

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052312.D
 Acq On : 14 Nov 2018 14:55
 Operator : MD\SY
 Sample : VN1114WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBS01

Manual Integrations
 APPROVED

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 11/20/2018 2:53:45 PM

Quant Time: Nov 15 03:36:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	284123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	476159	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	424159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	184420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	188585	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
35) Dibromofluoromethane	7.59	113	148404	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
50) Toluene-d8	10.09	98	580503	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.40	95	186274	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	61539	20.440	ug/l	97
3) Chloromethane	2.06	50	81770	19.543	ug/l	98
4) Vinyl Chloride	2.19	62	70919	19.609	ug/l	97
5) Bromomethane	2.57	94	42881	19.018	ug/l	93
6) Chloroethane	2.71	64	38290	18.725	ug/l	99
7) Trichlorofluoromethane	3.02	101	99966	19.974	ug/l	96
8) Diethyl Ether	3.41	74	35733	18.733	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	62981	19.927	ug/l	98
10) Methyl Iodide	3.96	142	75421	17.773	ug/l	100
11) Tert butyl alcohol	4.78	59	20067	94.690	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	54743	18.717	ug/l	92
13) Acrolein	3.61	56	29894	107.148	ug/l	98
14) Allyl chloride	4.33	41	109986	18.314	ug/l	98
15) Acrylonitrile	4.99	53	116953	96.646	ug/l	98
16) Acetone	3.82	43	106944	96.792	ug/l	100
17) Carbon Disulfide	4.06	76	158251	18.869	ug/l	97
18) Methyl Acetate	4.33	43	58839	19.272	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	160609	19.109	ug/l	99
20) Methylene Chloride	4.56	84	70616	20.596	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	58152	18.467	ug/l	95
22) Diisopropyl ether	5.95	45	236489	19.299	ug/l	99
23) Vinyl Acetate	5.90	43	811920	97.676	ug/l	100
24) 1,1-Dichloroethane	5.85	63	121578	18.503	ug/l	99
25) 2-Butanone	6.84	43	152694	98.183	ug/l	99
26) 2,2-Dichloropropane	6.83	77	90516	18.735	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	68166	18.595	ug/l	97
28) Bromochloromethane	7.19	49	63358	18.754	ug/l	98
29) Tetrahydrofuran	7.21	42	96189	94.150	ug/l	99
30) Chloroform	7.37	83	117206	18.718	ug/l	93
31) Cyclohexane	7.65	56	124126	19.704	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	97611	18.299	ug/l	98
36) 1,1-Dichloropropene	7.79	75	91429	19.157	ug/l	98
37) Ethyl Acetate	6.93	43	66083	19.079	ug/l #	97
38) Carbon Tetrachloride	7.77	117	86357	19.695	ug/l	98

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Manual Integrations
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Quant Time: Nov 15 03:36:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	110840	20.344	ug/l	99
40) Benzene	8.04	78	264307	19.386	ug/l	99
41) Methacrylonitrile	7.17	41	33460	19.804	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	93787	19.290	ug/l	98
43) Isopropyl Acetate	8.16	43	121261	18.143	ug/l	97
44) Trichloroethene	8.84	130	67213	20.013	ug/l	95
45) 1,2-Dichloropropane	9.12	63	74221	19.182	ug/l	99
46) Dibromomethane	9.21	93	43015	19.204	ug/l	98
47) Bromodichloromethane	9.40	83	86124	18.737	ug/l	99
48) Methyl methacrylate	9.20	41	64087	18.897	ug/l	97
49) 1,4-Dioxane	9.20	88	11116	426.977	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	331655	98.579	ug/l	99
52) Toluene	10.16	92	161404	19.789	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	87285	18.828	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	102458	19.387	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	56449	19.092	ug/l	98
56) Ethyl methacrylate	10.43	69	76343	19.633	ug/l	98
57) 1,3-Dichloropropane	10.71	76	103947	19.848	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	218245	98.584	ug/l	100
59) 2-Hexanone	10.75	43	225121	97.282	ug/l	99
60) Dibromochloromethane	10.90	129	59211	18.509	ug/l	97
61) 1,2-Dibromoethane	11.00	107	56645	19.233	ug/l	98
64) Tetrachloroethene	10.63	164	57469	19.058	ug/l	97
65) Chlorobenzene	11.43	112	171050	19.078	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	60034	19.636	ug/l	99
67) Ethyl Benzene	11.51	91	307154	19.739	ug/l	99
68) m/p-Xylenes	11.62	106	228130	40.124	ug/l	99
69) o-Xylene	11.95	106	109442	20.081	ug/l	99
70) Styrene	11.96	104	172594	19.778	ug/l	98
71) Bromoform	12.12	173	32954	18.256	ug/l #	98
73) Isopropylbenzene	12.25	105	295956	19.960	ug/l	99
74) N-amyl acetate	12.07	43	101420	19.204	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	68127	19.007	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	61291m	19.586	ug/l	
77) Bromobenzene	12.52	156	67715	19.628	ug/l	98
78) n-propylbenzene	12.59	91	347996	20.068	ug/l	99
79) 2-Chlorotoluene	12.67	91	202995	20.039	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	241913	20.516	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	17138	17.763	ug/l	91
82) 4-Chlorotoluene	12.77	91	200076	19.278	ug/l	100
83) tert-Butylbenzene	12.99	119	208971	20.074	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	236952	20.018	ug/l	98
85) sec-Butylbenzene	13.17	105	289834	20.439	ug/l	99
86) p-Isopropyltoluene	13.29	119	242203	20.163	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	119389	19.485	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	119008	19.537	ug/l	99
89) n-Butylbenzene	13.61	91	213182	20.664	ug/l	99
90) Hexachloroethane	13.87	117	39530	18.580	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	113996	19.204	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10089	19.088	ug/l	92

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Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	50484	19.710	ug/l	97
94) Hexachlorobutadiene	15.01	225	28115	20.693	ug/l	98
95) Naphthalene	15.13	128	113349	19.063	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	45206	20.041	ug/l	99

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

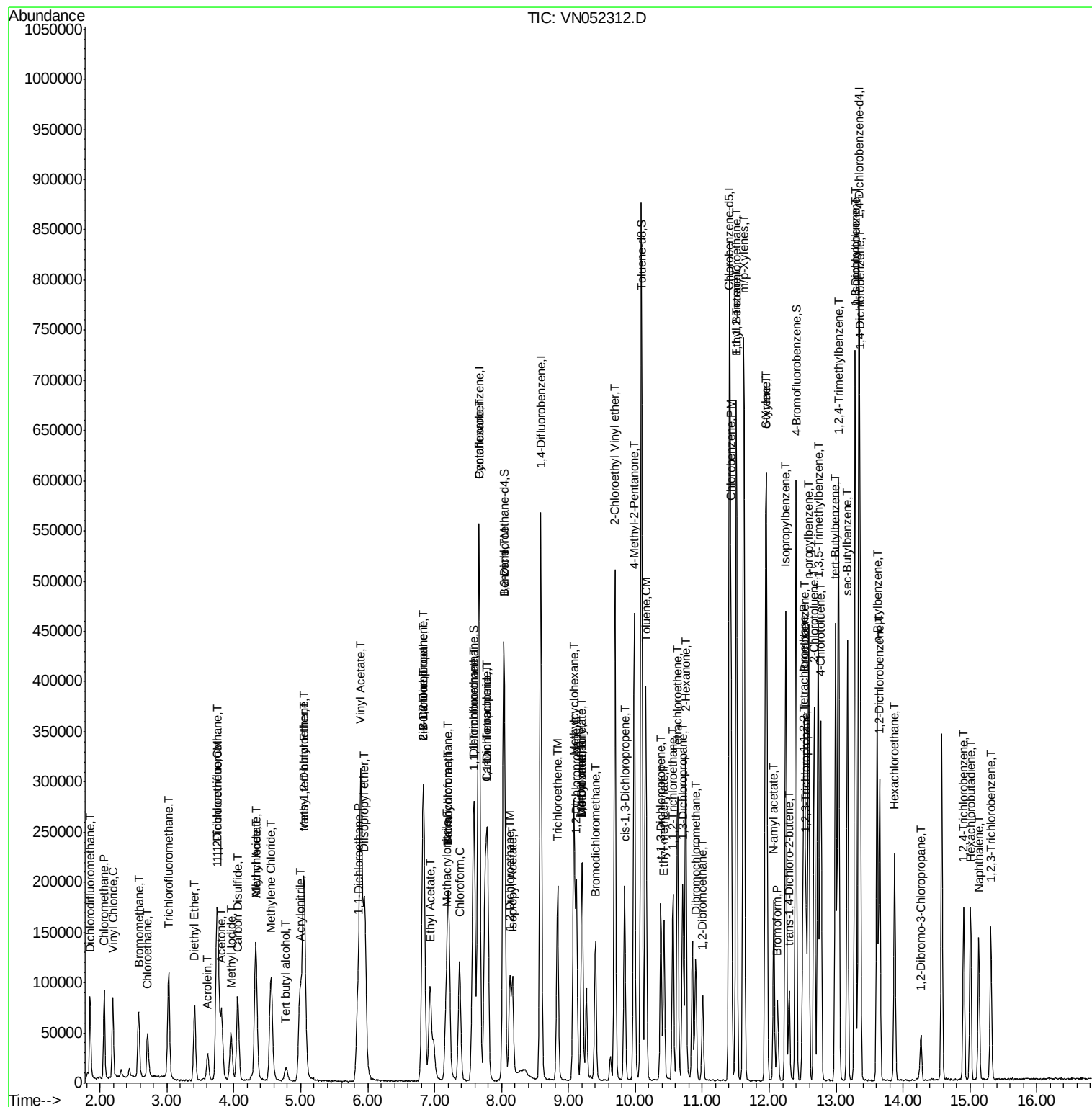
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Sample : VN1114WBS01
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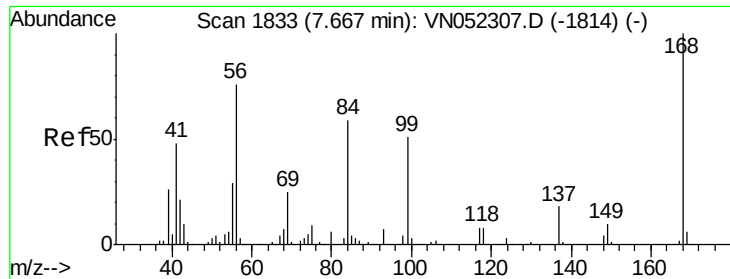
Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052312.D

Acq: 14 Nov 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBS01

Tot Ion:168 Resp: 284123

Ion Ratio Lower Upper

168 100

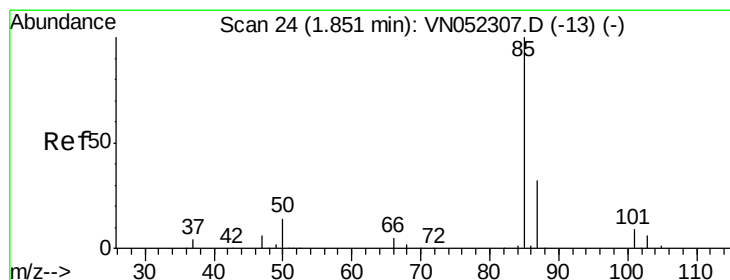
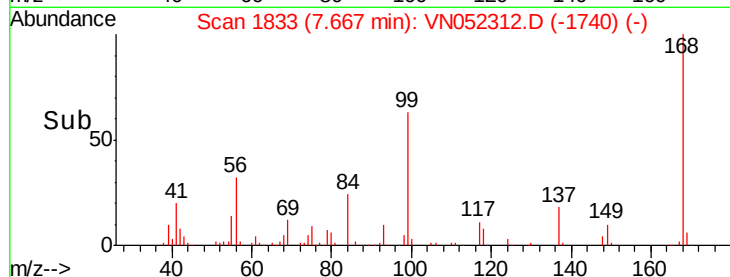
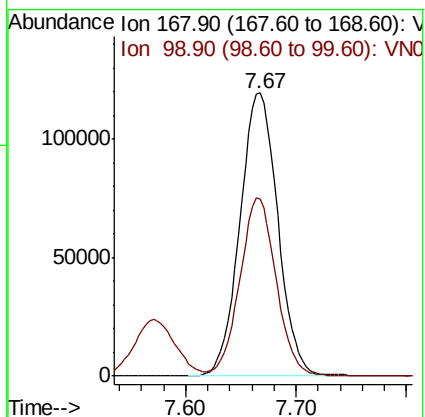
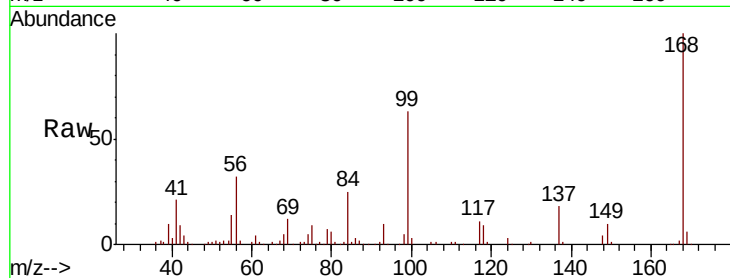
99 62.5 47.9 71.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.440 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052312.D

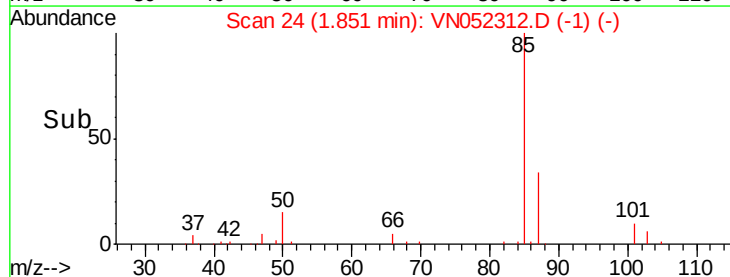
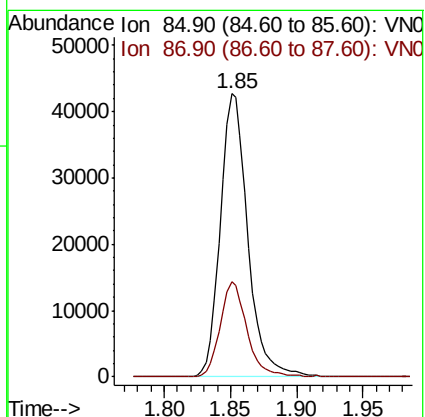
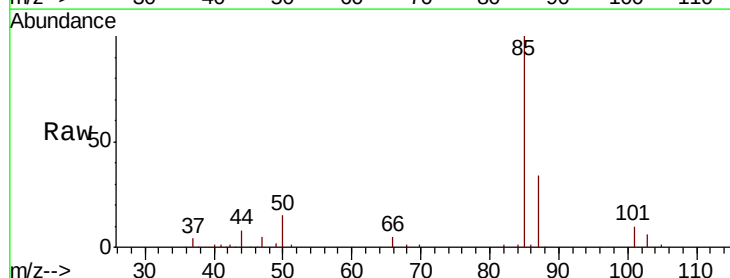
Acq: 14 Nov 2018 14:55

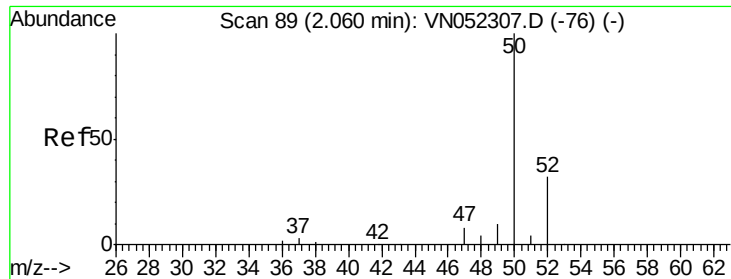
Tgt Ion: 85 Resp: 61539

Ion Ratio Lower Upper

85 100

87 33.5 15.9 47.6





#3

Chloromethane

Concen: 19.543 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052312.D

Acq: 14 Nov 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBS01

Tot Ion: 50 Resp: 81770

Ion Ratio Lower Upper

50 100

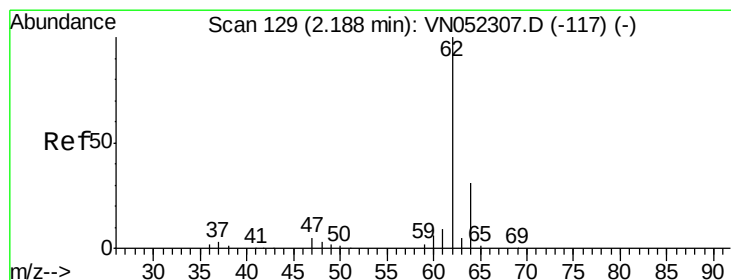
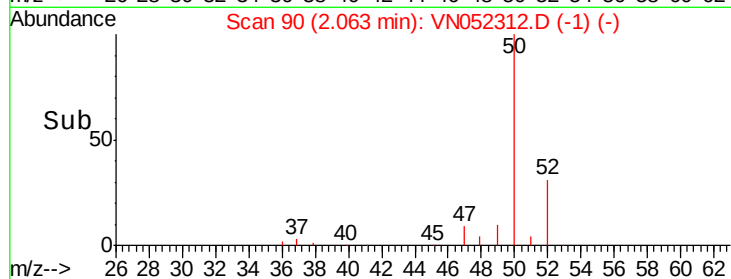
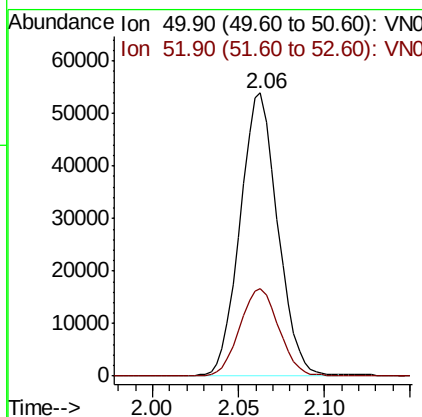
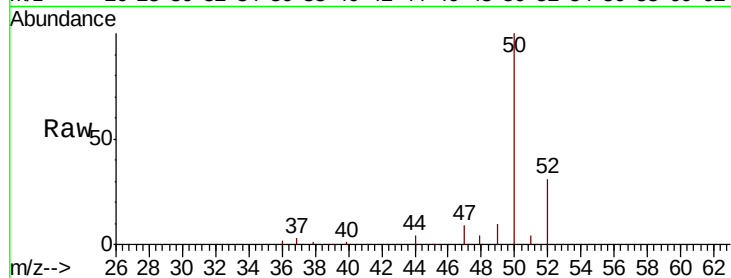
52 31.0 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.609 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052312.D

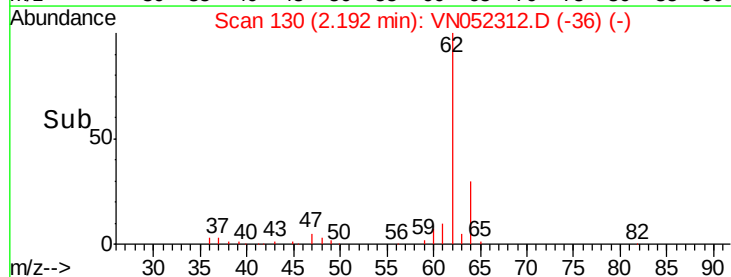
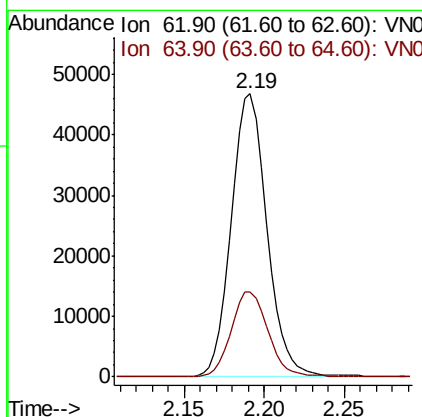
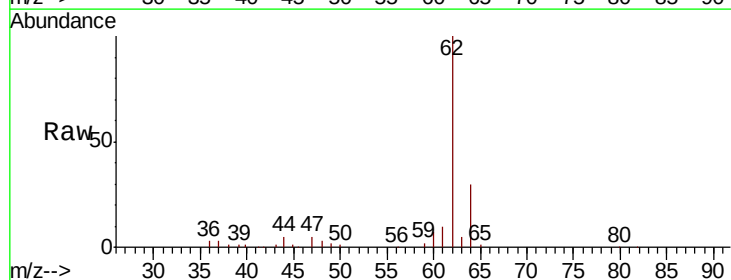
Acq: 14 Nov 2018 14:55

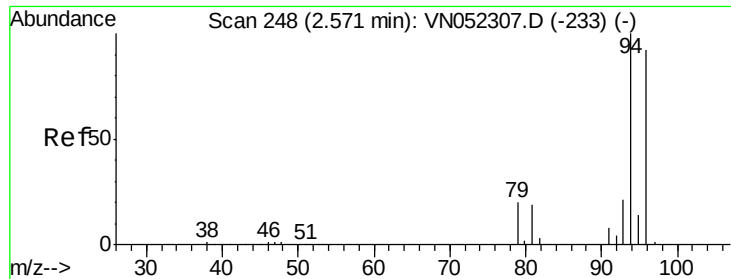
Tgt Ion: 62 Resp: 70919

Ion Ratio Lower Upper

62 100

64 30.0 25.2 37.8





#5

Bromomethane

Concen: 19.018 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052312.D

Acq: 14 Nov 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBS01

Tot Ion: 94 Resp: 42881

Ion Ratio Lower Upper

94 100

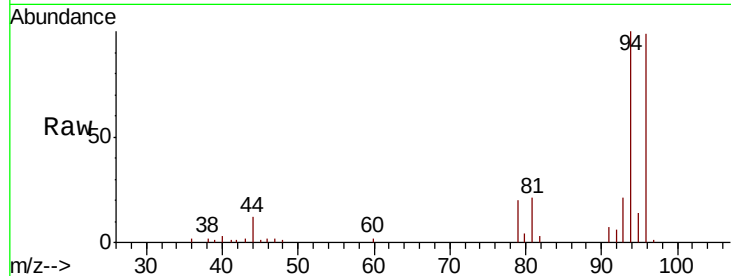
96 99.1 73.6 110.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

10000

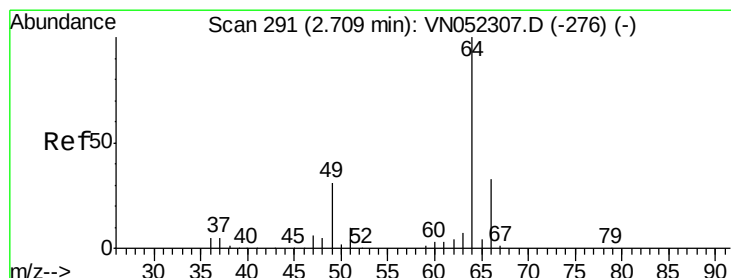
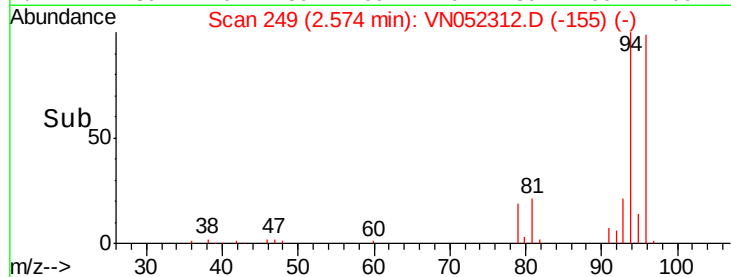
5000

0

Time-->

2.50 2.55 2.60 2.65

2.57



#6

Chloroethane

Concen: 18.725 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052312.D

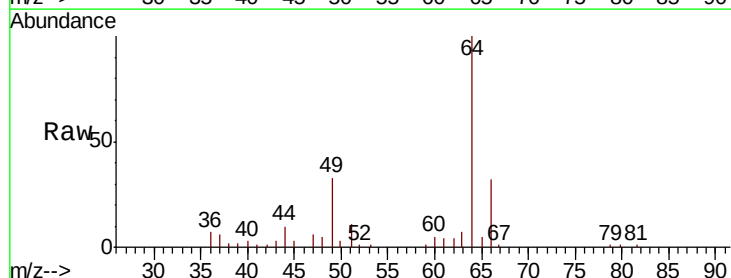
Acq: 14 Nov 2018 14:55

Tgt Ion: 64 Resp: 38290

Ion Ratio Lower Upper

64 100

66 31.9 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

20000

15000

10000

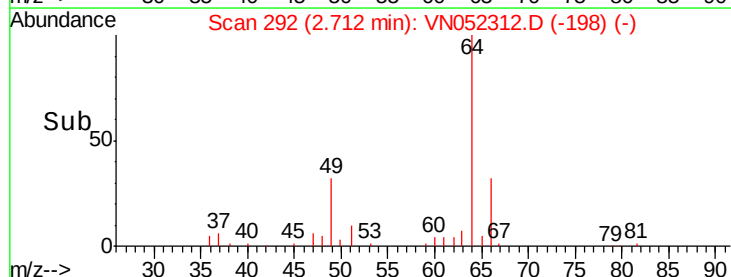
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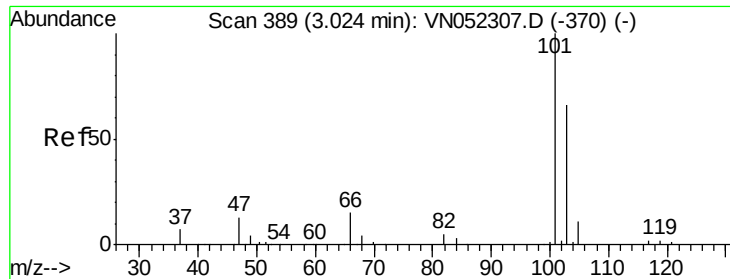
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Time-->

2.65 2.70 2.75 2.80

2.71





#7

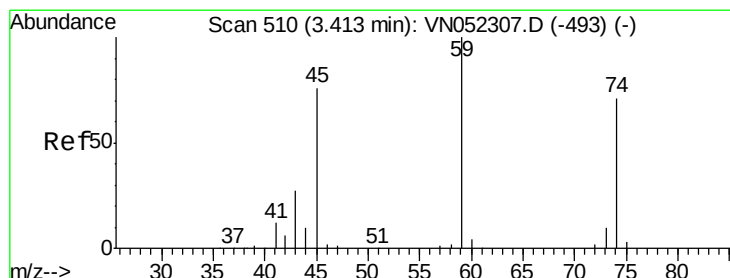
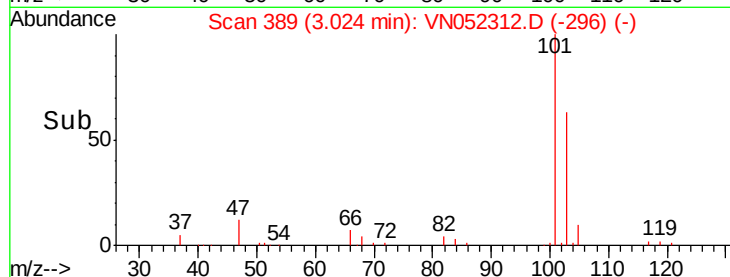
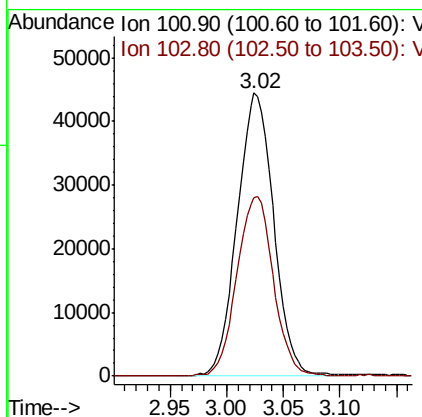
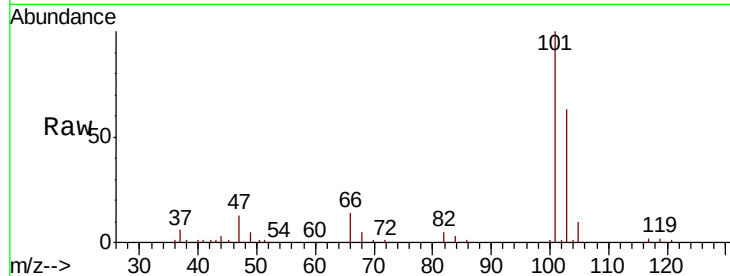
Trichlorofluoromethane
Concen: 19.974 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.8	79.2

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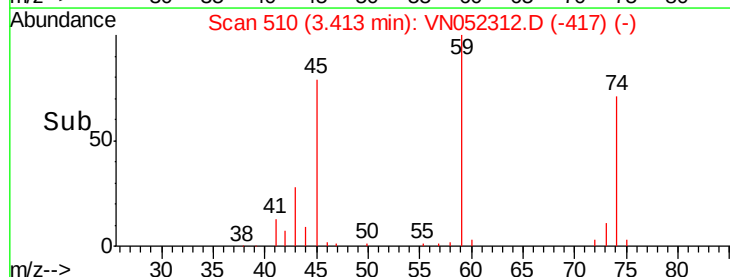
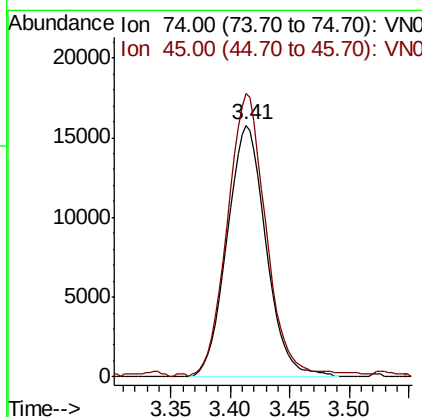
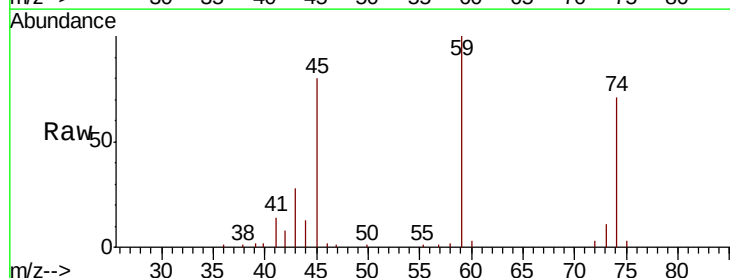
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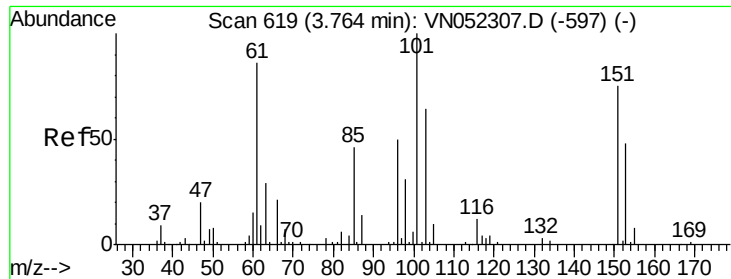


#8

Diethyl Ether
Concen: 18.733 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.4	54.3	162.9





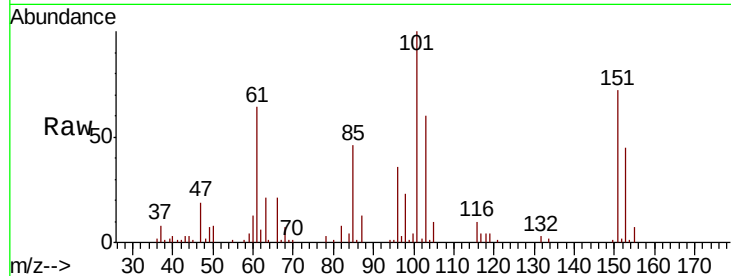
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.927 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.6	37.4	56.0
151	72.1	58.6	88.0

