

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051403.D
 Acq On : 23 Sep 2018 11:07
 Operator : MD\SY
 Sample : VN0923WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Manual Integrations
 APPROVED

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 9/25/2018 12:10:20 PM

Quant Time: Sep 24 07:02:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	517217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	773709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	671552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	325950	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	334309	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
35) Dibromofluoromethane	7.59	113	302272	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.09	98	1121554	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
62) 4-Bromofluorobenzene	12.40	95	349020	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	91613	18.986	ug/l	97
3) Chloromethane	2.06	50	156727	20.403	ug/l	100
4) Vinyl Chloride	2.18	62	171926	20.279	ug/l	97
5) Bromomethane	2.57	94	104325	20.568	ug/l	100
6) Chloroethane	2.70	64	107083	20.270	ug/l	98
7) Trichlorofluoromethane	3.02	101	211998	19.090	ug/l	99
8) Diethyl Ether	3.41	74	66509	17.289	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	109718	17.506	ug/l	97
10) Methyl Iodide	3.95	142	141122	17.133	ug/l	97
11) Tert butyl alcohol	4.79	59	34311	93.832	ug/l #	78
12) 1,1-Dichloroethene	3.74	96	101959	17.718	ug/l	97
13) Acrolein	3.61	56	28696	79.030	ug/l	96
14) Allyl chloride	4.32	41	169880	17.595	ug/l	99
15) Acrylonitrile	4.99	53	182334	91.664	ug/l #	89
16) Acetone	3.82	43	130092	73.354	ug/l	97
17) Carbon Disulfide	4.05	76	305580	18.074	ug/l	100
18) Methyl Acetate	4.33	43	94226	19.096	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	279395	18.828	ug/l	98
20) Methylene Chloride	4.55	84	124836	19.471	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	111518	18.943	ug/l	99
22) Diisopropyl ether	5.95	45	389386	20.864	ug/l	98
23) Vinyl Acetate	5.90	43	1168187	95.342	ug/l	99
24) 1,1-Dichloroethane	5.85	63	226047	20.300	ug/l	99
25) 2-Butanone	6.84	43	196232	88.487	ug/l	97
26) 2,2-Dichloropropane	6.83	77	115502	13.288	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	127467	19.734	ug/l	97
28) Bromochloromethane	7.20	49	103020	20.034	ug/l	98
29) Tetrahydrofuran	7.21	42	140073	99.672	ug/l	96
30) Chloroform	7.37	83	226162	20.497	ug/l	98
31) Cyclohexane	7.65	56	194138	19.029	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	194840	20.656	ug/l	99
36) 1,1-Dichloropropene	7.79	75	165499	18.472	ug/l	98
37) Ethyl Acetate	6.93	43	93711	18.191	ug/l	97
38) Carbon Tetrachloride	7.77	117	171595	18.310	ug/l	99

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 Data File : VN051403.D
 Acq On : 23 Sep 2018 11:07
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 Sample : VN0923WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0923WBS01

Manual Integrations
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 9/25/2018 12:10:20 PM

