

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052355.D
 Acq On : 16 Nov 2018 11:01
 Operator : MD\SY
 Sample : VN1116WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/19/2018 12:45:52 PM

Quant Time: Nov 16 23:15:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	42664	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	249399	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	220557	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	110681	34.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	116.50%
60) 4-Bromofluorobenzene	12.40	95	105436	29.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.60%
63) Toluene-d8	10.09	98	310724	29.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	61368	21.537 ug/l	98
3) Chloromethane	2.06	50	65886	20.231 ug/l	100
4) Vinyl Chloride	2.19	62	57258	17.923 ug/l	98
5) Bromomethane	2.57	94	33569	15.394 ug/l	98
6) Chloroethane	2.71	64	32833	16.073 ug/l	99
7) Trichlorofluoromethane	3.02	101	86195	19.924 ug/l	99
8) Diethyl Ether	3.41	74	30701	21.018 ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.76	101	53311	21.084 ug/l	97
10) 1,1-Dichloroethene	3.74	96	44657	18.928 ug/l	99
11) Methyl Iodide	3.96	142	61208	17.943 ug/l	100
12) Methyl Acetate	4.33	43	54145	27.265 ug/l	95
13) Acrolein	3.61	56	16144	76.643 ug/l	91
14) Acrylonitrile	4.99	53	98944	112.351 ug/l	98
15) Acetone	3.82	58	28324m	136.081 ug/l	
16) Carbon Disulfide	4.06	76	113506	16.293 ug/l	98
17) Allyl chloride	4.33	41	87464	21.834 ug/l	93
18) Methylene Chloride	4.55	84	55117	18.926 ug/l #	82
19) trans-1,2-Dichloroethene	5.05	96	48639	18.815 ug/l	97
20) Diisopropyl ether	5.95	45	207834	23.875 ug/l	95
21) 1,1-Dichloroethane	5.85	63	106597	20.954 ug/l	97
22) cis-1,2-Dichloroethene	6.83	96	55683	18.446 ug/l	88
23) tert-Butyl Alcohol	4.77	59	19307m	140.707 ug/l	
24) Methyl tert-Butyl Ether	5.05	73	141259	21.119 ug/l	92
25) Chloroform	7.37	83	102470	20.060 ug/l	97
26) Cyclohexane	7.66	56	88885	19.491 ug/l #	91
29) 1,1-Dichloropropene	7.80	75	75135	18.976 ug/l	99
30) 2-Butanone	6.84	43	139931	132.703 ug/l #	82
31) 2,2-Dichloropropane	6.82	77	80536	19.745 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	84797	19.140 ug/l	95
33) Carbon Tetrachloride	7.77	117	76302	19.366 ug/l	98
34) Benzene	8.04	78	219943	18.971 ug/l	95
35) Methacrylonitrile	7.17	41	27280	18.862 ug/l #	71
36) 1,2-Dichloroethane	8.13	62	83912	21.647 ug/l	98
37) Trichloroethene	8.84	130	55209	19.026 ug/l	97
38) Methylcyclohexane	9.08	83	84541	17.503 ug/l	94
39) 1,2-Dichloropropane	9.12	63	63210	20.481 ug/l	95
40) Dibromomethane	9.21	93	37015	19.458 ug/l	95

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
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Manual Integrations
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Quant Time: Nov 16 23:15:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	79315	20.378	ug/l	97
42) Vinyl Acetate	5.90	43	689584	111.708	ug/l	96
43) Ethyl Acetate	6.84	43	139931	26.406	ug/l #	86
44) Isopropyl Acetate	8.17	43	108401	24.707	ug/l #	86
45) 1,4-Dioxane	9.20	88	9661	482.680	ug/l #	75
46) Methyl methacrylate	9.20	41	54541	24.973	ug/l	92
47) n-amyl Acetate	12.07	43	90384	22.726	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	77541	20.063	ug/l	94
49) cis-1,3-Dichloropropene	9.84	75	89669	20.101	ug/l #	89
50) 1,1,2-Trichloroethane	10.56	97	48891	19.436	ug/l	93
51) Ethyl methacrylate	10.43	69	65166	20.045	ug/l	78
52) 1,3-Dichloropropane	10.71	76	88179	20.125	ug/l	99
53) Dibromochloromethane	10.90	129	53498	19.700	ug/l	98
54) 1,2-Dibromoethane	11.00	107	48388	18.969	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	193677	108.792	ug/l	99
56) Bromoform	12.12	173	31577	20.132	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	299037	126.529	ug/l	95
59) 2-Hexanone	10.75	43	210468	129.338	ug/l	94
61) Tetrachloroethene	10.63	164	53066	22.123	ug/l	92
62) Toluene	10.16	91	238569	19.269	ug/l	99
64) Chlorobenzene	11.43	112	147115	18.748	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	52520	19.665	ug/l	99
66) Ethyl Benzene	11.51	91	256538	19.182	ug/l	97
67) m/p-Xylenes	11.62	106	189593	36.822	ug/l	97
68) o-Xylene	11.95	106	92939	18.933	ug/l	98
69) Styrene	11.96	104	150661	19.046	ug/l	97
70) Isopropylbenzene	12.25	105	254528	19.315	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	60079	20.727	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	51236m	20.104	ug/l	
73) Bromobenzene	12.53	156	58228	19.941	ug/l	97
74) n-propylbenzene	12.59	91	301975	19.678	ug/l	98
75) 2-Chlorotoluene	12.67	91	177090	20.016	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	210032	19.876	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	15792	19.804	ug/l	87
78) 4-Chlorotoluene	12.77	91	176388	19.798	ug/l	99
79) tert-butylbenzene	12.99	119	179445	19.495	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	211641	20.105	ug/l	99
81) sec-Butylbenzene	13.17	105	251824	19.879	ug/l	99
82) p-Isopropyltoluene	13.29	119	214528	20.039	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	103118	19.965	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	101318	19.815	ug/l	97
85) n-Butylbenzene	13.62	91	188413	20.335	ug/l	98
86) Hexachloroethane	13.87	117	36174	20.024	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	101196	20.622	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	9323	23.522	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	43802	21.989	ug/l	99
90) Hexachlorobutadiene	15.01	225	26064	23.915	ug/l	94
91) Naphthalene	15.13	128	98233	21.395	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	41464	23.883	ug/l	98

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

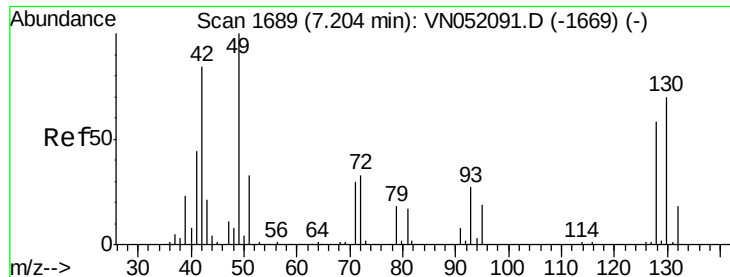
Manual Integrations
APPROVED

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QLast Update : Fri Nov 02 05:39:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



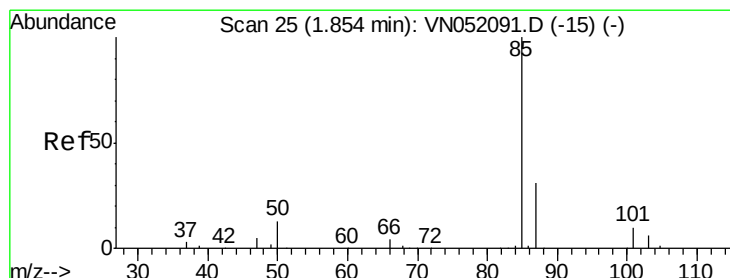
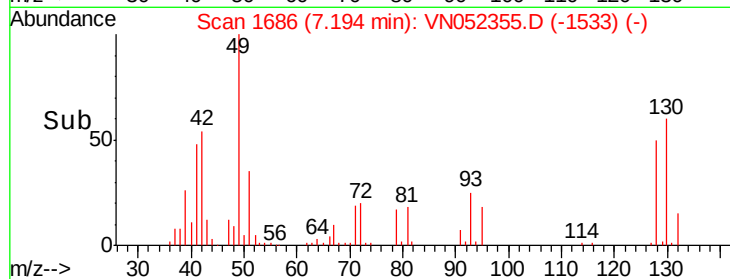
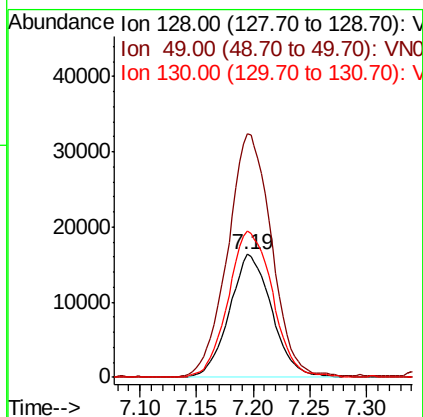
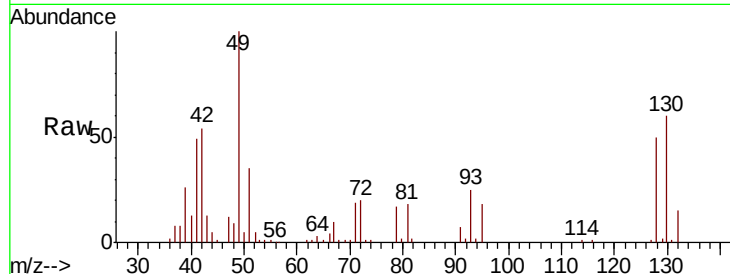
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	203.6	0.0	453.7
130	124.6	0.0	308.8

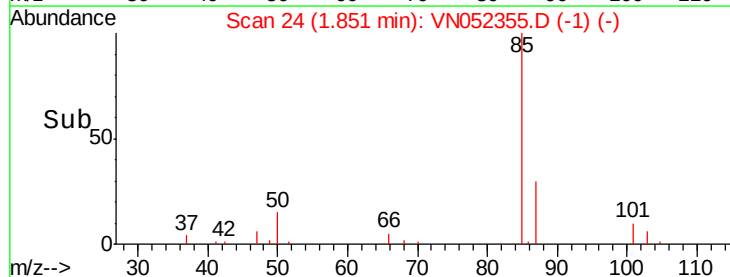
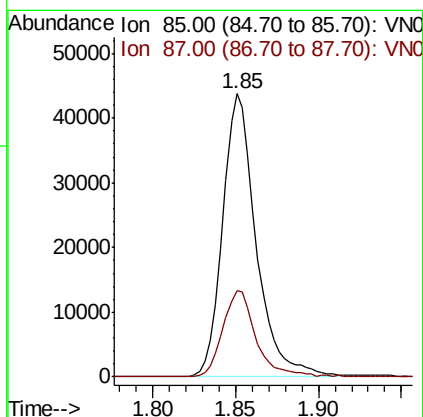
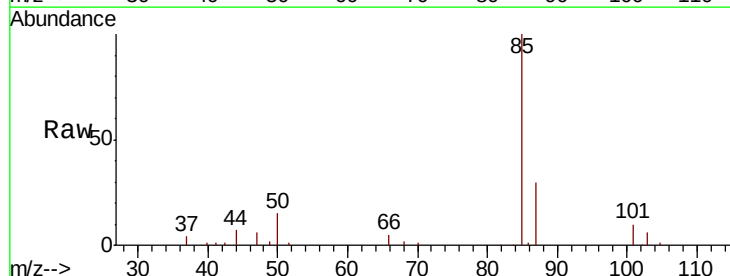
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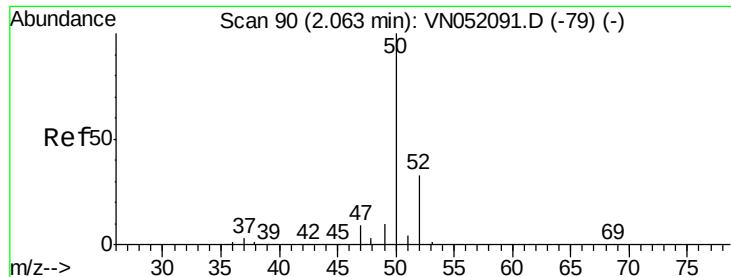
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#2
Dichlorodifluoromethane
Concen: 21.537 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.3	15.7	47.1





#3

Chloromethane

Concen: 20.231 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

Tot Ion: 50 Resp: 65886

Ion Ratio Lower Upper

50 100

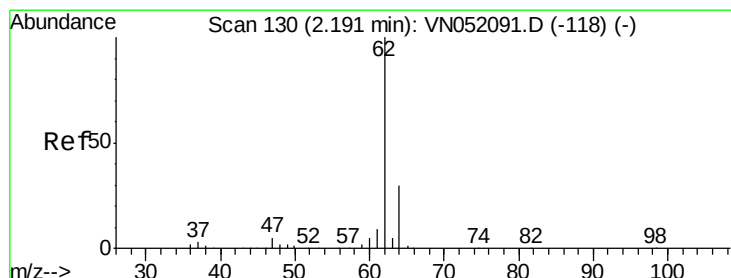
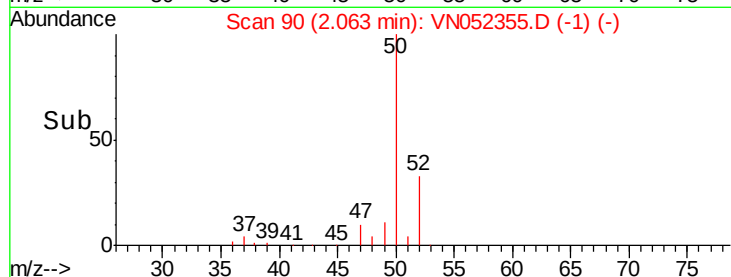
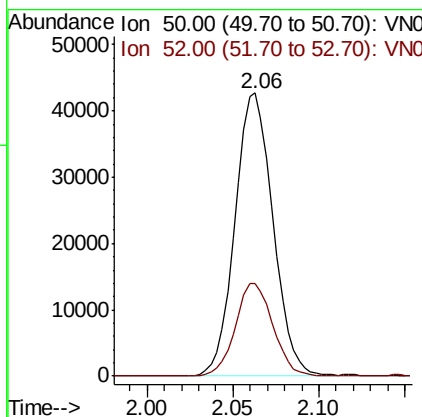
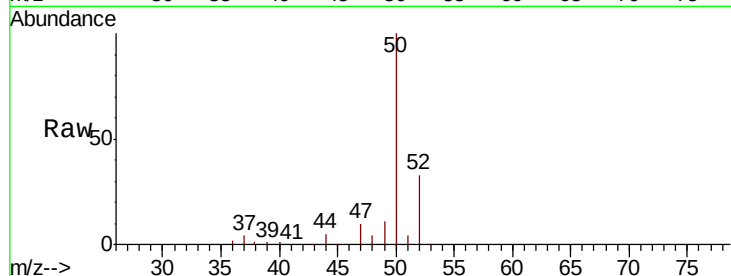
52 32.9 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.923 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052355.D

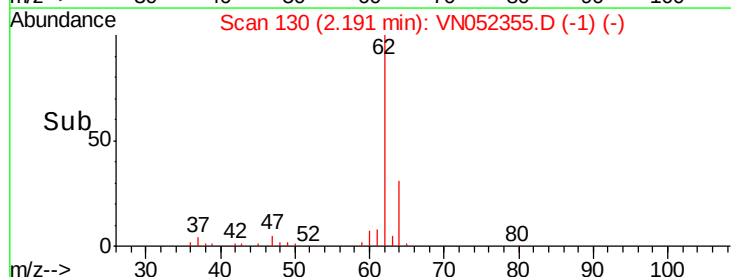
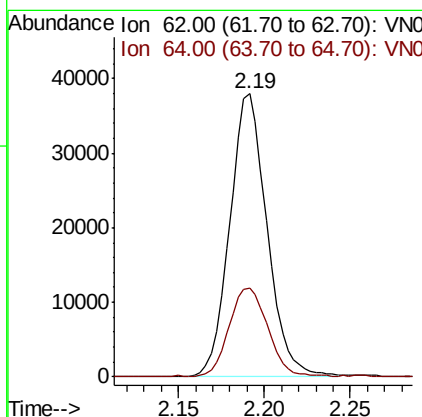
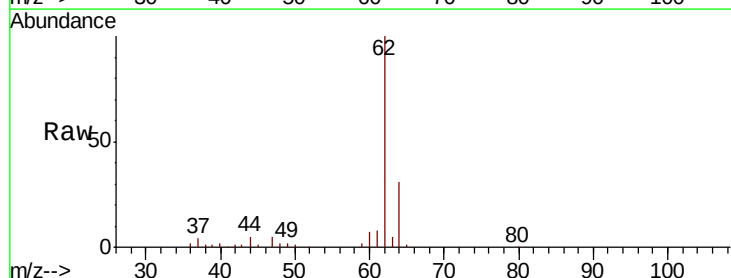
Acq: 16 Nov 2018 11:01

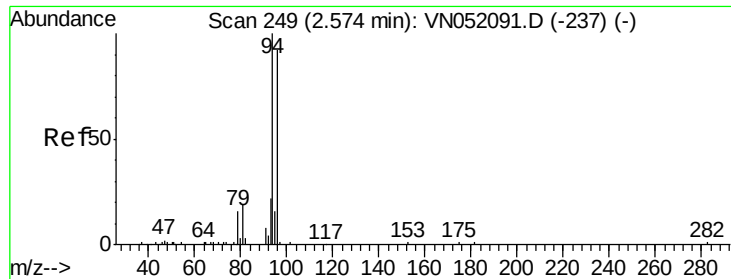
Tgt Ion: 62 Resp: 57258

Ion Ratio Lower Upper

62 100

64 31.3 24.2 36.4





#5

Bromomethane

Concen: 15.394 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

Tot Ion: 94 Resp: 33569

Ion Ratio Lower Upper

94 100

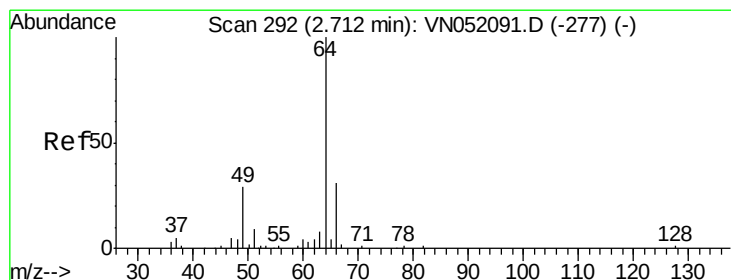
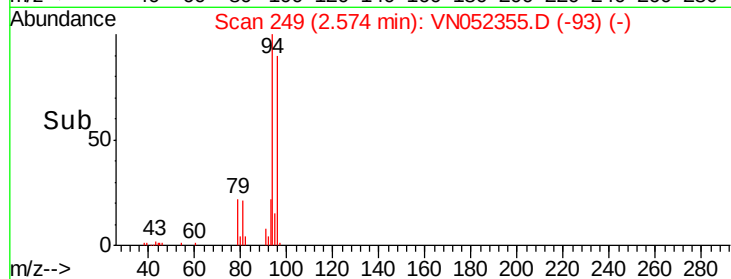
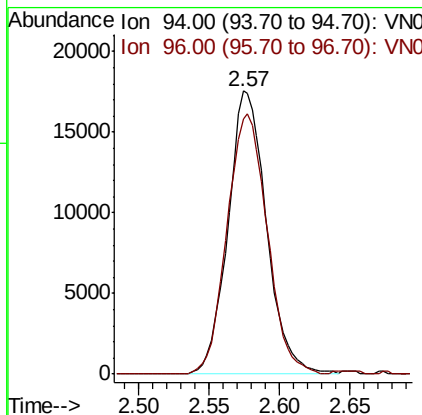
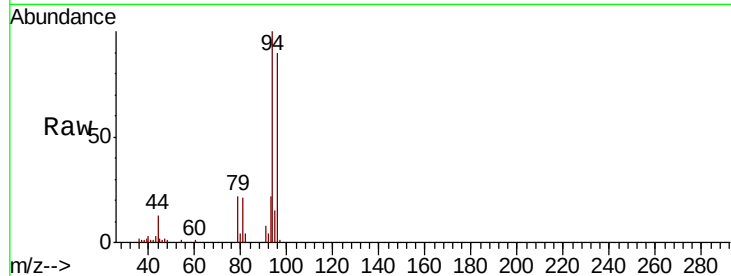
96 90.1 73.4 110.0

Manual Integrations

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#6

Chloroethane

Concen: 16.073 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052355.D

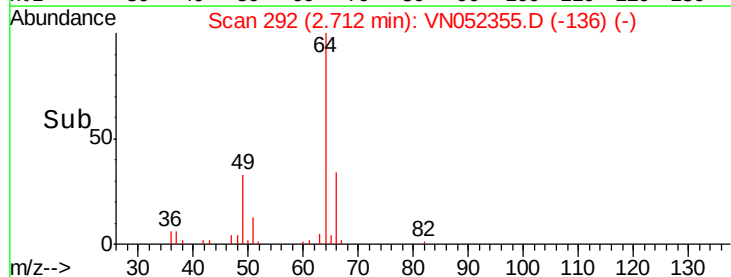
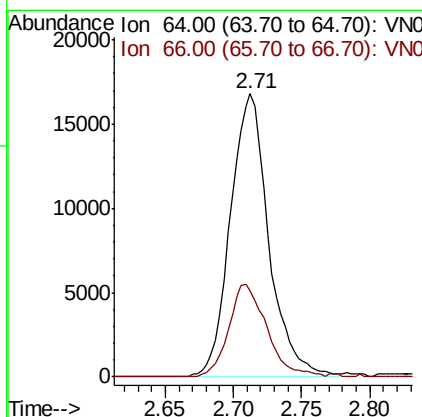
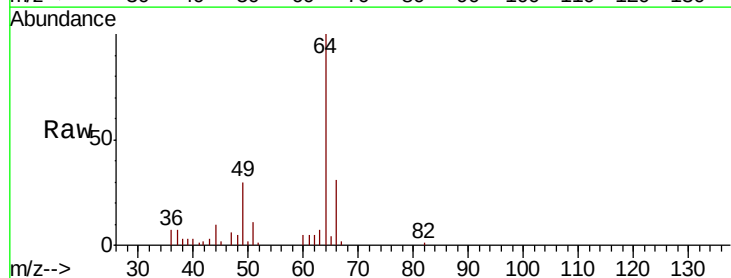
Acq: 16 Nov 2018 11:01

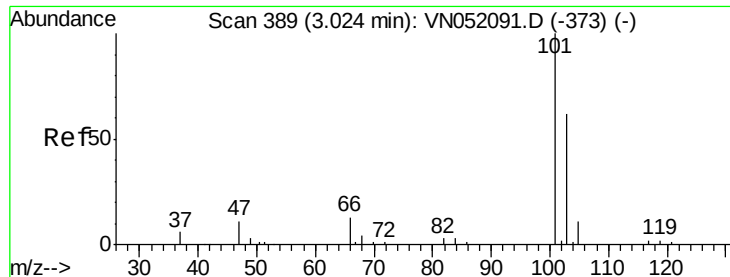
Tgt Ion: 64 Resp: 32833

Ion Ratio Lower Upper

64 100

66 30.6 24.7 37.1





#7

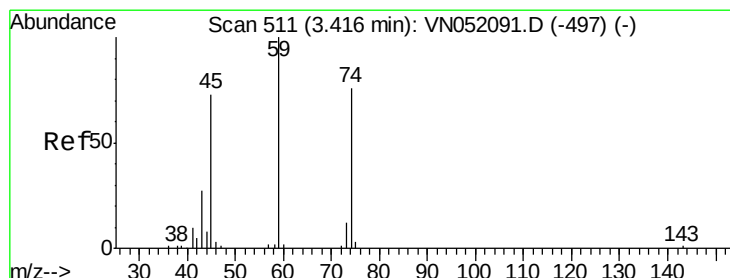
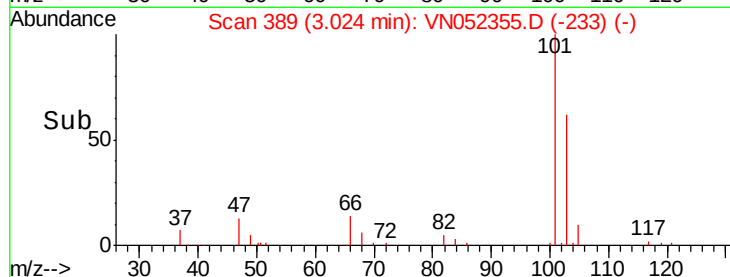
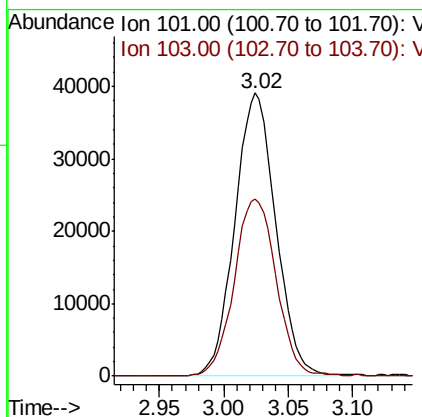
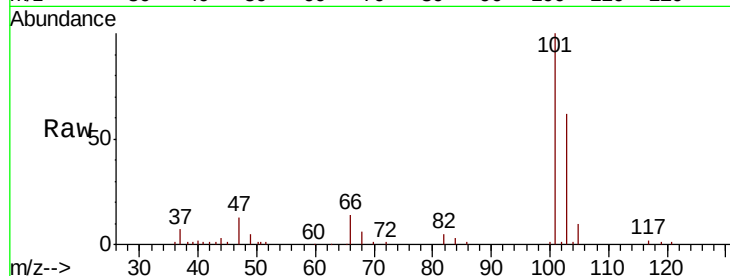
Trichlorofluoromethane
 Concen: 19.924 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	49.5	74.3

Manual Integrations
 APPROVED

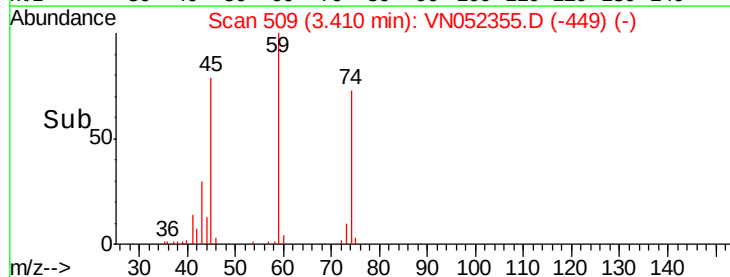
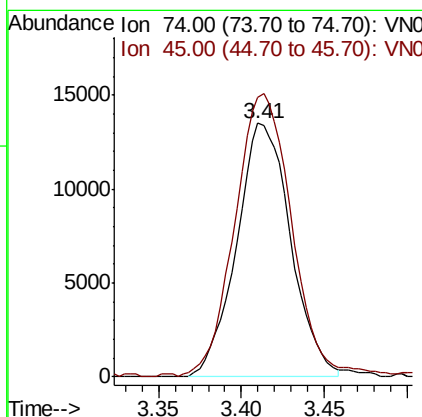
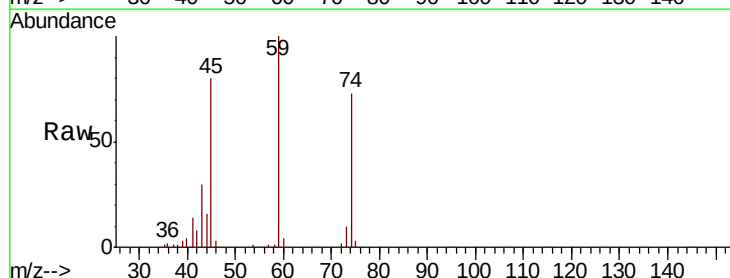
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 11/19/2018 12:45:52 PM

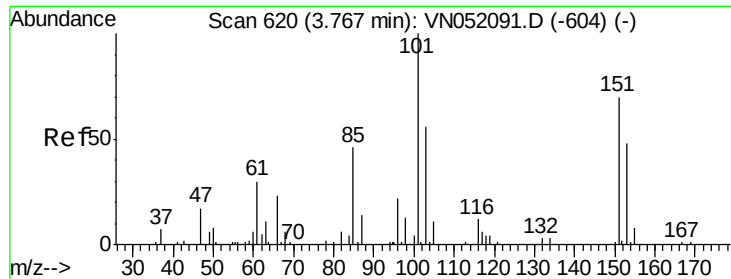


#8

Diethyl Ether
 Concen: 21.018 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.9	19.4	174.4





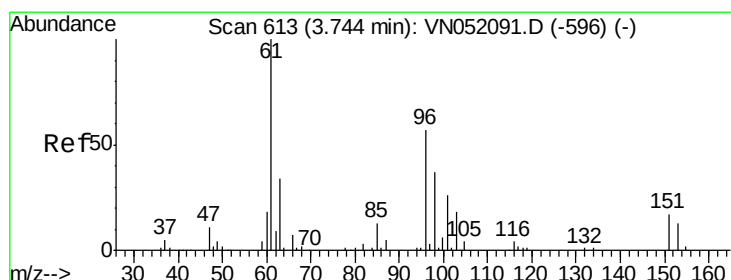
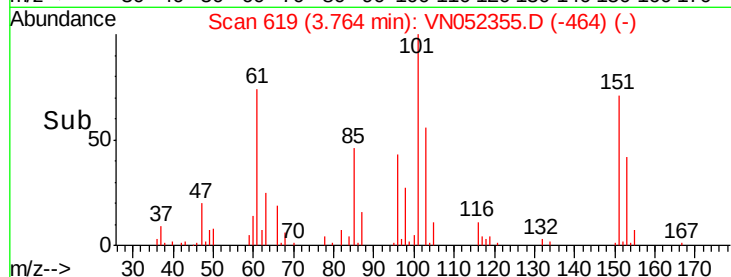
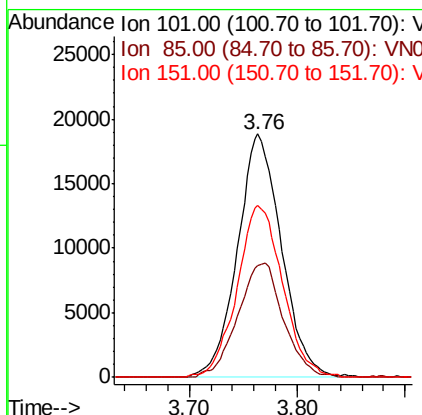
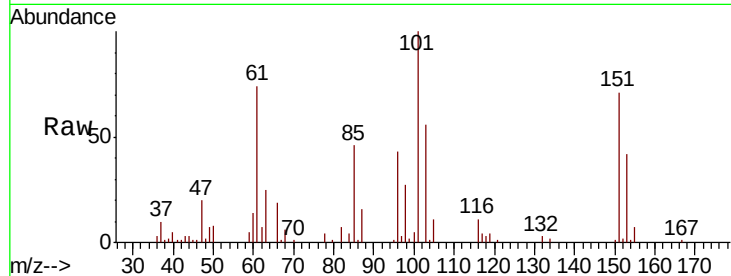
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 1,1,2-Trichlorotrifluoroethane
 Concen: 21.084 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

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 VN1116WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	53311		
85	48.4	0.0	98.0	
151	73.1	0.0	139.6	