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 11/20/2018 2:53:45 PM

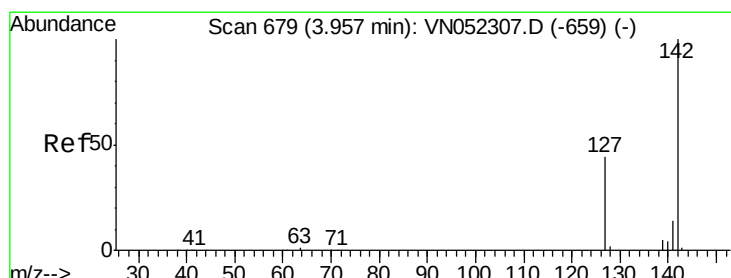
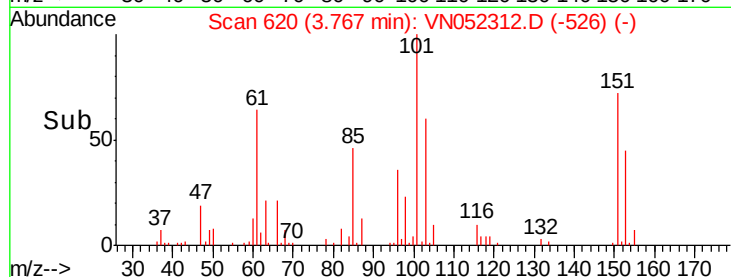
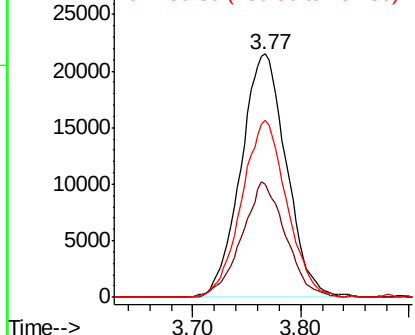


Abundance

Ion 100.90 (100.60 to 101.60): V

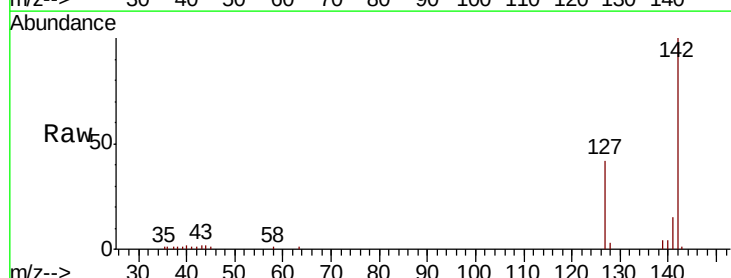
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 17.773 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.4	36.3	54.5
141	14.9	11.4	17.2

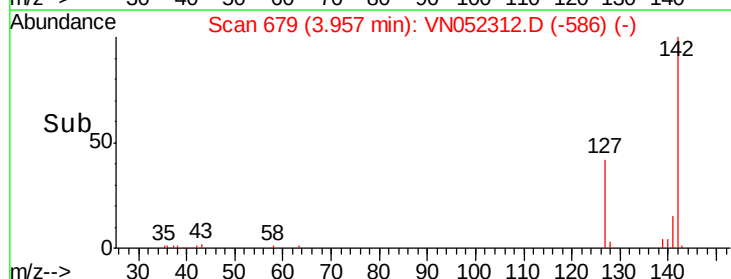
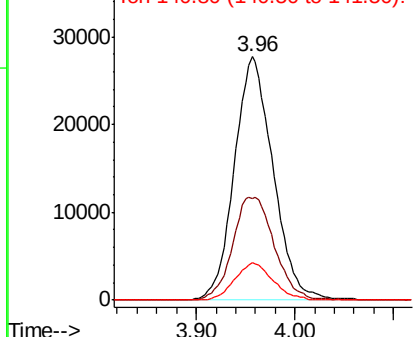


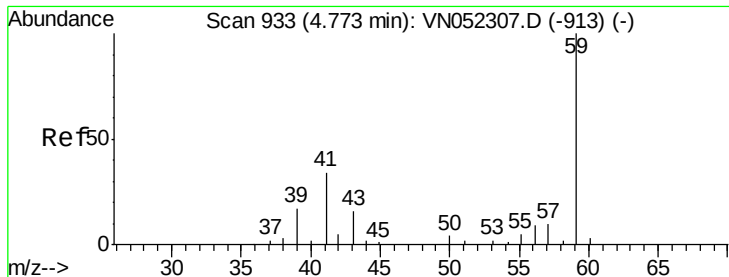
Abundance

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

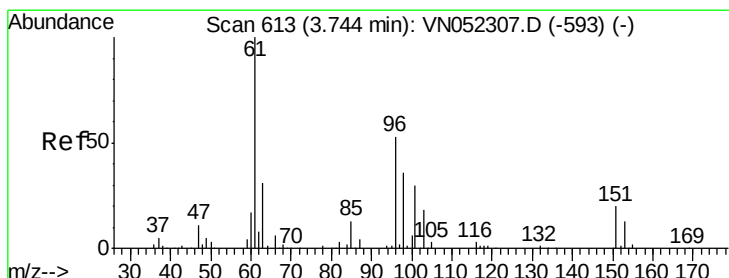
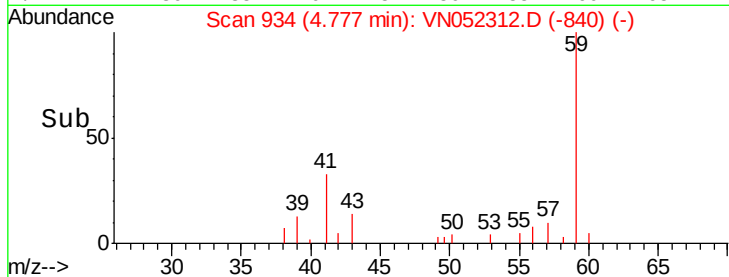
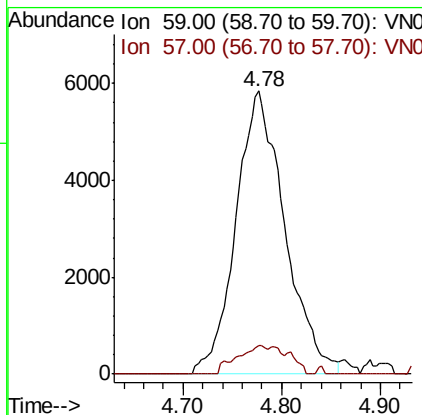
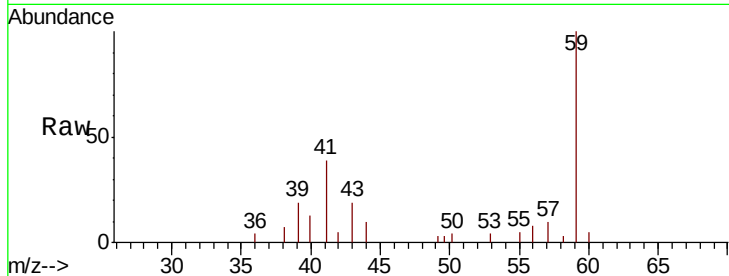
Tert butyl alcohol
 Concen: 94.690 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.3	8.5	12.7#

Manual Integrations
 APPROVED

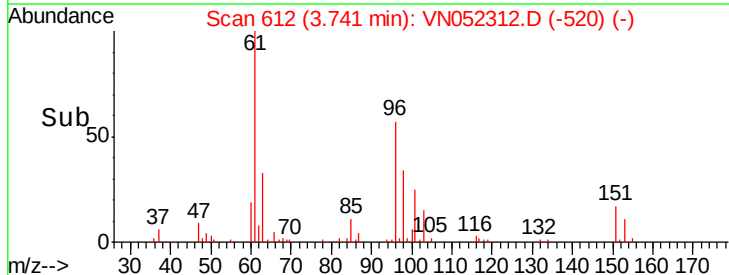
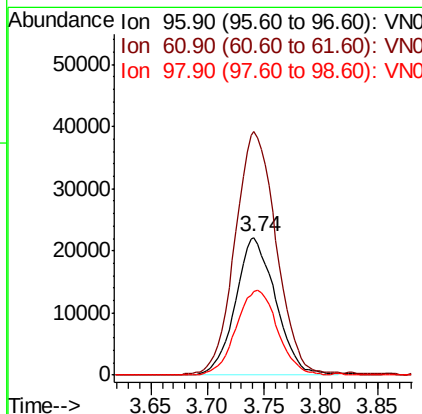
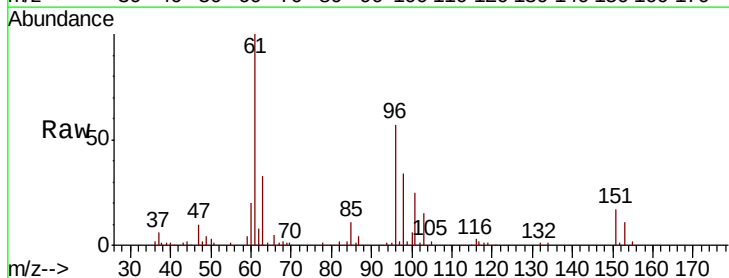
MMDadoda
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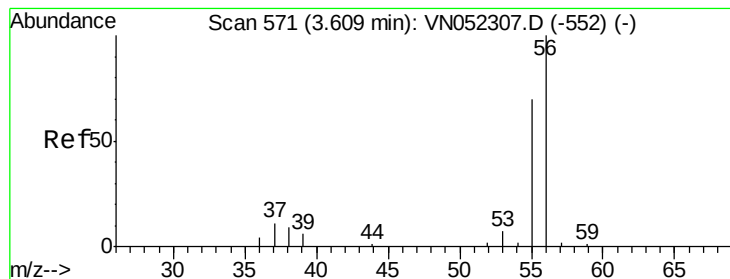


#12

1,1-Dichloroethene
 Concen: 18.717 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.9	149.6	224.4
98	60.5	54.2	81.2





#13

Acrolein

Concen: 107.148 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052312.D

Acq: 14 Nov 2018 14:55

Instrument :

MSVOA_N

ClientSampled :

VN1114WBS01

Tot Ion: 56 Resp: 29894

Ion Ratio Lower Upper

56 100

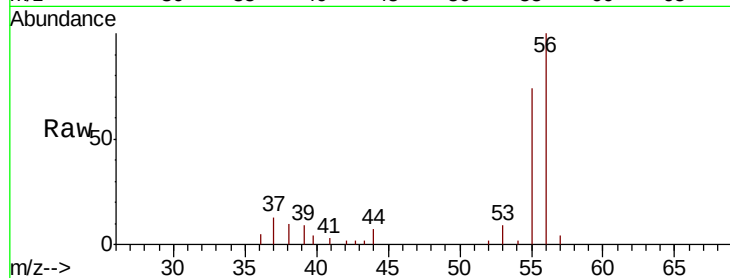
55 74.0 57.6 86.4

Manual Integrations

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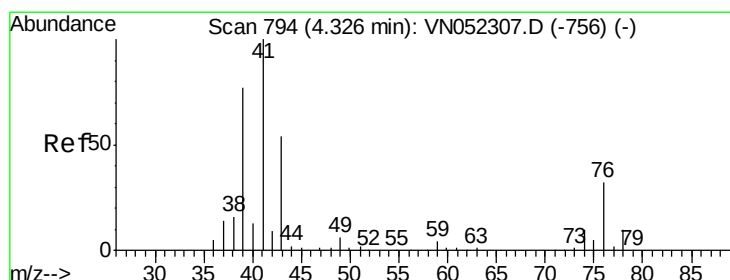
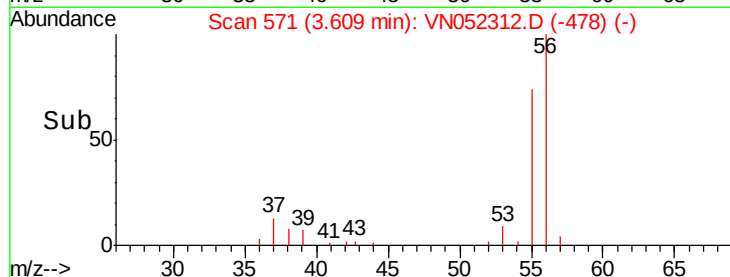
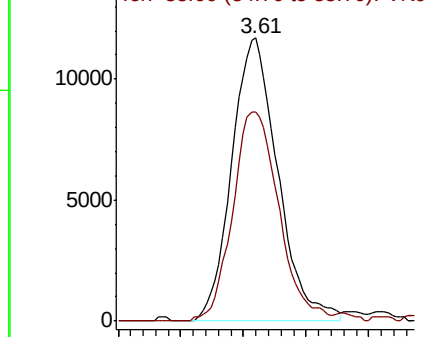
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.314 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052312.D

Acq: 14 Nov 2018 14:55

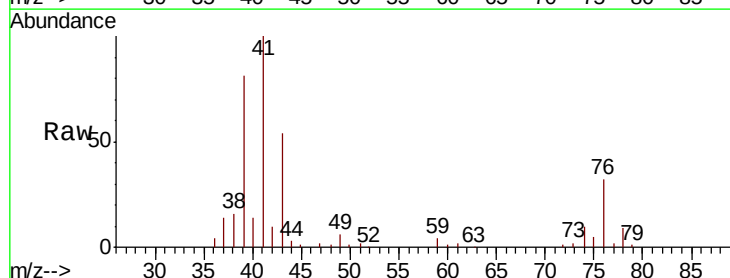
Tgt Ion: 41 Resp: 109986

Ion Ratio Lower Upper

41 100

39 75.7 59.1 88.7

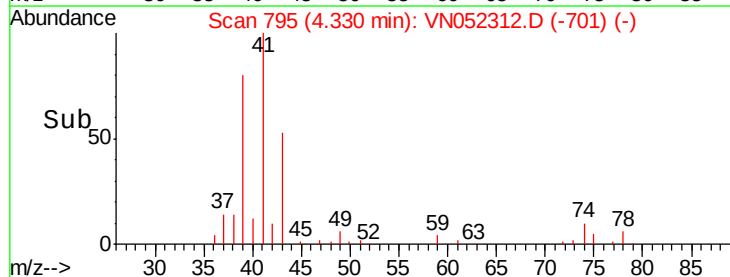
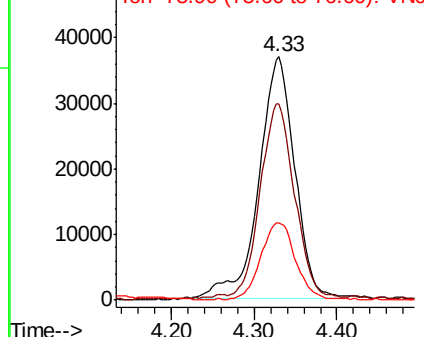
76 31.6 24.1 36.1

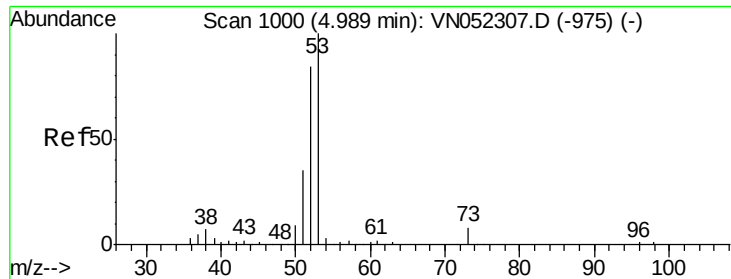


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 96.646 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052312.D

Acq: 14 Nov 2018 14:55

Instrument :

MSVOA_N

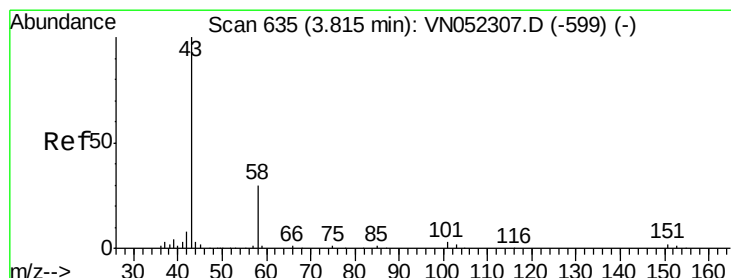
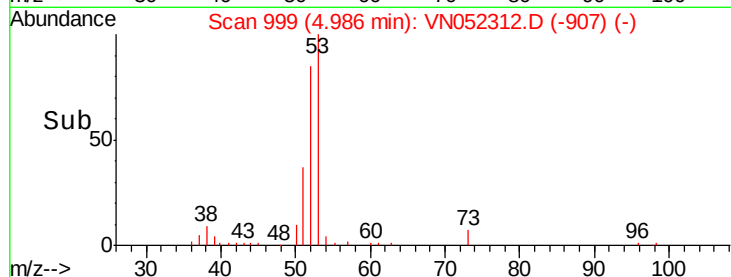
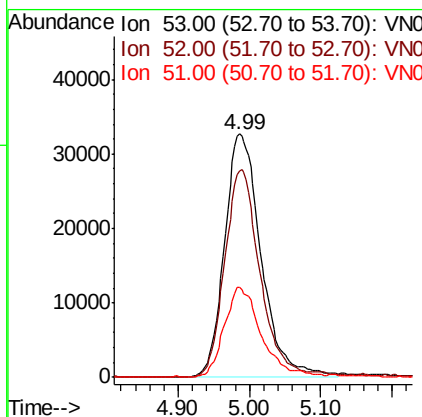
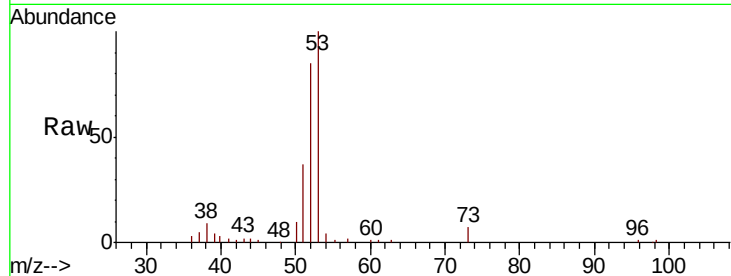
ClientSampleId :

VN1114WBS01

Tot Ion:	53	Resp:	116953
Ion	Ratio	Lower	Upper
53	100		
52	82.2	67.5	101.3
51	36.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 96.792 ug/l

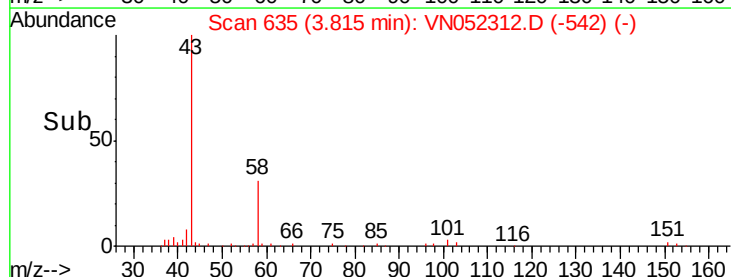
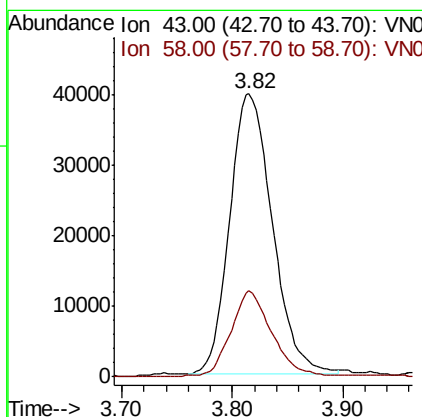
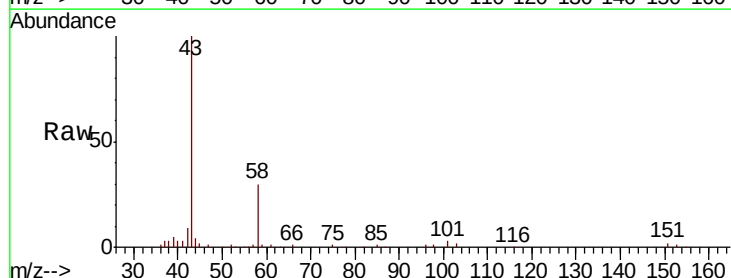
RT: 3.82 min Scan# 635

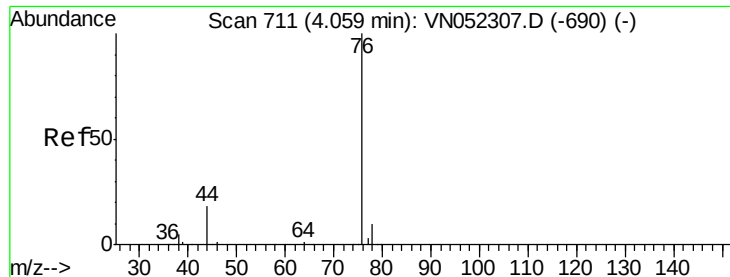
Delta R.T. 0.00 min

Lab File: VN052312.D

Acq: 14 Nov 2018 14:55

Tgt Ion:	43	Resp:	106944
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.2	36.4





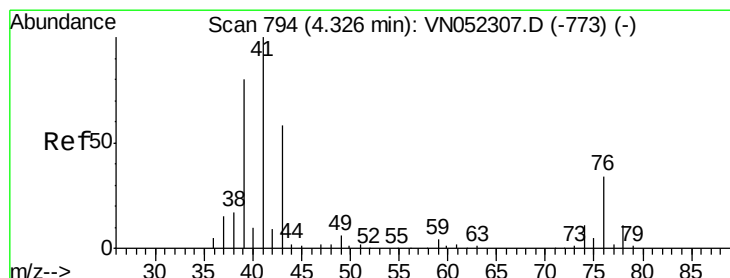
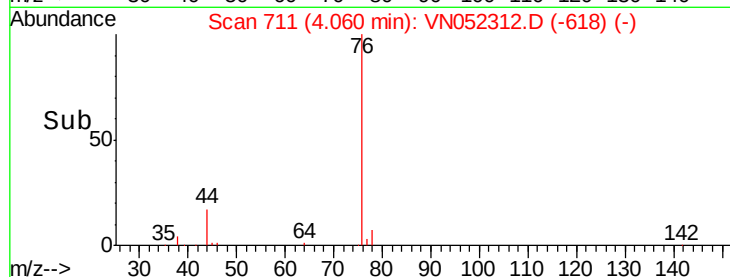
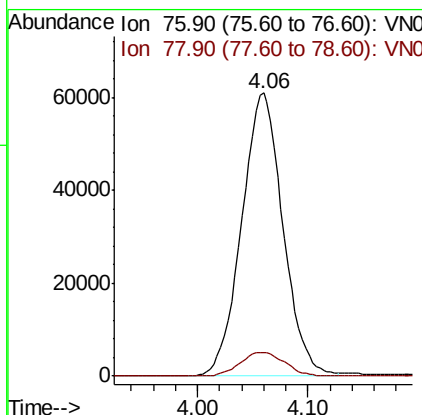
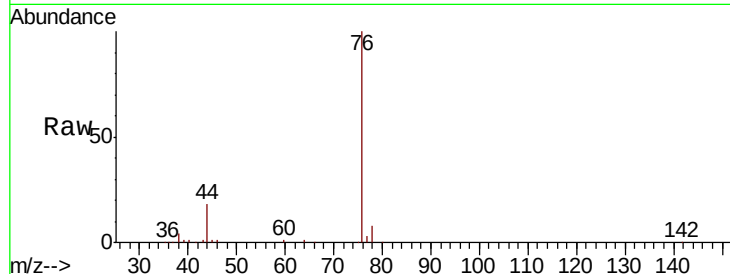
#17
Carbon Disulfide
Concen: 18.869 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.7	11.5

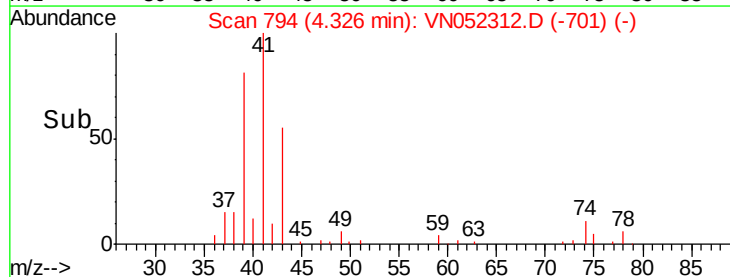
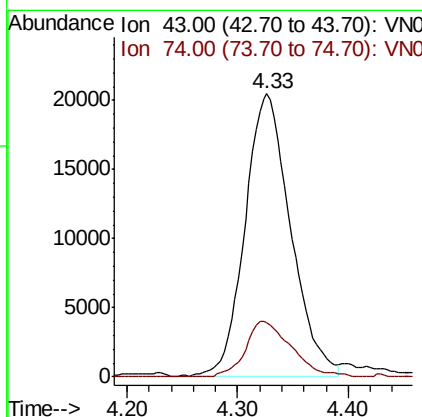
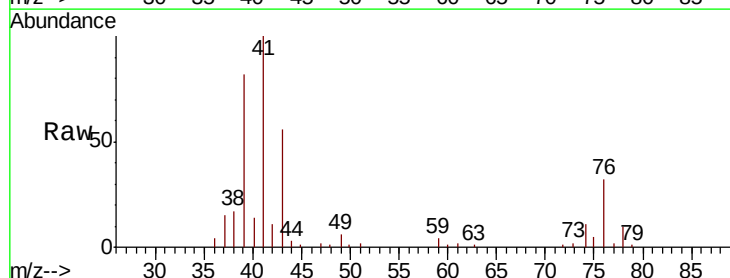
Manual Integrations
APPROVED

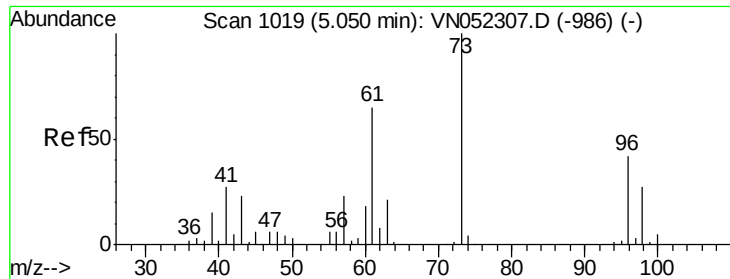
MMDadoda
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#18
Methyl Acetate
Concen: 19.272 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	15.9	23.9





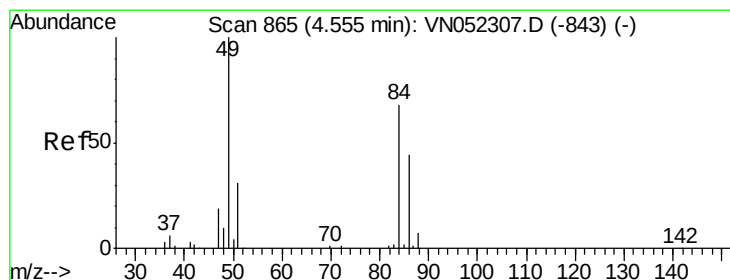
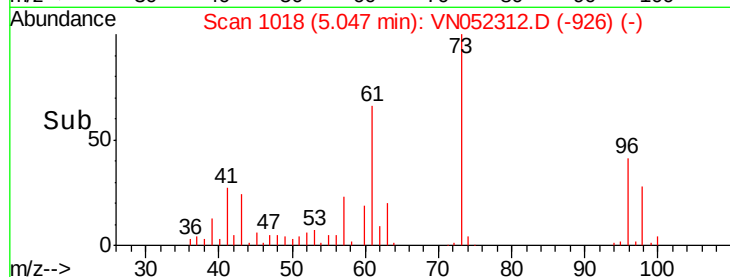
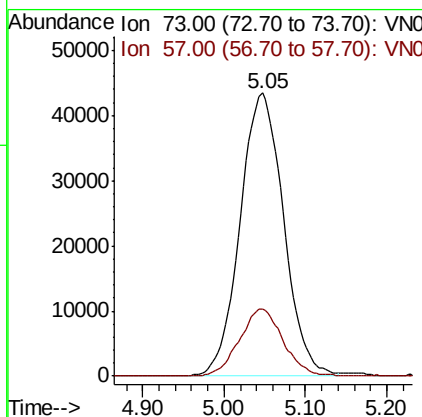
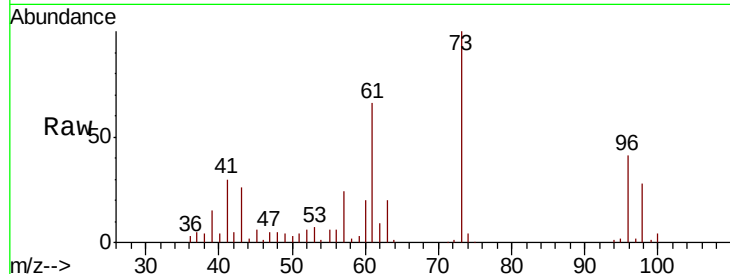
#19
Methyl tert-butyl Ether
Concen: 19.109 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

Tot Ion: 73 Resp: 160609
Ion Ratio Lower Upper
73 100
57 23.8 18.7 28.1

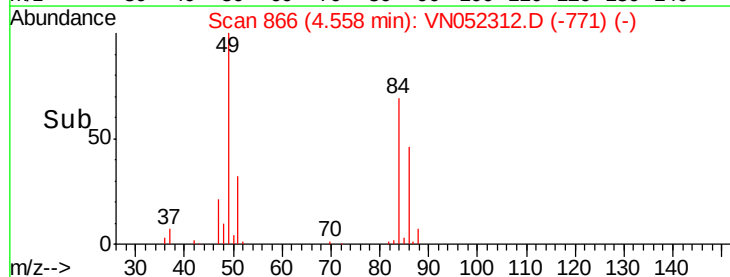
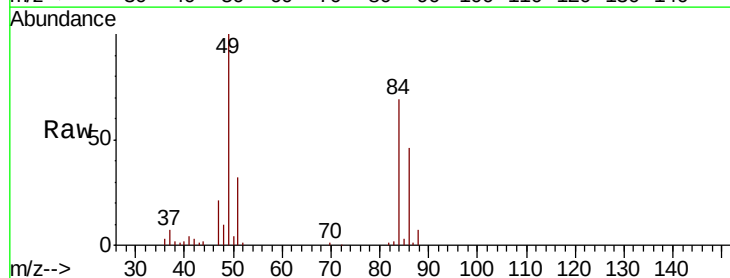
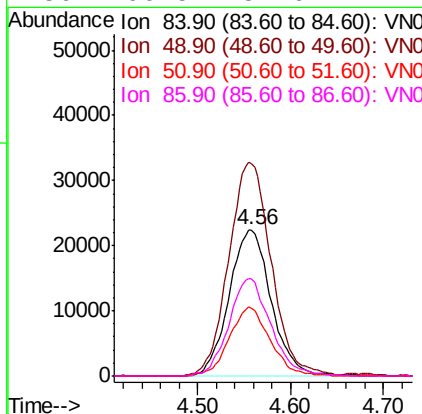
Manual Integrations
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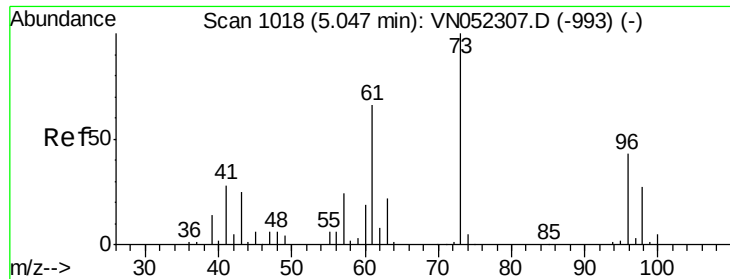
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11/20/2018 2:53:45 PM



#20
Methylene Chloride
Concen: 20.596 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Tgt Ion: 84 Resp: 70616
Ion Ratio Lower Upper
84 100
49 144.3 118.2 177.2
51 46.7 36.1 54.1
86 66.5 51.6 77.4





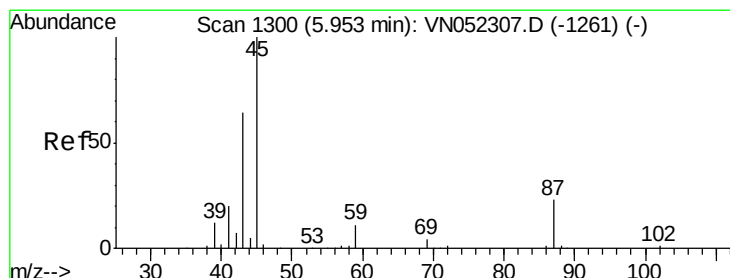
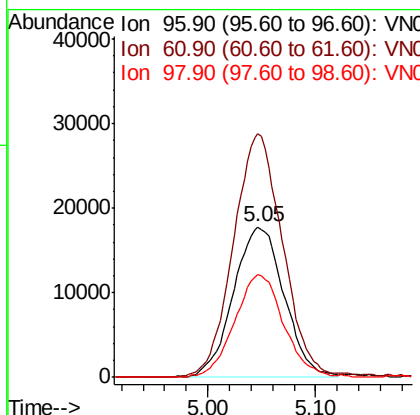
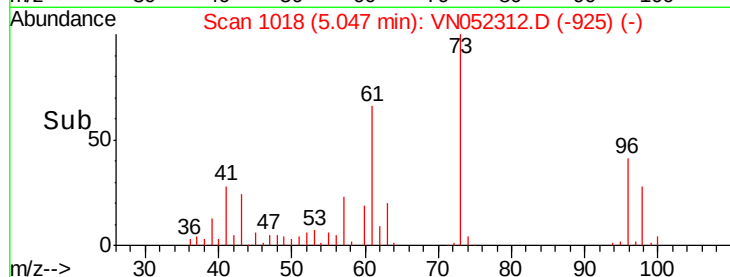
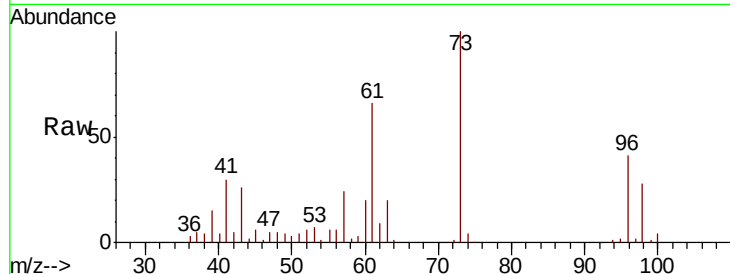
#21
trans-1,2-Dichloroethene
Concen: 18.467 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.5	123.6	185.4
98	68.5	50.7	76.1

