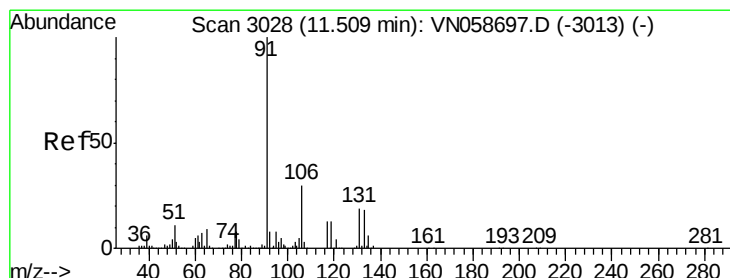
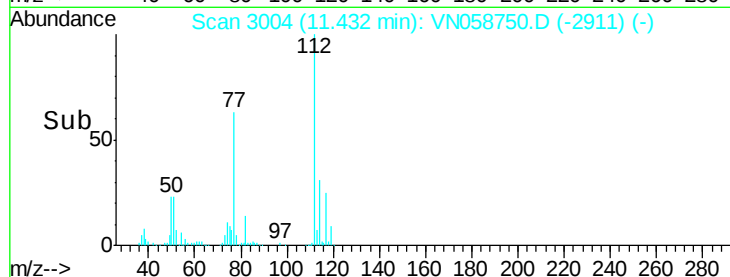
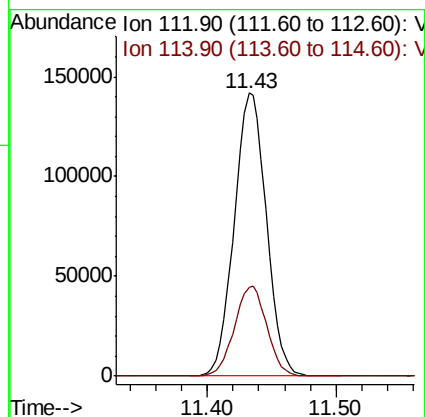
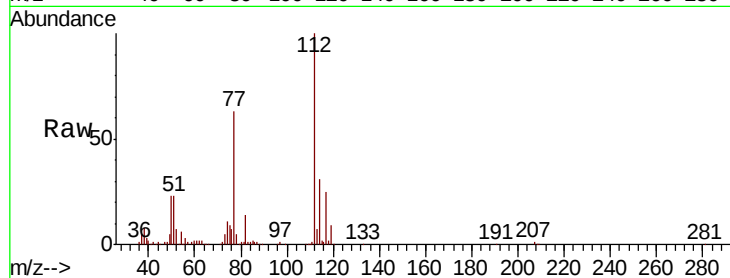
Ion Ratio Lower Upper

112 100

114 31.4 25.2 37.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.897 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

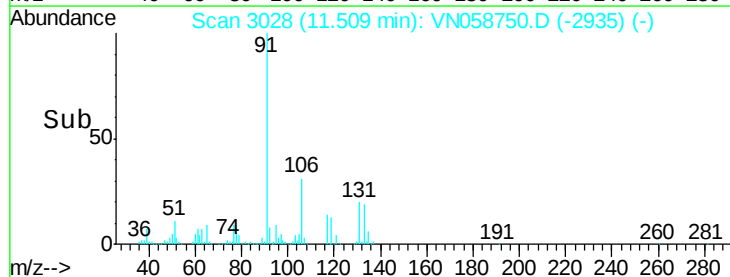
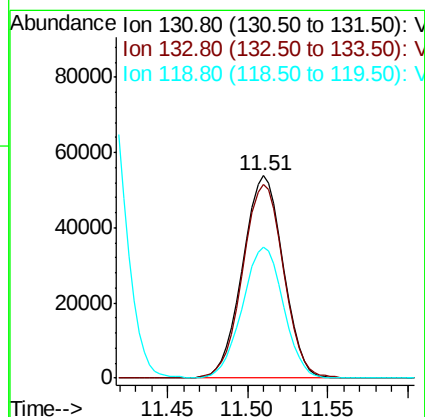
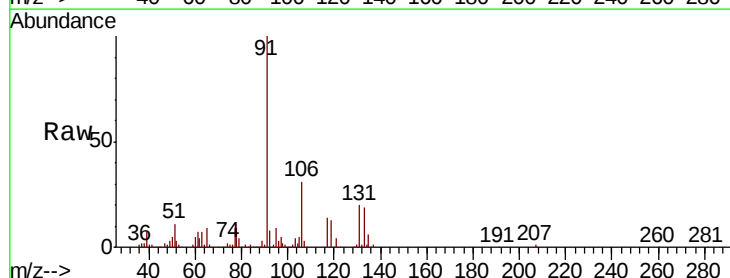
Tgt Ion:131 Resp: 93384

Ion Ratio Lower Upper

131 100

133 96.5 47.6 142.9

119 65.4 33.0 98.9





#67

Ethyl Benzene

Concen: 20.779 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion: 91 Resp: 447634

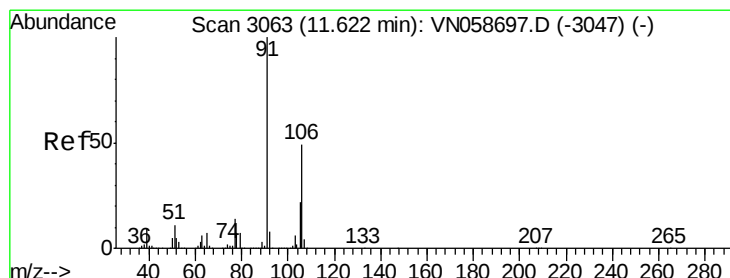
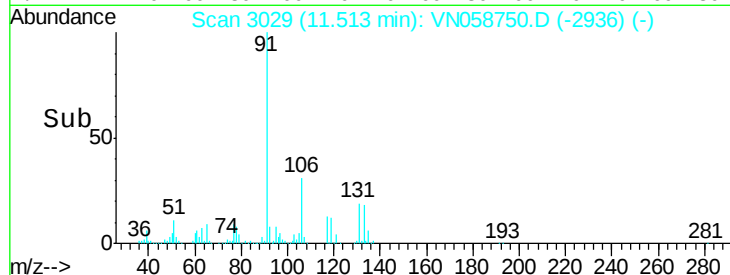
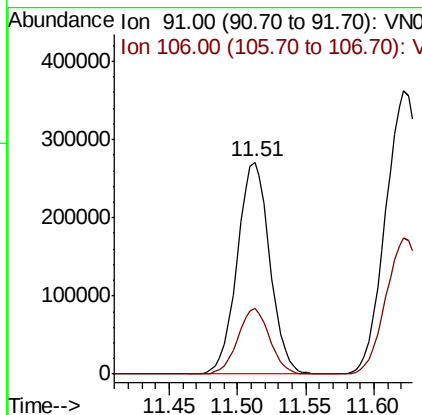
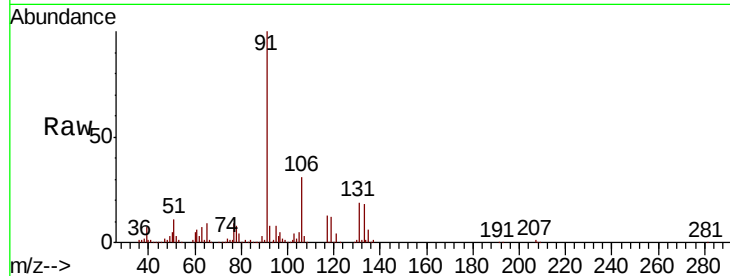
Ion Ratio Lower Upper

91 100

106 30.7 24.1 36.1

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#68

m/p-Xylenes

Concen: 41.142 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058750.D

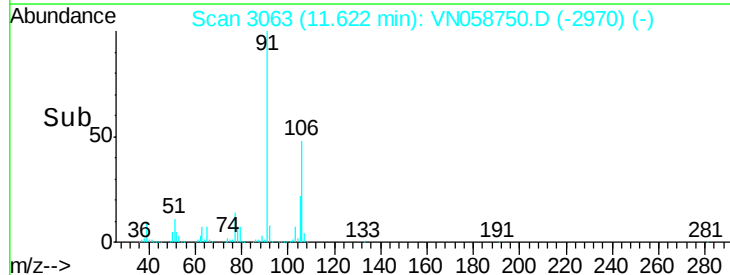
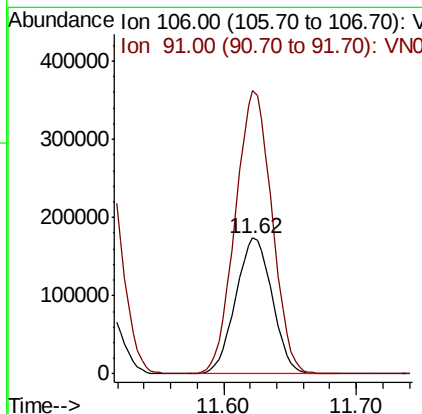
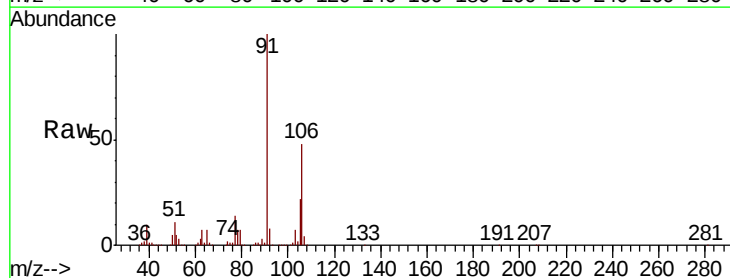
Acq: 14 Oct 2019 15:27

