

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
 Data File : VN052003.D
 Acq On : 25 Oct 2018 11:21
 Operator : MD\SY
 Sample : VN1025WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 9:19:38 AM

Quant Time: Oct 26 01:45:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1163249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1704187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1567235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	768216	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	506490	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
35) Dibromofluoromethane	7.59	113	522572	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
50) Toluene-d8	10.09	98	1913484	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
62) 4-Bromofluorobenzene	12.40	95	627433	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	131011	17.748	ug/l	99
3) Chloromethane	2.07	50	124626	18.750	ug/l	97
4) Vinyl Chloride	2.19	62	157263	17.652	ug/l	100
5) Bromomethane	2.57	94	159816	18.736	ug/l	97
6) Chloroethane	2.71	64	115017	17.389	ug/l	94
7) Trichlorofluoromethane	3.02	101	291262	18.348	ug/l	97
8) Diethyl Ether	3.42	74	89668	18.999	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	179086	18.832	ug/l	100
10) Methyl Iodide	3.96	142	280060	19.905	ug/l	97
11) Tert butyl alcohol	4.79	59	43661	81.432	ug/l	98
12) 1,1-Dichloroethene	3.74	96	163207	19.164	ug/l	97
13) Acrolein	3.61	56	22013	97.967	ug/l	99
14) Allyl chloride	4.33	41	164058	18.205	ug/l	97
15) Acrylonitrile	4.99	53	228757	101.070	ug/l #	88
16) Acetone	3.82	43	150403	88.115	ug/l	99
17) Carbon Disulfide	4.06	76	352681	17.422	ug/l	100
18) Methyl Acetate	4.33	43	105275	18.872	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	441367	19.304	ug/l	93
20) Methylene Chloride	4.56	84	182483	18.224	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	183645	19.041	ug/l	98
22) Diisopropyl ether	5.96	45	391549	18.991	ug/l	98
23) Vinyl Acetate	5.90	43	1353570	96.509	ug/l	99
24) 1,1-Dichloroethane	5.85	63	276277	18.354	ug/l	99
25) 2-Butanone	6.83	43	243622	100.118	ug/l	98
26) 2,2-Dichloropropane	6.83	77	257489	18.697	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	213449	18.944	ug/l	98
28) Bromochloromethane	7.20	49	119470	19.693	ug/l	96
29) Tetrahydrofuran	7.22	42	161049	97.684	ug/l	99
30) Chloroform	7.37	83	347112	18.885	ug/l	99
31) Cyclohexane	7.66	56	239165	18.114	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	310537	18.477	ug/l	99
36) 1,1-Dichloropropene	7.80	75	241311	18.459	ug/l	99
37) Ethyl Acetate	6.93	43	114585	18.406	ug/l	99
38) Carbon Tetrachloride	7.78	117	275055	18.328	ug/l	97

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 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	285272	17.867	ug/l	98
40) Benzene	8.04	78	725235	18.685	ug/l	100
41) Methacrylonitrile	7.17	41	47248m	16.084	ug/l	
42) 1,2-Dichloroethane	8.13	62	229810	18.466	ug/l	99
43) Isopropyl Acetate	8.17	43	212039	19.368	ug/l #	87
44) Trichloroethene	8.84	130	235096	18.870	ug/l	98
45) 1,2-Dichloropropane	9.12	63	165759	18.878	ug/l	98
46) Dibromomethane	9.21	93	134730	19.035	ug/l	97
47) Bromodichloromethane	9.40	83	245179	18.342	ug/l	98
48) Methyl methacrylate	9.20	41	99376	18.780	ug/l	97
49) 1,4-Dioxane	9.20	88	29258	301.532	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	589715	97.925	ug/l	99
52) Toluene	10.16	92	501393	19.050	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	232426	17.846	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	262343	18.777	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	186765	19.205	ug/l	99
56) Ethyl methacrylate	10.43	69	201434	19.270	ug/l	99
57) 1,3-Dichloropropane	10.71	76	279219	18.913	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	536585	98.102	ug/l	100
59) 2-Hexanone	10.75	43	394278	97.444	ug/l	100
60) Dibromochloromethane	10.90	129	202485	17.654	ug/l	98
61) 1,2-Dibromoethane	11.01	107	196979	19.211	ug/l	99
64) Tetrachloroethene	10.63	164	226238	18.808	ug/l	96
65) Chlorobenzene	11.43	112	600163	18.967	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	218119	19.178	ug/l	99
67) Ethyl Benzene	11.51	91	946948	18.617	ug/l	99
68) m/p-Xylenes	11.62	106	784787	38.617	ug/l	98
69) o-Xylene	11.95	106	378498	19.151	ug/l	100
70) Styrene	11.96	104	599898	18.990	ug/l	99
71) Bromoform	12.13	173	124039	17.316	ug/l #	98
73) Isopropylbenzene	12.25	105	1010504	20.741	ug/l	100
74) N-amyl acetate	12.07	43	187091	19.510	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	196198	19.489	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	169483m	21.358	ug/l	
77) Bromobenzene	12.53	156	279015	20.751	ug/l	97
78) n-propylbenzene	12.59	91	1057614	20.123	ug/l	100
79) 2-Chlorotoluene	12.67	91	628899	20.548	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	809308	20.705	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	41892	18.207	ug/l	95
82) 4-Chlorotoluene	12.77	91	631564	19.931	ug/l	99
83) tert-Butylbenzene	12.99	119	748563	20.248	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	808544	20.053	ug/l	99
85) sec-Butylbenzene	13.17	105	956205	19.803	ug/l	99
86) p-Isopropyltoluene	13.29	119	862160	19.833	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	476153	19.200	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	476993	19.510	ug/l	100
89) n-Butylbenzene	13.62	91	643619	18.594	ug/l	99
90) Hexachloroethane	13.87	117	120990	18.682	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	446779	18.623	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22127	14.315	ug/l	98

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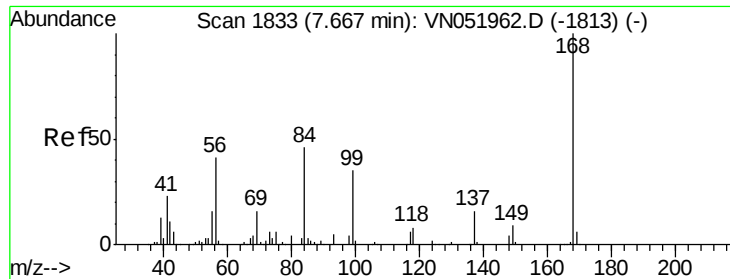
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	163790	11.558	ug/l	99
94) Hexachlorobutadiene	15.01	225	102598	14.090	ug/l	99
95) Naphthalene	15.13	128	321355	10.442	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	134768	9.949	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion:168 Resp: 1163249

Ion Ratio Lower Upper

168 100

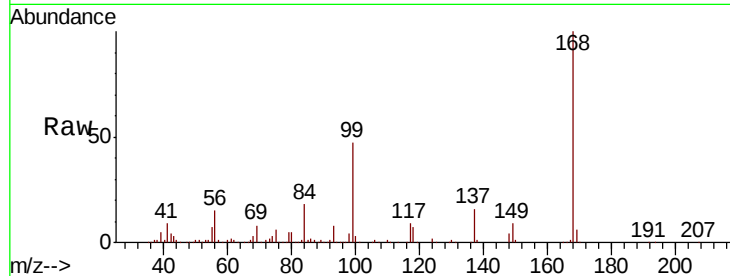
99 47.3 37.8 56.6

Manual Integrations

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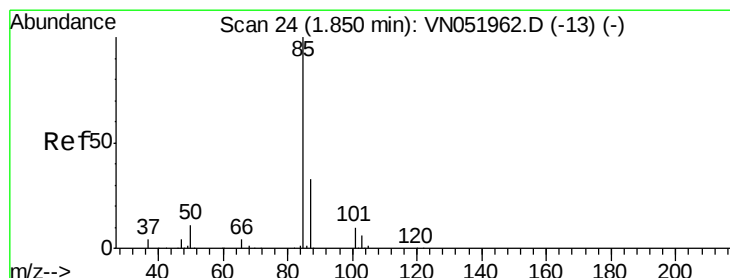
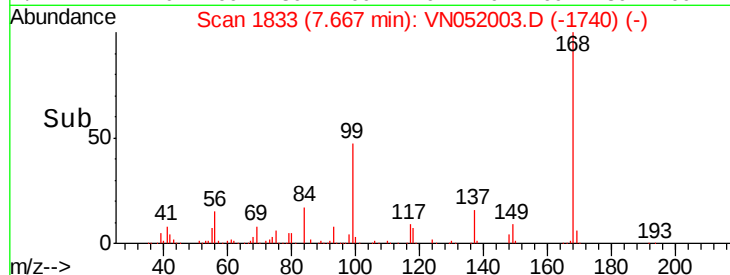
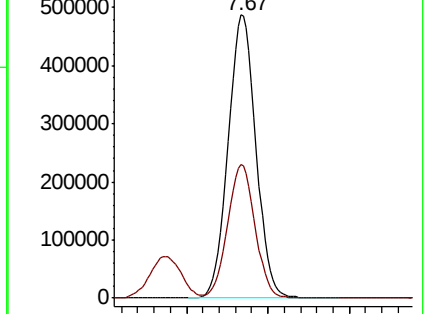
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 17.748 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052003.D

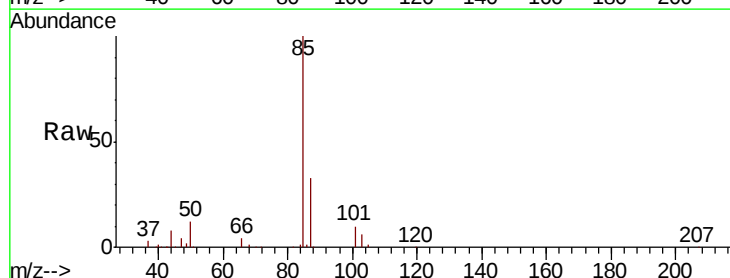
Acq: 25 Oct 2018 11:21

Tgt Ion: 85 Resp: 131011

Ion Ratio Lower Upper

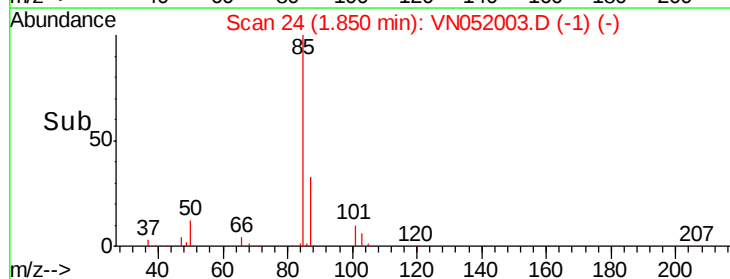
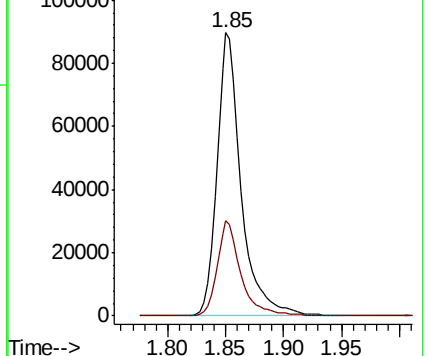
85 100

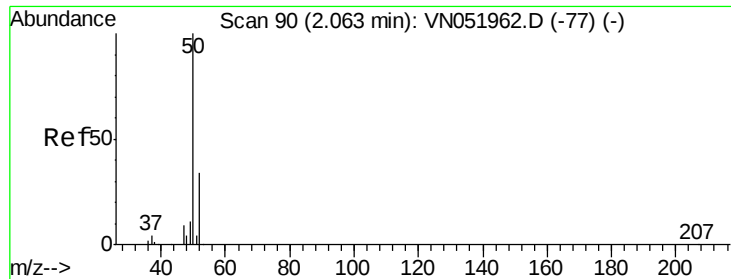
87 33.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.750 ug/l

RT: 2.07 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion: 50 Resp: 124626

Ion Ratio Lower Upper

50 100

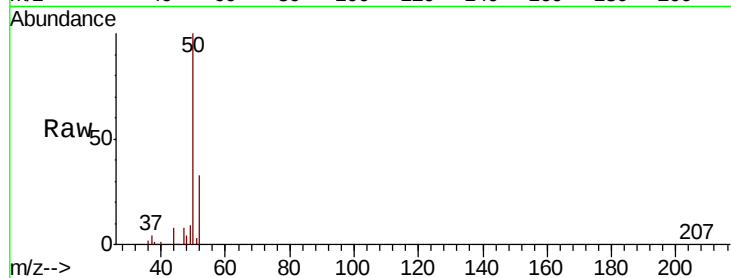
52 32.6 27.5 41.3

Manual Integrations

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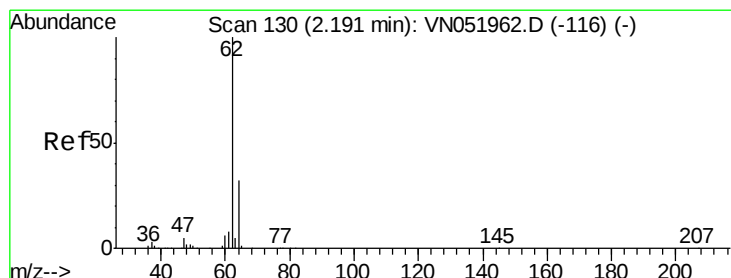
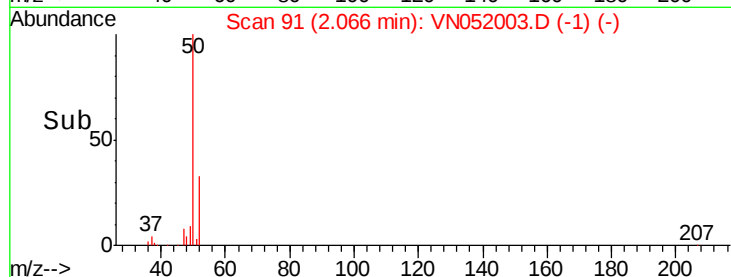
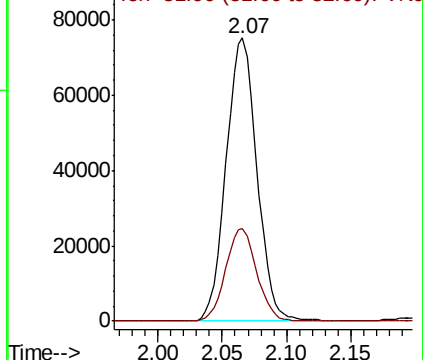
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.652 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052003.D

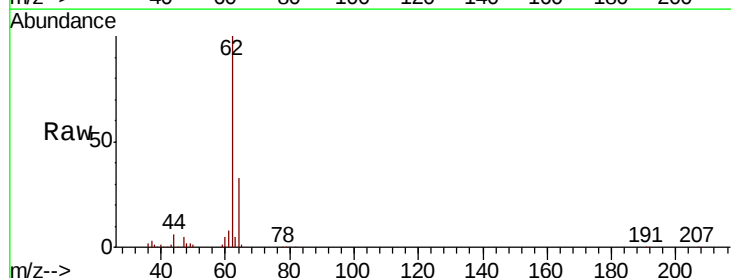
Acq: 25 Oct 2018 11:21

Tgt Ion: 62 Resp: 157263

Ion Ratio Lower Upper

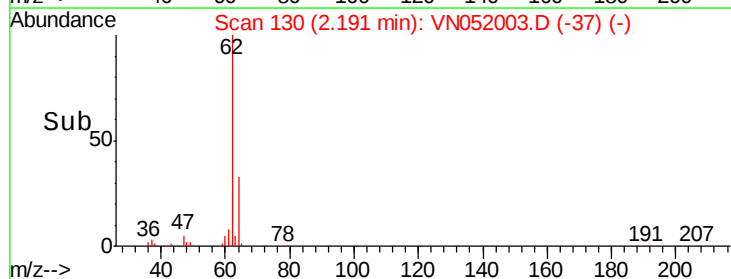
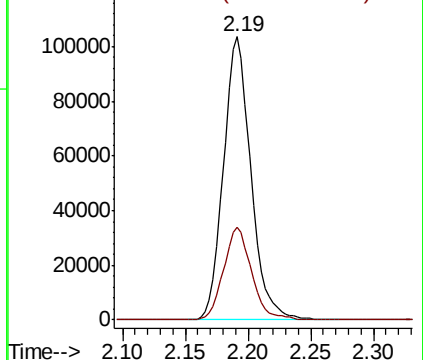
62 100

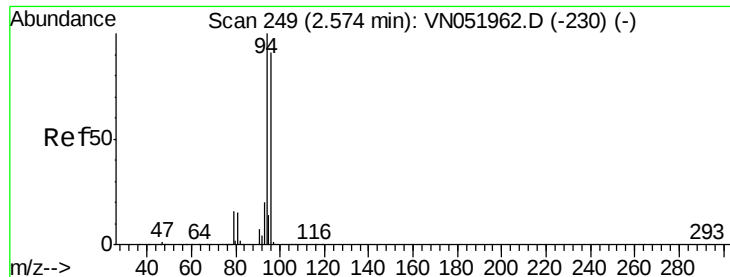
64 32.8 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.736 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

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ClientSampleId :

VN1025WBSD01

Tot Ion: 94 Resp: 159816

Ion Ratio Lower Upper

94 100

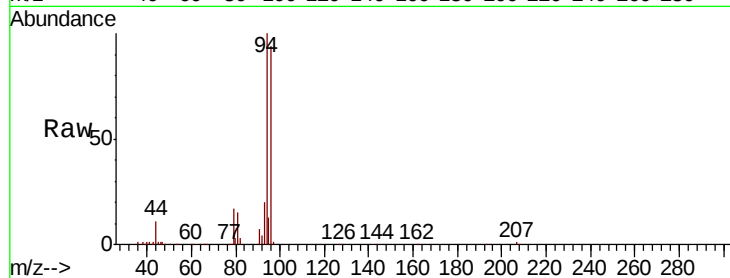
96 94.3 73.0 109.6

Manual Integrations

APPROVED

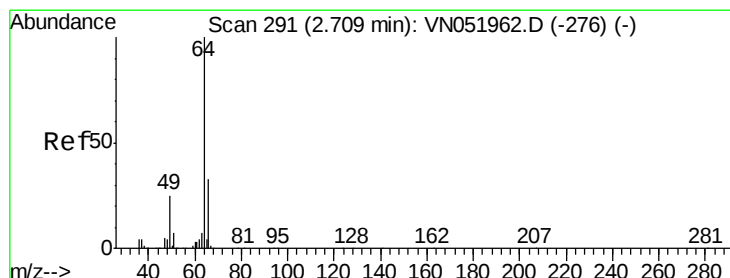
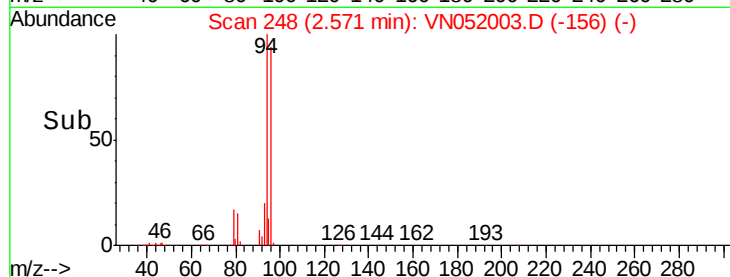
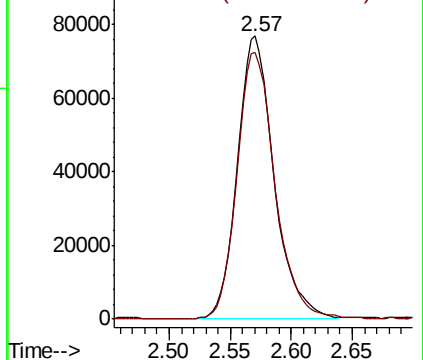
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.389 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052003.D

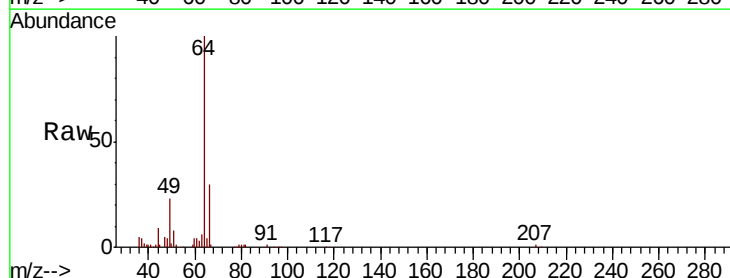
Acq: 25 Oct 2018 11:21

Tgt Ion: 64 Resp: 115017

Ion Ratio Lower Upper

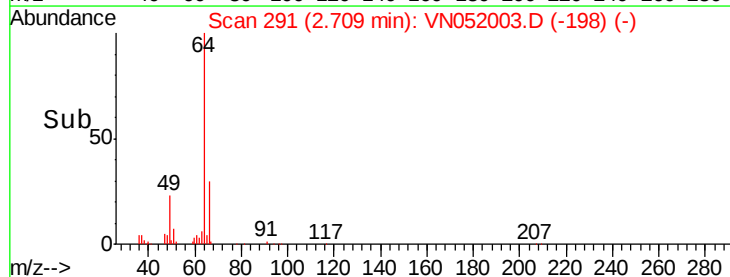
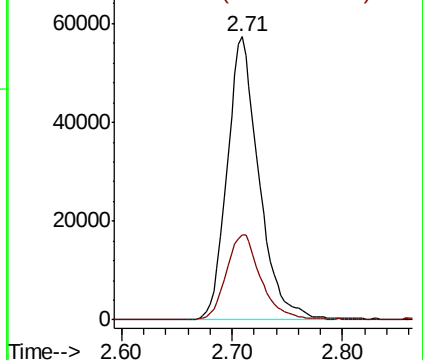
64 100

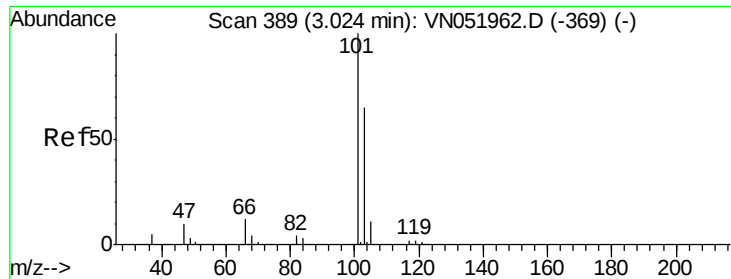
66 29.6 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

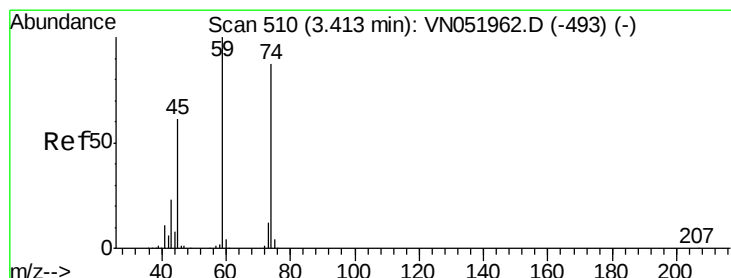
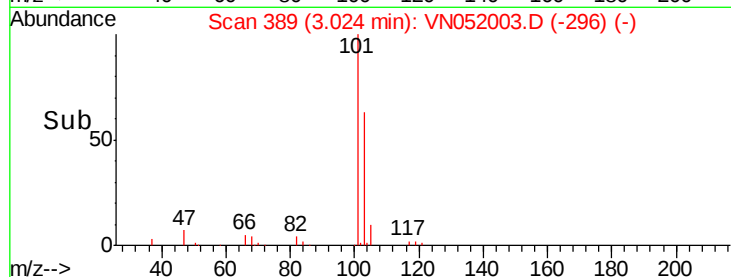
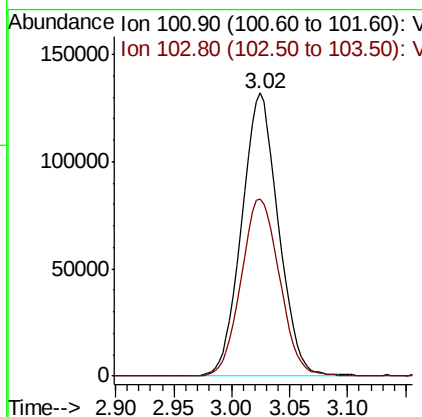
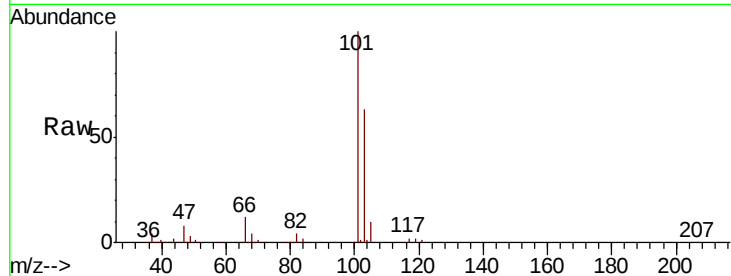
Trichlorofluoromethane
Concen: 18.348 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	52.0	78.0

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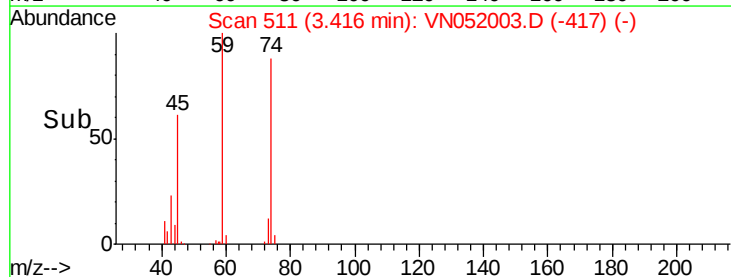
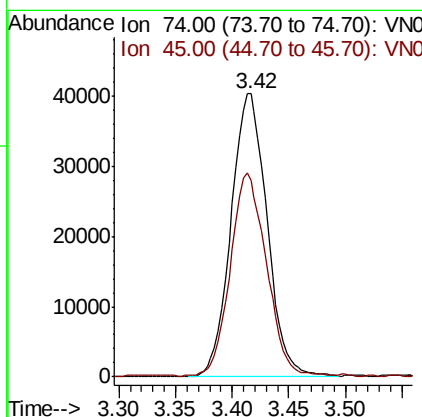
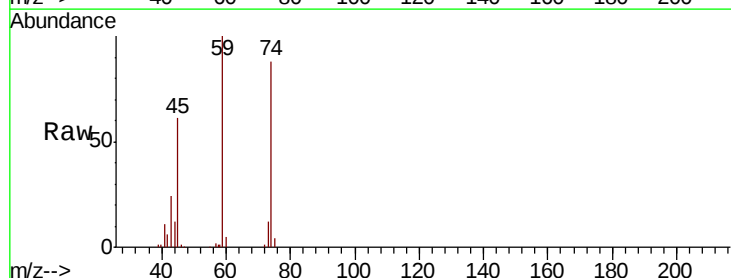
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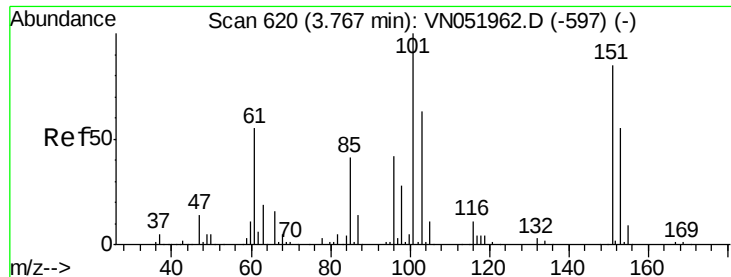


#8

Diethyl Ether
Concen: 18.999 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	72.6	35.5	106.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.832 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

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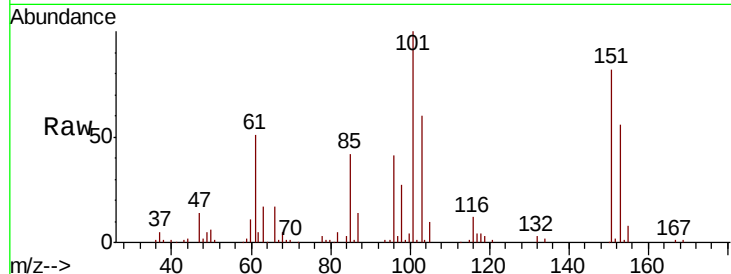
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VN1025WBSD01

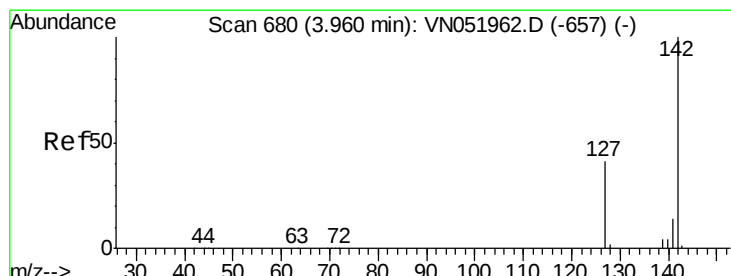
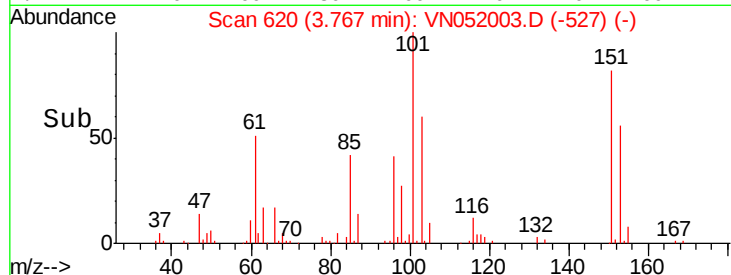
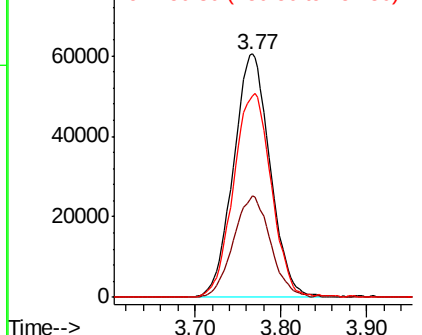
Tot Ion:	101	Resp:	179086
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.4
151	86.4	69.1	103.7

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



#10

Methyl Iodide

Concen: 19.905 ug/l

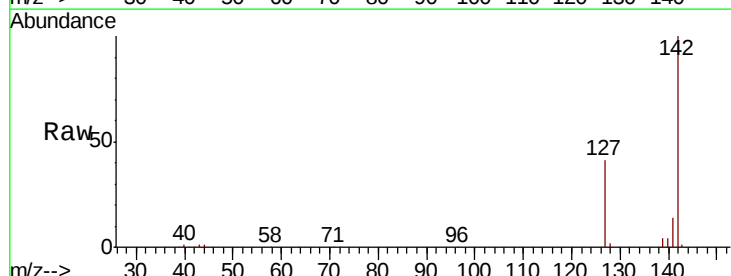
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

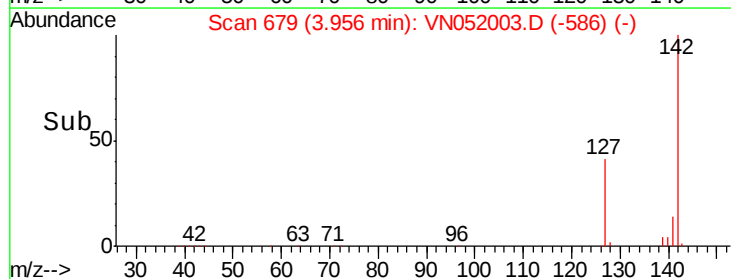
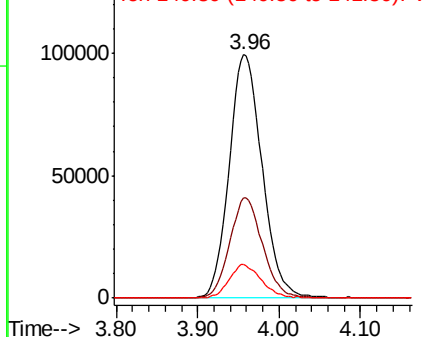
Lab File: VN052003.D