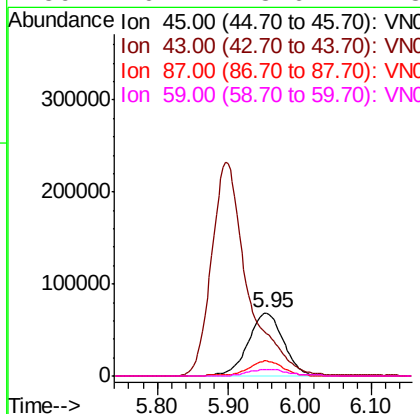
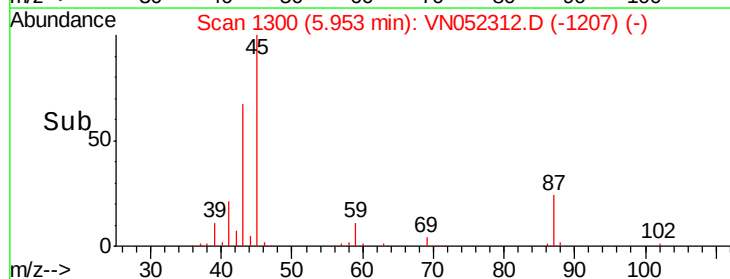
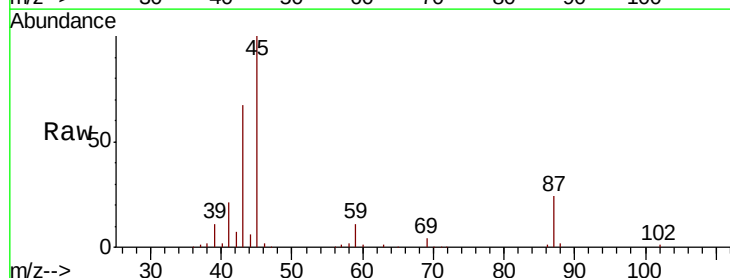
Manual Integrations
APPROVED

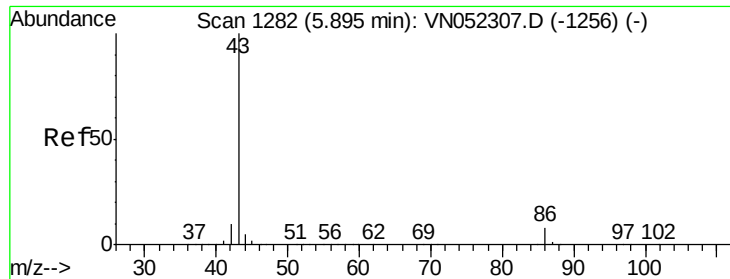
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11/20/2018 2:53:45 PM



#22
Diisopropyl ether
Concen: 19.299 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.5	51.4	77.2
87	23.6	18.8	28.2
59	10.7	8.6	12.8





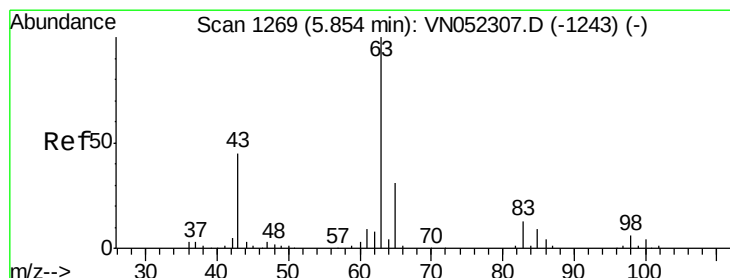
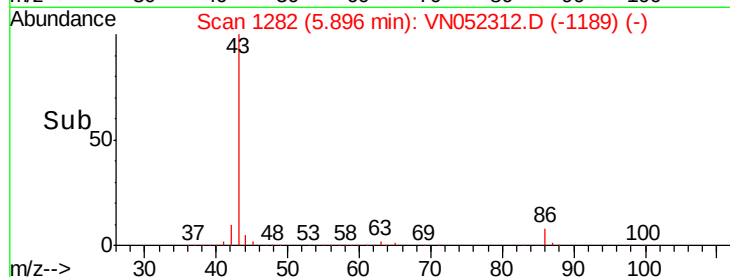
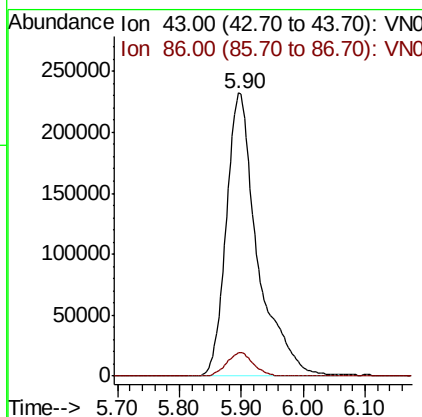
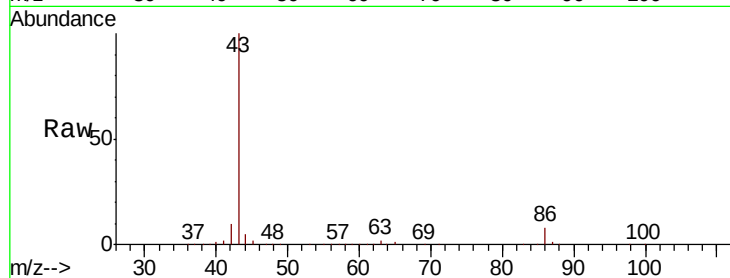
#23
 Vinyl Acetate
 Concen: 97.676 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBS01

Tot Ion	43	86	Resp	Lower	Upper
811920	100	8.2		6.5	9.7

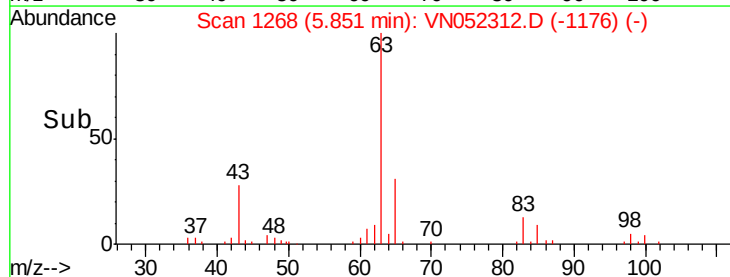
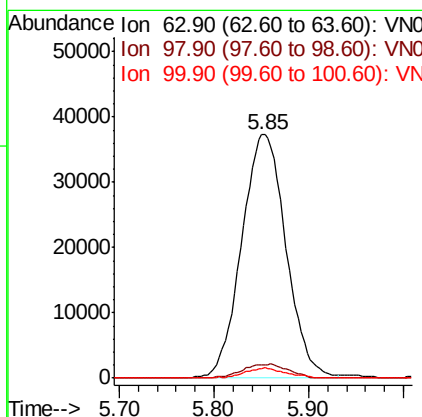
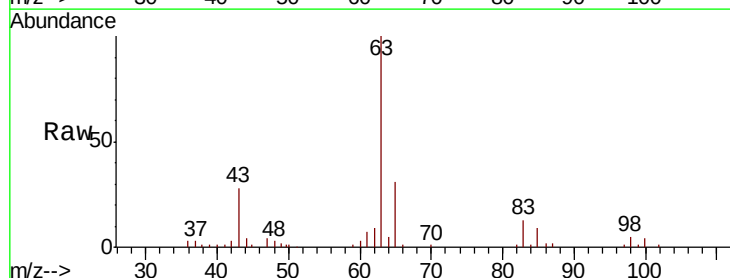
Manual Integrations
 APPROVED

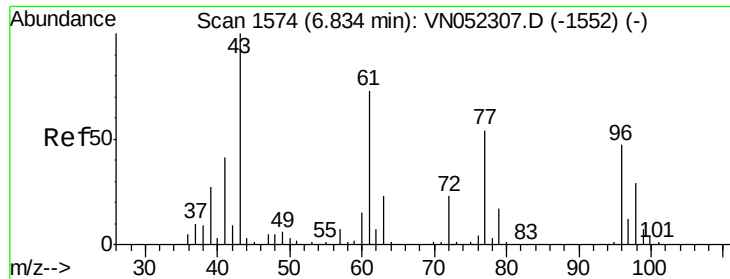
MMDadoda
 11/20/2018 2:53:45 PM



#24
 1,1-Dichloroethane
 Concen: 18.503 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Tgt Ion	63	98	100	Resp	Lower	Upper
121578	100	5.5	4.0		2.9	8.6
					1.9	5.7





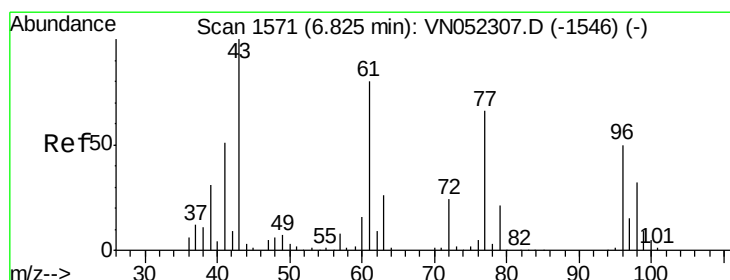
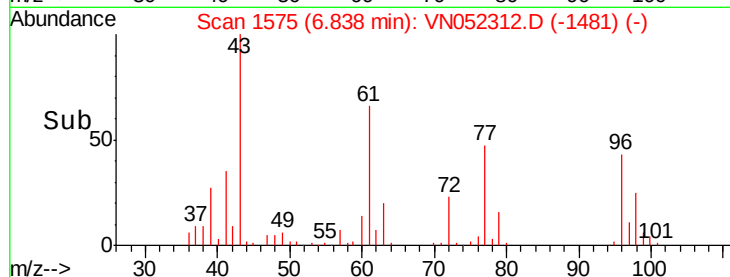
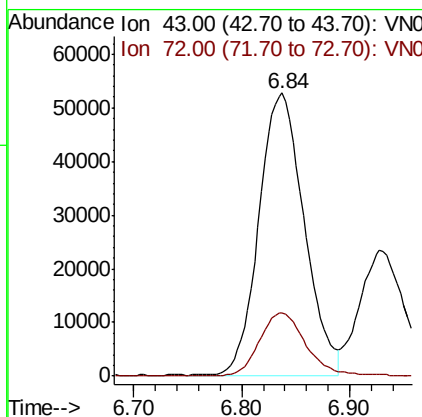
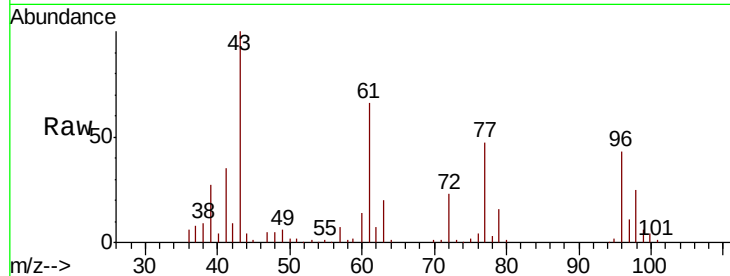
#25
2-Butanone
Concen: 98.183 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

Tot Ion: 43 Resp: 152694
Ion Ratio Lower Upper
43 100
72 22.6 18.6 27.8

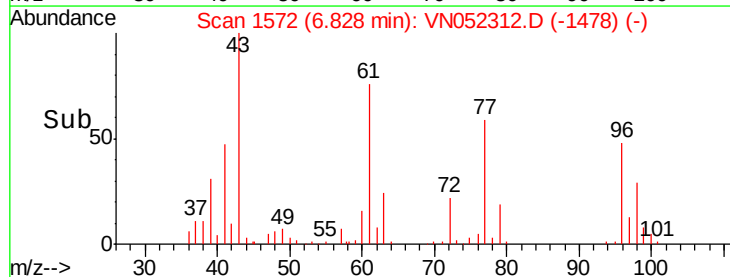
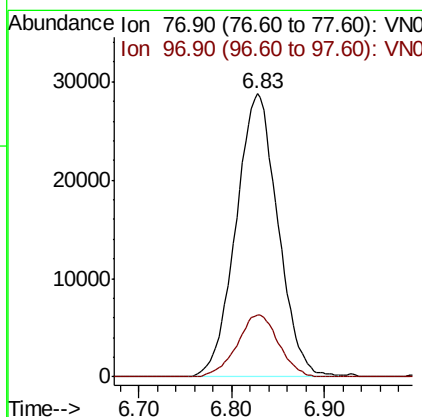
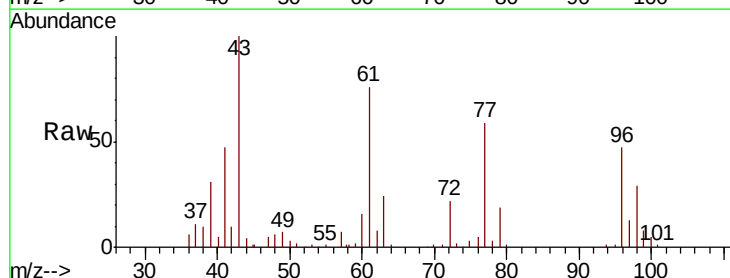
Manual Integrations
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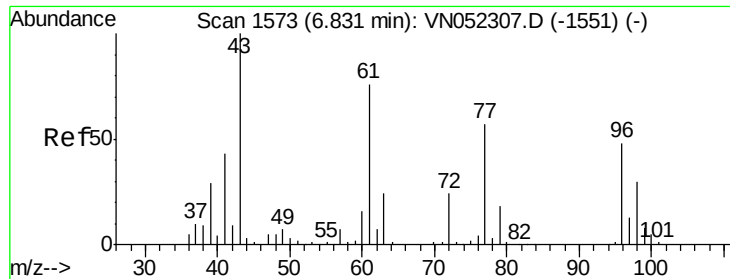
MMDadoda
11/20/2018 2:53:45 PM



#26
2,2-Dichloropropane
Concen: 18.735 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Tgt Ion: 77 Resp: 90516
Ion Ratio Lower Upper
77 100
97 21.6 11.1 33.1





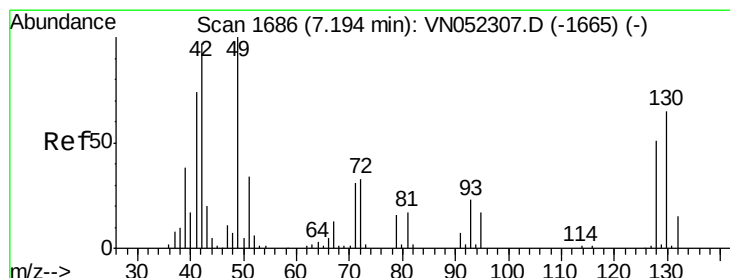
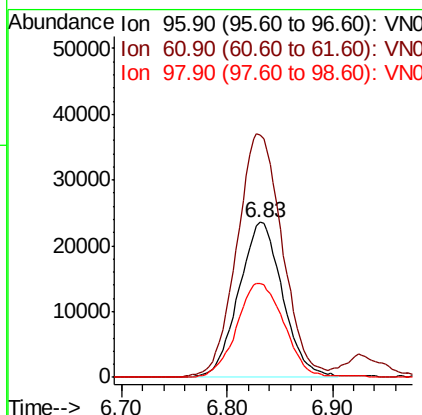
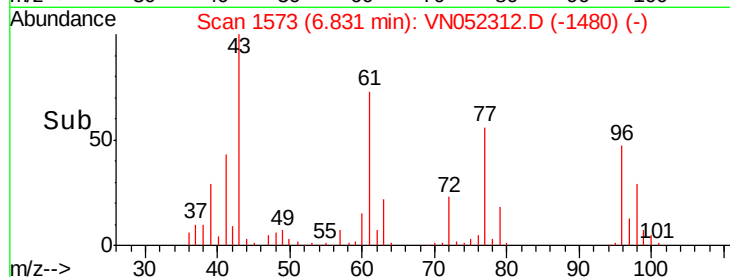
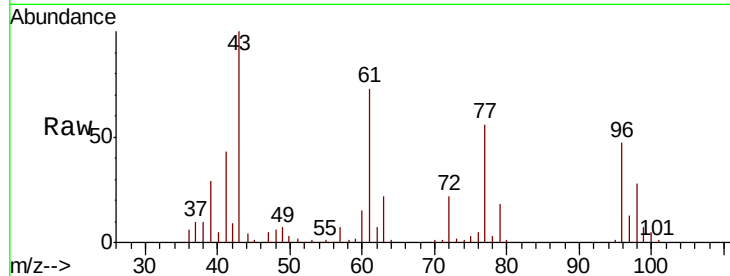
#27
 cis-1,2-Dichloroethene
 Concen: 18.595 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.8	0.0	316.8
98	65.2	0.0	126.6

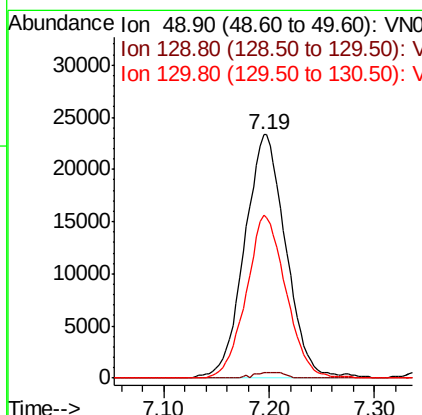
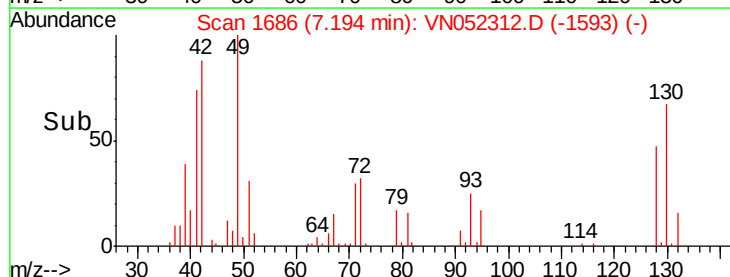
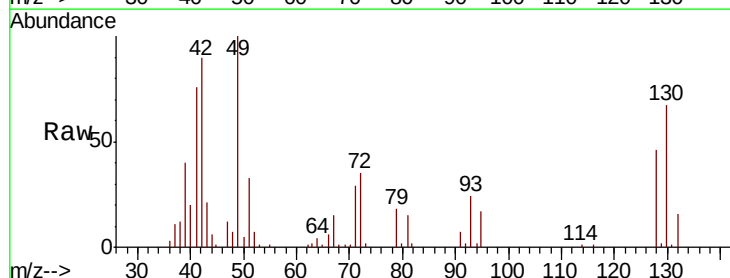
Manual Integrations
 APPROVED

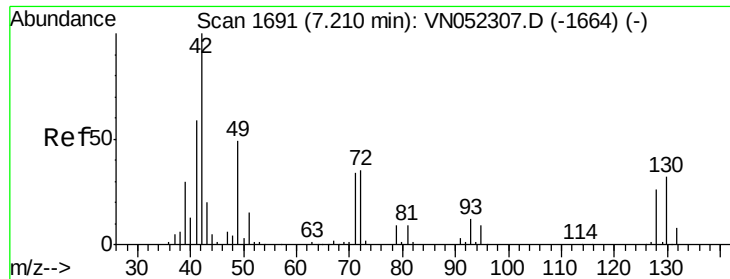
MMDadoda
 11/20/2018 2:53:45 PM



#28
 Bromochloromethane
 Concen: 18.754 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.0
130	64.3	50.4	75.6





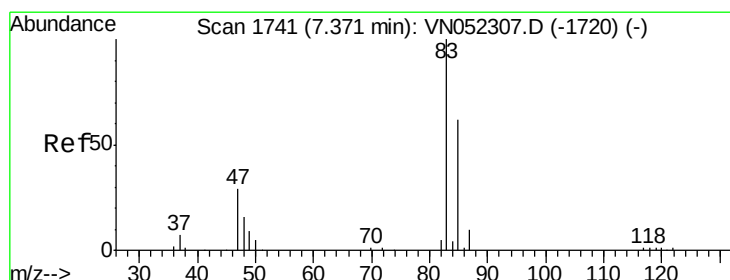
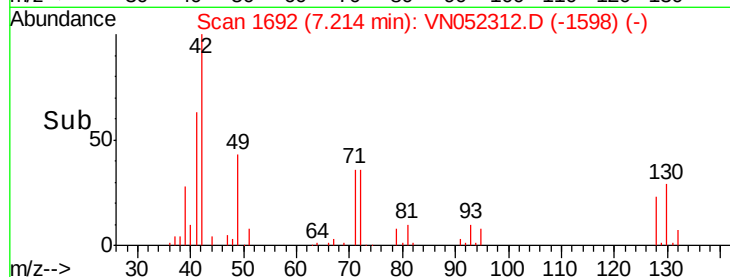
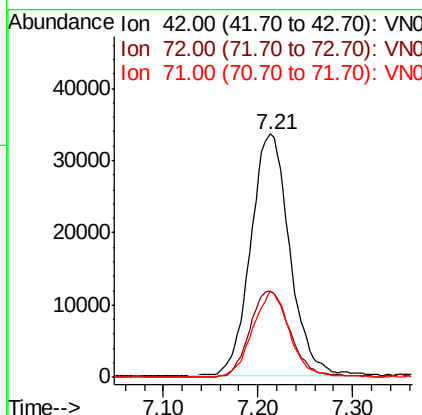
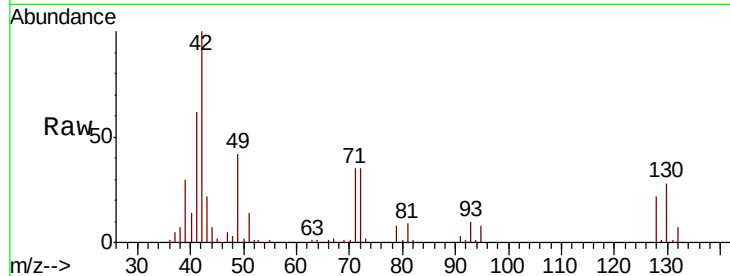
#29
Tetrahydrofuran
Concen: 94.150 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	28.6	42.8
71	33.7	26.7	40.1

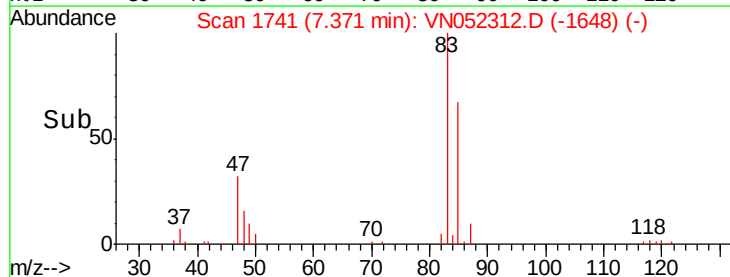
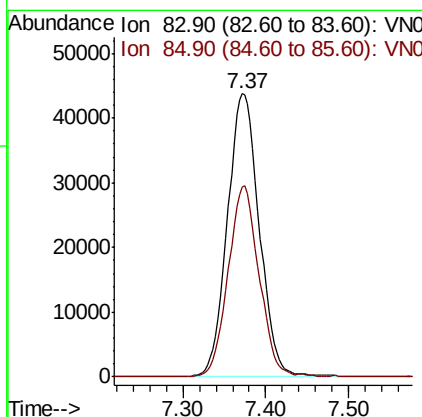
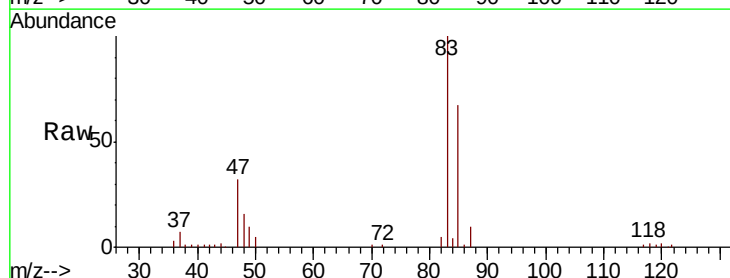
Manual Integrations
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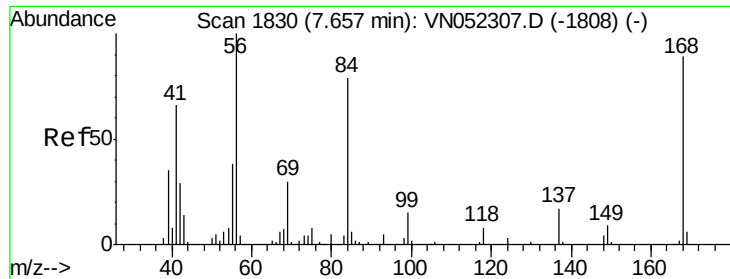
MMDadoda
11/20/2018 2:53:45 PM



#30
Chloroform
Concen: 18.718 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	49.4	74.2





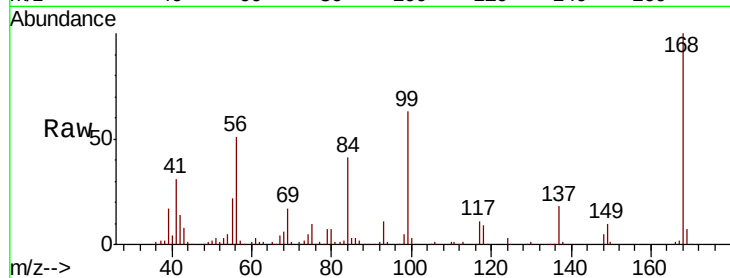
#31
Cyclohexane
Concen: 19.704 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

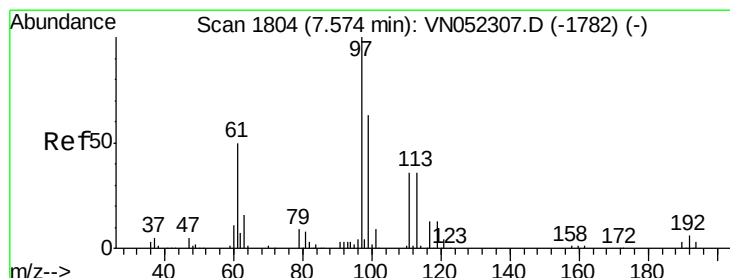
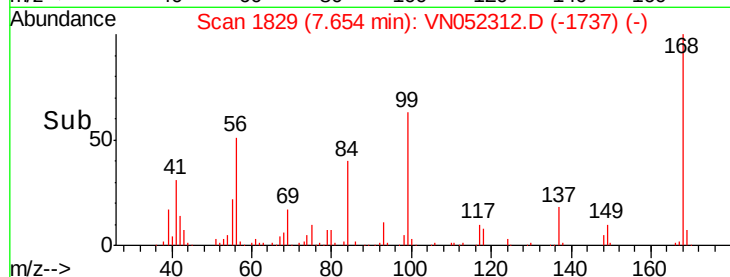
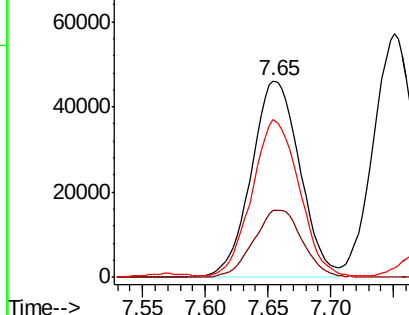
Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	23.8	35.8
84	78.9	63.0	94.6

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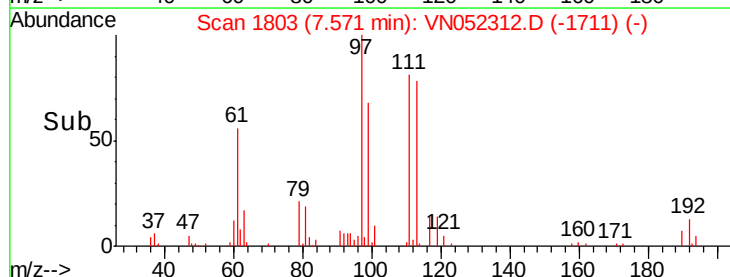
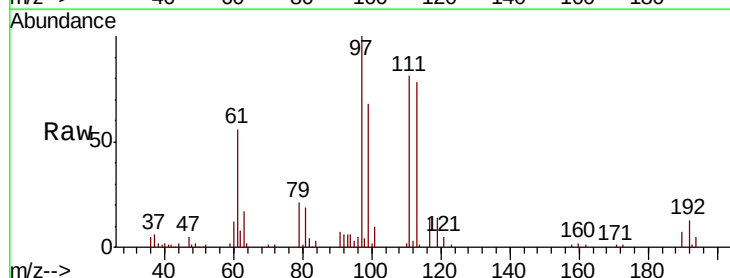
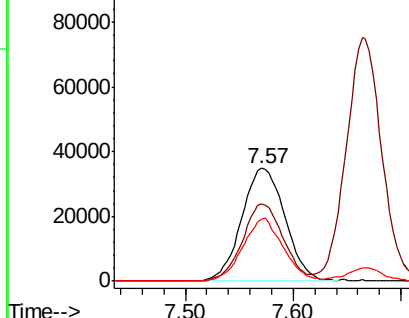
Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

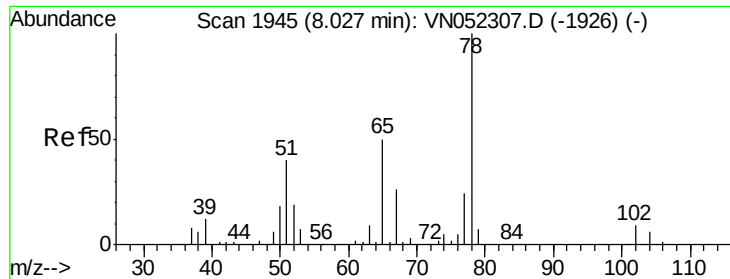


#32
1,1,1-Trichloroethane
Concen: 18.299 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.2	75.2
61	51.3	40.2	60.4

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





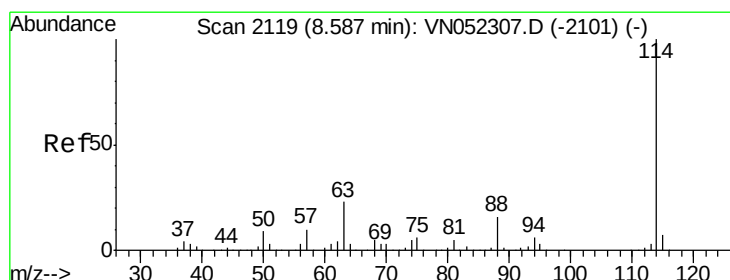
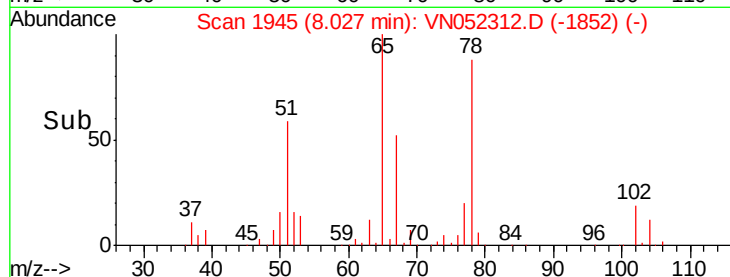
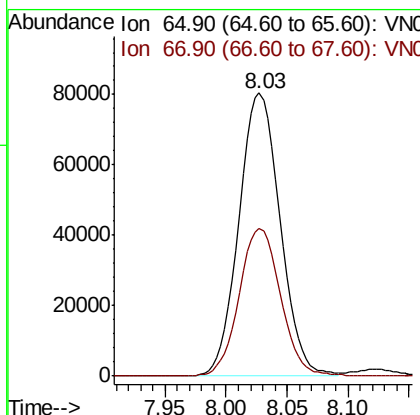
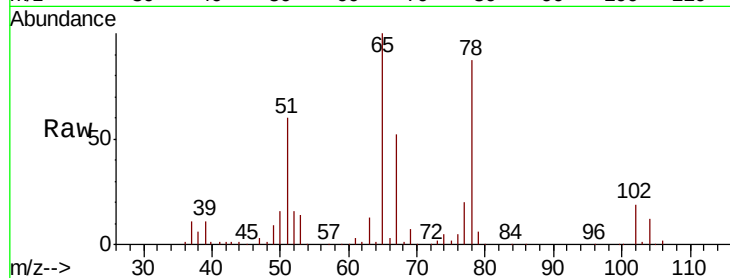
#33
 1,2-Dichloroethane-d4
 Concen: 18.299 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	188585		
67	52.3	0.0	105.2	