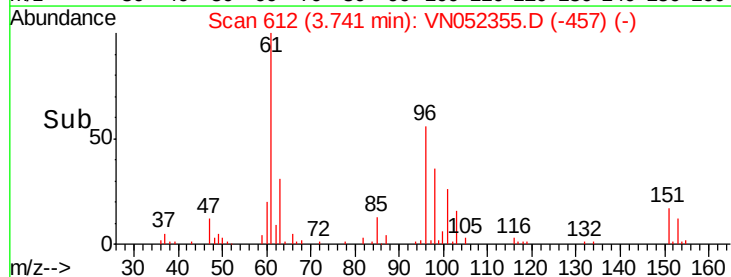
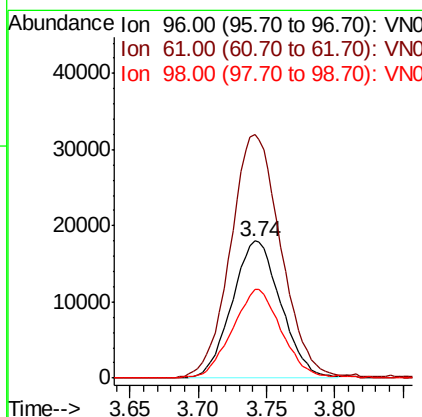
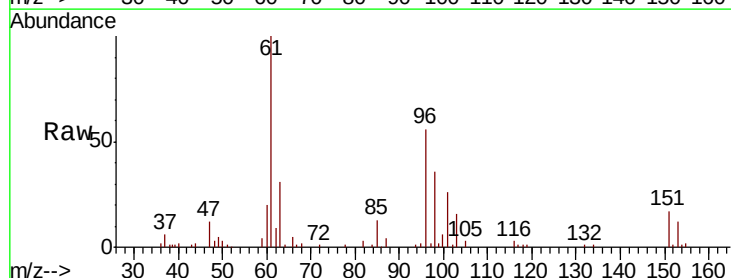
Manual Integrations
 APPROVED

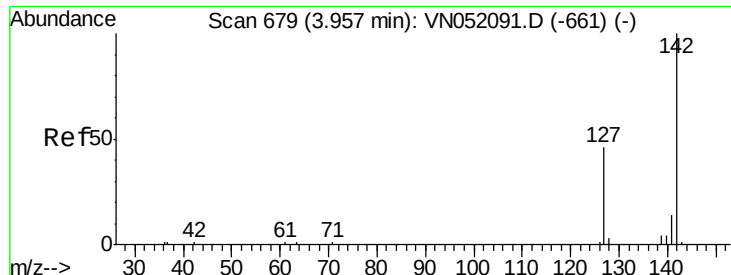
MMDadoda
 11/19/2018 12:45:52 PM



#10
 1,1-Dichloroethene
 Concen: 18.928 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	44657		
61	175.0	140.3	210.5	
98	63.4	52.0	78.0	





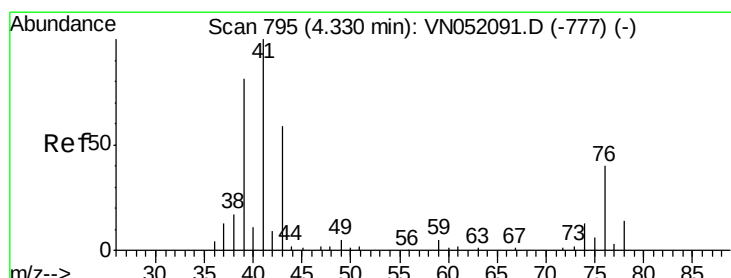
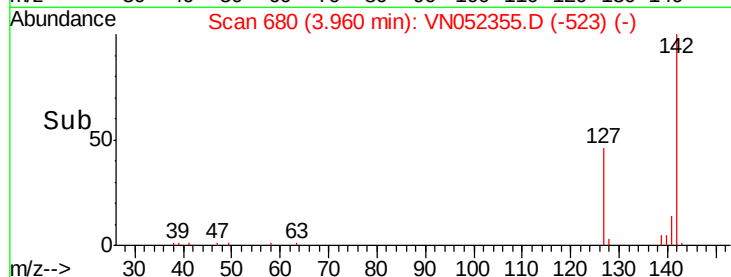
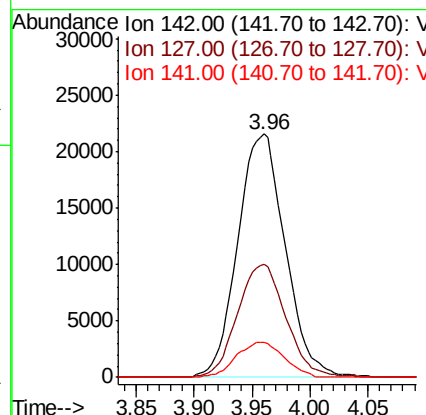
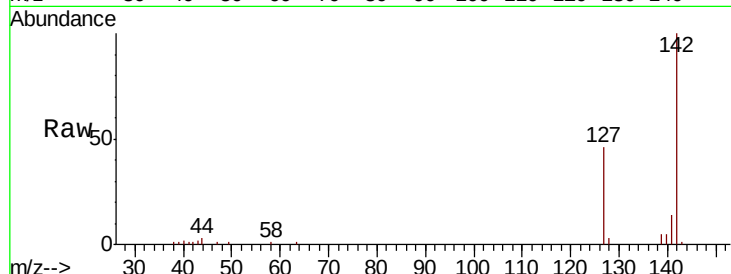
#11
Methyl Iodide
Concen: 17.943 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.3	23.1	69.2
141	14.3	7.0	20.9

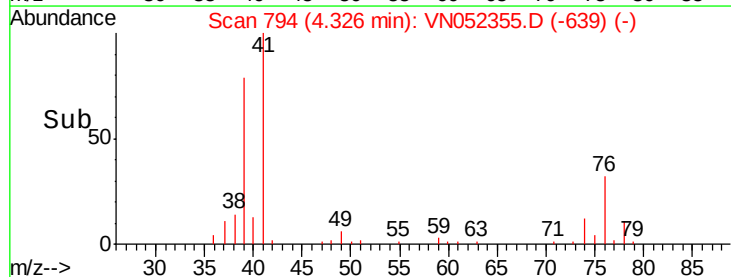
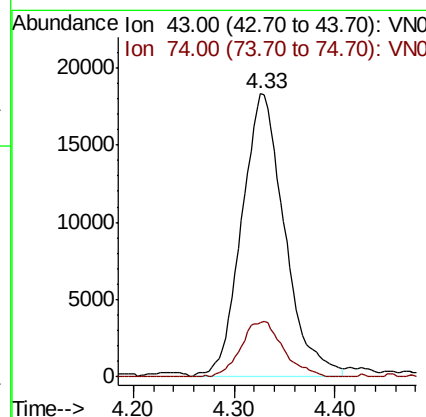
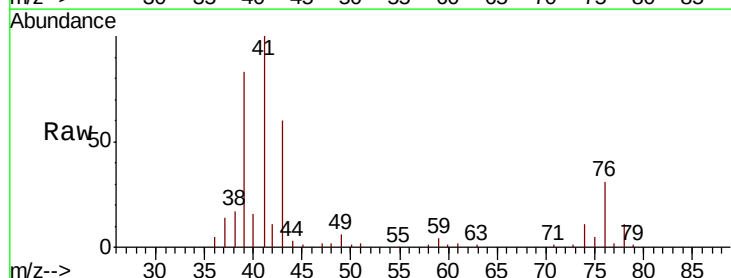
Manual Integrations
APPROVED

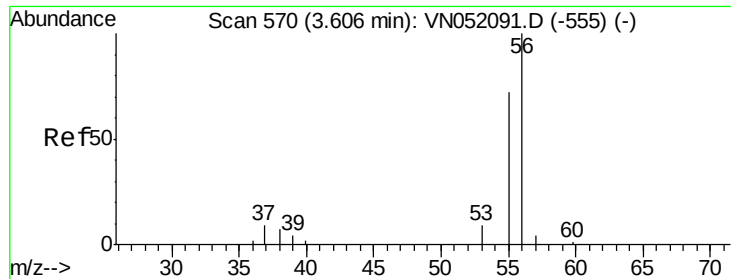
MMDadoda
11/19/2018 12:45:52 PM



#12
Methyl Acetate
Concen: 27.265 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	17.4	26.2





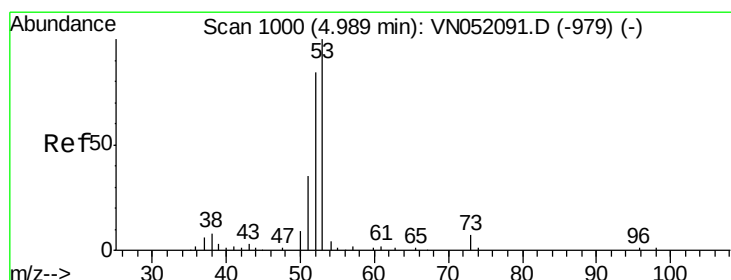
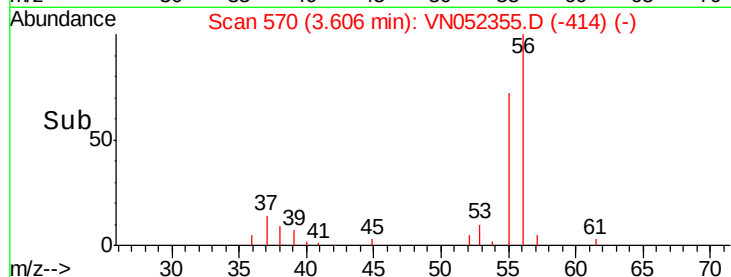
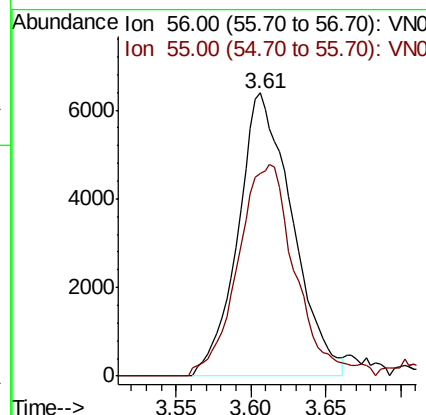
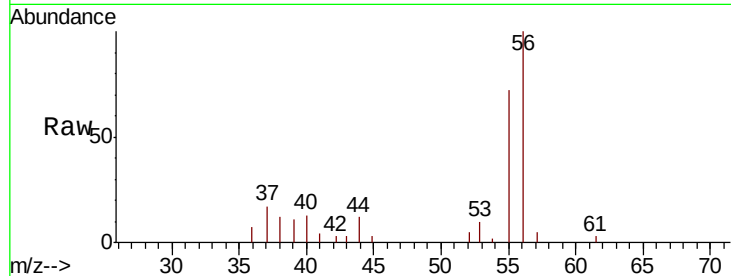
#13
Acrolein
Concen: 76.643 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	77.9	56.2	84.2	

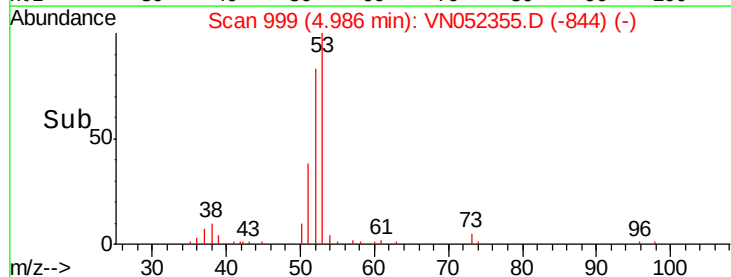
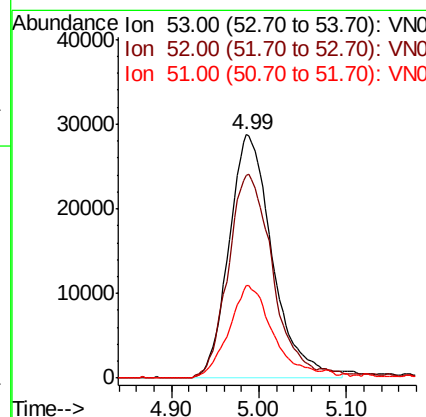
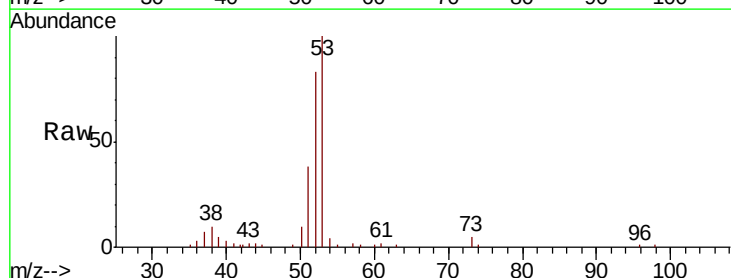
Manual Integrations
APPROVED

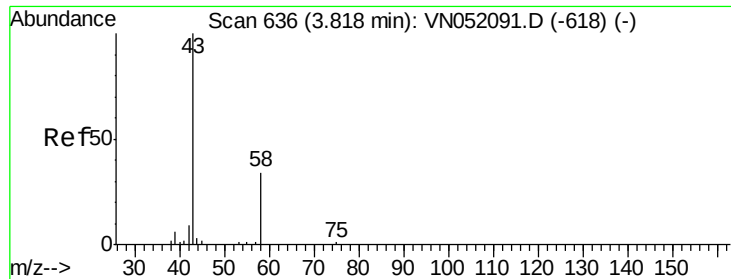
MMDadoda
11/19/2018 12:45:52 PM



#14
Acrylonitrile
Concen: 112.351 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	84.7	41.3	124.1	
51	38.6	18.6	55.6	





#15

Acetone

Concen: 136.081 ug/l m

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

Tot Ion: 58 Resp: 28324

Ion Ratio Lower Upper

58 100

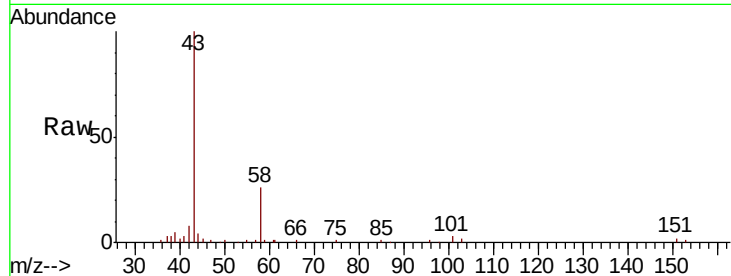
43 390.0 234.7 352.1#

Manual Integrations

APPROVED

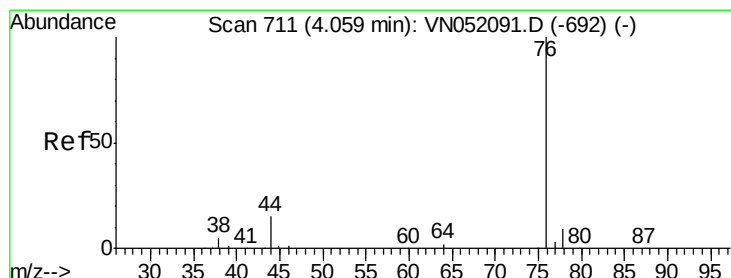
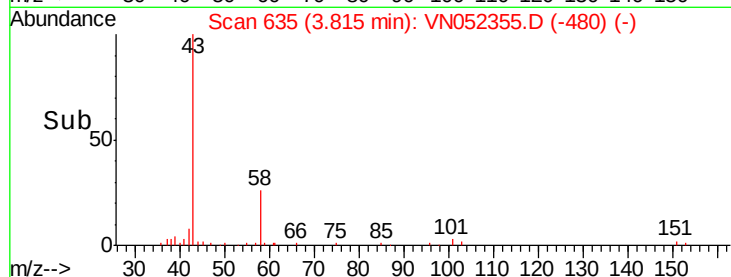
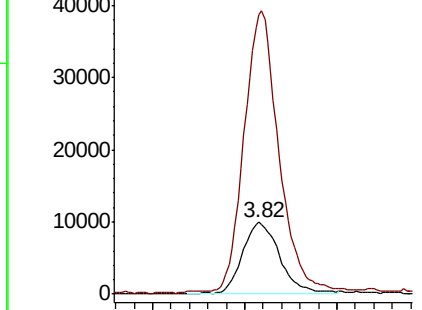
MMDadoda

11/19/2018 12:45:52 PM



Abundance Ion 58.00 (57.70 to 58.70): VN052355.D (-480) (-)

Ion 43.00 (42.70 to 43.70): VN052355.D (-480) (-)



#16

Carbon Disulfide

Concen: 16.293 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052355.D

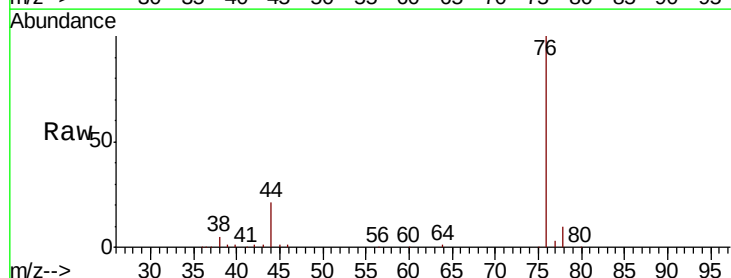
Acq: 16 Nov 2018 11:01

Tgt Ion: 76 Resp: 113506

Ion Ratio Lower Upper

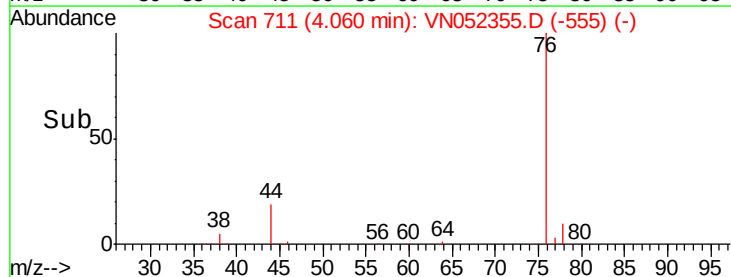
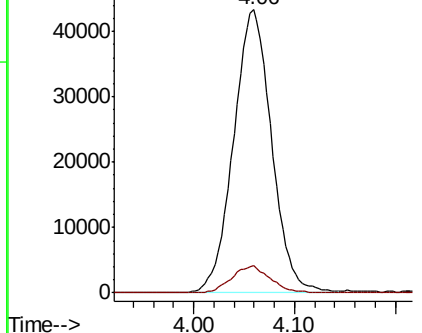
76 100

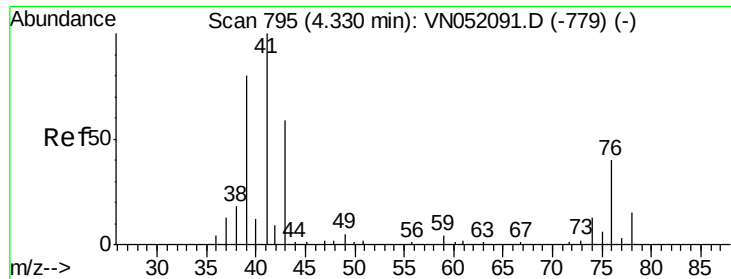
78 9.6 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN052355.D (-555) (-)

Ion 78.00 (77.70 to 78.70): VN052355.D (-555) (-)





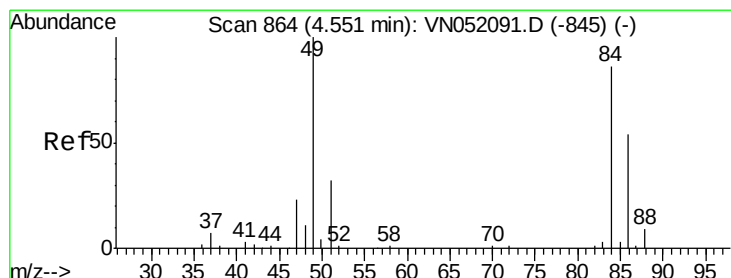
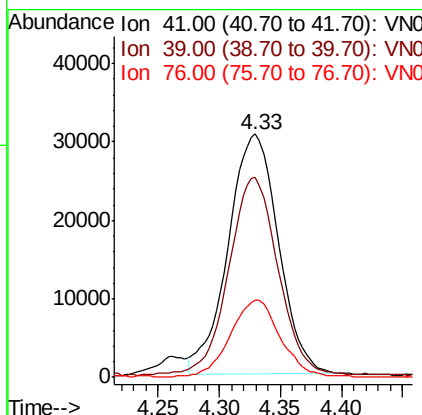
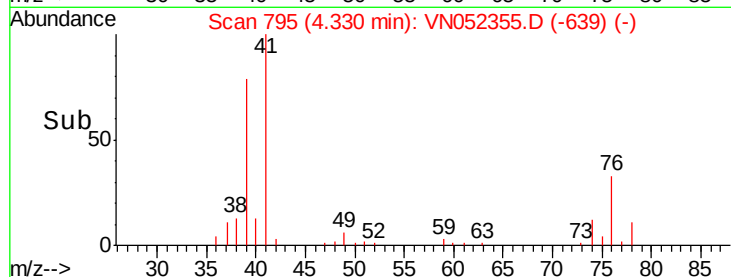
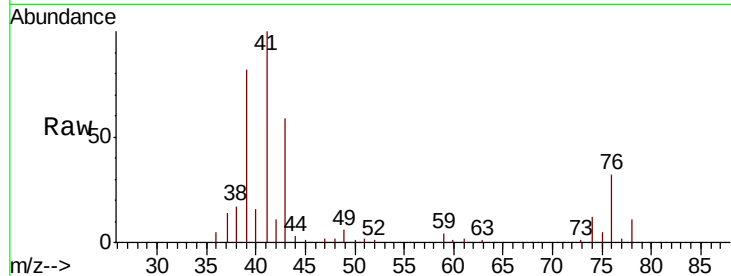
#17
Allvl chloride
Concen: 21.834 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	81.8	38.4	115.1
76	31.8	18.8	56.3

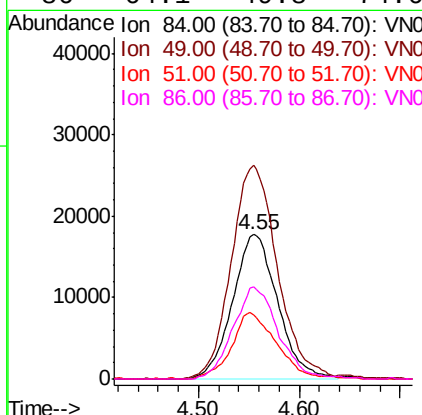
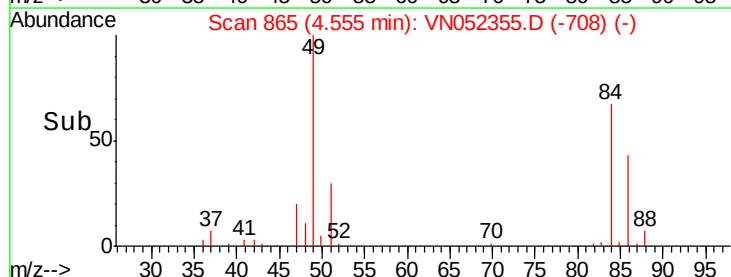
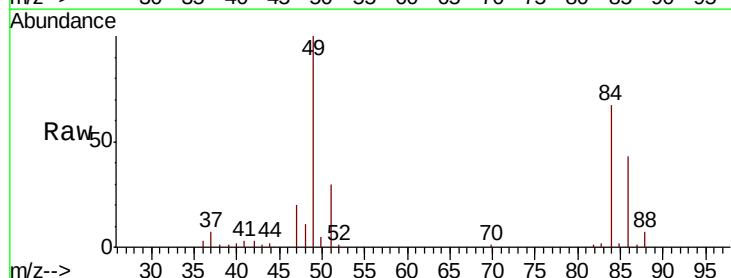
Manual Integrations
APPROVED

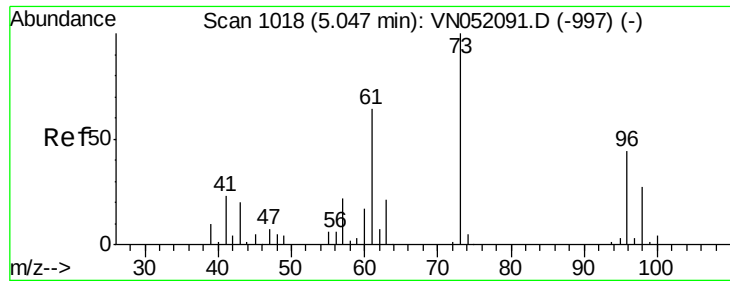
MMDadoda
11/19/2018 12:45:52 PM



#18
Methylene Chloride
Concen: 18.926 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.9	92.6	138.8#
51	44.9	29.7	44.5#
86	64.1	49.8	74.6





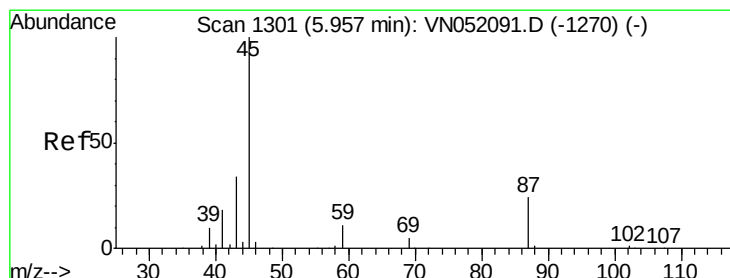
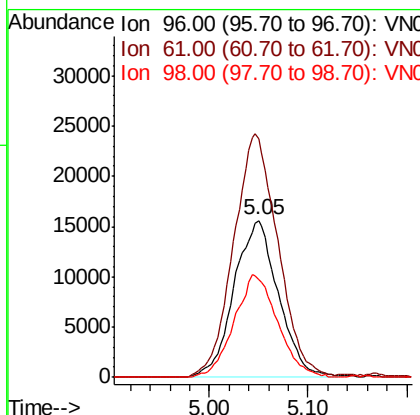
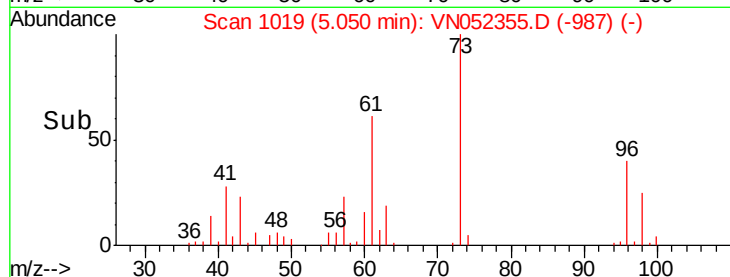
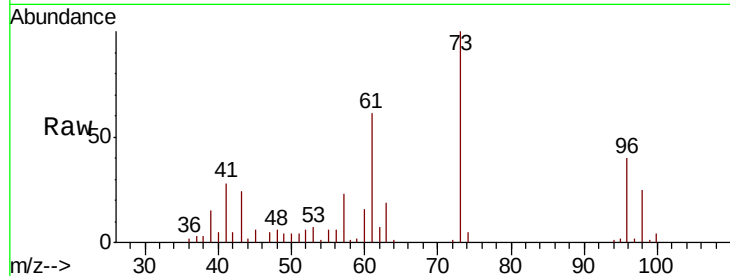
#19
trans-1,2-Dichloroethene
Concen: 18.815 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.7	117.8	176.6
98	62.5	49.3	73.9

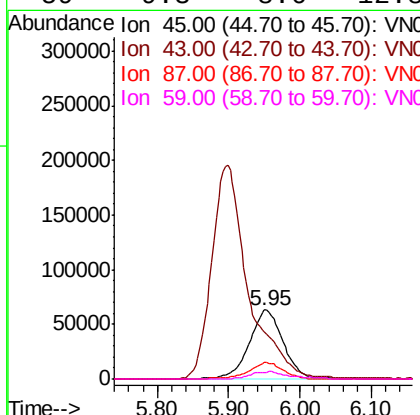
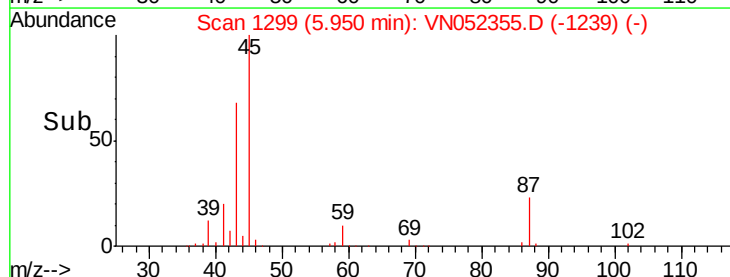
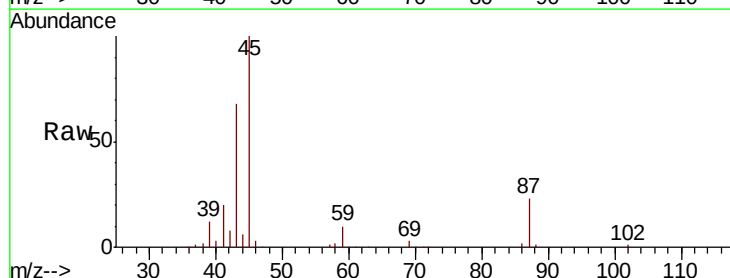
Manual Integrations
APPROVED

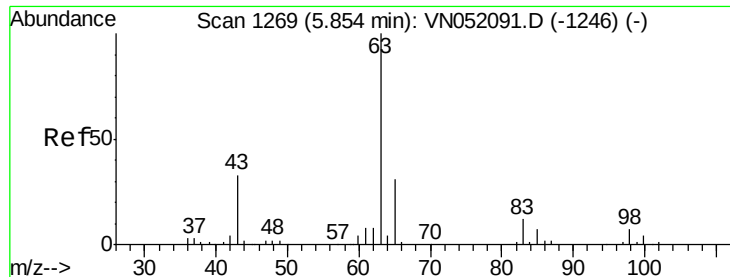
MMDadoda
11/19/2018 12:45:52 PM



#20
Diisopropyl ether
Concen: 23.875 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.01 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.0	49.4	74.0
87	23.0	20.3	30.5
59	9.3	8.6	12.8





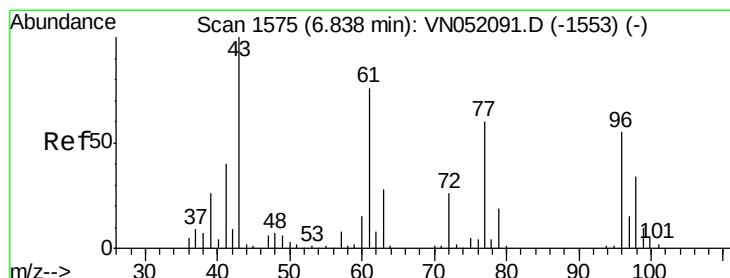
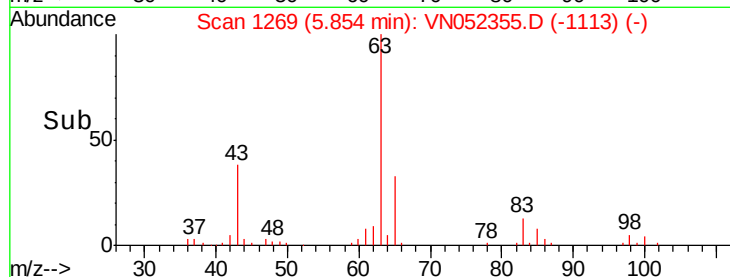
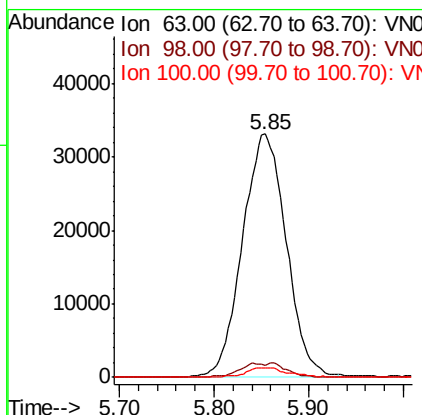
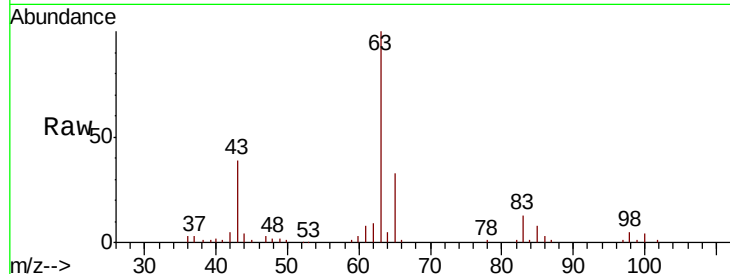
#21
 1,1-Dichloroethane
 Concen: 20.954 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	106597		
98	5.1	3.4	10.1	
100	3.8	2.0	5.8	