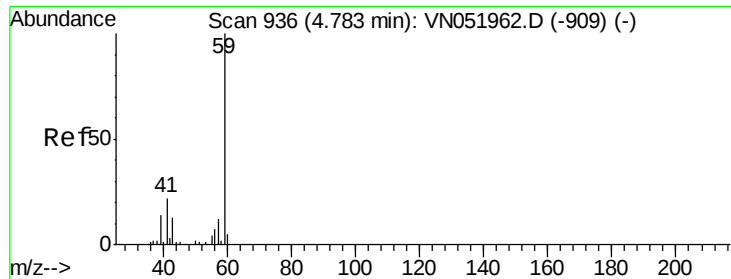
Acq: 25 Oct 2018 11:21

Tgt Ion:	142	Resp:	280060
Ion Ratio	Lower	Upper	
142	100		
127	41.1	34.3	51.5
141	13.5	11.4	17.0



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

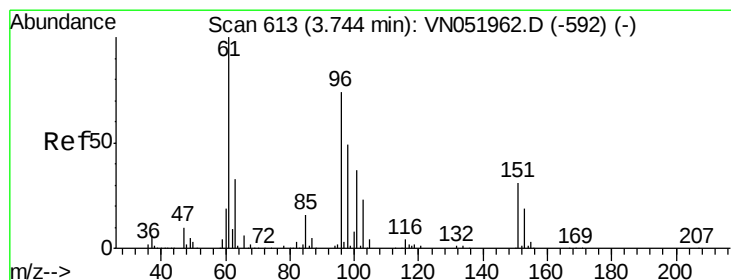
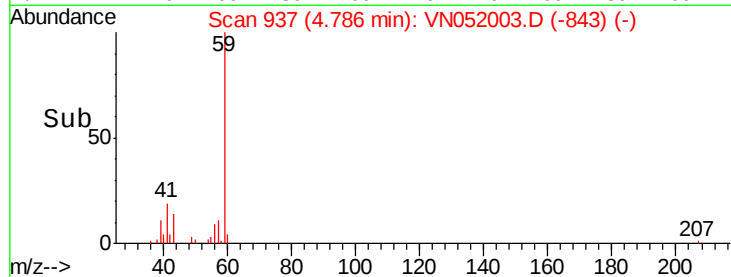
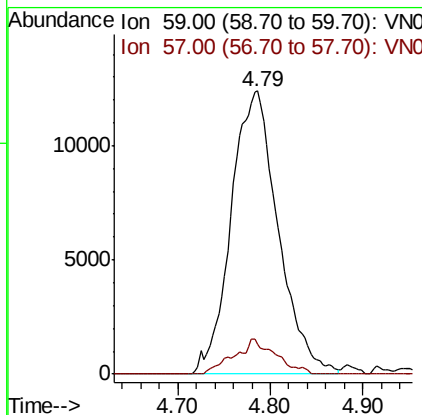
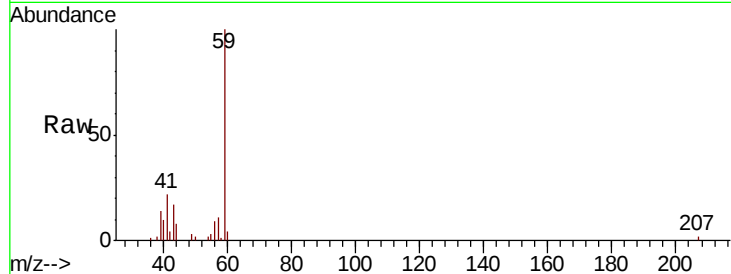
Tert butyl alcohol
Concen: 81.432 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	59	Resp	43661
Ion Ratio	100	Lower	Upper
57	11.0	8.2	12.4

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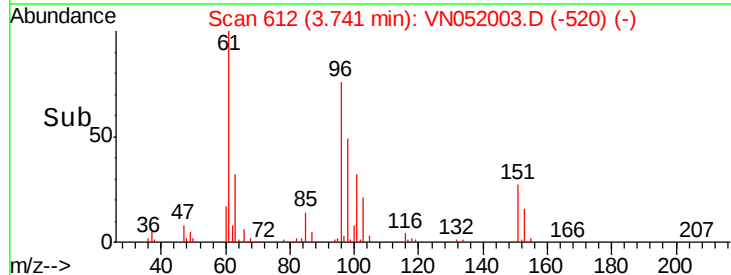
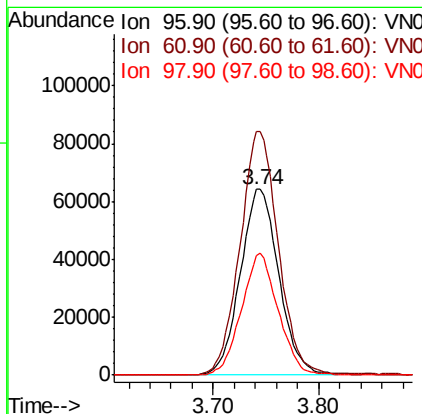
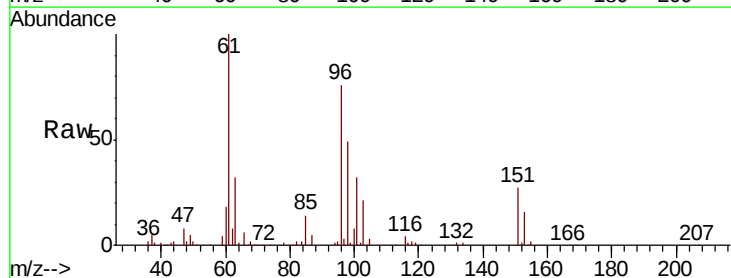
MMDadoda
10/26/2018 9:19:38 AM

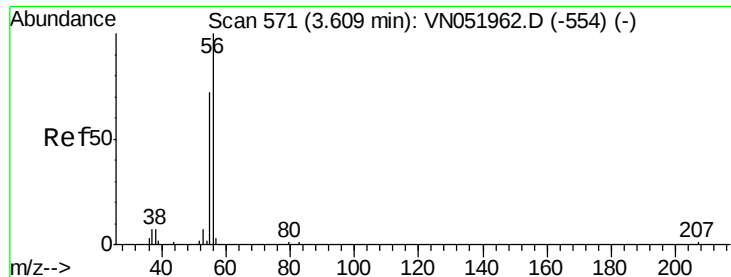


#12

1,1-Dichloroethene
Concen: 19.164 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion	96	Resp	163207
Ion Ratio	100	Lower	Upper
61	131.1	107.8	161.8
98	64.6	52.7	79.1





#13

Acrolein

Concen: 97.967 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion: 56 Resp: 22013

Ion Ratio Lower Upper

56 100

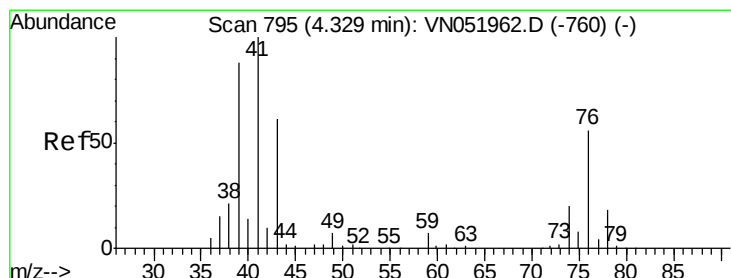
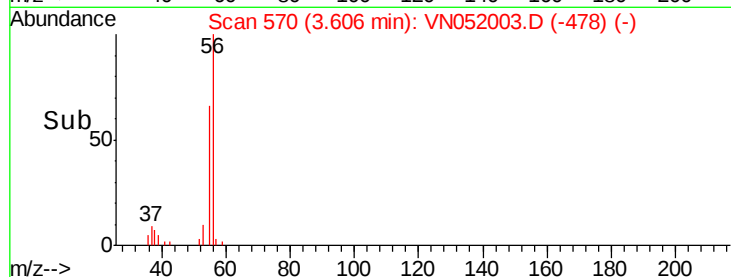
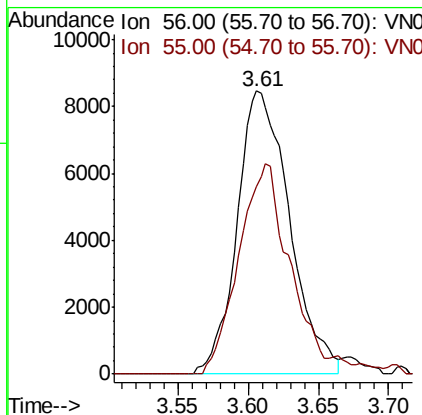
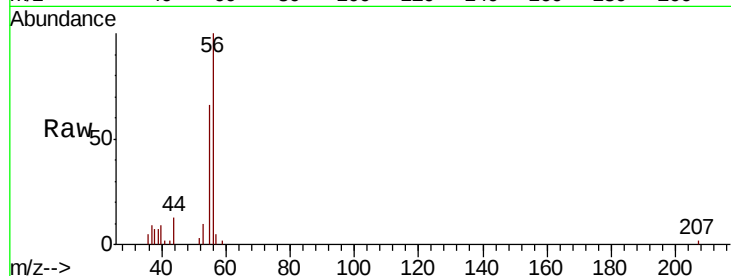
55 71.5 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 18.205 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

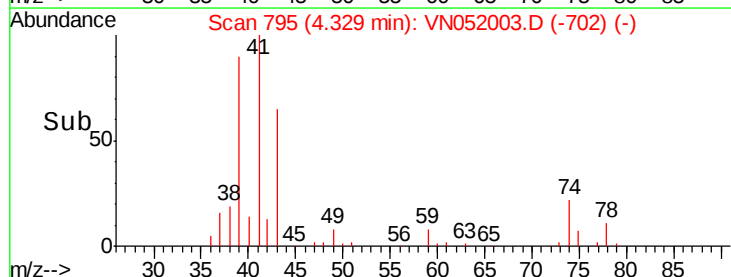
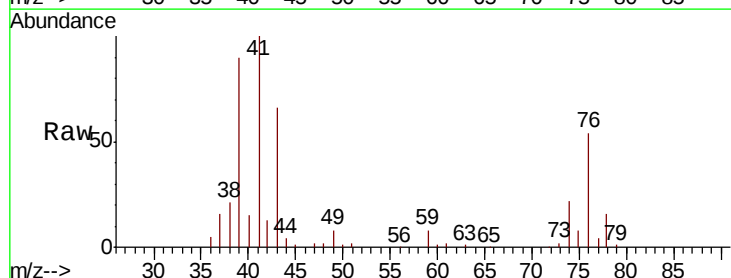
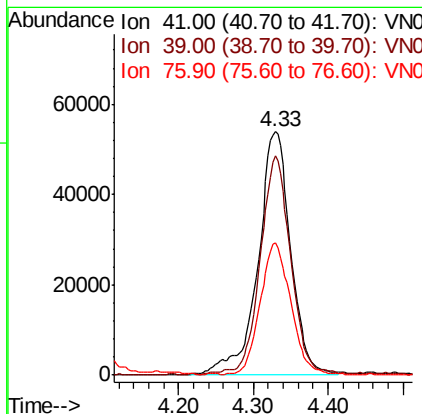
Tgt Ion: 41 Resp: 164058

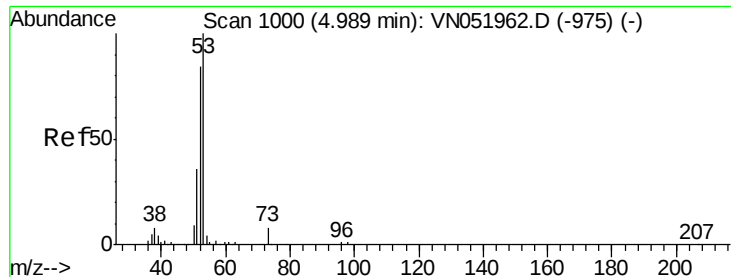
Ion Ratio Lower Upper

41 100

39 80.9 67.7 101.5

76 49.9 41.3 61.9





#15

Acrylonitrile

Concen: 101.070 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

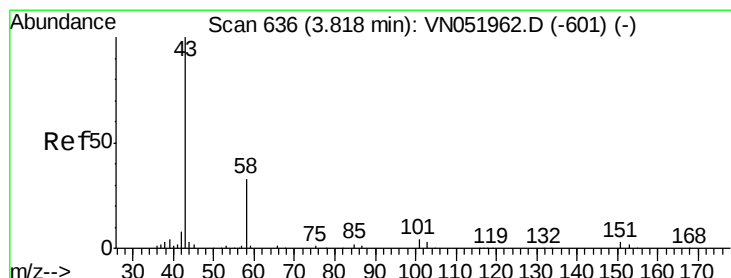
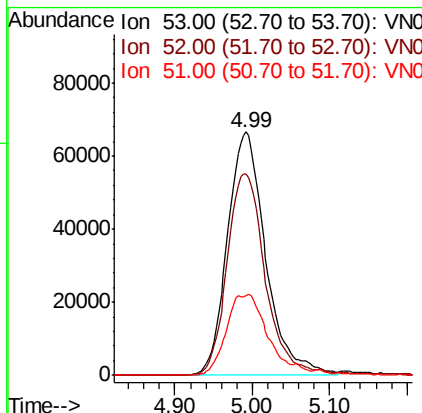
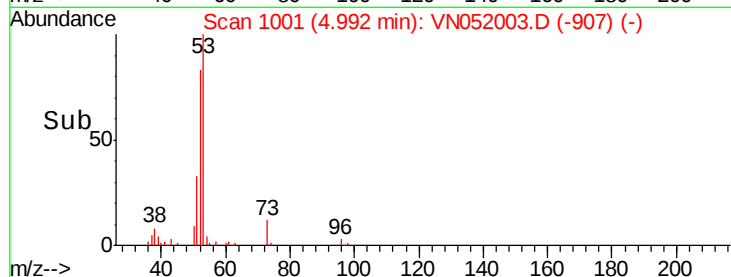
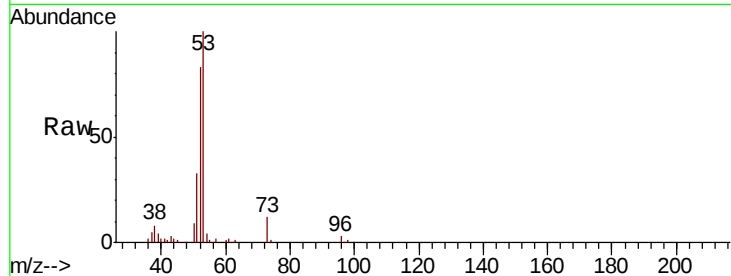
ClientSampleId :

VN1025WBSD01

Tot Ion:	53	Resp:	228757
Ion Ratio	Lower	Upper	
53	100		
52	81.6	67.0	100.4
51	15.8	29.5	44.3#

Manual Integrations
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#16

Acetone

Concen: 88.115 ug/l

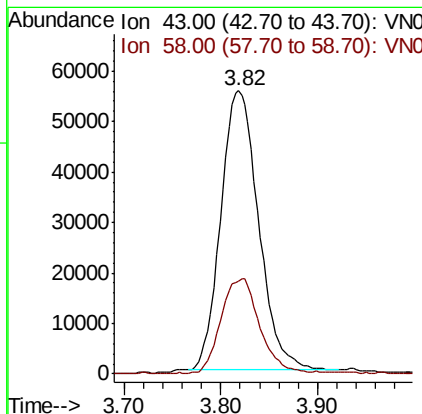
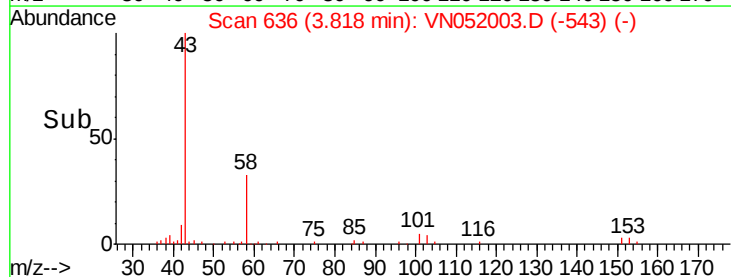
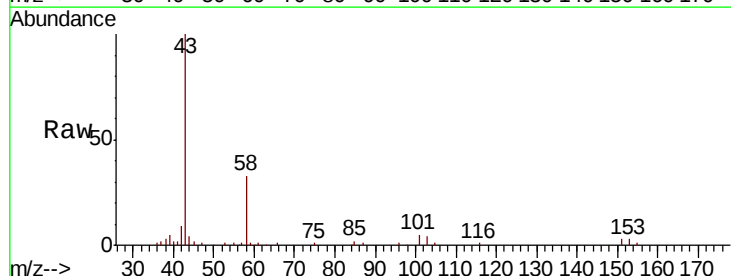
RT: 3.82 min Scan# 636

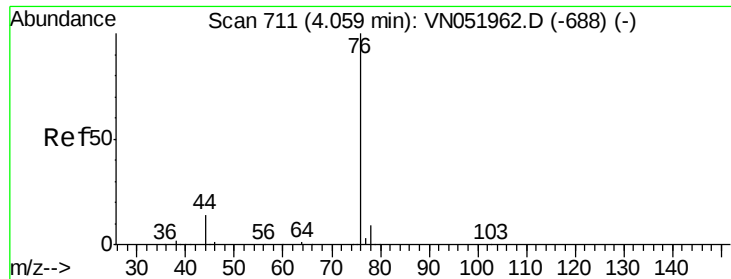
Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Tgt Ion:	43	Resp:	150403
Ion Ratio	Lower	Upper	
43	100		
58	32.9	26.7	40.1





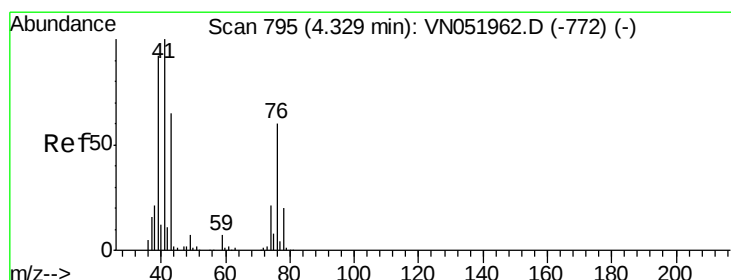
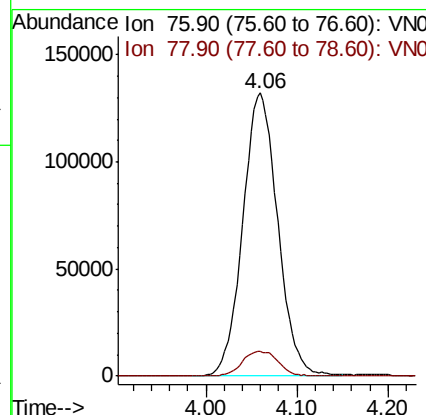
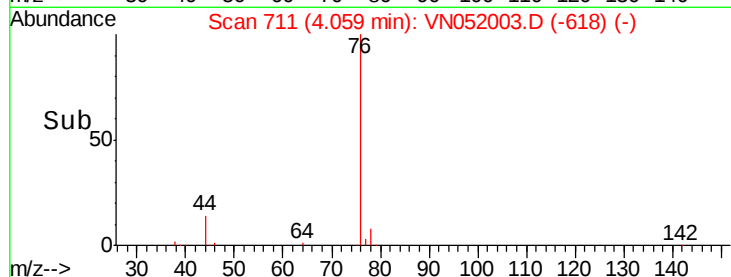
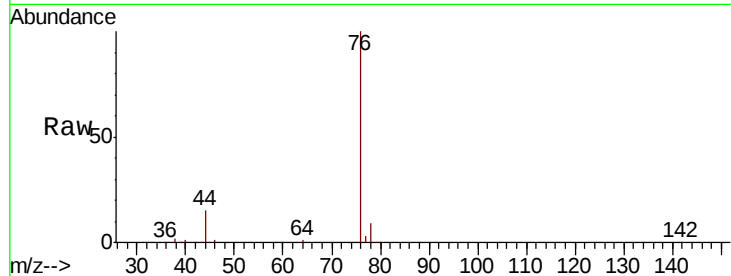
#17
Carbon Disulfide
Concen: 17.422 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

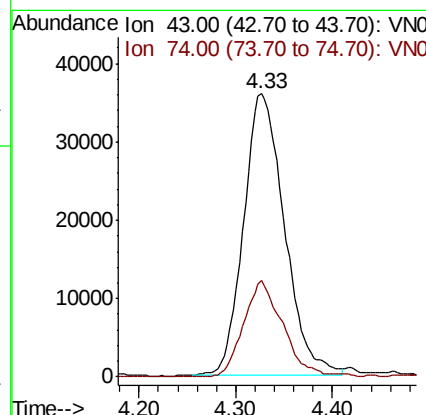
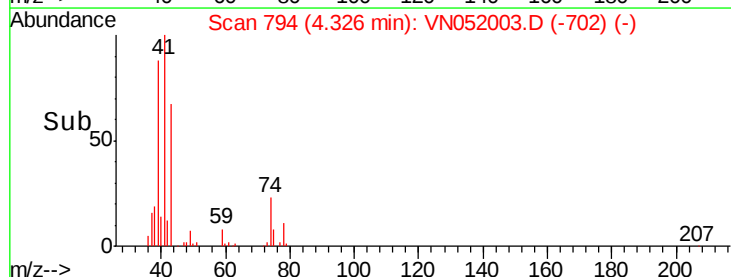
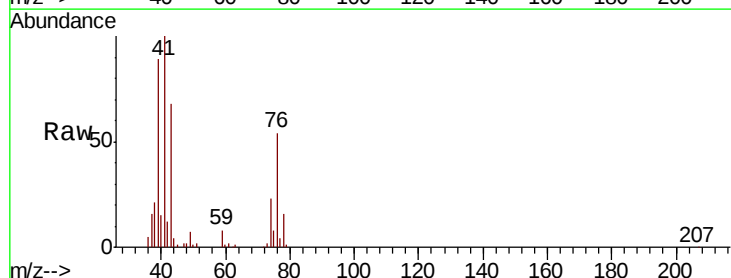
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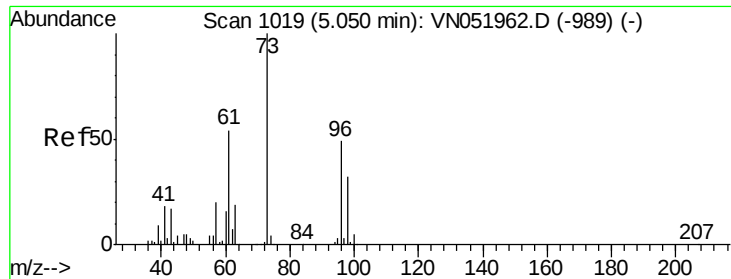
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#18
Methyl Acetate
Concen: 18.872 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	32.7	25.7	38.5





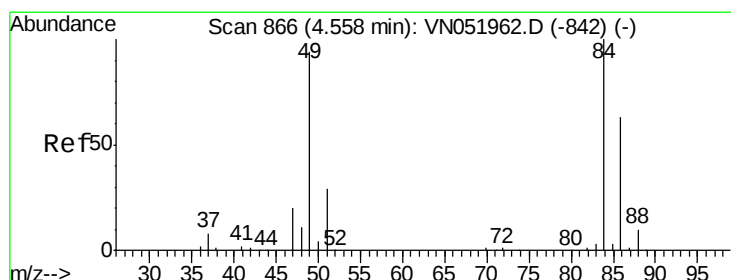
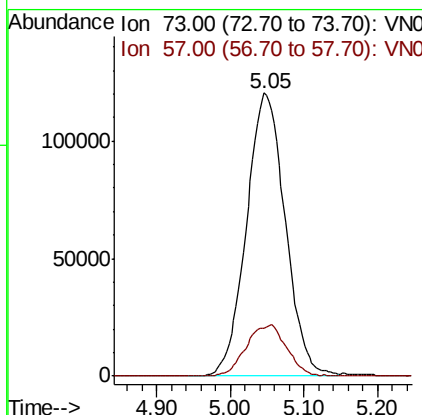
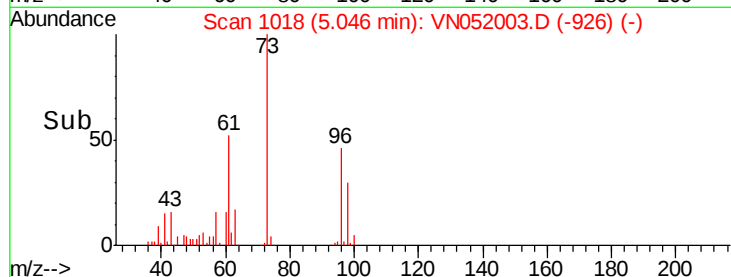
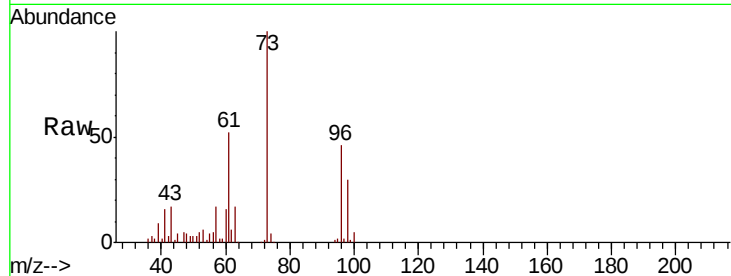
#19
Methvl tert-butvl Ether
Concen: 19.304 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion: 73 Resp: 441367
Ion Ratio Lower Upper
73 100
57 16.9 15.9 23.9

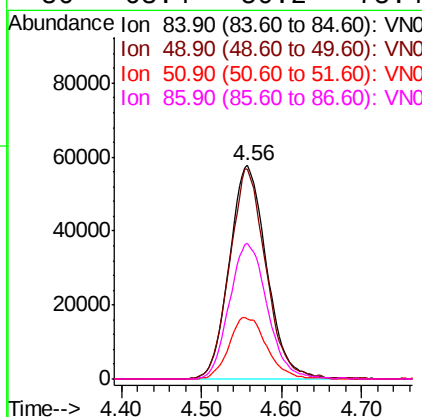
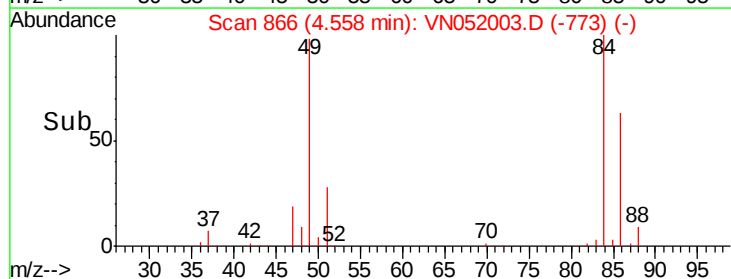
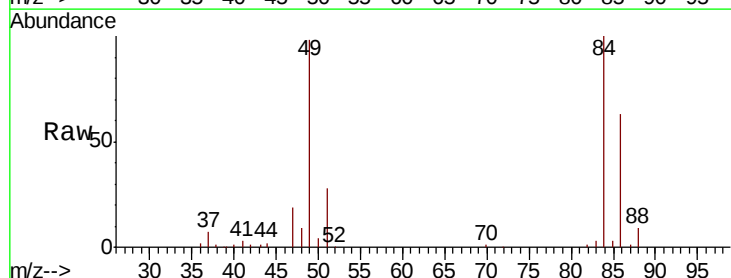
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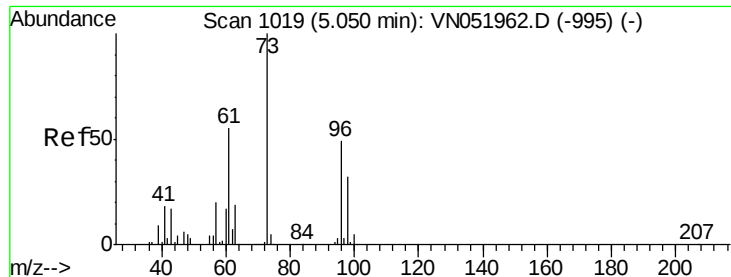
MMDadoda
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#20
Methylene Chloride
Concen: 18.224 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion: 84 Resp: 182483
Ion Ratio Lower Upper
84 100
49 98.3 75.4 113.0
51 27.9 23.1 34.7
86 63.4 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 19.041 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

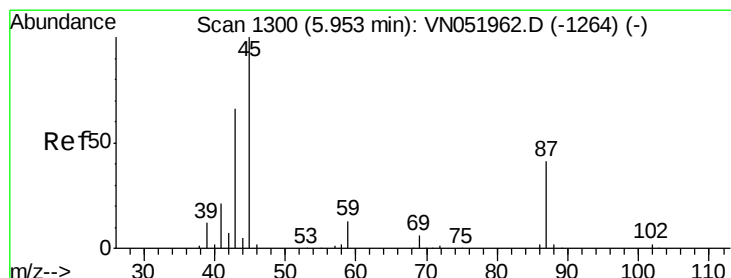
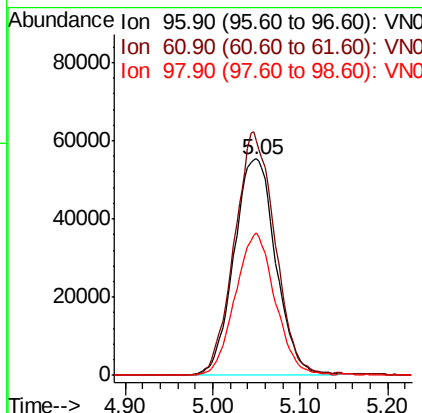
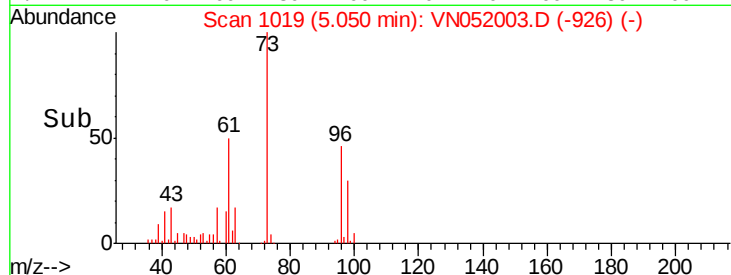
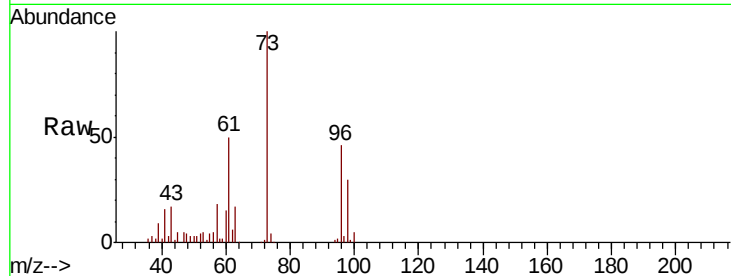
ClientSampleId :

VN1025WBSD01

Tot Ion:	96	Resp:	183645
Ion	Ratio	Lower	Upper
96	100		
61	108.4	89.0	133.4
98	65.8	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.991 ug/l

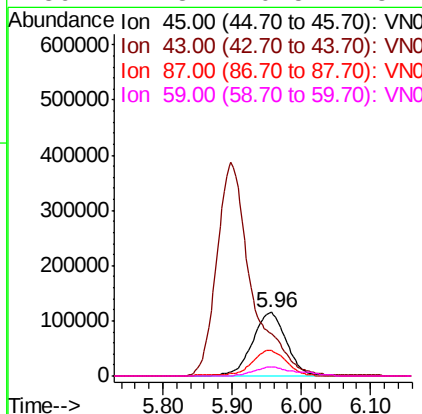
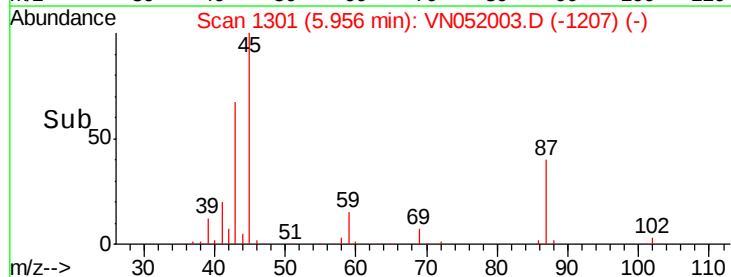
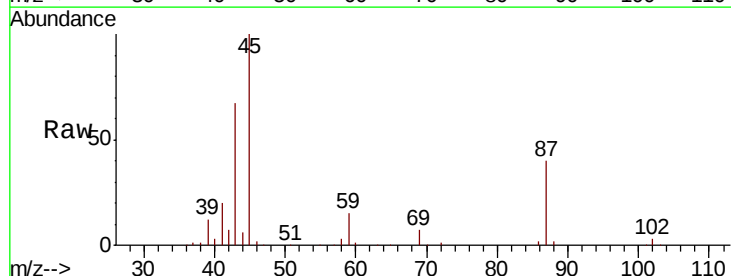
RT: 5.96 min Scan# 1301