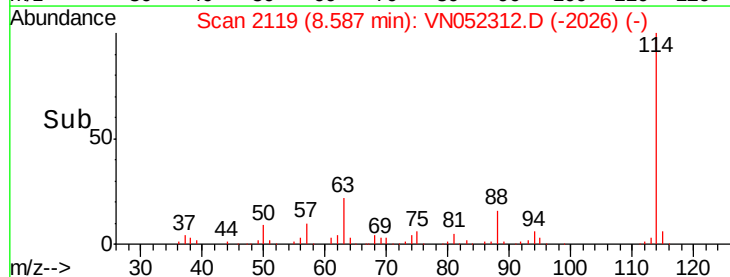
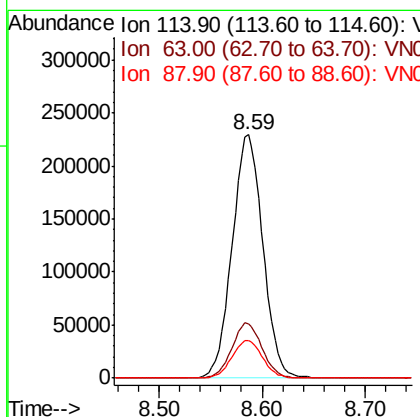
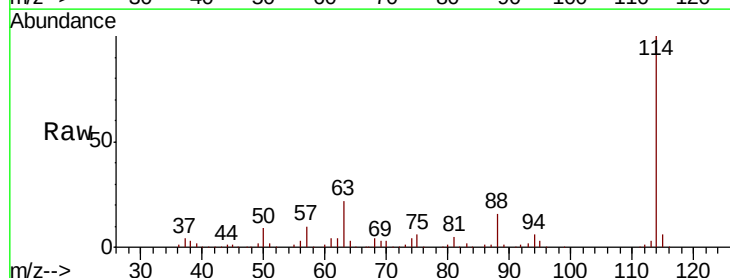
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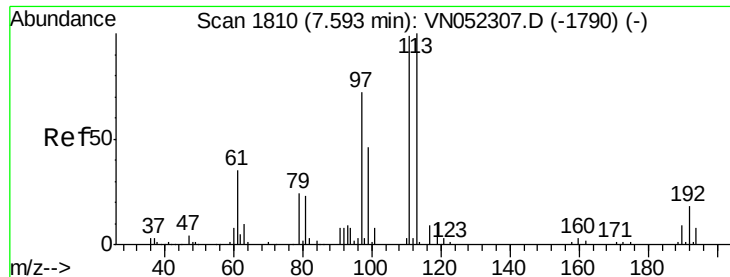
MMDadoda
 11/20/2018 2:53:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	476159		
63	22.5	0.0	45.4	
88	15.6	0.0	31.2	





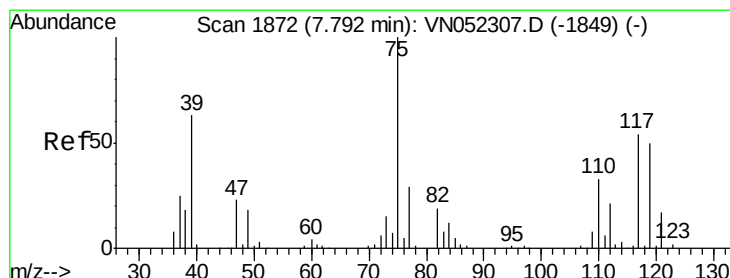
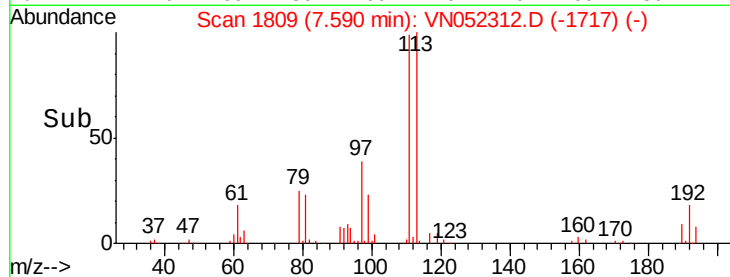
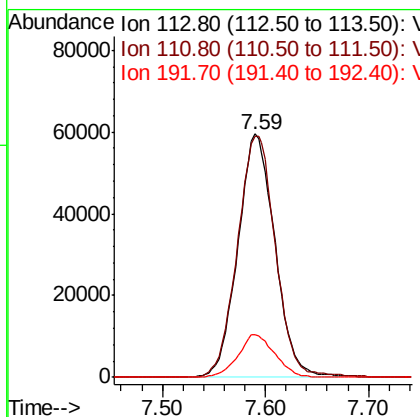
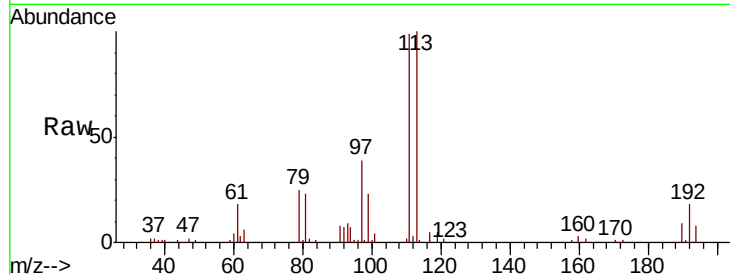
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	148404		
111	102.3		81.0	121.6
192	17.5		13.8	20.6

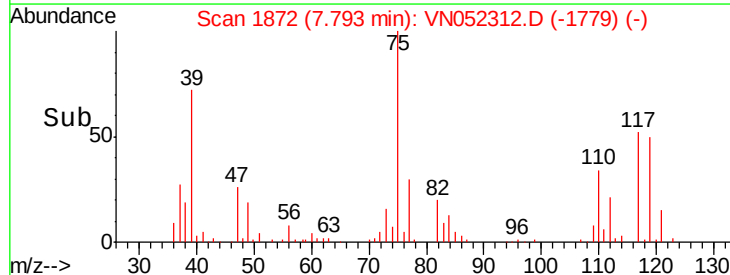
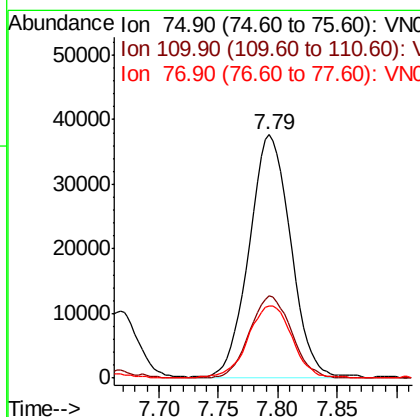
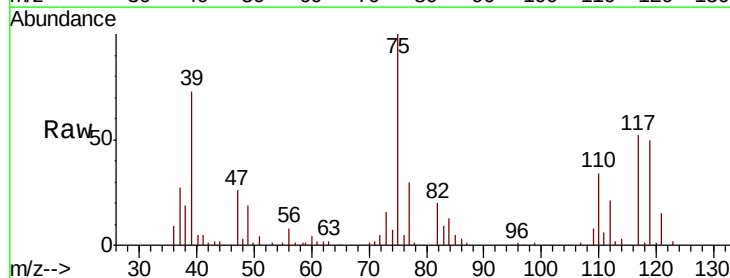
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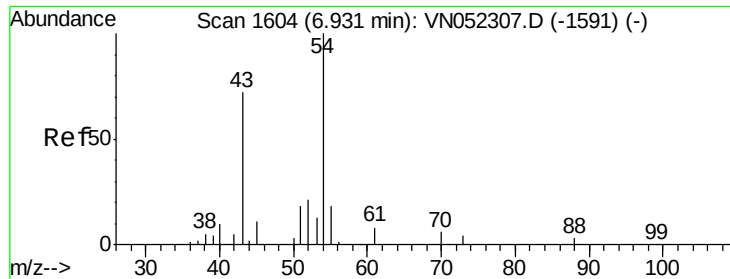
MMDadoda
 11/20/2018 2:53:45 PM



#36
 1,1-Dichloropropene
 Concen: 19.157 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	91429		
110	33.9		16.5	49.5
77	31.5		24.2	36.2





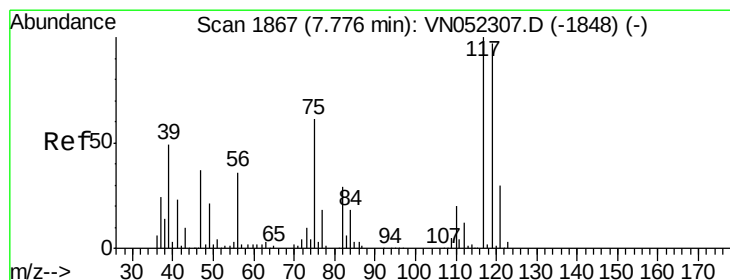
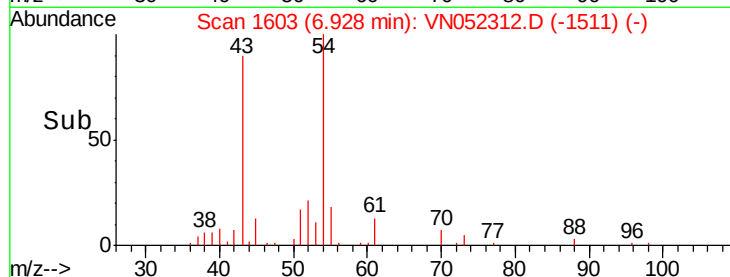
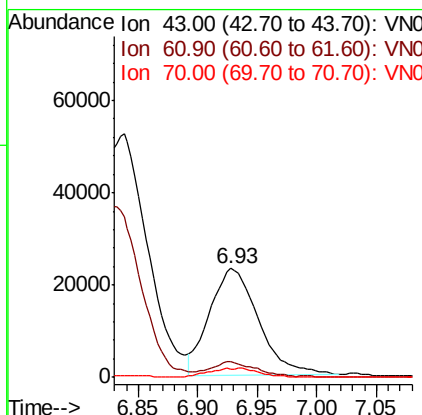
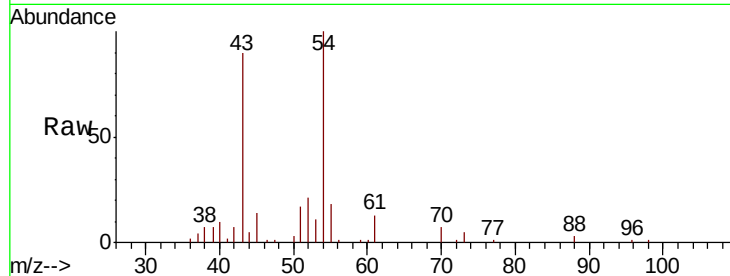
#37
Ethyl Acetate
Concen: 19.079 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	12.4	10.3	15.5	
70	8.8	5.6	8.4	

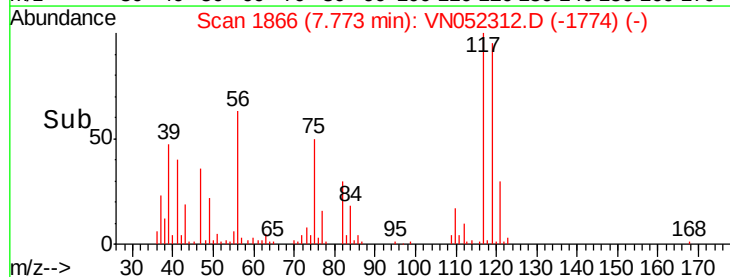
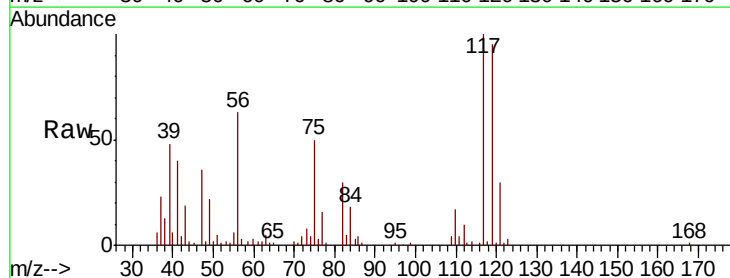
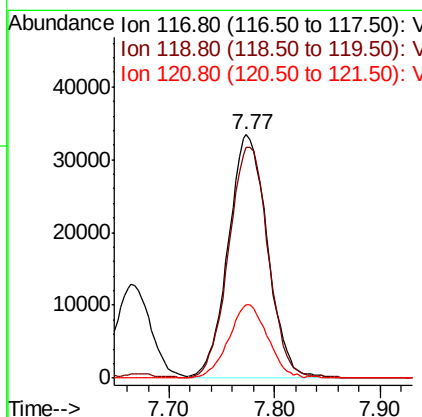
Manual Integrations
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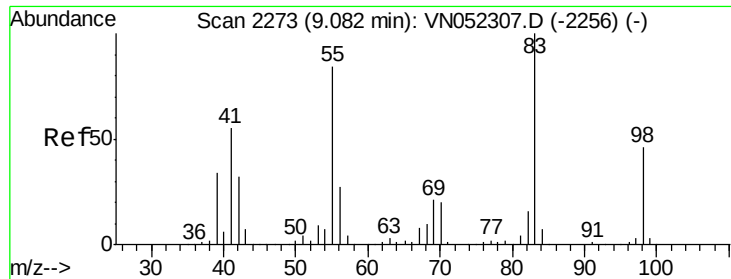
MMDadoda
11/20/2018 2:53:45 PM



#38
Carbon Tetrachloride
Concen: 19.695 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	94.6	77.4	116.0	
121	30.1	24.0	36.0	





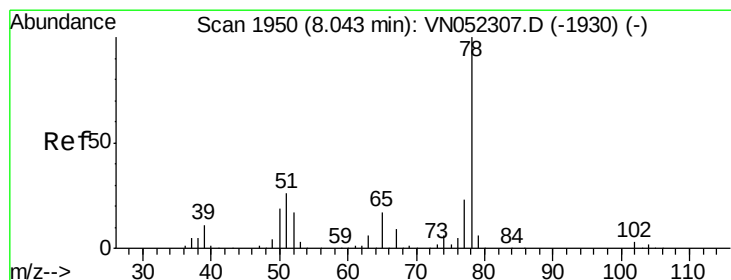
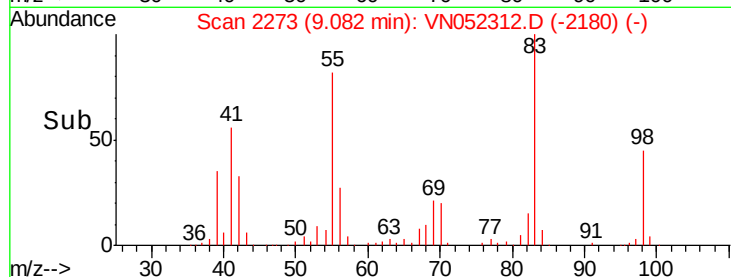
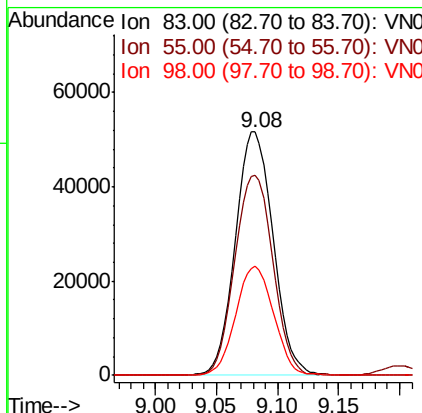
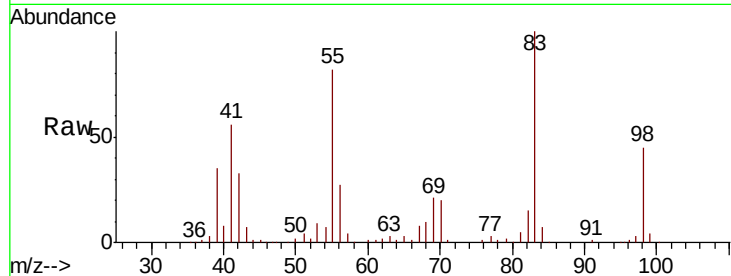
#39
Methylvlcyclohexane
Concen: 20.344 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

Tot Ion	83.00	Resp	110840
Ion	Ratio	Lower	Upper
83	100		
55	82.2	66.8	100.2
98	44.7	36.4	54.6

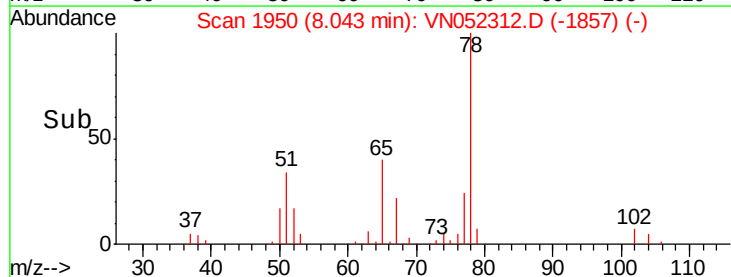
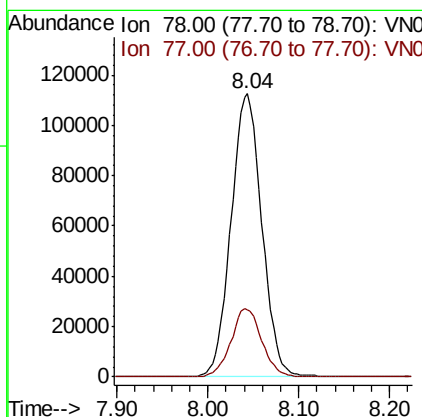
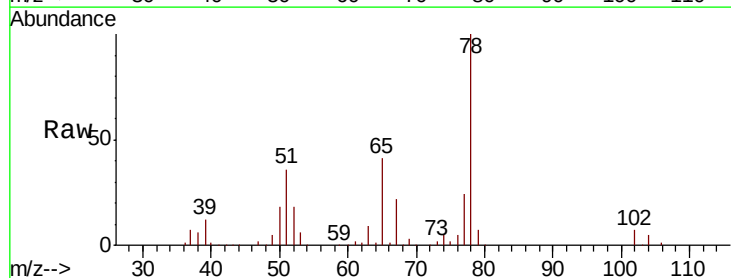
Manual Integrations
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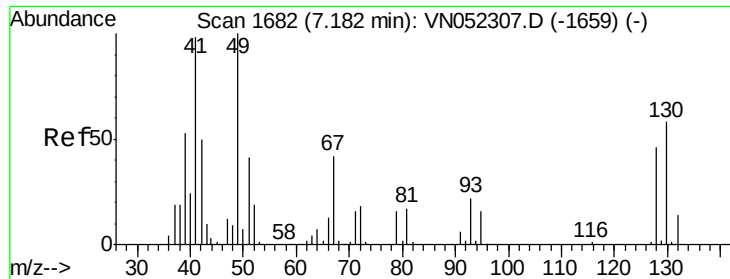
MMDadoda
11/20/2018 2:53:45 PM



#40
Benzene
Concen: 19.386 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Tgt Ion	78.00	Resp	264307
Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.7	28.1





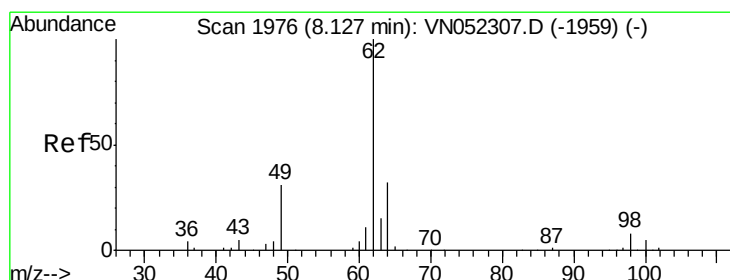
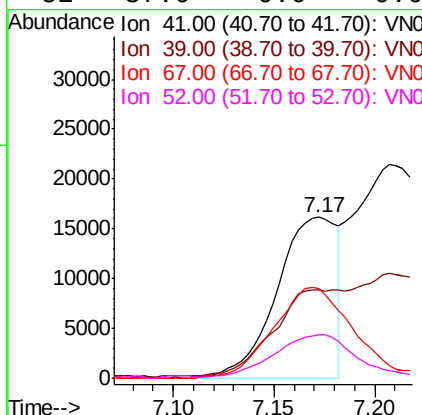
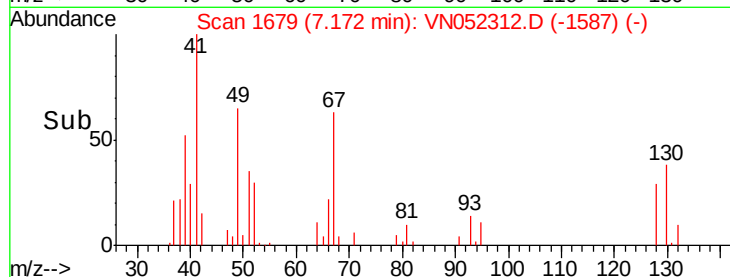
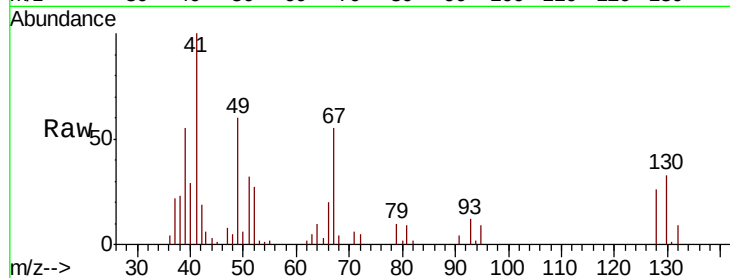
#41
Methacrylonitrile
Concen: 19.804 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.4	0.0	0.0#
67	75.5	0.0	0.0#
52	37.0	0.0	0.0#

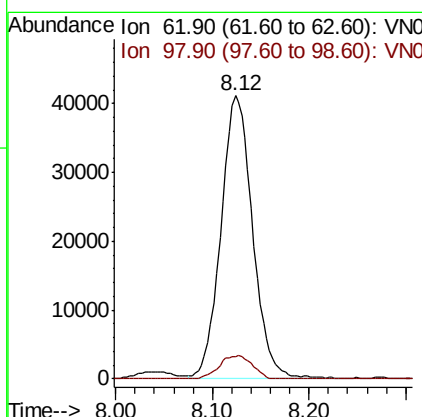
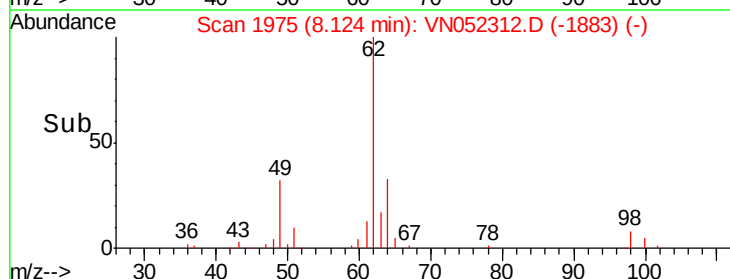
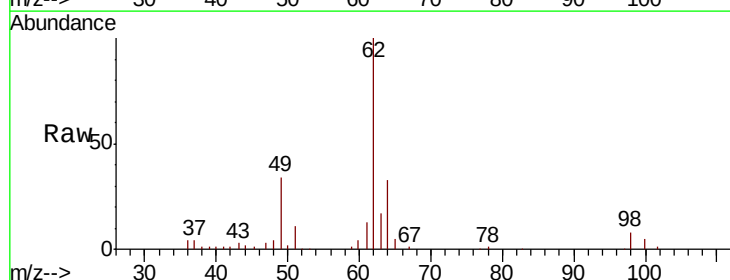
Manual Integrations
APPROVED

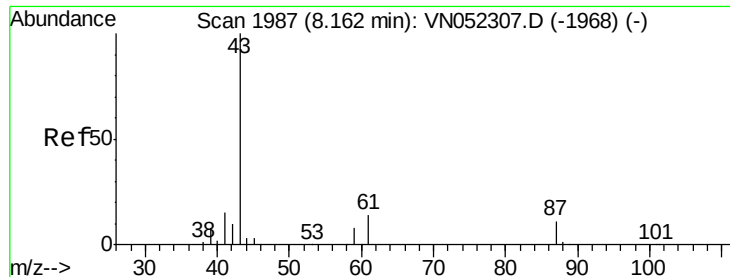
MMDadoda
11/20/2018 2:53:45 PM



#42
1,2-Dichloroethane
Concen: 19.290 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	15.6





#43

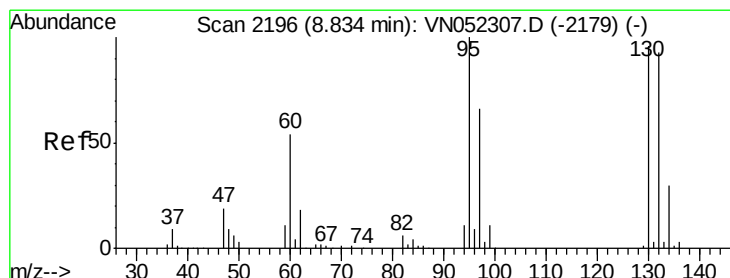
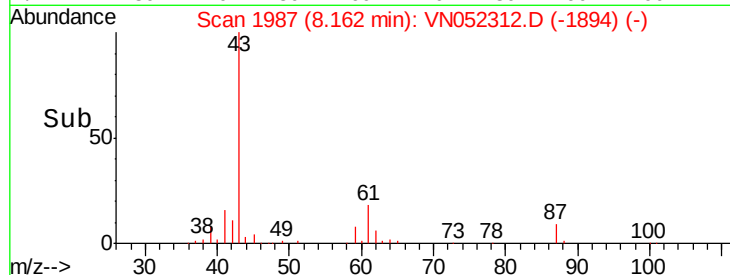
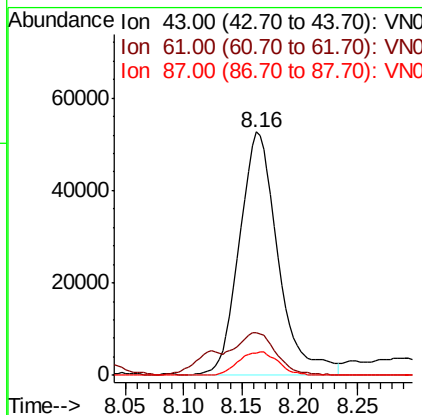
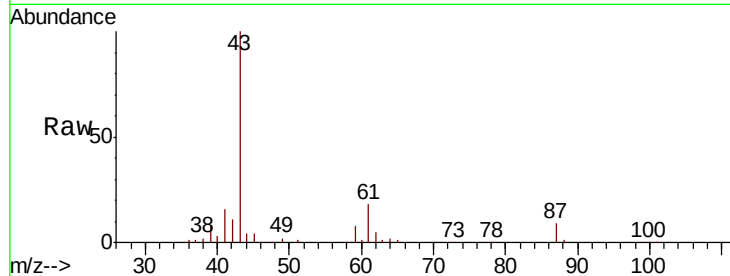
Isopropyl Acetate
 Concen: 18.143 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.7	12.0	18.0
87	9.9	8.3	12.5

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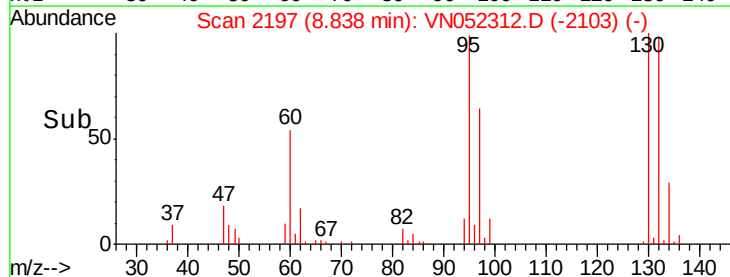
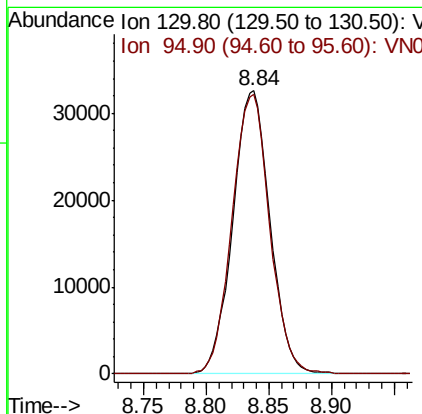
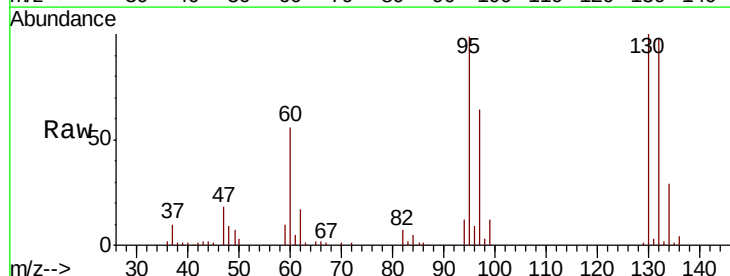
MMDadoda
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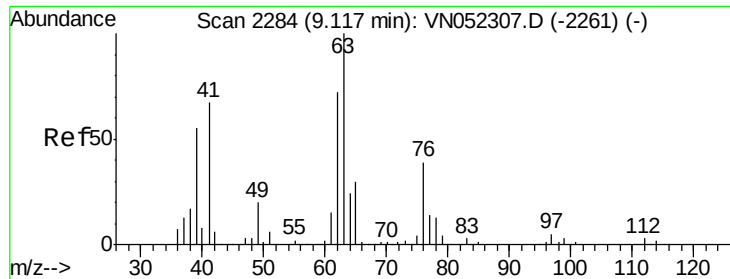


#44

Trichloroethene
 Concen: 20.013 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	208.4





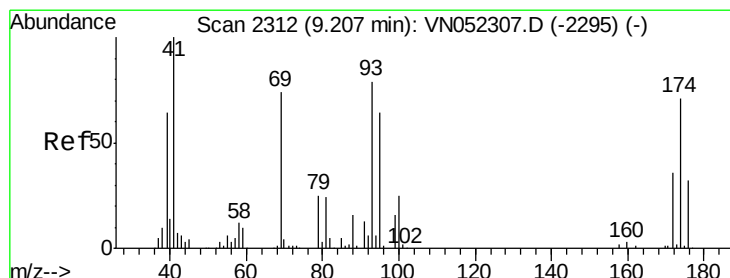
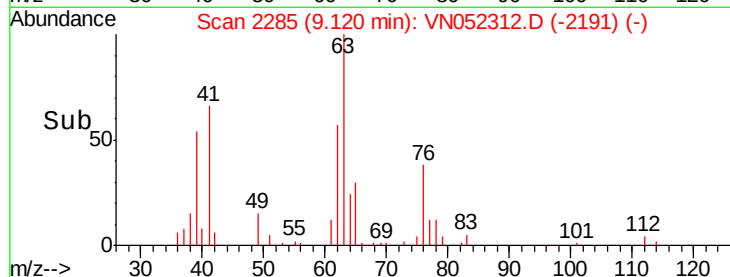
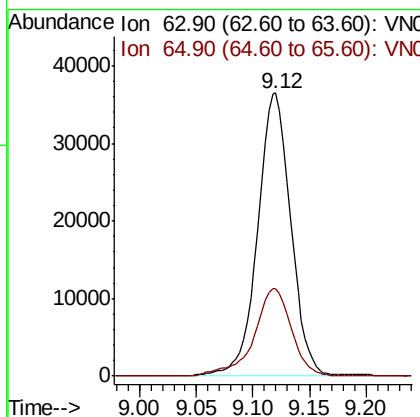
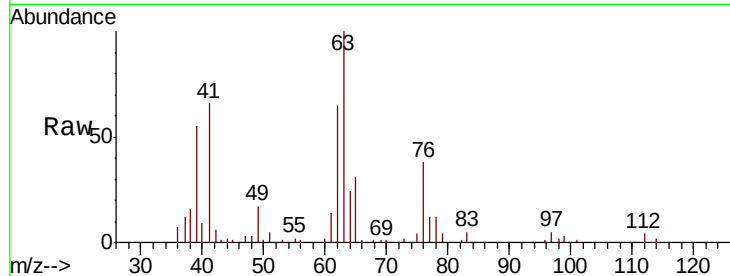
#45
 1,2-Dichloropropane
 Concen: 19.182 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBS01