Quant Time: Sep 24 07:02:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	176931	16.893	ug/l	96
40) Benzene	8.04	78	508428	19.326	ug/l	98
41) Methacrylonitrile	7.18	41	48976	17.184	ug/l #	92
42) 1,2-Dichloroethane	8.13	62	162084	19.241	ug/l	99
43) Isopropyl Acetate	8.17	43	170693	18.324	ug/l	98
44) Trichloroethene	8.83	130	129607	18.548	ug/l	99
45) 1,2-Dichloropropane	9.12	63	138856	19.417	ug/l	100
46) Dibromomethane	9.21	93	77301	19.131	ug/l	98
47) Bromodichloromethane	9.40	83	169862	18.996	ug/l	99
48) Methyl methacrylate	9.20	41	81857	17.625	ug/l	98
49) 1,4-Dioxane	9.20	88	21433	376.557	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	464613	90.690	ug/l	100
52) Toluene	10.16	92	305183	18.667	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	150742	16.698	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	182883	17.469	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	109359	18.927	ug/l	99
56) Ethyl methacrylate	10.43	69	125535	17.770	ug/l	99
57) 1,3-Dichloropropane	10.71	76	186218	18.803	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	316029	96.297	ug/l	97
59) 2-Hexanone	10.75	43	286687	86.323	ug/l	99
60) Dibromochloromethane	10.90	129	125932	18.472	ug/l	100
61) 1,2-Dibromoethane	11.01	107	101410	18.080	ug/l	98
64) Tetrachloroethene	10.63	164	124296	20.394	ug/l	96
65) Chlorobenzene	11.43	112	332953	19.324	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	127482	19.420	ug/l	99
67) Ethyl Benzene	11.51	91	548148	18.878	ug/l	99
68) m/p-Xylenes	11.62	106	424738	37.816	ug/l	99
69) o-Xylene	11.95	106	202444	18.749	ug/l	96
70) Styrene	11.96	104	314201	18.364	ug/l	97
71) Bromoform	12.13	173	82674	18.561	ug/l #	100
73) Isopropylbenzene	12.25	105	540023	19.636	ug/l	100
74) N-amyl acetate	12.07	43	125272	18.155	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	127877	19.940	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	108786m	20.105	ug/l	
77) Bromobenzene	12.53	156	133854	19.226	ug/l	99
78) n-propylbenzene	12.59	91	603209	19.461	ug/l	99
79) 2-Chlorotoluene	12.67	91	364123	19.626	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	446267	19.900	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	27393	15.567	ug/l	95
82) 4-Chlorotoluene	12.77	91	358028	19.334	ug/l	99
83) tert-Butylbenzene	12.99	119	393352	19.707	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	447469	19.802	ug/l	100
85) sec-Butylbenzene	13.17	105	526670	19.504	ug/l	99
86) p-Isopropyltoluene	13.29	119	438502	18.767	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	225438	18.712	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	210767	18.182	ug/l	97
89) n-Butylbenzene	13.62	91	327348	17.037	ug/l	99
90) Hexachloroethane	13.87	117	90324	19.402	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	222216	19.010	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17875	19.531	ug/l	96

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

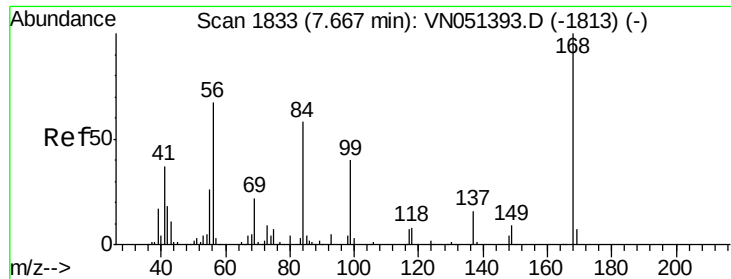
Manual Integrations
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9/25/2018 12:10:20 PM

Quant Time: Sep 24 07:02:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	85100	17.870	ug/l	99
94) Hexachlorobutadiene	15.01	225	78944	17.849	ug/l	97
95) Naphthalene	15.13	128	147641	18.267	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	91461	16.304	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