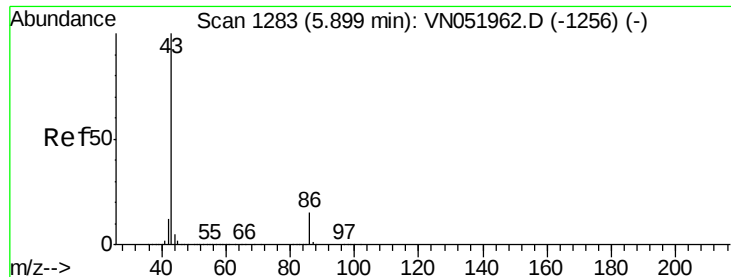
Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Tgt Ion:	45	Resp:	391549
Ion	Ratio	Lower	Upper
45	100		
43	65.5	52.9	79.3
87	39.7	33.4	50.0
59	14.8	10.5	15.7





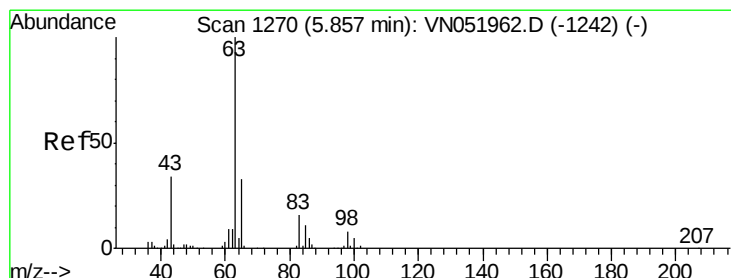
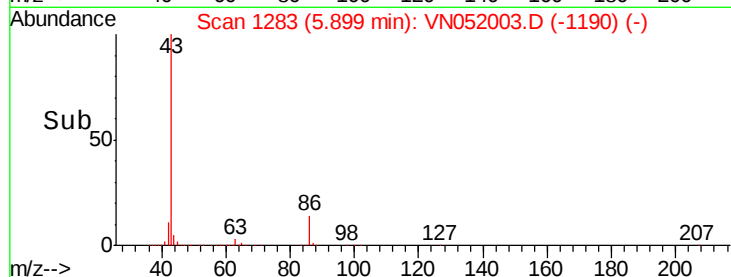
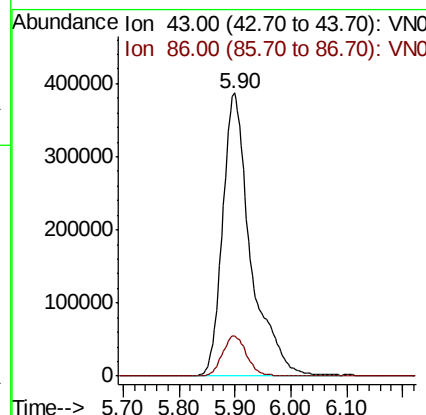
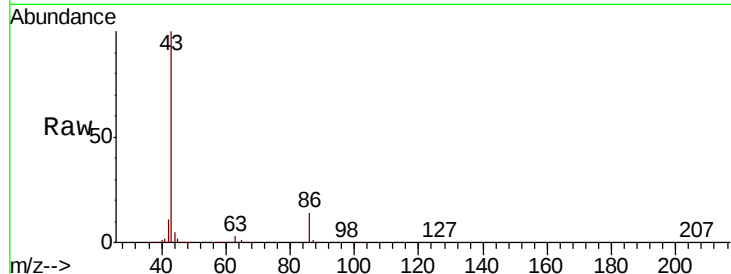
#23
 Vinyl Acetate
 Concen: 96.509 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052003.D
 Acq: 25 Oct 2018 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD01

Tot Ion: 43 Resp: 1353570
 Ion Ratio Lower Upper
 43 100
 86 14.4 11.9 17.9

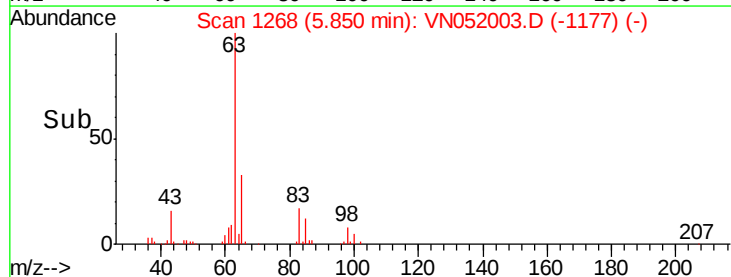
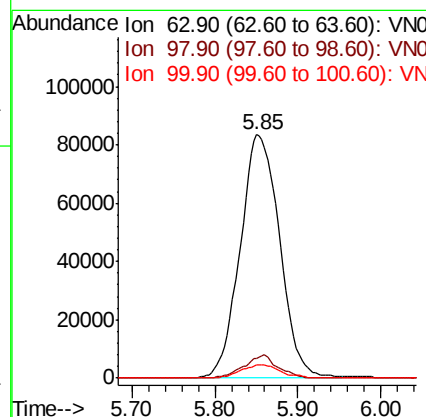
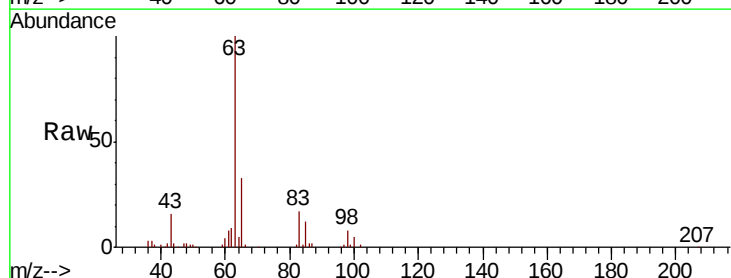
Manual Integrations
 APPROVED

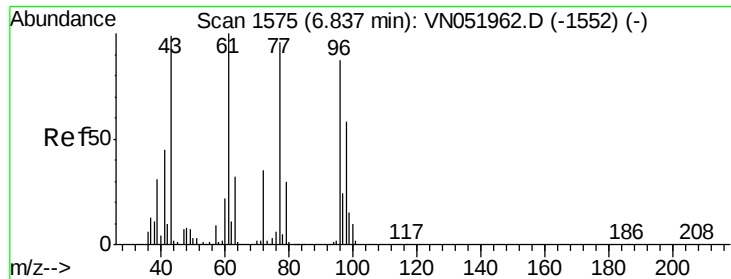
MMDadoda
 10/26/2018 9:19:38 AM



#24
 1,1-Dichloroethane
 Concen: 18.354 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VN052003.D
 Acq: 25 Oct 2018 11:21

Tgt Ion: 63 Resp: 276277
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.9 11.7
 100 5.4 2.6 8.0





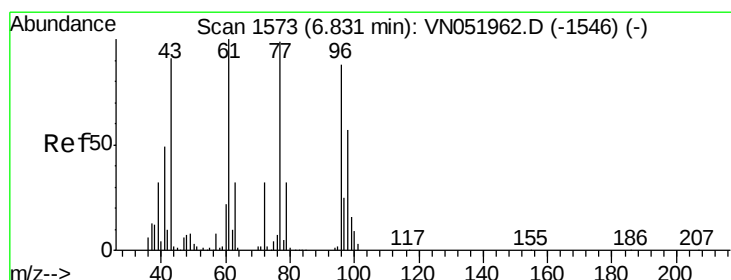
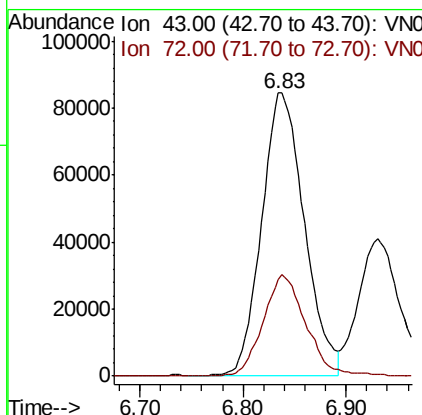
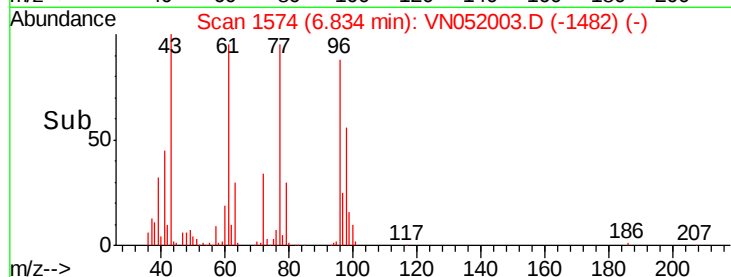
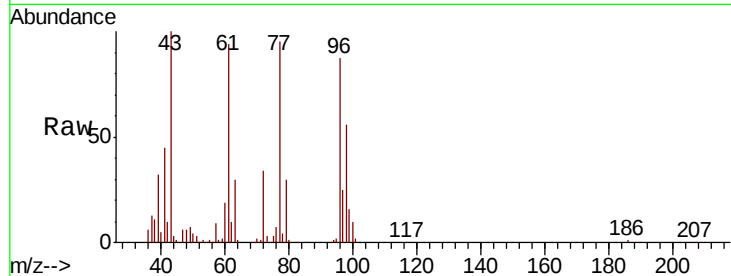
#25
2-Butanone
Concen: 100.118 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
72	34.3	28.5	42.7

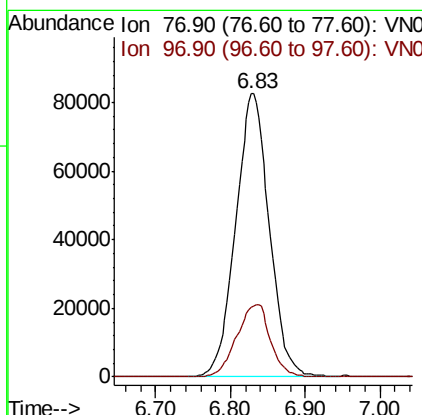
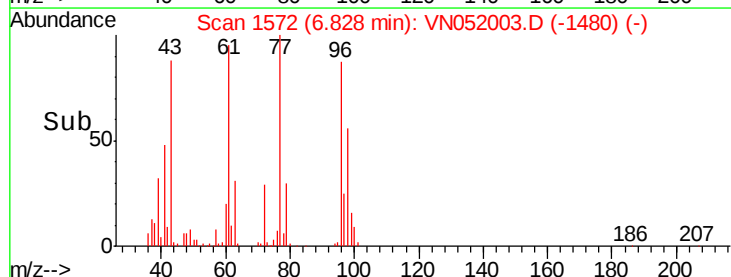
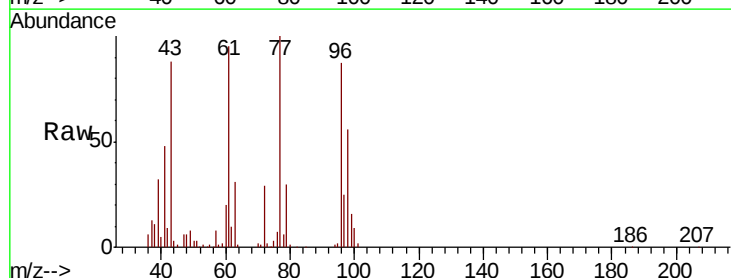
Manual Integrations
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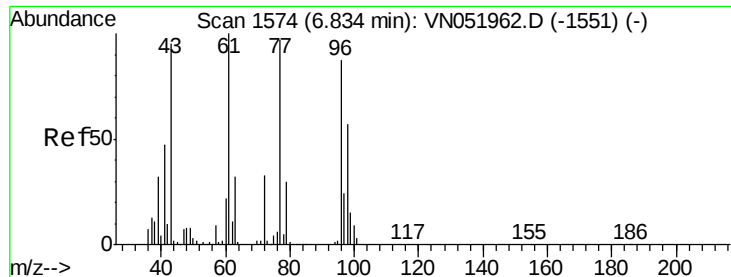
MMDadoda
10/26/2018 9:19:38 AM



#26
2,2-Dichloropropane
Concen: 18.697 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion	Ratio	Lower	Upper
77	100		
97	25.7	12.6	37.6





#27

cis-1,2-Dichloroethene

Concen: 18.944 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

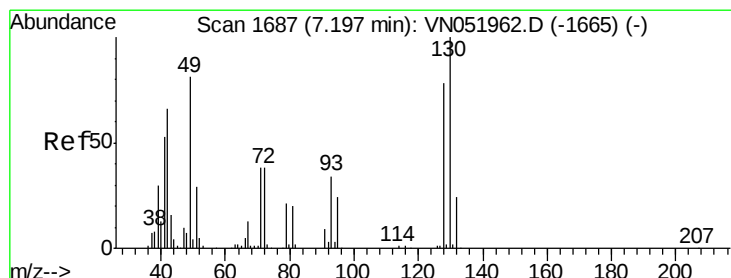
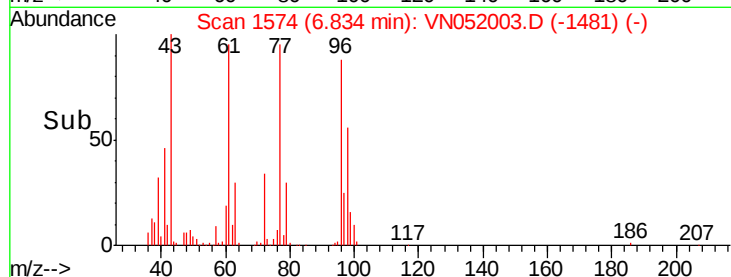
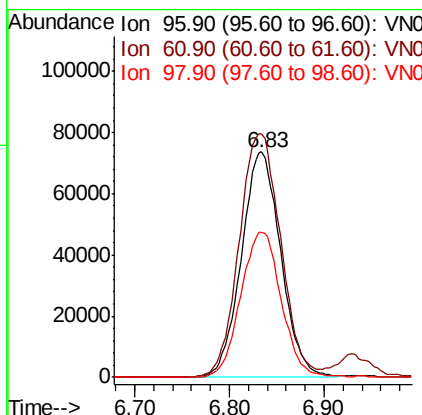
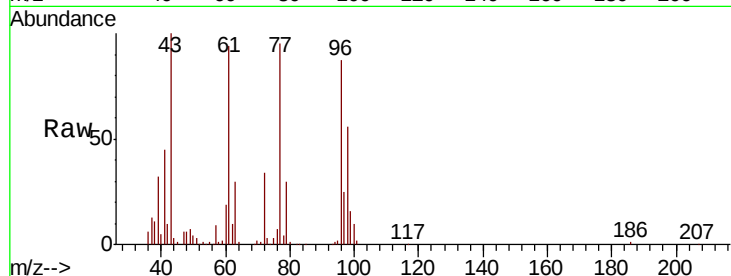
ClientSampleId :

VN1025WBSD01

Tot Ion:	96	Resp:	213449
Ion	Ratio	Lower	Upper
96	100		
61	113.5	0.0	234.4
98	66.1	0.0	131.6

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#28

Bromochloromethane

Concen: 19.693 ug/l

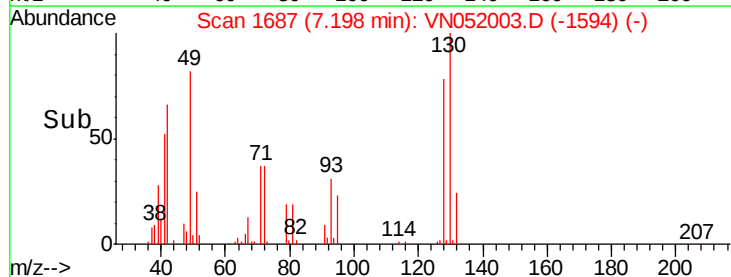
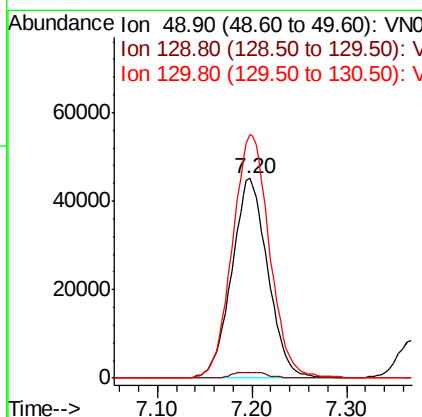
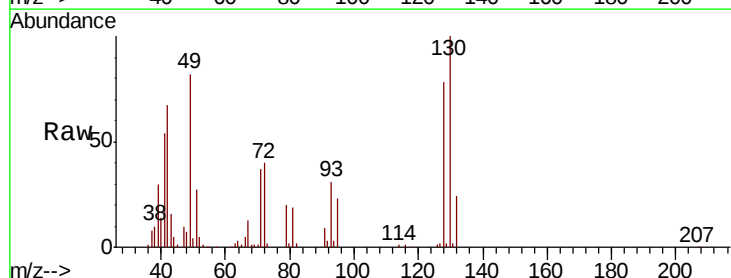
RT: 7.20 min Scan# 1687

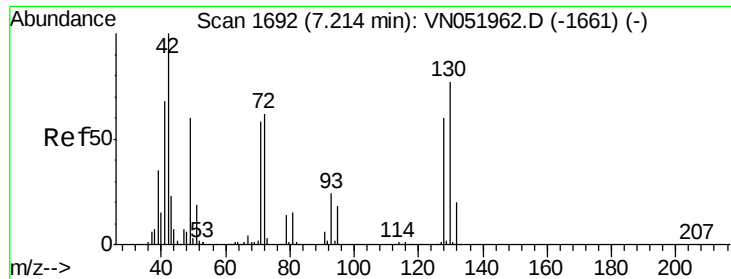
Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Tgt Ion:	49	Resp:	119470
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	5.4
130	125.5	97.0	145.6





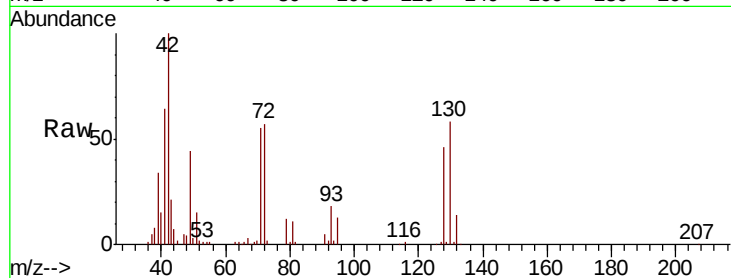
#29
Tetrahydrofuran
Concen: 97.684 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

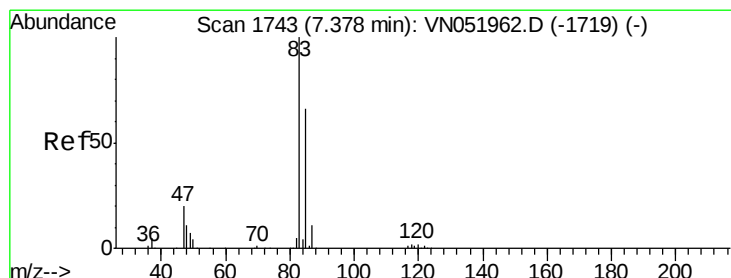
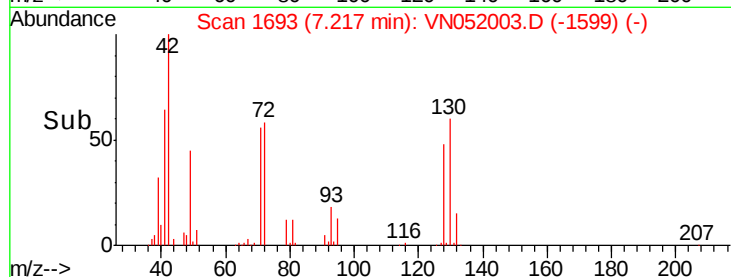
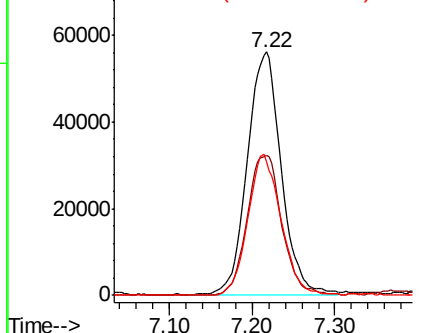
Tot Ion	Ratio	Lower	Upper
42	100		
72	58.4	47.5	71.3
71	56.0	45.4	68.2

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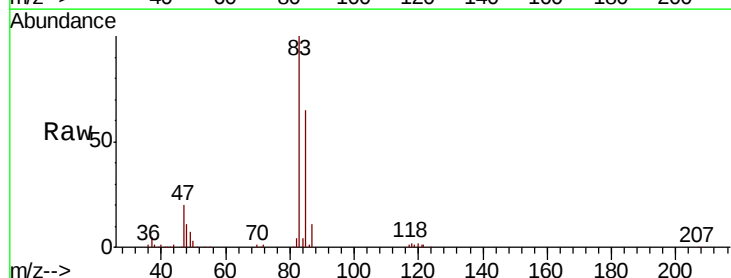


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

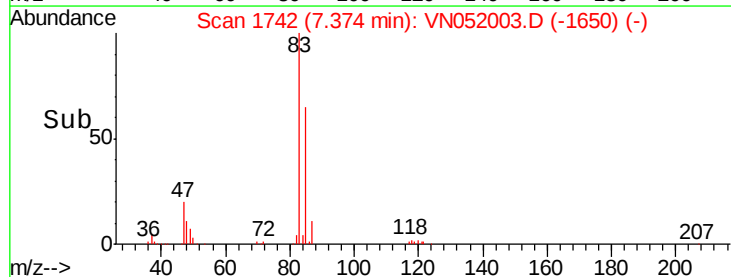
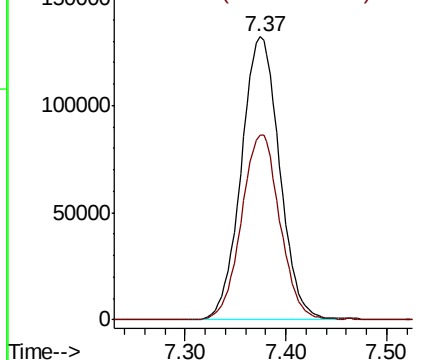


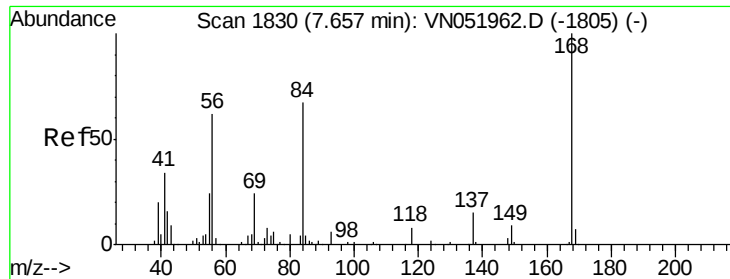
#30
Chloroform
Concen: 18.885 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.8	79.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.114 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

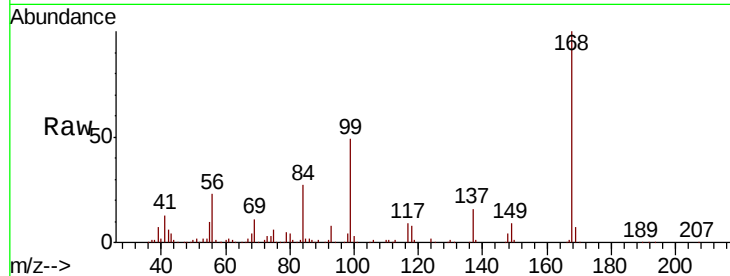
ClientSampleId :

VN1025WBSD01

Tot Ion	56	Resp	239165
Ion Ratio	Lower	Upper	
56	100		
69	45.1	31.2	46.8
84	114.4	86.3	129.5

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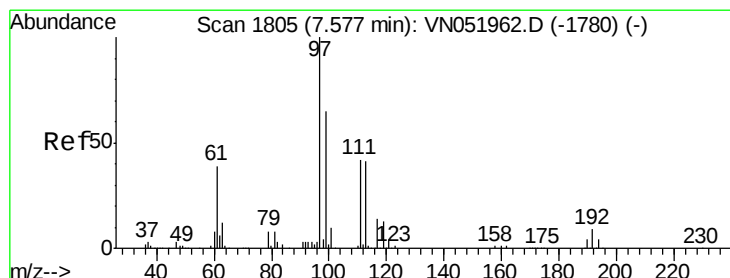
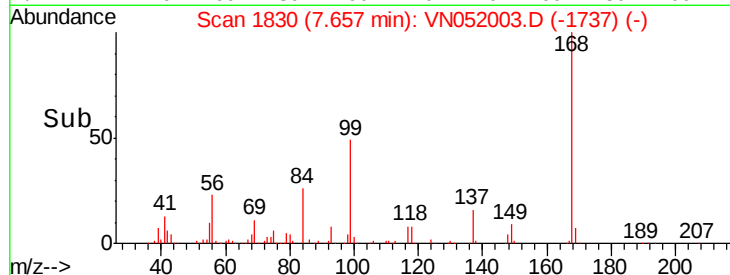
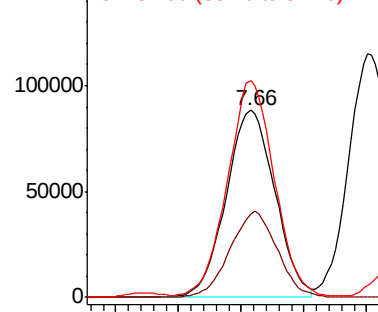


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 18.477 ug/l

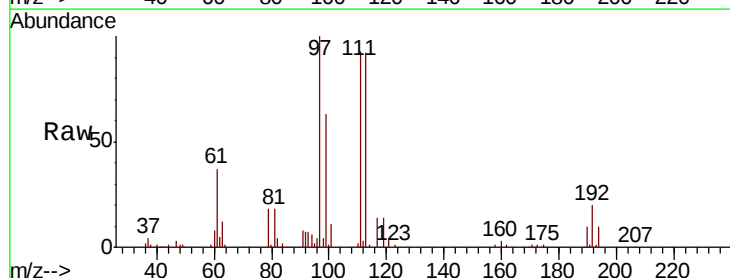
RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Tgt Ion	97	Resp	310537
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.5	77.3
61	36.9	30.1	45.1

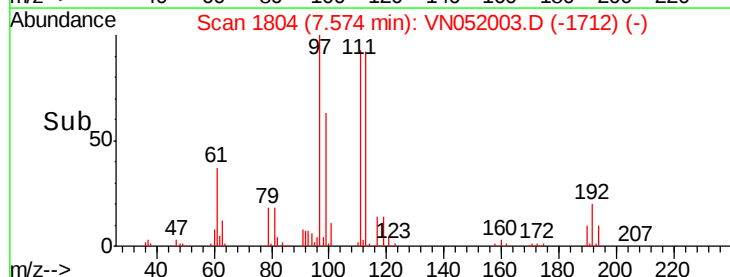
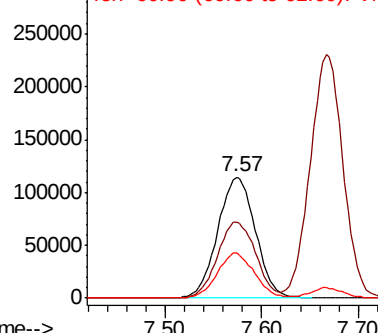


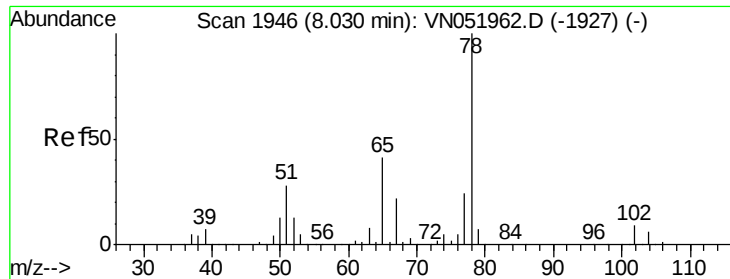
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





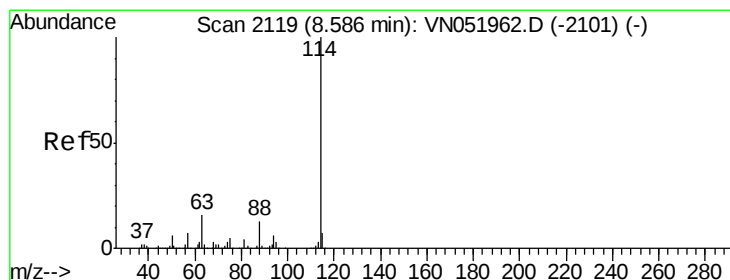
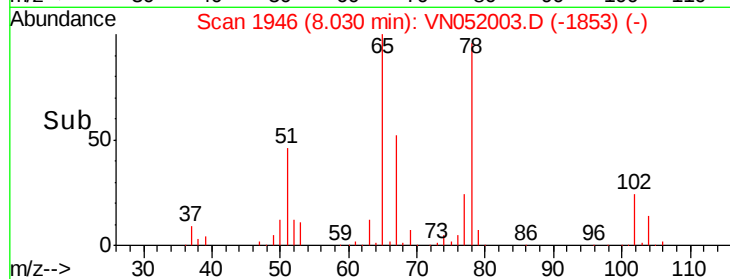
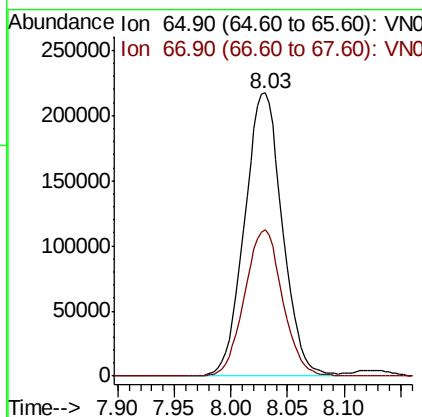
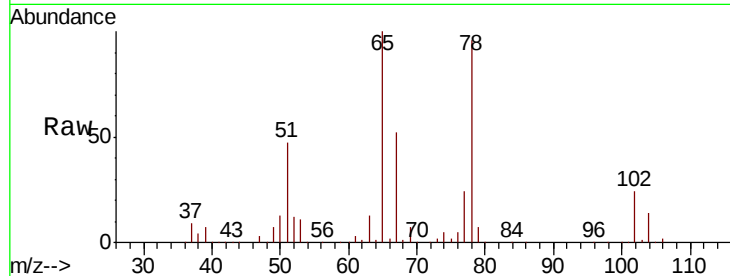
#33
 1,2-Dichloroethane-d4
 Concen: 18.477 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052003.D
 Acq: 25 Oct 2018 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	506490		
67	51.8	0.0	105.8	

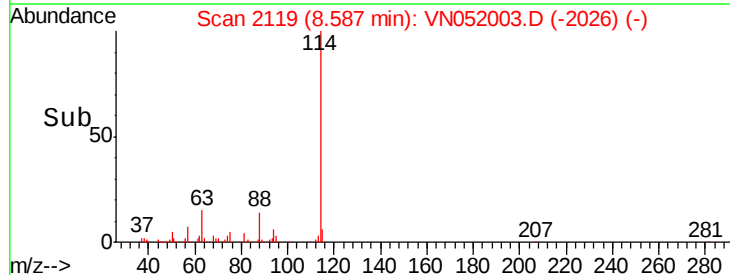
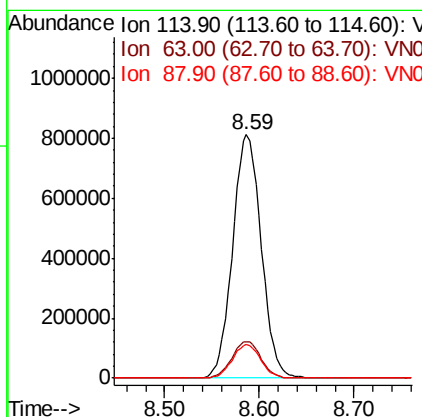
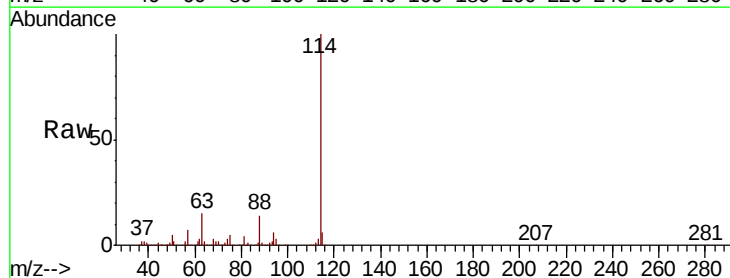
Manual Integrations
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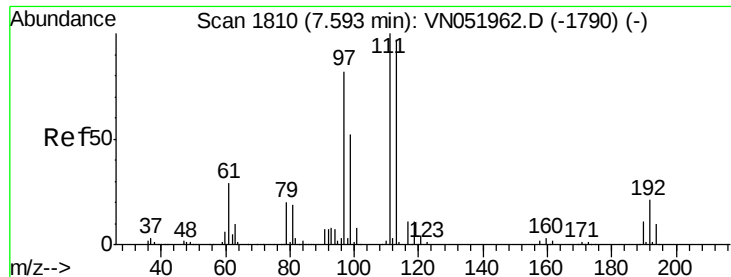
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052003.D
 Acq: 25 Oct 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1704187		
63	15.1	0.0	31.2	
88	13.7	0.0	27.0	