Tot Ion: 63 Resp: 74221
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.2 36.4

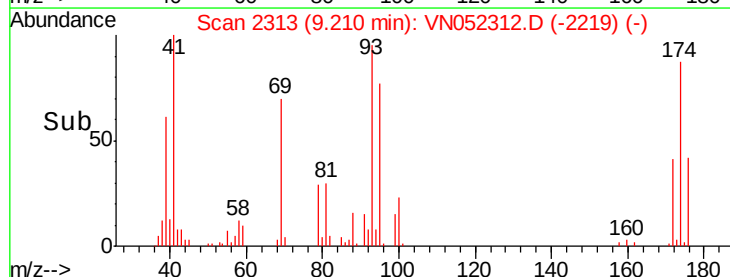
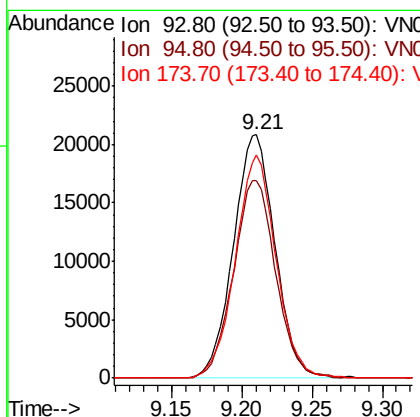
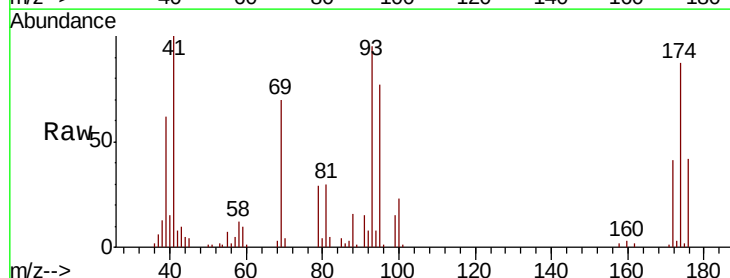
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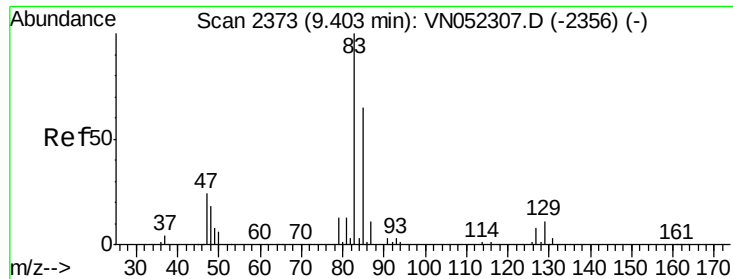
MMDadoda
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#46
 Dibromomethane
 Concen: 19.204 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Tgt Ion: 93 Resp: 43015
 Ion Ratio Lower Upper
 93 100
 95 82.3 64.2 96.2
 174 89.6 70.9 106.3





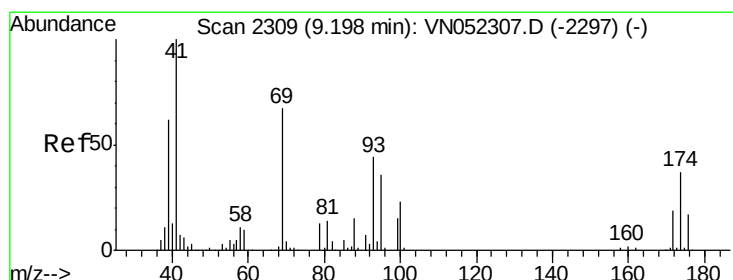
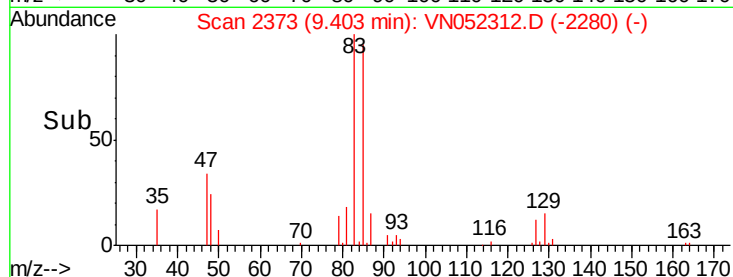
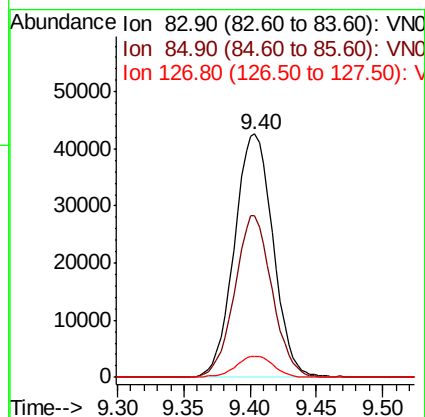
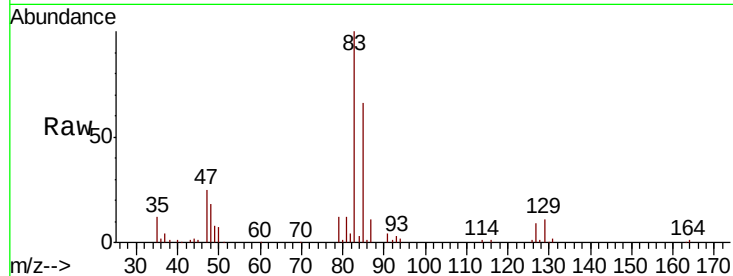
#47
Bromodichloromethane
Concen: 18.737 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

Tot Ion	83	Resp	86124
Ion Ratio	100	Lower	Upper
83	100		
85	66.3	52.2	78.4
127	8.7	6.7	10.1

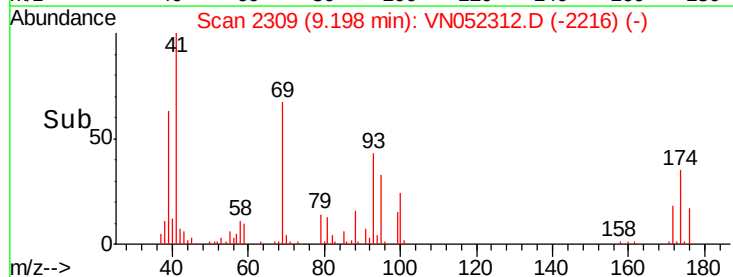
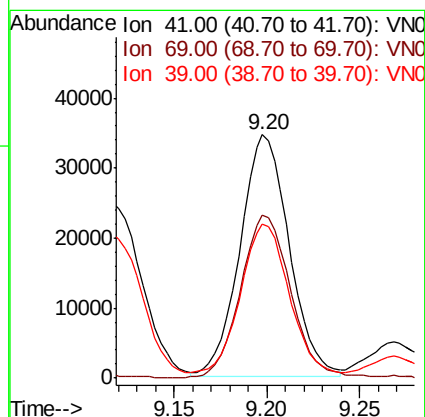
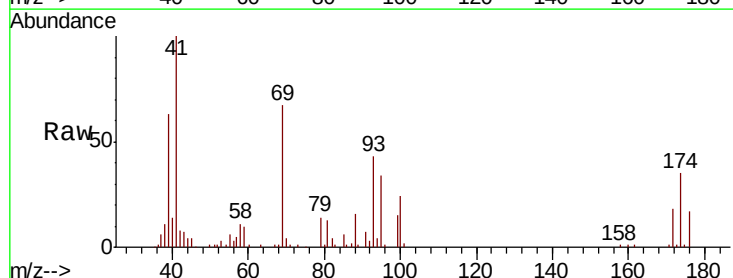
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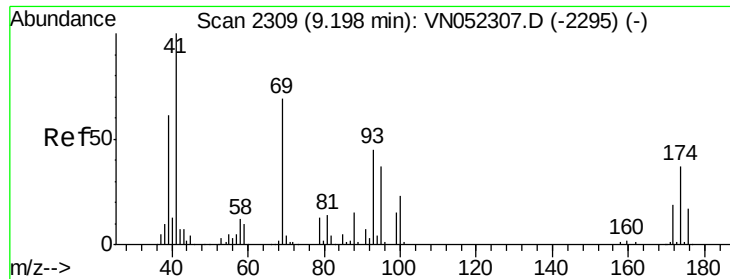
MMDadoda
11/20/2018 2:53:45 PM



#48
Methyl methacrylate
Concen: 18.897 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Tgt Ion	41	Resp	64087
Ion Ratio	100	Lower	Upper
41	100		
69	68.9	57.1	85.7
39	63.6	52.5	78.7





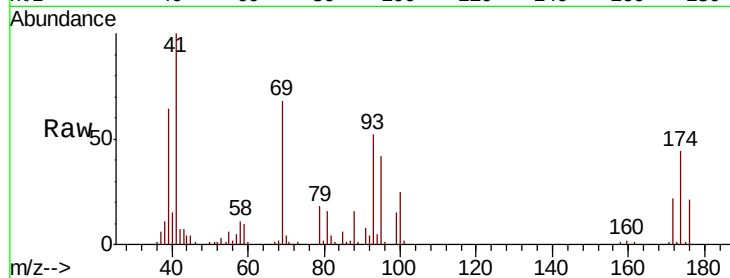
#49
1,4-Dioxane
Concen: 426.977 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	33.3	49.9
58	77.7	59.2	88.8

Manual Integrations
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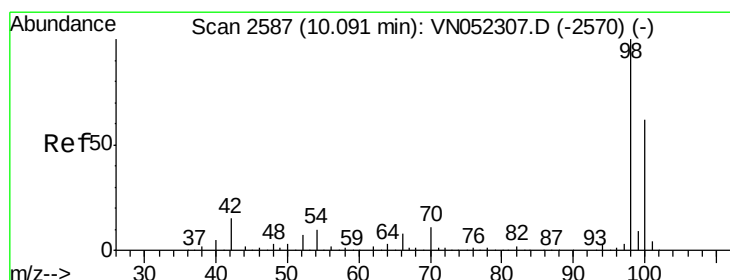
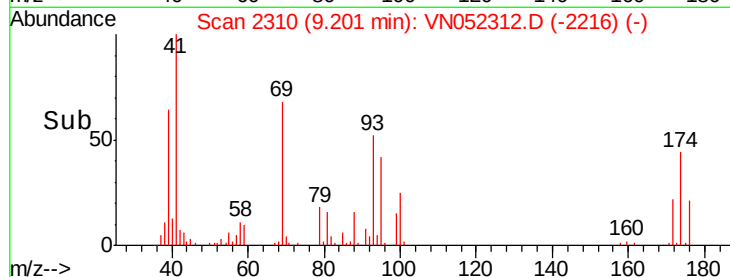
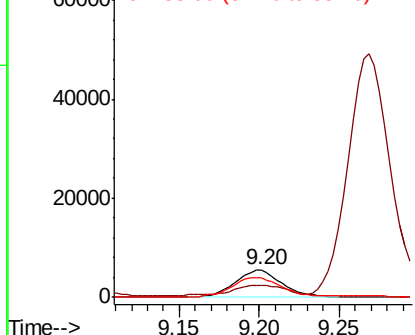


Abundance

Ion 88.00 (87.70 to 88.70): VN0

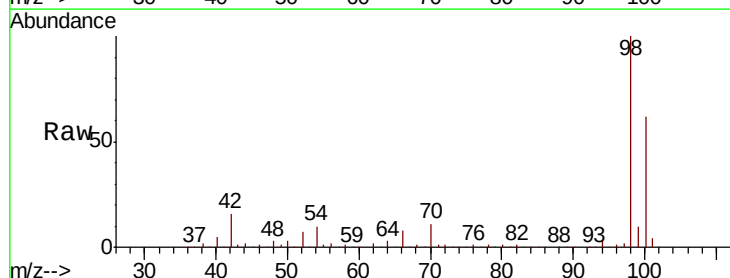
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 426.977 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

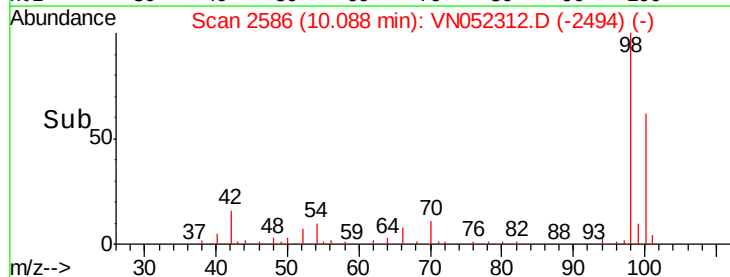
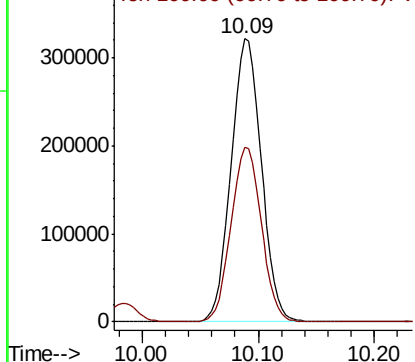
Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.7	49.5	74.3

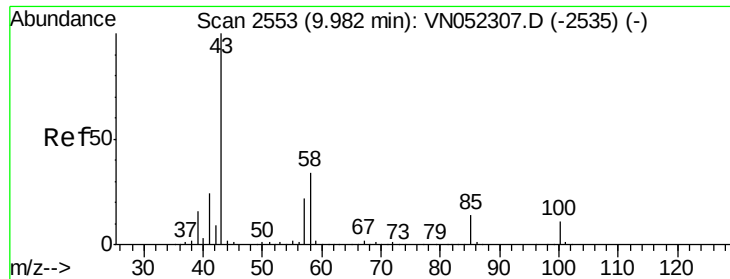


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 98.579 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052312.D

Acq: 14 Nov 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBS01

Tot Ion: 43 Resp: 331655

Ion Ratio Lower Upper

43 100

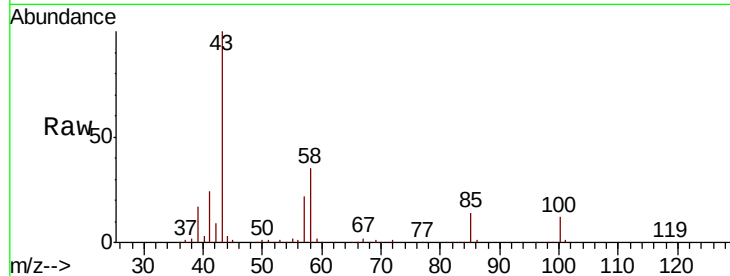
58 34.2 27.0 40.6

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Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-2535) (-)

9.98

200000

150000

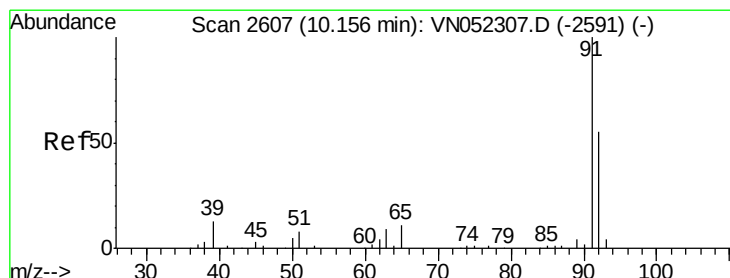
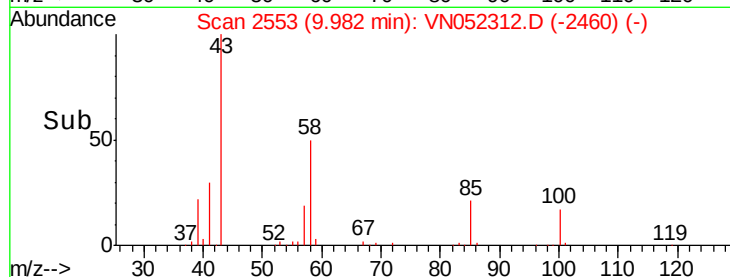
100000

50000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 19.789 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052312.D

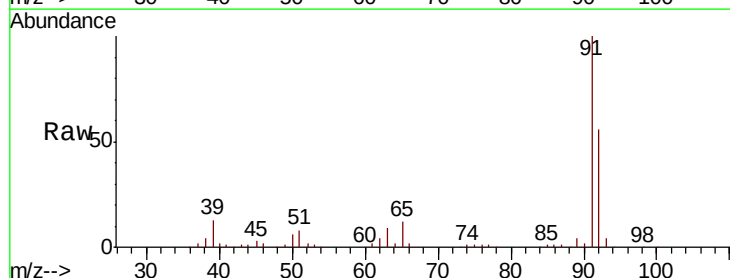
Acq: 14 Nov 2018 14:55

Tgt Ion: 92 Resp: 161404

Ion Ratio Lower Upper

92 100

91 177.8 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN052307.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052307.D (-2591) (-)

10.16

150000

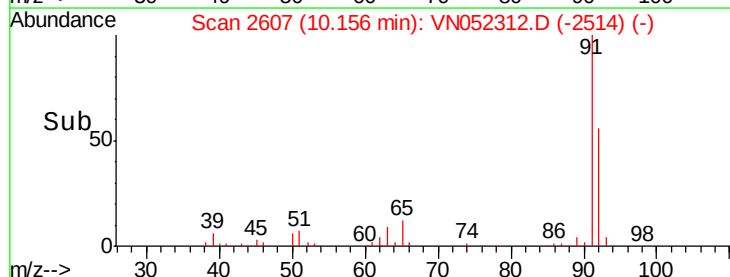
100000

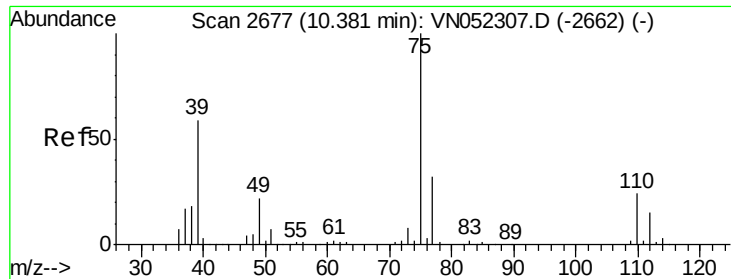
50000

0

10.05 10.10 10.15 10.20

Time-->





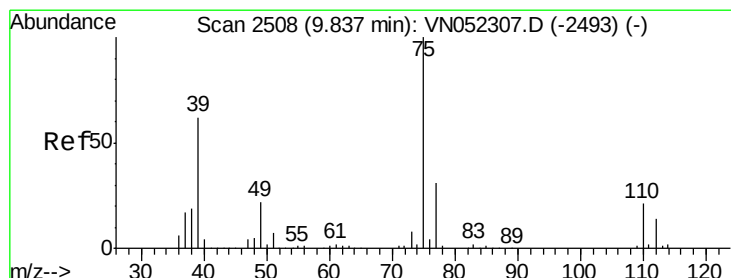
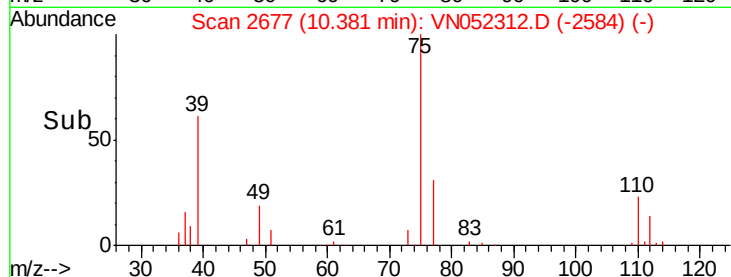
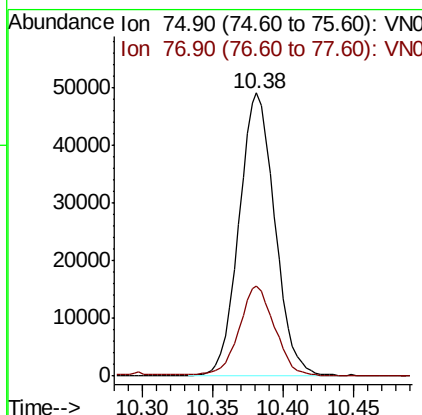
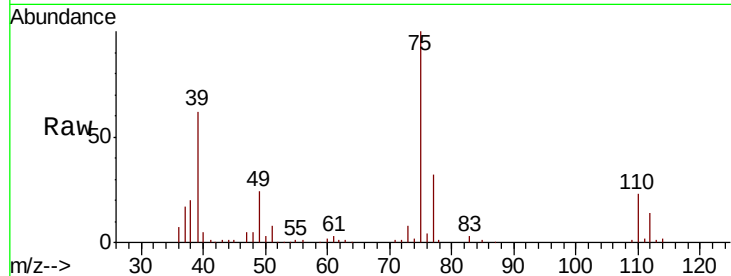
#53
t-1,3-Dichloropropene
Concen: 18.828 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

Tot Ion: 75 Resp: 87285
Ion Ratio Lower Upper
75 100
77 31.5 25.7 38.5

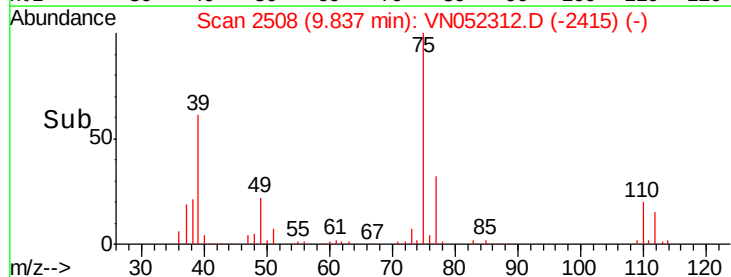
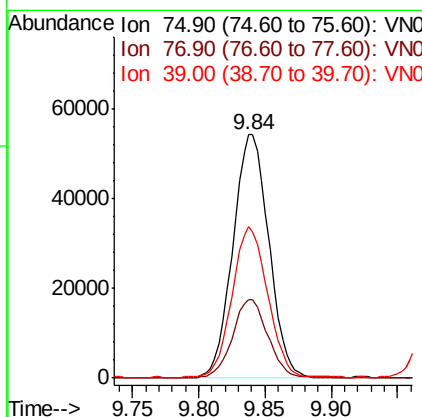
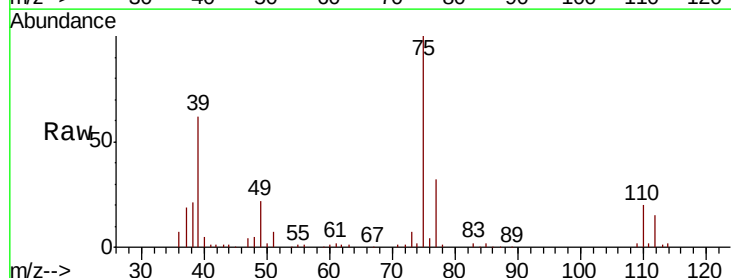
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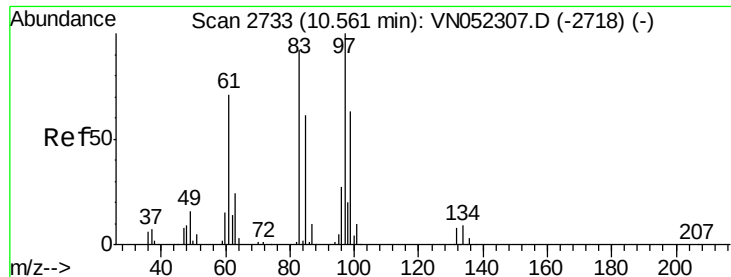
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.387 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Tgt Ion: 75 Resp: 102458
Ion Ratio Lower Upper
75 100
77 32.3 24.6 36.8
39 61.5 49.9 74.9





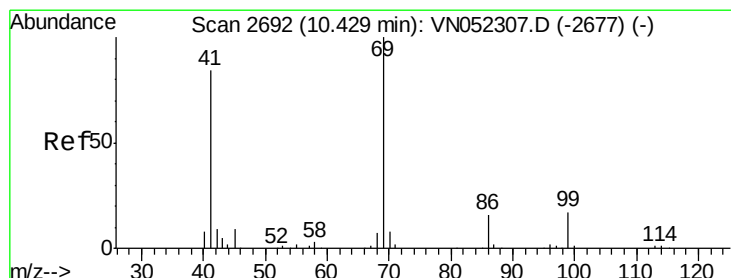
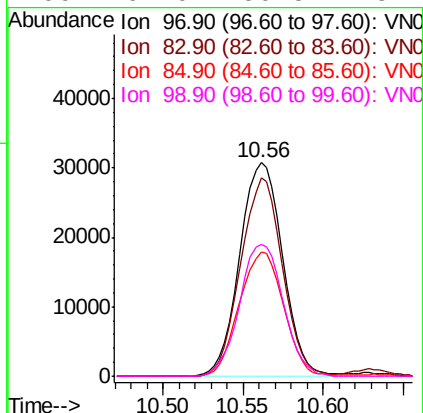
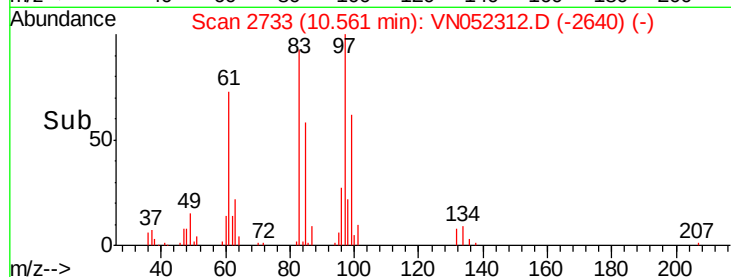
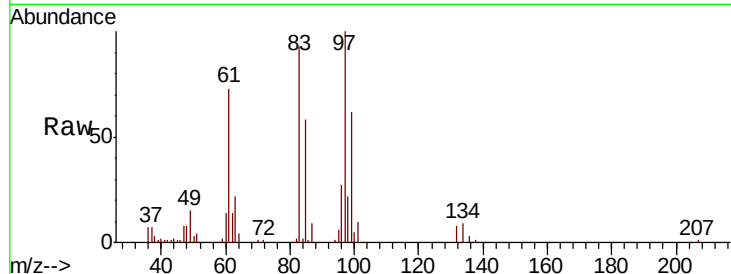
#55
 1,1,2-Trichloroethane
 Concen: 19.092 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBS01

Tot Ion:	97	Resp:	56449
Ion	Ratio	Lower	Upper
97	100		
83	92.7	73.8	110.6
85	58.2	49.0	73.4
99	62.0	50.5	75.7

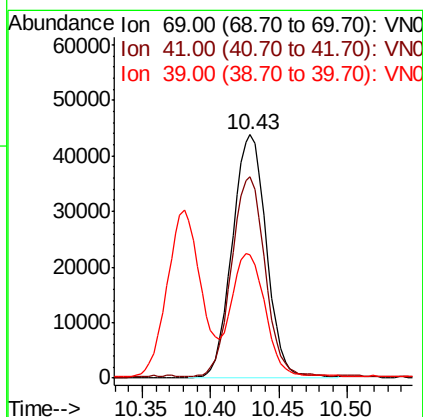
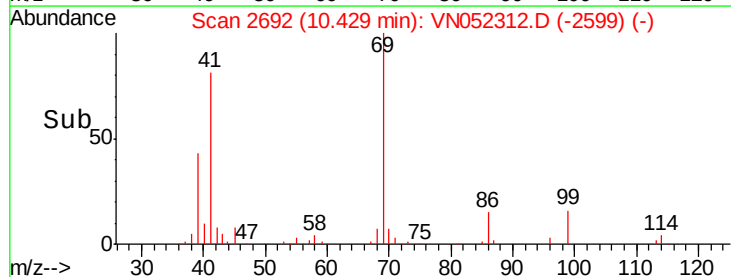
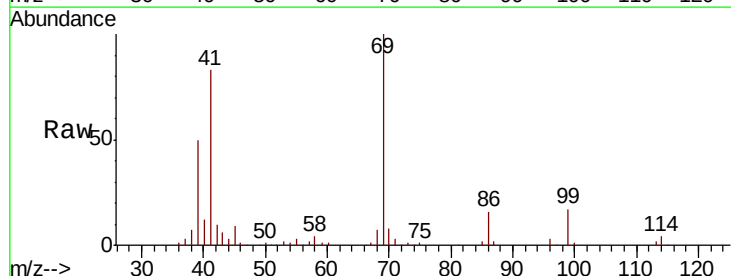
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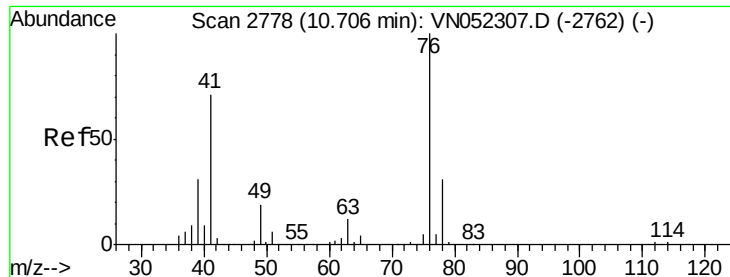
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#56
 Ethyl methacrylate
 Concen: 19.633 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Tgt Ion:	69	Resp:	76343
Ion	Ratio	Lower	Upper
69	100		
41	80.2	64.8	97.2
39	49.0	41.0	61.6





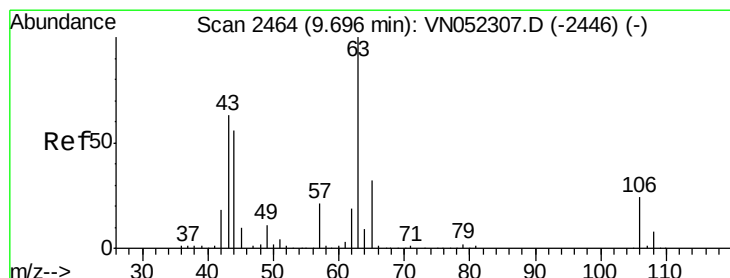
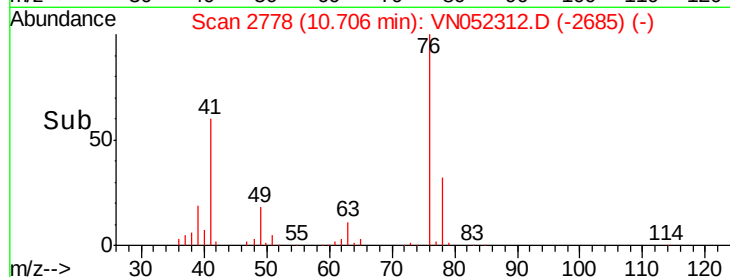
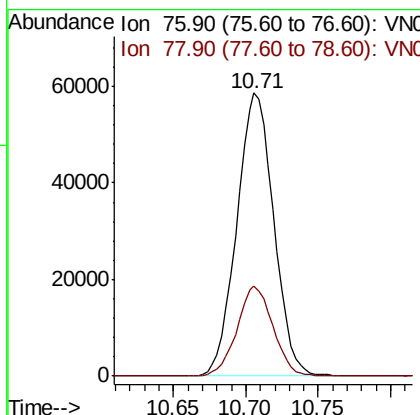
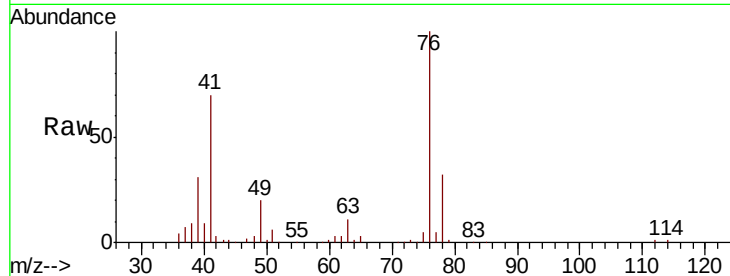
#57
 1,3-Dichloropropane
 Concen: 19.848 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.9	25.7	38.5