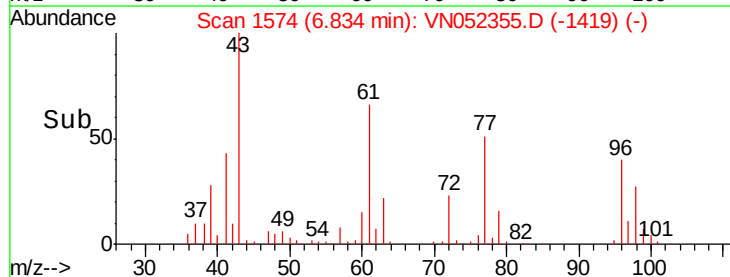
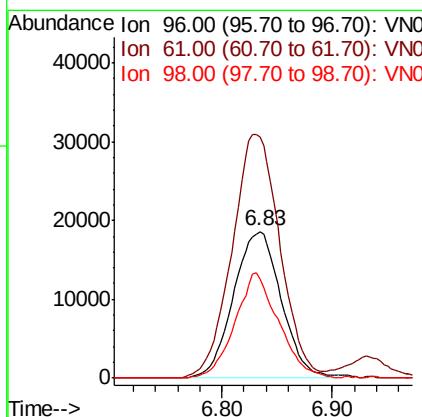
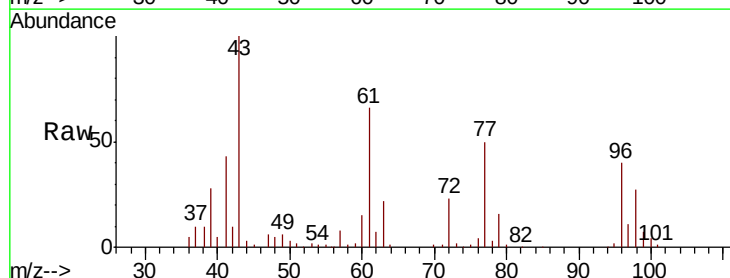
Manual Integrations
 APPROVED

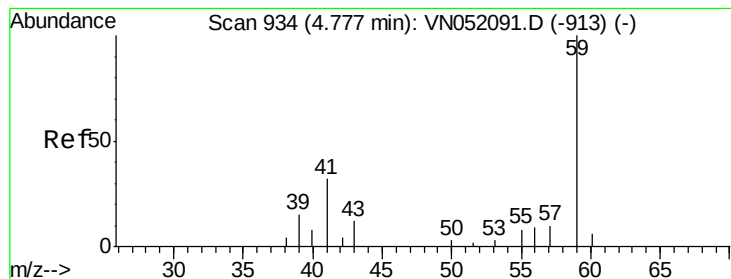
MMDadoda
 11/19/2018 12:45:52 PM



#22
 cis-1,2-Dichloroethene
 Concen: 18.446 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	55683		
61	166.5	117.6	176.4	
98	65.6	51.0	76.4	





#23

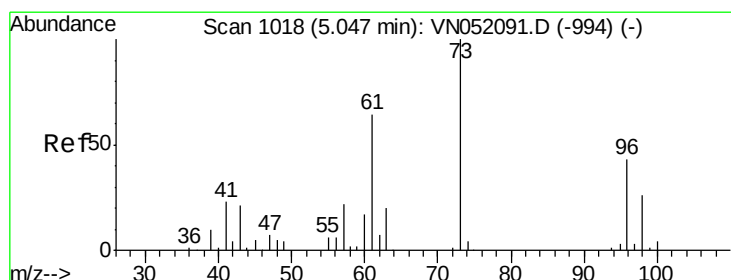
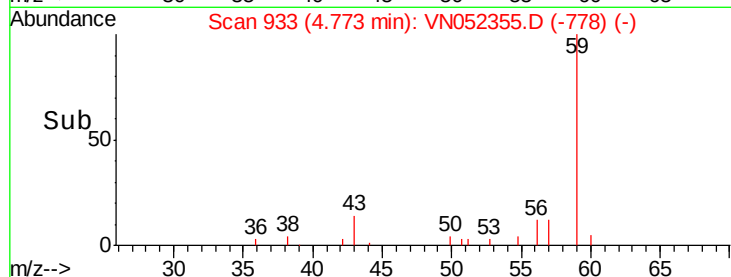
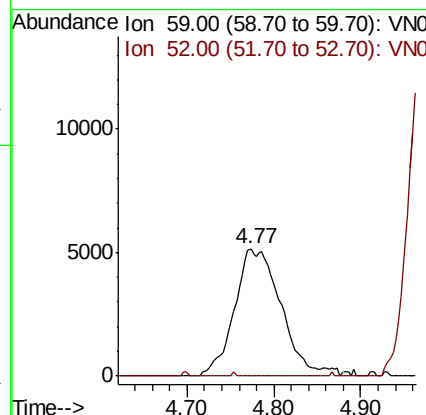
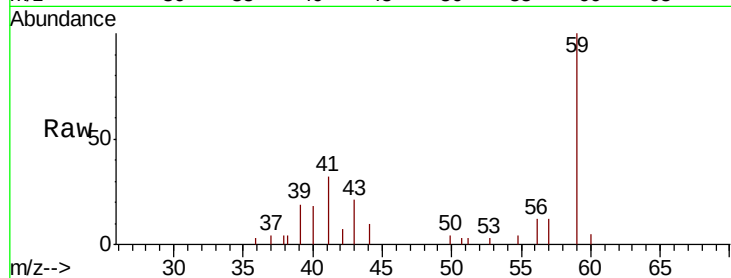
tert-Butyl Alcohol
 Concen: 140.707 ug/l m
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion	59	52	Ratio	100	0.3	Resp	19307	Lower	Upper
59	100								
52		0.3			0.3			0.5	

Manual Integrations
 APPROVED

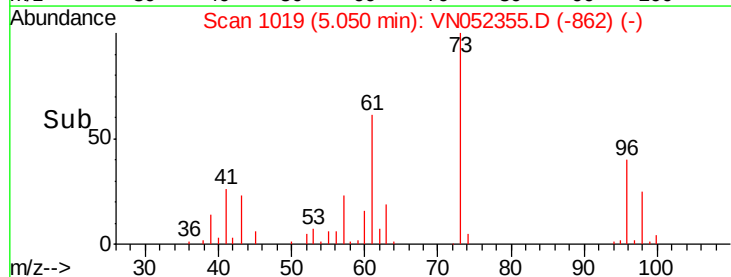
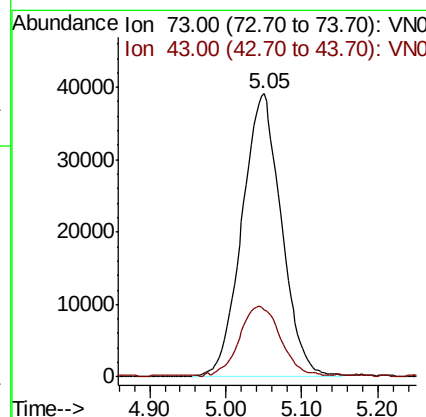
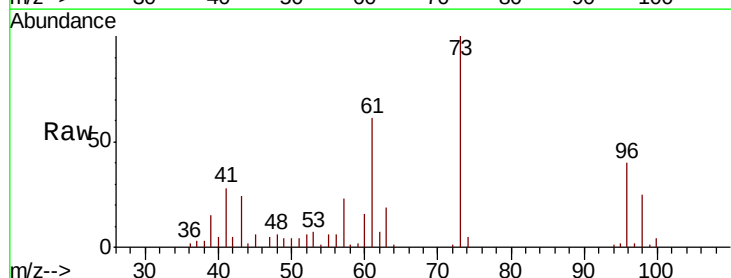
MMDadoda
 11/19/2018 12:45:52 PM

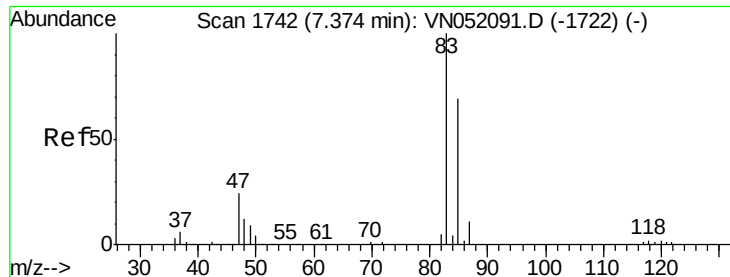


#24

Methyl tert-Butyl Ether
 Concen: 21.119 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion	73	43	Ratio	100	25.4	Resp	141259	Lower	Upper
73	100								
43		25.4			17.4			26.2	





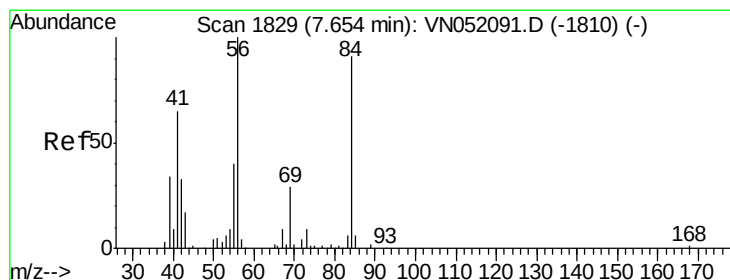
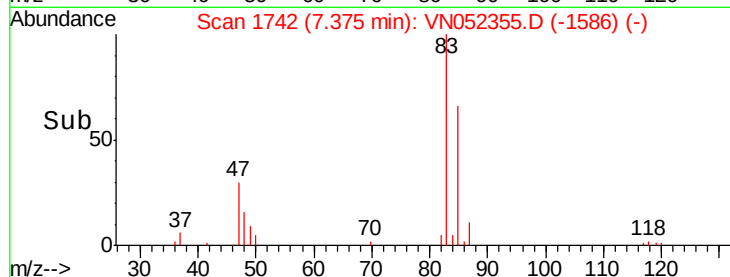
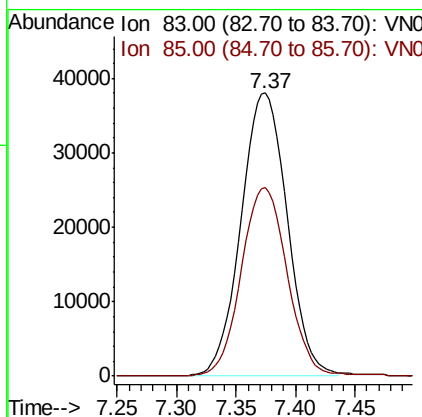
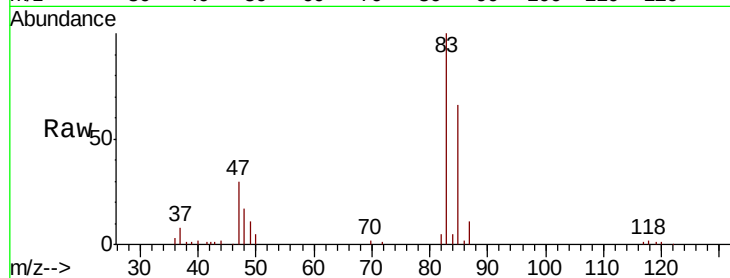
#25
Chloroform
Concen: 20.060 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	83	Resp	102470
Ion Ratio	100	Lower	Upper
85	66.4	54.9	82.3

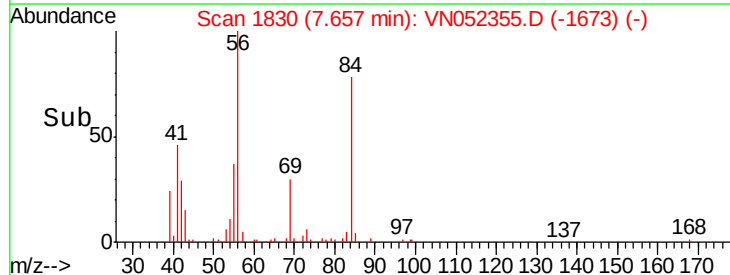
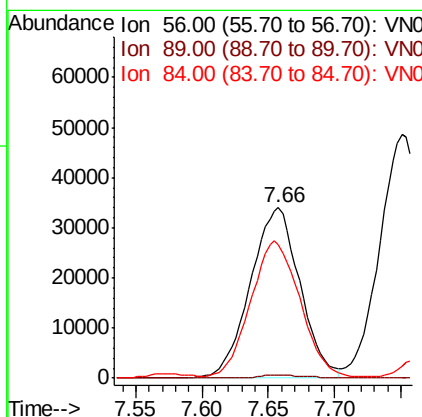
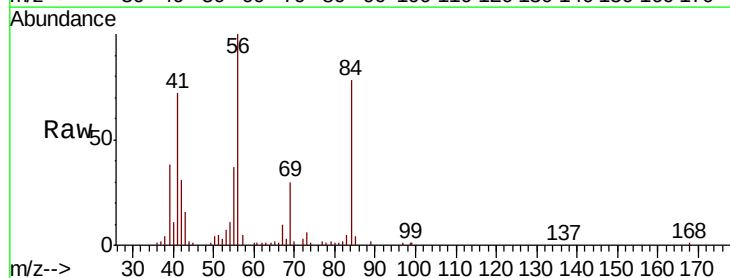
Manual Integrations
APPROVED

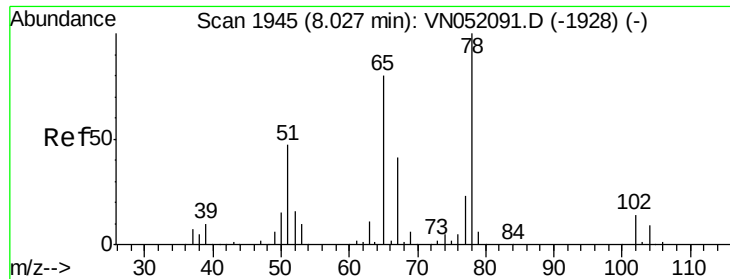
MMDadoda
11/19/2018 12:45:52 PM



#26
Cyclohexane
Concen: 19.491 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion	56	Resp	88885
Ion Ratio	100	Lower	Upper
89	0.5	2.2	3.2#
84	79.9	71.0	106.6





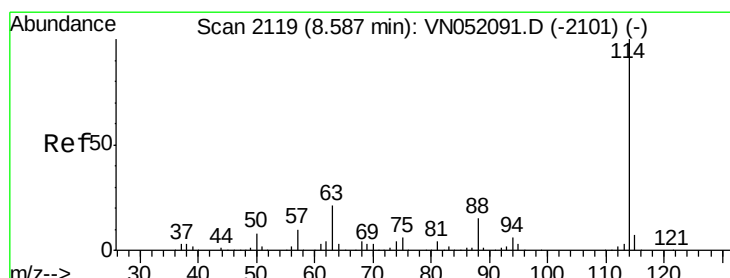
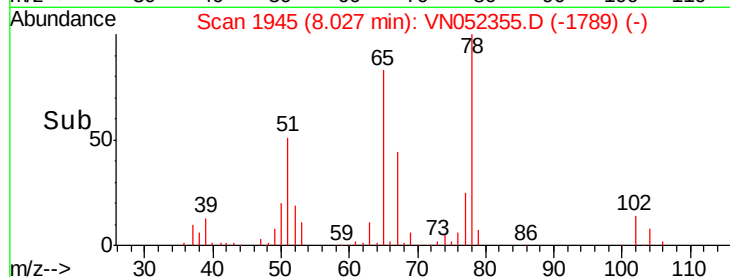
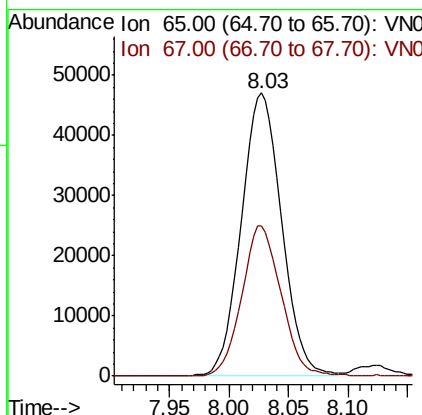
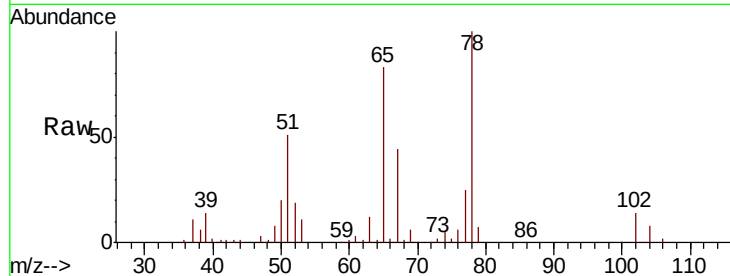
#27
 1,2-Dichloroethane-d4
 Concen: 19.491 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	42.6	64.0

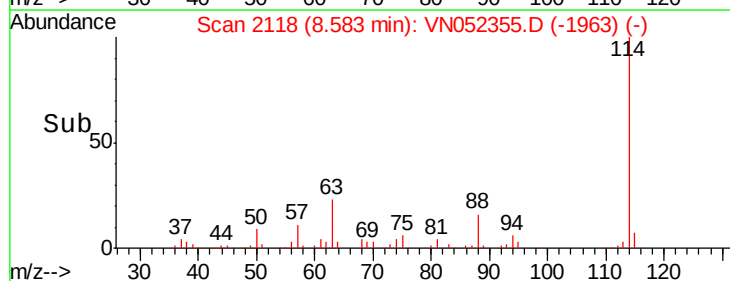
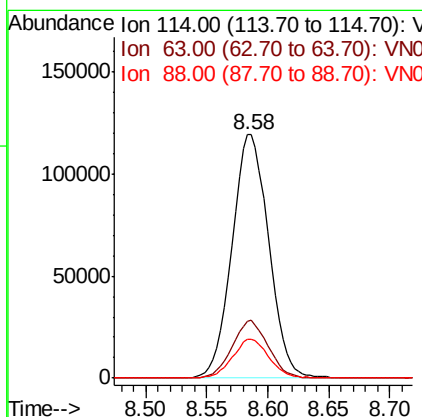
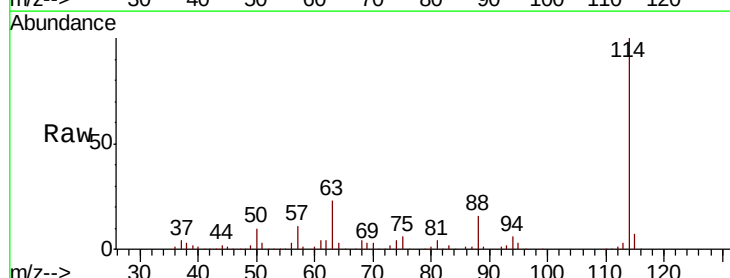
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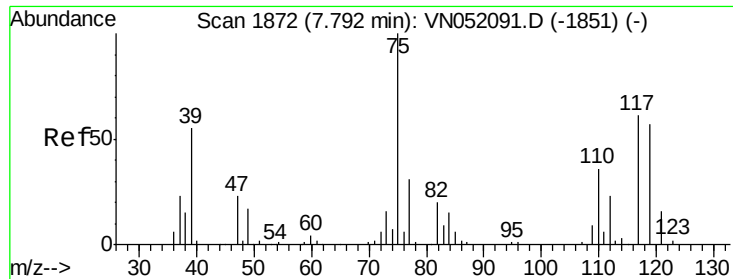
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	17.5	26.3
88	15.9	12.6	18.8





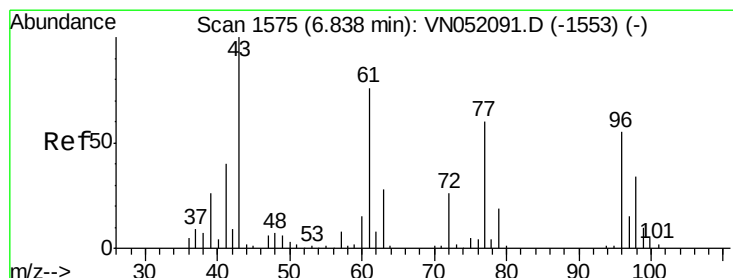
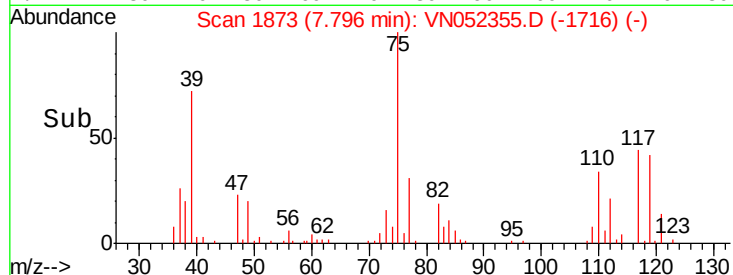
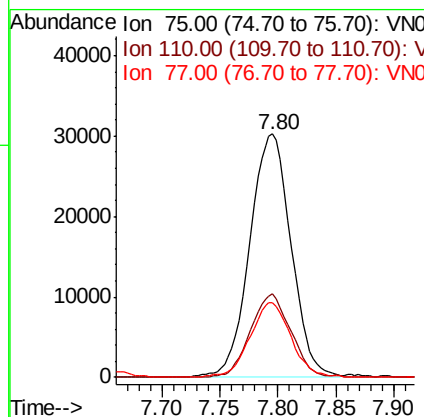
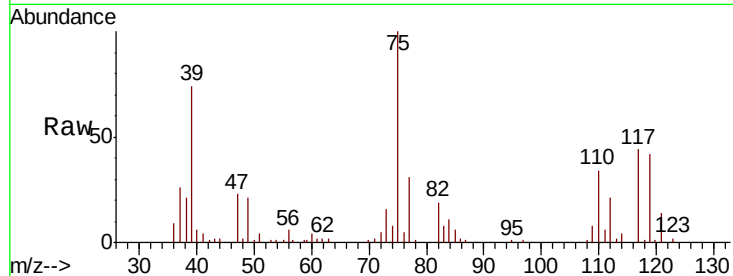
#29
 1,1-Dichloropropene
 Concen: 18.976 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.2	0.0	67.6
77	30.4	0.0	60.2

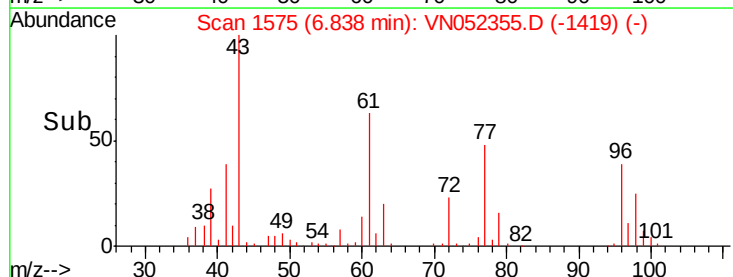
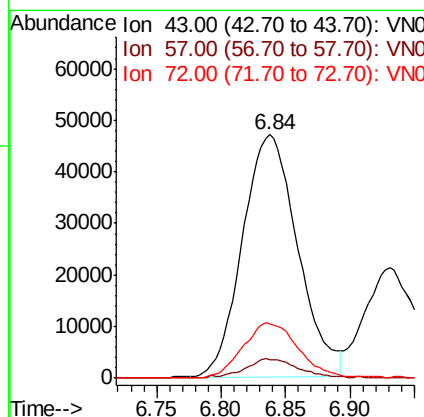
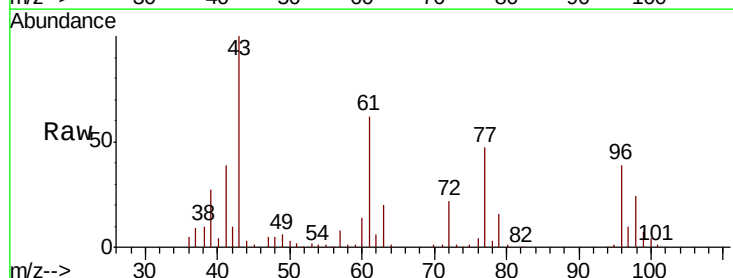
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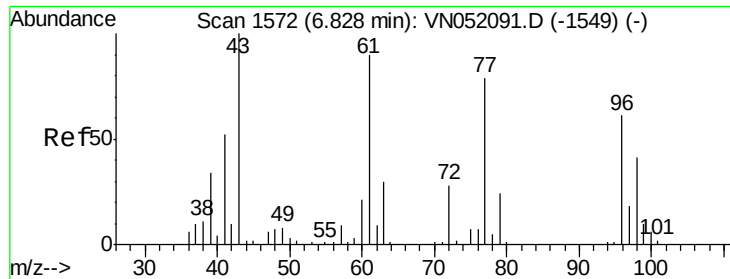
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 11/19/2018 12:45:52 PM



#30
 2-Butanone
 Concen: 132.703 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.5	6.6	9.8
72	22.9	9.2	13.8#





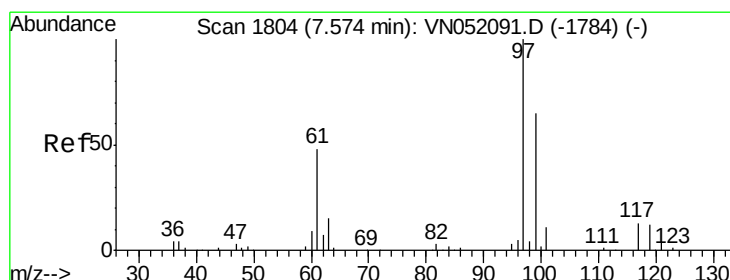
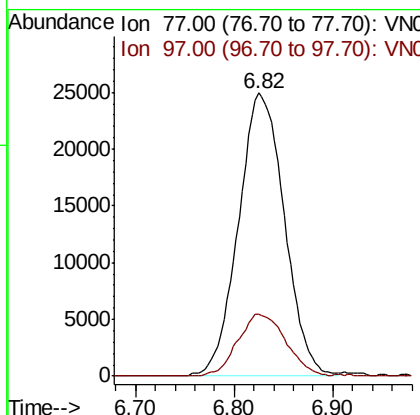
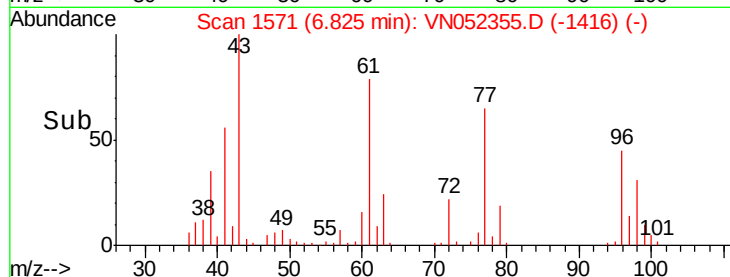
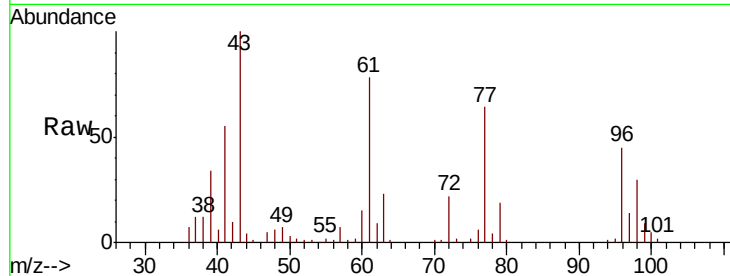
#31
 2,2-Dichloropropane
 Concen: 19.745 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion: 77 Resp: 80536
 Ion Ratio Lower Upper
 77 100
 97 22.8 18.2 27.2

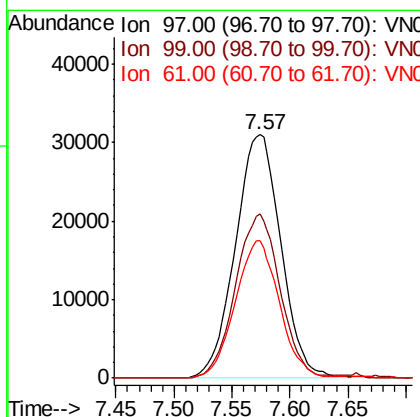
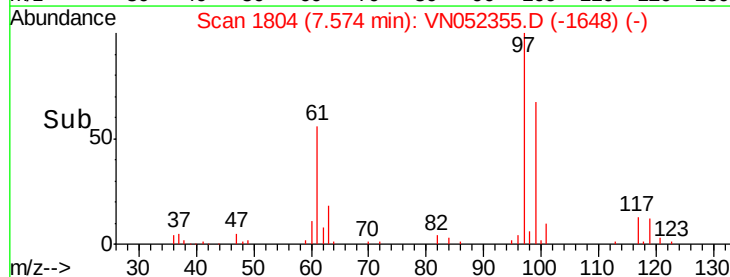
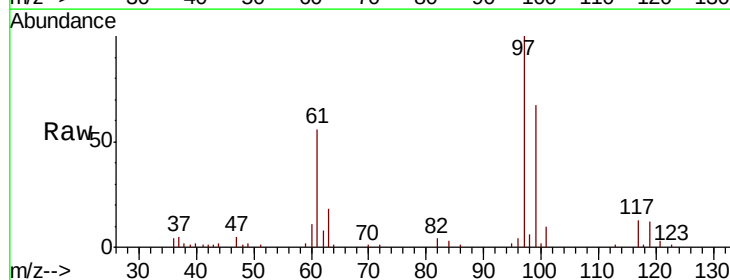
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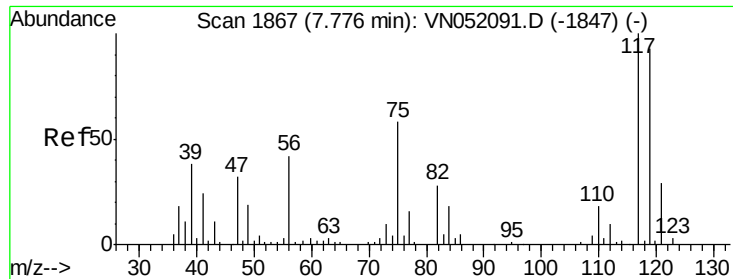
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#32
 1,1,1-Trichloroethane
 Concen: 19.140 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion: 97 Resp: 84797
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.7 77.5
 61 54.8 38.7 58.1