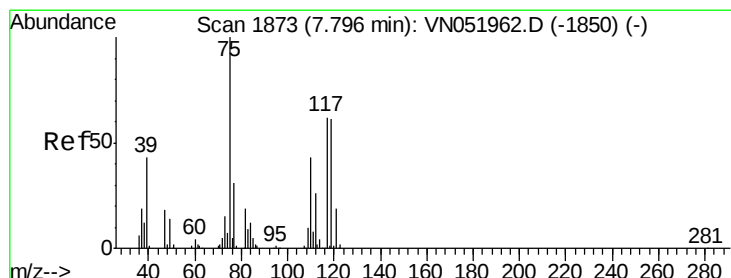
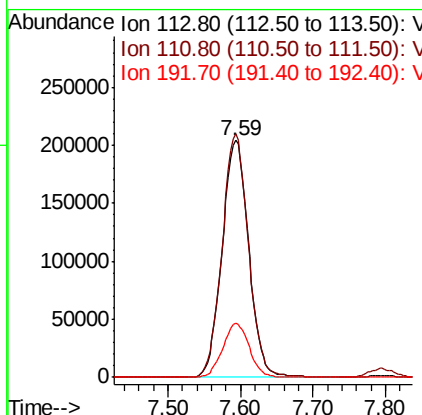
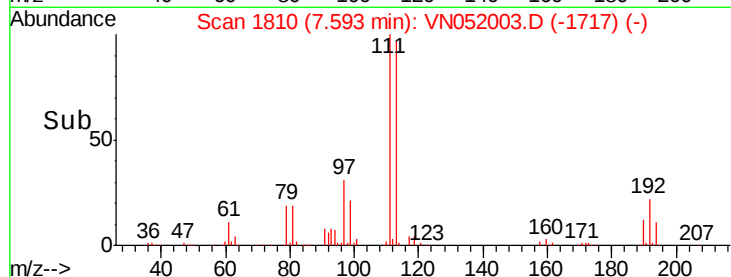
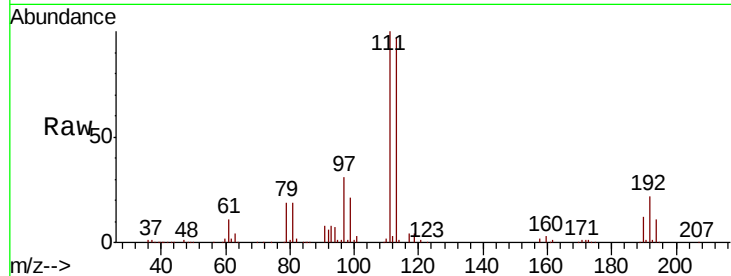
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	522572		
111	100.8	80.7	121.1	
192	22.6	17.2	25.8	

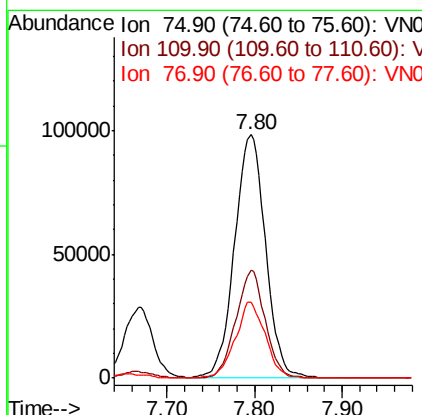
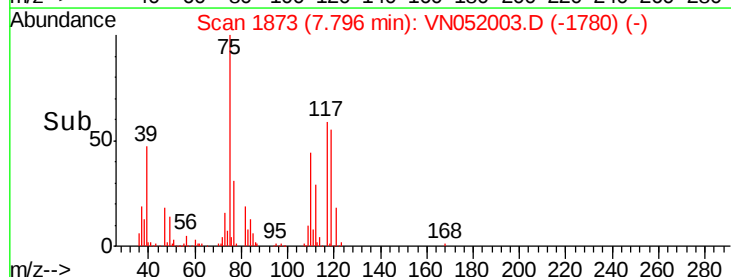
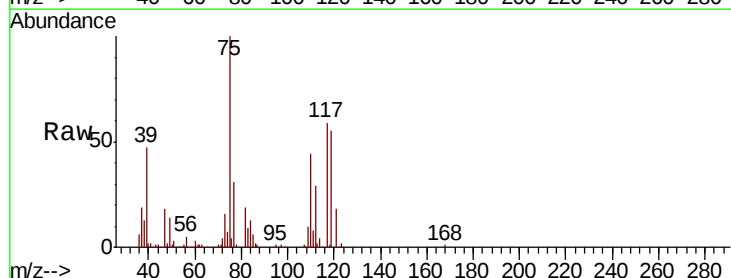
Manual Integrations
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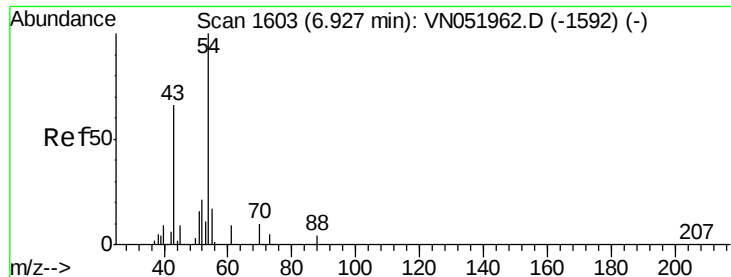
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#36
1,1-Dichloropropene
Concen: 18.459 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	241311		
110	42.0	20.9	62.8	
77	30.3	24.9	37.3	





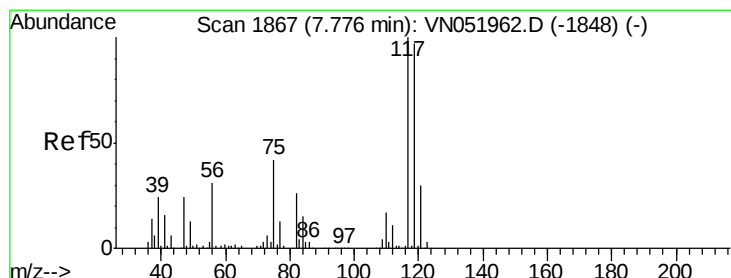
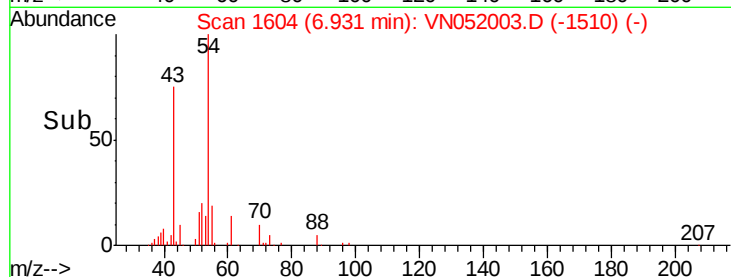
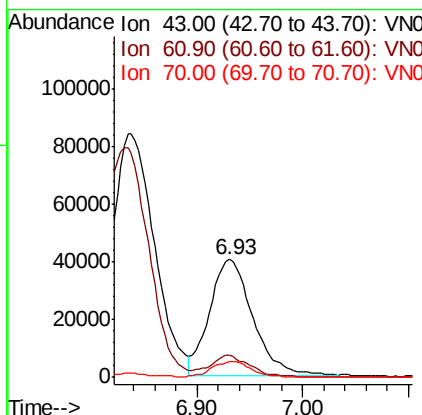
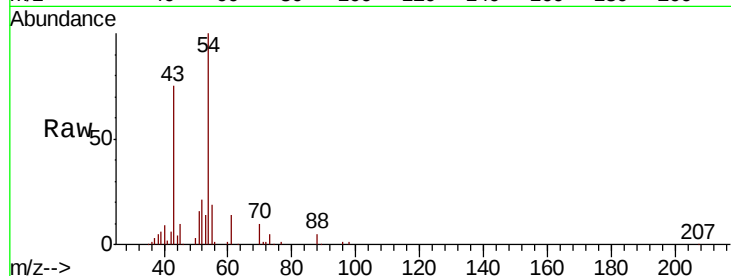
#37
Ethyl Acetate
Concen: 18.406 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	13.5	20.3
70	12.6	9.8	14.6

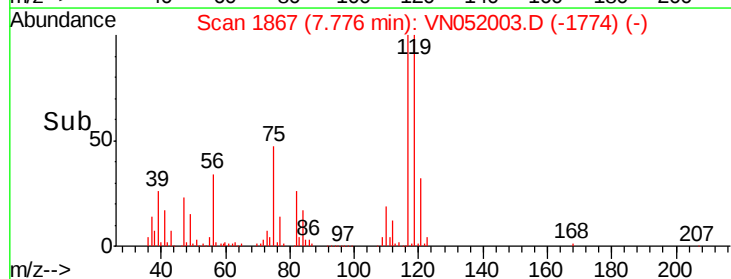
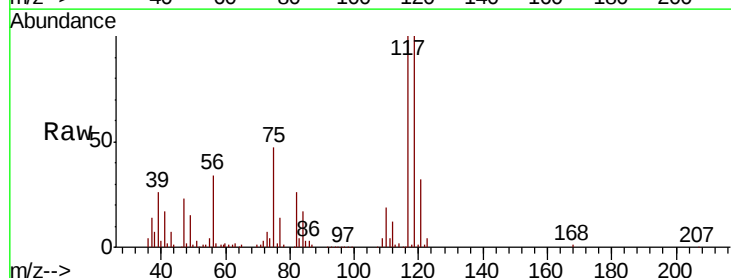
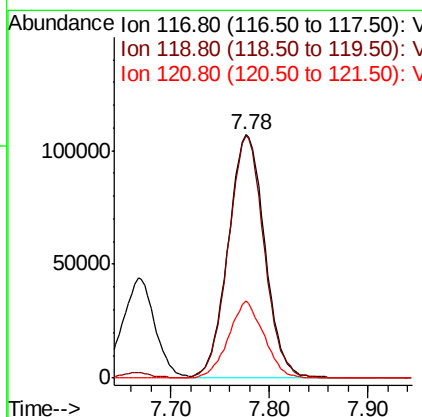
Manual Integrations
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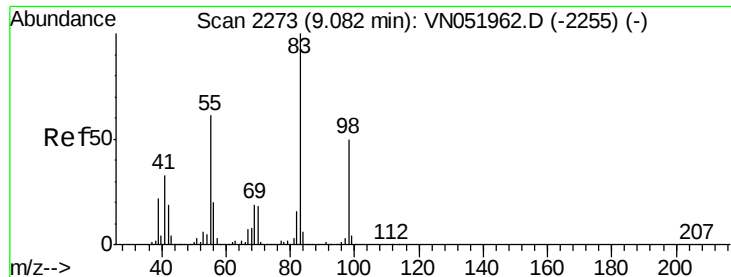
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#38
Carbon Tetrachloride
Concen: 18.328 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.6	77.4	116.0
121	31.9	24.2	36.4





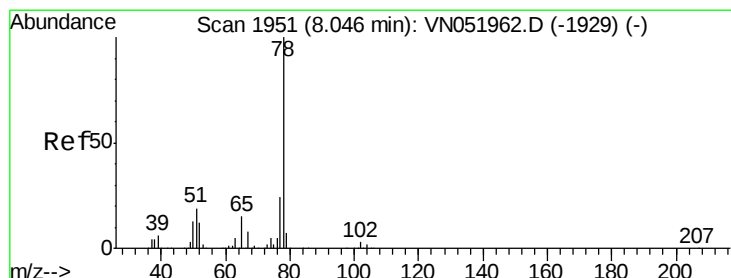
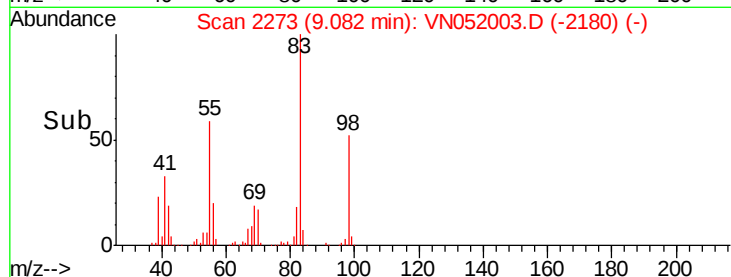
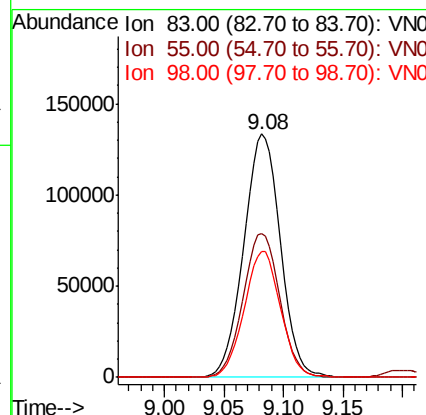
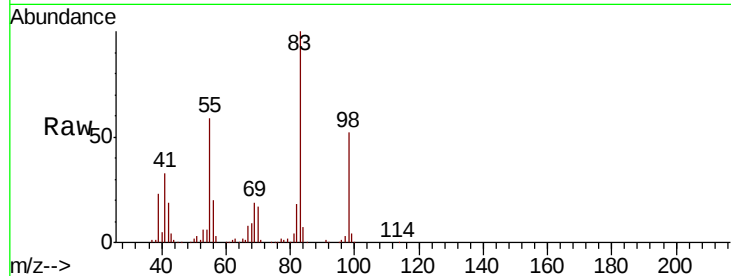
#39
Methvlcvclohexane
Concen: 17.867 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	59.3	48.9	73.3
98	51.7	40.2	60.2

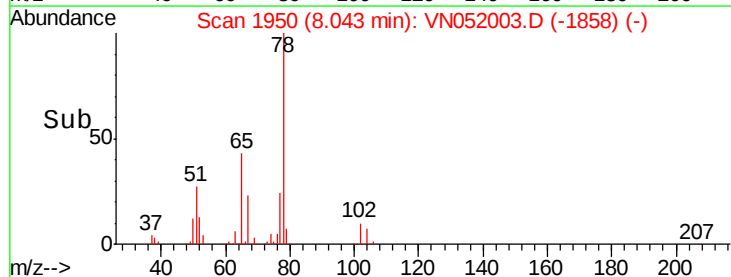
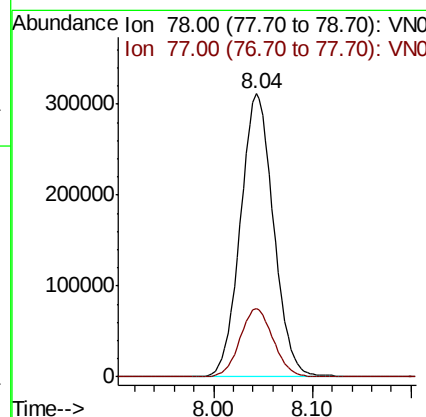
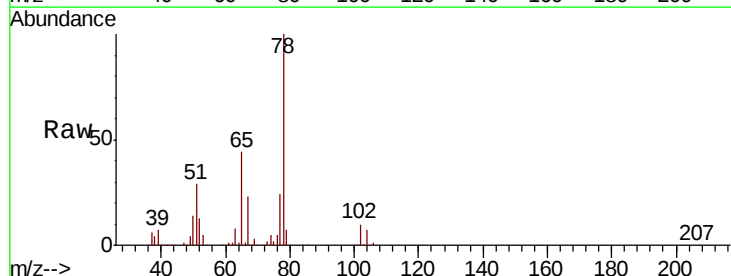
Manual Integrations
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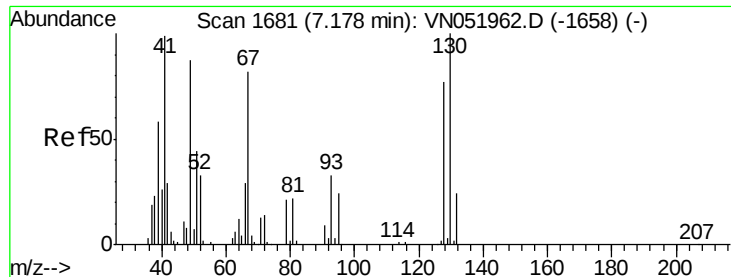
MMDadoda
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#40
Benzene
Concen: 18.685 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





#41

Methacrylonitrile

Concen: 16.084 ug/l m

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion: 41 Resp: 47248

Ion Ratio Lower Upper

41 100

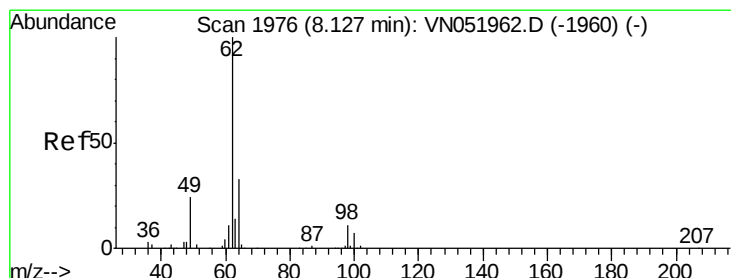
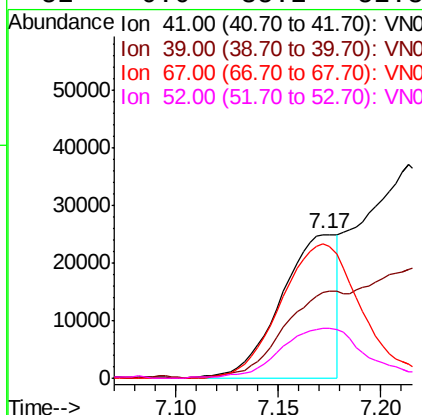
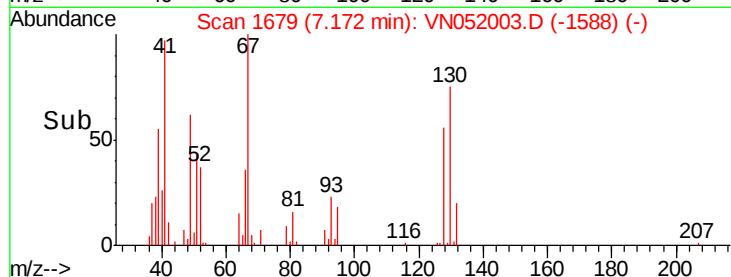
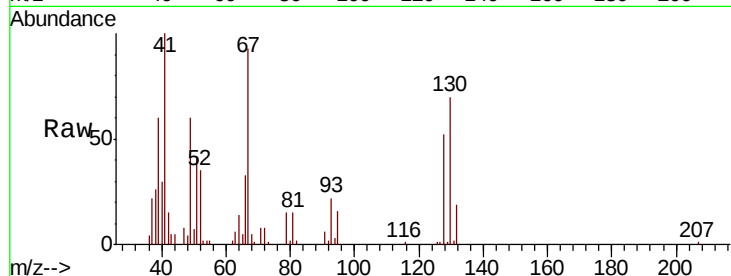
39 0.0 53.1 79.7#

67 0.0 93.8 140.6#

52 0.0 35.2 52.8#

Manual Integrations
APPROVED

MMDadoda
10/26/2018 9:19:38 AM



#42

1,2-Dichloroethane

Concen: 18.466 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN052003.D

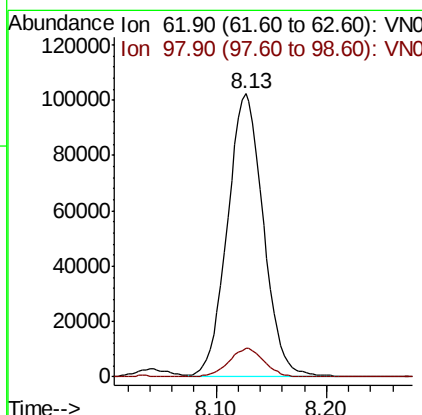
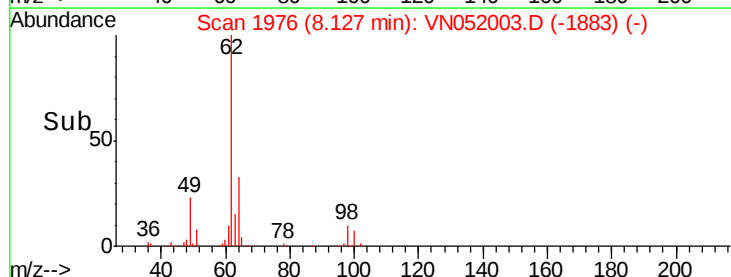
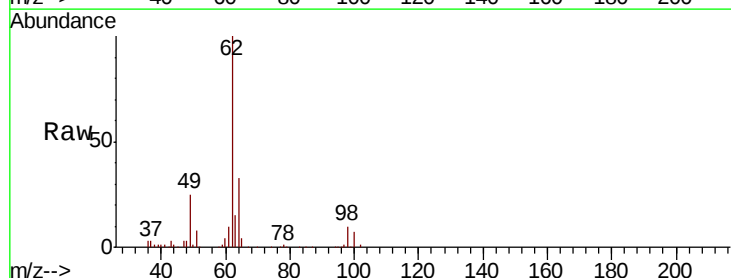
Acq: 25 Oct 2018 11:21

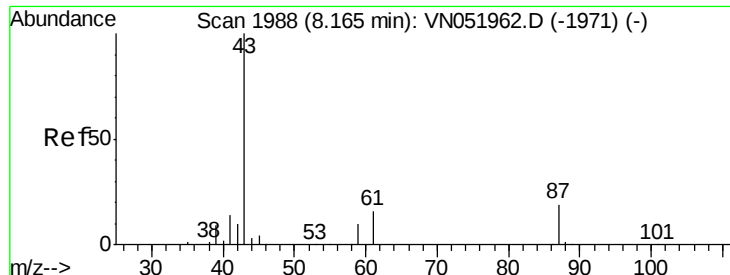
Tgt Ion: 62 Resp: 229810

Ion Ratio Lower Upper

62 100

98 10.0 0.0 20.6





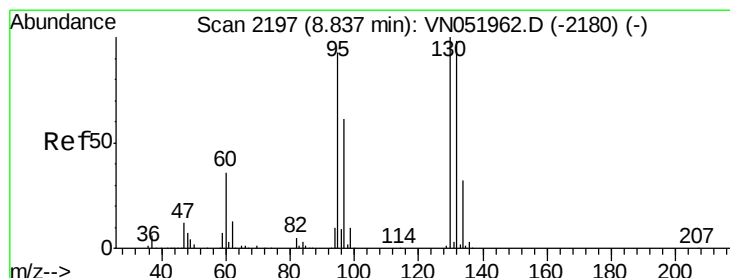
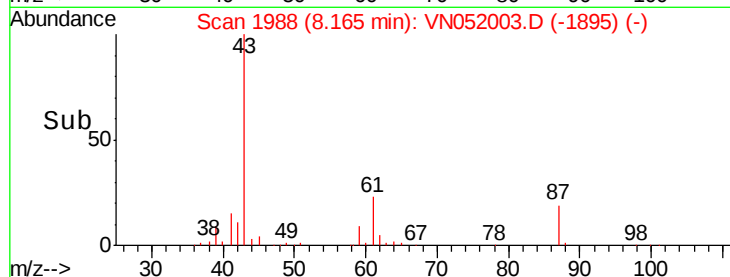
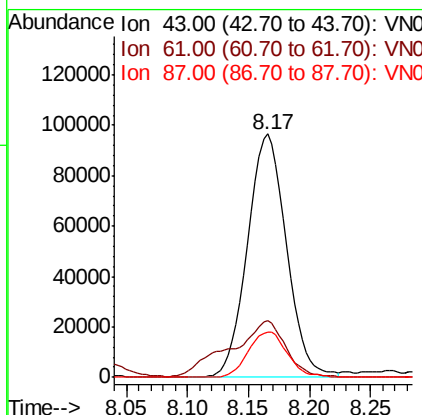
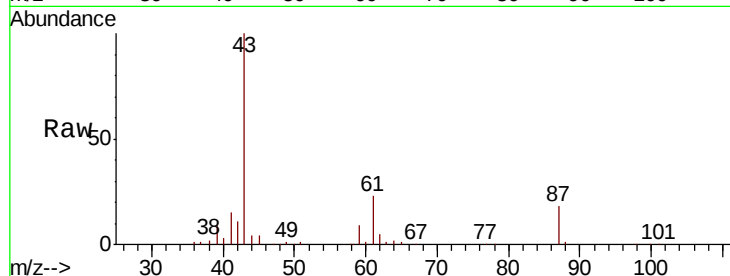
#43
Isopropyl Acetate
Concen: 19.368 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.5	17.2	25.8
87	18.8	15.2	22.8

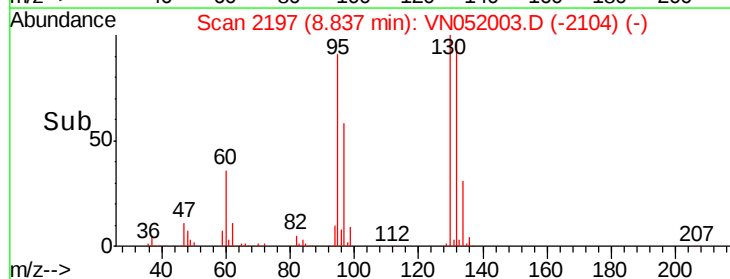
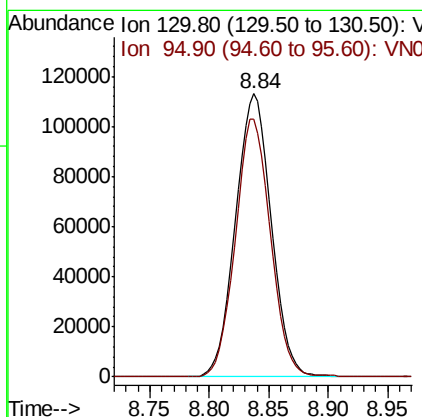
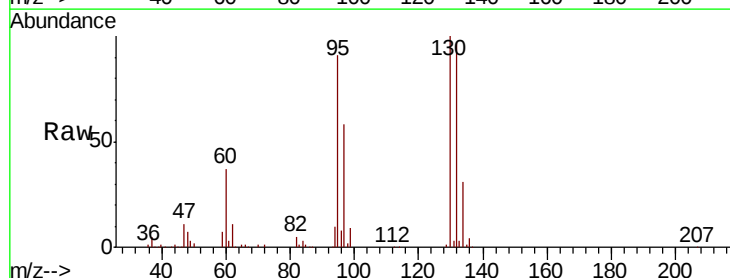
Manual Integrations
APPROVED

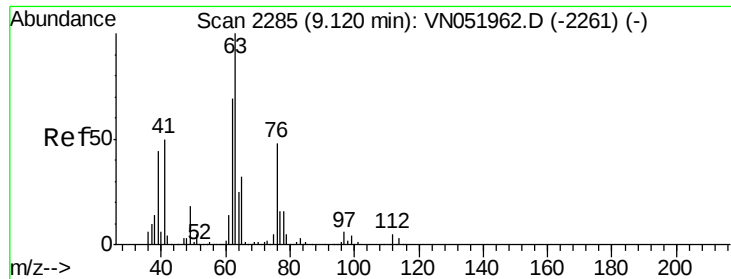
MMDadoda
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#44
Trichloroethene
Concen: 18.870 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	185.2





#45

1,2-Dichloropropane

Concen: 18.878 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion: 63 Resp: 165759

Ion Ratio Lower Upper

63 100

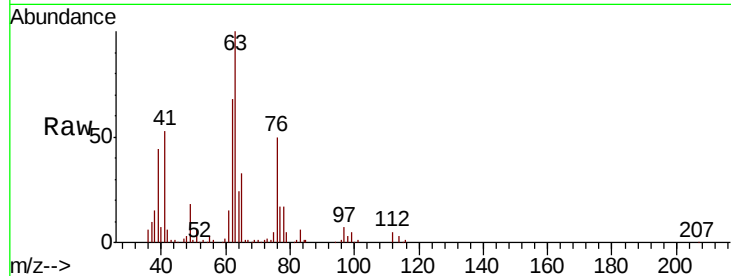
65 33.4 25.8 38.6

Manual Integrations

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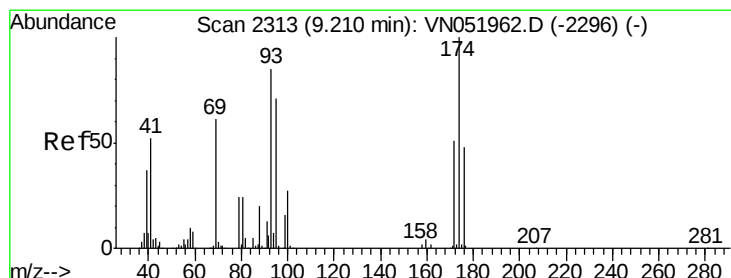
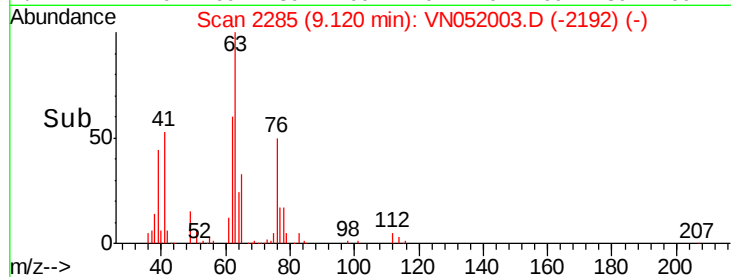
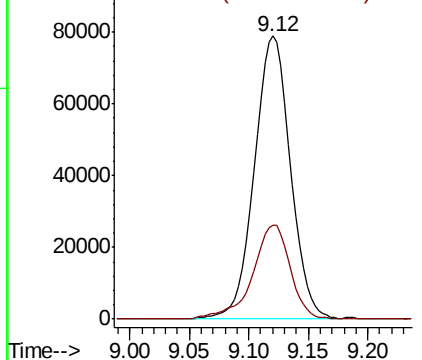
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.035 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

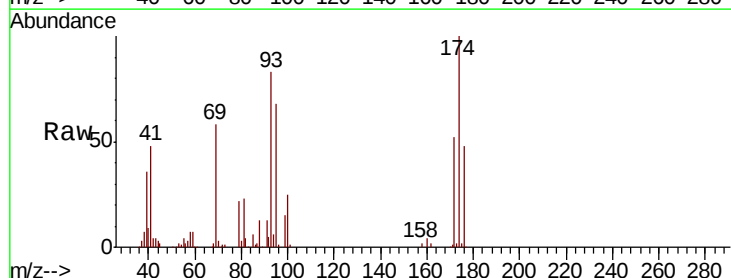
Tgt Ion: 93 Resp: 134730

Ion Ratio Lower Upper

93 100

95 81.7 66.7 100.1

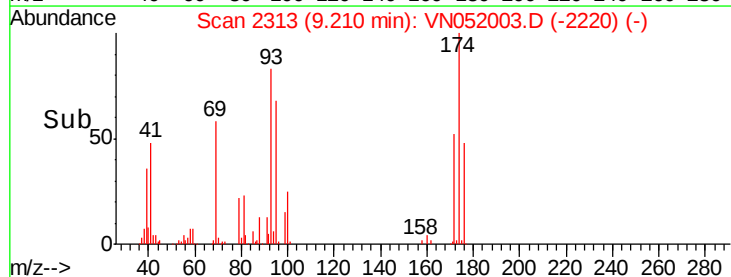
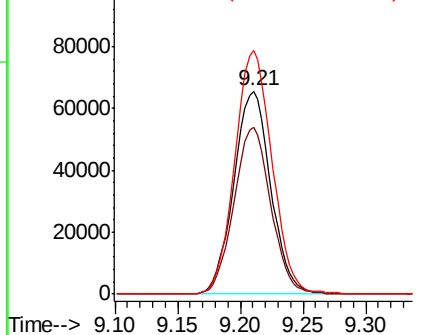
174 120.7 93.8 140.6