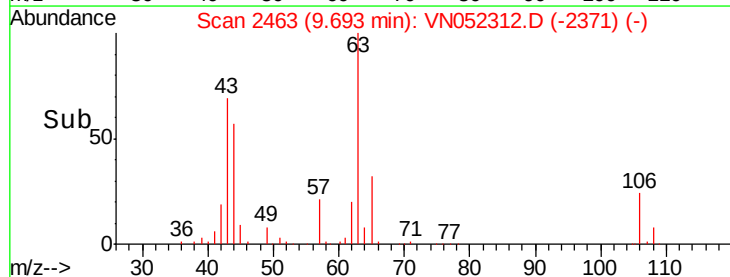
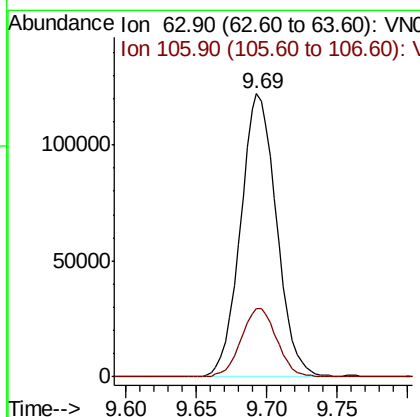
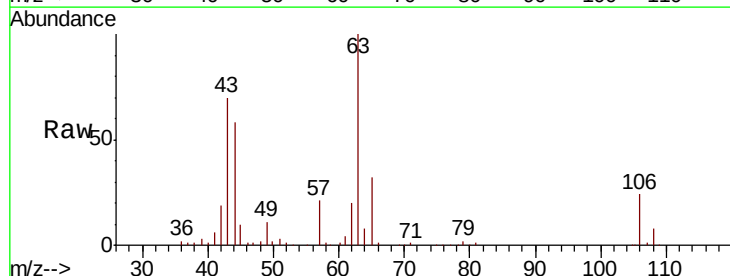
Manual Integrations
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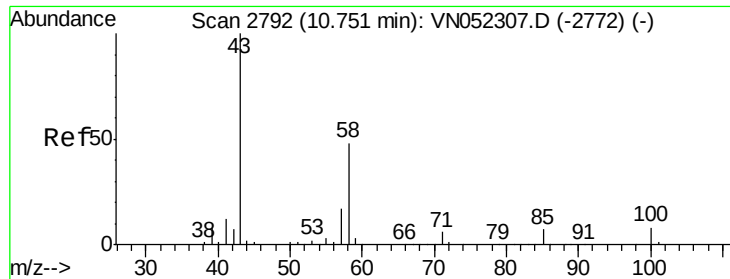
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 98.584 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.0	19.3	28.9





#59

2-Hexanone

Concen: 97.282 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN052312.D

Acq: 14 Nov 2018 14:55

Instrument :

MSVOA_N

ClientSampled :

VN1114WBS01

Tot Ion: 43 Resp: 225121

Ion Ratio Lower Upper

43 100

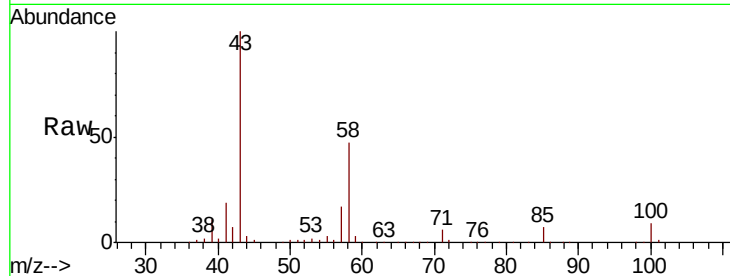
58 47.5 23.5 70.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN052312.D (-2699) (-)

Ion 58.00 (57.70 to 58.70): VN052312.D (-2699) (-)

150000

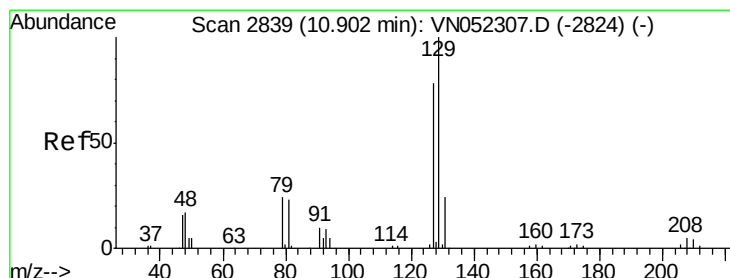
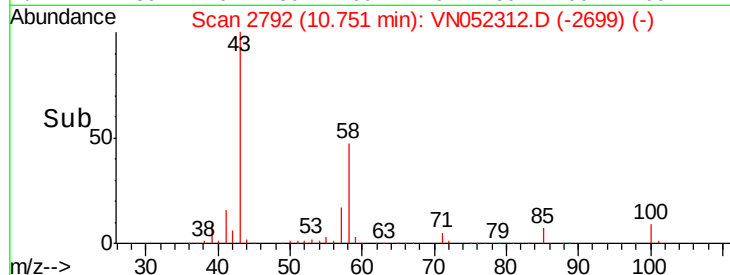
100000

50000

0

10.70 10.75 10.80 10.85

Time-->



#60

Dibromochloromethane

Concen: 18.509 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052312.D

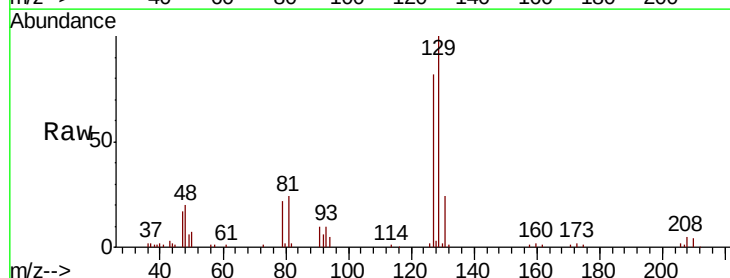
Acq: 14 Nov 2018 14:55

Tgt Ion: 129 Resp: 59211

Ion Ratio Lower Upper

129 100

127 79.4 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): VN052312.D (-2746) (-)

Ion 126.80 (126.50 to 127.50): VN052312.D (-2746) (-)

30000

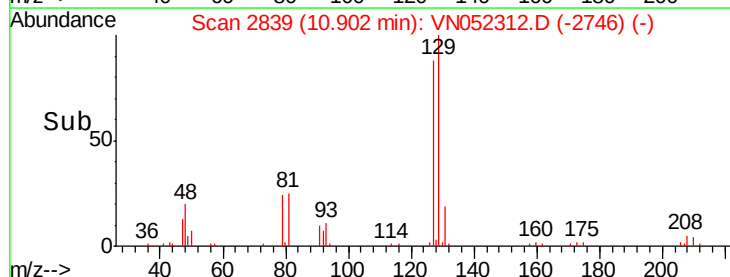
20000

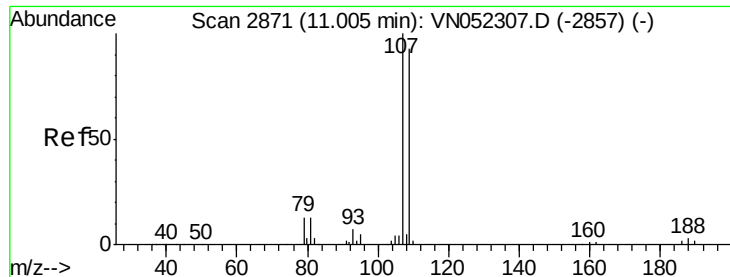
10000

0

10.85 10.90 10.95

Time-->





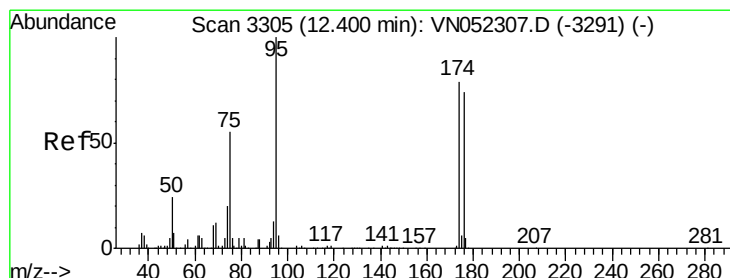
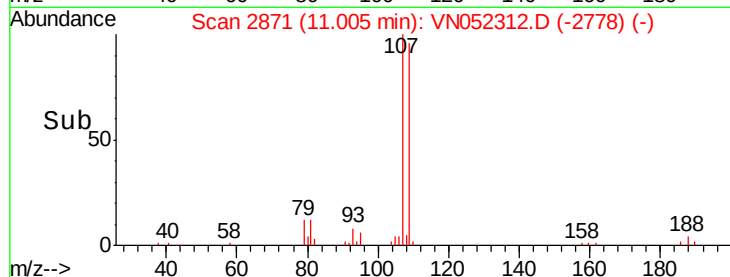
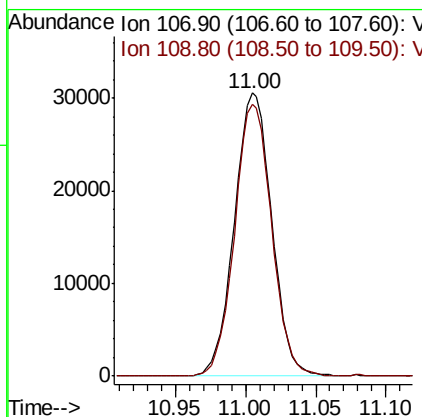
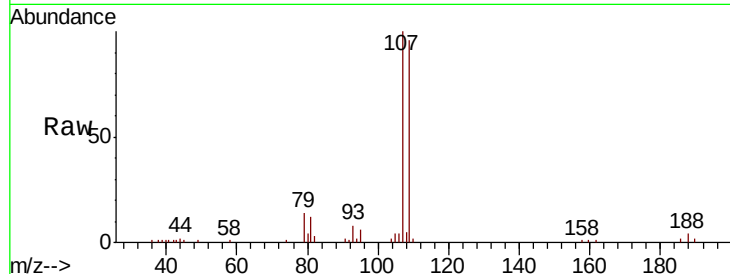
#61
 1,2-Dibromoethane
 Concen: 19.233 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	74.9	112.3

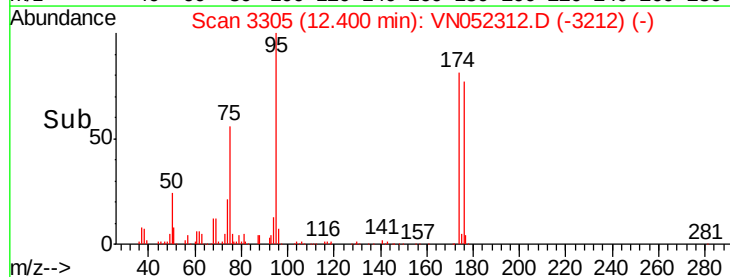
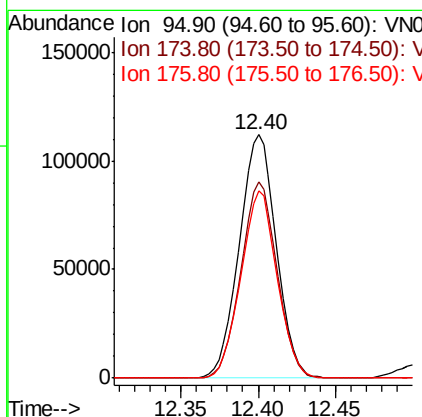
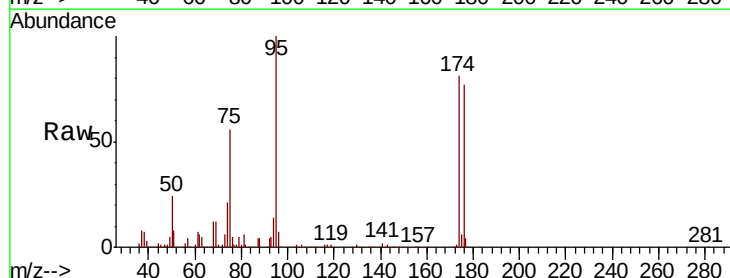
Manual Integrations
 APPROVED

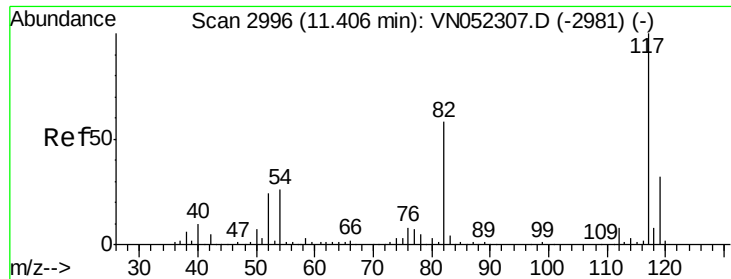
MMDadoda
 11/20/2018 2:53:45 PM



#62
 4-Bromofluorobenzene
 Concen: 19.233 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	156.0
176	75.6	0.0	148.4





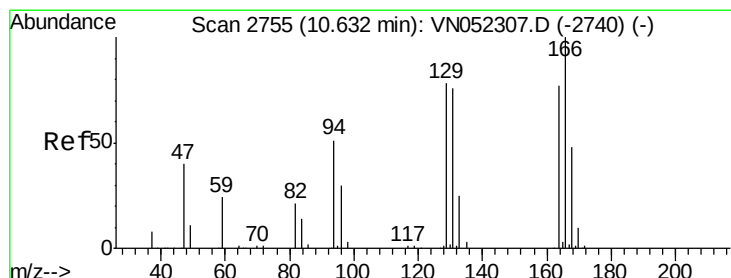
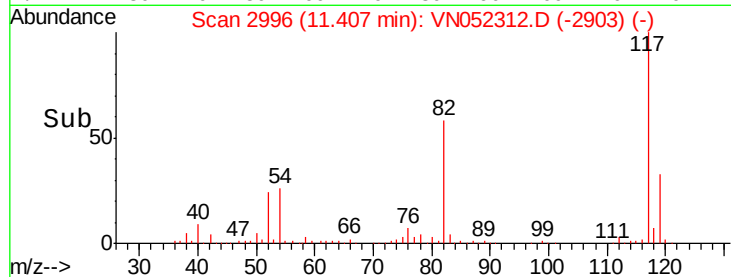
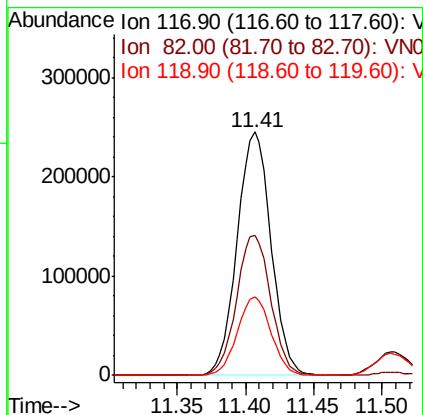
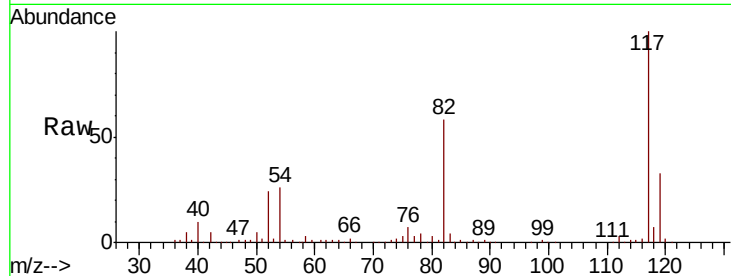
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.5	69.7
119	32.5	25.7	38.5

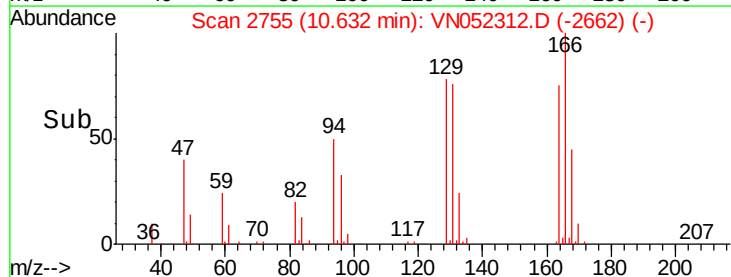
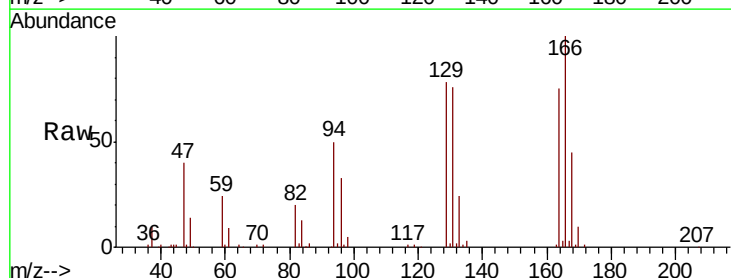
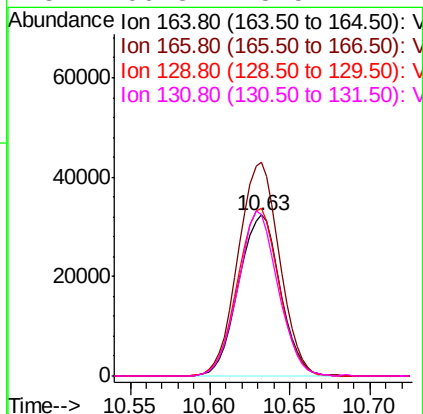
Manual Integrations
APPROVED

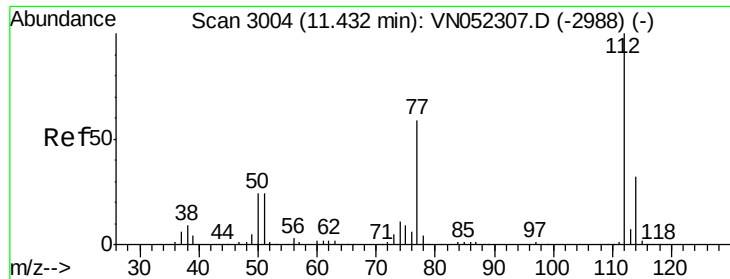
MMDadoda
11/20/2018 2:53:45 PM



#64
Tetrachloroethene
Concen: 19.058 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.7	103.8	155.6
129	104.1	80.7	121.1
131	100.3	78.5	117.7





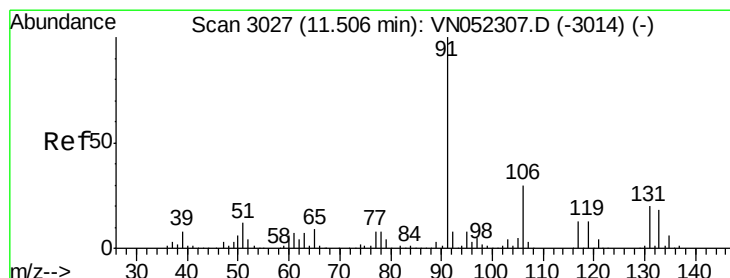
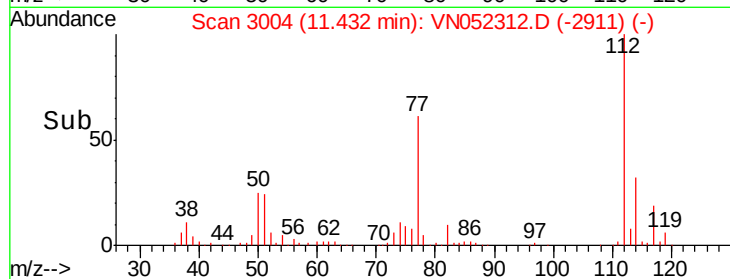
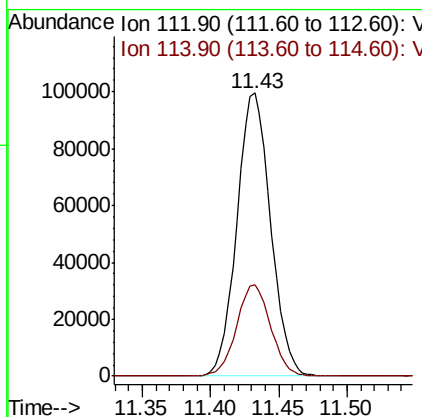
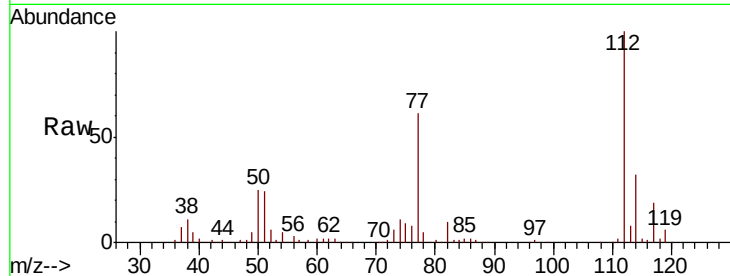
#65
Chlorobenzene
Concen: 19.078 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

Tot Ion:112 Resp: 171050
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9

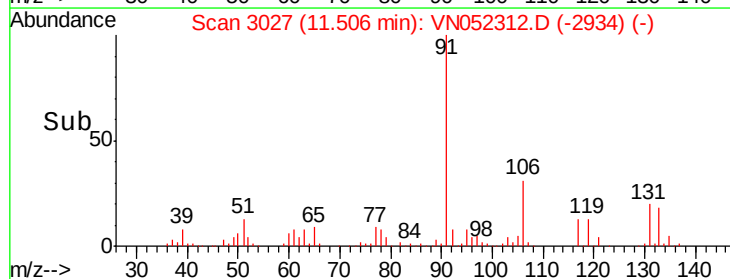
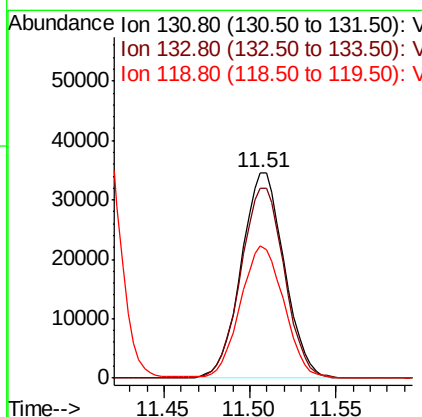
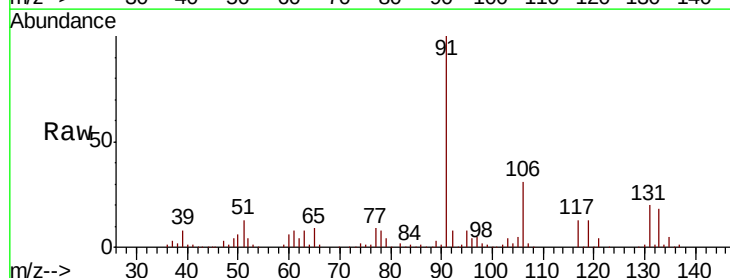
Manual Integrations
APPROVED

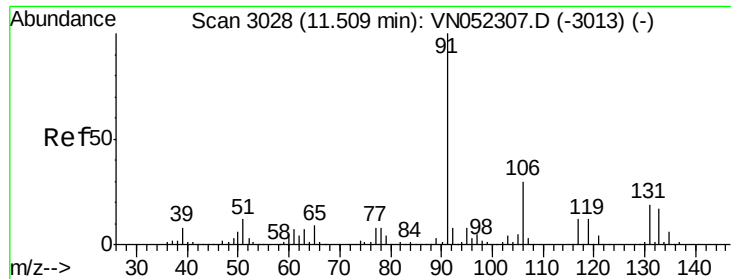
MMDadoda
11/20/2018 2:53:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.636 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Tgt Ion:131 Resp: 60034
Ion Ratio Lower Upper
131 100
133 94.0 47.4 142.3
119 65.2 33.3 99.9





#67

Ethyl Benzene

Concen: 19.739 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052312.D

Acq: 14 Nov 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBS01

Tot Ion: 91 Resp: 307154

Ion Ratio Lower Upper

91 100

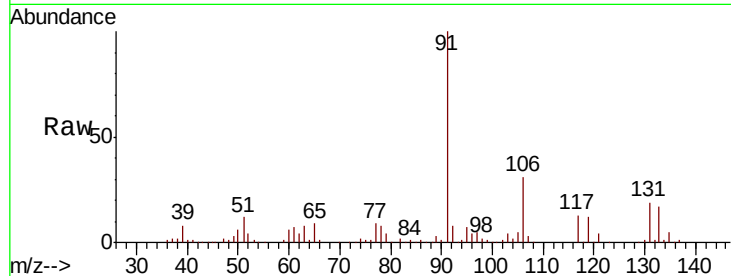
106 30.7 24.2 36.2

Manual Integrations

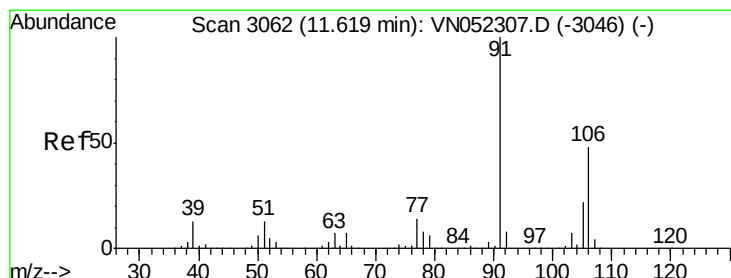
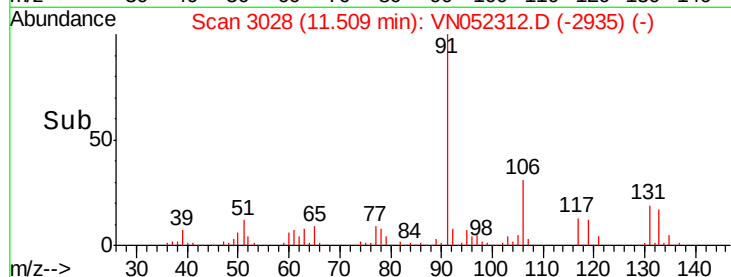
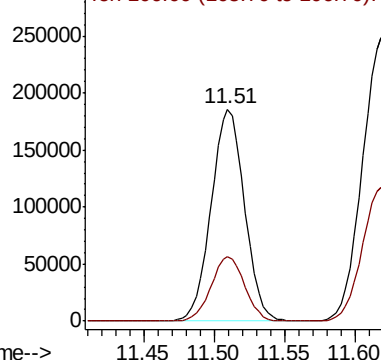
APPROVED

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11/20/2018 2:53:45 PM



Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3013) (-)



#68

m/p-Xylenes

Concen: 40.124 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN052312.D

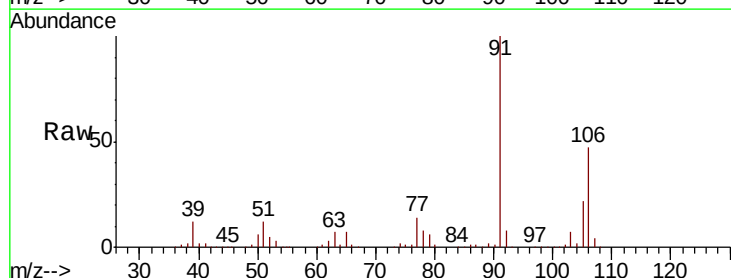
Acq: 14 Nov 2018 14:55

Tgt Ion: 106 Resp: 228130

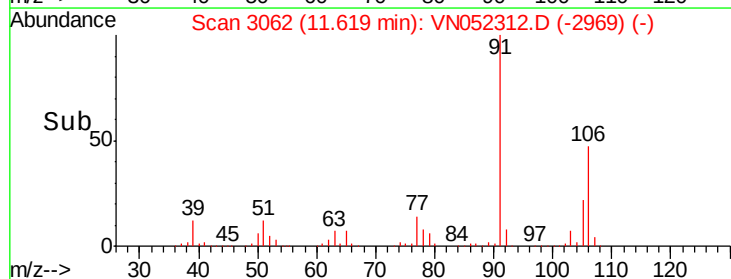
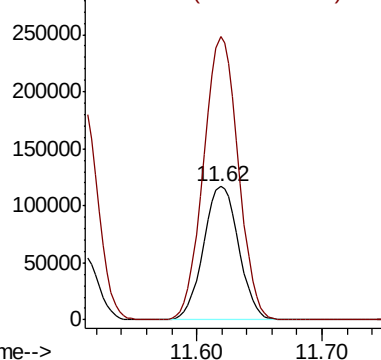
Ion Ratio Lower Upper

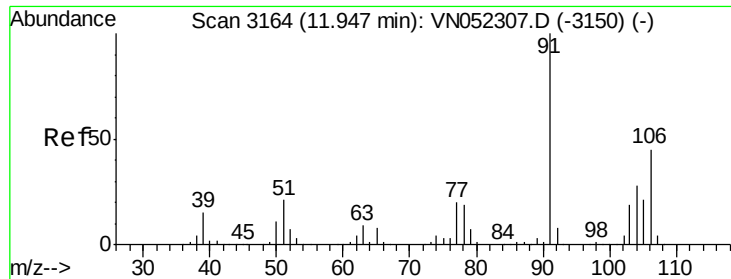
106 100

91 208.9 165.5 248.3



Abundance Ion 106.00 (105.70 to 106.70): VN052307.D (-3046) (-)





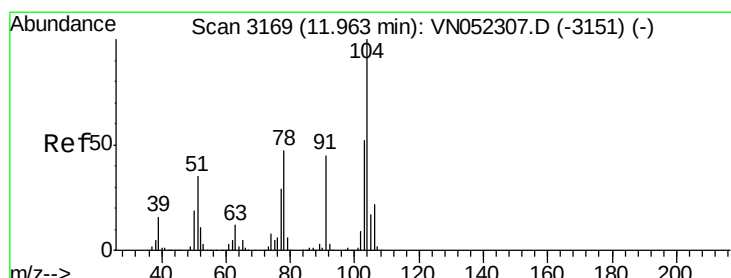
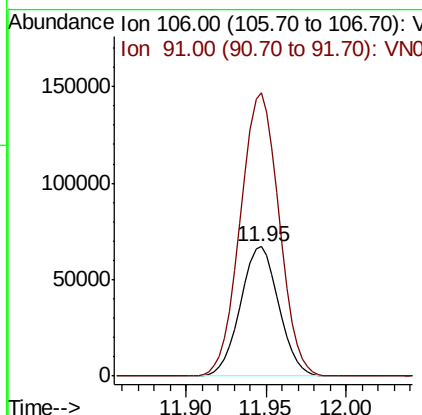
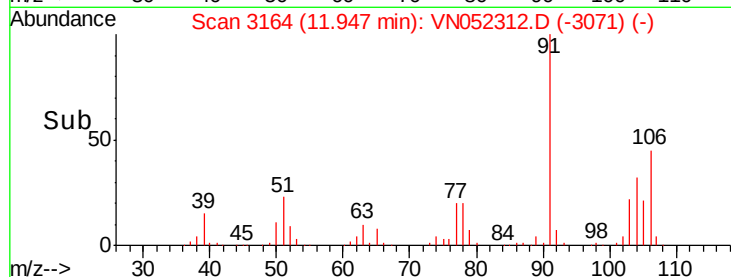
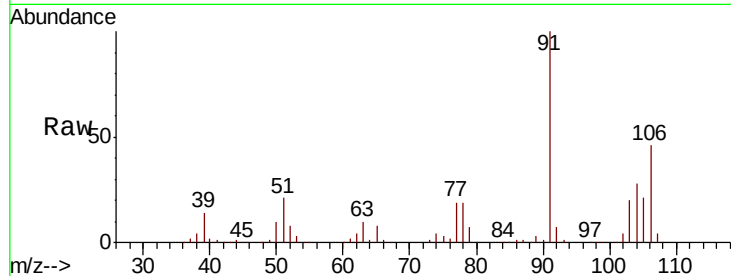
#69
o-Xylene
Concen: 20.081 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

Tot Ion:106 Resp: 109442
Ion Ratio Lower Upper
106 100
91 221.2 110.0 330.0

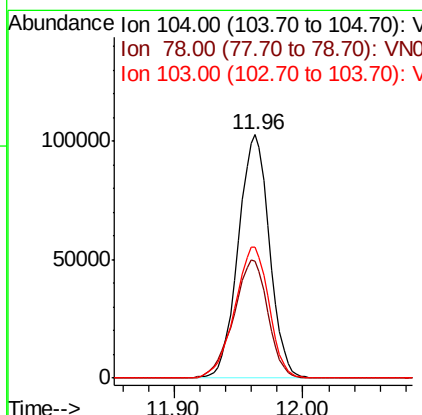
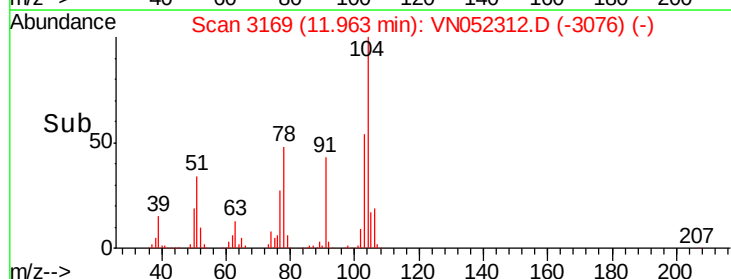
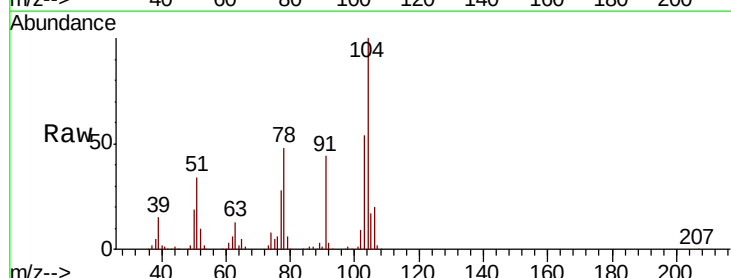
Manual Integrations
APPROVED