Tgt Ion:168 Resp: 517217

Ion Ratio Lower Upper

168 100

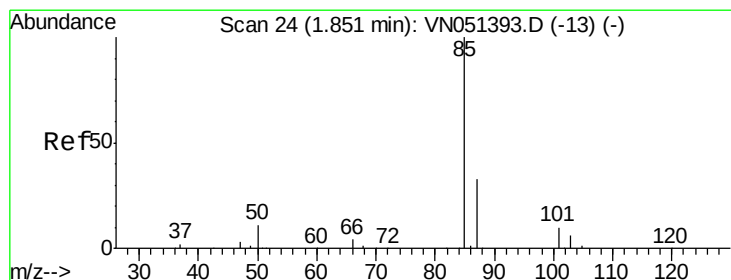
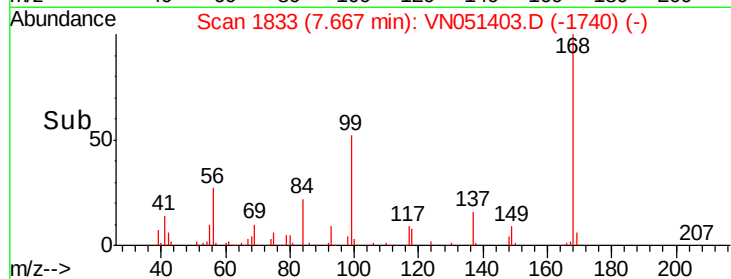
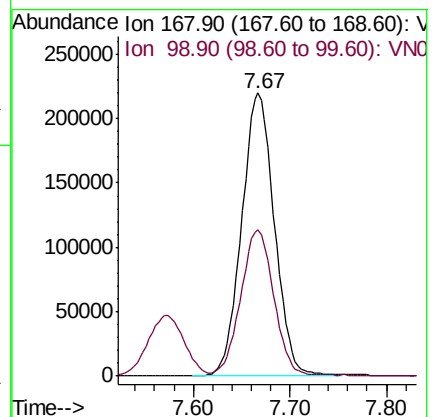
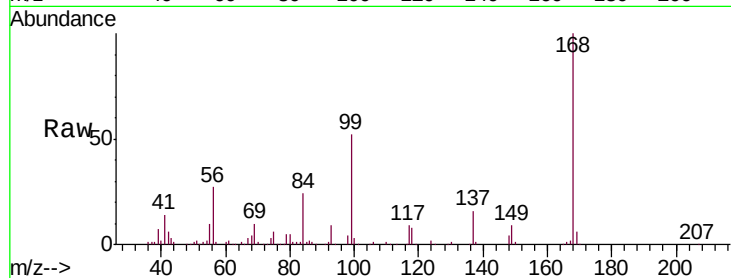
99 51.2 40.2 60.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 18.986 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051403.D

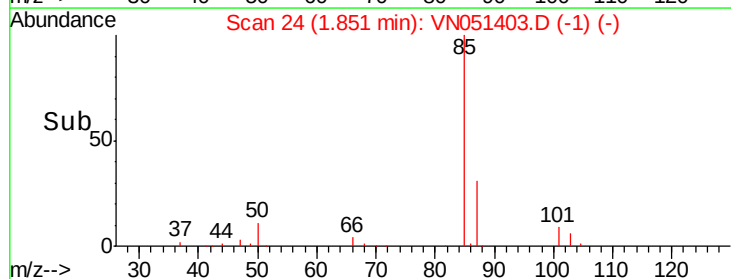
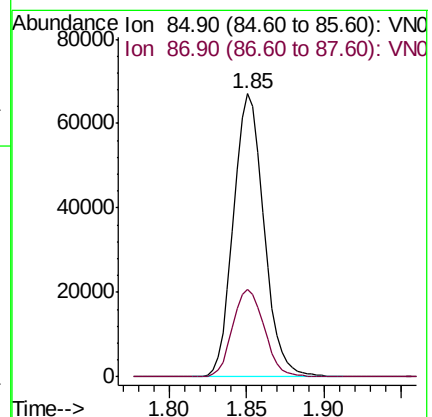
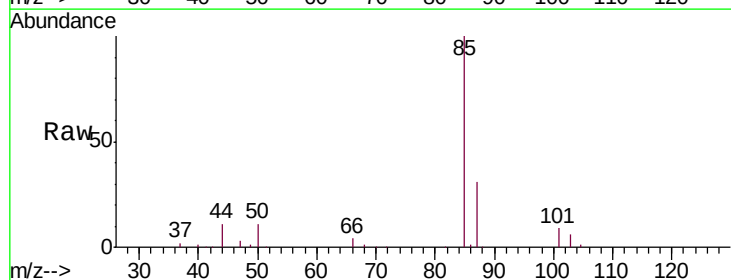
Acq: 23 Sep 2018 11:07

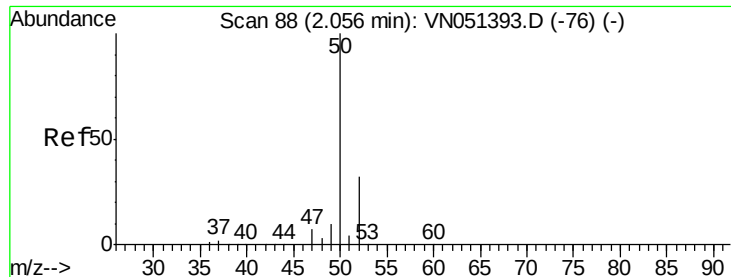
Tgt Ion: 85 Resp: 91613

Ion Ratio Lower Upper

85 100

87 30.9 16.3 48.9





#3

Chloromethane

Concen: 20.403 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

ClientSampled :