#33

Carbon Tetrachloride

Concen: 19.366 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

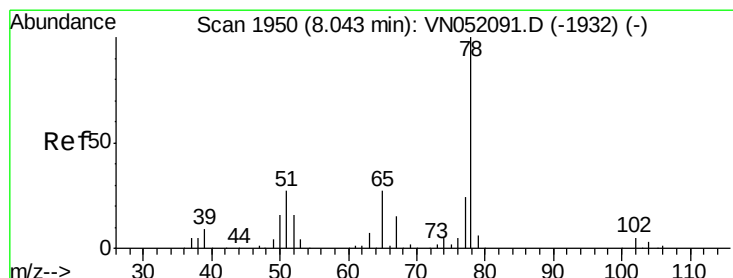
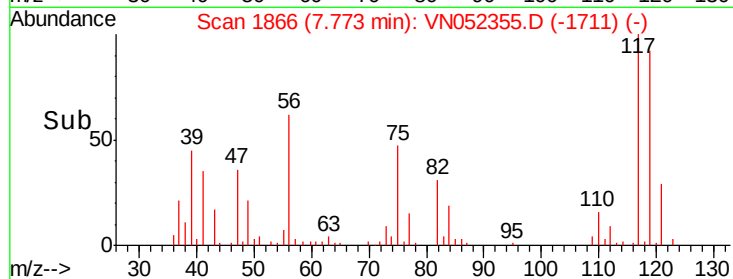
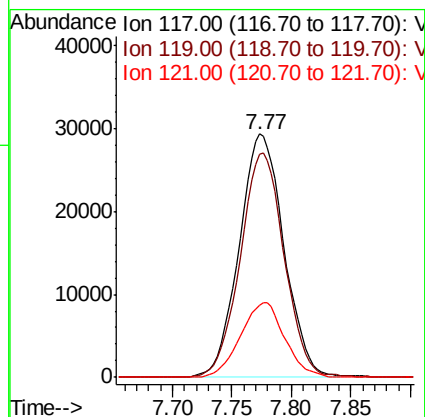
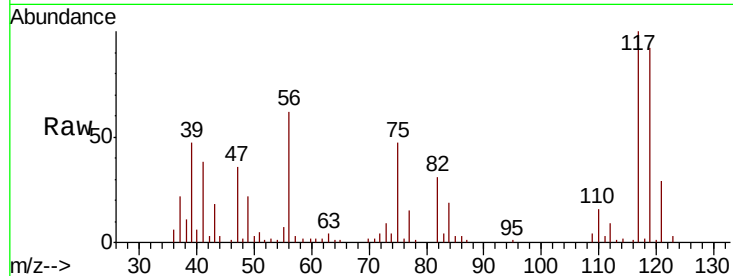
ClientSampleId :

VN1116WBS01

Tot Ion:	117	Resp:	76302
Ion Ratio	Lower	Upper	
117	100		
119	91.6	74.7	112.1
121	29.4	23.4	35.0

Manual Integrations
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#34

Benzene

Concen: 18.971 ug/l

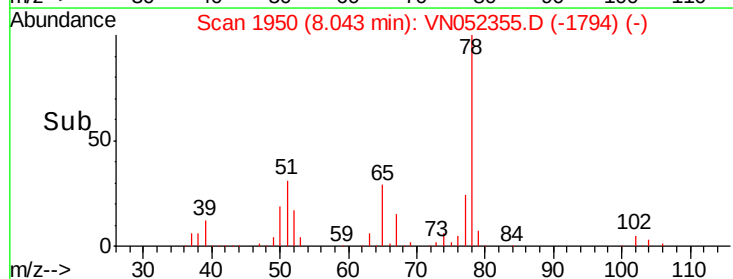
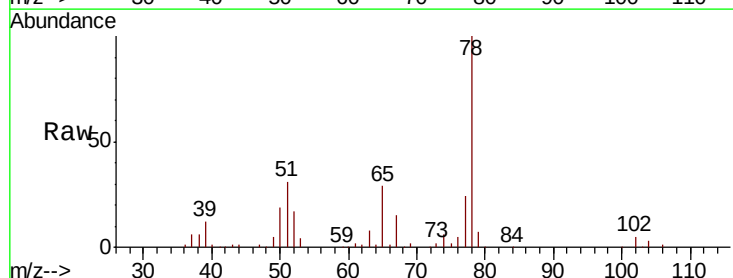
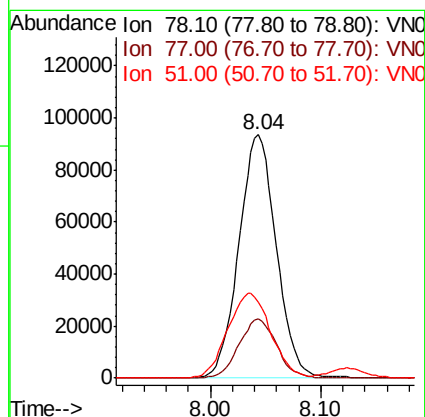
RT: 8.04 min Scan# 1950

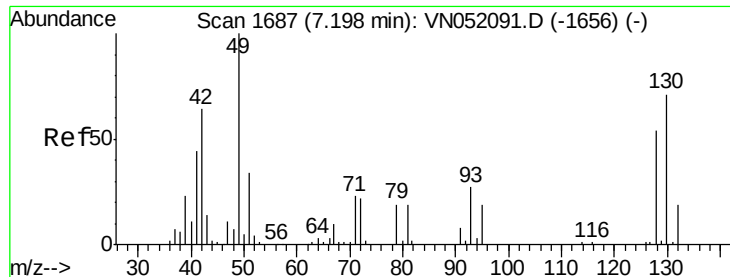
Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Tgt Ion:	78	Resp:	219943
Ion Ratio	Lower	Upper	
78	100		
77	24.5	19.1	28.7
51	30.8	21.2	31.8





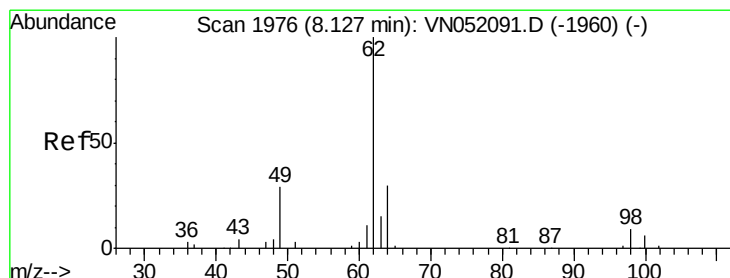
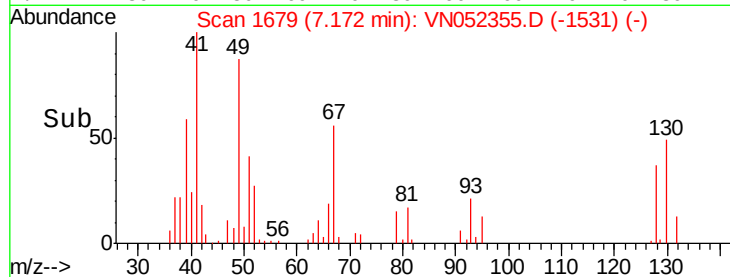
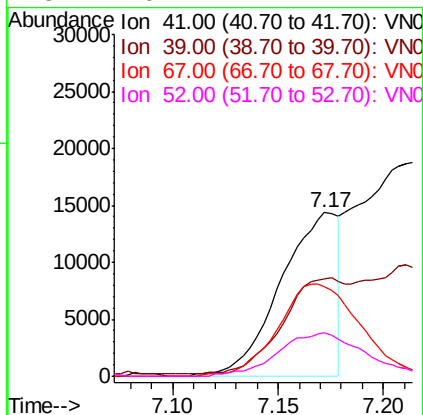
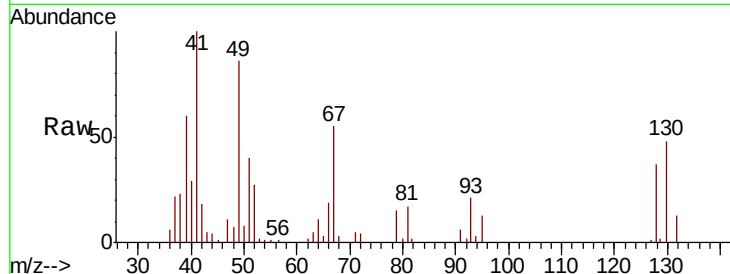
#35
Methacrylonitrile
Concen: 18.862 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.03 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.2	26.1	78.3
67	54.9	11.0	33.0
52	26.7	4.7	14.1

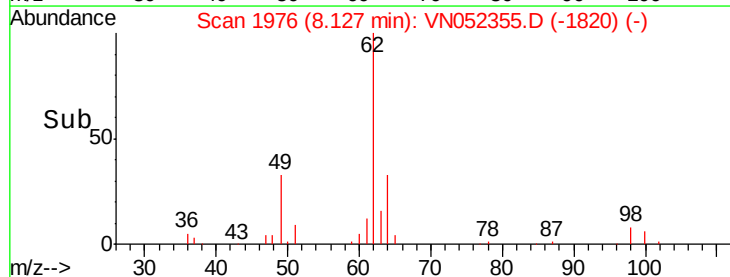
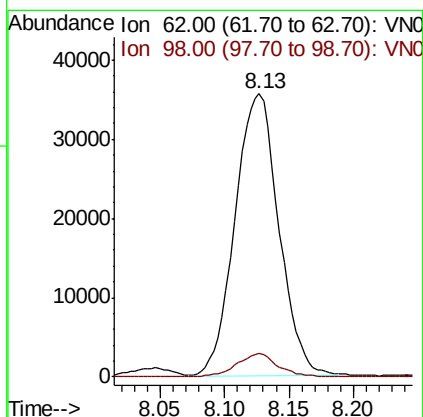
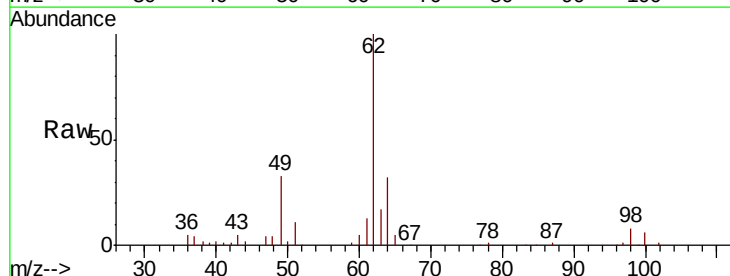
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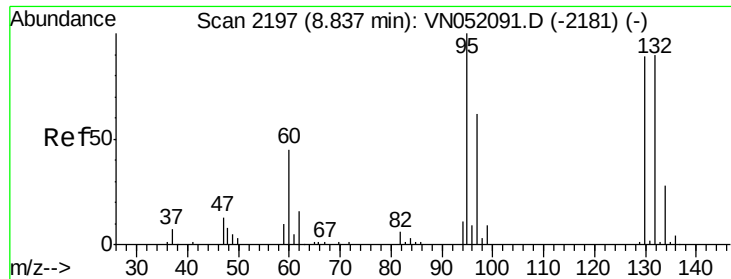
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#36
1,2-Dichloroethane
Concen: 21.647 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.7	10.1





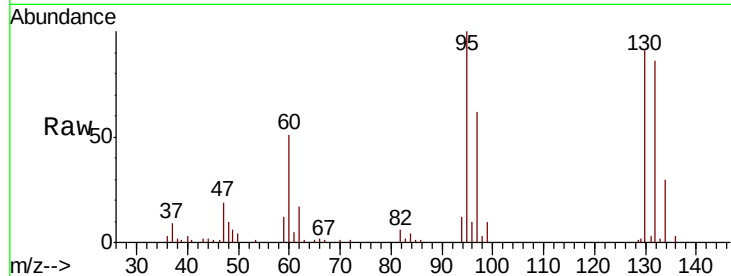
#37
 Trichloroethene
 Concen: 19.026 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

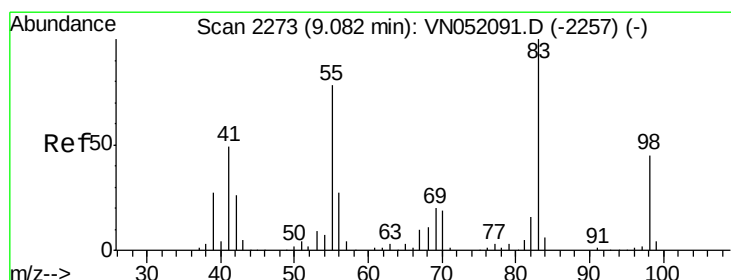
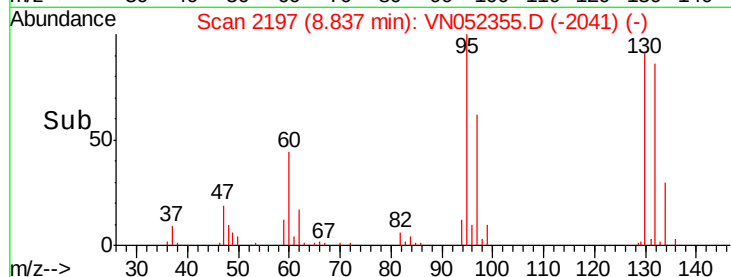
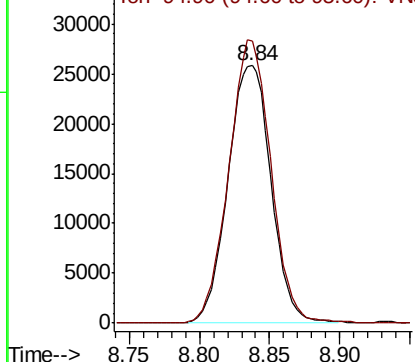
Tot Ion:130 Resp: 55209
 Ion Ratio Lower Upper
 130 100
 95 109.1 89.9 134.9

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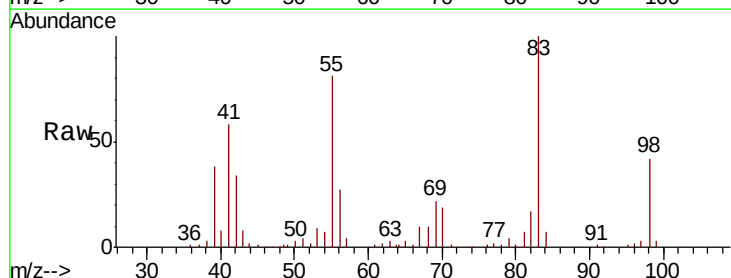


Abundance Ion 129.90 (129.60 to 130.60): VN052091.D (-2181) (-)
 Ion 94.90 (94.60 to 95.60): VN052091.D (-2181) (-)

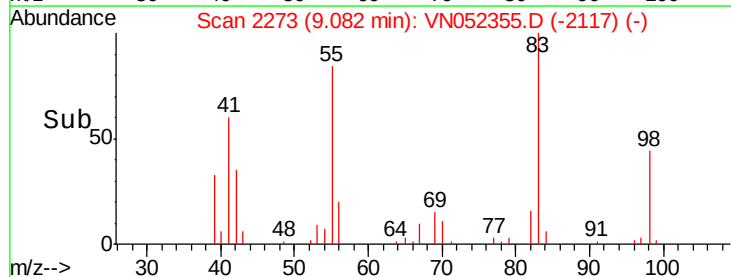
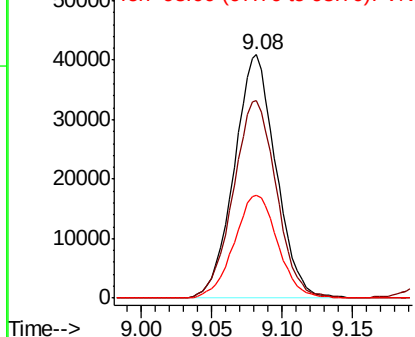


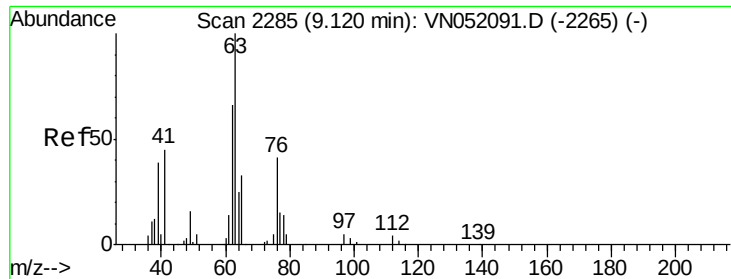
#38
 Methylcyclohexane
 Concen: 17.503 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion: 83 Resp: 84541
 Ion Ratio Lower Upper
 83 100
 55 83.8 38.5 115.3
 98 44.0 23.2 69.6



Abundance Ion 83.00 (82.70 to 83.70): VN052091.D (-2257) (-)
 Ion 55.00 (54.70 to 55.70): VN052091.D (-2257) (-)
 Ion 98.00 (97.70 to 98.70): VN052091.D (-2257) (-)





#39

1,2-Dichloropropane

Concen: 20.481 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

Tot Ion: 63 Resp: 63210

Ion Ratio Lower Upper

63 100

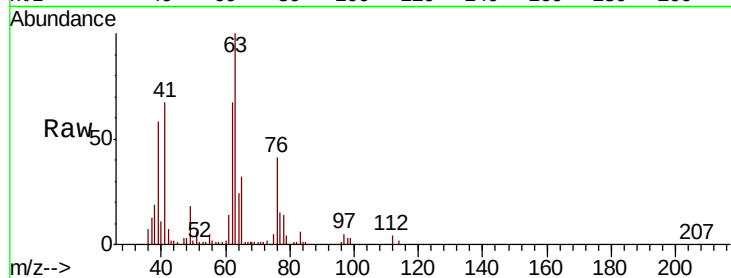
65 31.0 27.3 40.9

Manual Integrations

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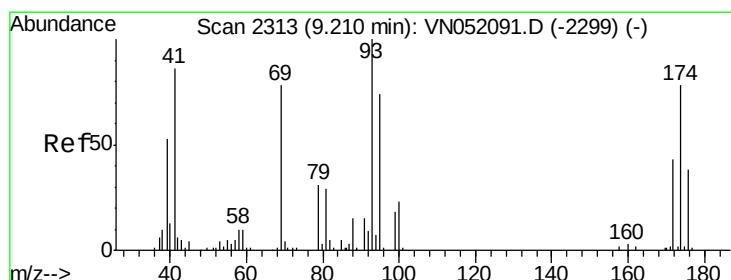
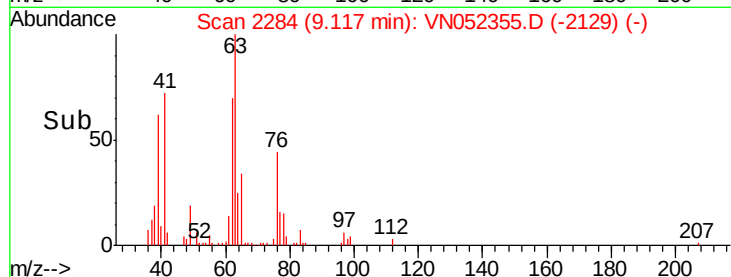
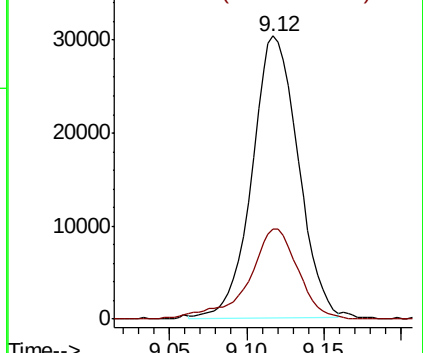
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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.458 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

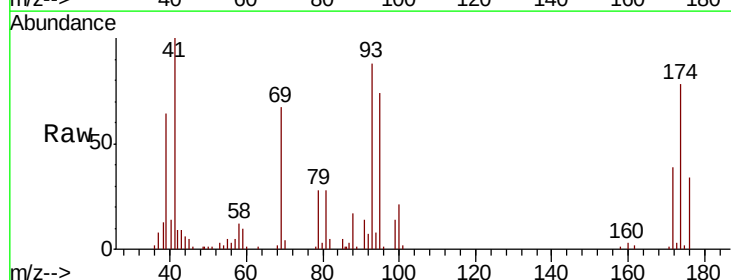
Tgt Ion: 93 Resp: 37015

Ion Ratio Lower Upper

93 100

95 84.1 0.0 161.2

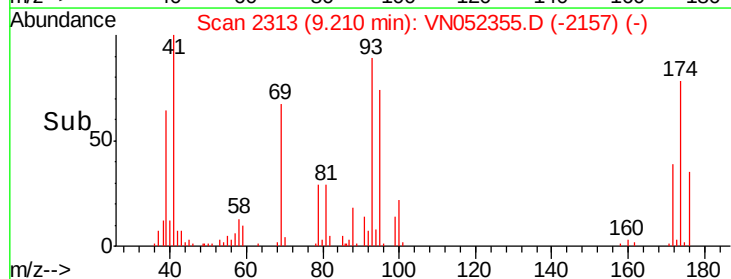
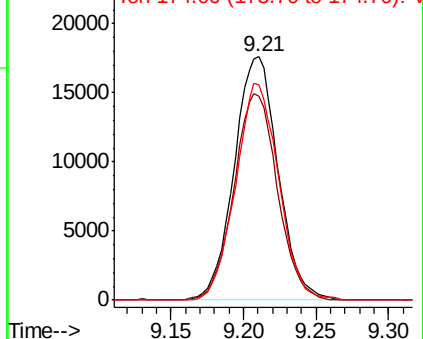
174 87.2 0.0 165.0

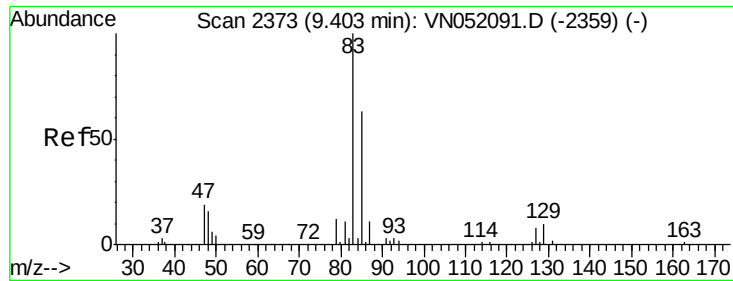


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 20.378 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

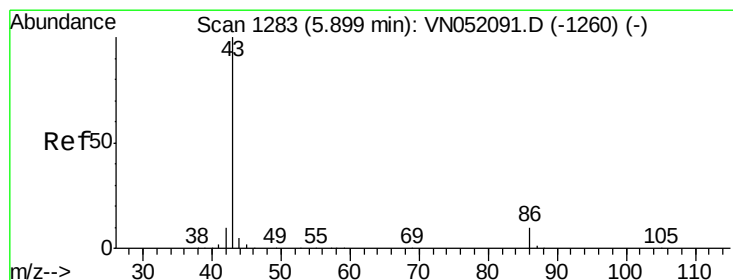
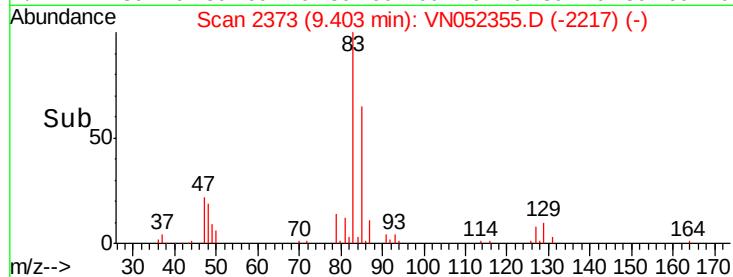
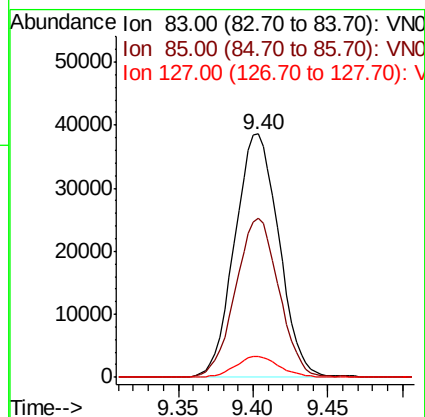
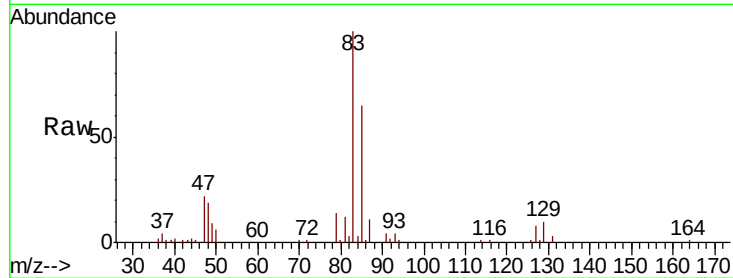
ClientSampleId :

VN1116WBS01

Tot Ion:	83	Resp:	79315
Ion Ratio	Lower	Upper	
83	100		
85	64.9	50.2	75.2
127	8.4	6.6	10.0

Manual Integrations
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#42

Vinyl Acetate

Concen: 111.708 ug/l

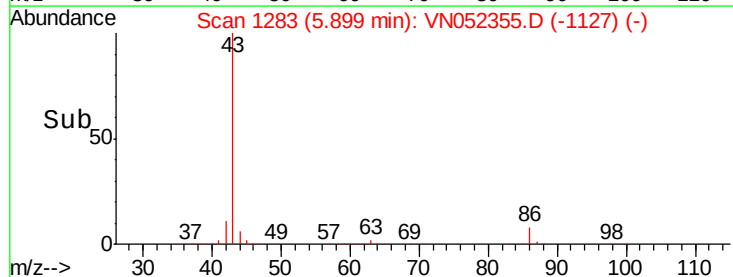
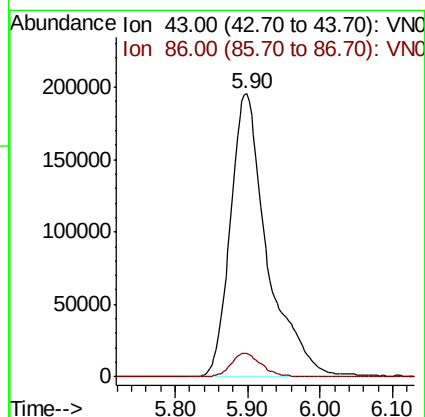
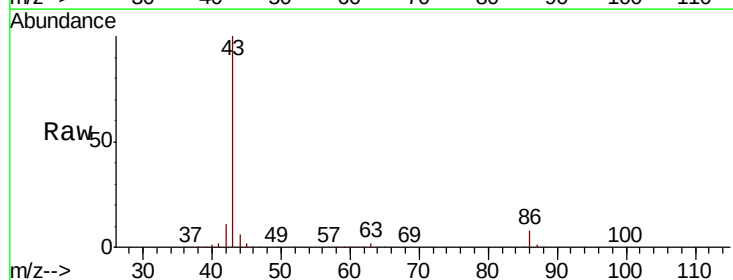
RT: 5.90 min Scan# 1283

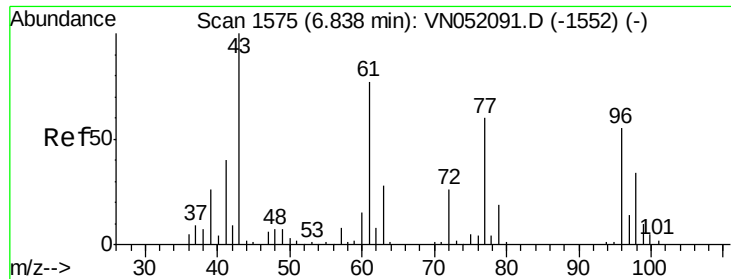
Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Tgt Ion:	43	Resp:	689584
Ion Ratio	Lower	Upper	
43	100		
86	7.0	6.6	10.0





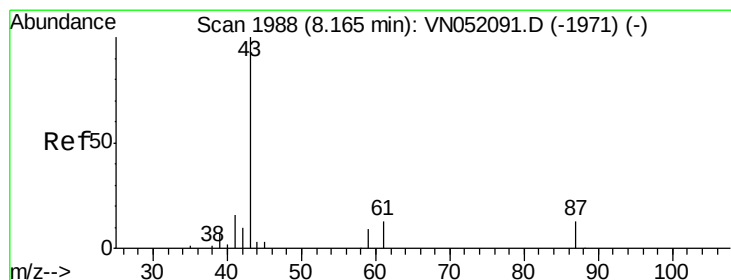
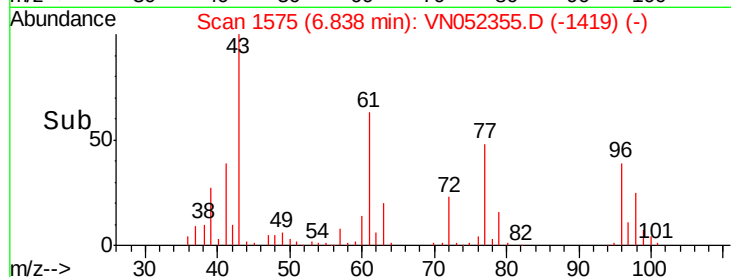
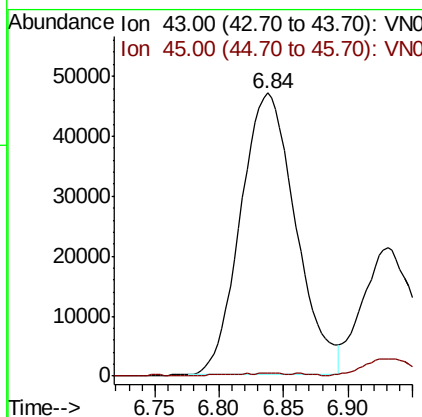
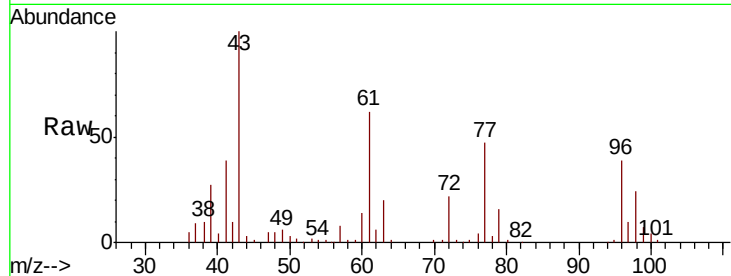
#43
Ethyl Acetate
Concen: 26.406 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion: 43 Resp: 139931
Ion Ratio Lower Upper
43 100
45 0.3 3.8 5.8#

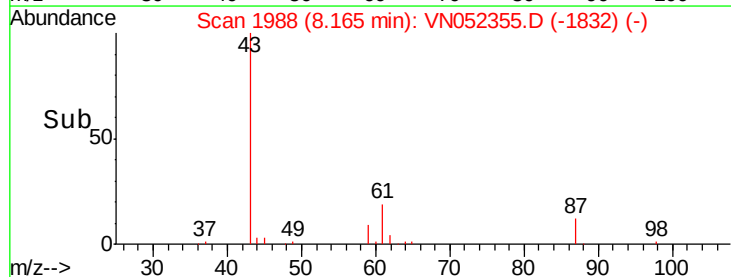
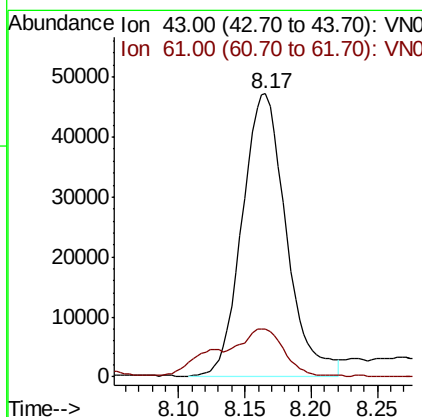
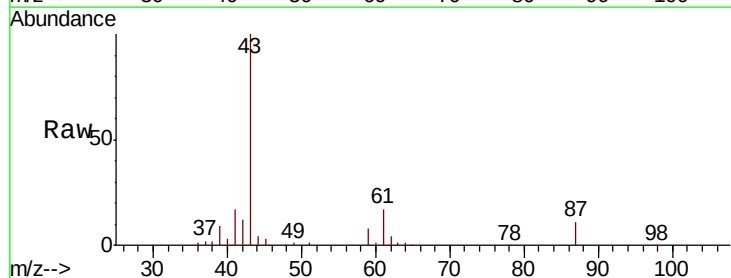
Manual Integrations
APPROVED