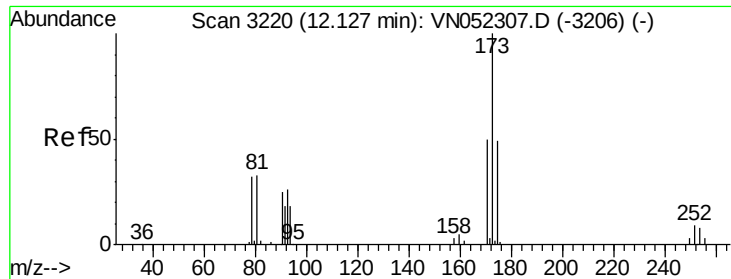
MMDadoda
11/20/2018 2:53:45 PM



#70
Styrene
Concen: 19.778 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Tgt Ion:104 Resp: 172594
Ion Ratio Lower Upper
104 100
78 53.2 42.7 64.1
103 59.1 45.4 68.0





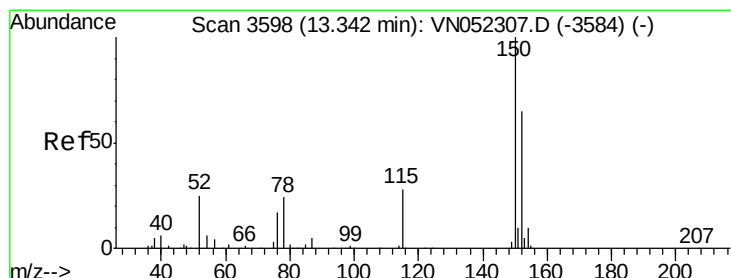
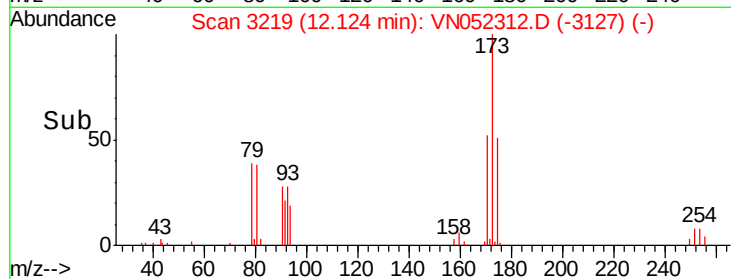
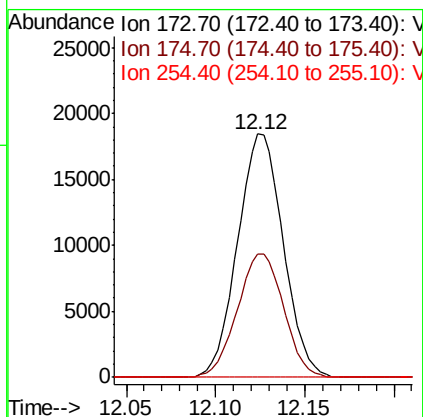
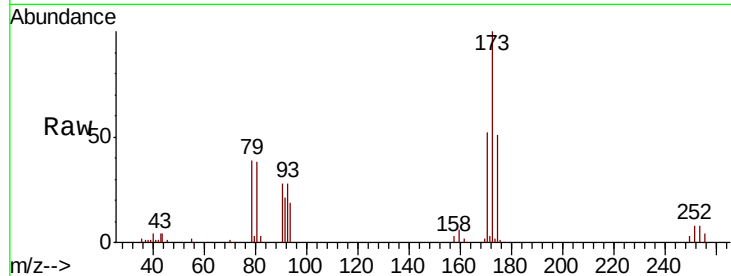
#71
Bromoform
Concen: 18.256 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.3	25.0	75.0
254	0.0	0.0	0.0

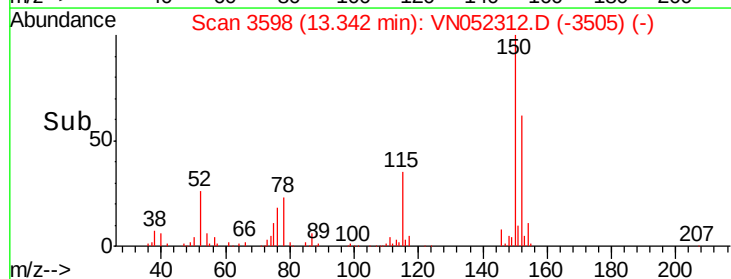
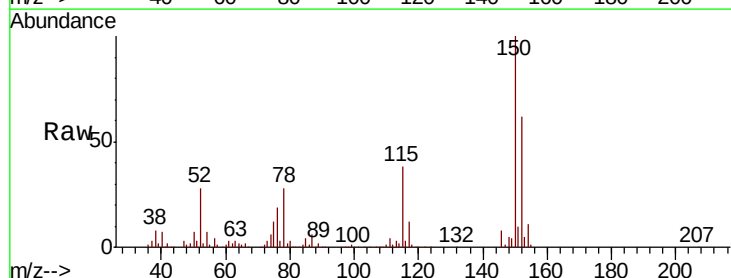
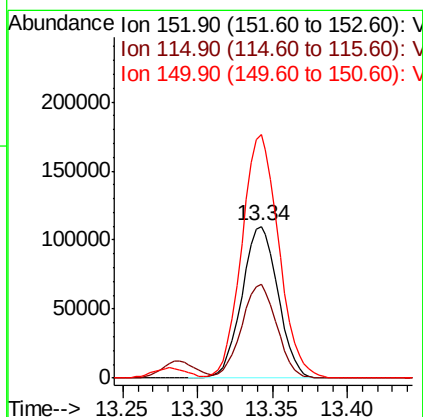
Manual Integrations
APPROVED

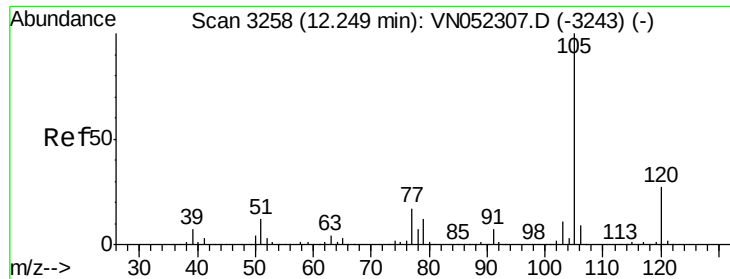
MMDadoda
11/20/2018 2:53:45 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.3	91.0
150	164.4	0.0	348.2





#73

Isopropylbenzene

Concen: 19.960 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN052312.D

Acq: 14 Nov 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBS01

Tot Ion: 105 Resp: 295956

Ion Ratio Lower Upper

105 100

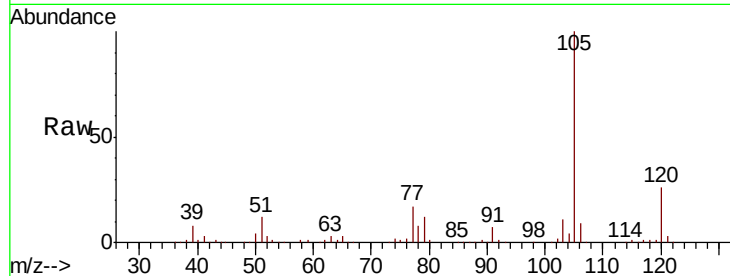
120 26.3 13.4 40.1

Manual Integrations

APPROVED

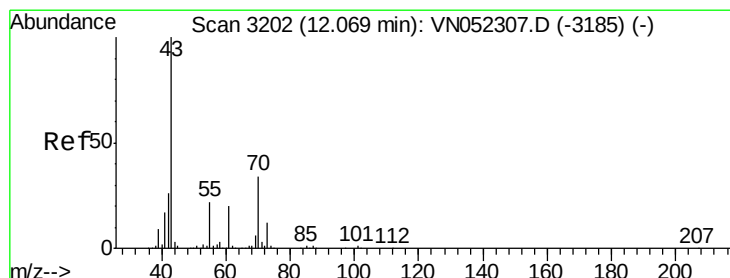
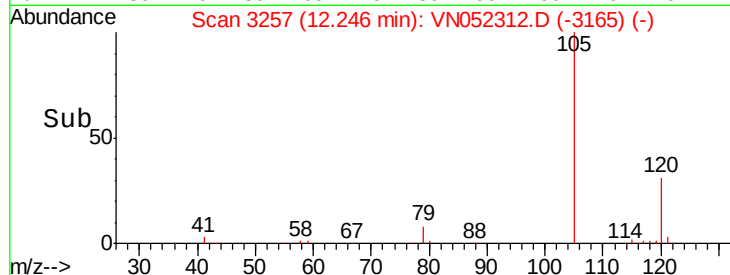
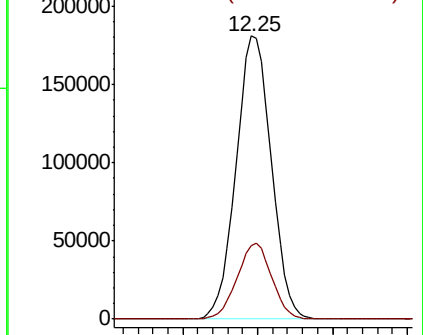
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.204 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN052312.D

Acq: 14 Nov 2018 14:55

Tgt Ion: 43 Resp: 101420

Ion Ratio Lower Upper

43 100

70 35.9 27.1 40.7

55 22.9 17.4 26.0

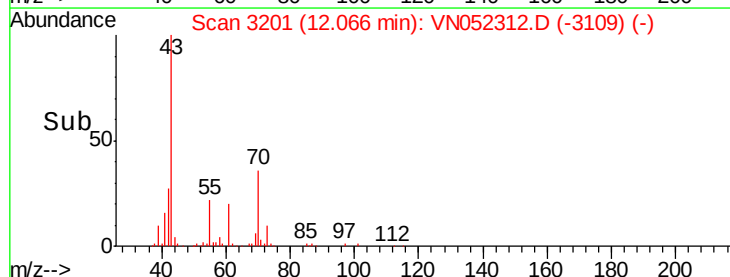
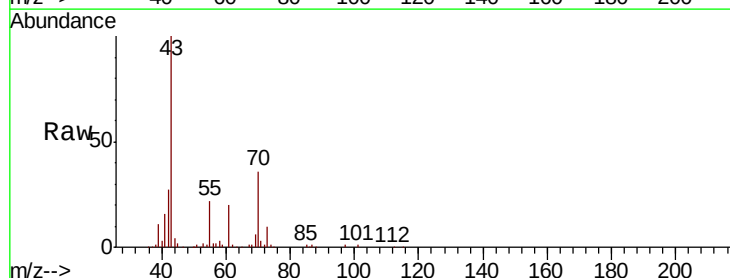
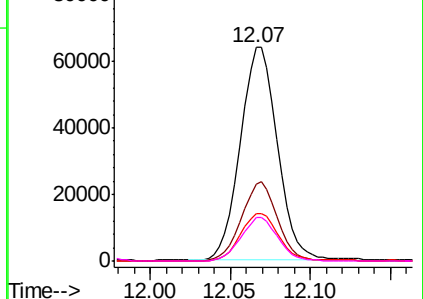
61 20.2 16.1 24.1

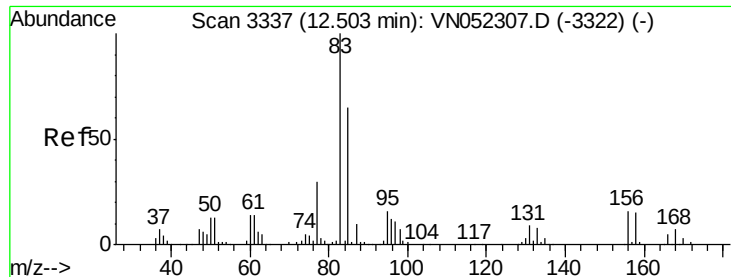
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.007 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052312.D

Acq: 14 Nov 2018 14:55

Instrument :

MSVOA_N

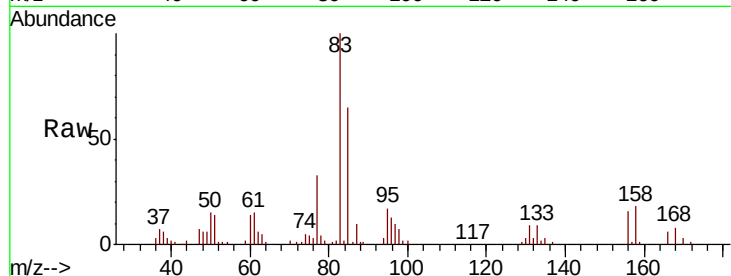
ClientSampleId :

VN1114WBS01

Tot Ion:	83	Resp:	68127
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.1
85	64.3	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:53:45 PM



Abundance Ion 82.90 (82.60 to 83.60): VN052312.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN052312.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN052312.D (-3244) (-)

Time-->

12.50

40000

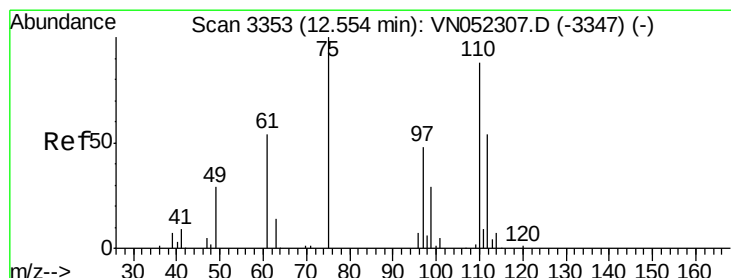
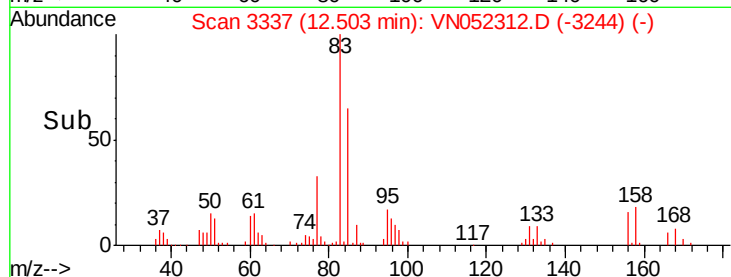
30000

20000

10000

0

12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 19.586 ug/l m

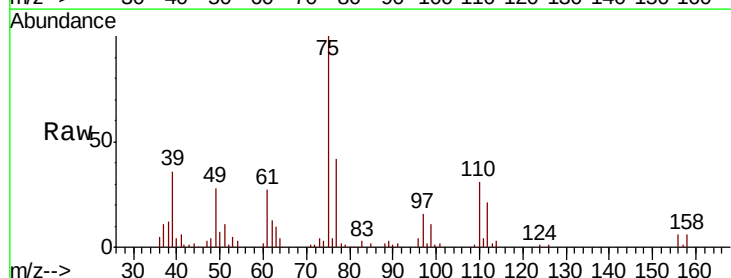
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN052312.D

Acq: 14 Nov 2018 14:55

Tgt Ion:	75	Resp:	61291
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052312.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN052312.D (-3260) (-)

Time-->

12.55

80000

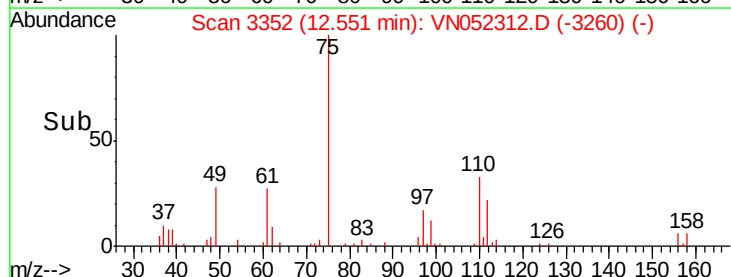
60000

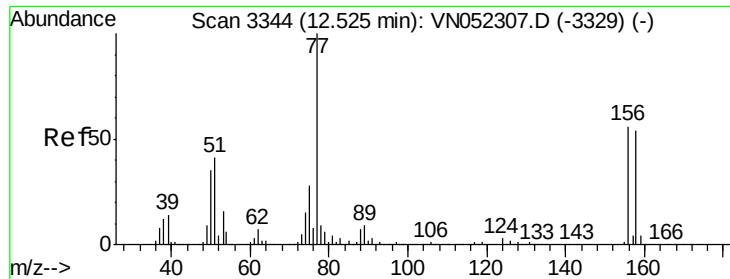
40000

20000

0

12.55





#77

Bromobenzene

Concen: 19.628 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN052312.D

Acq: 14 Nov 2018 14:55

Instrument :

MSVOA_N

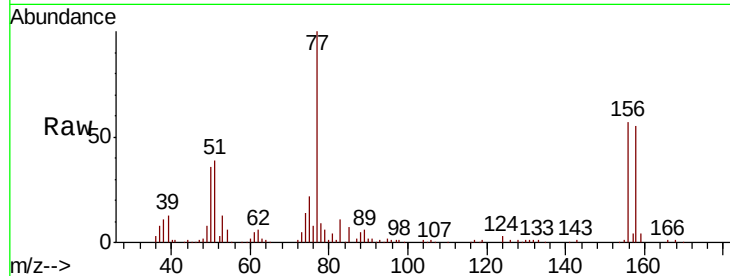
ClientSampleId :

VN1114WBS01

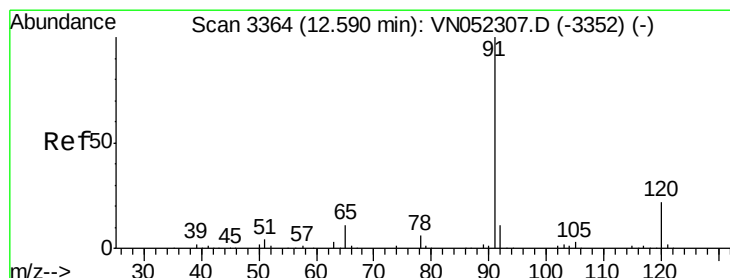
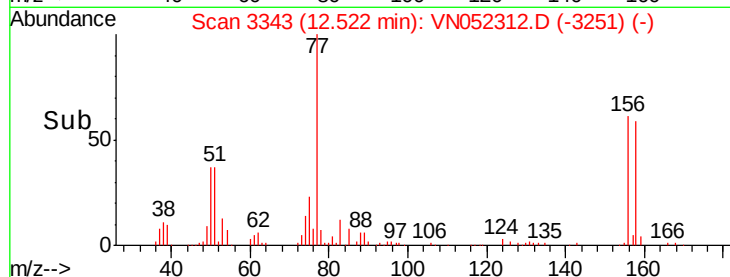
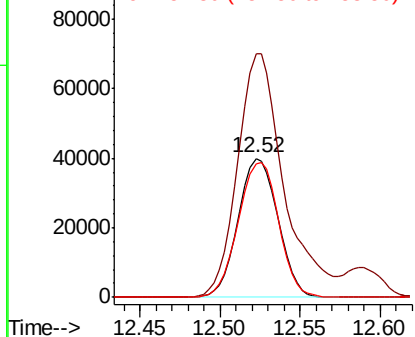
Tot Ion:	156	Resp:	67715
Ion Ratio	Lower	Upper	
156	100		
77	205.5	103.6	310.9
158	98.7	48.1	144.4

Manual Integrations
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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: 20.068 ug/l

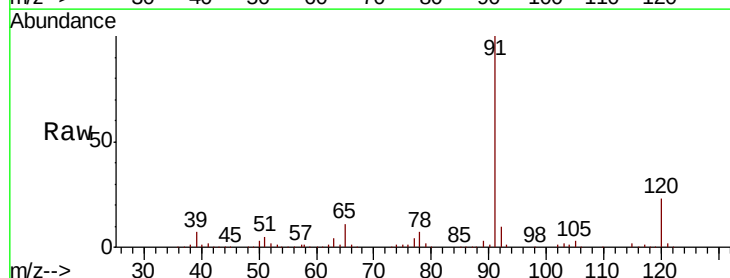
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

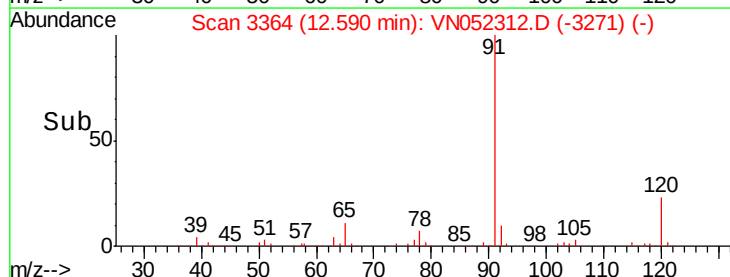
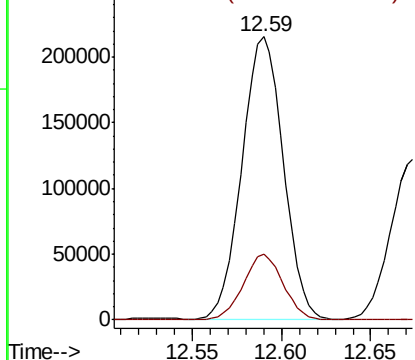
Lab File: VN052312.D

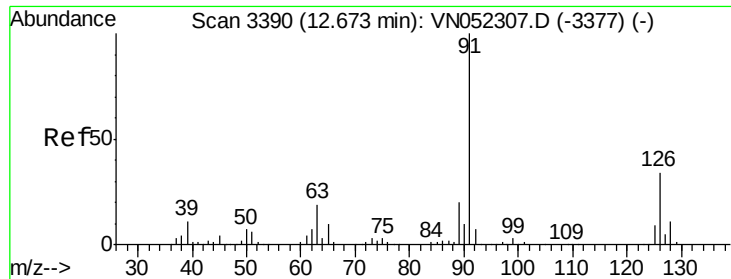
Acq: 14 Nov 2018 14:55

Tgt Ion:	91	Resp:	347996
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.1	33.1



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





#79

2-Chlorotoluene

Concen: 20.039 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052312.D

Acq: 14 Nov 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBS01

Tot Ion: 91 Resp: 202995

Ion Ratio Lower Upper

91 100

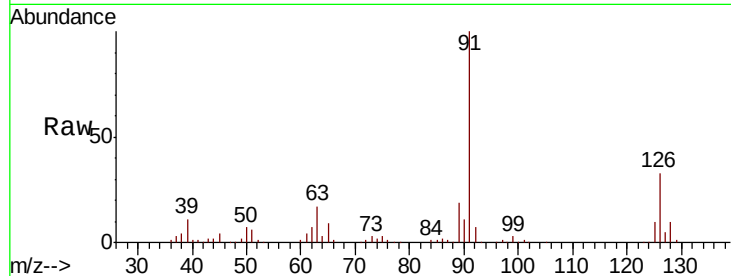
126 34.0 17.0 51.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052312.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN052312.D (-3297) (-)

200000

150000

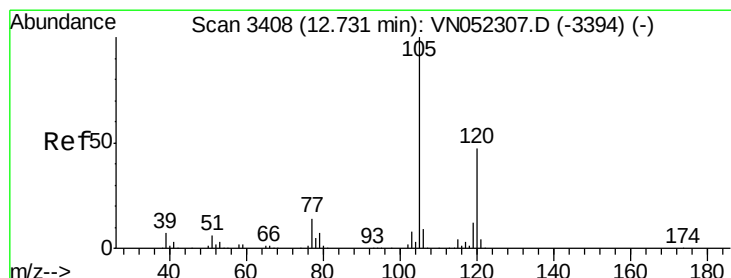
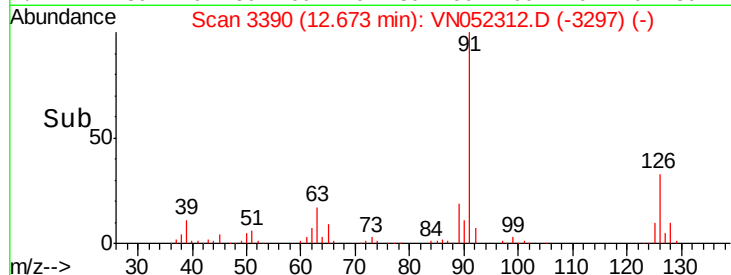
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.516 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052312.D

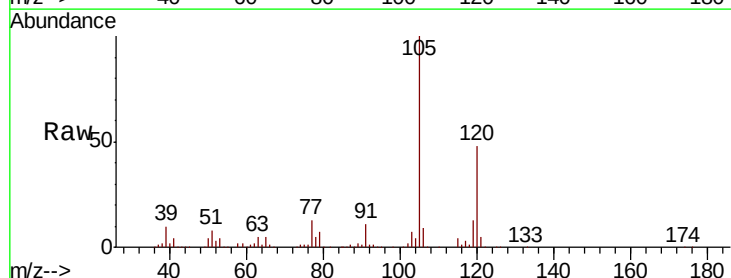
Acq: 14 Nov 2018 14:55

Tgt Ion: 105 Resp: 241913

Ion Ratio Lower Upper

105 100

120 47.8 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052312.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN052312.D (-3315) (-)

150000

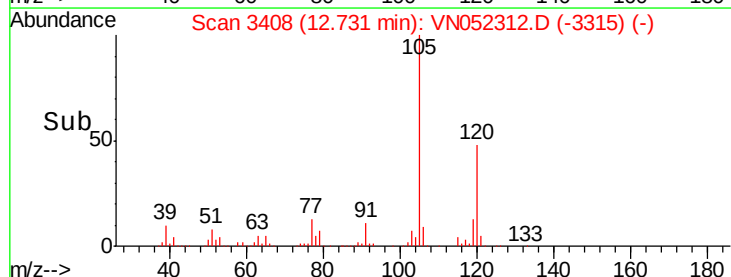
100000

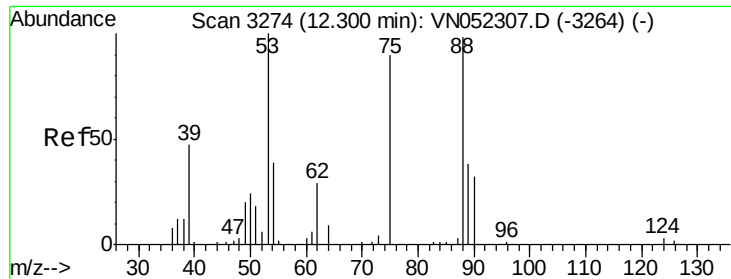
50000

0

12.65 12.70 12.75 12.80

Time-->





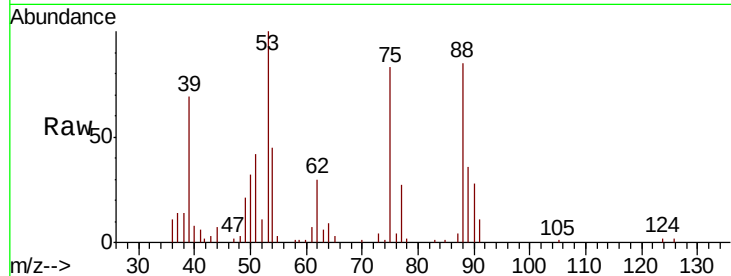
#81
trans-1,4-Dichloro-2-butene
Concen: 17.763 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	124.7	90.2	135.2
89	47.1	35.4	53.0

Manual Integrations
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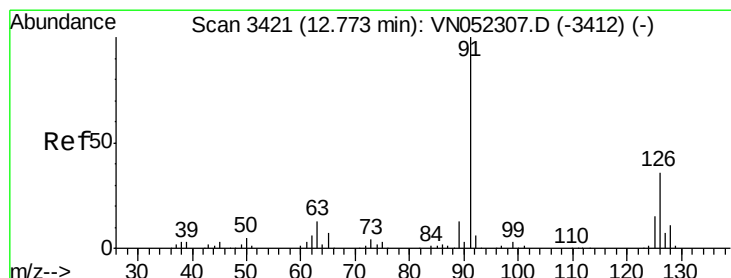
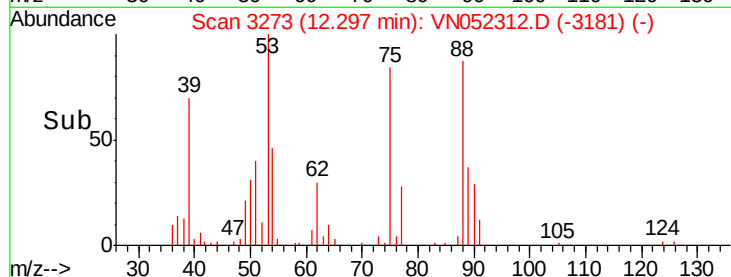
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

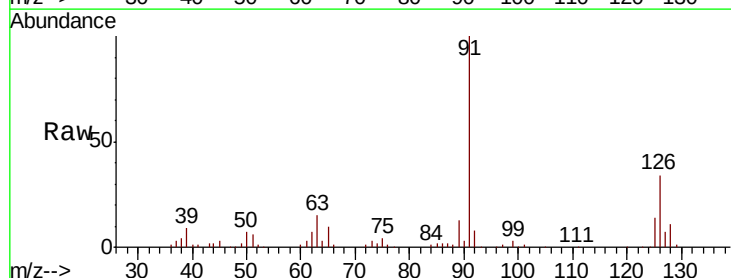
Ion 88.90 (88.60 to 89.60): VN0

Time-->



#82
4-Chlorotoluene
Concen: 19.278 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.0	50.9

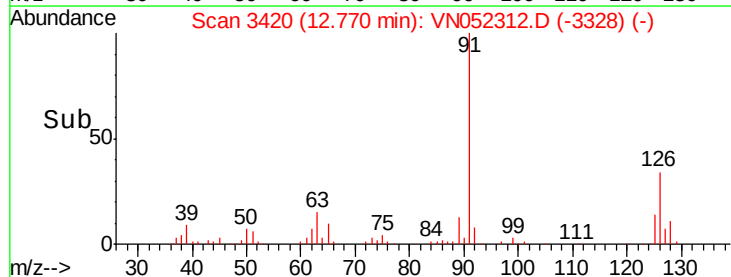


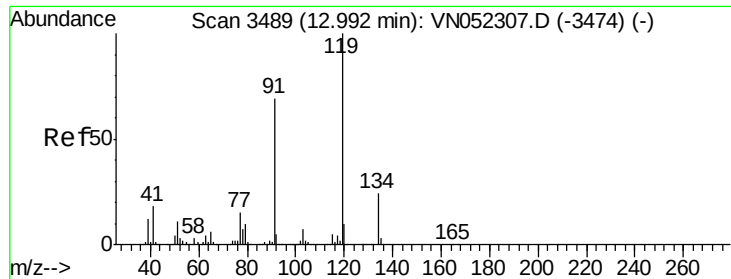
Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

Time-->





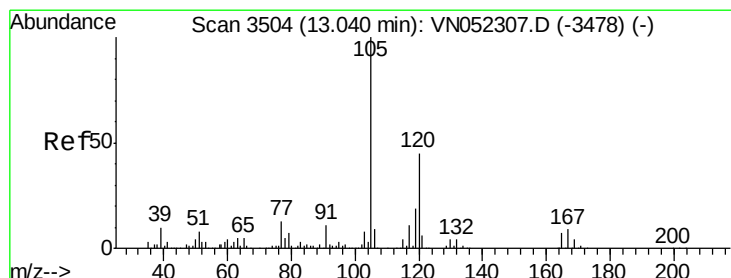
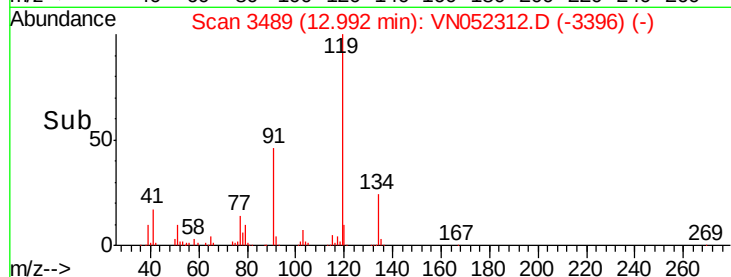
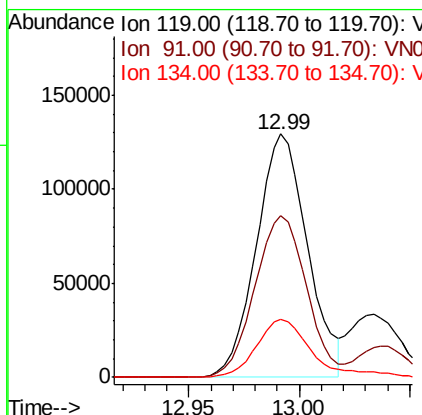
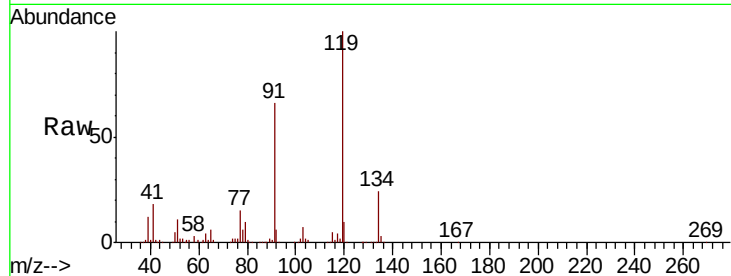
#83
 tert-Butylbenzene
 Concen: 20.074 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	33.8	101.3
134	25.8	11.9	35.9