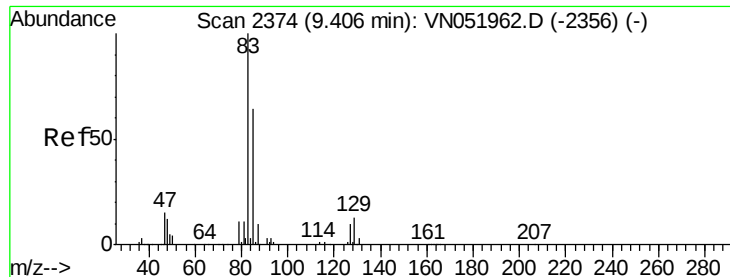


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.342 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

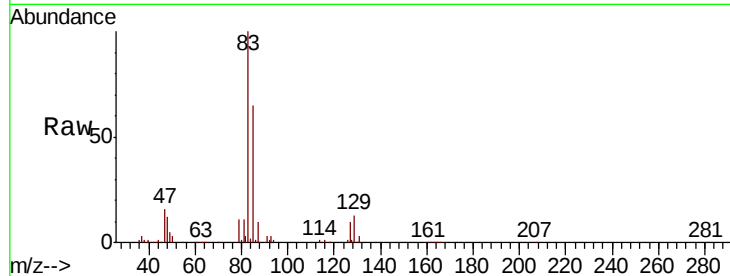
ClientSampleId :

VN1025WBSD01

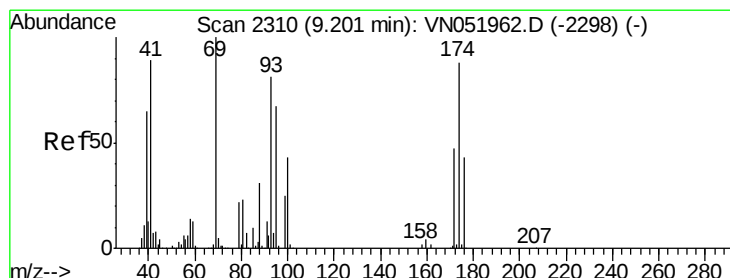
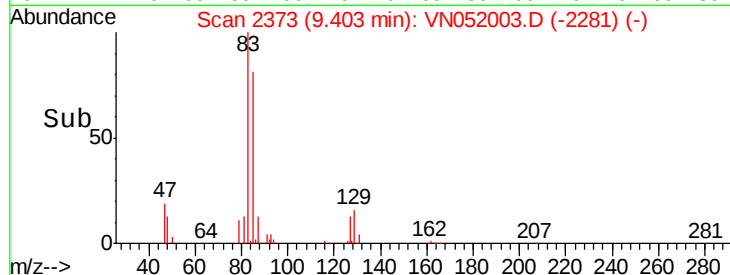
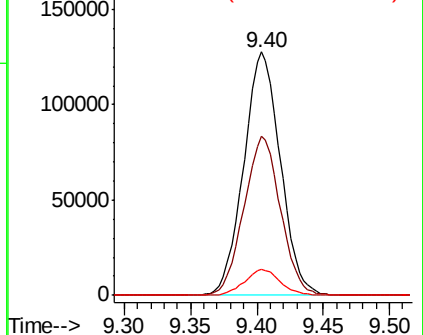
Tot Ion:	83	Resp:	245179
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.0	76.4
127	10.4	7.8	11.8

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



#48

Methyl methacrylate

Concen: 18.780 ug/l

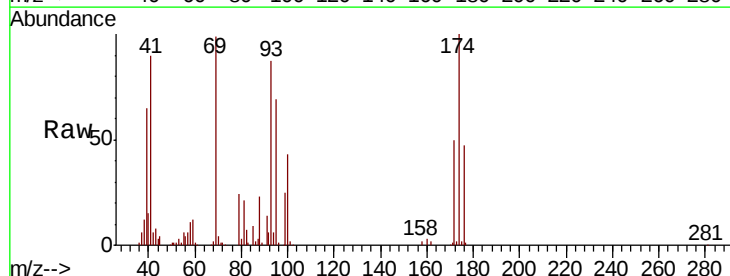
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

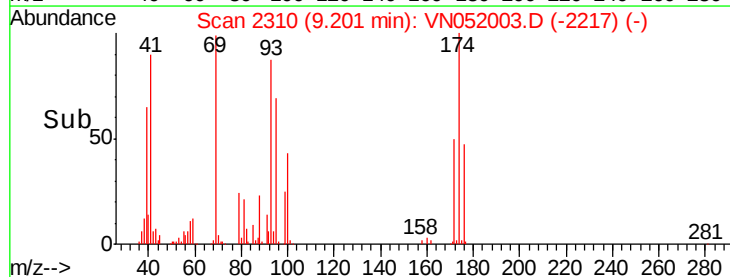
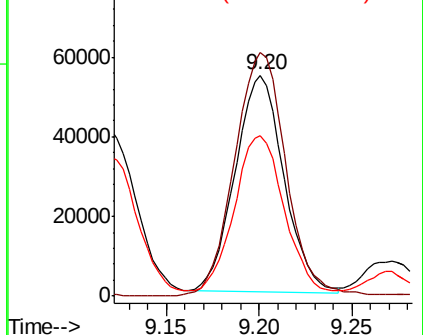
Lab File: VN052003.D

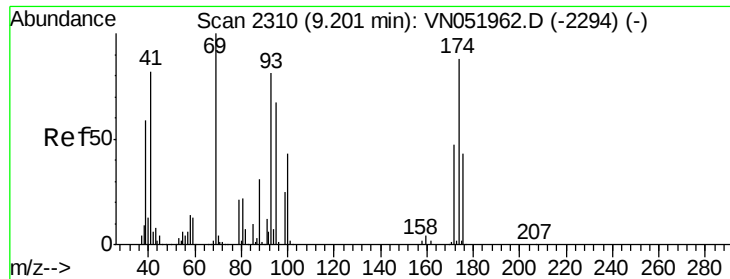
Acq: 25 Oct 2018 11:21

Tgt Ion:	41	Resp:	99376
Ion Ratio	Lower	Upper	
41	100		
69	119.5	92.2	138.4
39	76.5	60.2	90.4



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





#49

1,4-Dioxane

Concen: 301.532 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

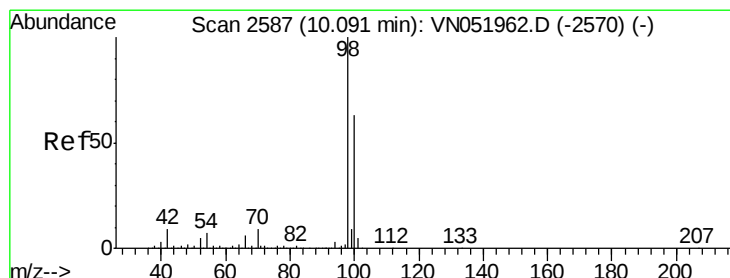
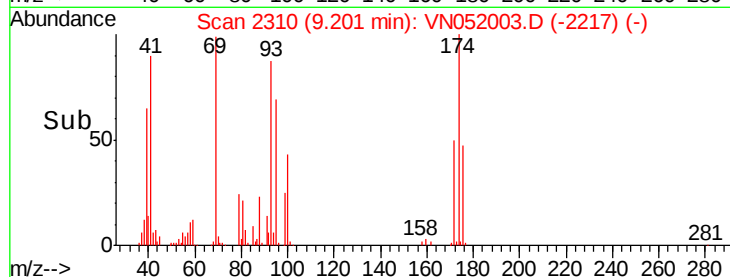
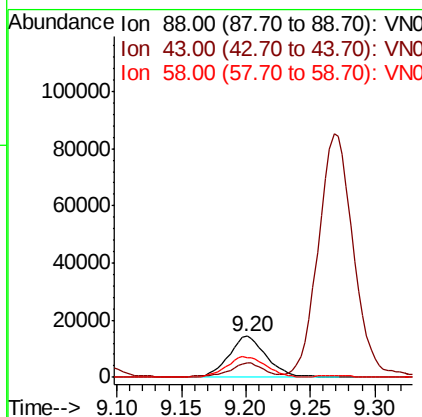
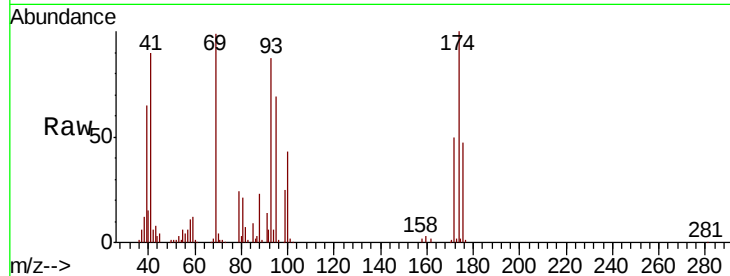
ClientSampleId :

VN1025WBSD01

Tot Ion:	88	Resp:	29258
Ion	Ratio	Lower	Upper
88	100		
43	28.8	18.8	28.2#
58	52.7	39.8	59.6

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#50

Toluene-d8

Concen: 301.532 ug/l

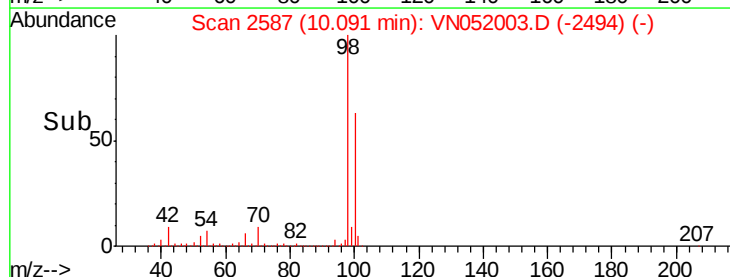
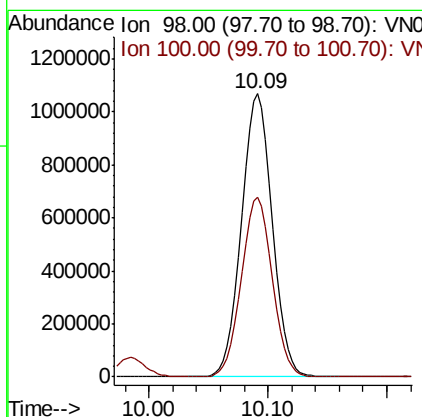
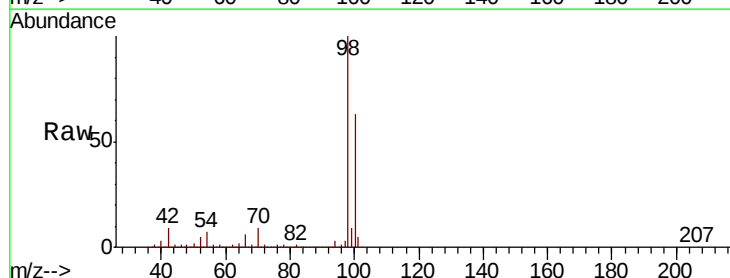
RT: 10.09 min Scan# 2587

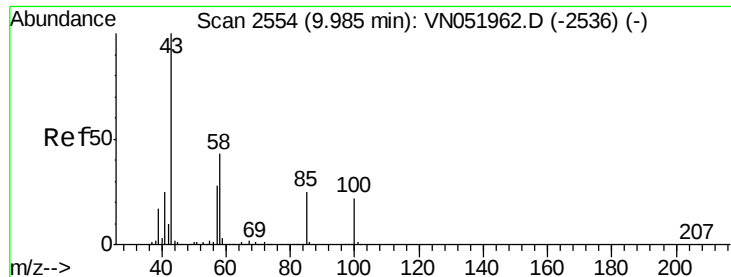
Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Tgt Ion:	98	Resp:	1913484
Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.7	76.1





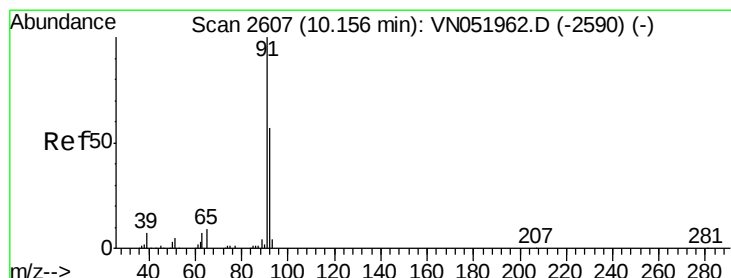
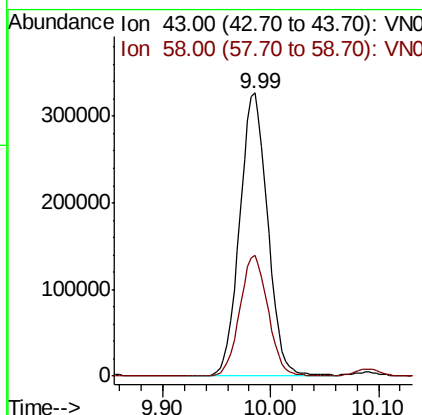
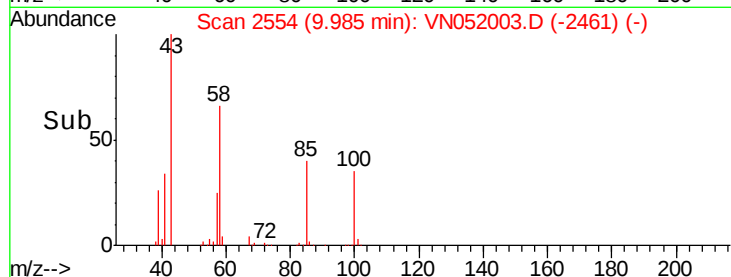
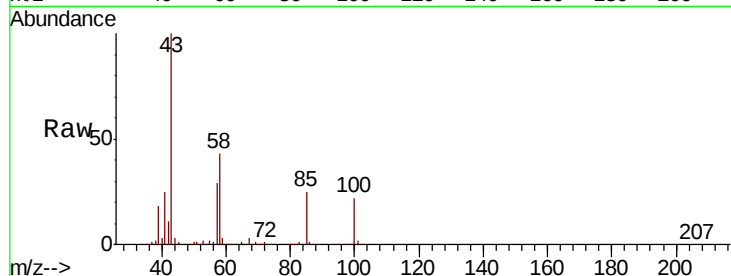
#51
4-Methyl-2-Pentanone
Concen: 97.925 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.0	34.8	52.2

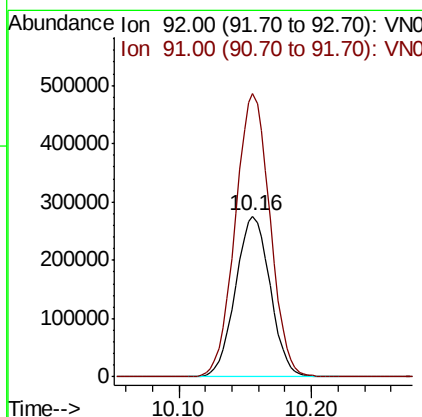
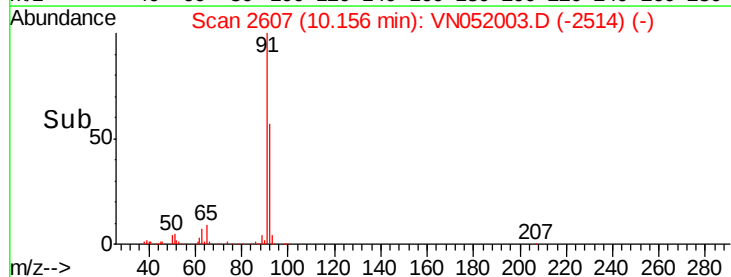
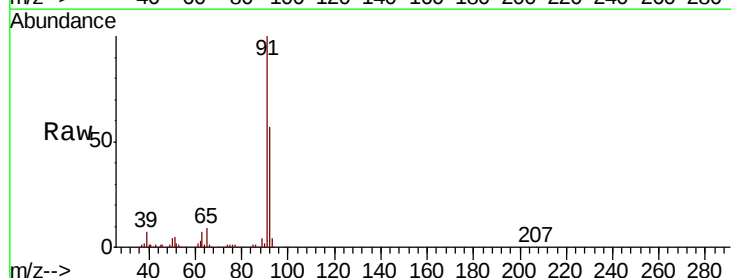
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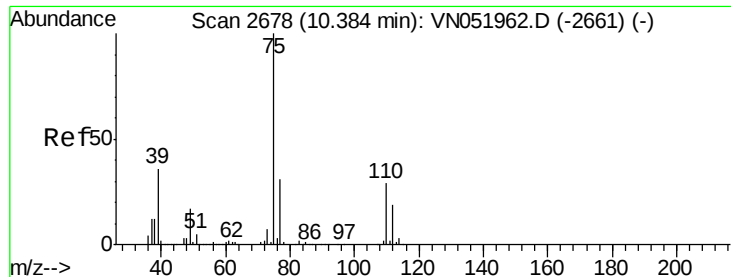
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#52
Toluene
Concen: 19.050 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.0	139.8	209.6





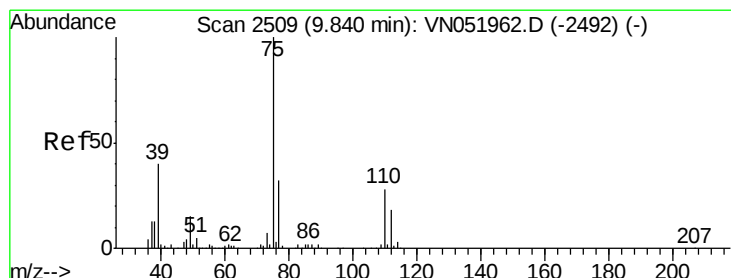
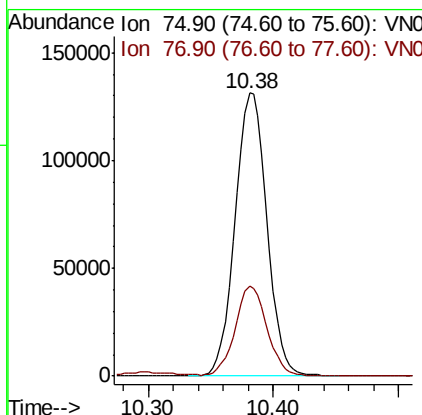
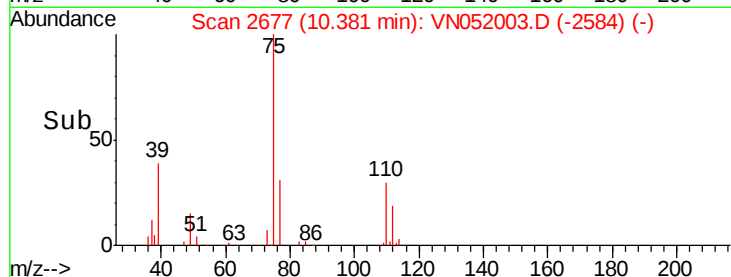
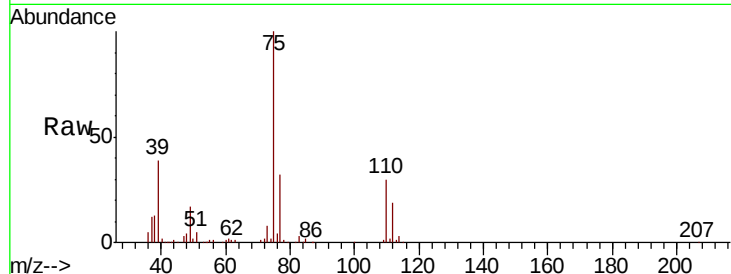
#53
t-1,3-Dichloropropene
Concen: 17.846 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion: 75 Resp: 232426
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4

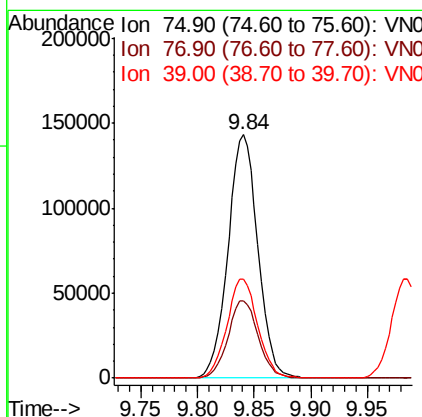
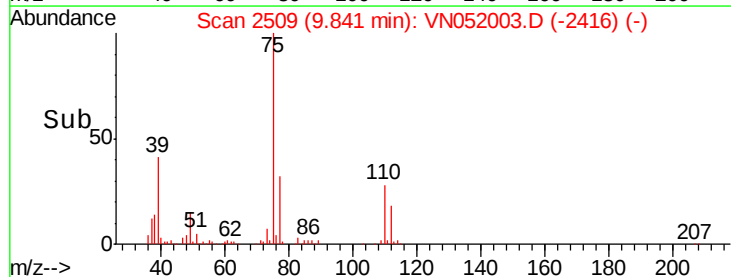
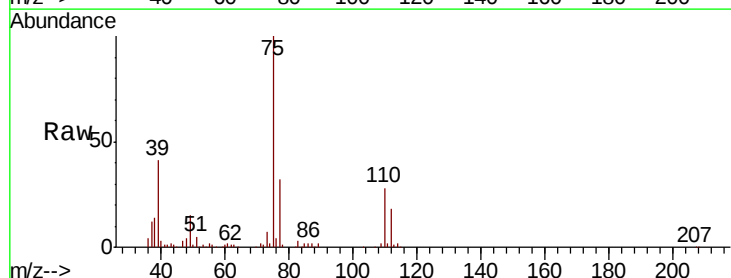
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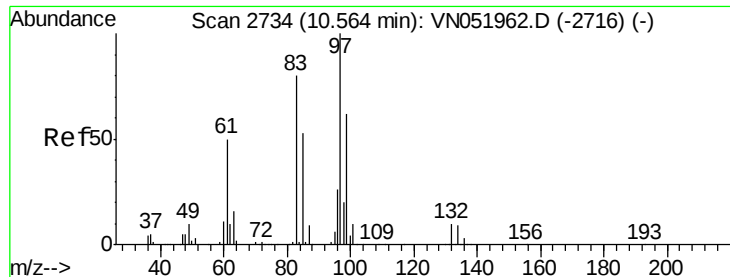
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.777 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion: 75 Resp: 262343
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8
39 40.4 32.0 48.0





#55

1,1,2-Trichloroethane

Concen: 19.205 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

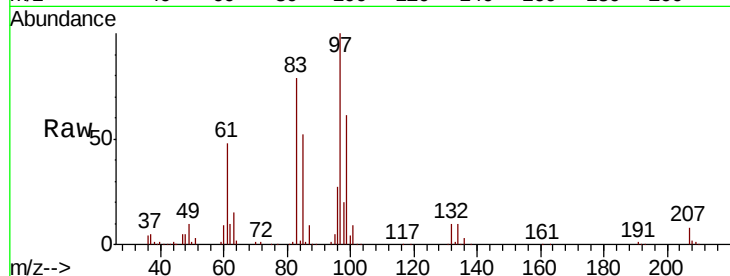
ClientSampleId :

VN1025WBSD01

Tot Ion:	97	Resp:	186765
Ion	Ratio	Lower	Upper
97	100		
83	78.7	64.0	96.0
85	52.1	42.4	63.6
99	60.6	49.4	74.2

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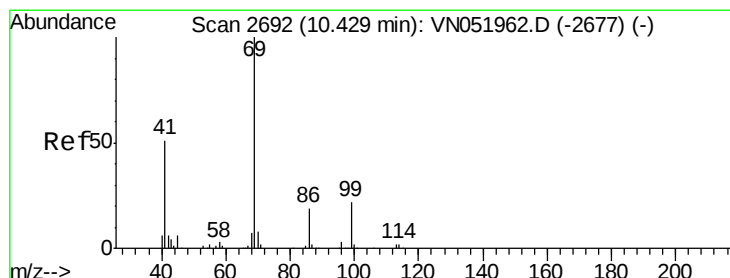
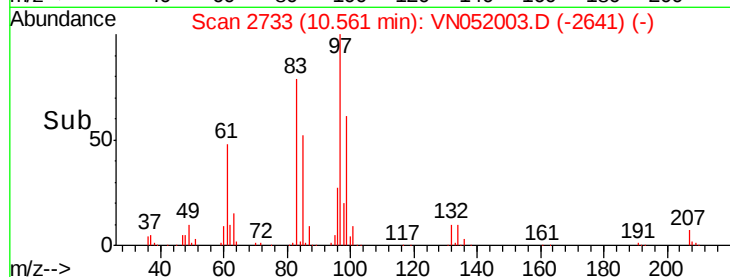
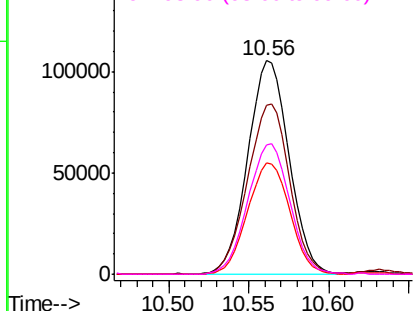
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.270 ug/l

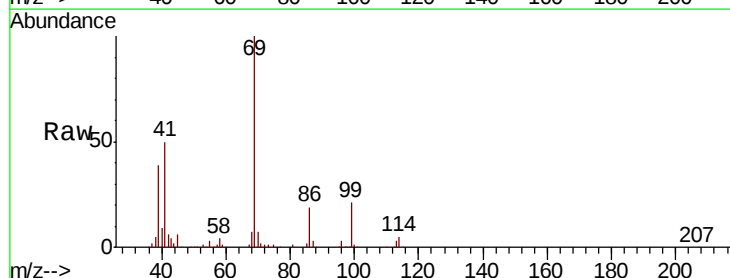
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Tgt Ion:	69	Resp:	201434
Ion	Ratio	Lower	Upper
69	100		
41	50.7	40.7	61.1
39	37.3	29.3	43.9

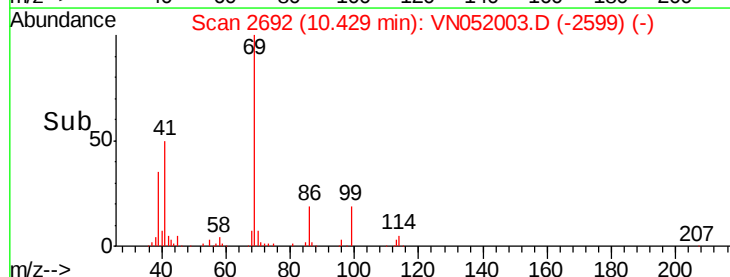
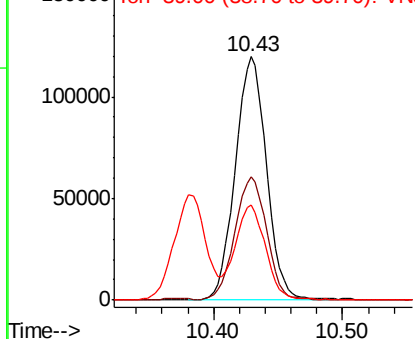


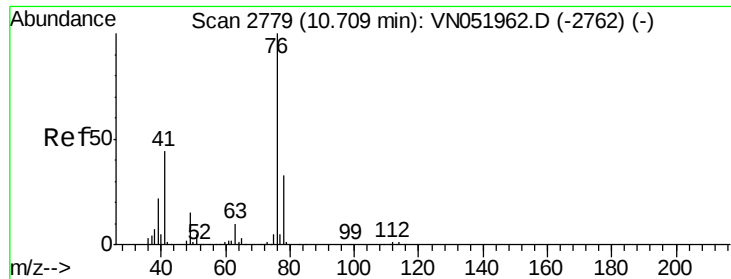
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 18.913 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion: 76 Resp: 279219

Ion Ratio Lower Upper

76 100

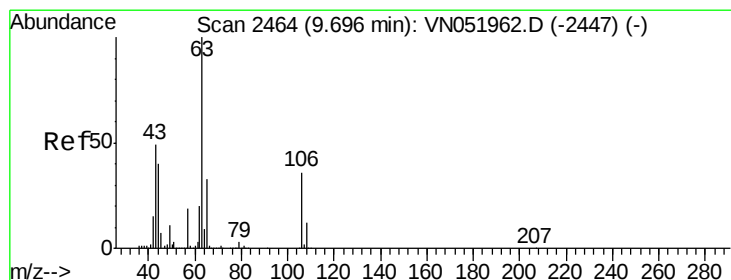
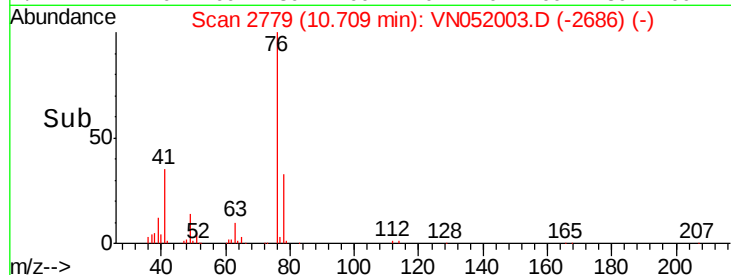
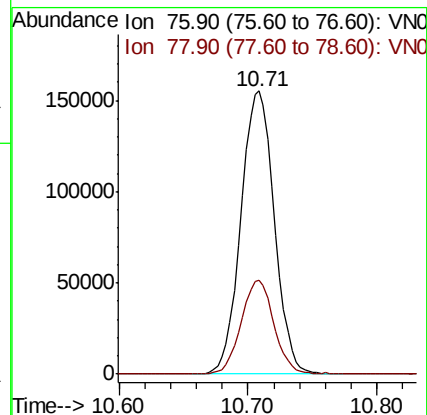
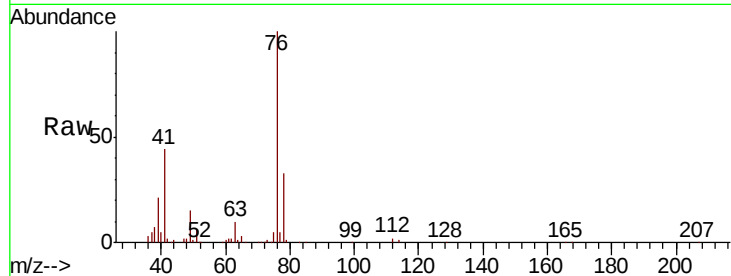
78 32.4 26.4 39.6

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#58

2-Chloroethyl Vinyl ether

Concen: 98.102 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052003.D

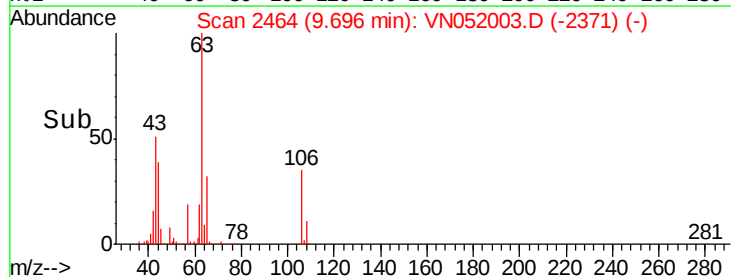
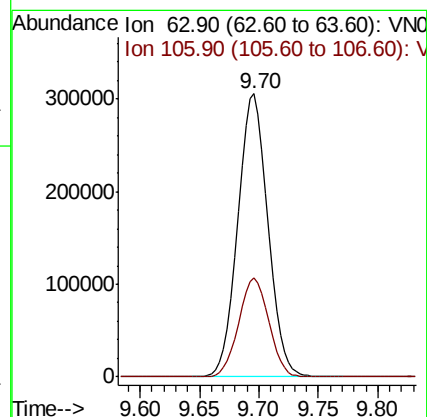
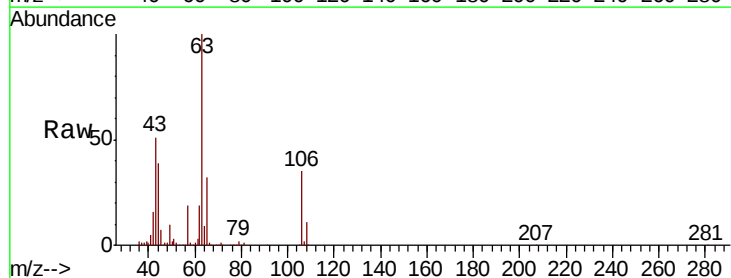
Acq: 25 Oct 2018 11:21