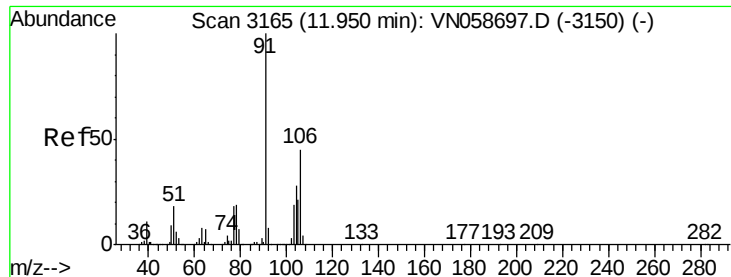
Tgt Ion: 106 Resp: 332609

Ion Ratio Lower Upper

106 100

91 208.7 165.7 248.5





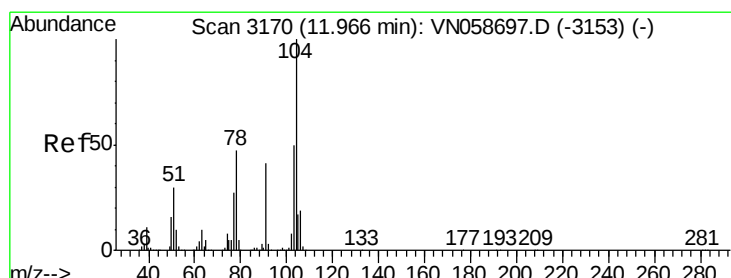
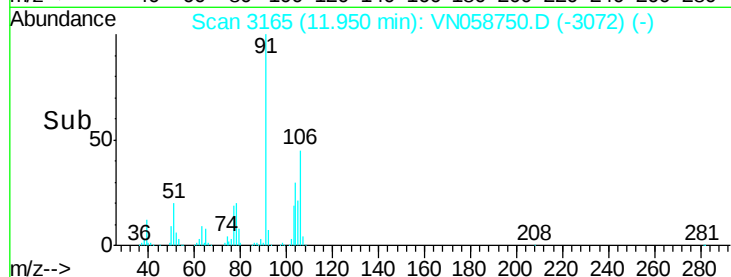
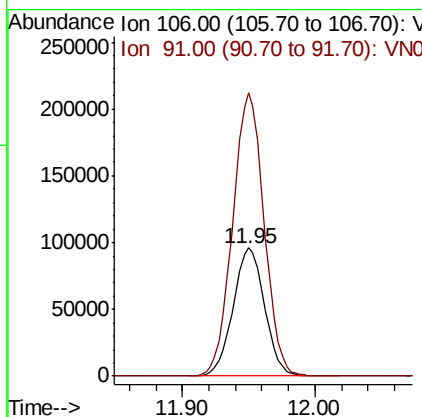
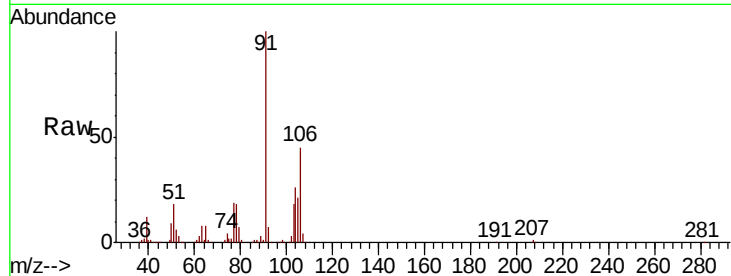
#69
o-Xylene
Concen: 20.175 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.7	110.9	332.9

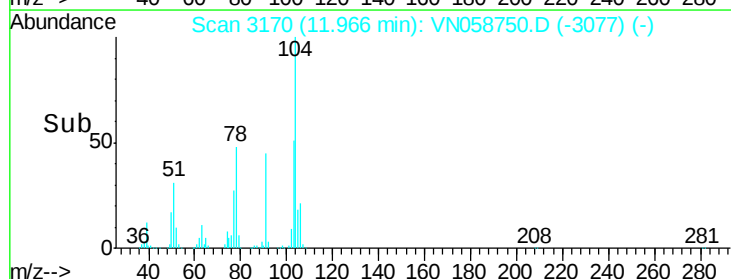
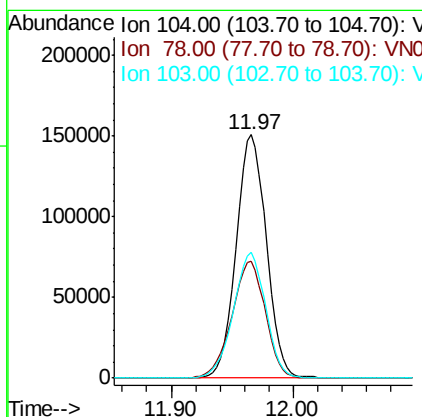
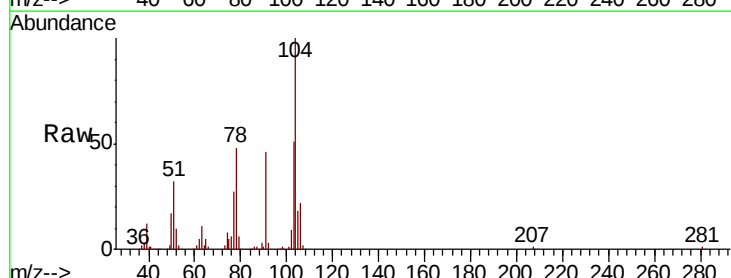
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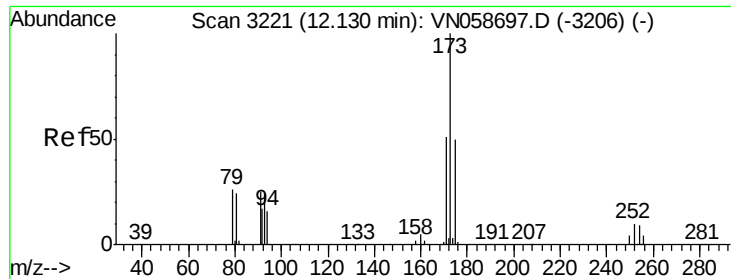
MMDadoda
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#70
Styrene
Concen: 20.145 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.4	42.2	63.2
103	55.3	43.7	65.5





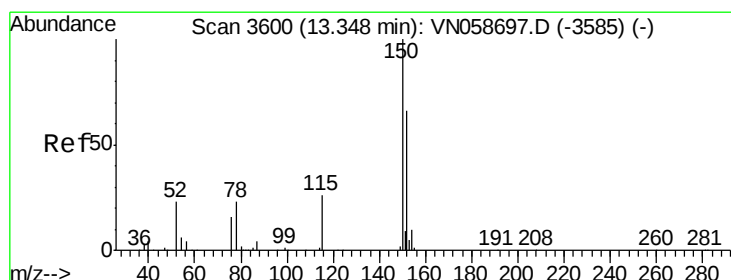
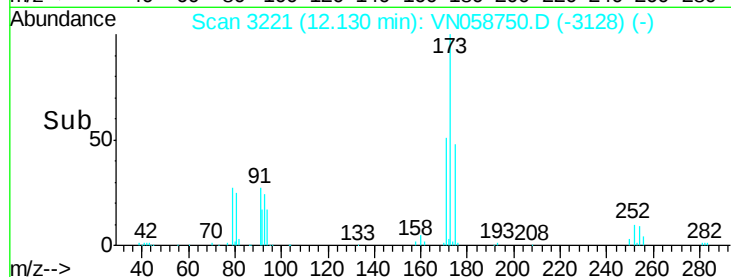
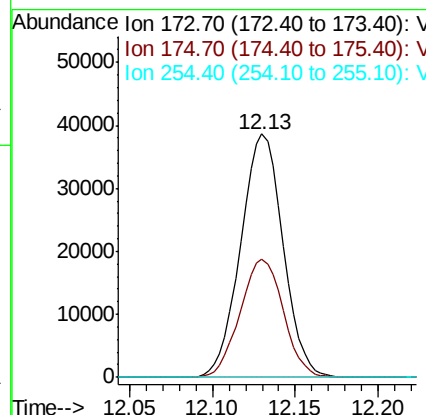
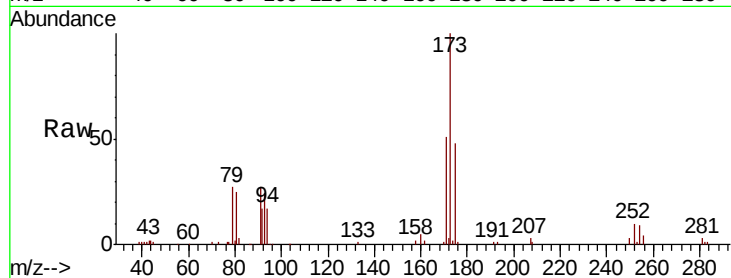
#71
Bromoform
Concen: 20.997 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.6	73.8
254	0.0	0.1	0.1#

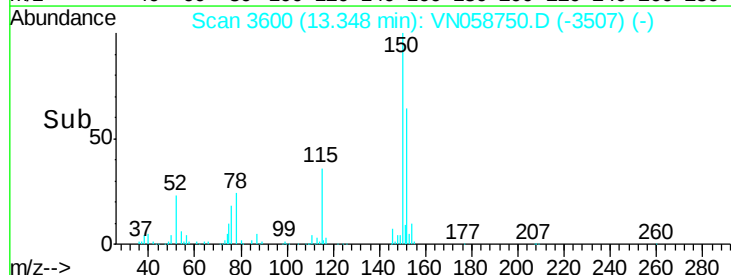
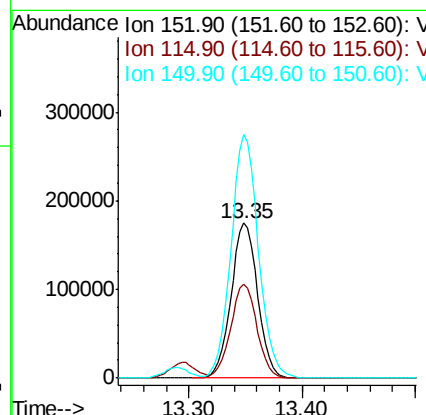
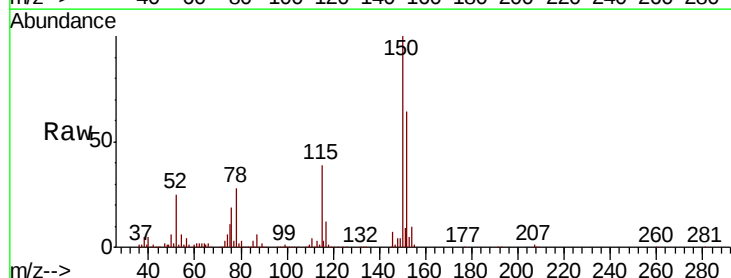
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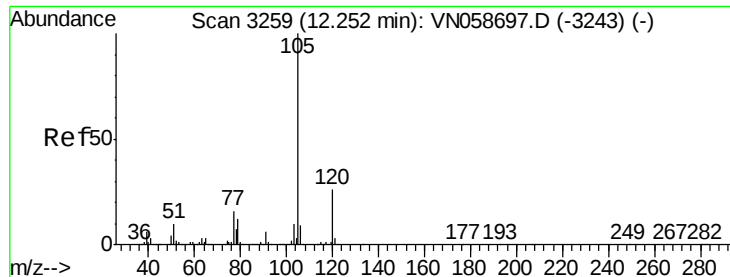
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.4	91.2
150	163.1	0.0	345.4