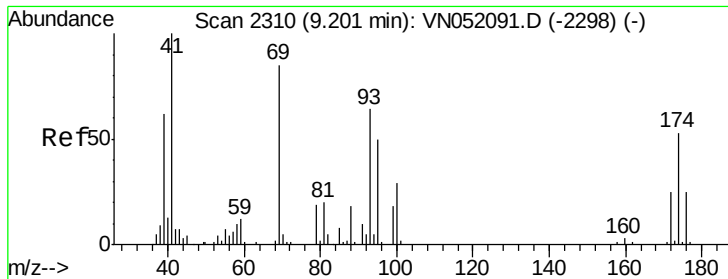
MMDadoda
11/19/2018 12:45:52 PM



#44
Isopropyl Acetate
Concen: 24.707 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion: 43 Resp: 108401
Ion Ratio Lower Upper
43 100
61 13.8 16.2 24.2#





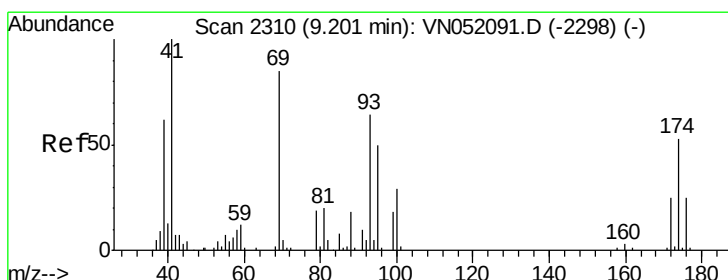
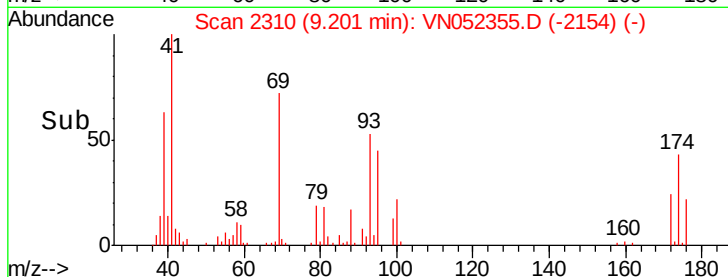
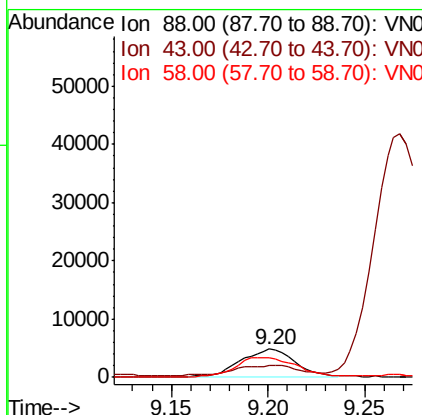
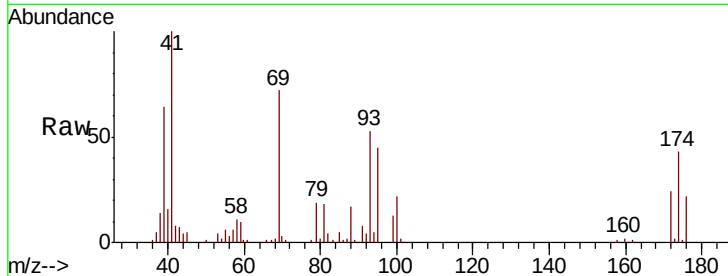
#45
 1,4-Dioxane
 Concen: 482.680 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	28.6	43.0
58	76.9	37.8	56.8#

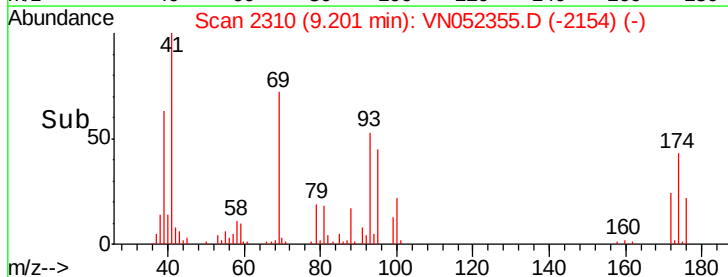
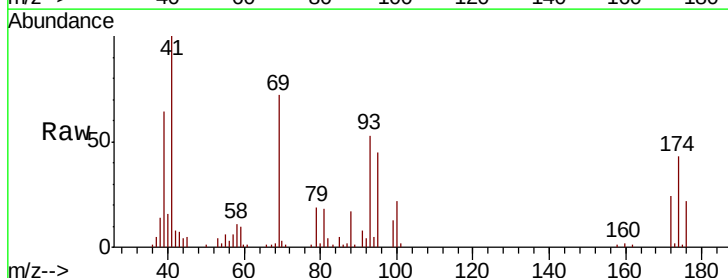
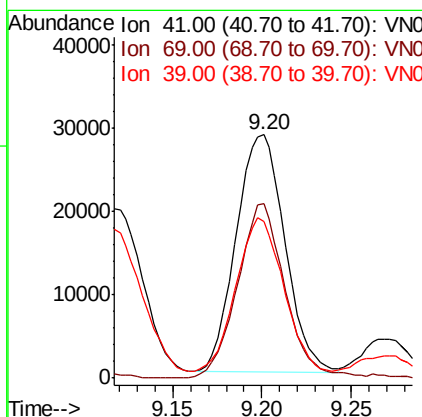
Manual Integrations
 APPROVED

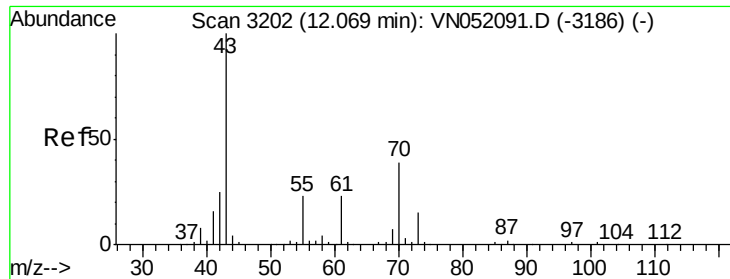
MMDadoda
 11/19/2018 12:45:52 PM



#46
 Methyl methacrylate
 Concen: 24.973 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.7	42.5	127.6
39	63.6	31.1	93.3





#47

n-amvl Acetate

Concen: 22.726 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

Tot Ion: 43 Resp: 90384

Ion Ratio Lower Upper

43 100

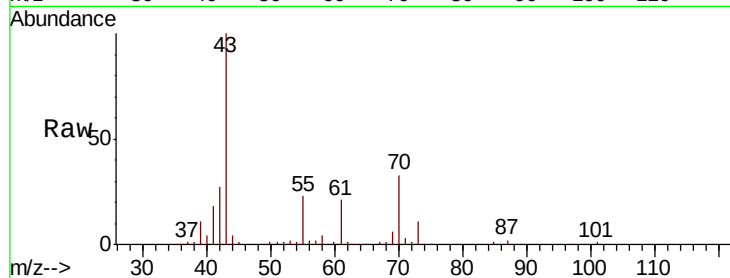
55 23.1 0.0 0.0#

Manual Integrations

APPROVED

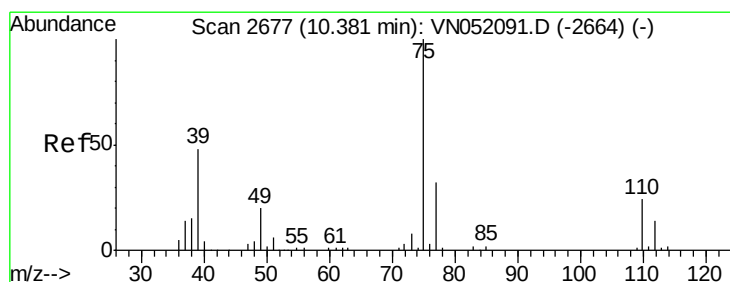
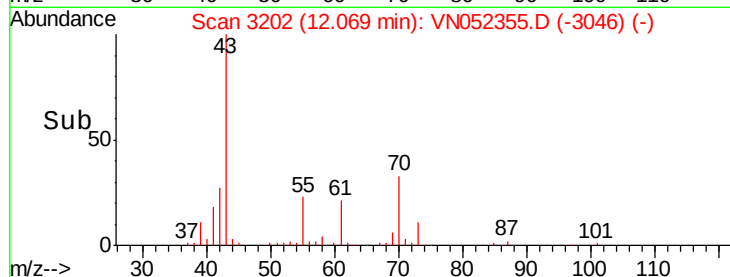
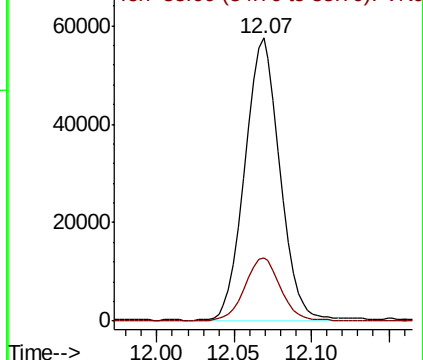
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 20.063 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052355.D

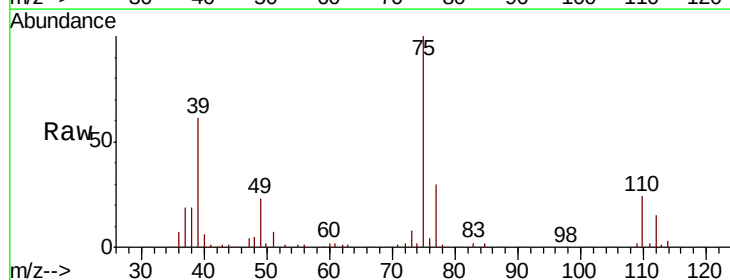
Acq: 16 Nov 2018 11:01

Tgt Ion: 75 Resp: 77541

Ion Ratio Lower Upper

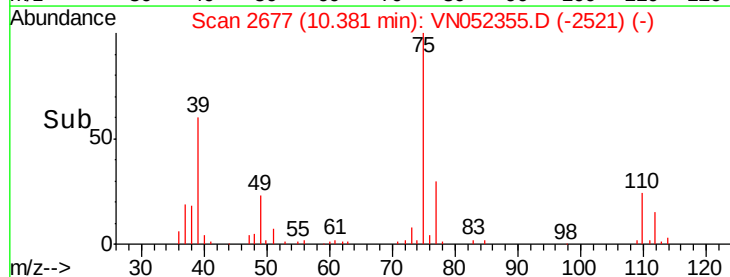
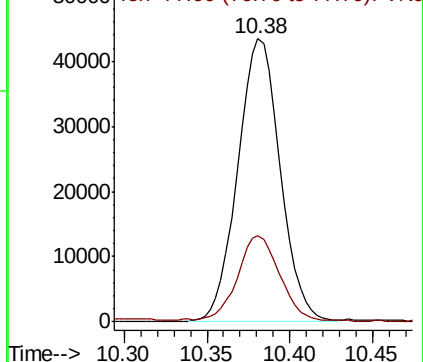
75 100

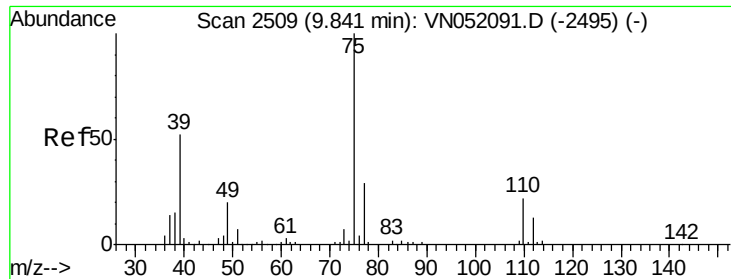
77 29.7 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

cis-1,3-Dichloropropene

Concen: 20.101 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

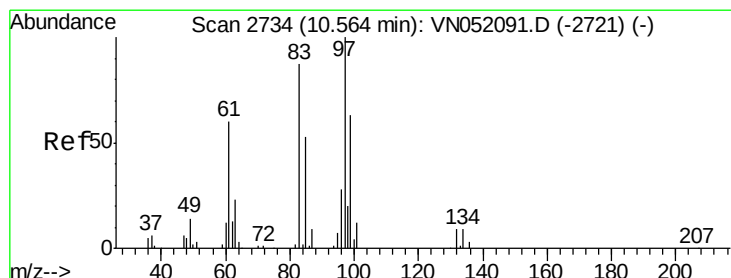
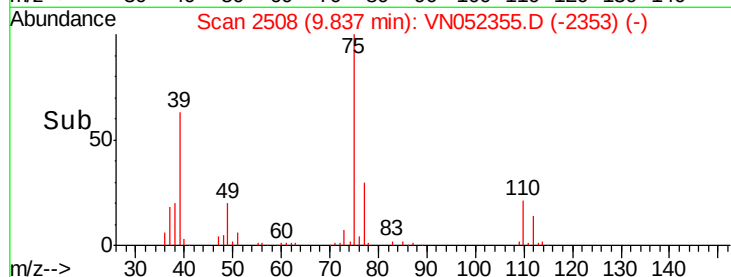
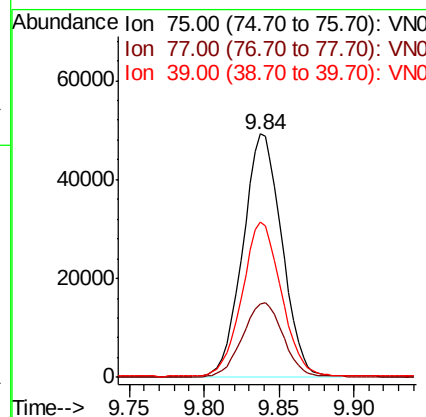
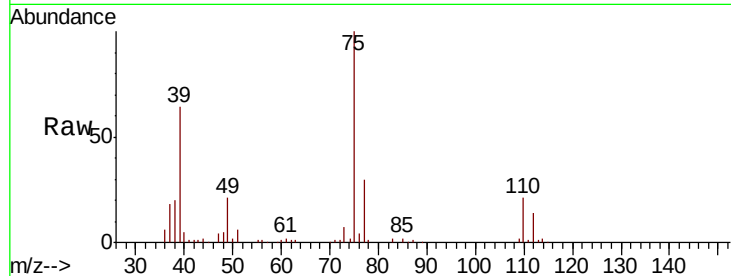
ClientSampleId :

VN1116WBS01

Tot Ion:	75	Resp:	89669
Ion Ratio	Lower	Upper	
75	100		
77	30.3	23.3	34.9
39	63.4	41.6	62.4#

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 19.436 ug/l

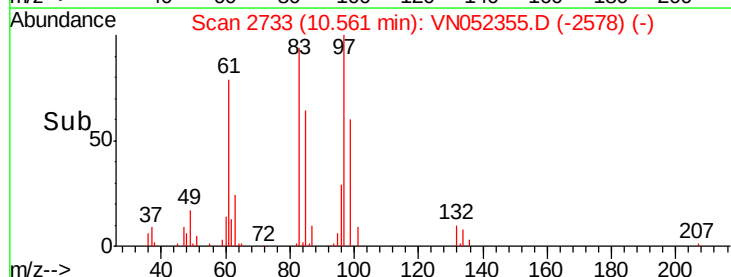
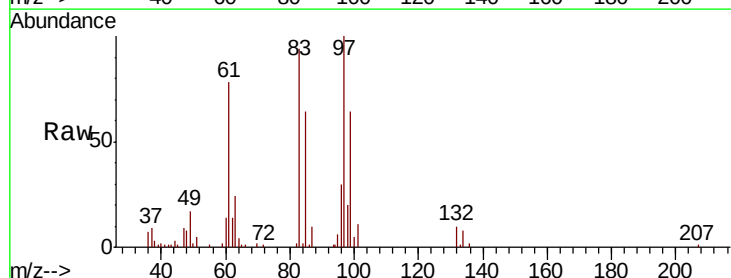
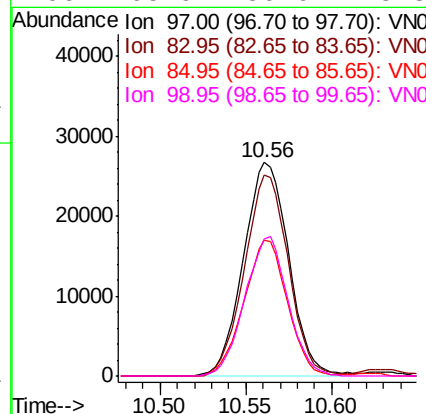
RT: 10.56 min Scan# 2733

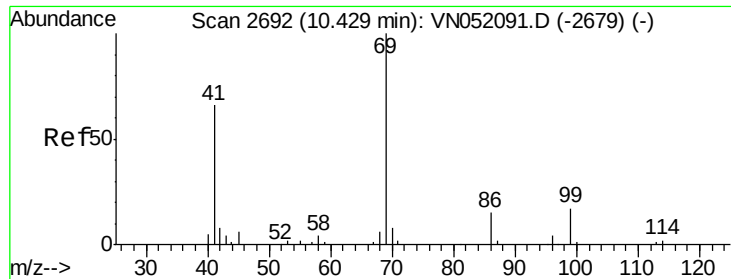
Delta R.T. -0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Tgt Ion:	97	Resp:	48891
Ion Ratio	Lower	Upper	
97	100		
83	93.8	69.4	104.0
85	63.6	42.7	64.1
99	63.9	50.6	75.8





#51

Ethyl methacrylate

Concen: 20.045 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

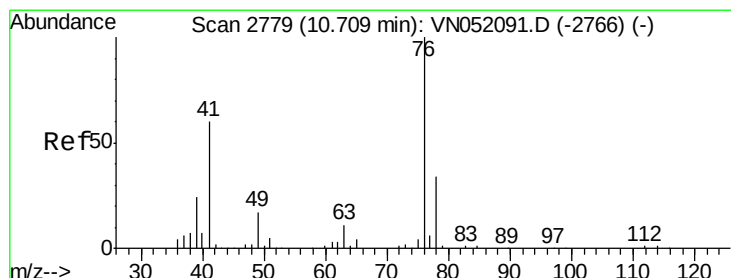
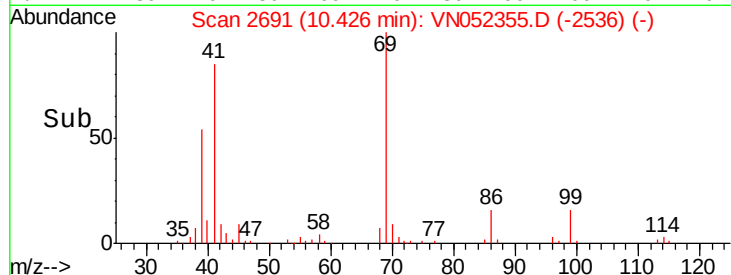
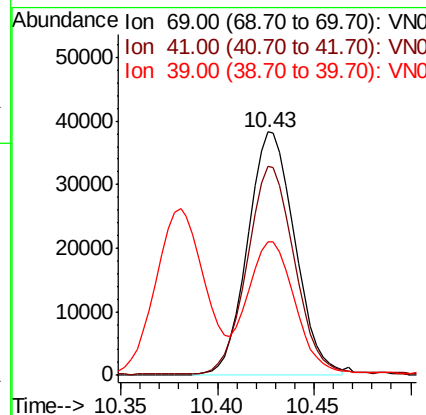
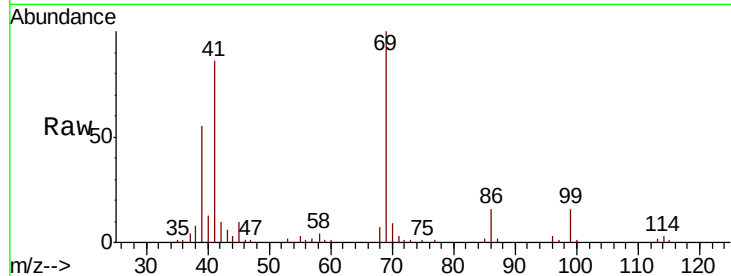
ClientSampleId :

VN1116WBS01

Tot Ion:	69	Resp:	65166
Ion	Ratio	Lower	Upper
69	100		
41	85.2	33.0	99.0
39	53.2	20.7	62.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.125 ug/l

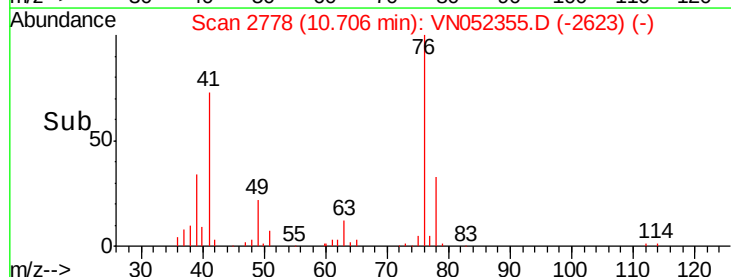
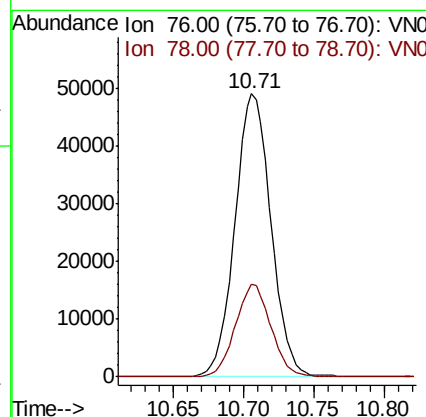
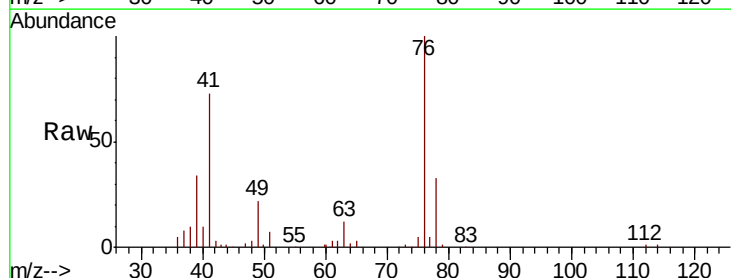
RT: 10.71 min Scan# 2778

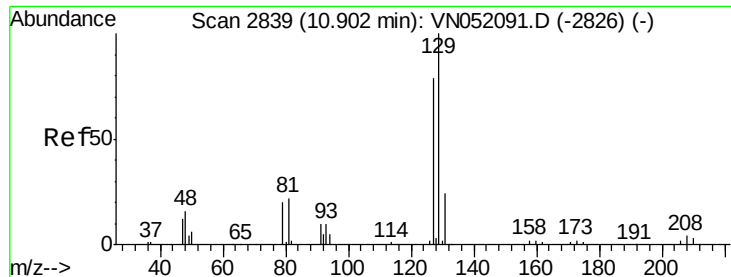
Delta R.T. -0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Tgt Ion:	76	Resp:	88179
Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	65.0





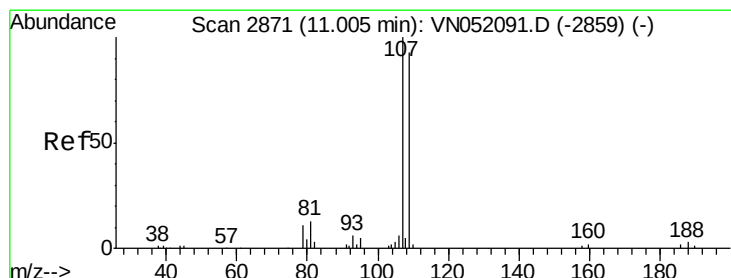
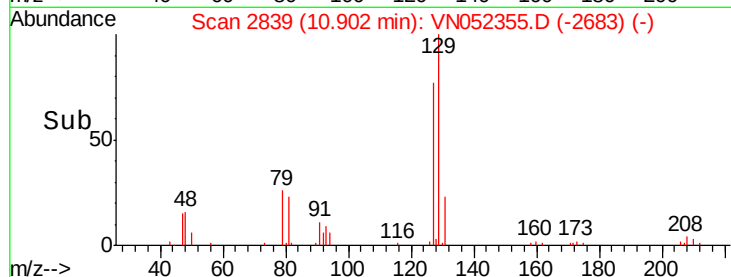
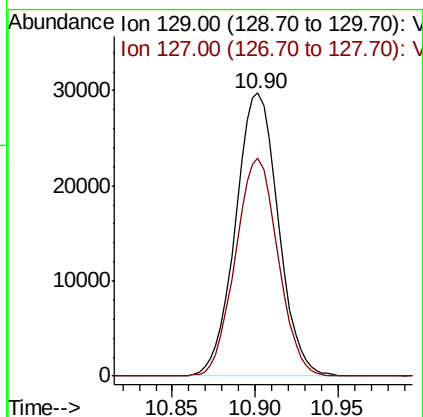
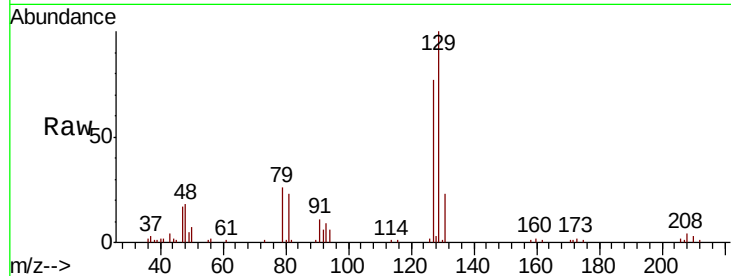
#53
Dibromochloromethane
Concen: 19.700 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.3	39.2	117.6

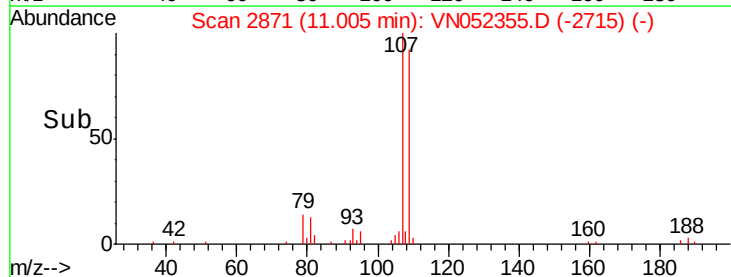
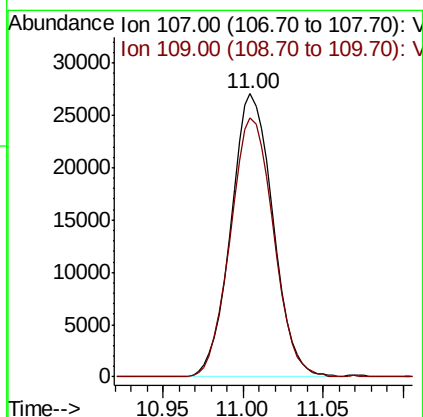
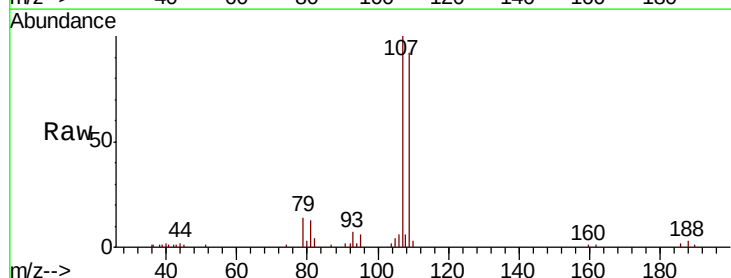
Manual Integrations
APPROVED

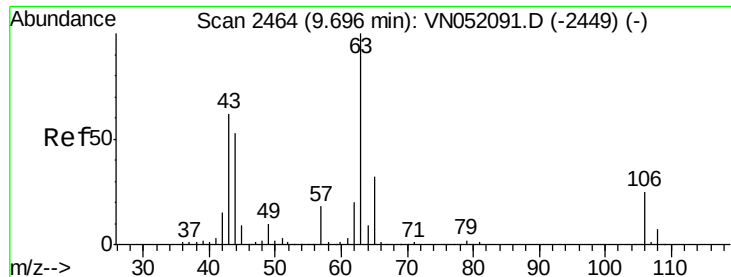
MMDadoda
11/19/2018 12:45:52 PM



#54
1,2-Dibromoethane
Concen: 18.969 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.8	77.0	115.6





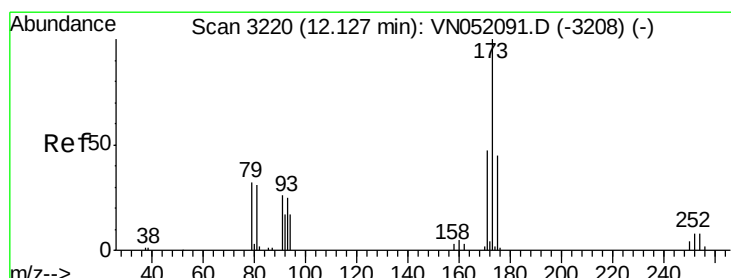
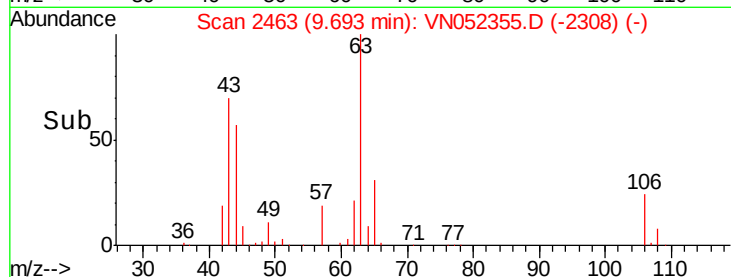
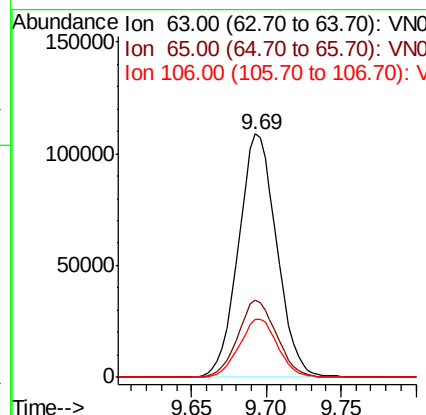
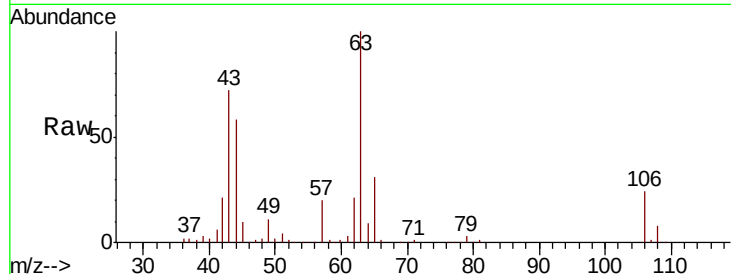
#55
2-Chloroethyl vinyl ether
Concen: 108.792 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.5	38.3
106	24.1	20.4	30.6

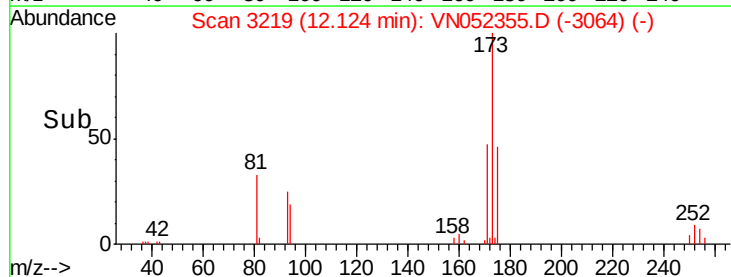
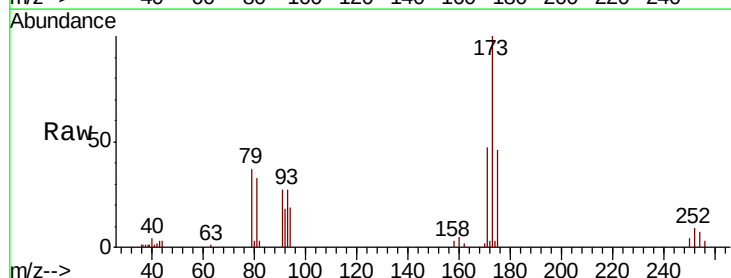
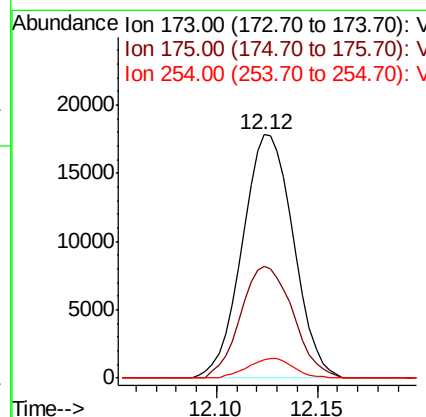
Manual Integrations
APPROVED