VN0923WBS01

Tgt Ion: 50 Resp: 156727

Ion Ratio Lower Upper

50 100

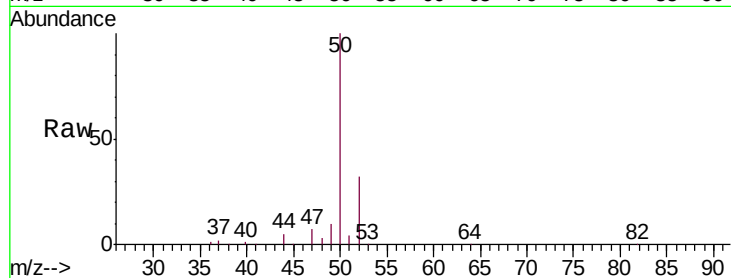
52 32.3 25.7 38.5

Manual Integrations

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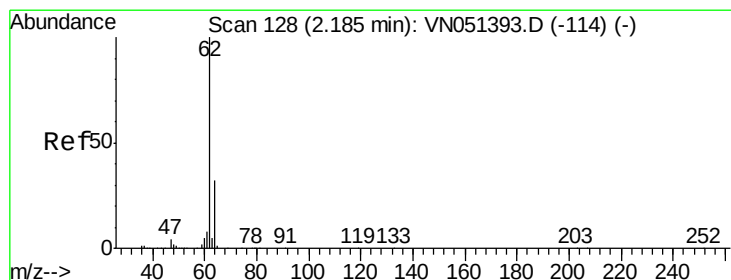
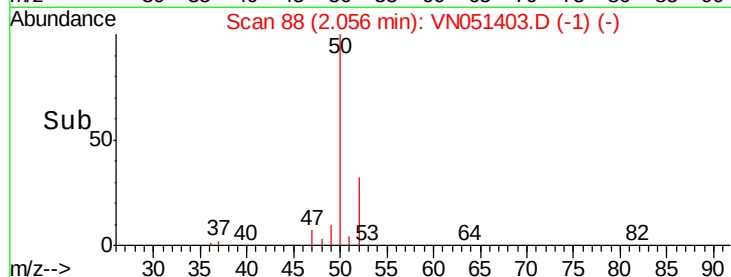
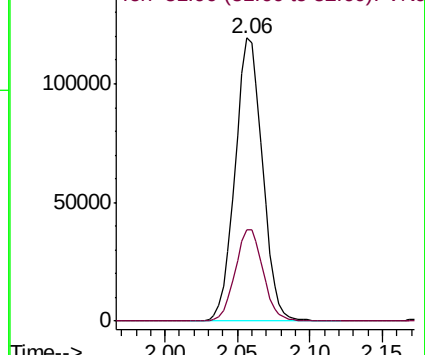
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 20.279 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051403.D