#73

Isopropylbenzene

Concen: 21.055 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion: 105 Resp: 433222

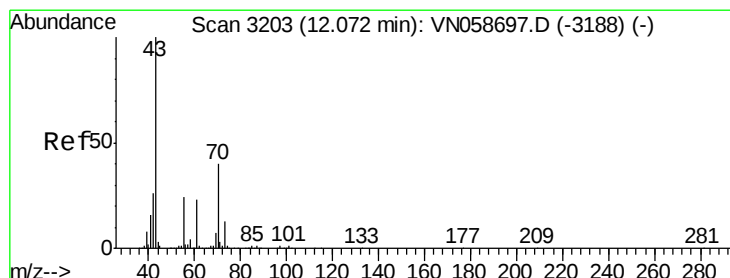
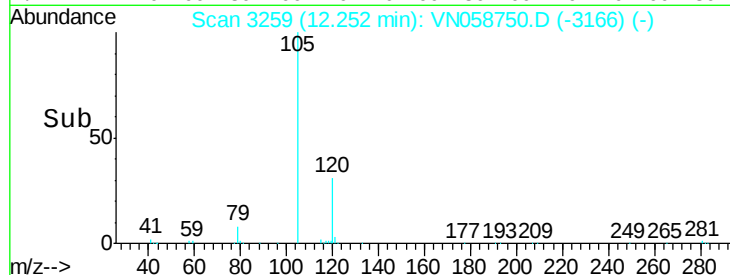
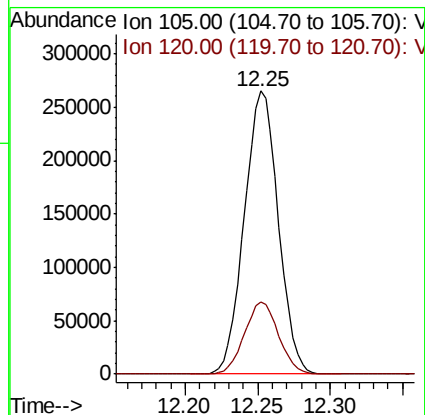
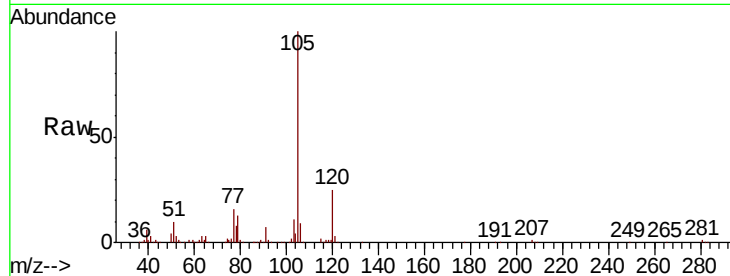
Ion Ratio Lower Upper

105 100

120 25.4 13.1 39.1

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#74

N-ethyl acetate

Concen: 20.831 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Tgt Ion: 43 Resp: 192508

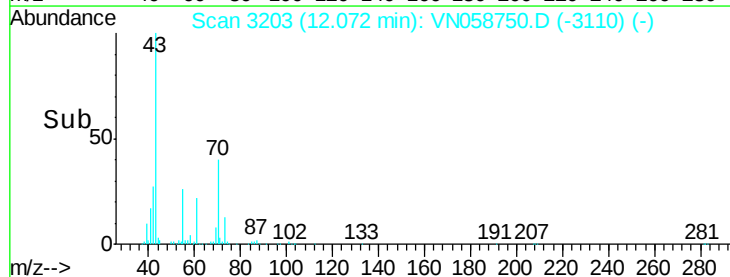
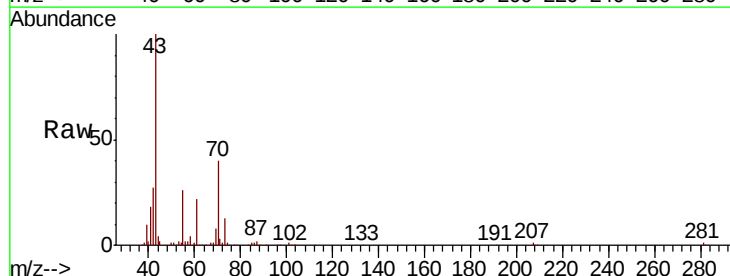
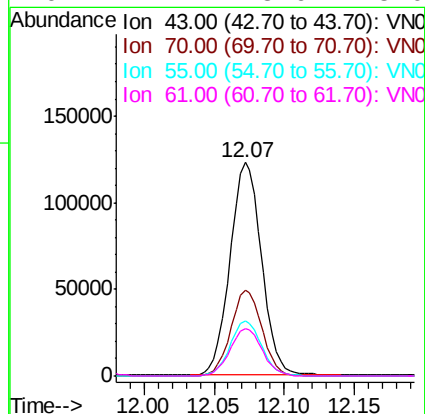
Ion Ratio Lower Upper

43 100

70 39.8 32.2 48.4

55 26.1 19.6 29.4

61 22.7 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.763 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

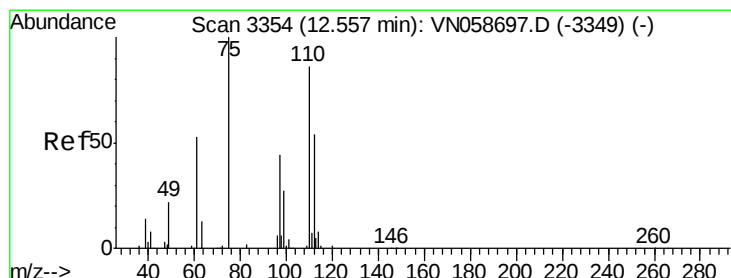
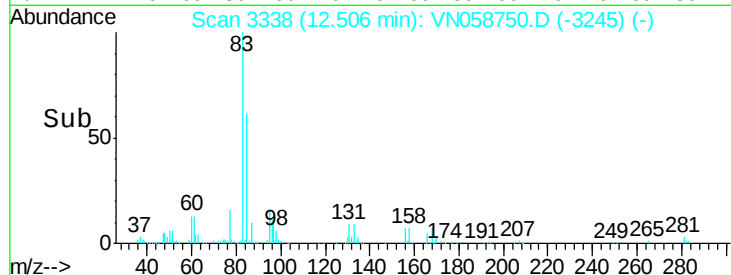
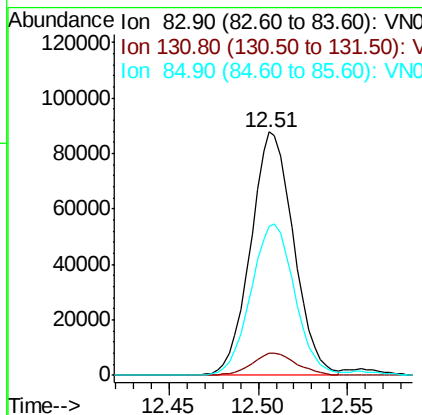
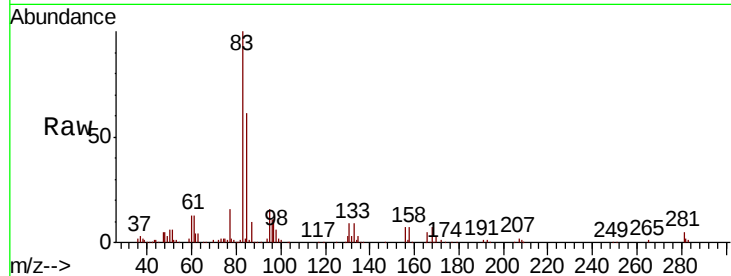
ClientSampleId :

VN1014WBS01

Tot Ion:	83	Resp:	147517
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.4
85	63.5	31.9	95.5

Manual Integrations
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10/16/2019 12:57:00 AM



#76

1,2,3-Trichloropropane

Concen: 23.084 ug/l m

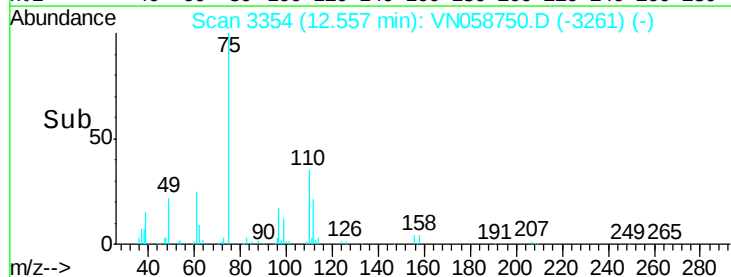
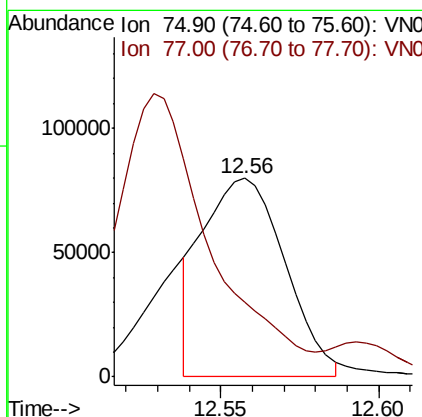
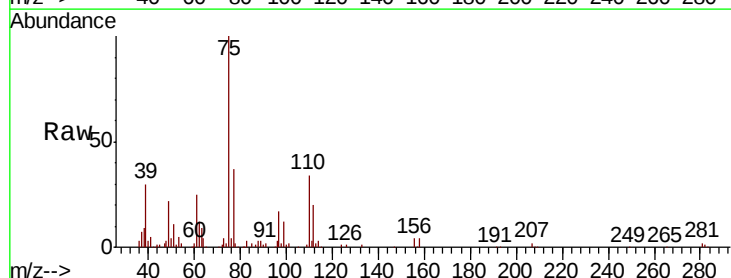
RT: 12.56 min Scan# 3354