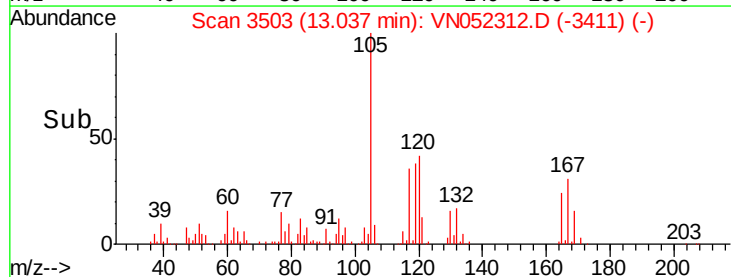
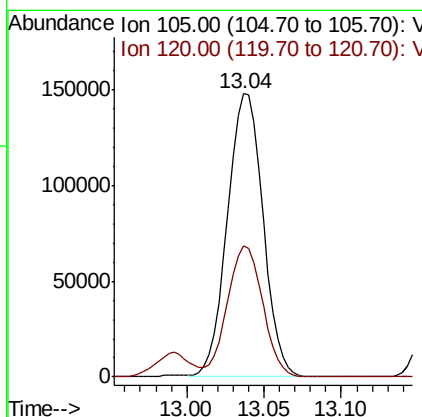
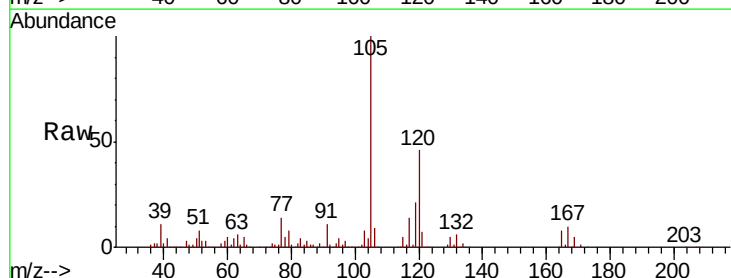
Manual Integrations
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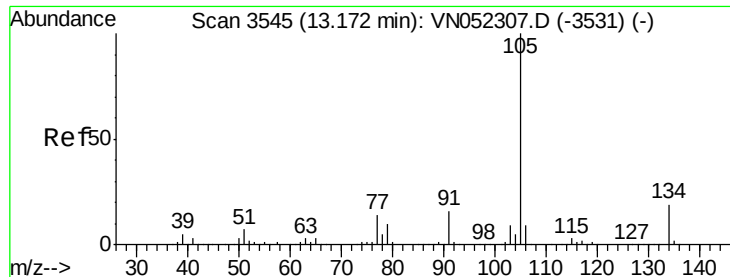
MMDadoda
 11/20/2018 2:53:45 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.018 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.5	67.5





#85

sec-Butylbenzene

Concen: 20.439 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052312.D

Acq: 14 Nov 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBS01

Tot Ion:105 Resp: 289834

Ion Ratio Lower Upper

105 100

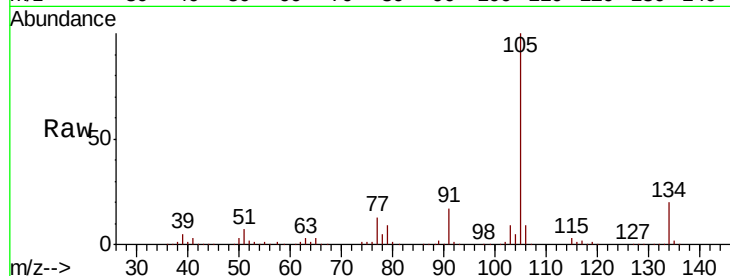
134 19.6 9.5 28.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

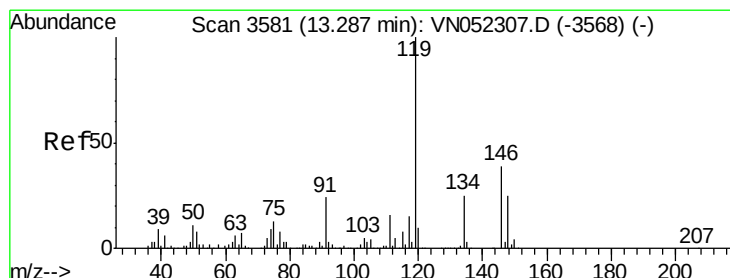
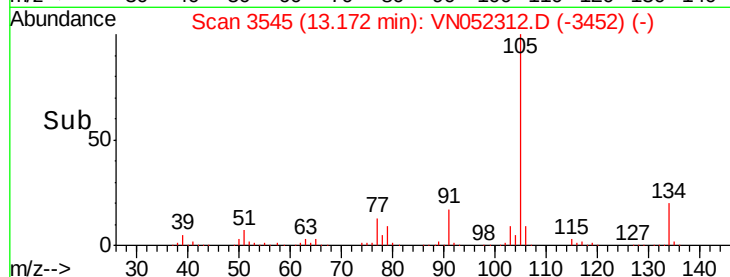
100000

50000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 20.163 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052312.D

Acq: 14 Nov 2018 14:55

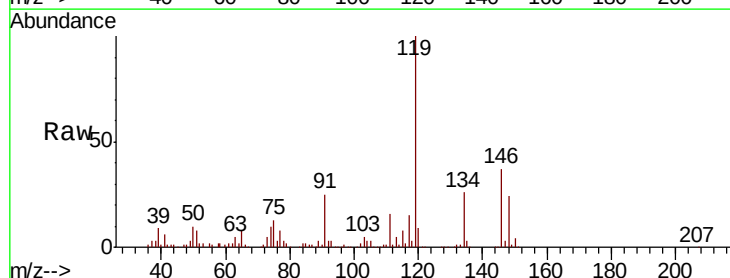
Tgt Ion:119 Resp: 242203

Ion Ratio Lower Upper

119 100

134 26.4 13.0 38.9

91 24.8 12.4 37.0



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

200000

150000

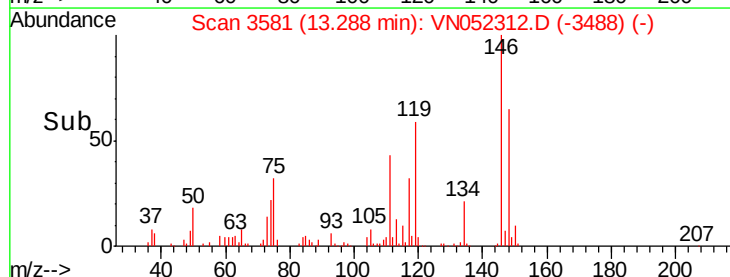
100000

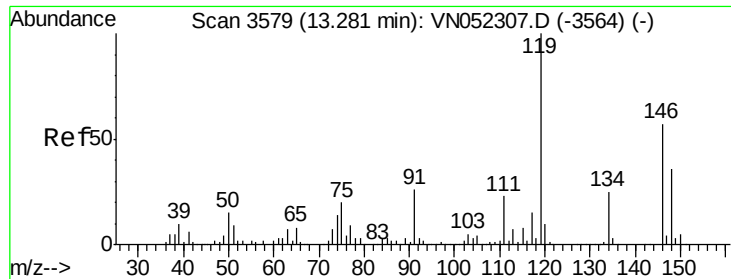
50000

0

13.20 13.25 13.30 13.35

Time-->





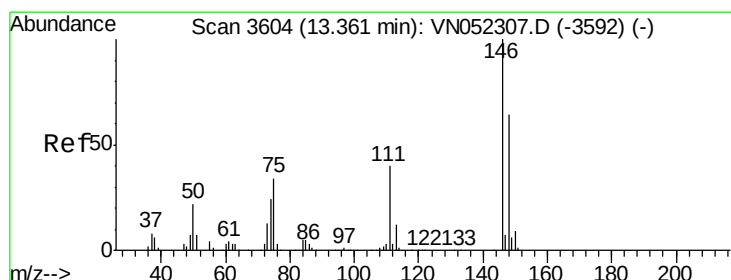
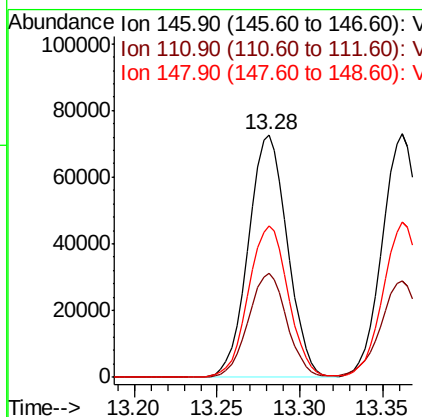
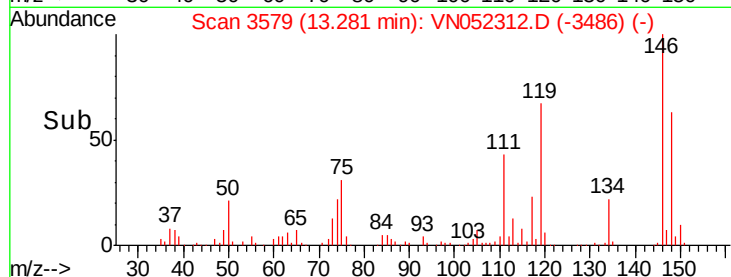
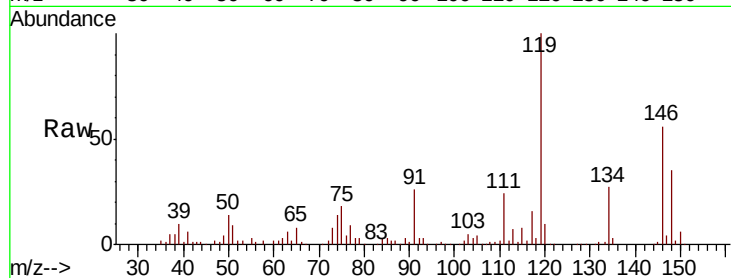
#87
 1,3-Dichlorobenzene
 Concen: 19.485 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.3	61.0
148	63.8	31.8	95.4

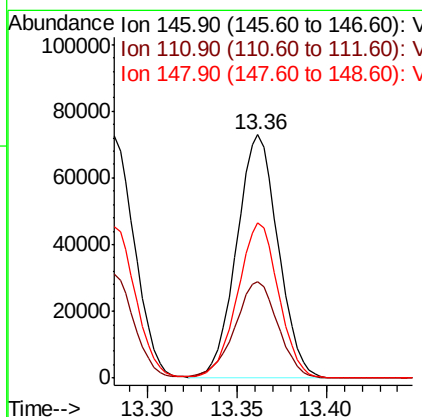
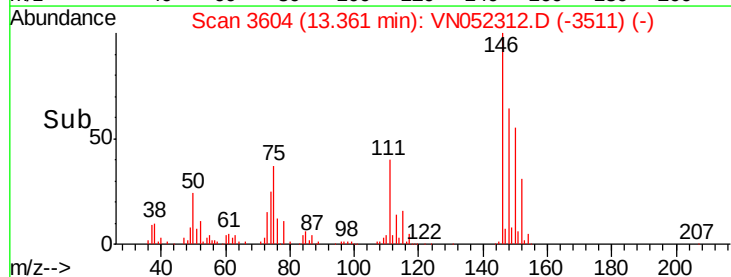
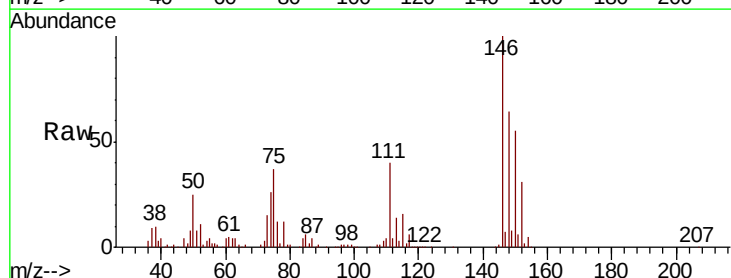
Manual Integrations
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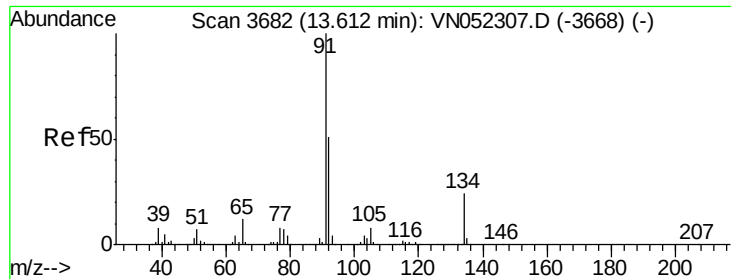
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 11/20/2018 2:53:45 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.537 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.6	61.8
148	63.1	32.4	97.2





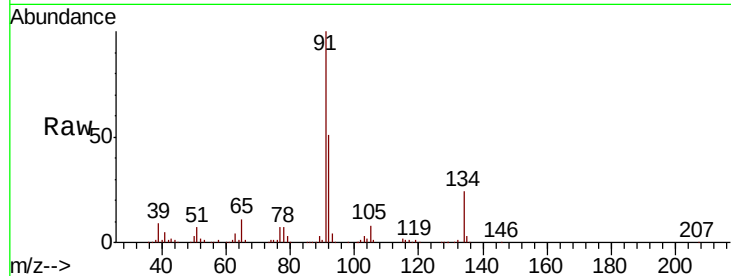
#89
n-Butylbenzene
Concen: 20.664 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	25.4	76.2
134	24.0	12.2	36.4

Manual Integrations
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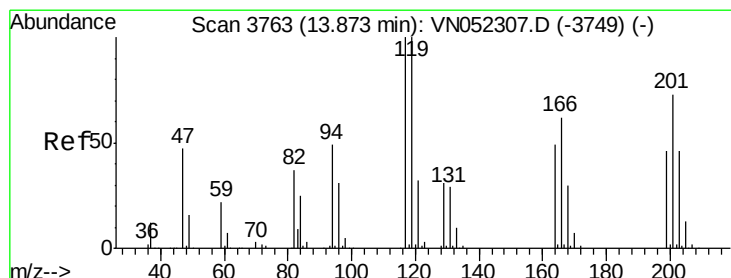
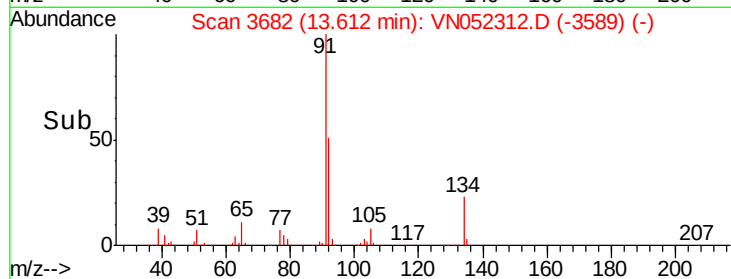
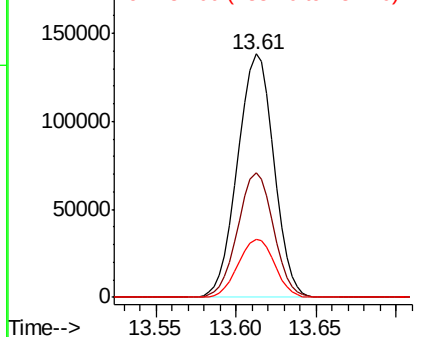


Abundance

Ion 91.00 (90.70 to 91.70): VN052312.D (-3589) (-)

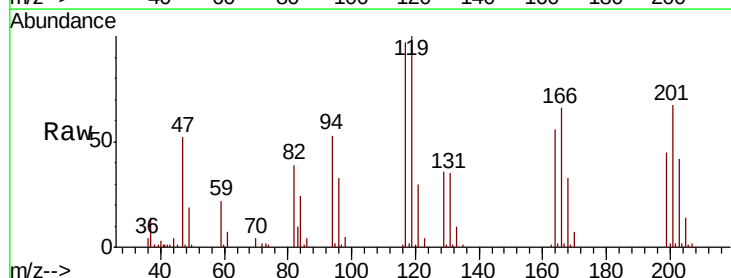
Ion 92.00 (91.70 to 92.70): VN052312.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN052312.D (-3589) (-)



#90
Hexachloroethane
Concen: 18.580 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

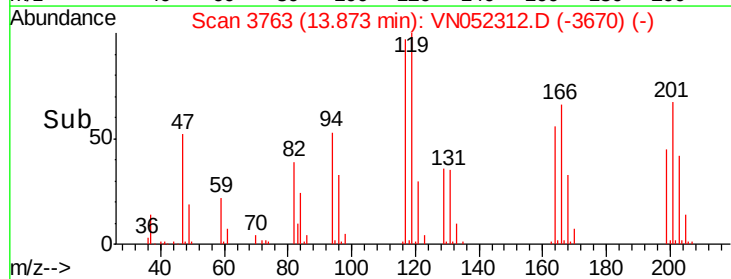
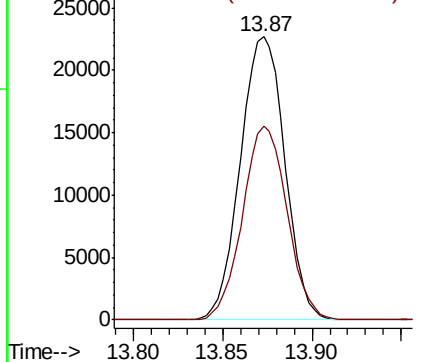
Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.4	35.3	105.9

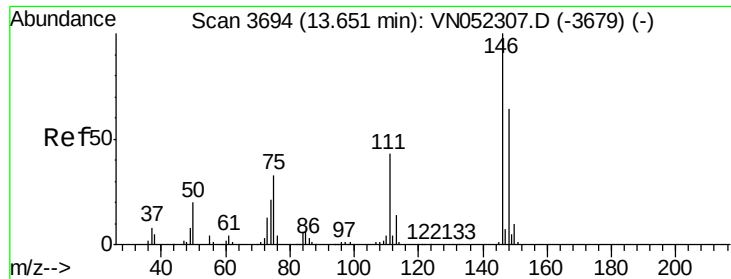


Abundance

Ion 116.80 (116.50 to 117.50): VN052312.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN052312.D (-3670) (-)





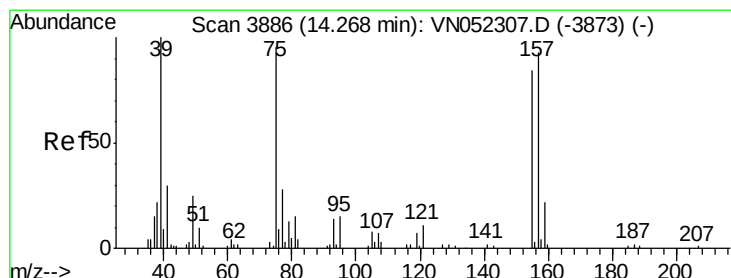
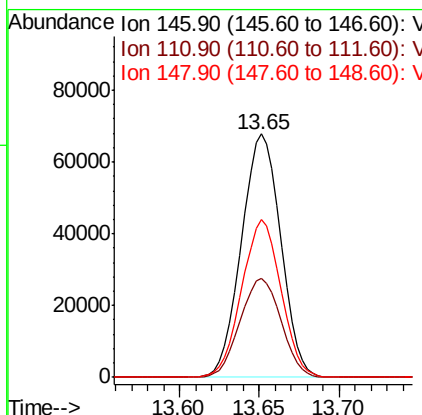
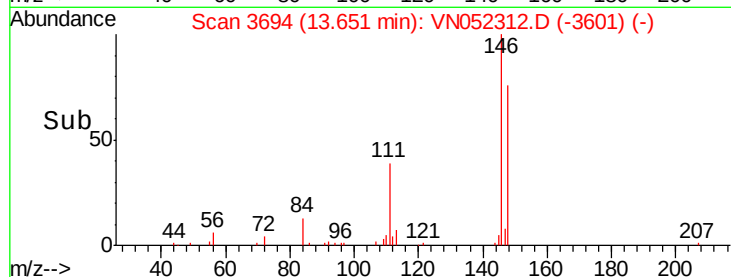
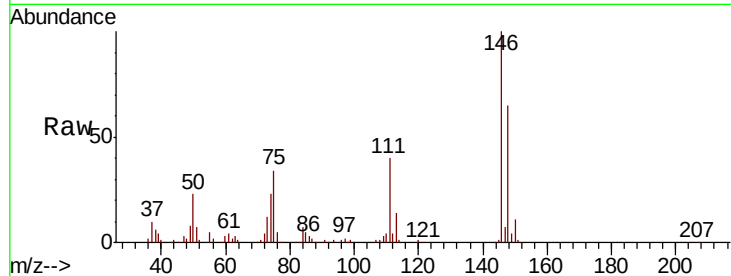
#91
 1,2-Dichlorobenzene
 Concen: 19.204 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	63.9
148	64.8	31.6	94.8

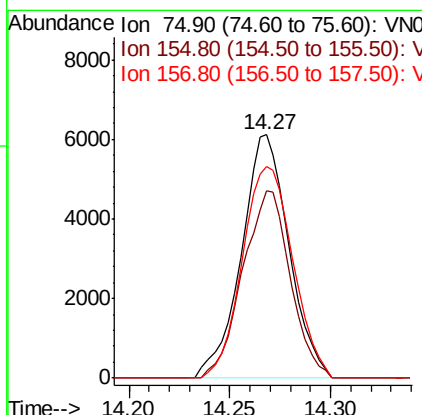
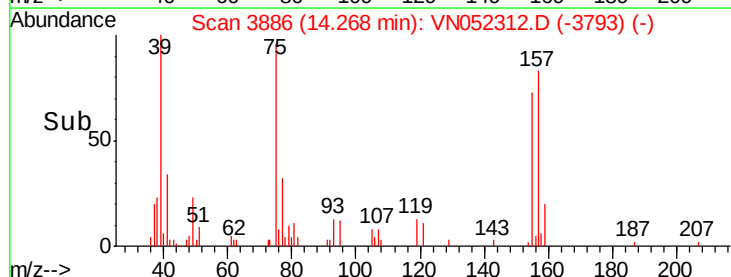
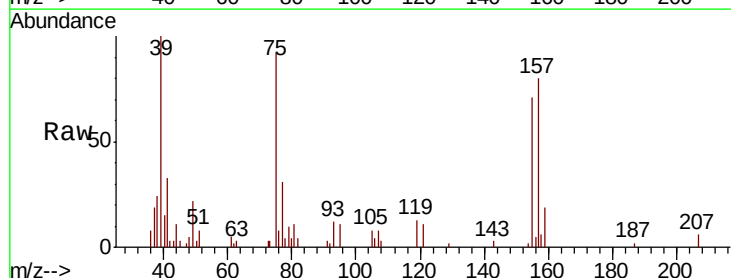
Manual Integrations
 APPROVED

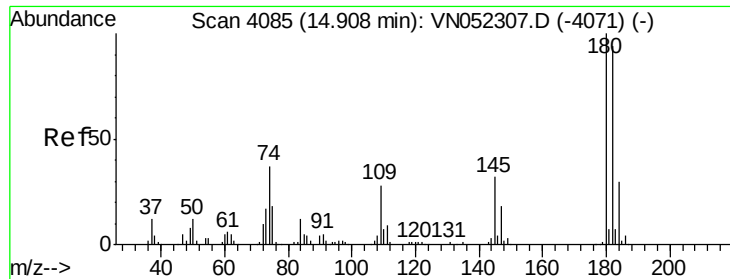
MMDadoda
 11/20/2018 2:53:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.088 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052312.D
 Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.9	42.4	127.3
157	92.0	49.6	149.0





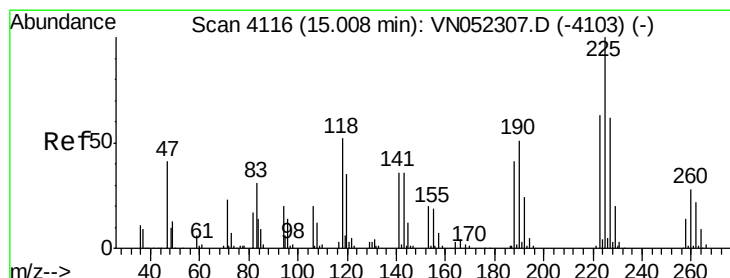
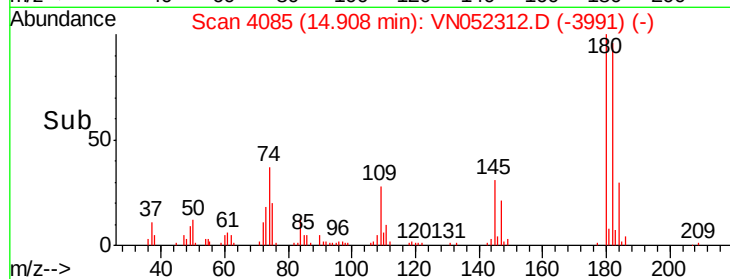
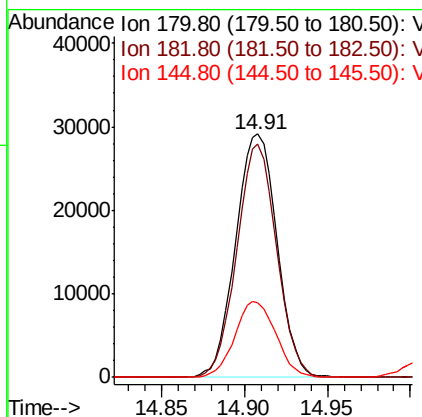
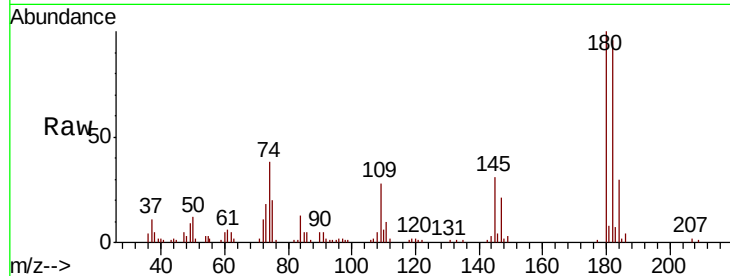
#93
1,2,4-Trichlorobenzene
Concen: 19.710 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.6	142.9
145	30.7	15.5	46.5

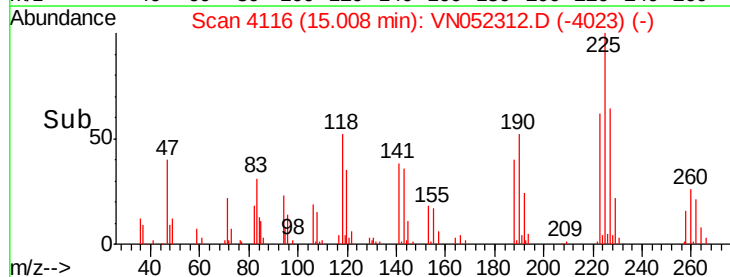
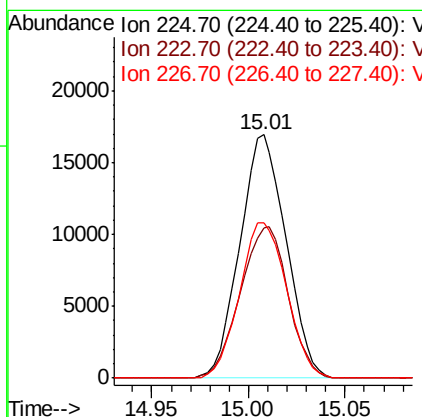
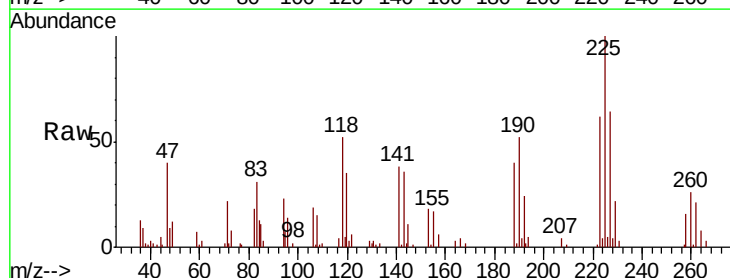
Manual Integrations
APPROVED

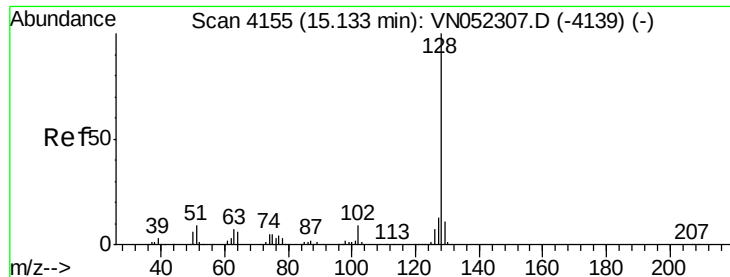
MMDadoda
11/20/2018 2:53:45 PM



#94
Hexachlorobutadiene
Concen: 20.693 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.9	95.5
227	65.2	31.6	95.0





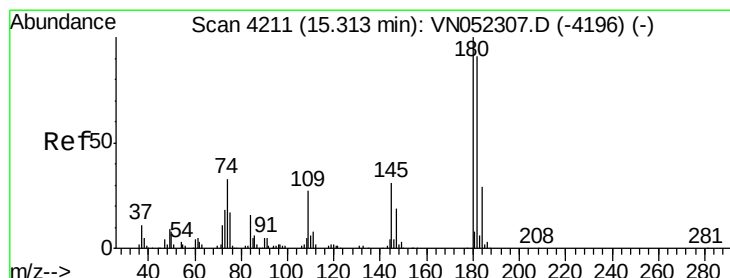
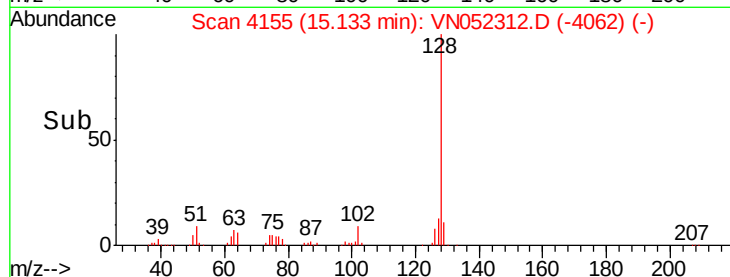
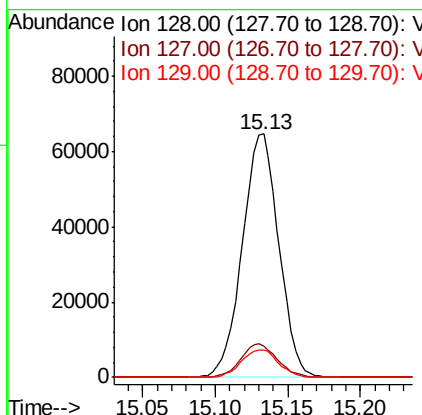
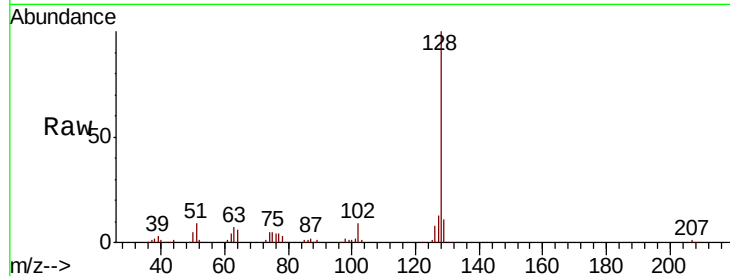
#95
Naphthalene
Concen: 19.063 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	11.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:53:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.041 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN052312.D
Acq: 14 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.5	139.3
145	34.2	16.4	49.2