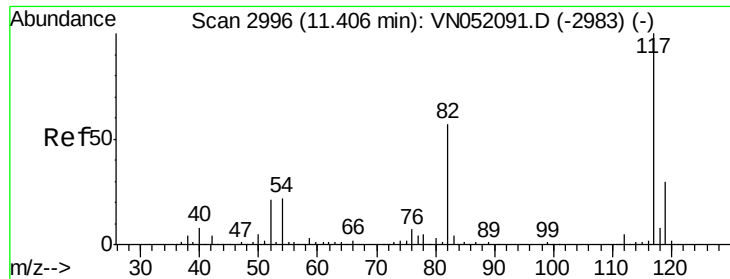
MMDadoda
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#56
Bromoform
Concen: 20.132 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.1	37.3	55.9
254	7.2	7.0	10.6





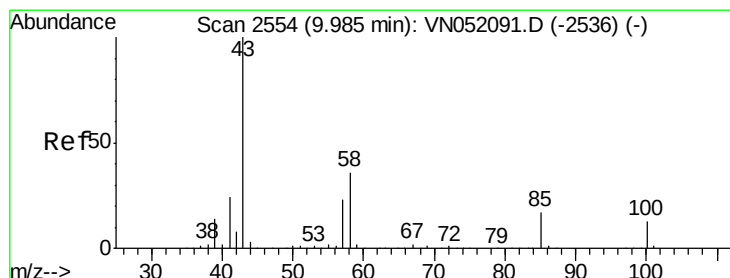
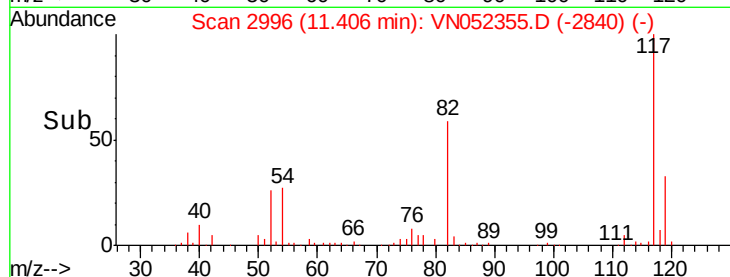
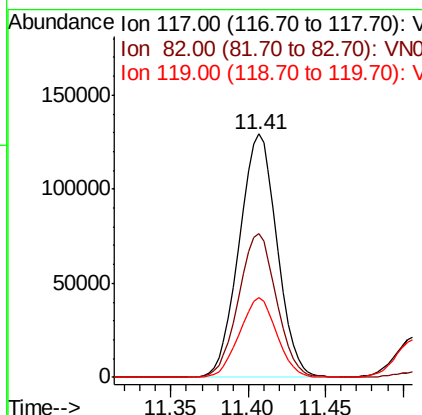
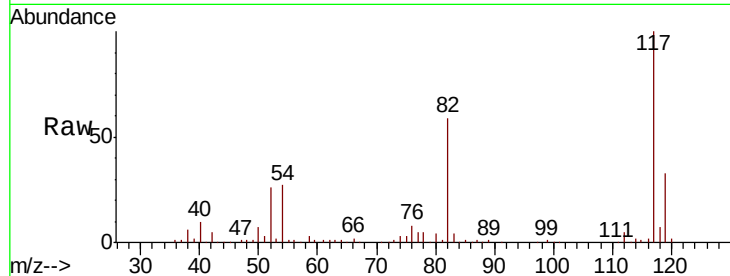
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	45.0	67.6
119	32.2	24.2	36.4

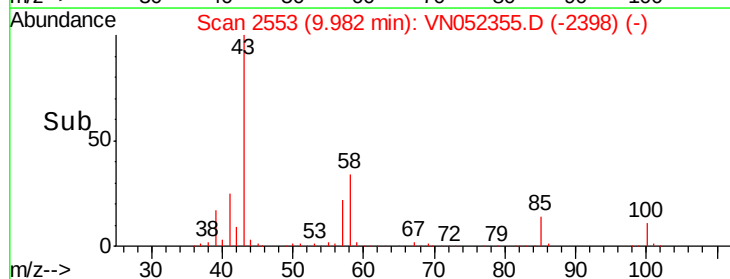
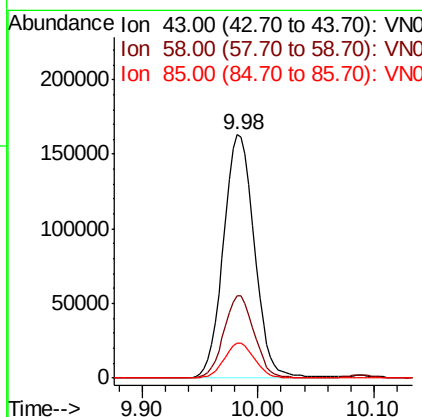
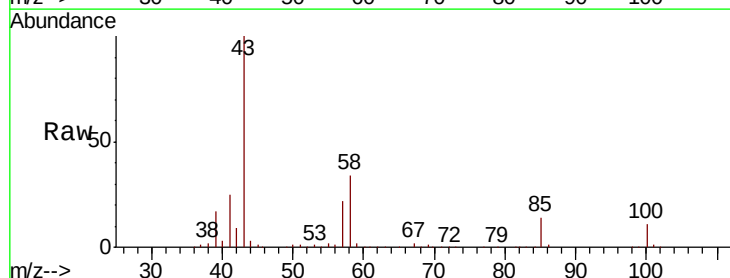
Manual Integrations
APPROVED

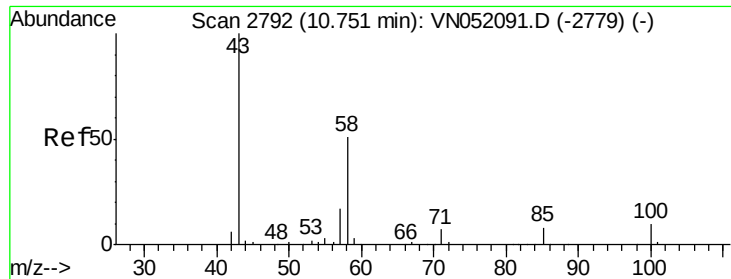
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#58
4-Methyl-2-Pentanone
Concen: 126.529 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.6	29.0	43.6
85	14.2	13.4	20.2





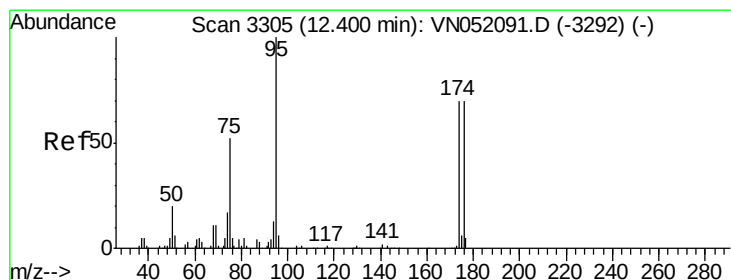
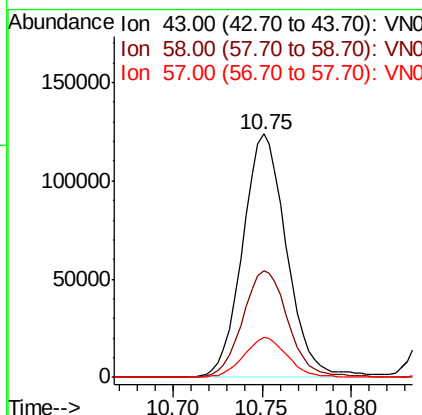
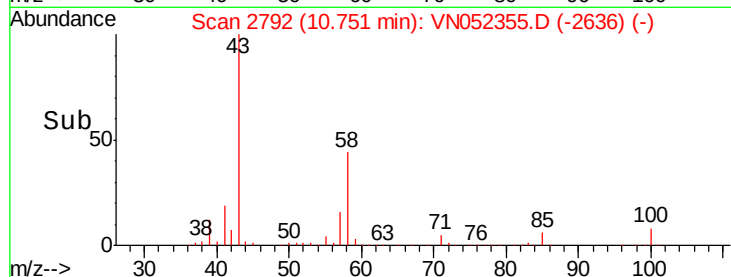
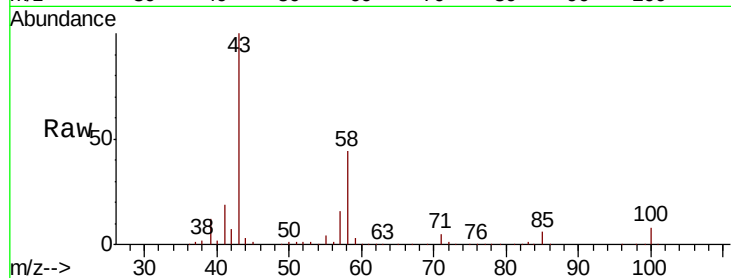
#59
2-Hexanone
Concen: 129.338 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.1	40.8	61.2
57	16.5	13.8	20.8

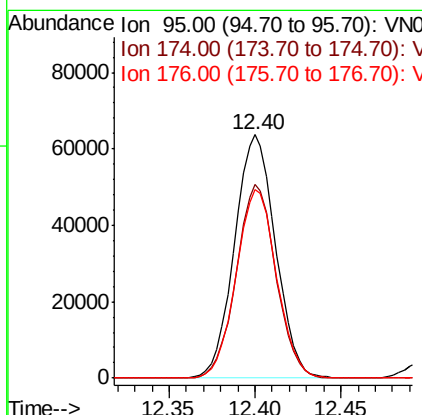
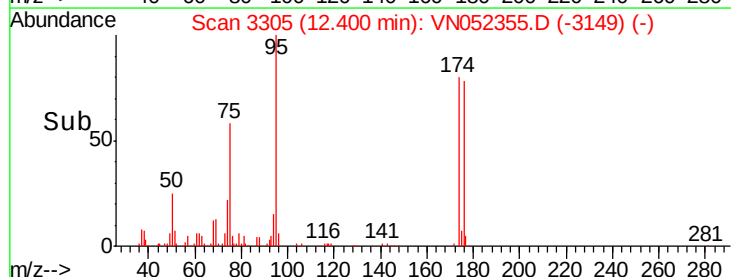
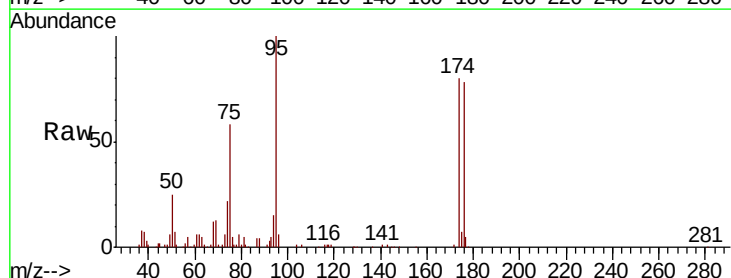
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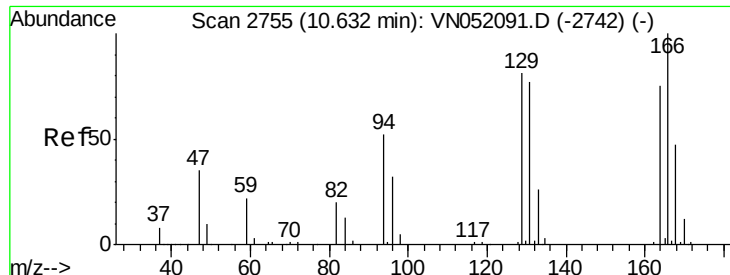
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 129.338 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.0	55.0	82.6
176	76.4	54.2	81.4





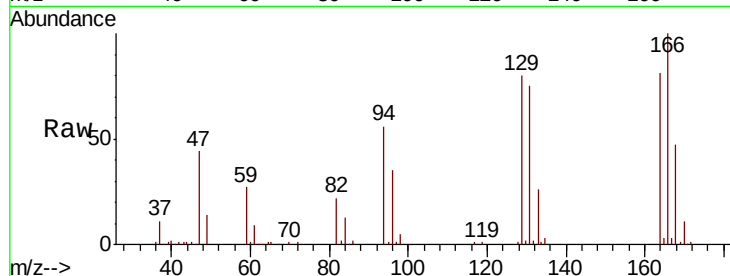
#61
Tetrachloroethene
Concen: 22.123 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.0	106.4	159.6
129	99.5	87.0	130.4
131	93.2	81.4	122.2

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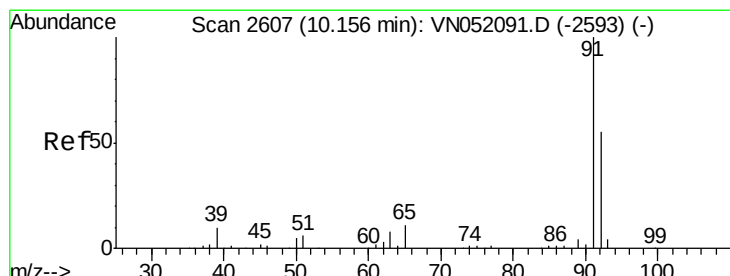
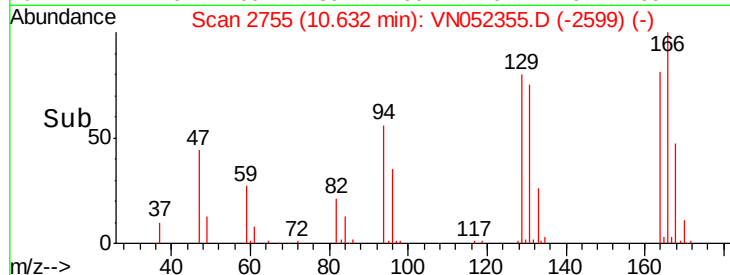
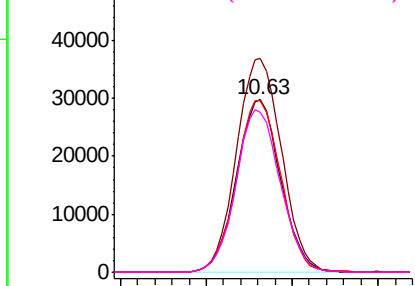
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

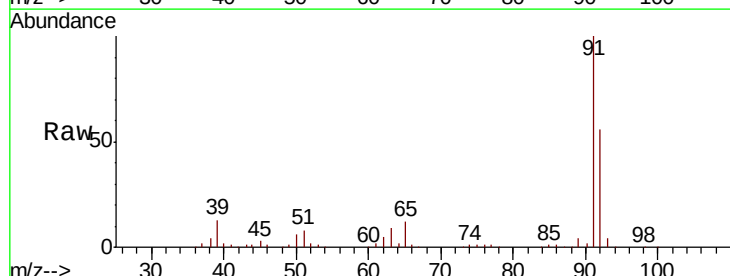
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 19.269 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

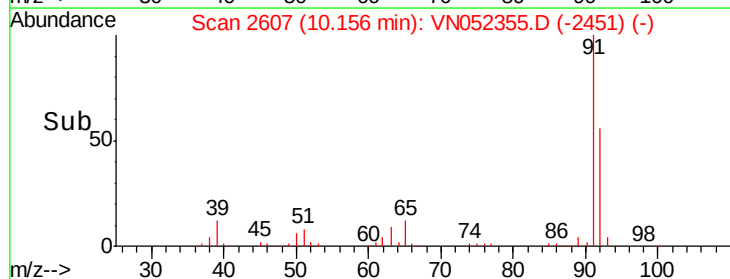
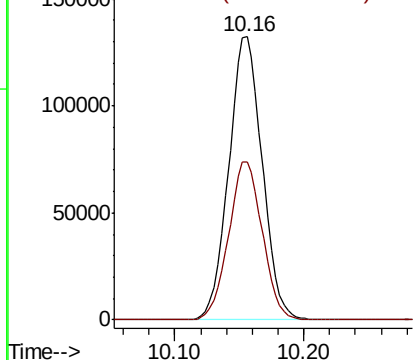
Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.2	44.6	67.0

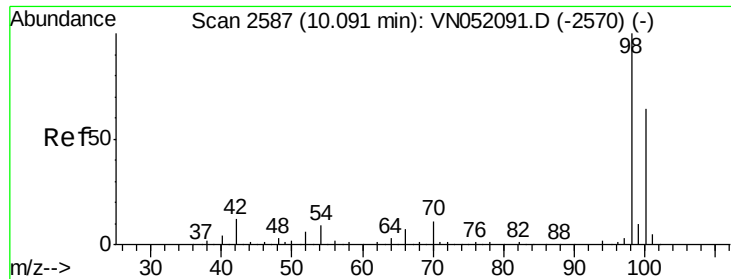


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 19.269 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

Tot Ion: 98 Resp: 310724

Ion Ratio Lower Upper

98 100

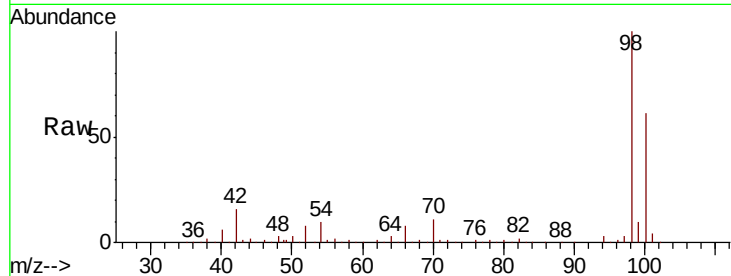
100 62.3 50.7 76.1

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Abundance Ion 98.00 (97.70 to 98.70): VN052091.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052091.D (-2570) (-)

200000

150000

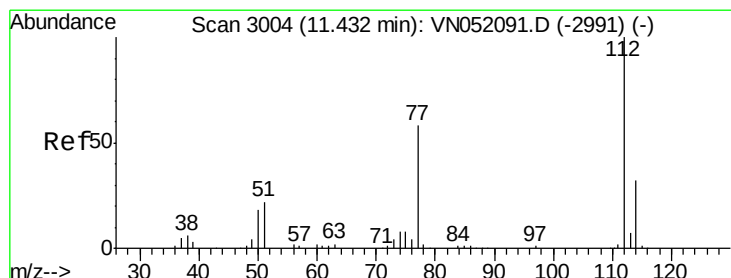
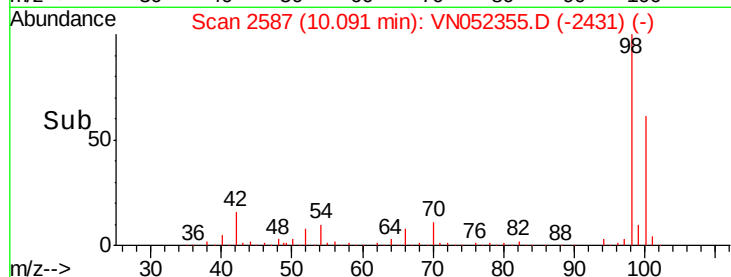
100000

50000

0

10.00 10.05 10.10 10.15

Time-->



#64

Chlorobenzene

Concen: 18.748 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052355.D

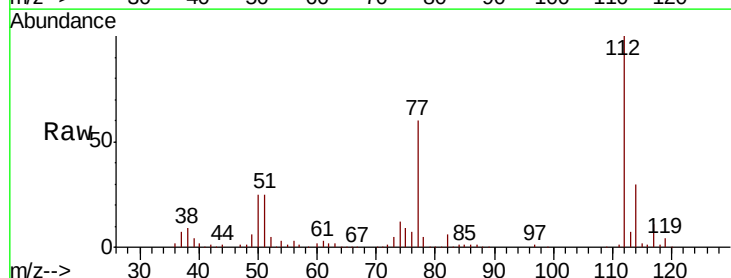
Acq: 16 Nov 2018 11:01

Tgt Ion: 112 Resp: 147115

Ion Ratio Lower Upper

112 100

114 30.3 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): VN052091.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN052091.D (-2991) (-)

100000

80000

60000

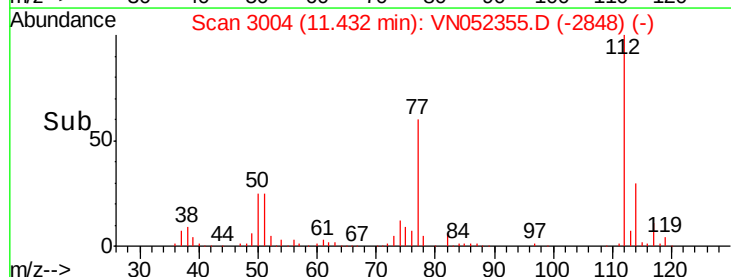
40000

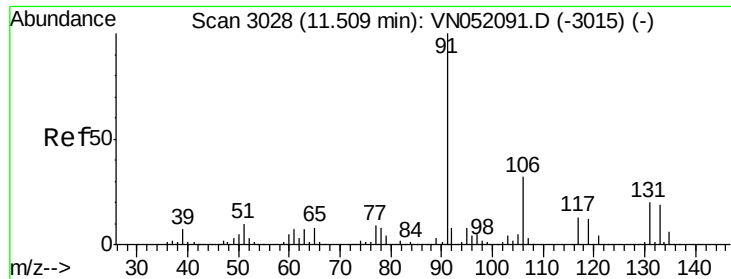
20000

0

11.35 11.40 11.45 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.665 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

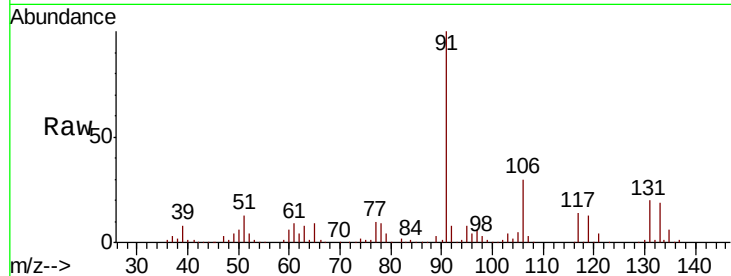
ClientSampleId :

VN1116WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.3	0.0	188.8
119	64.7	0.0	131.4

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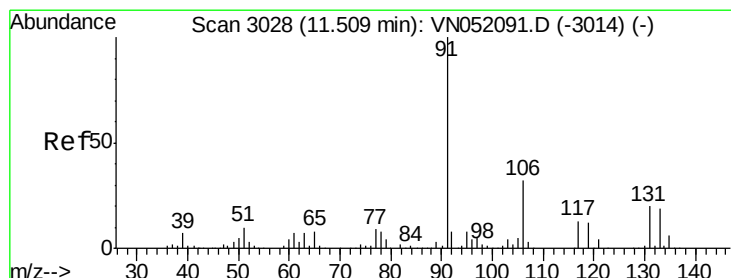
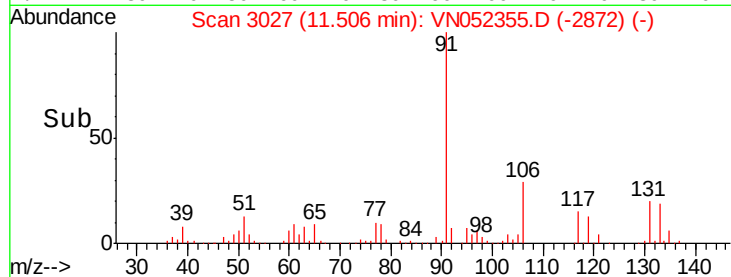
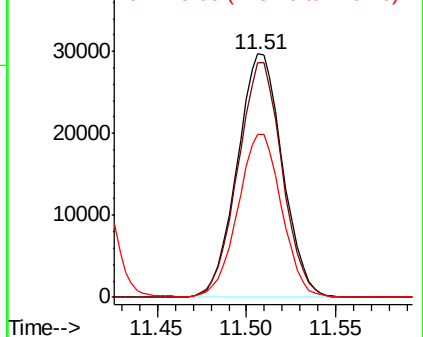


Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.182 ug/l

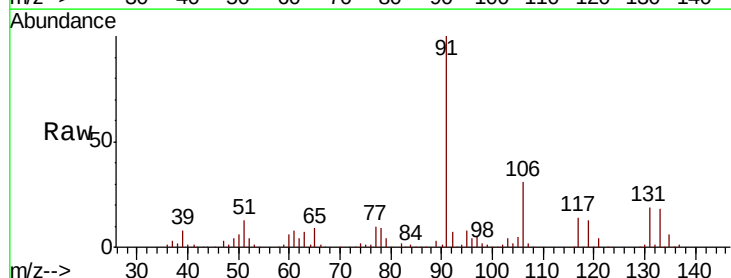
RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

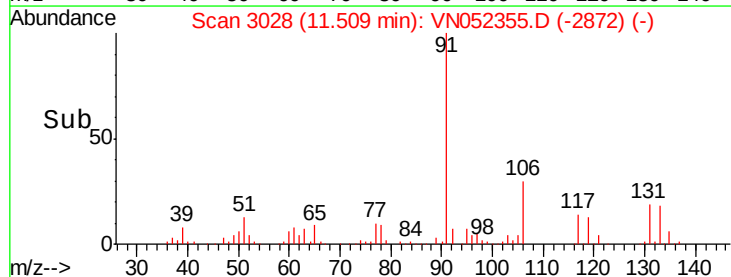
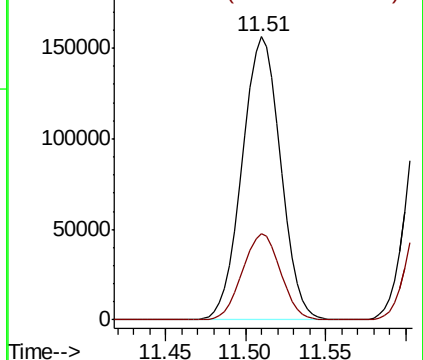
Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.6	25.7	38.5

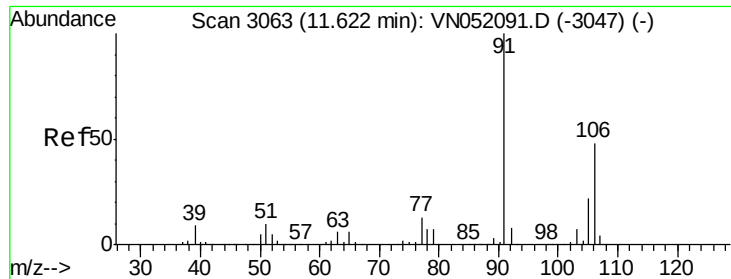


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 36.822 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

Tot Ion:106 Resp: 189593

Ion Ratio Lower Upper

106 100

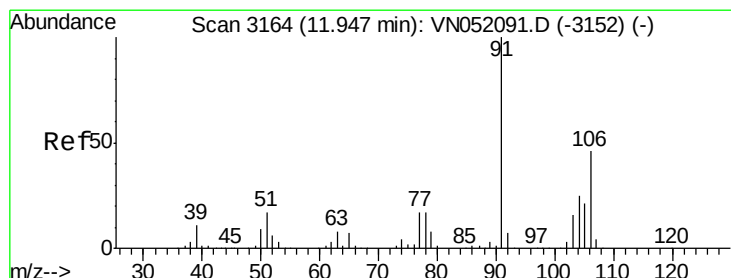
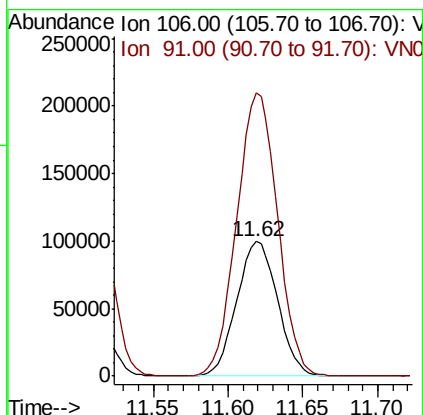
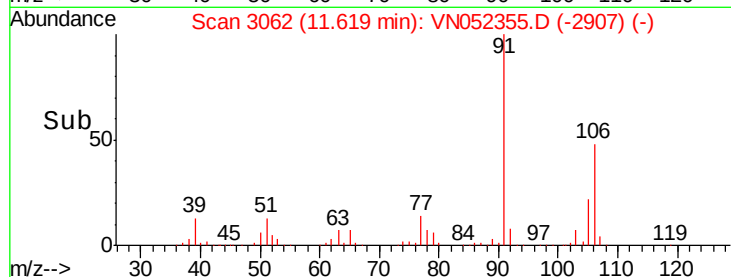
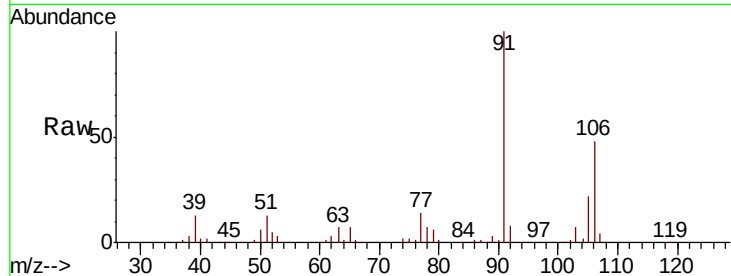
91 209.7 163.6 245.4

Manual Integrations

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#68

o-Xylene

Concen: 18.933 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN052355.D

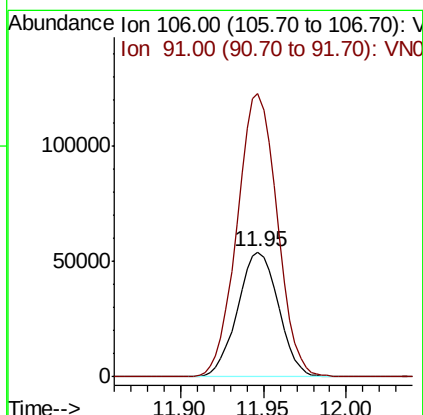
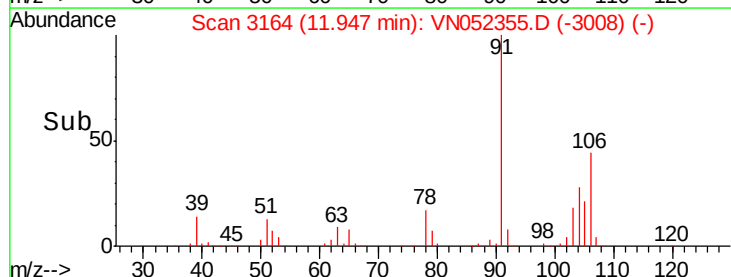
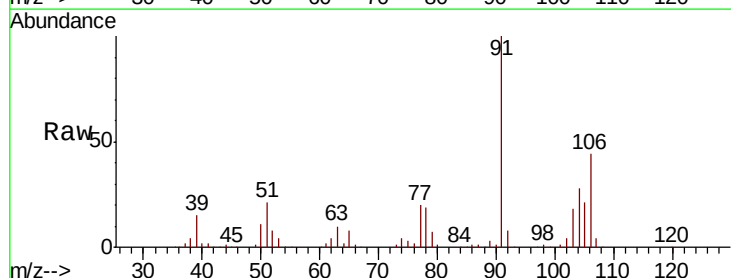
Acq: 16 Nov 2018 11:01