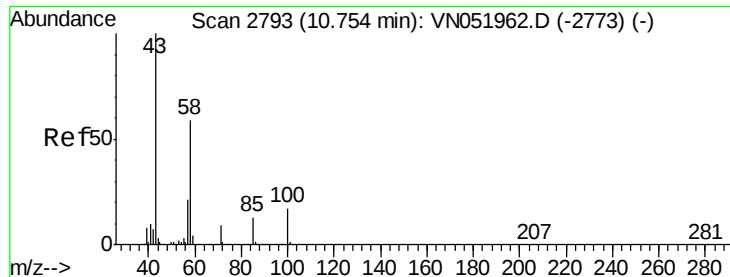
Tgt Ion: 63 Resp: 536585

Ion Ratio Lower Upper

63 100

106 35.2 28.3 42.5





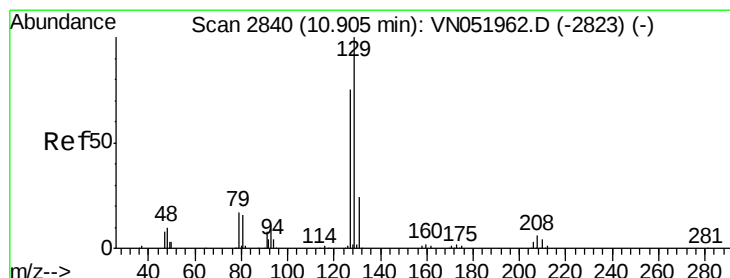
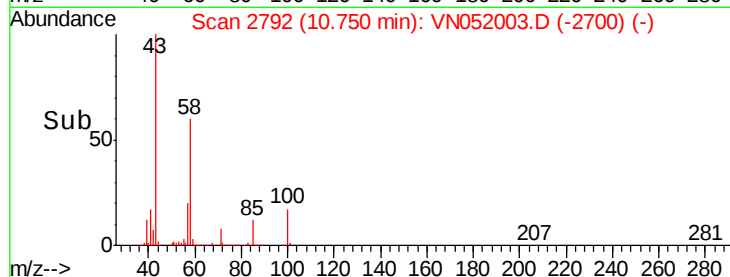
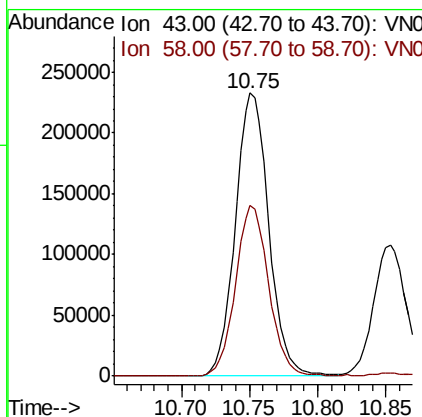
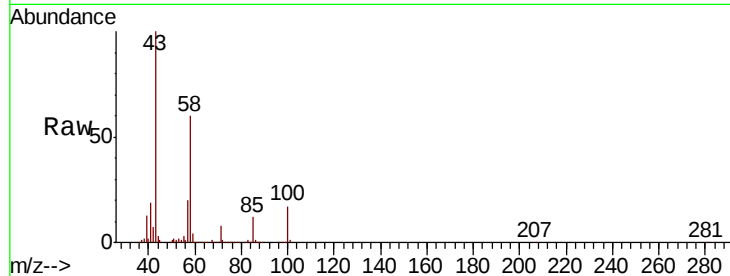
#59
2-Hexanone
Concen: 97.444 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	43	Resp	394278
Ion Ratio	43	100	
Lower	58	60.2	29.9
Upper			89.8

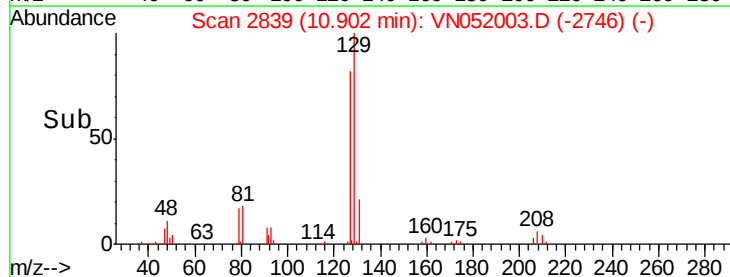
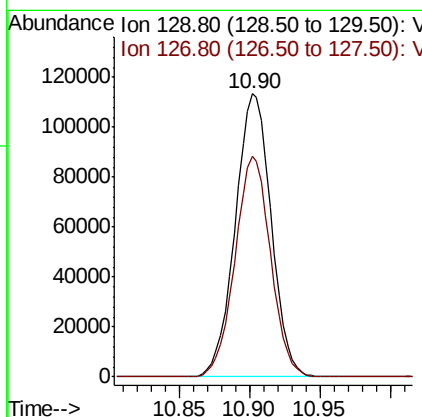
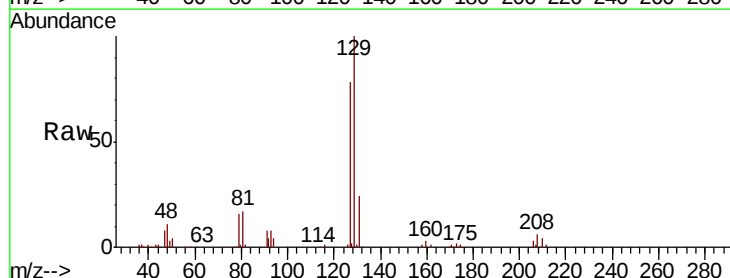
Manual Integrations
APPROVED

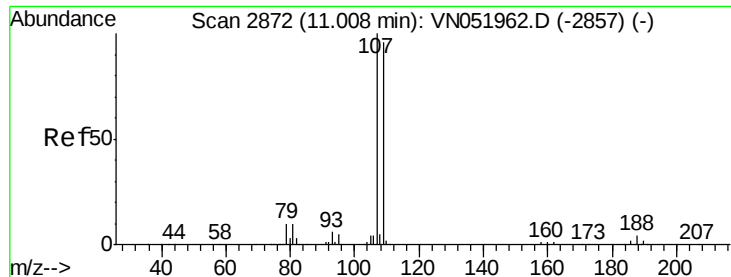
MMDadoda
10/26/2018 9:19:38 AM



#60
Dibromochloromethane
Concen: 17.654 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion	129	Resp	202485
Ion Ratio	129	100	
Lower	127	77.3	38.0
Upper			114.0





#61

1,2-Dibromoethane

Concen: 19.211 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion: 107 Resp: 196979

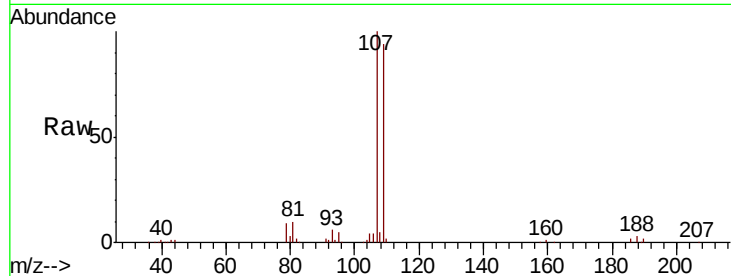
Ion Ratio Lower Upper

107 100

109 94.4 75.9 113.9

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

120000

100000

80000

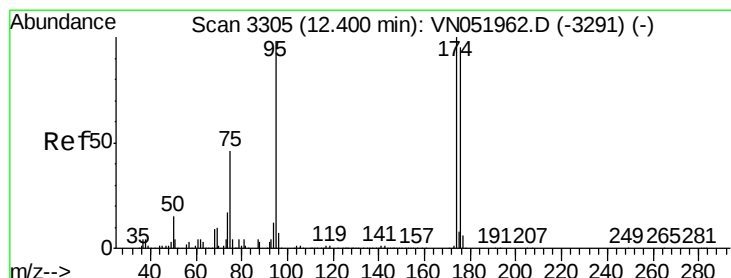
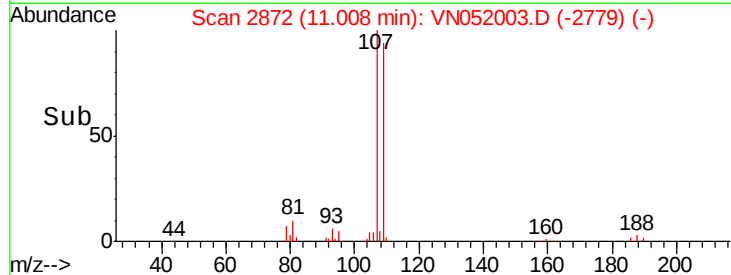
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 19.211 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

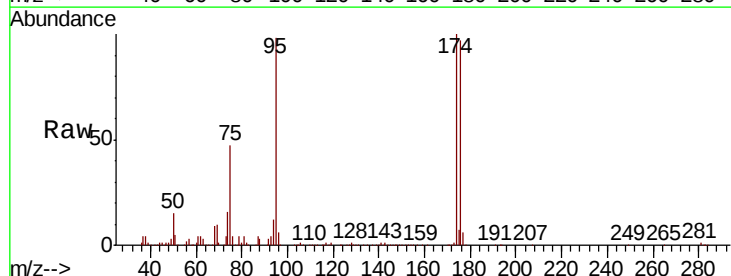
Tgt Ion: 95 Resp: 627433

Ion Ratio Lower Upper

95 100

174 104.2 0.0 206.0

176 100.5 0.0 198.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

500000

400000

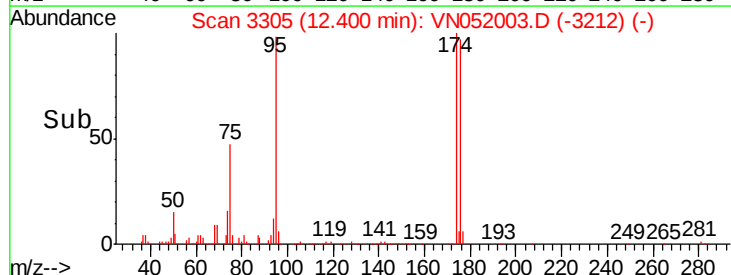
300000

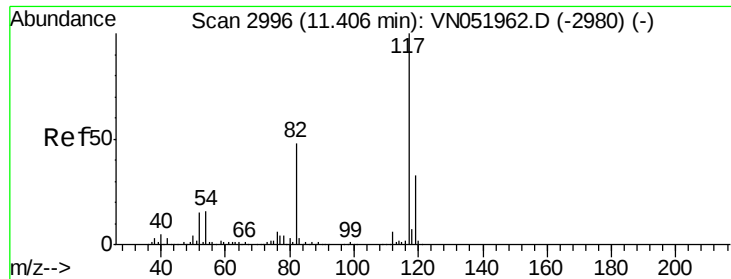
200000

100000

0

Time--> 12.30 12.35 12.40 12.45





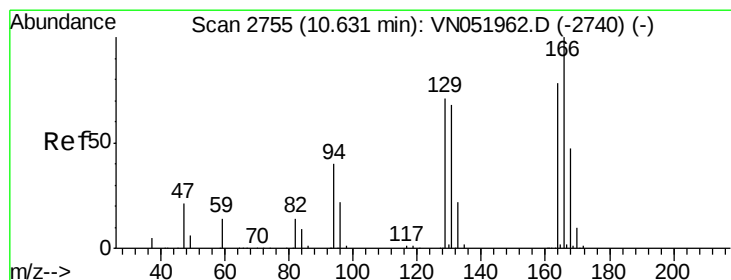
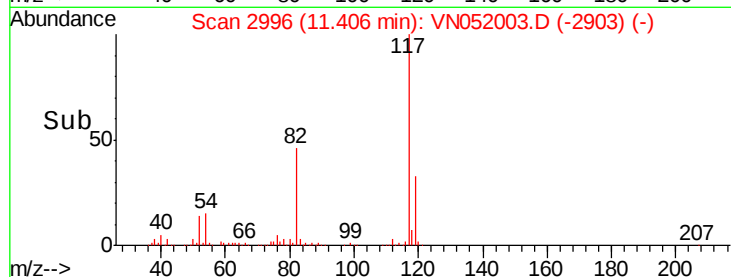
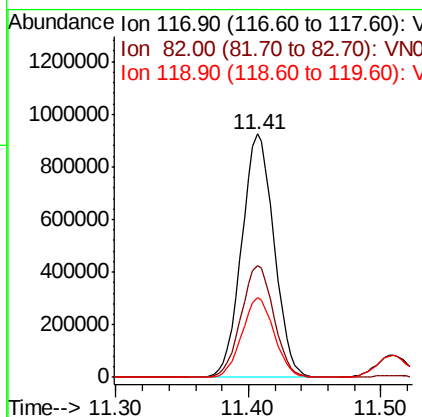
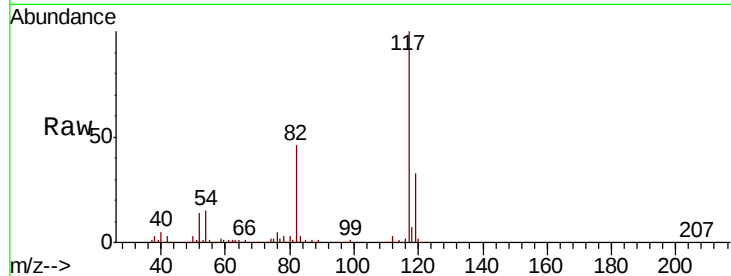
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion:117 Resp: 1567235
Ion Ratio Lower Upper
117 100
82 46.1 38.1 57.1
119 32.6 26.4 39.6

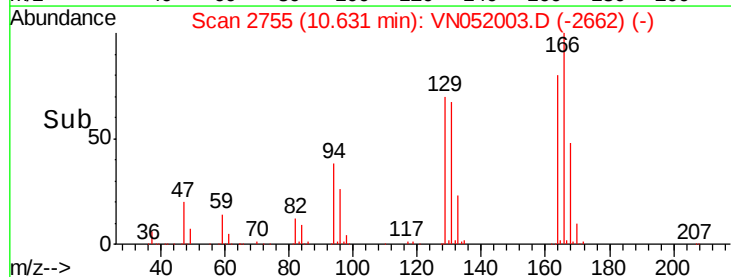
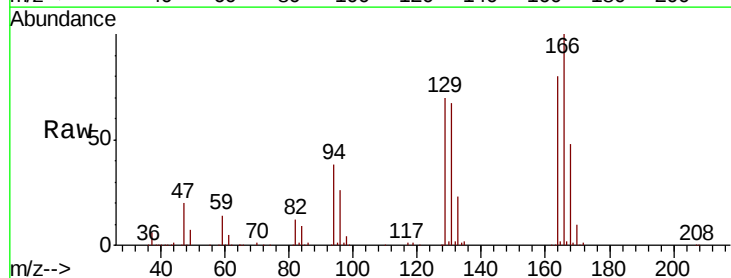
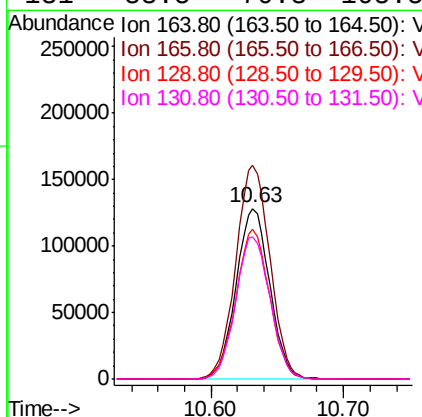
Manual Integrations
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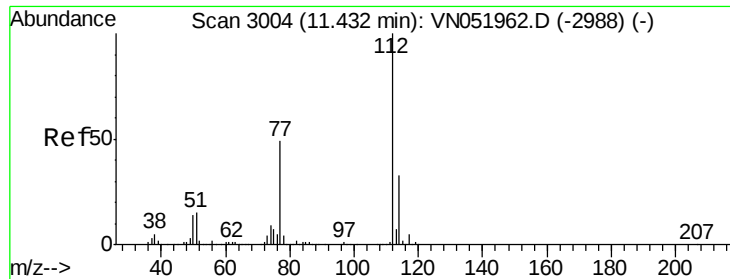
MMDadoda
10/26/2018 9:19:38 AM



#64
Tetrachloroethene
Concen: 18.808 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion:164 Resp: 226238
Ion Ratio Lower Upper
164 100
166 125.1 103.1 154.7
129 87.4 73.6 110.4
131 83.5 70.3 105.5





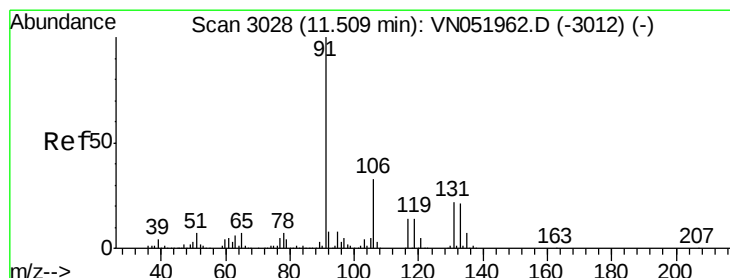
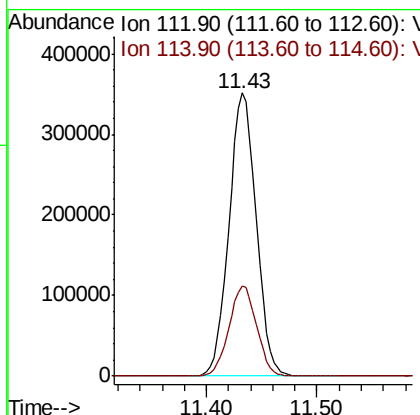
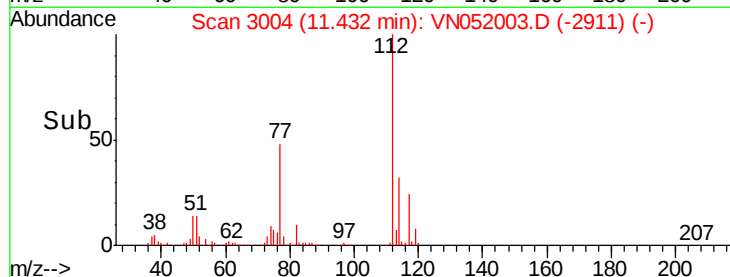
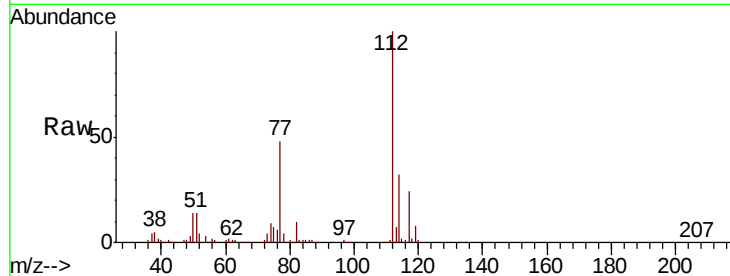
#65
Chlorobenzene
Concen: 18.967 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.1	39.1

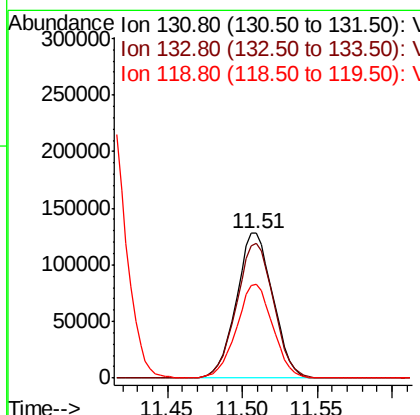
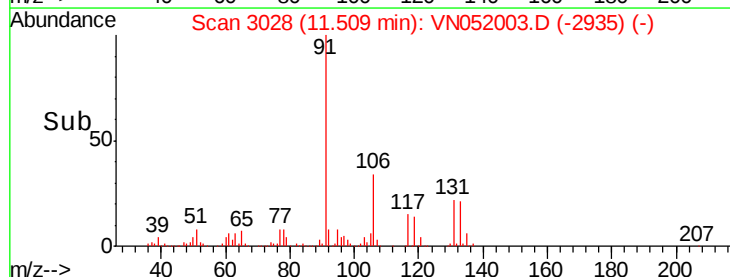
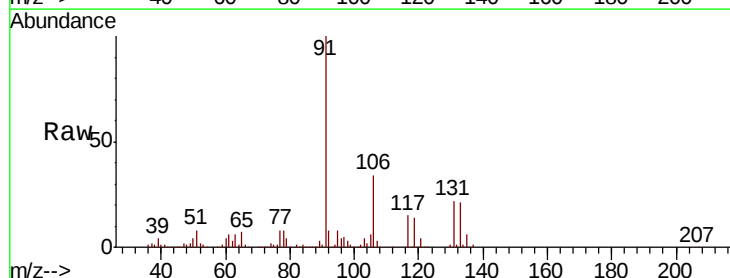
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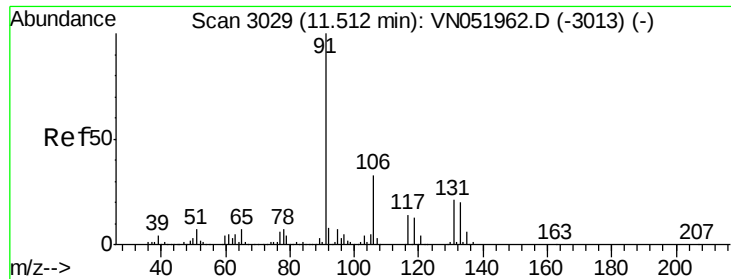
MMDadoda
10/26/2018 9:19:38 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.178 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.8	143.3
119	64.1	32.0	96.2





#67

Ethyl Benzene

Concen: 18.617 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion: 91 Resp: 946948

Ion Ratio Lower Upper

91 100

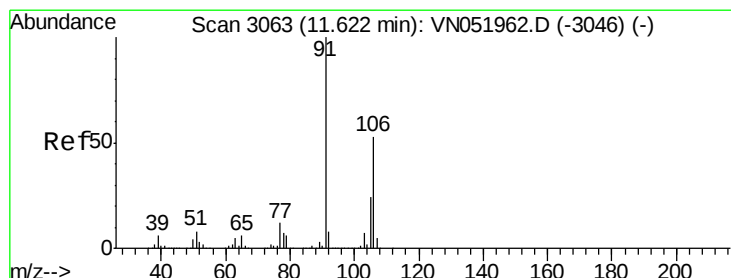
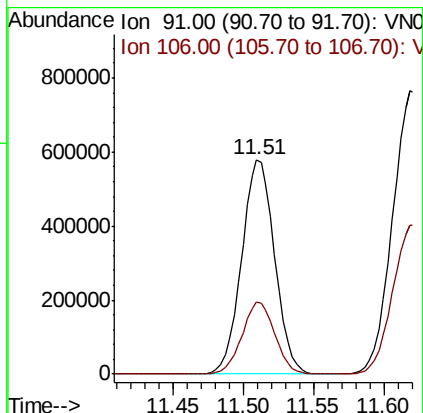
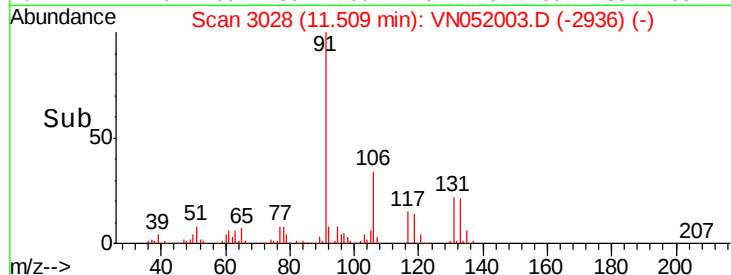
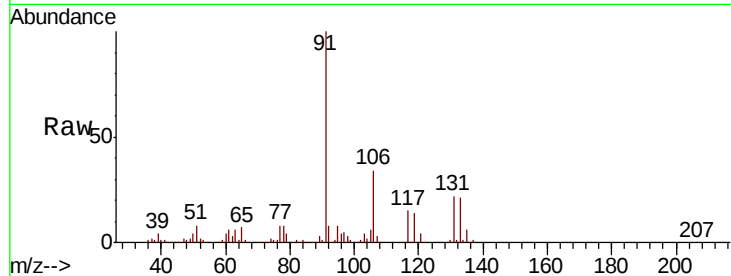
106 33.6 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

10/26/2018 9:19:38 AM



#68

m/p-Xylenes

Concen: 38.617 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052003.D

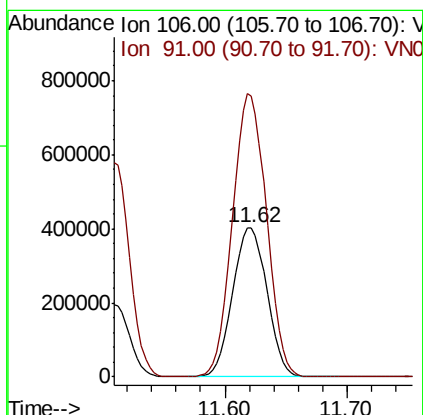
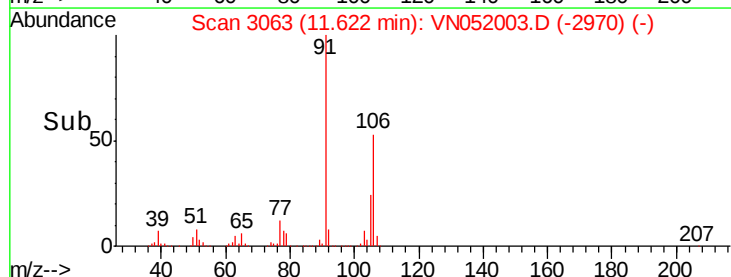
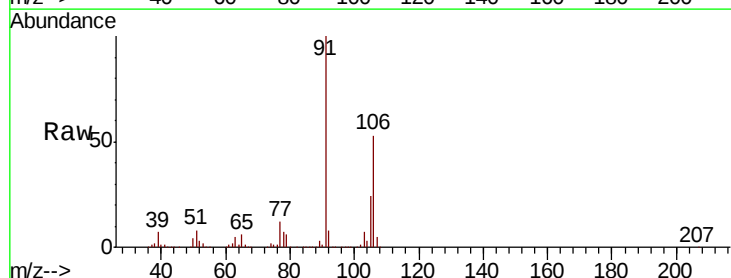
Acq: 25 Oct 2018 11:21

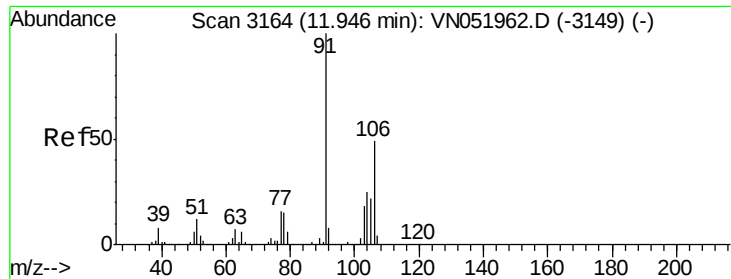
Tgt Ion: 106 Resp: 784787

Ion Ratio Lower Upper

106 100

91 187.5 152.2 228.2





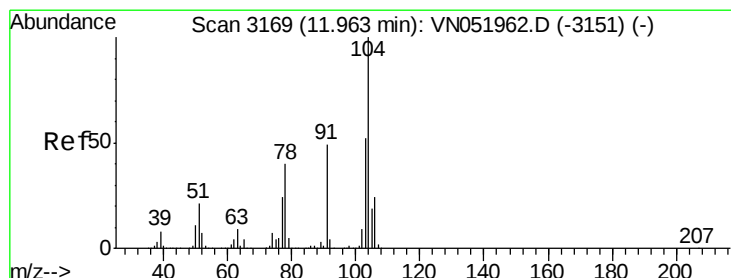
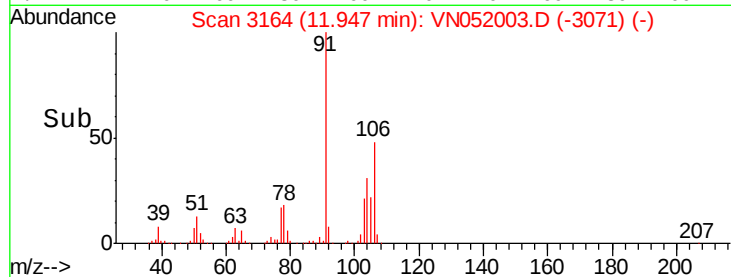
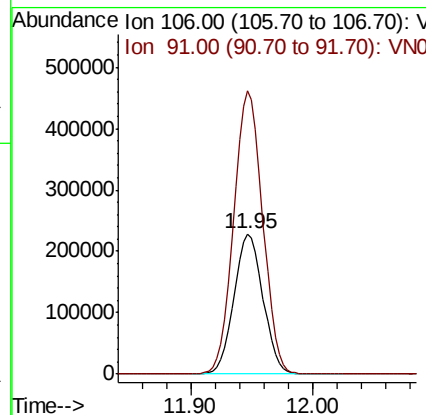
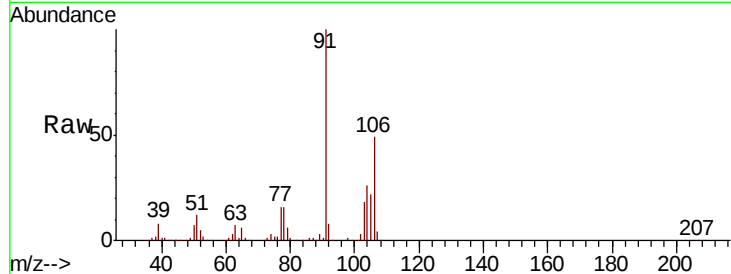
#69
o-Xylene
Concen: 19.151 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampled :
VN1025WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	201.5	101.0	378498	303.0	

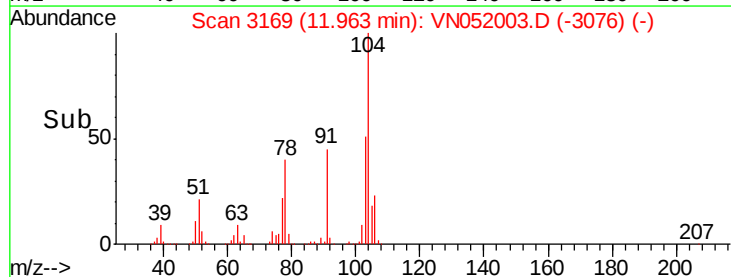
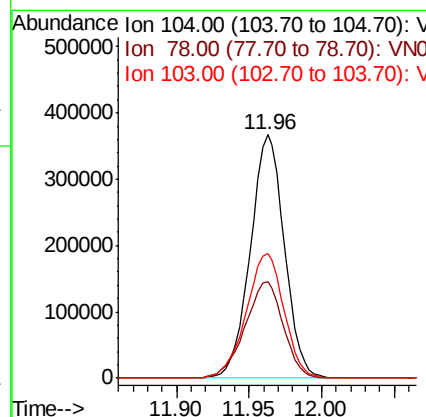
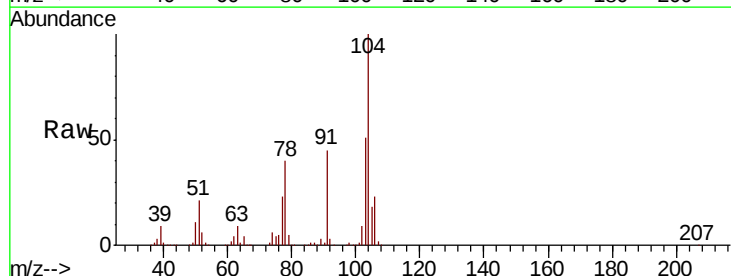
Manual Integrations
APPROVED

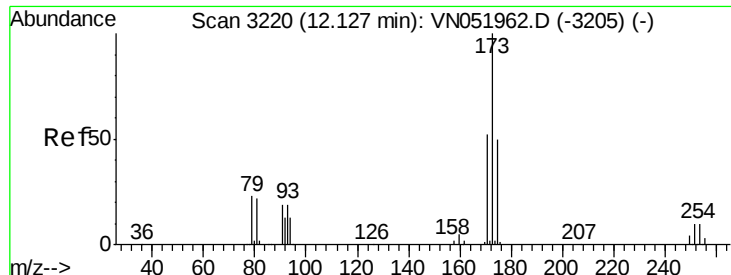
MMDadoda
10/26/2018 9:19:38 AM



#70
Styrene
Concen: 18.990 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	44.4	35.8	599898	53.6	
103	56.8	44.9		67.3	