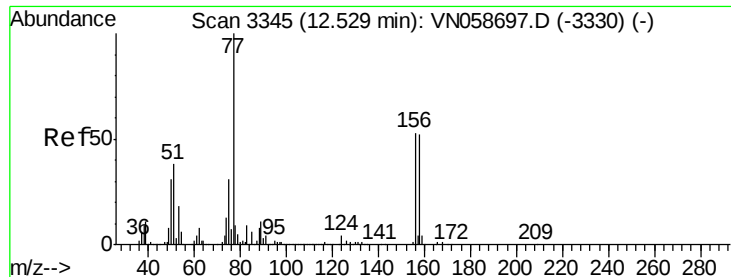
Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Tgt Ion:	75	Resp:	143874
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.274 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

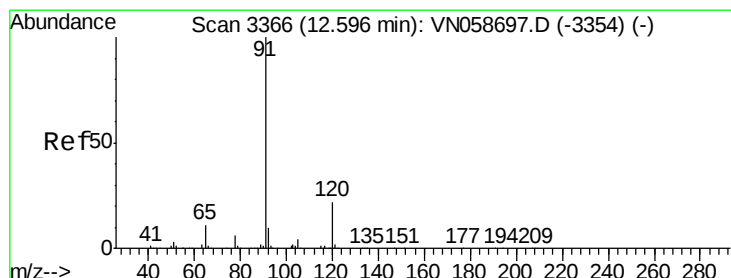
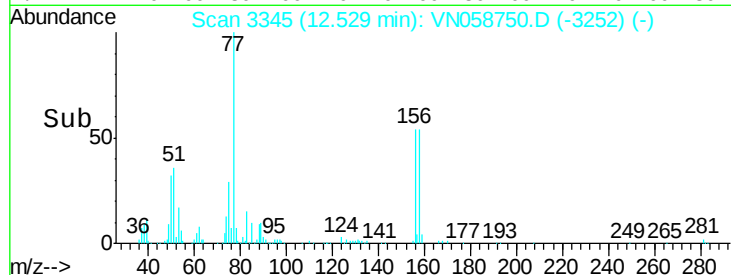
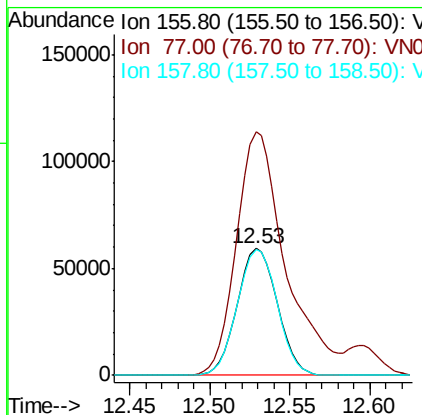
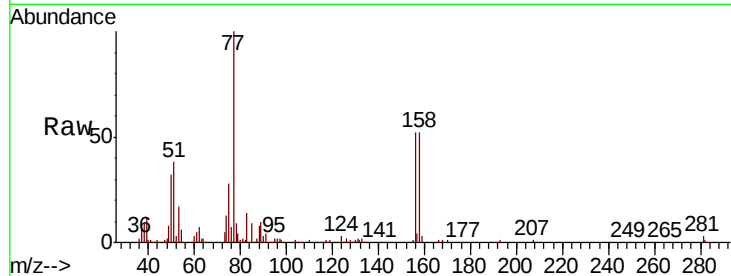
ClientSampleId :

VN1014WBS01

Tot Ion:	156	Resp:	101467
Ion Ratio	Lower	Upper	
156	100		
77	234.1	115.8	347.3
158	99.3	48.9	146.6

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#78

n-propylbenzene

Concen: 21.346 ug/l

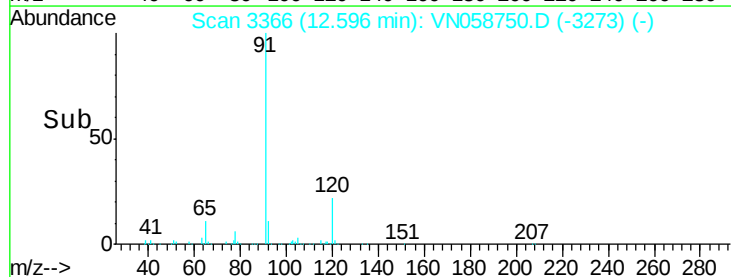
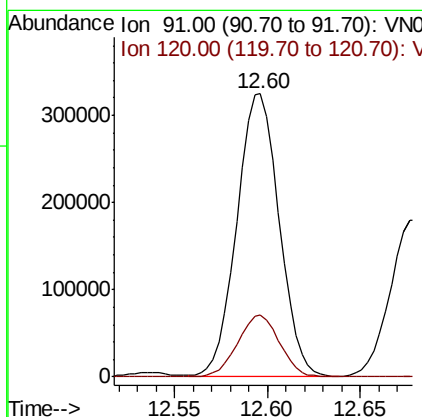
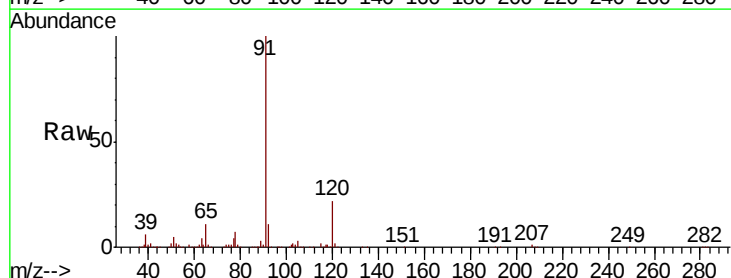
RT: 12.60 min Scan# 3366

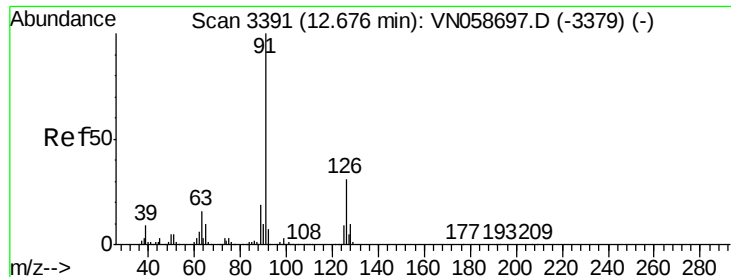
Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Tgt Ion:	91	Resp:	511783
Ion Ratio	Lower	Upper	
91	100		
120	21.7	11.1	33.3





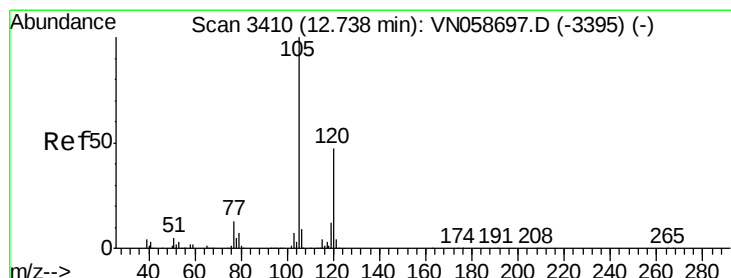
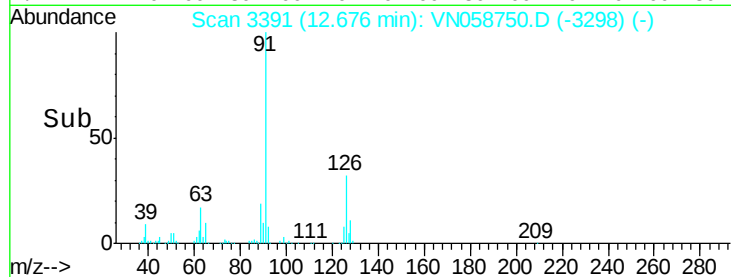
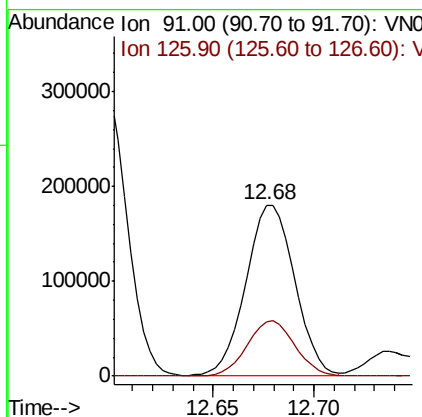
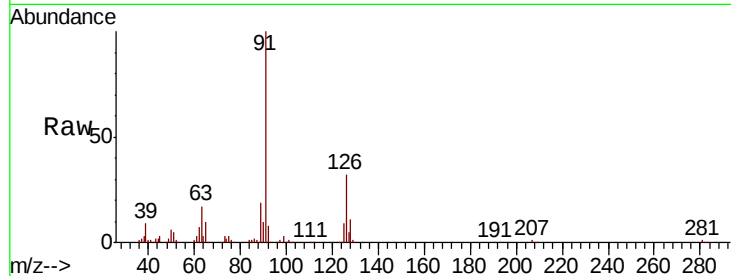
#79
 2-Chlorotoluene
 Concen: 20.424 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Tot Ion: 91 Resp: 303940
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.2 48.5