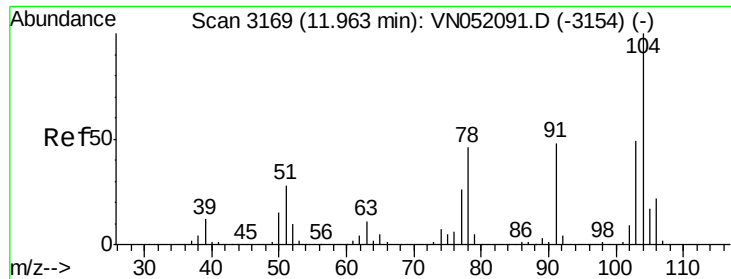
Tgt Ion:106 Resp: 92939

Ion Ratio Lower Upper

106 100

91 222.4 110.0 330.0





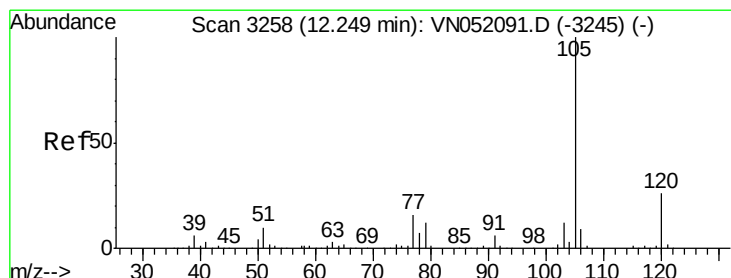
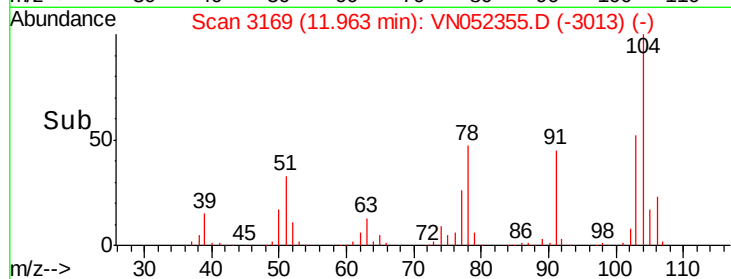
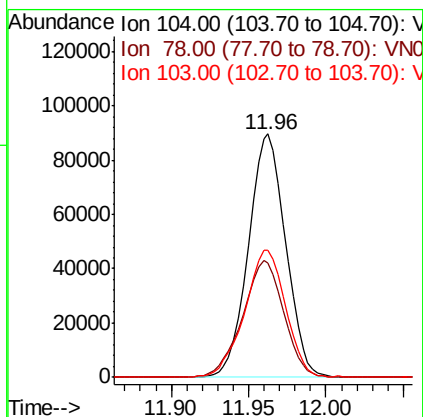
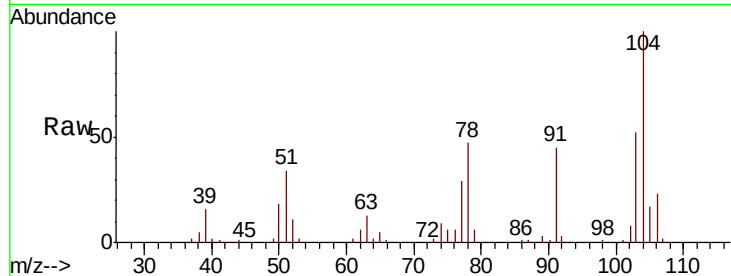
#69
Stvrene
Concen: 19.046 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.0	41.3	61.9
103	57.1	43.3	64.9

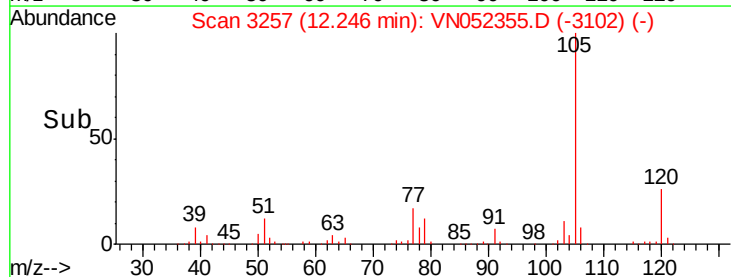
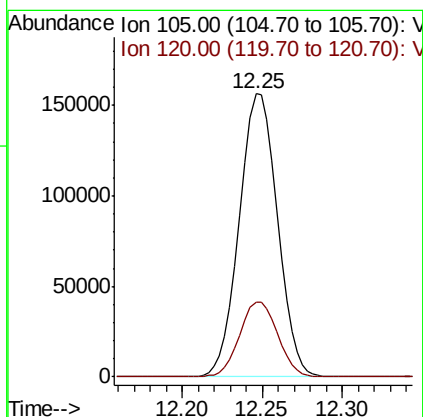
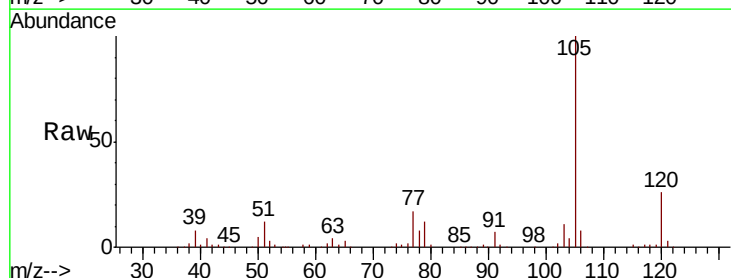
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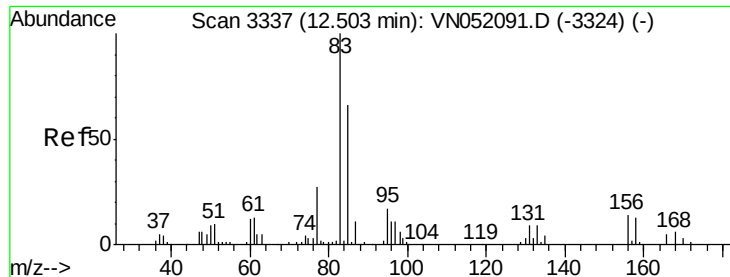
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#70
Isopropylbenzene
Concen: 19.315 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.4	34.2





#71

1,1,2,2-Tetrachloroethane

Concen: 20.727 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

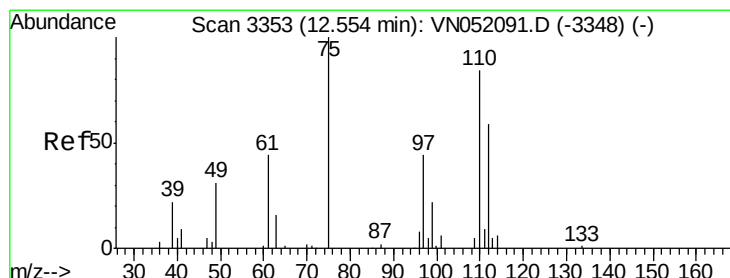
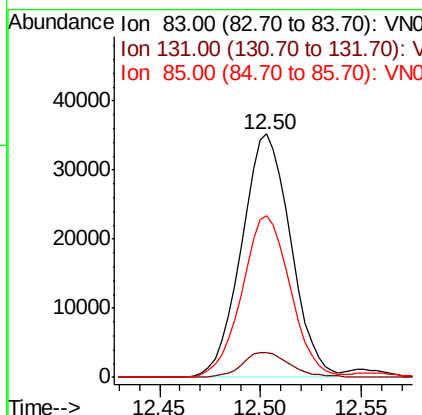
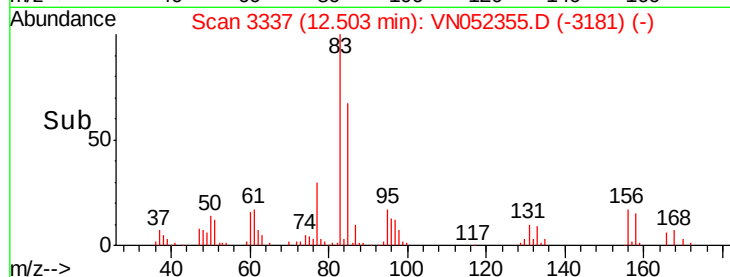
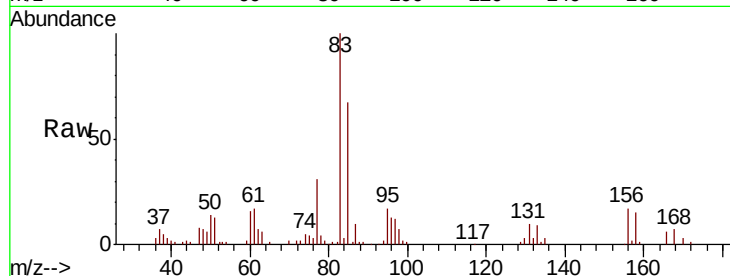
ClientSampleId :

VN1116WBS01

Tot Ion:	83	Resp:	60079
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.8	14.3
85	65.4	32.7	98.1

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#72

1,2,3-Trichloropropane

Concen: 20.104 ug/l m

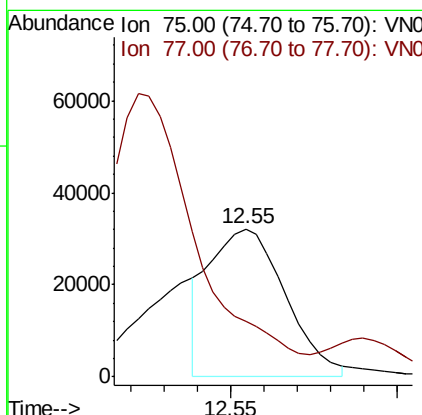
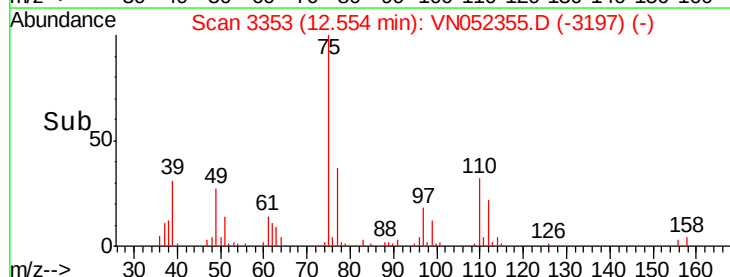
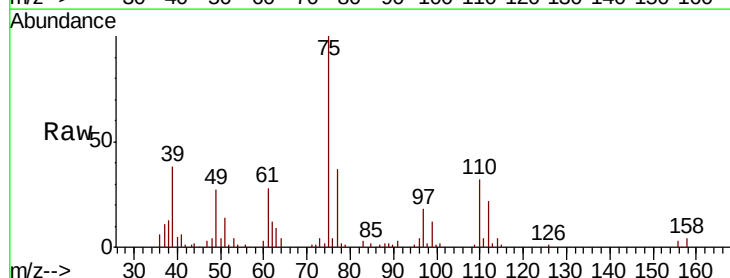
RT: 12.55 min Scan# 3353

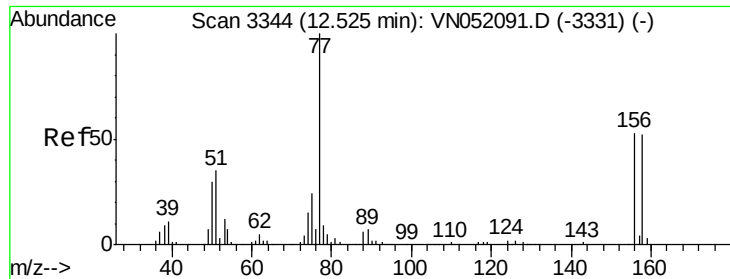
Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Tgt Ion:	75	Resp:	51236
Ion	Ratio	Lower	Upper
75	100		
77	238.3	0.0	481.8





#73

Bromobenzene

Concen: 19.941 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

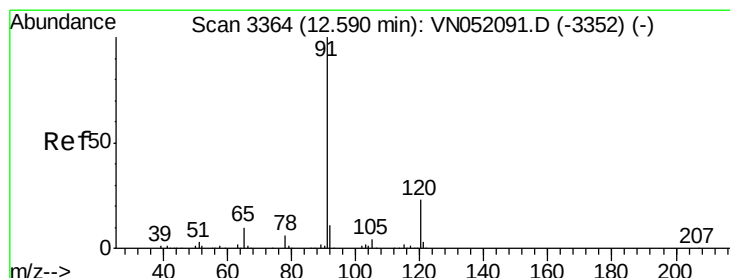
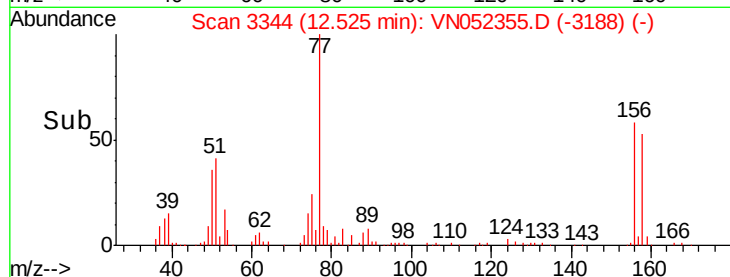
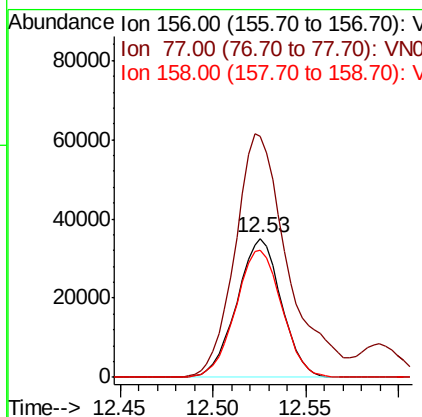
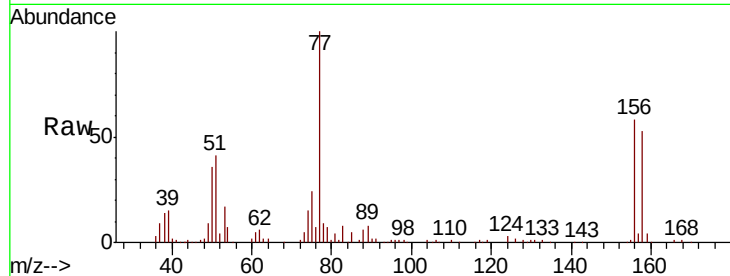
ClientSampleId :

VN1116WBS01

Tot Ion:	156	Resp:	58228
Ion	Ratio	Lower	Upper
156	100		
77	209.7	0.0	428.0
158	95.3	0.0	196.8

Manual Integrations
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#74

n-propylbenzene

Concen: 19.678 ug/l

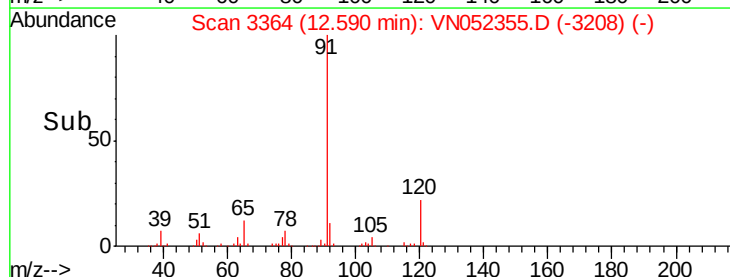
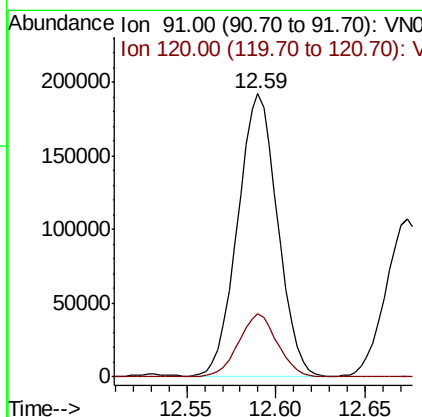
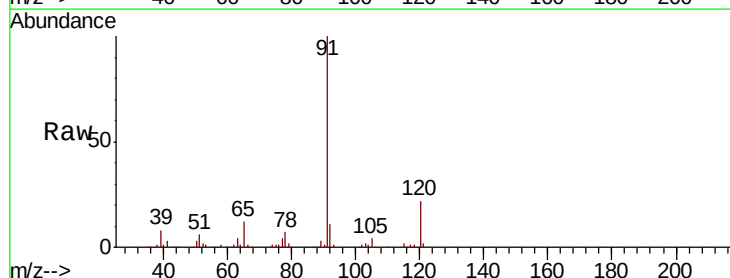
RT: 12.59 min Scan# 3364

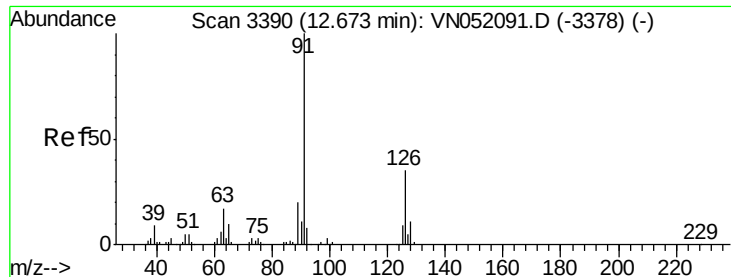
Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Tgt Ion:	91	Resp:	301975
Ion	Ratio	Lower	Upper
91	100		
120	21.5	0.0	44.8





#75

2-Chlorotoluene

Concen: 20.016 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

Tot Ion: 91 Resp: 177090

Ion Ratio Lower Upper

91 100

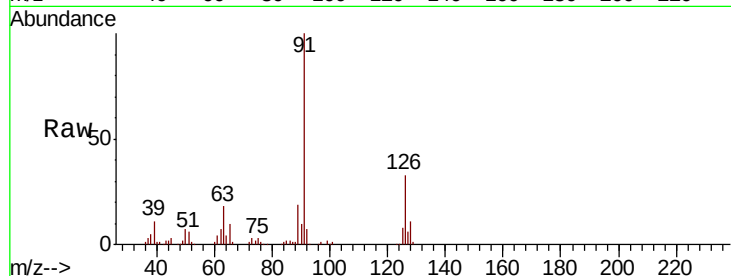
126 32.4 0.0 68.0

Manual Integrations

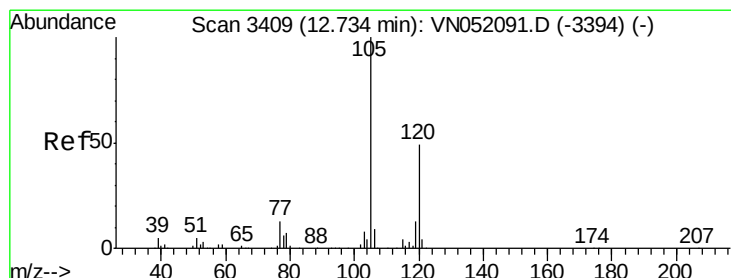
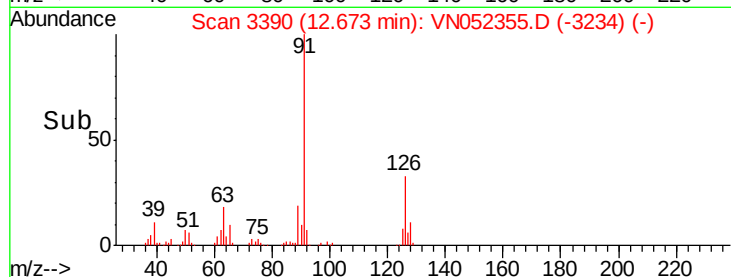
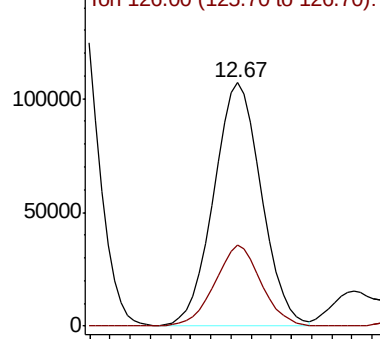
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Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.876 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052355.D

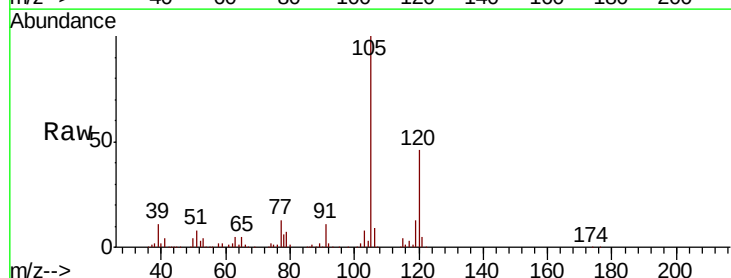
Acq: 16 Nov 2018 11:01

Tgt Ion: 105 Resp: 210032

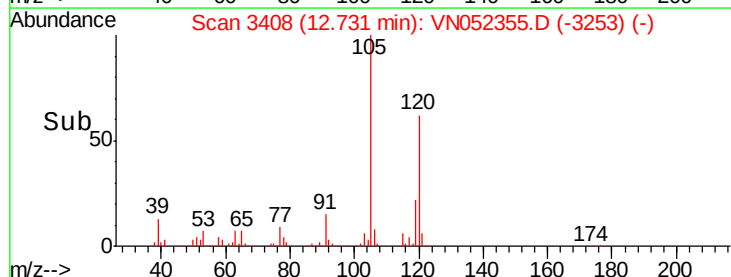
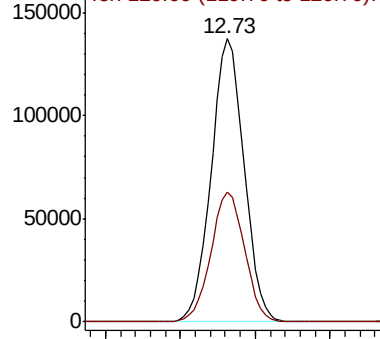
Ion Ratio Lower Upper

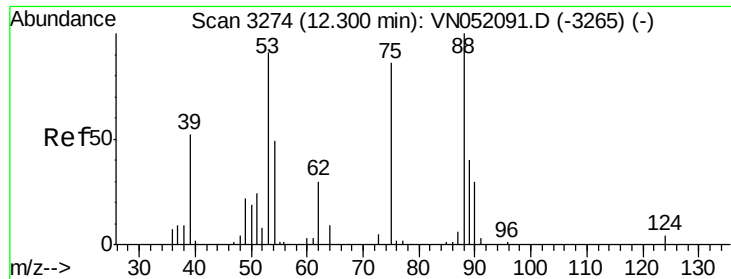
105 100

120 46.8 0.0 95.8



Abundance Ion 105.00 (104.70 to 105.70): VN052091.D (-3394) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 19.804 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

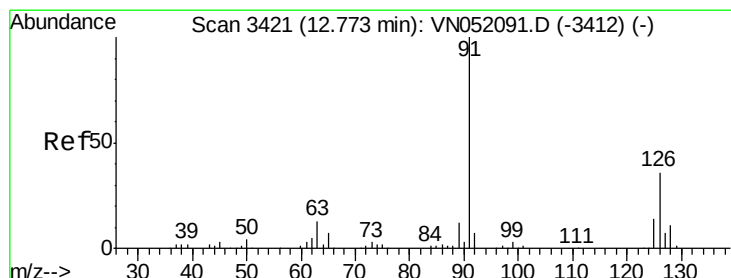
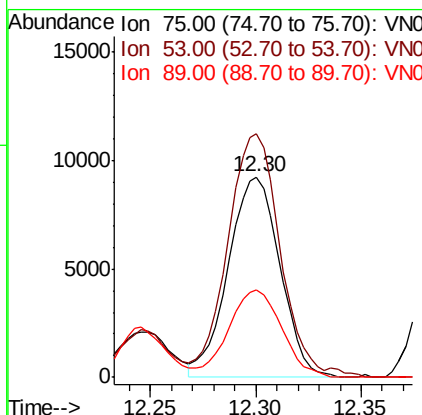
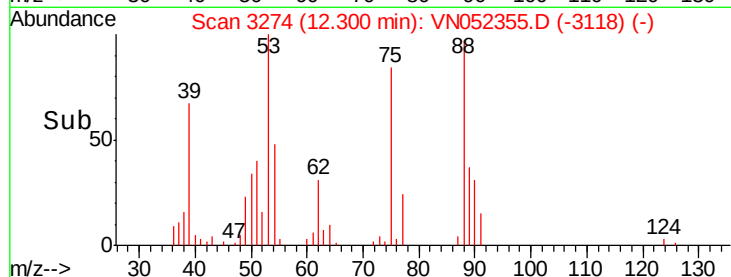
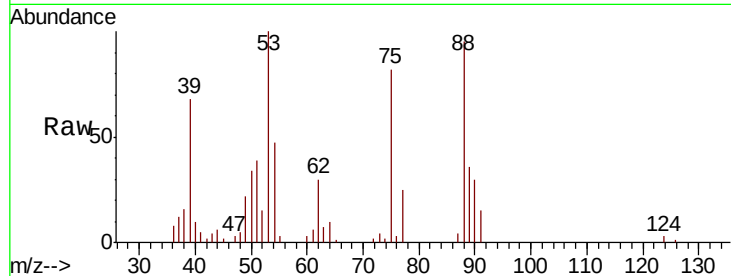
ClientSampleId :

VN1116WBS01

Tot Ion:	75	Resp:	15792
Ion	Ratio	Lower	Upper
75	100		
53	117.5	50.7	152.1
89	43.7	23.8	71.5

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.798 ug/l

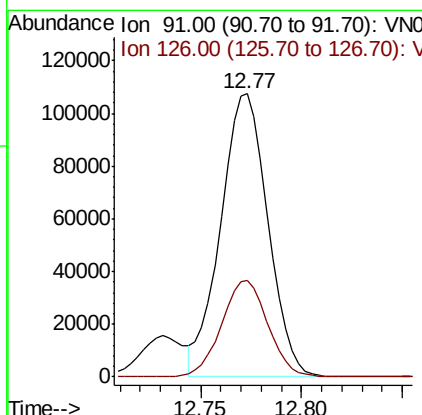
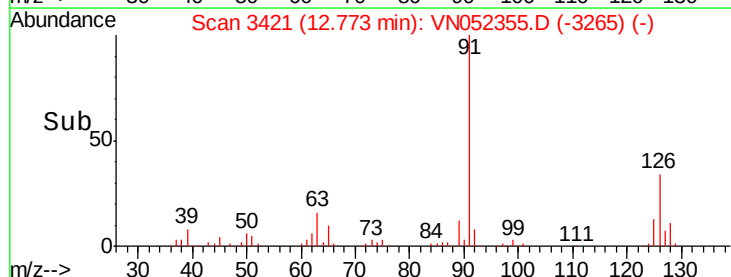
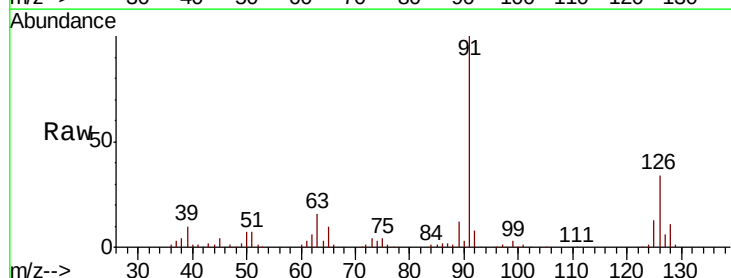
RT: 12.77 min Scan# 3421

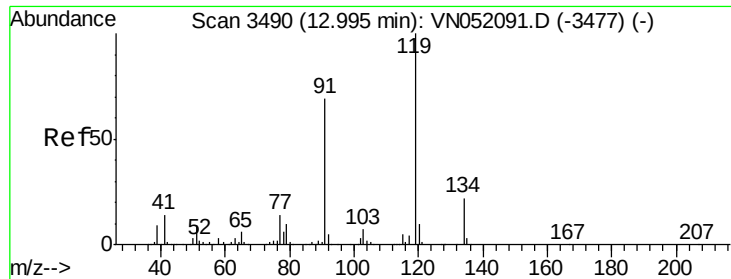
Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Tgt Ion:	91	Resp:	176388
Ion	Ratio	Lower	Upper
91	100		
126	33.4	0.0	68.0





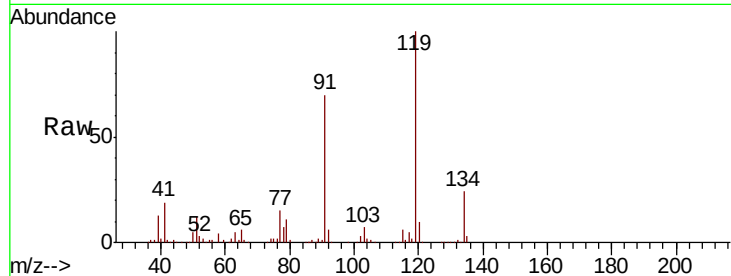
#79
tert-butylbenzene
Concen: 19.495 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	179445		
91	69.5	0.0	131.2	
134	25.4	0.0	45.8	

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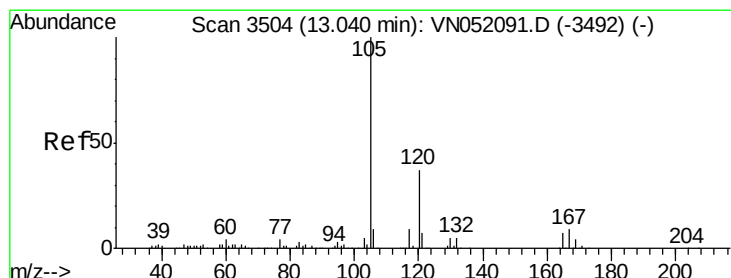
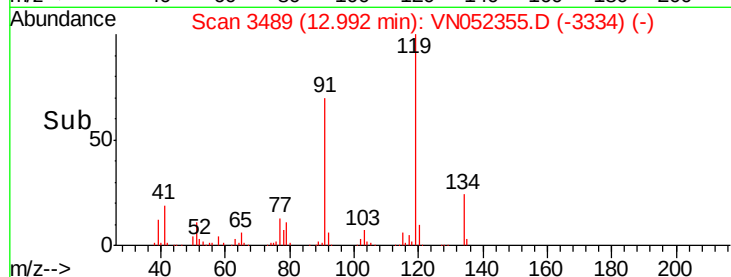
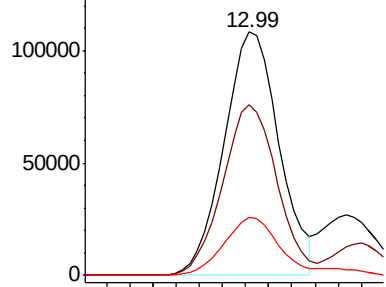


Abundance

Ion 119.00 (118.70 to 119.70): V

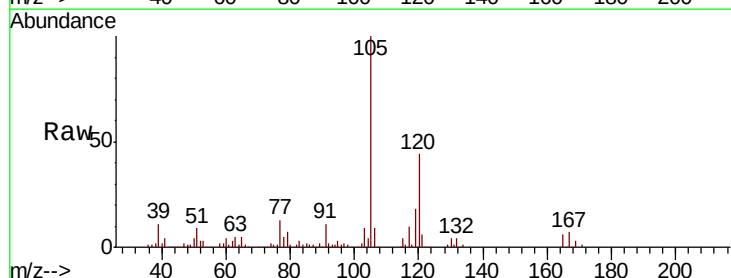
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80
1,2,4-Trimethylbenzene
Concen: 20.105 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