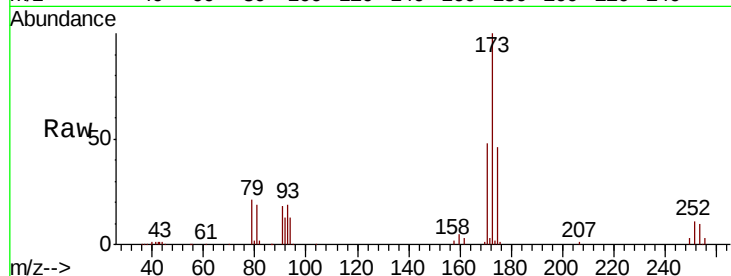
#71
Bromoform
Concen: 17.316 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.6	74.0
254	0.1	0.1	0.1

Manual Integrations
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10/26/2018 9:19:38 AM

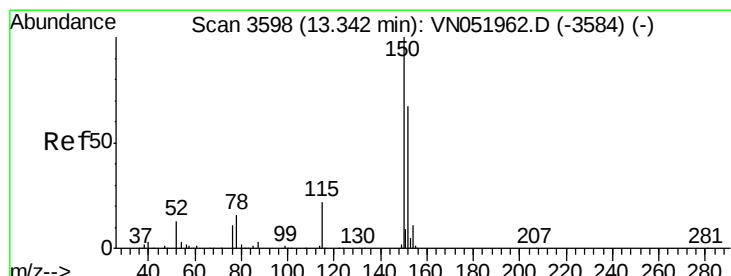
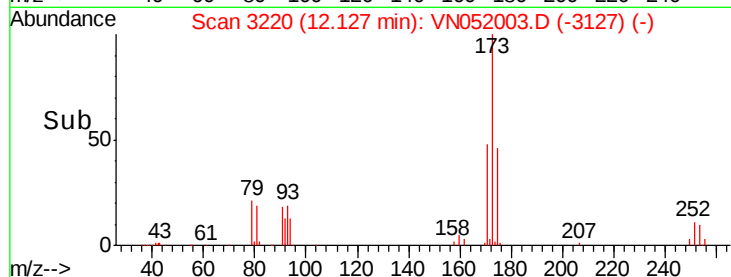
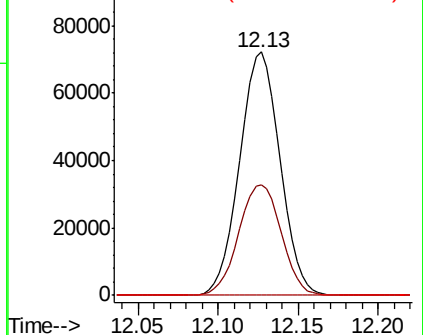


Abundance

Ion 172.70 (172.40 to 173.40): V

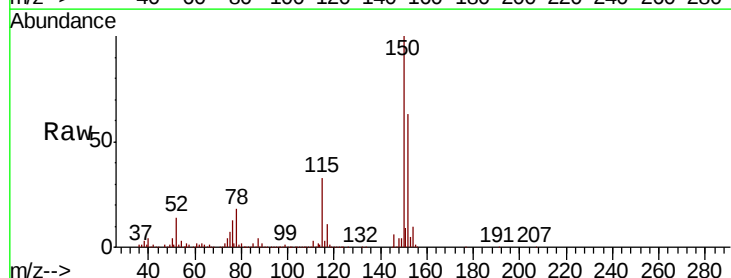
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.1	25.8	77.3
150	163.7	0.0	344.4

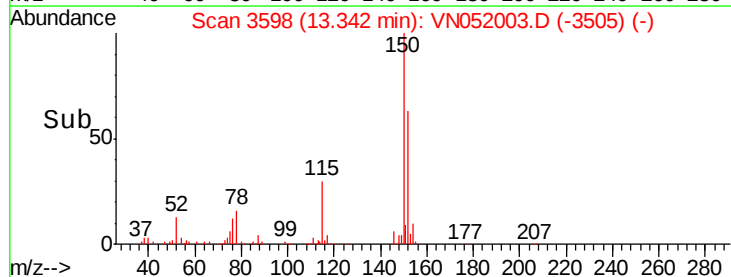
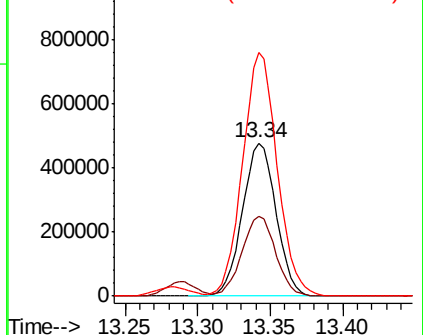


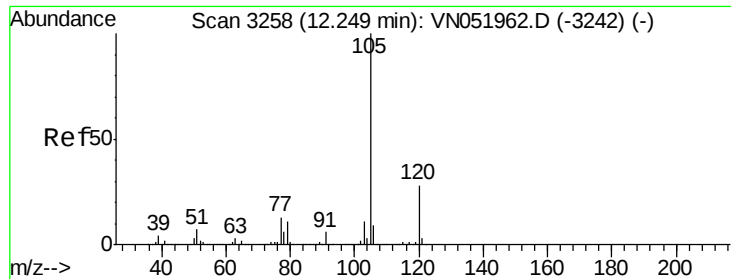
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.741 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion:105 Resp: 1010504

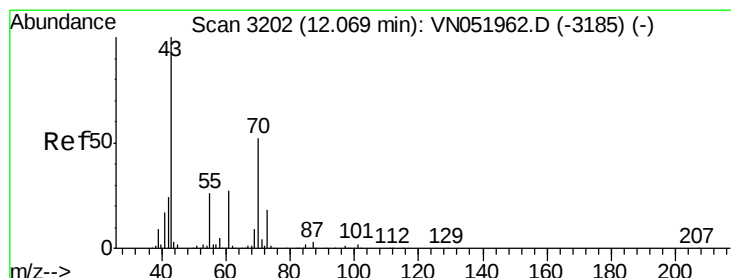
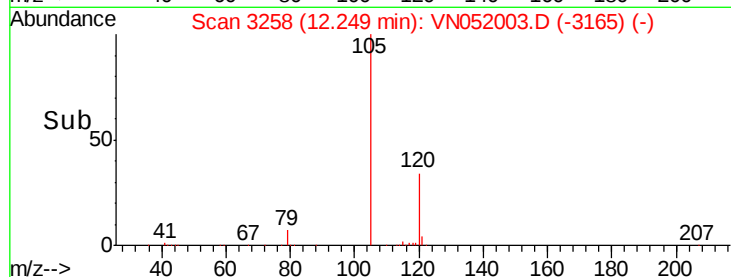
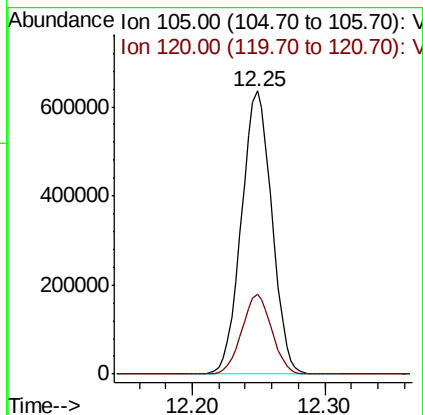
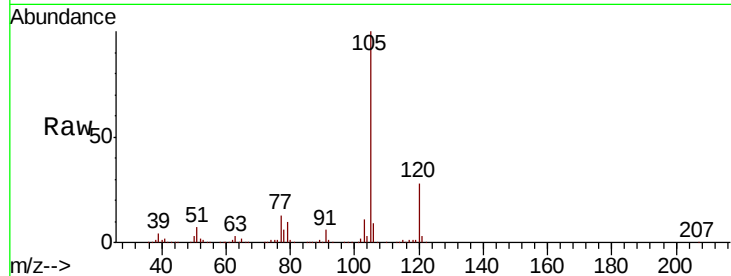
Ion Ratio Lower Upper

105 100

120 27.8 14.0 41.9

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 19.510 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Tgt Ion: 43 Resp: 187091

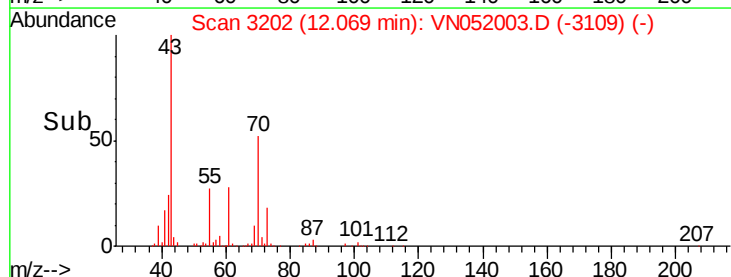
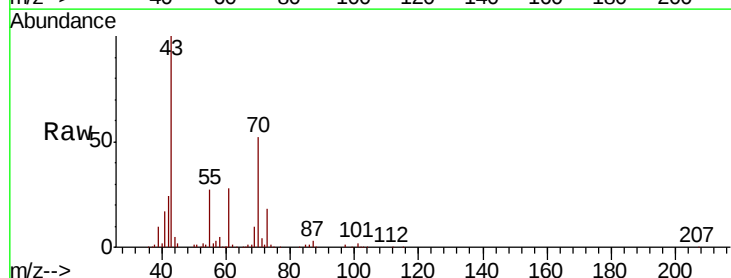
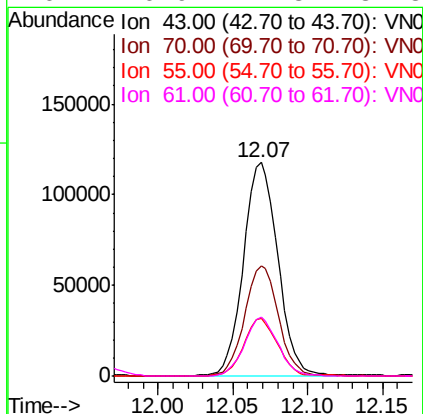
Ion Ratio Lower Upper

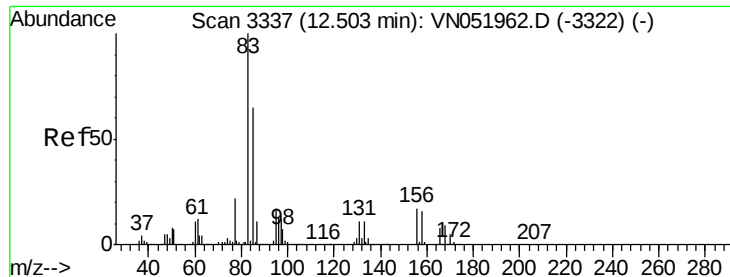
43 100

70 51.3 41.3 61.9

55 27.0 21.2 31.8

61 26.9 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.489 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion: 83 Resp: 196198

Ion Ratio Lower Upper

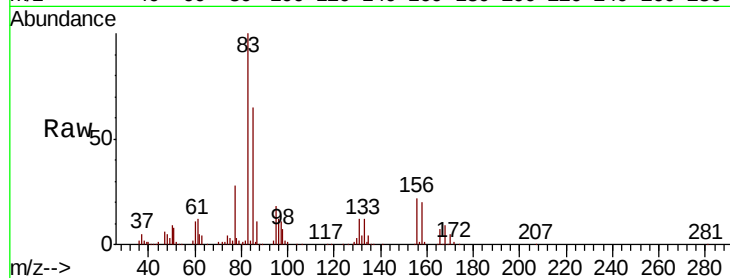
83 100

131 12.6 6.2 18.6

85 66.0 32.7 98.1

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Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051962.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051962.D (-3322) (-)

12.50

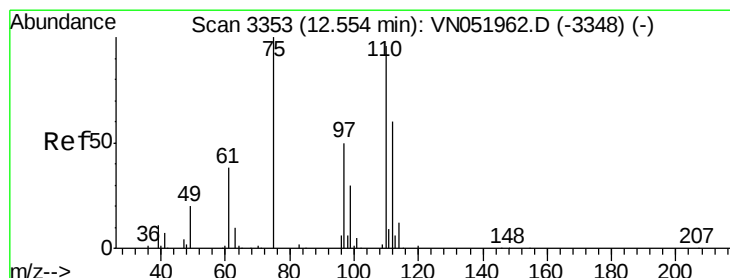
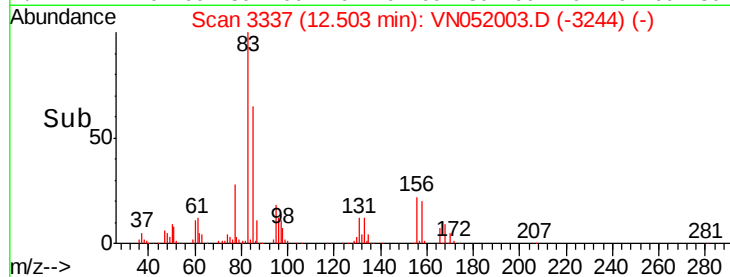
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.358 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052003.D

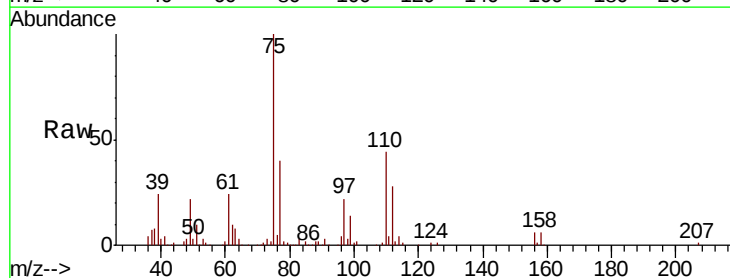
Acq: 25 Oct 2018 11:21

Tgt Ion: 75 Resp: 169483

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051962.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051962.D (-3348) (-)

12.55

200000

150000

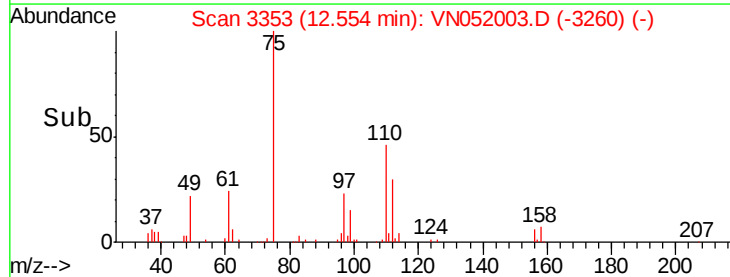
100000

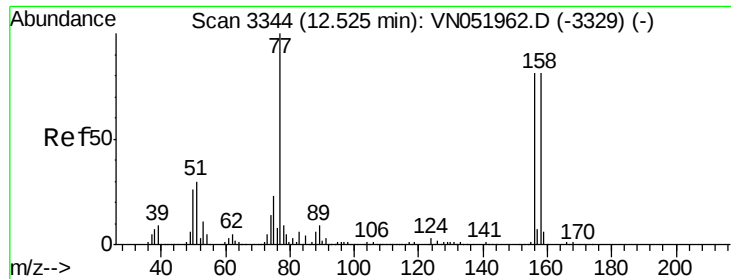
50000

0

12.55 12.60

Time-->





#77

Bromobenzene

Concen: 20.751 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

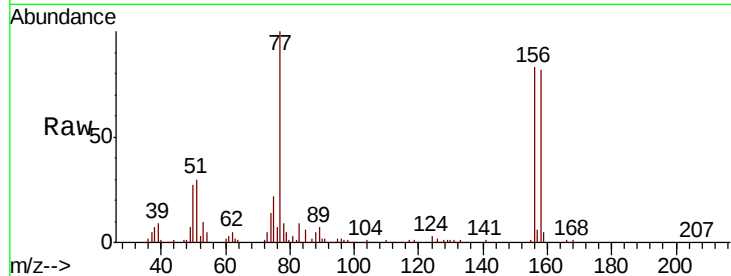
ClientSampleId :

VN1025WBSD01

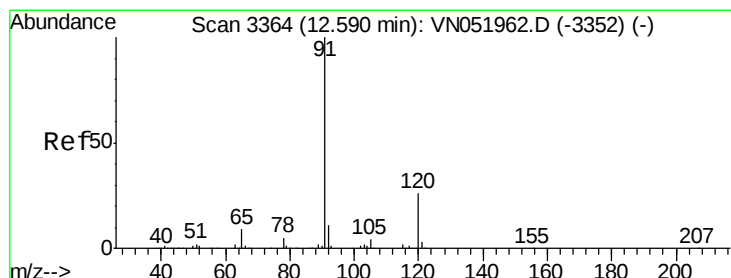
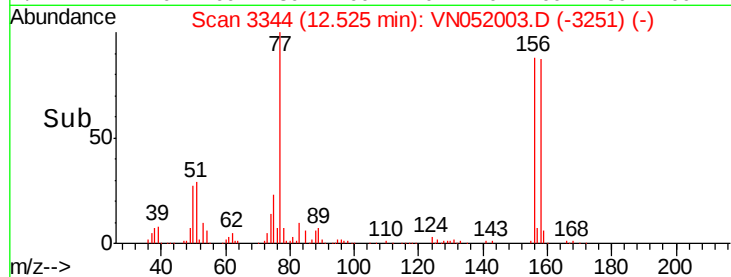
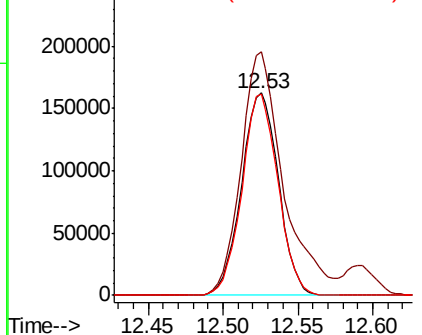
Tot Ion:	156	Resp:	279015
Ion Ratio	Lower	Upper	
156	100		
77	137.7	71.1	213.3
158	97.1	49.3	147.8

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.123 ug/l

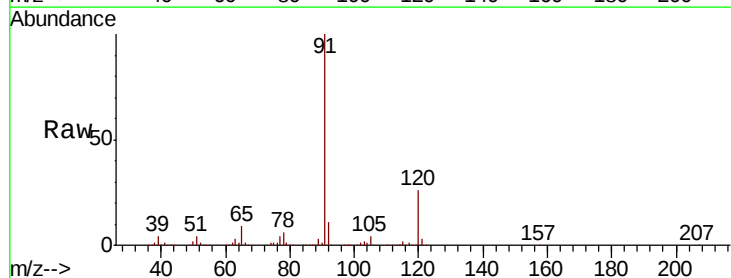
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

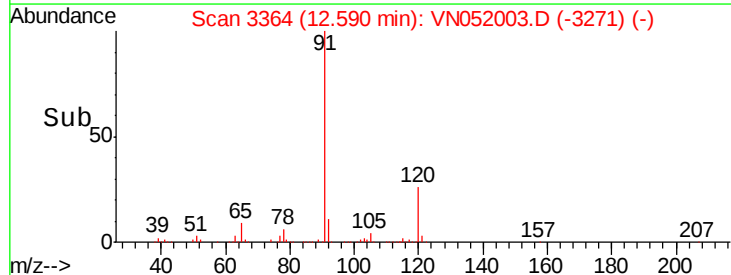
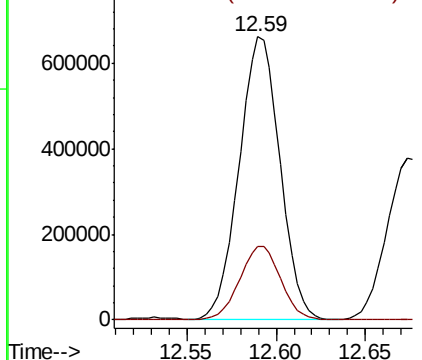
Lab File: VN052003.D

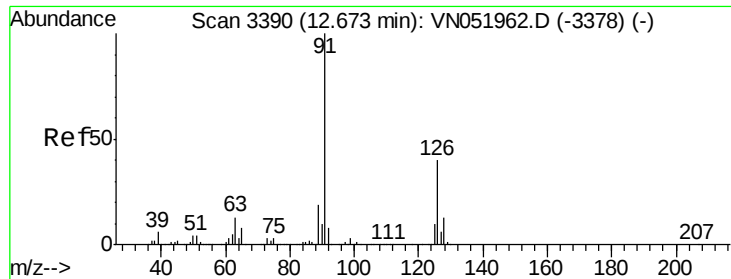
Acq: 25 Oct 2018 11:21

Tgt Ion:	91	Resp:	1057614
Ion Ratio	Lower	Upper	
91	100		
120	26.0	13.1	39.3



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.548 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion: 91 Resp: 628899

Ion Ratio Lower Upper

91 100

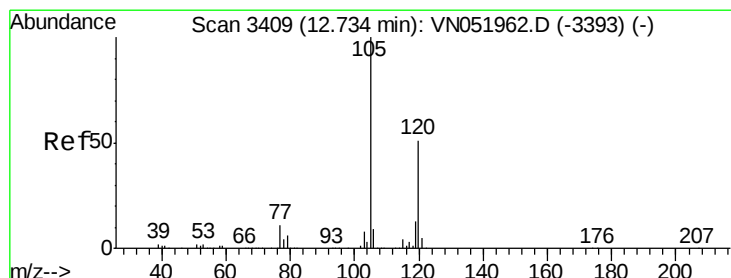
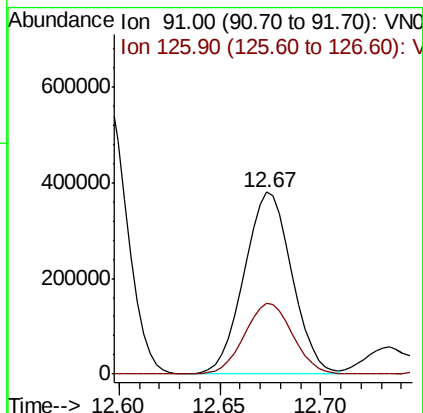
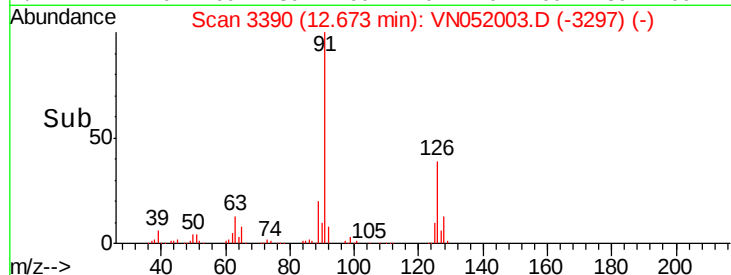
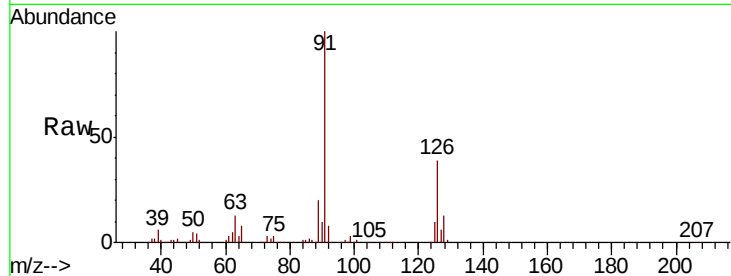
126 39.5 20.1 60.3

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#80

1,3,5-Trimethylbenzene

Concen: 20.705 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052003.D

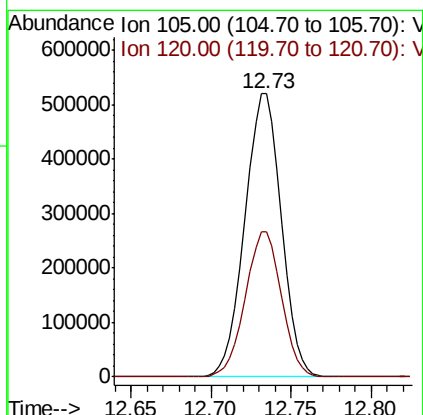
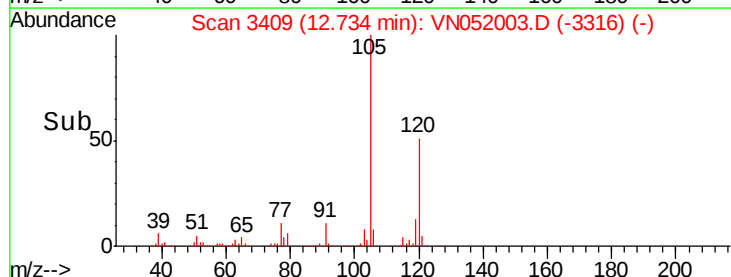
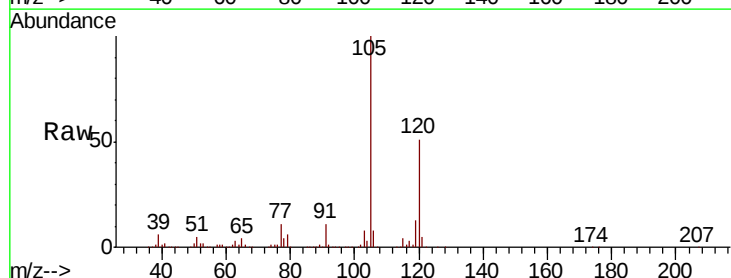
Acq: 25 Oct 2018 11:21

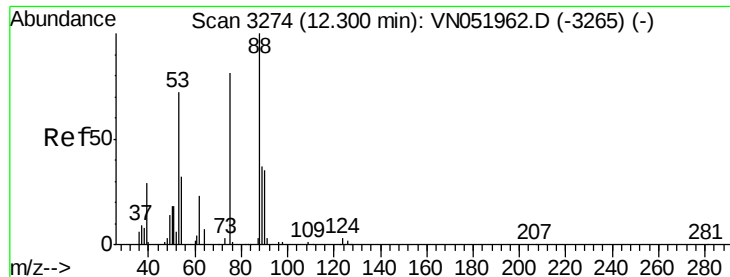
Tgt Ion: 105 Resp: 809308

Ion Ratio Lower Upper

105 100

120 50.7 25.7 77.1





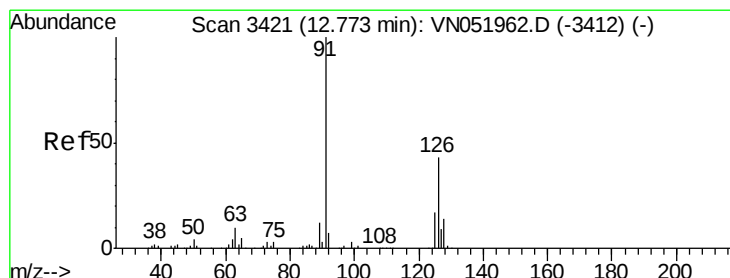
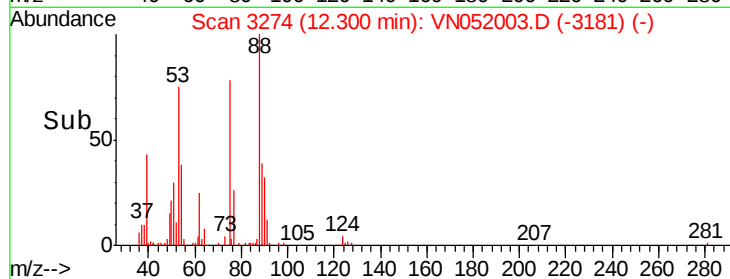
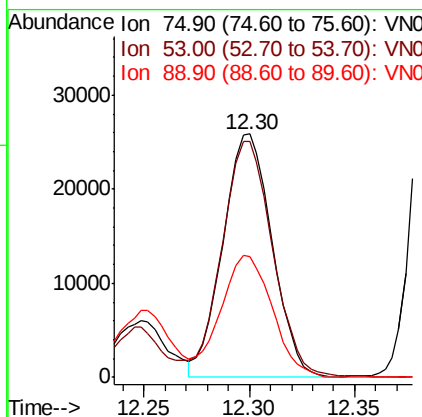
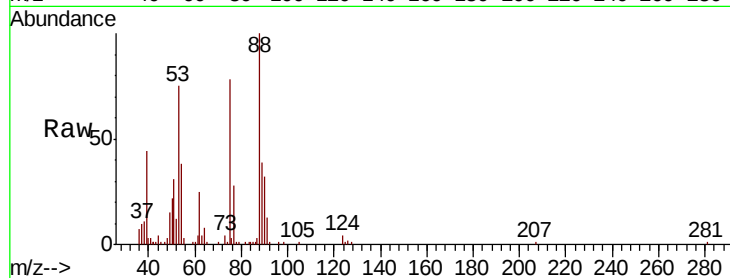
#81
trans-1,4-Dichloro-2-butene
Concen: 18.207 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.2	73.5	110.3
89	52.9	41.6	62.4

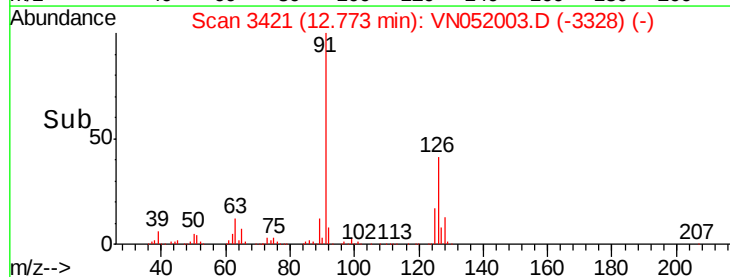
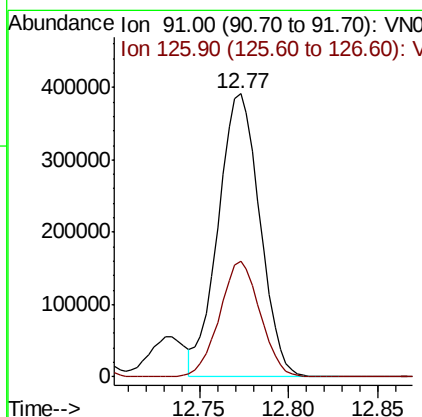
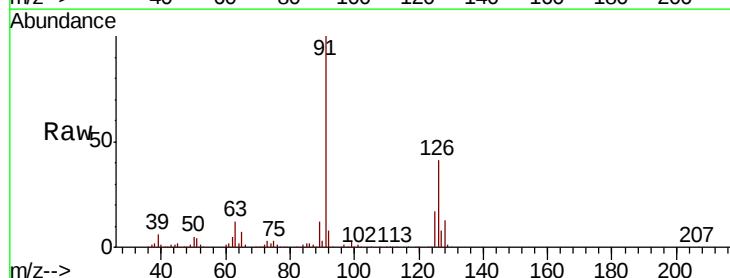
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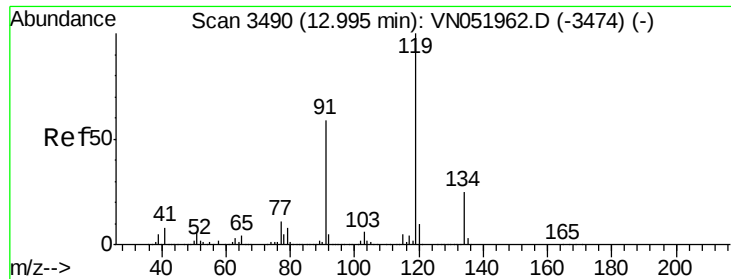
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#82
4-Chlorotoluene
Concen: 19.931 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	39.9	19.7	59.0