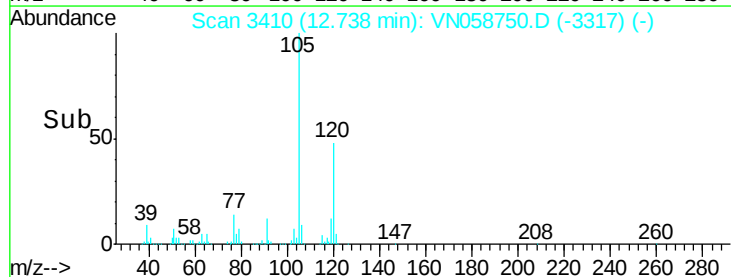
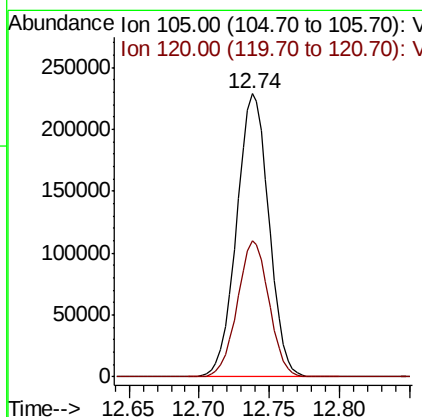
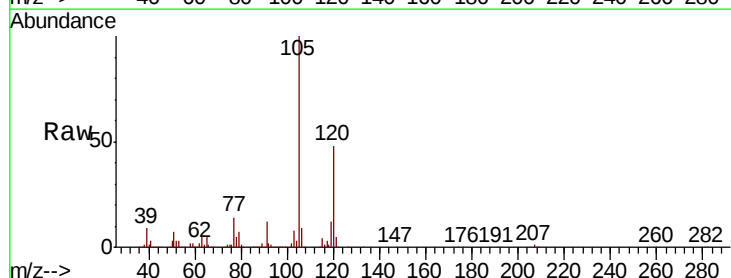
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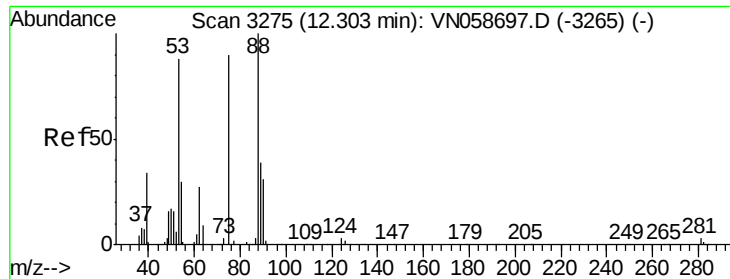
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.820 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Tgt Ion: 105 Resp: 365729
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.4 70.2





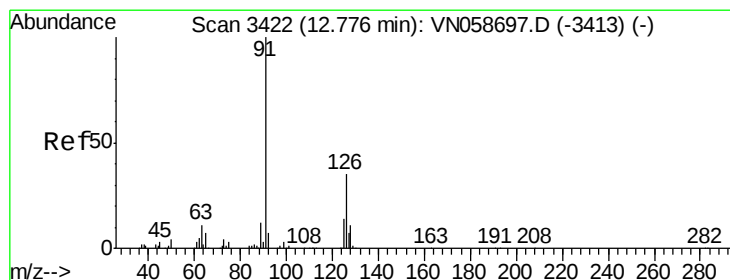
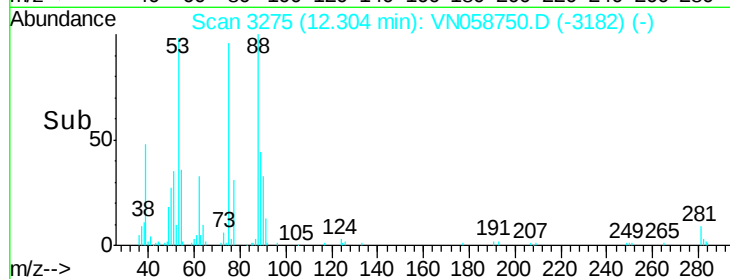
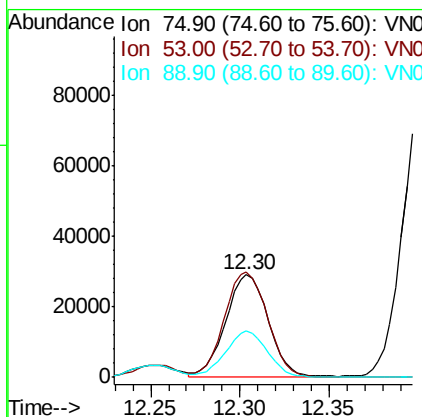
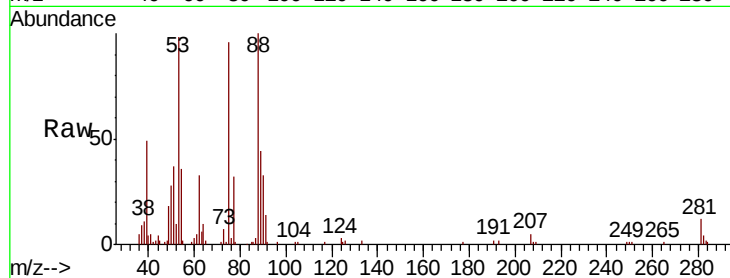
#81
trans-1,4-Dichloro-2-butene
Concen: 20.673 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.5	78.4	117.6
89	45.3	34.9	52.3

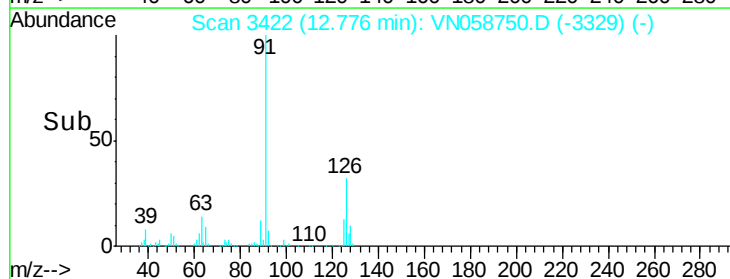
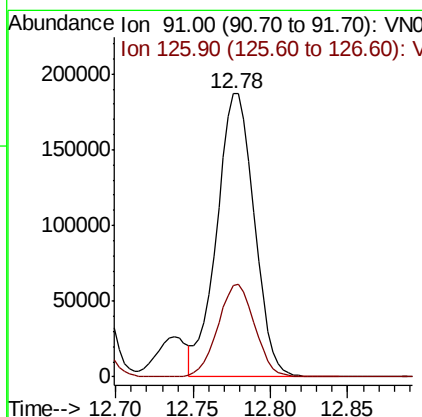
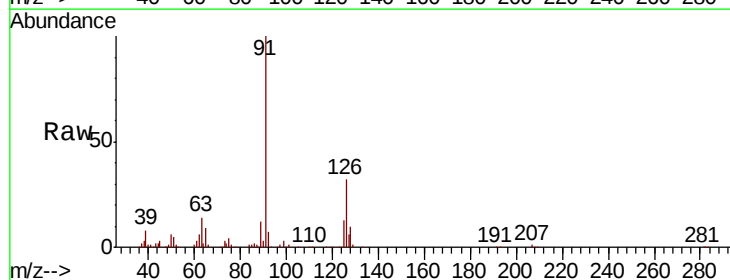
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#82
4-Chlorotoluene
Concen: 20.512 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.9	47.6





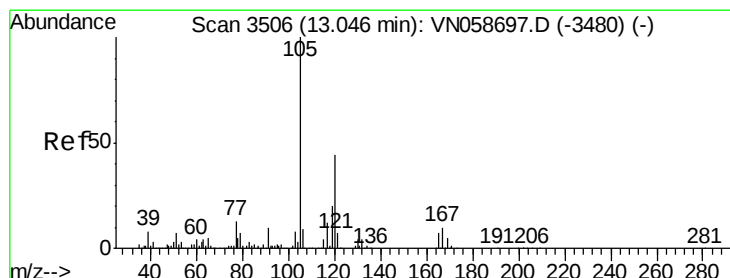
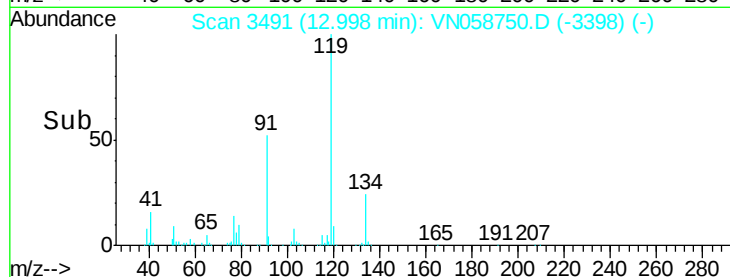
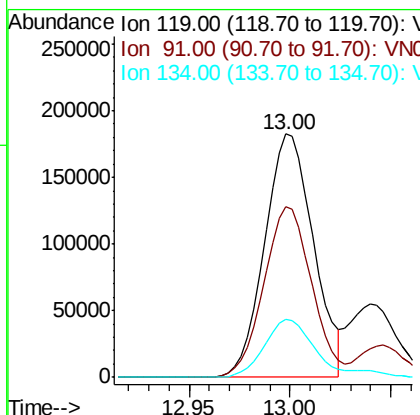
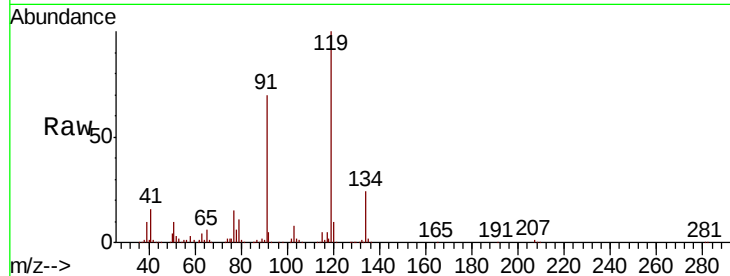
#83
 tert-Butylbenzene
 Concen: 20.441 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	33.8	101.3
134	25.7	12.6	37.6