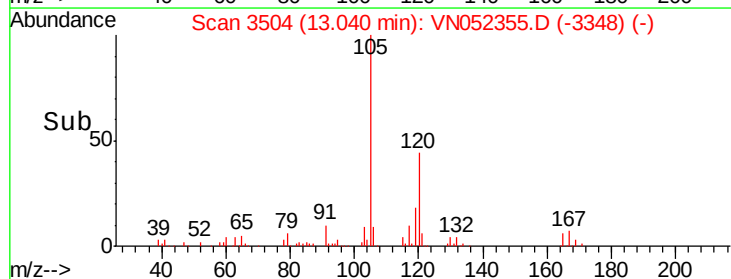
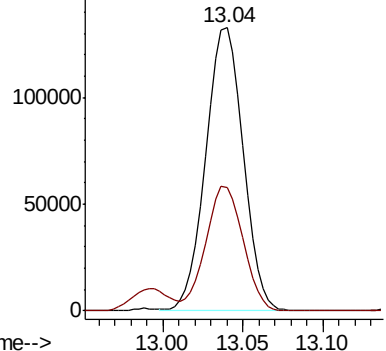
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	211641		
120	43.8	0.0	89.4	

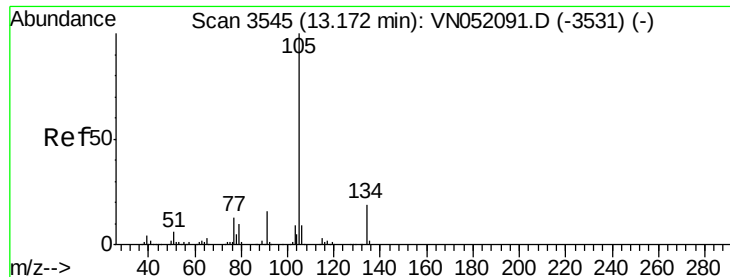


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





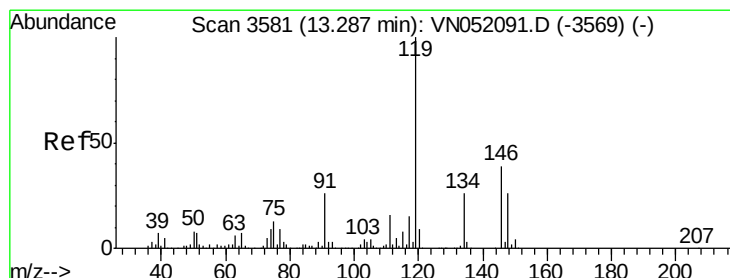
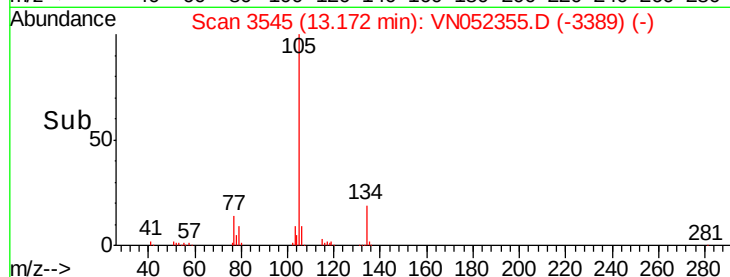
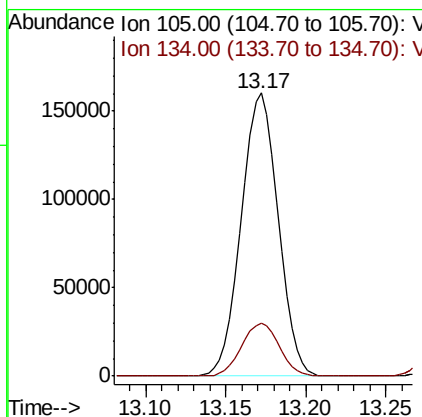
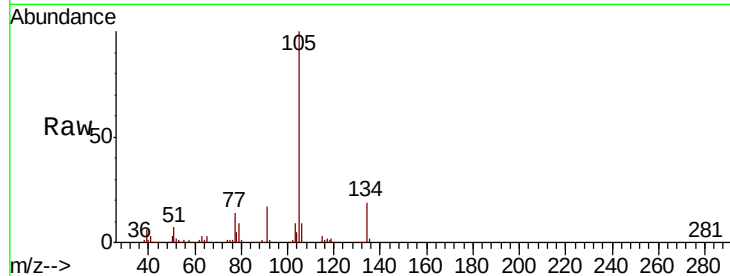
#81
 sec-Butylbenzene
 Concen: 19.879 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	0.0	38.6

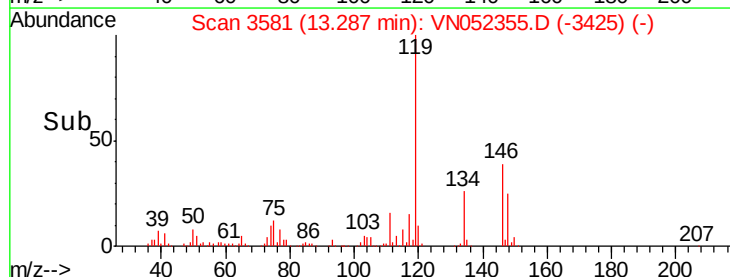
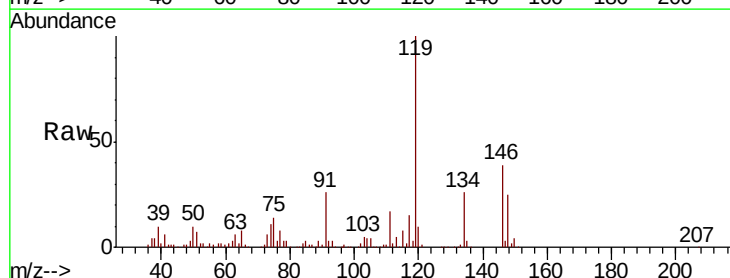
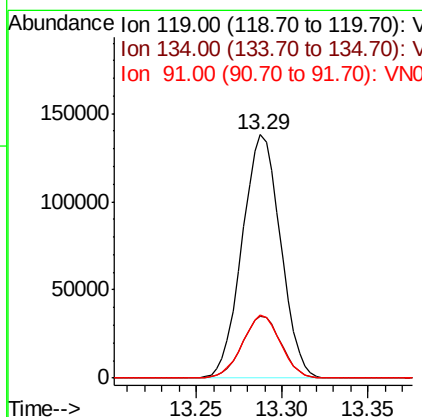
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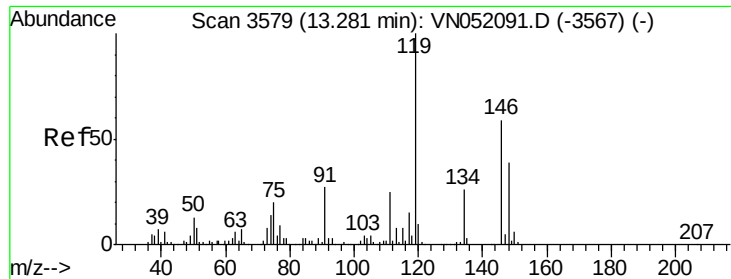
MMDadoda
 11/19/2018 12:45:52 PM



#82
 p-Isopropyltoluene
 Concen: 20.039 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	0.0	52.0
91	25.7	0.0	50.8





#83

1,3-Dichlorobenzene

Concen: 19.965 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

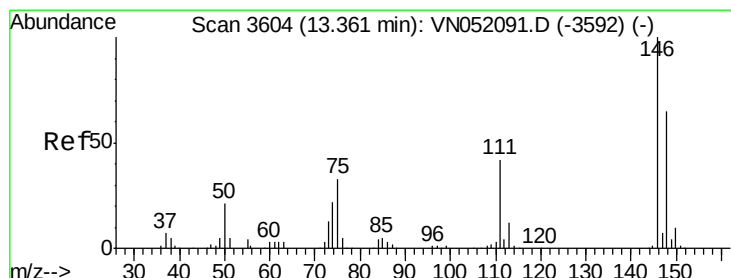
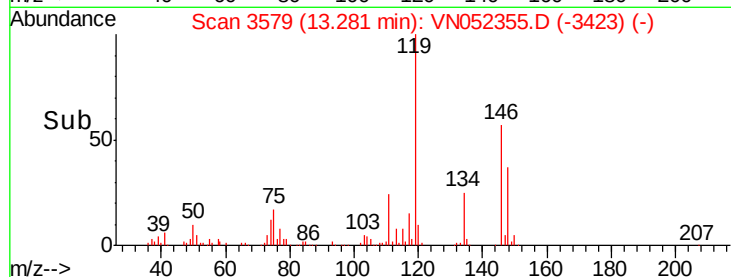
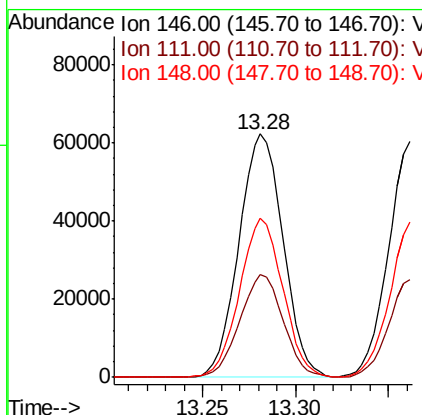
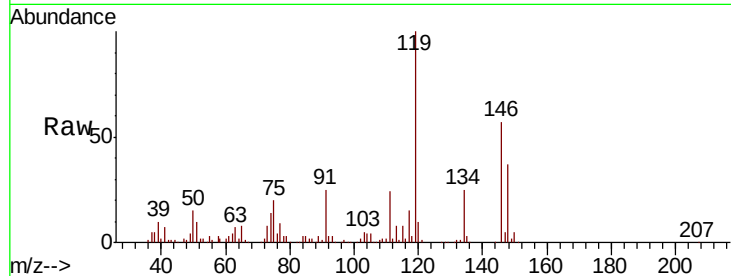
ClientSampleId :

VN1116WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.0	63.0
148	64.1	33.4	100.2

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#84

1,4-Dichlorobenzene

Concen: 19.815 ug/l

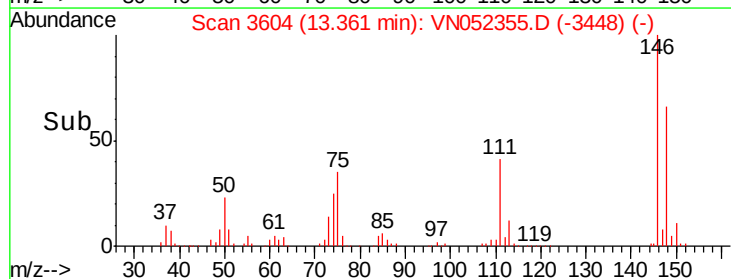
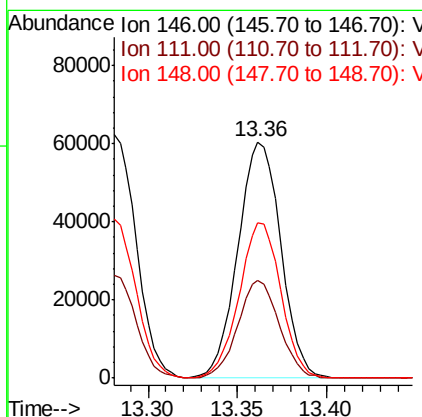
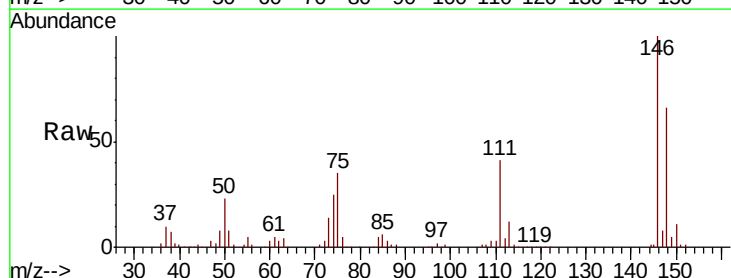
RT: 13.36 min Scan# 3604

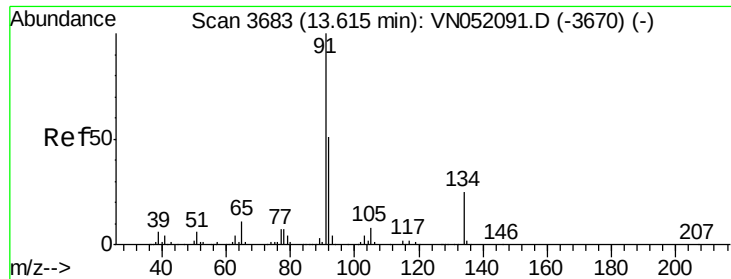
Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.4	64.2
148	64.2	32.6	98.0





#85

n-Butylbenzene

Concen: 20.335 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

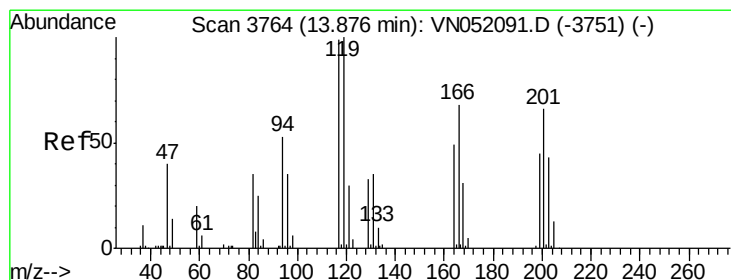
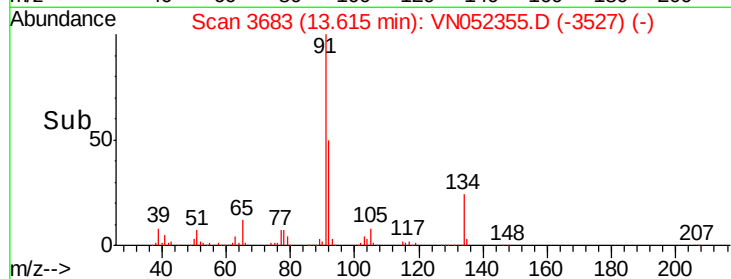
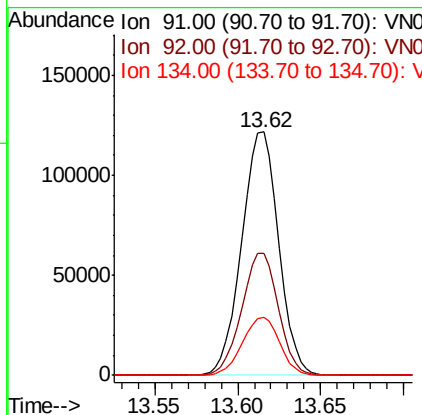
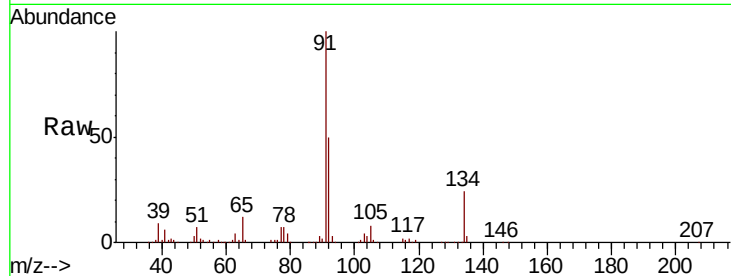
ClientSampleId :

VN1116WBS01

Tot Ion:	91	Resp:	188413
Ion Ratio	Lower	Upper	
91	100		
92	49.7	0.0	102.8
134	24.0	0.0	49.2

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#86

Hexachloroethane

Concen: 20.024 ug/l

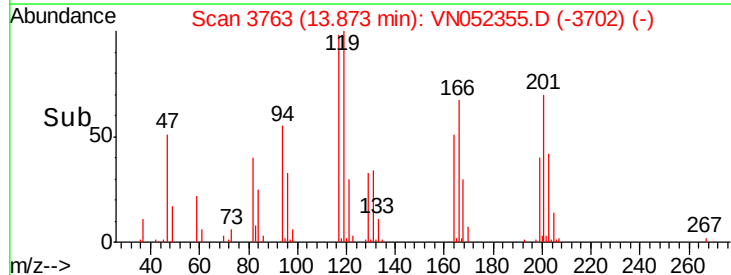
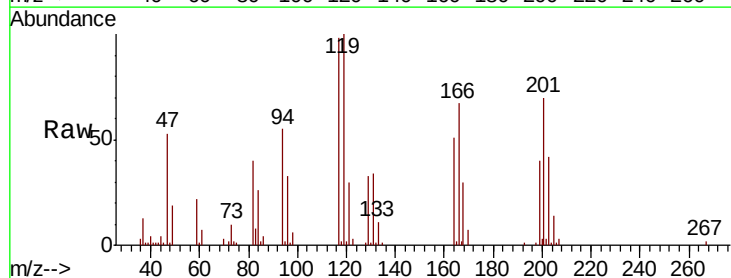
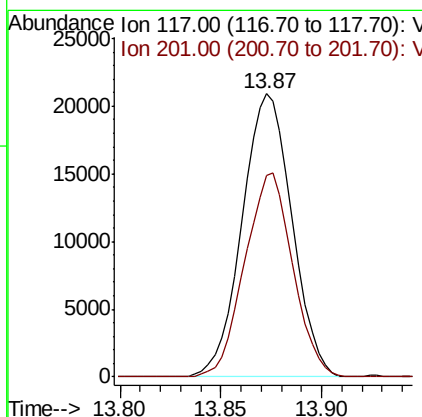
RT: 13.87 min Scan# 3763

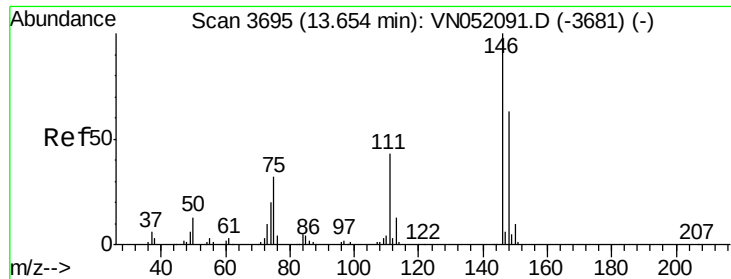
Delta R.T. -0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Tgt Ion:	117	Resp:	36174
Ion Ratio	Lower	Upper	
117	100		
201	69.2	32.2	96.6





#87

1,2-Dichlorobenzene

Concen: 20.622 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Instrument :

MSVOA_N

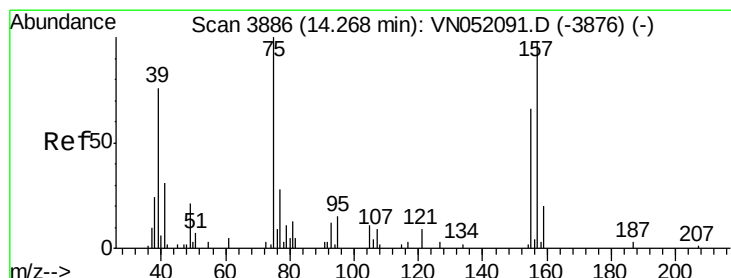
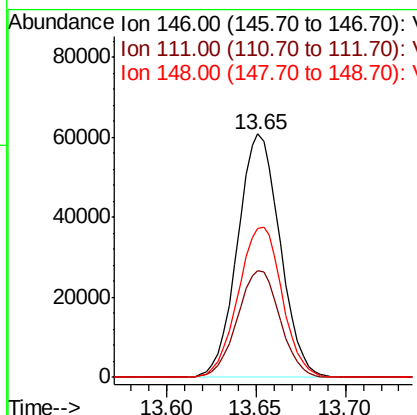
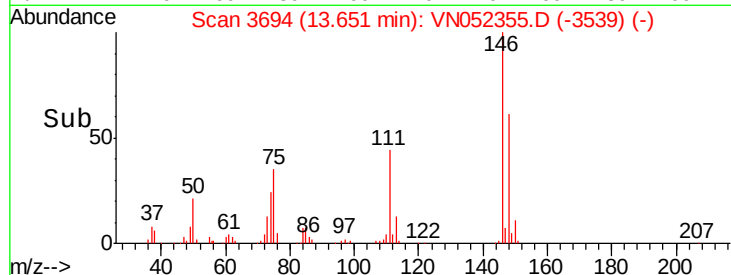
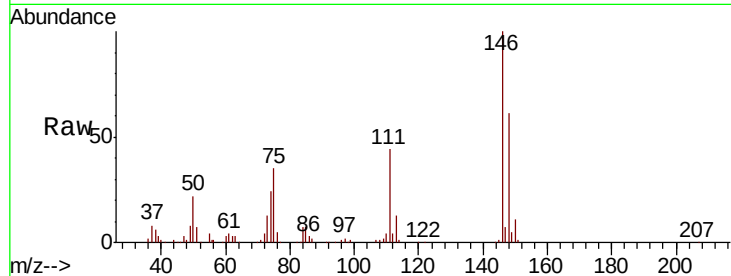
ClientSampleId :

VN1116WBS01

Tot Ion:	146	Resp:	101196
Ion Ratio	Lower	Upper	
146	100		
111	44.1	22.4	67.0
148	63.9	32.5	97.4

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#88

1,2-Dibromo-3-Chloropropane

Concen: 23.522 ug/l

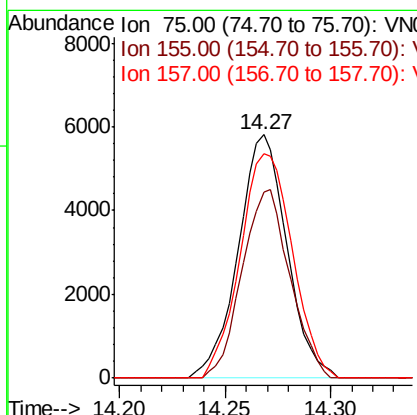
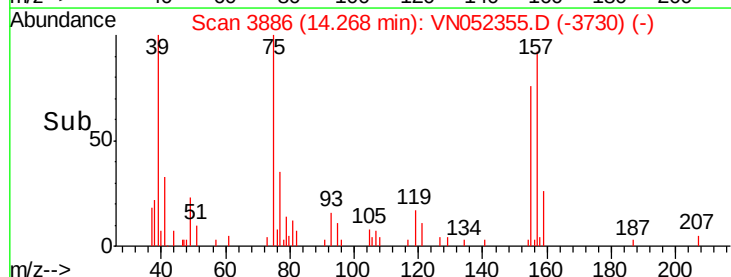
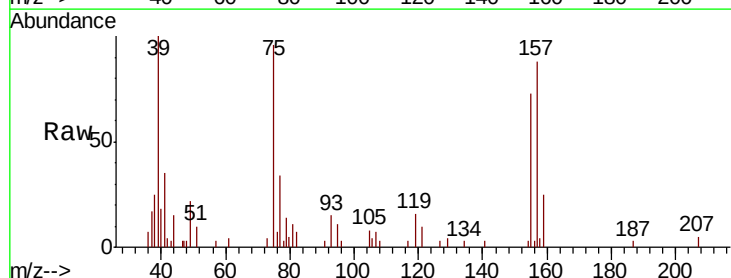
RT: 14.27 min Scan# 3886

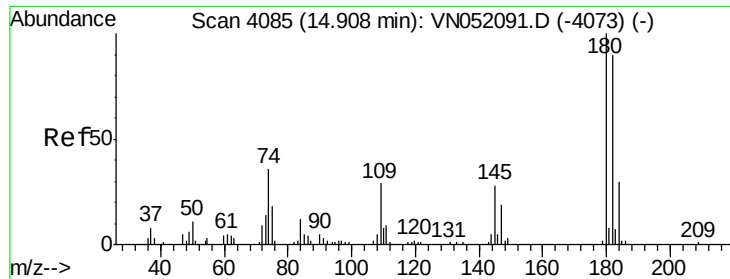
Delta R.T. 0.00 min

Lab File: VN052355.D

Acq: 16 Nov 2018 11:01

Tgt Ion:	75	Resp:	9323
Ion Ratio	Lower	Upper	
75	100		
155	76.0	56.7	85.1
157	99.0	80.4	120.6





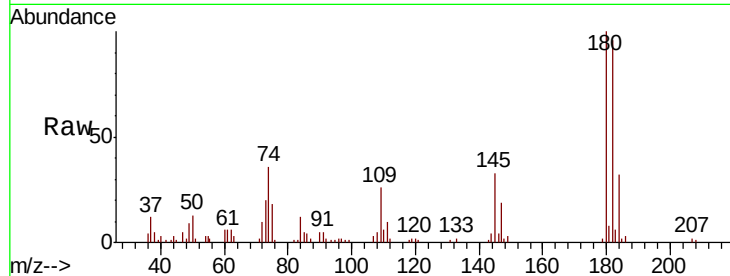
#89
 1,2,4-Trichlorobenzene
 Concen: 21.989 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	74.0	111.0
145	32.1	24.6	36.8

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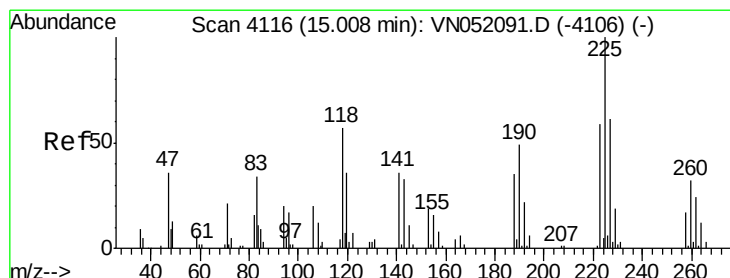
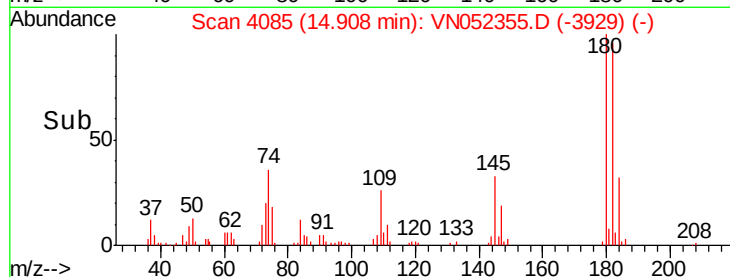
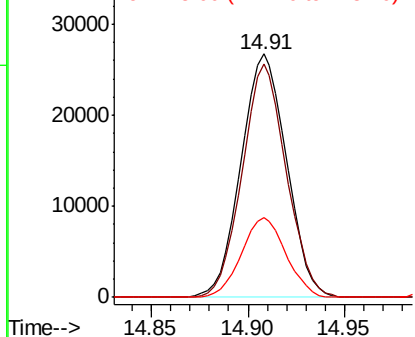


Abundance

Ion 180.00 (179.70 to 180.70): V

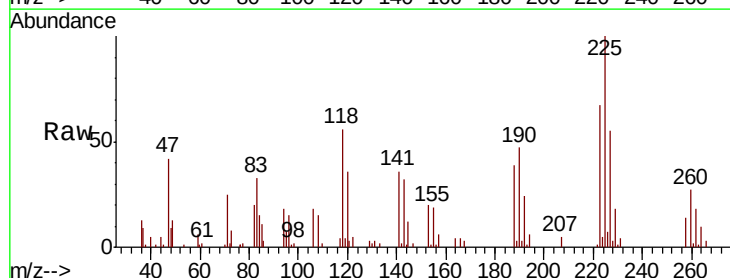
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 23.915 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052355.D
 Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	0.0	121.2
227	58.1	0.0	127.2

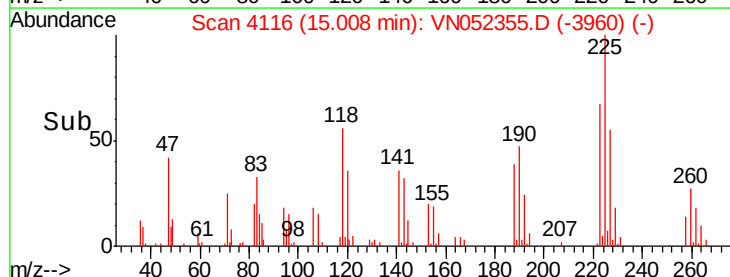
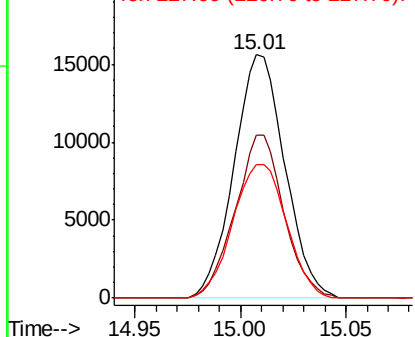


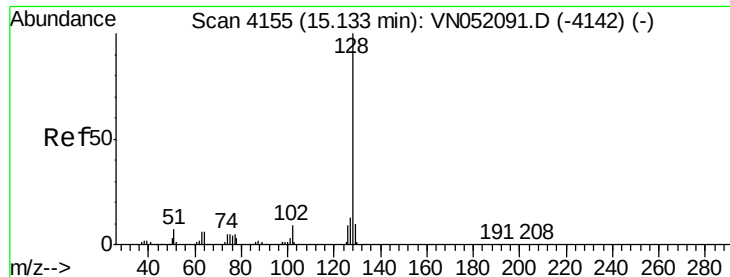
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





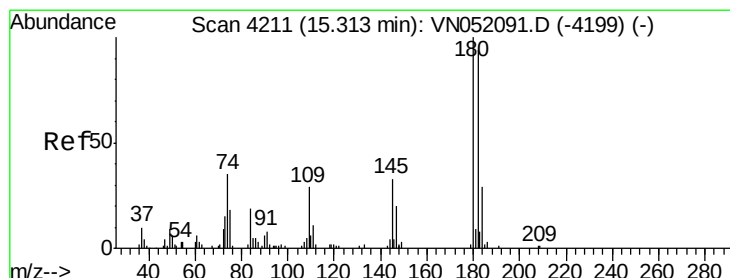
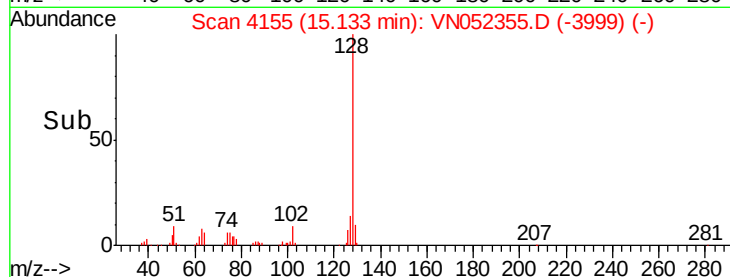
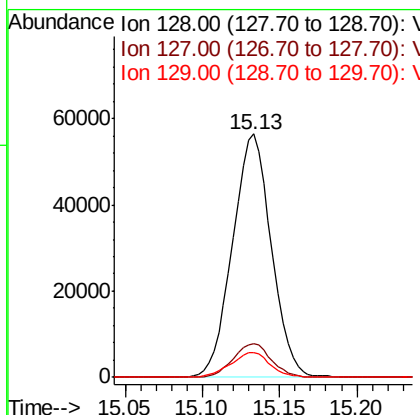
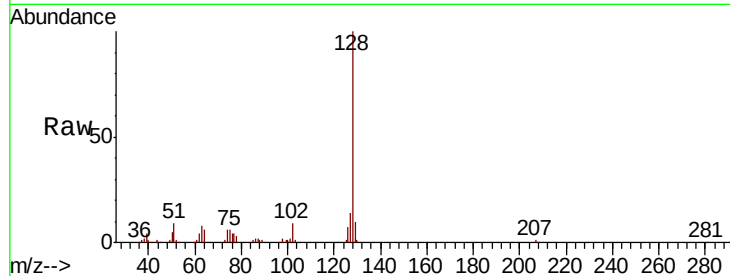
#91
Naphthalene
Concen: 21.395 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	10.2	8.3	12.5

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#92
1,2,3-Trichlorobenzene
Concen: 23.883 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052355.D
Acq: 16 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	0.0	186.6
145	32.9	0.0	66.6