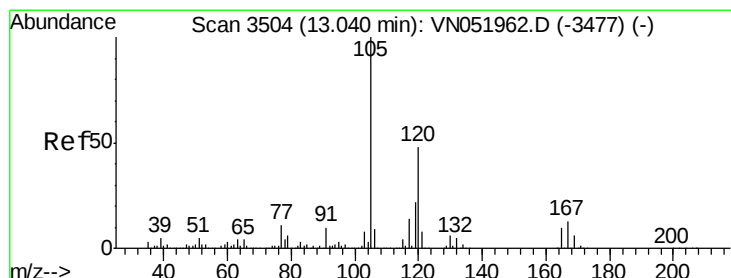
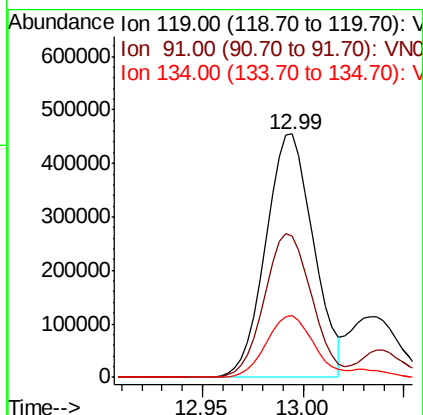
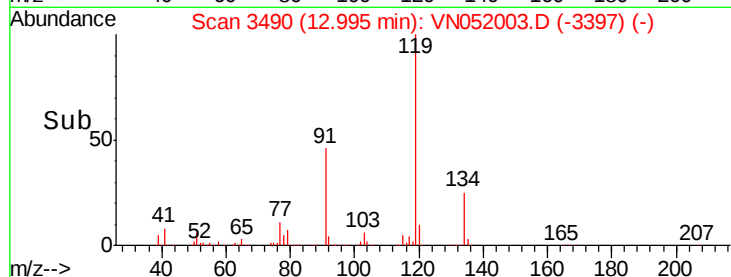
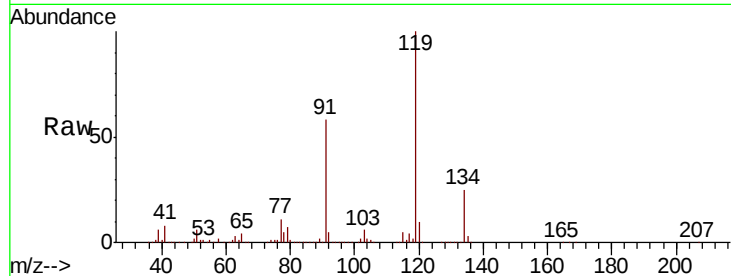
#83
tert-Butylbenzene
Concen: 20.248 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	748563		
91	58.5		28.8	86.4
134	25.5		13.4	40.1

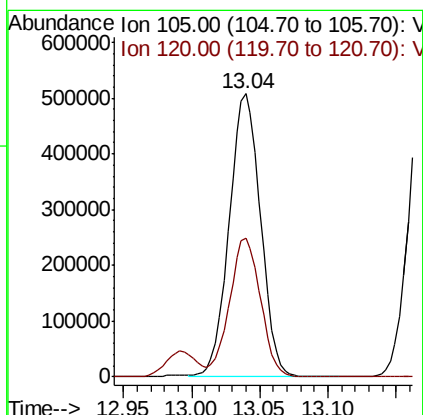
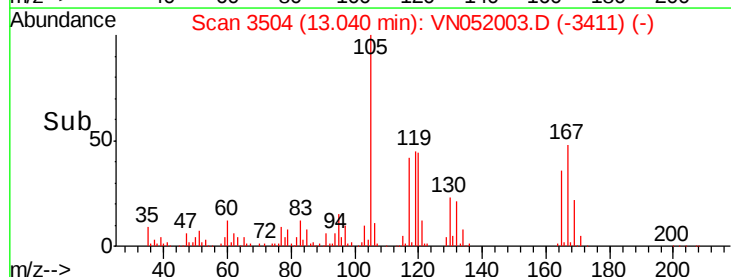
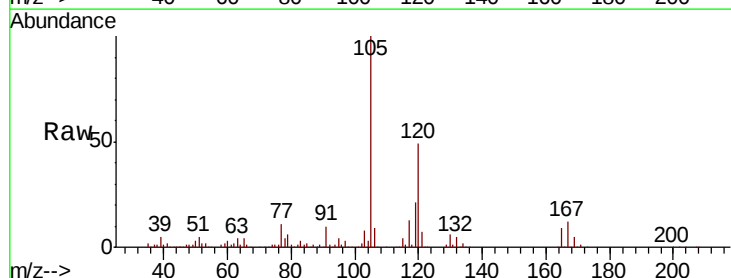
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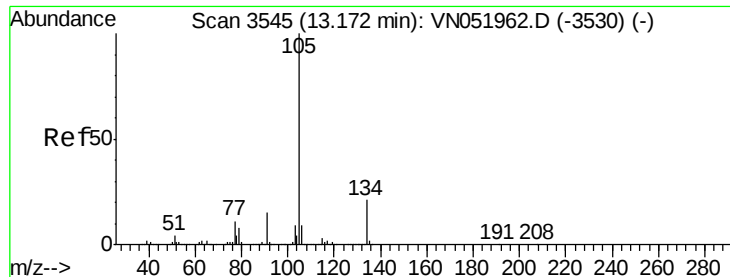
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.053 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	808544		
120	48.6		23.8	71.5





#85

sec-Butylbenzene

Concen: 19.803 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD01

Tot Ion:105 Resp: 956205

Ion Ratio Lower Upper

105 100

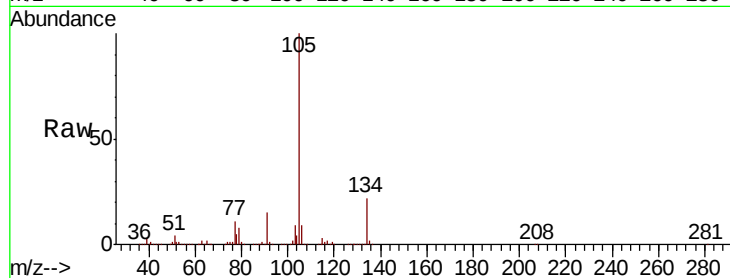
134 22.4 10.9 32.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

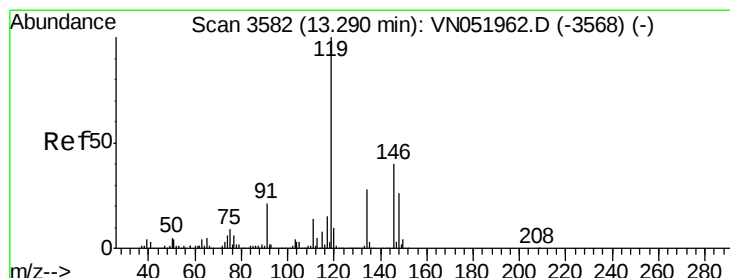
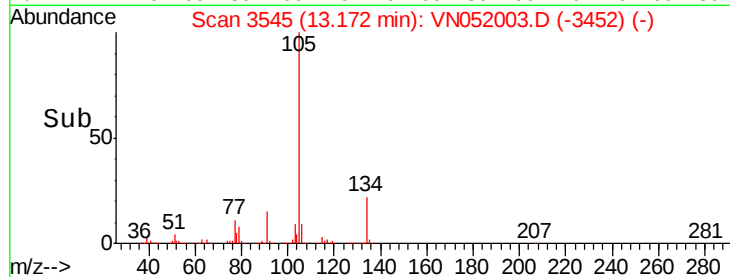
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.833 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052003.D

Acq: 25 Oct 2018 11:21

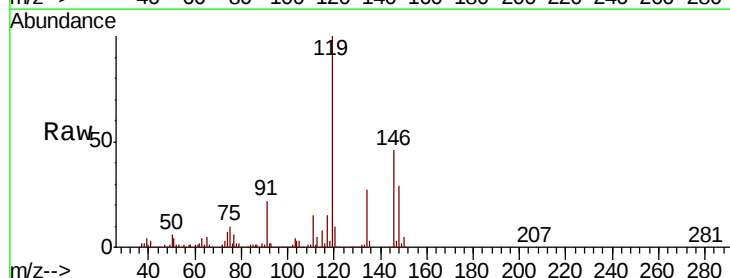
Tgt Ion:119 Resp: 862160

Ion Ratio Lower Upper

119 100

134 27.6 13.9 41.7

91 21.4 10.6 31.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

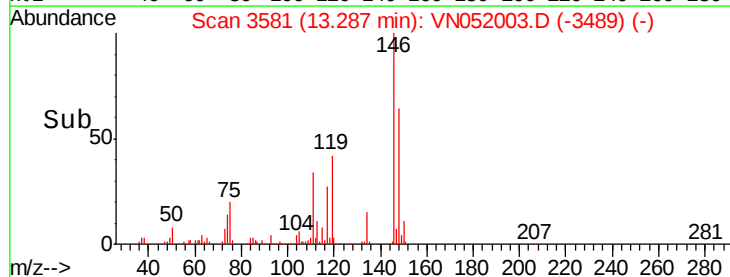
600000

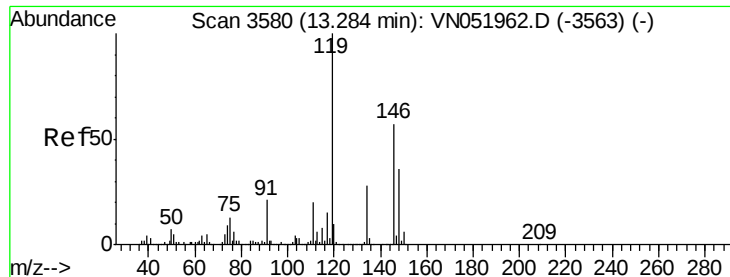
400000

200000

0

Time-->





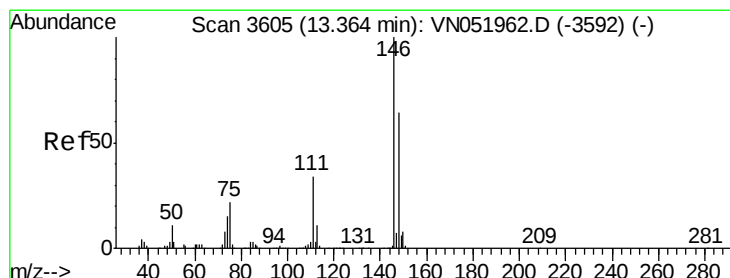
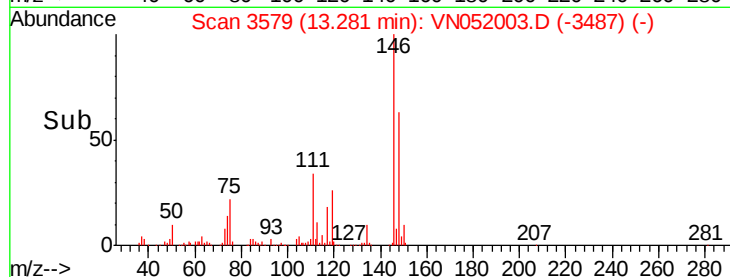
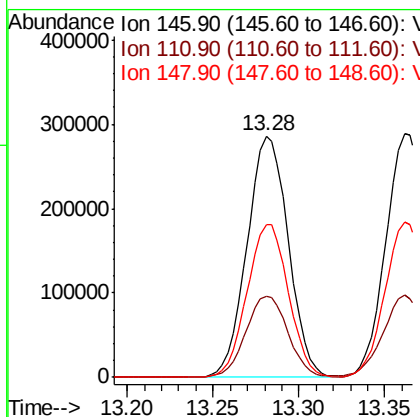
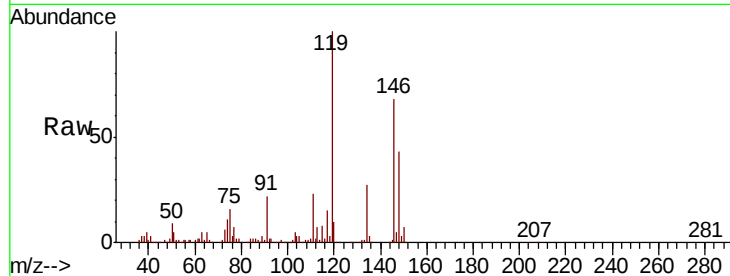
#87
 1,3-Dichlorobenzene
 Concen: 19.200 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052003.D
 Acq: 25 Oct 2018 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.3	17.6	52.8
148	63.5	32.0	96.0

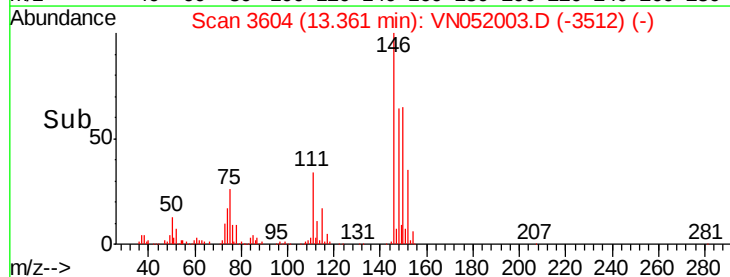
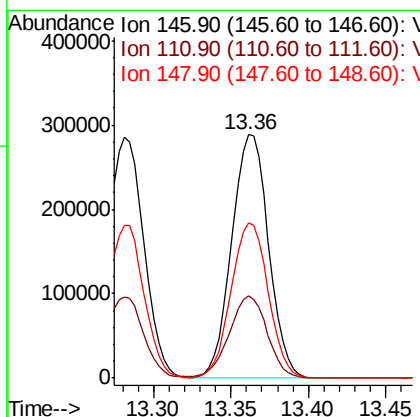
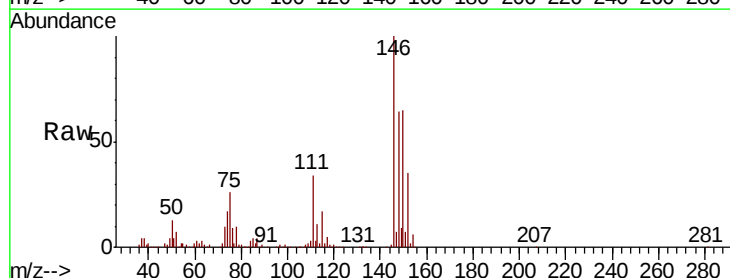
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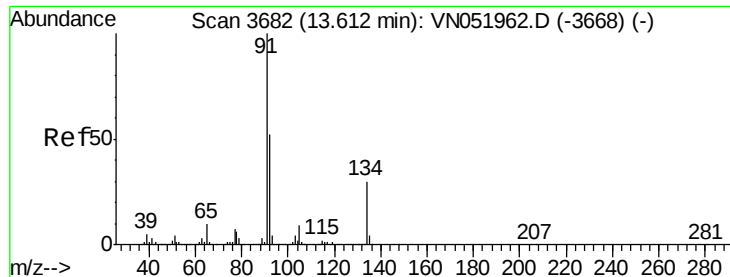
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#88
 1,4-Dichlorobenzene
 Concen: 19.510 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052003.D
 Acq: 25 Oct 2018 11:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	17.3	51.7
148	64.4	32.1	96.3





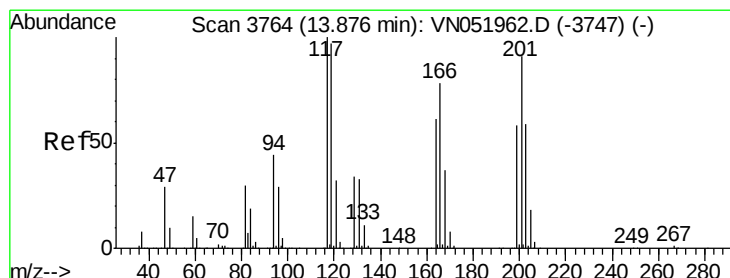
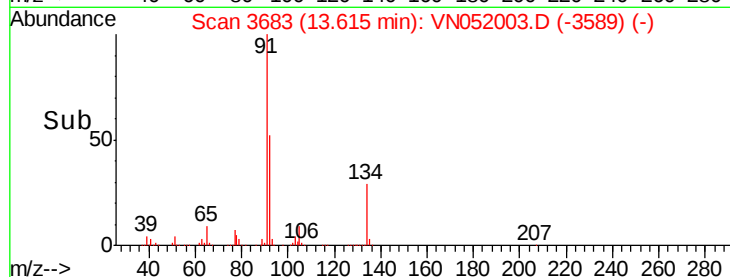
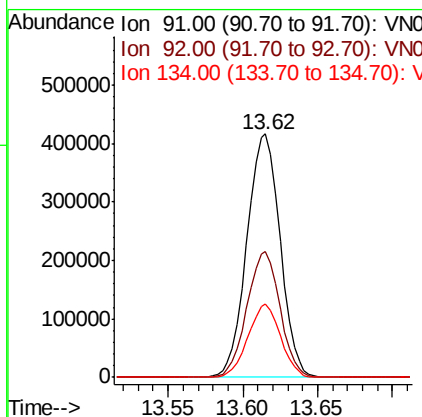
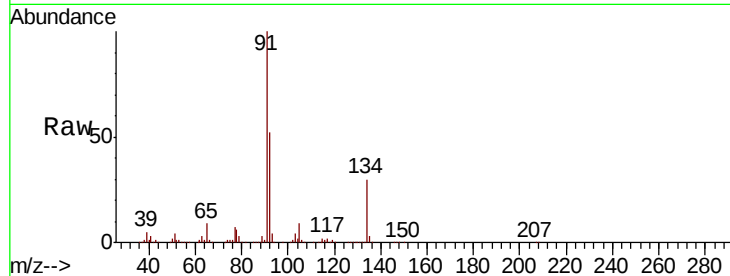
#89
n-Butylbenzene
Concen: 18.594 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.9	77.8
134	29.5	15.2	45.6

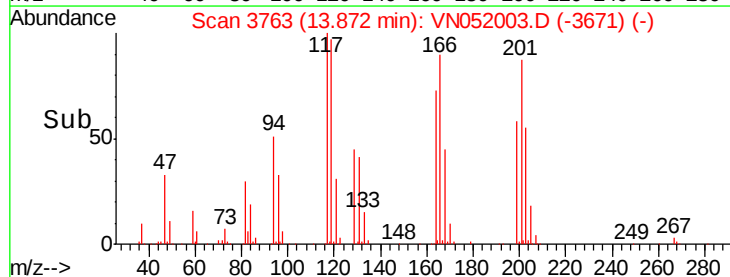
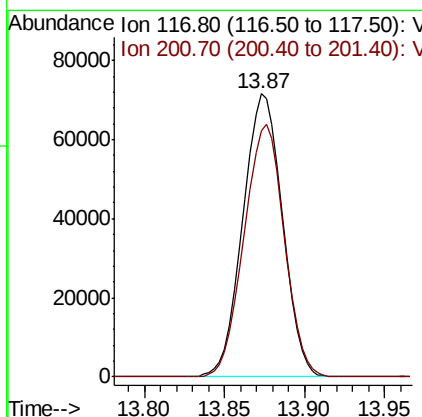
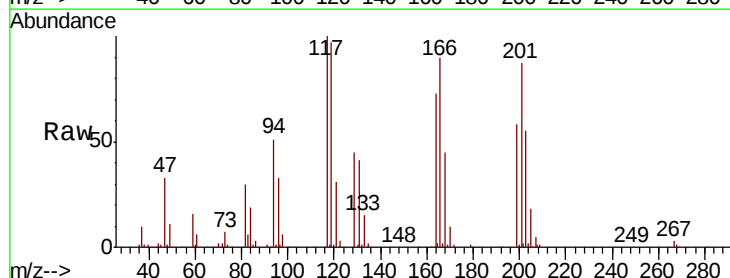
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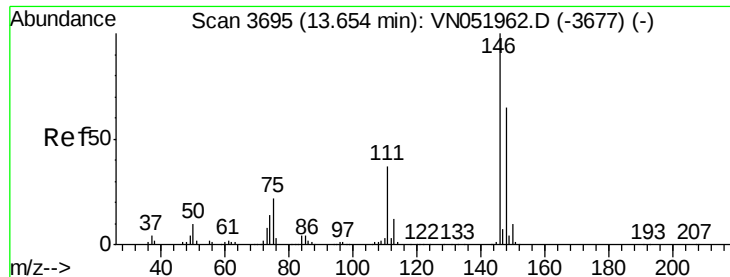
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#90
Hexachloroethane
Concen: 18.682 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.6	45.6	136.9





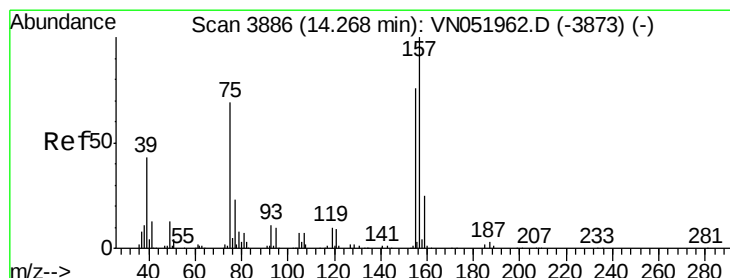
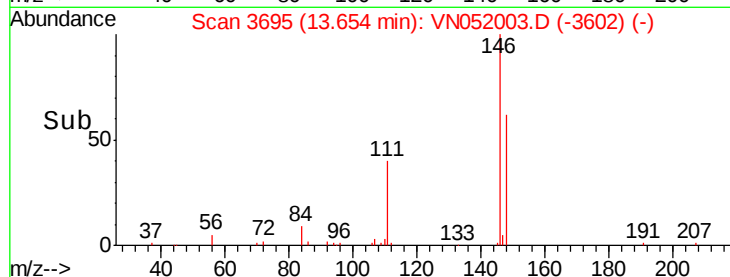
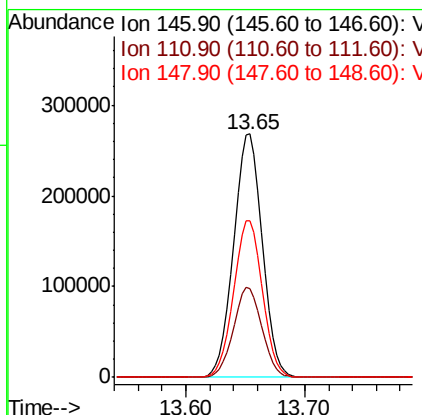
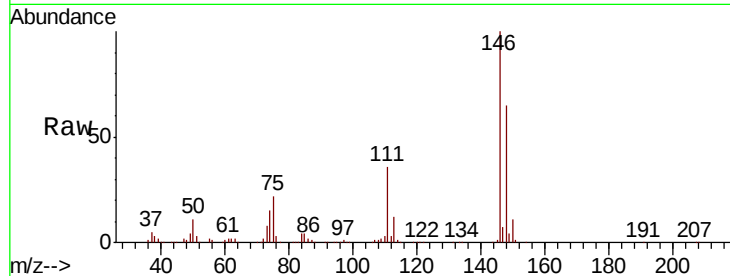
#91
 1,2-Dichlorobenzene
 Concen: 18.623 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052003.D
 Acq: 25 Oct 2018 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.3	54.9
148	64.5	32.4	97.0

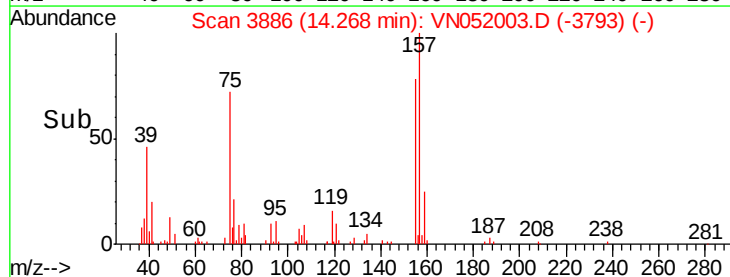
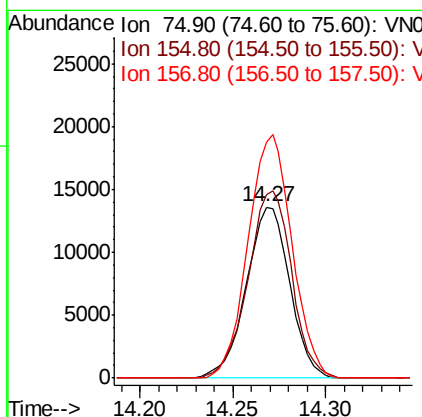
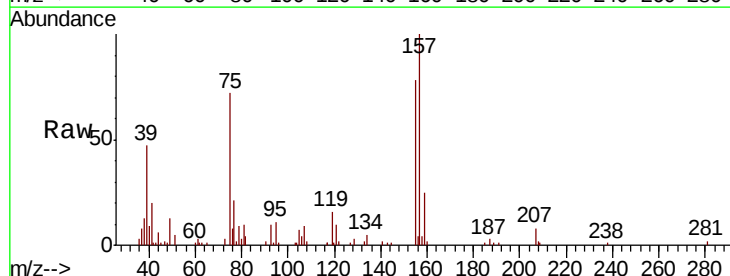
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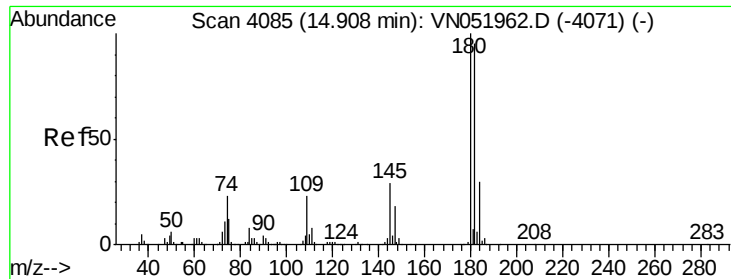
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.315 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052003.D
 Acq: 25 Oct 2018 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.3	56.0	167.9
157	144.1	73.9	221.6





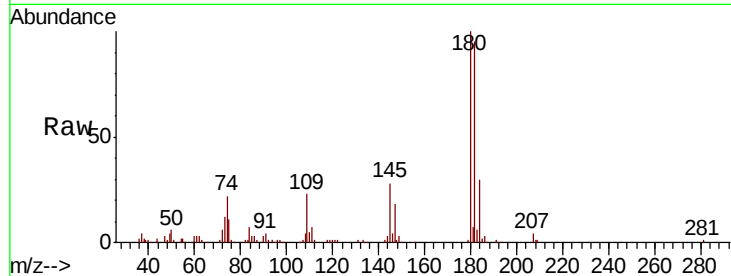
#93
 1,2,4-Trichlorobenzene
 Concen: 11.558 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052003.D
 Acq: 25 Oct 2018 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	163790		
182	95.1	47.8	143.4	
145	27.9	14.5	43.5	

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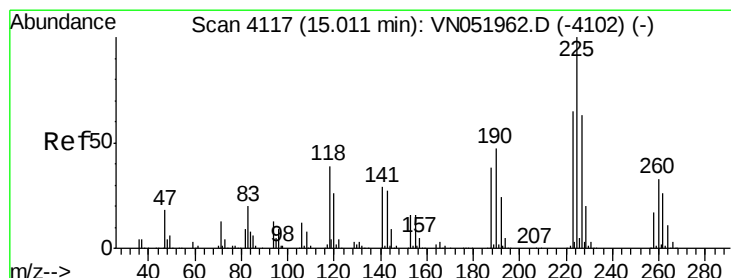
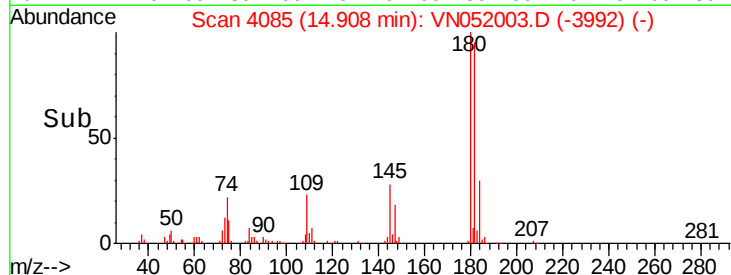
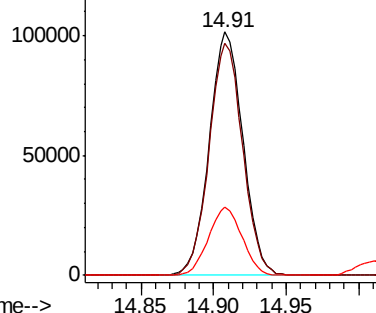


Abundance

Ion 179.80 (179.50 to 180.50): V

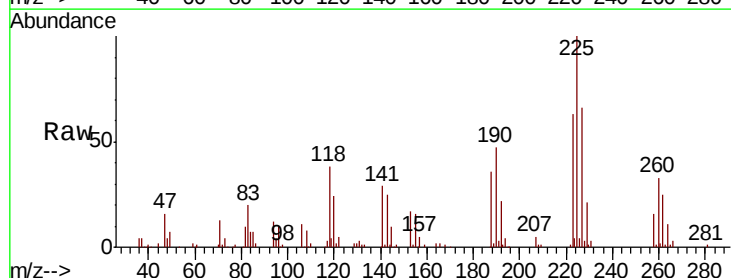
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 14.090 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052003.D
 Acq: 25 Oct 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102598		
223	64.3	31.8	95.4	
227	64.3	31.4	94.2	

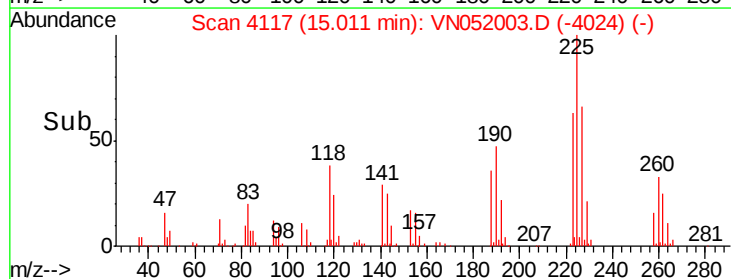
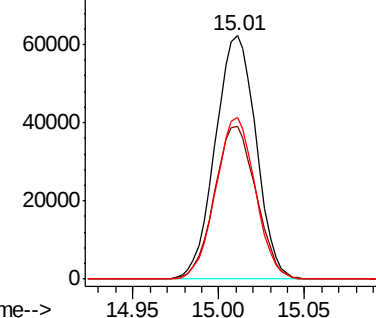


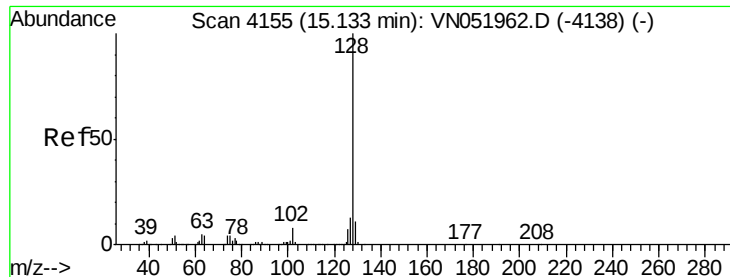
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





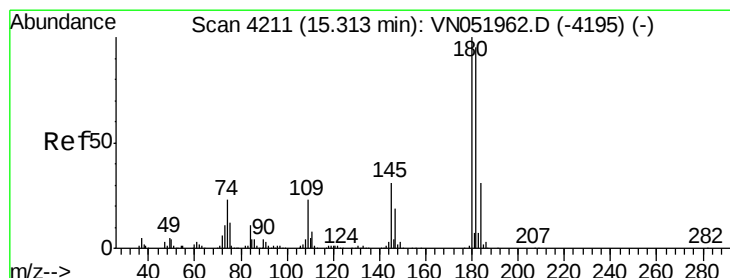
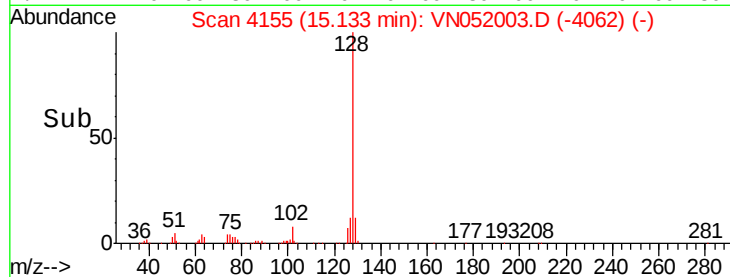
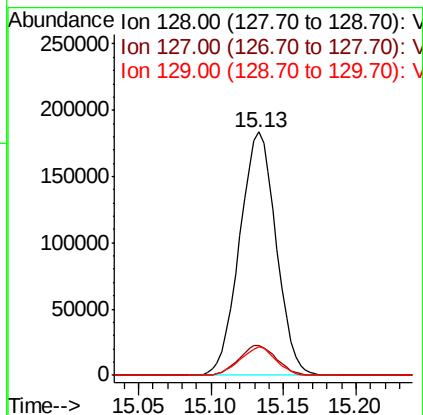
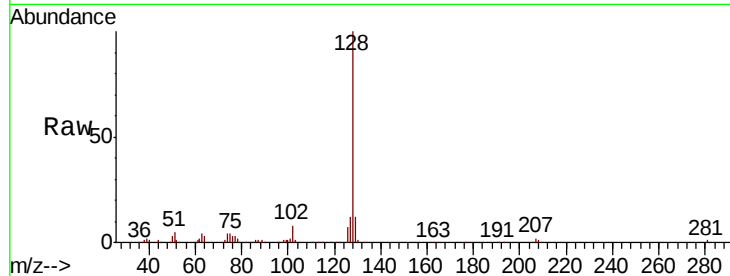
#95
Naphthalene
Concen: 10.442 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	321355		
127	12.7		10.3	15.5
129	11.4		8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 9.949 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052003.D
Acq: 25 Oct 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	134768		
182	93.7		47.9	143.6
145	30.4		15.4	46.2