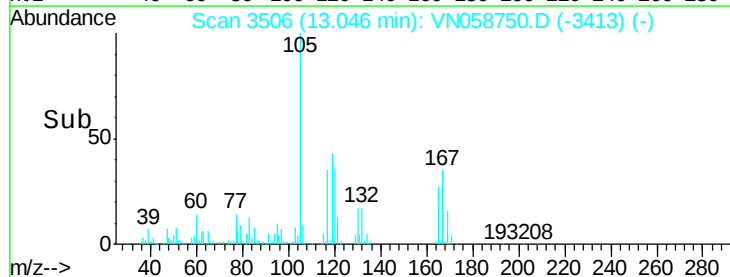
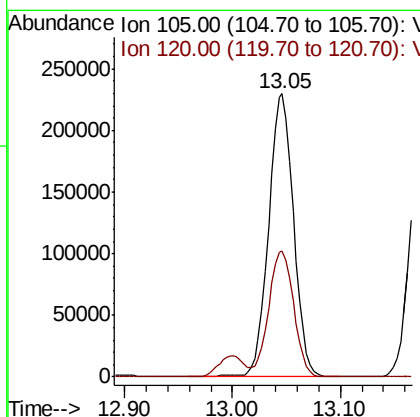
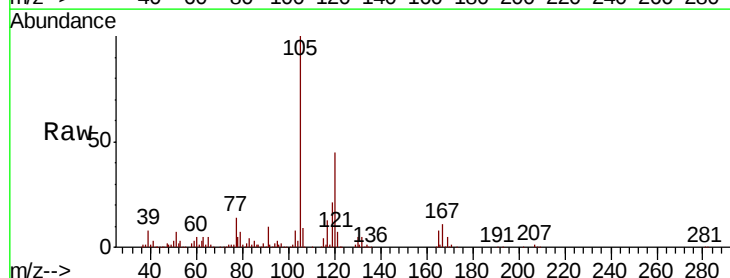
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.048 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	21.9	65.7





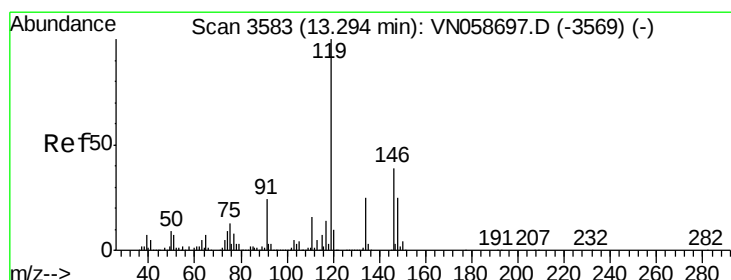
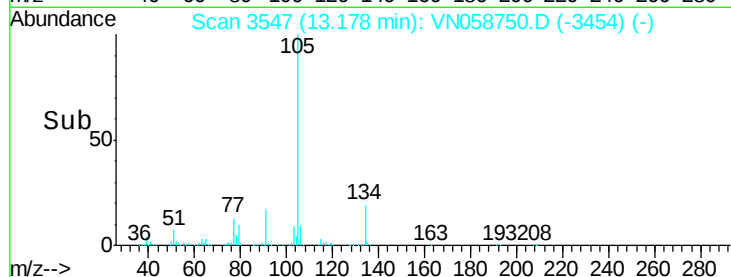
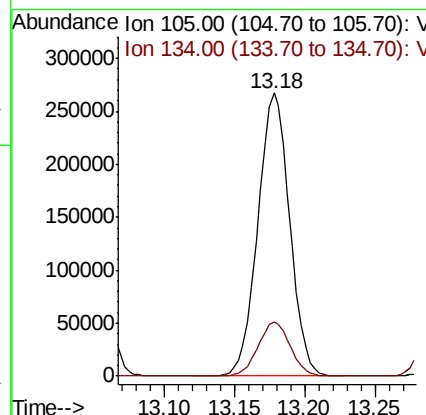
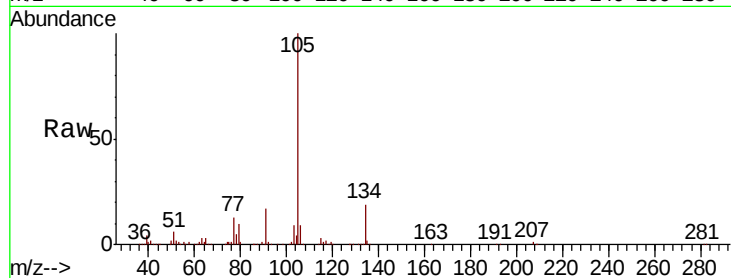
#85
 sec-Butylbenzene
 Concen: 21.207 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	29.1

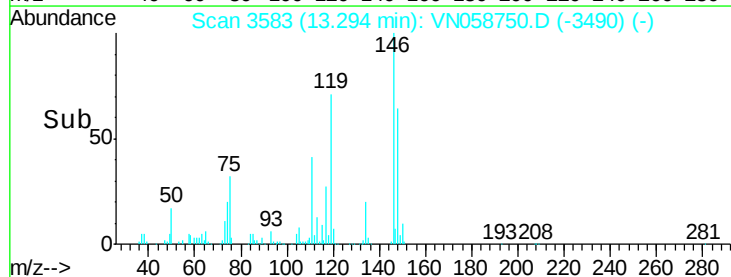
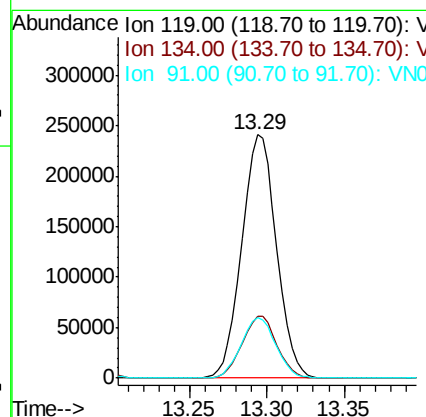
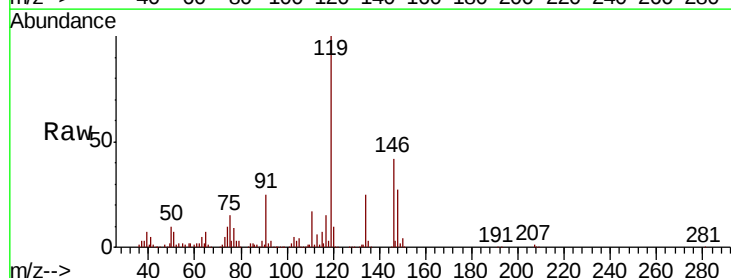
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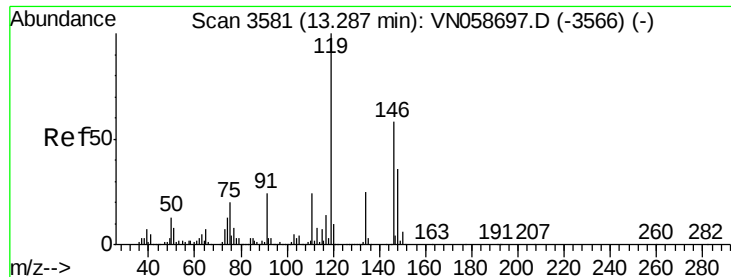
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#86
 p-Isopropyltoluene
 Concen: 20.714 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.7	38.1
91	25.3	11.9	35.5





#87

1,3-Dichlorobenzene

Concen: 20.253 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058750.D

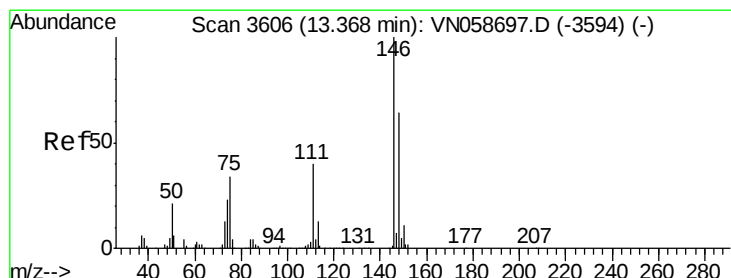
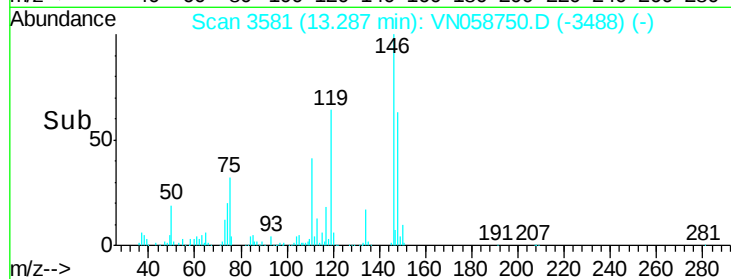
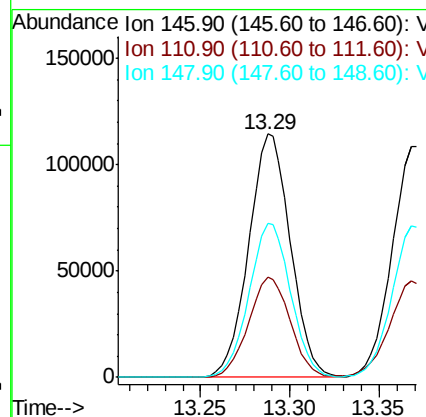
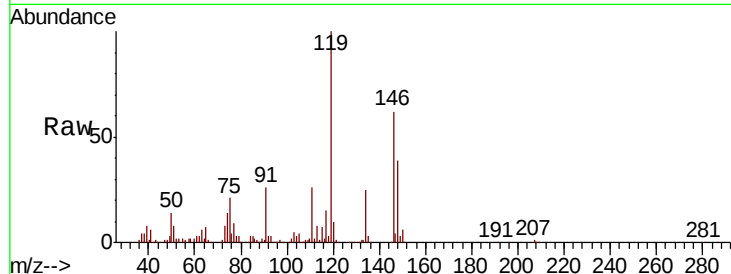
Acq: 14 Oct 2019 15:27

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.6
148	63.3	31.3	93.9

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#88

1,4-Dichlorobenzene

Concen: 19.261 ug/l

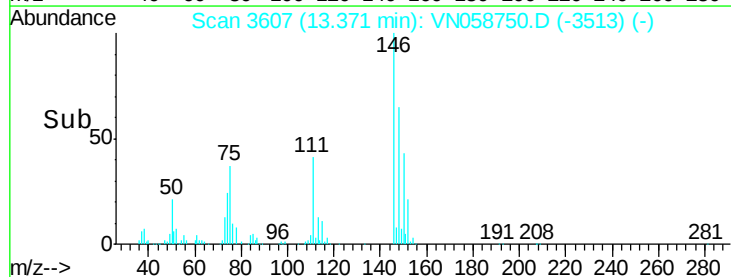
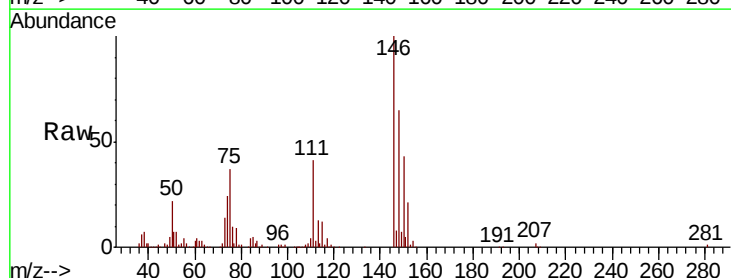
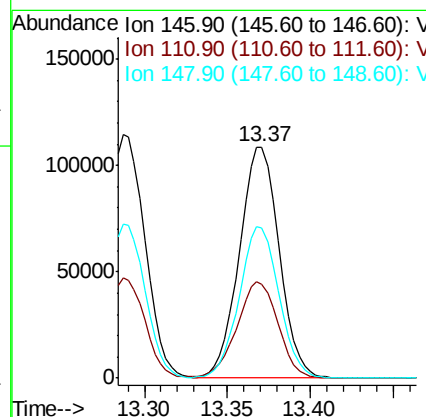
RT: 13.37 min Scan# 3607

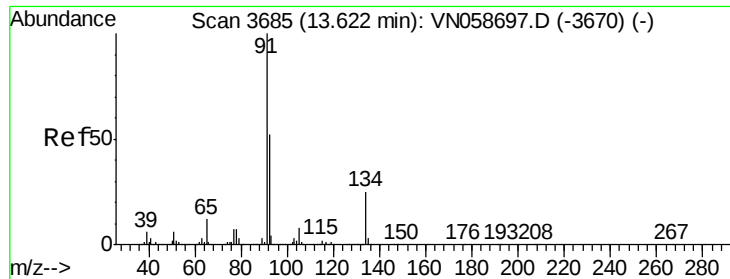
Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.1	60.2
148	65.7	31.9	95.7





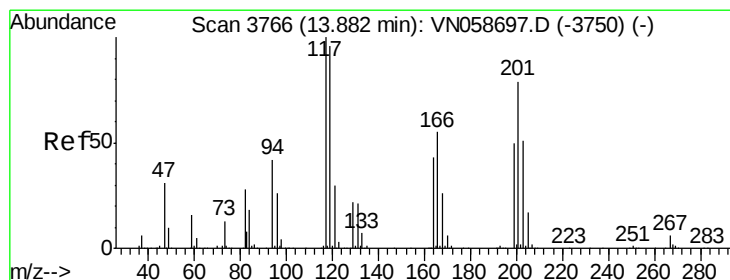
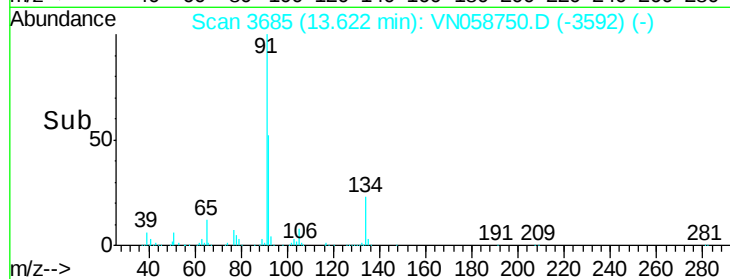
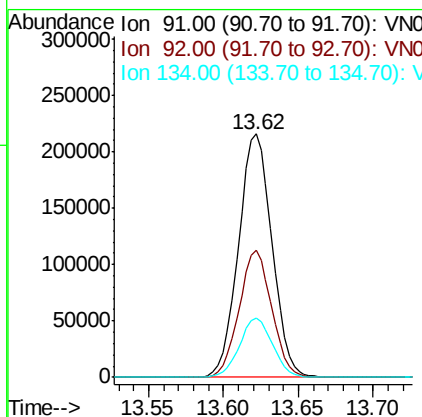
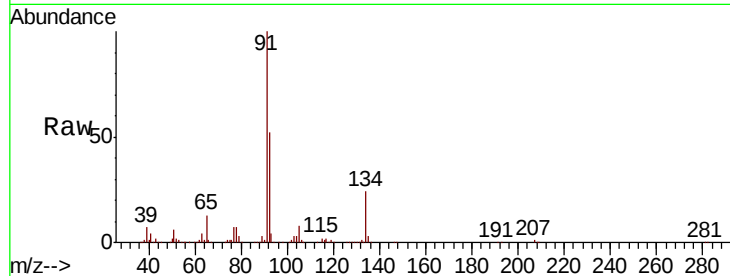
#89
n-Butylbenzene
Concen: 20.198 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.0	78.0
134	23.8	12.2	36.6

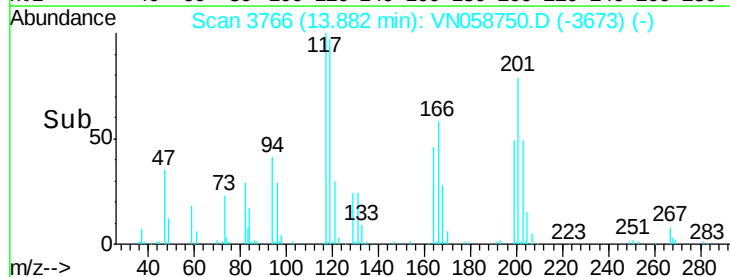
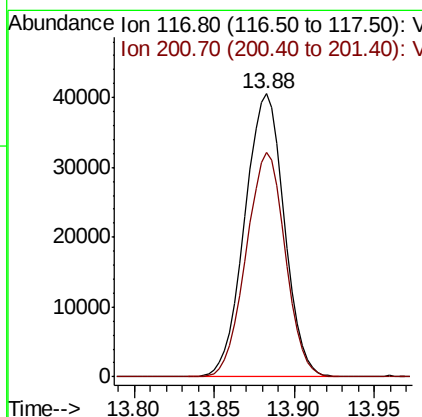
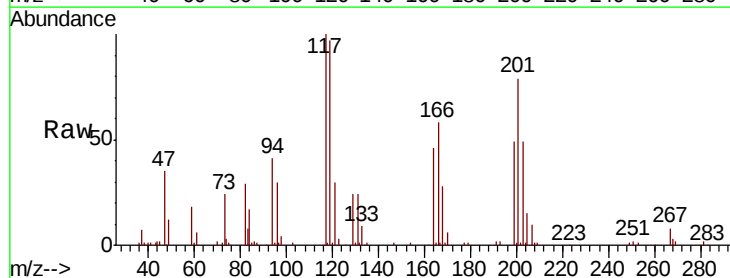
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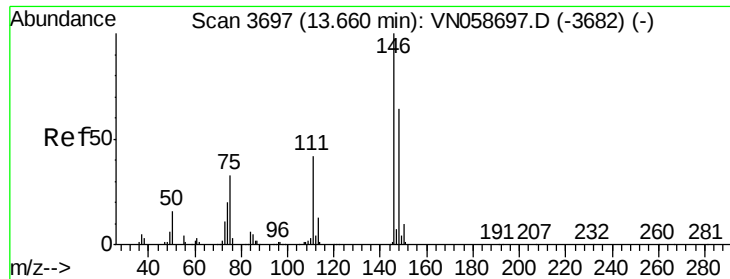
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10/16/2019 12:57:00 AM



#90
Hexachloroethane
Concen: 21.205 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	39.6	118.7





#91

1,2-Dichlorobenzene

Concen: 20.508 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

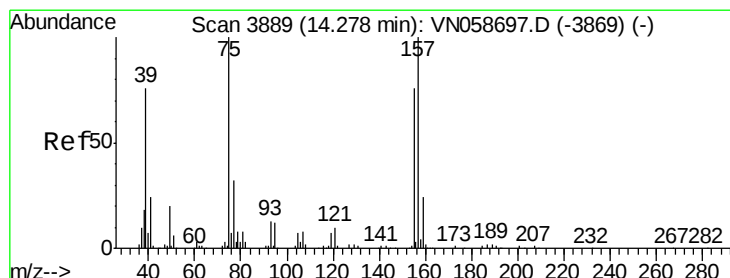
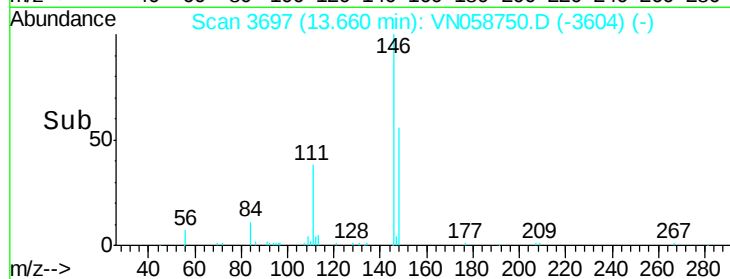
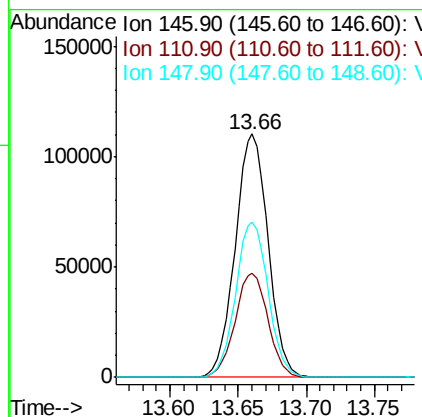
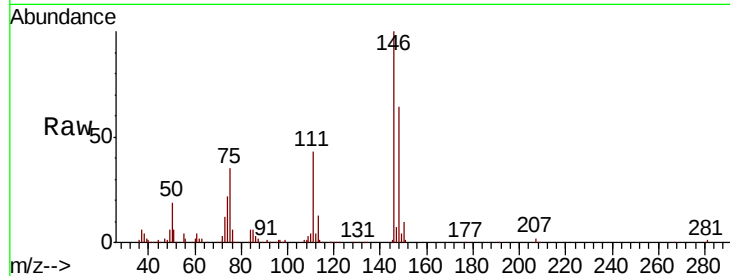
ClientSampleId :

VN1014WBS01

Tot Ion:	146	Resp:	184481
Ion Ratio	Lower	Upper	
146	100		
111	42.8	21.1	63.4
148	63.2	31.8	95.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.001 ug/l

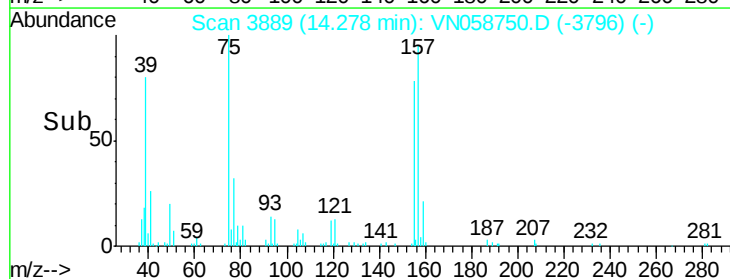
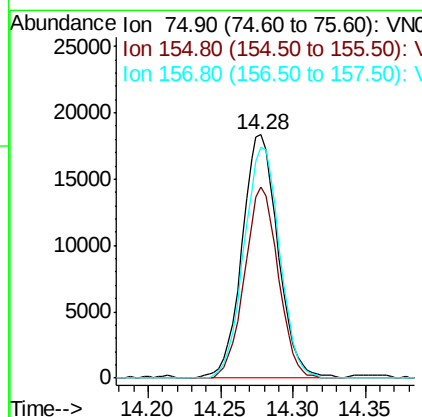
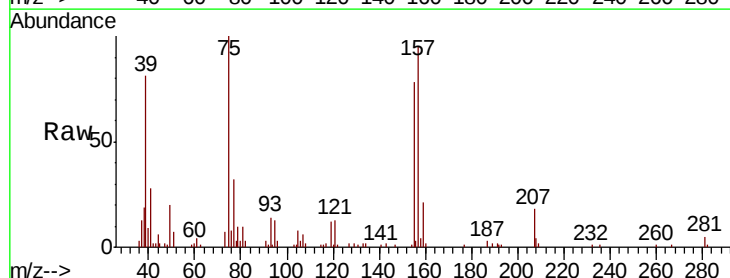
RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Tgt Ion:	75	Resp:	31672
Ion Ratio	Lower	Upper	
75	100		
155	73.2	37.9	113.6
157	94.3	49.4	148.2





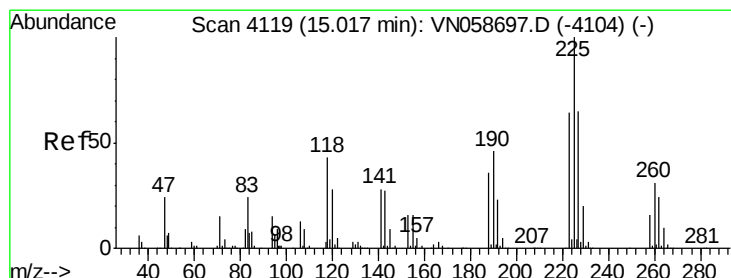
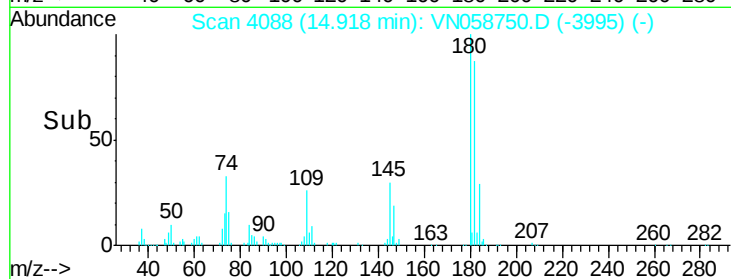
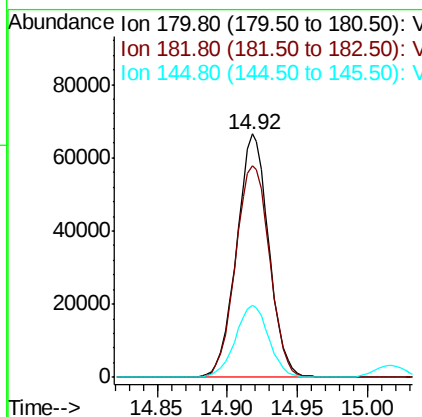
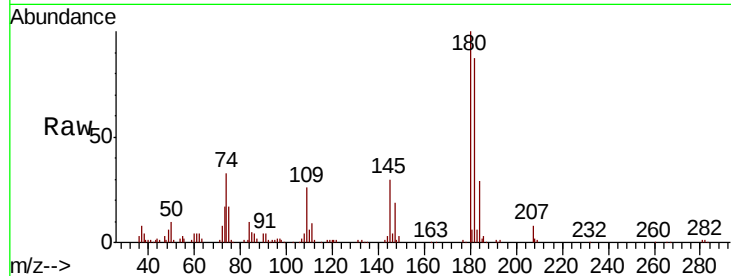
#93
 1,2,4-Trichlorobenzene
 Concen: 19.348 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106172		
182	92.4	47.4	142.2	
145	30.8	15.4	46.2	

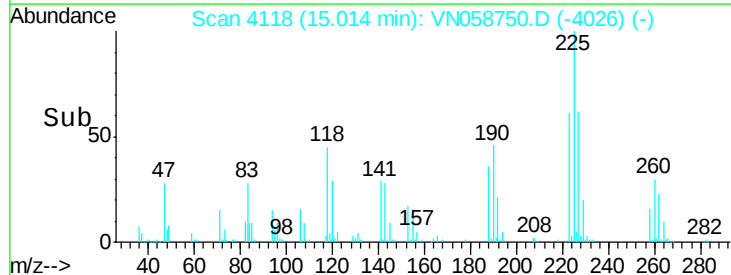
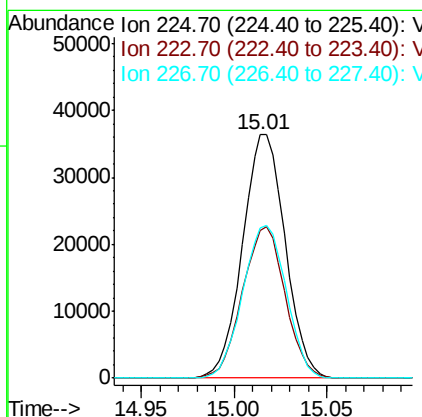
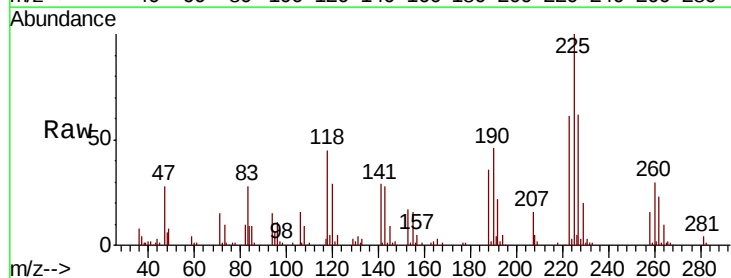
Manual Integrations
 APPROVED

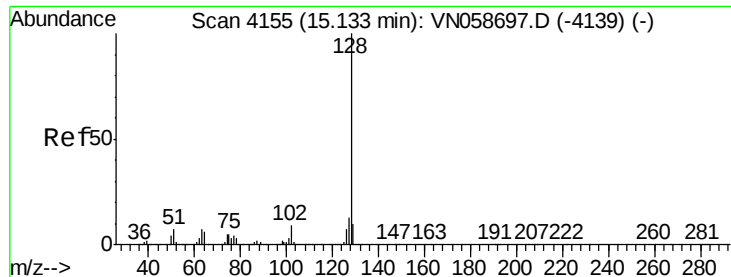
MMDadoda
 10/16/2019 12:57:00 AM



#94
 Hexachlorobutadiene
 Concen: 20.222 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58435		
223	62.2	32.3	96.8	
227	64.0	32.4	97.0	





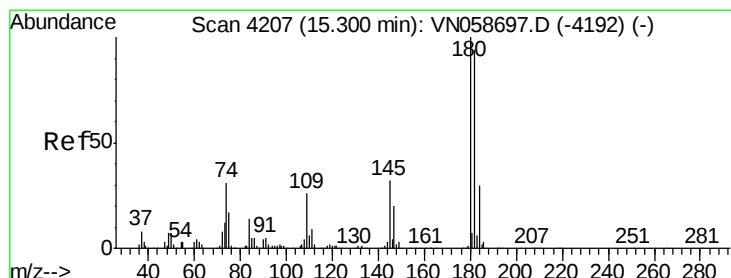
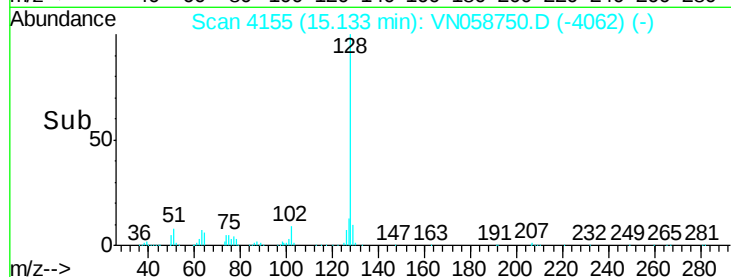
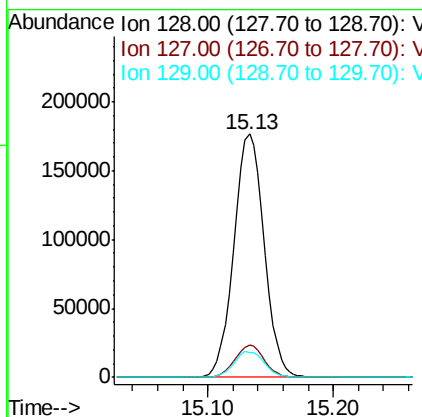
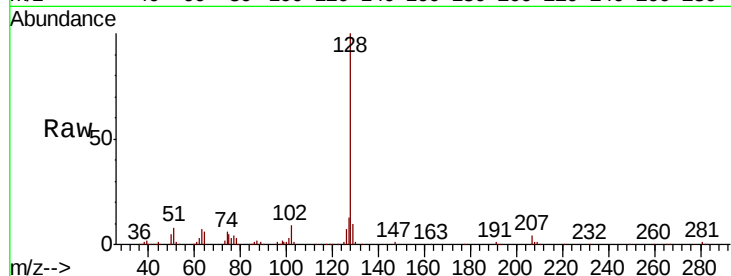
#95
Naphthalene
Concen: 18.775 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.7	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:57:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.389 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	142.0
145	31.5	16.2	48.6