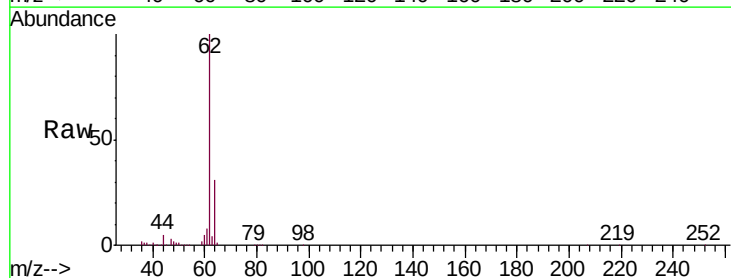
Acq: 23 Sep 2018 11:07

Tgt Ion: 62 Resp: 171926

Ion Ratio Lower Upper

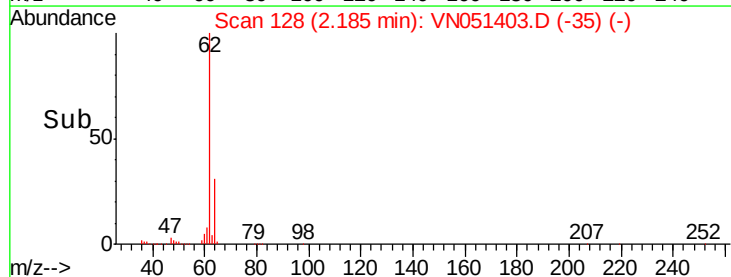
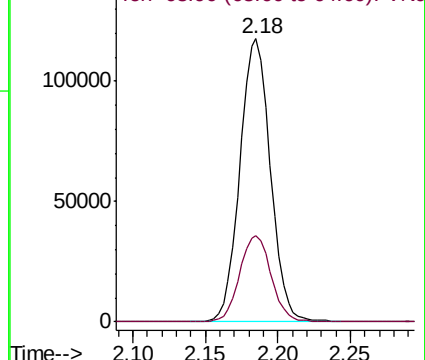
62 100

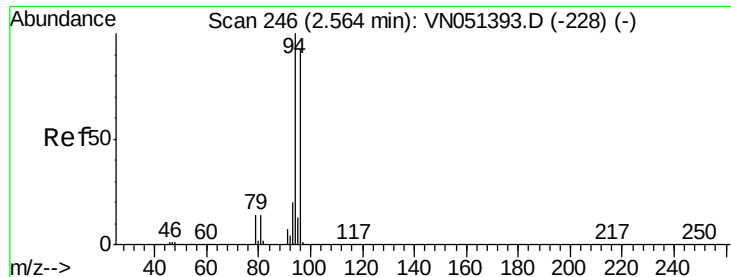
64 30.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 20.568 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

Tgt Ion: 94 Resp: 104325

Ion Ratio Lower Upper

94 100

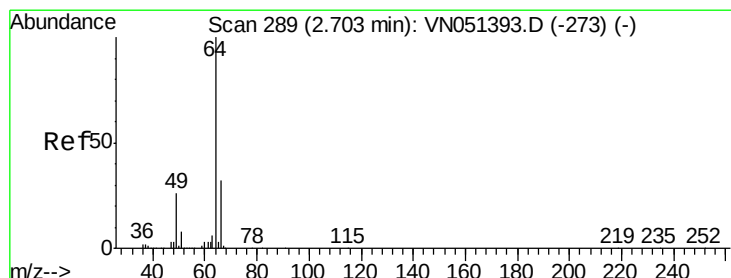
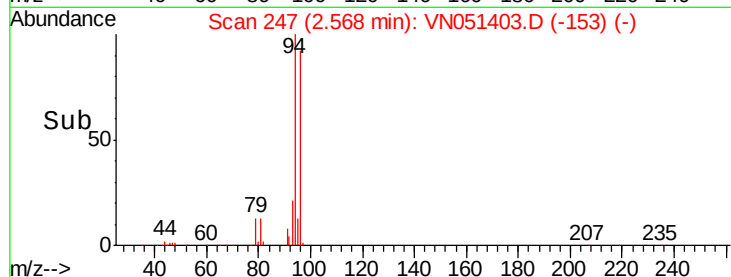
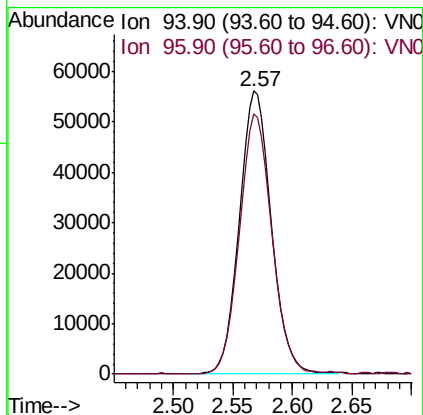
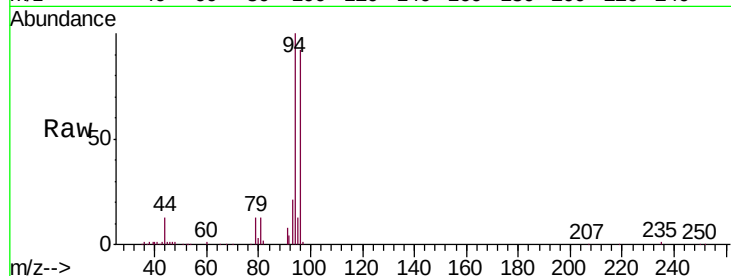
96 91.9 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 20.270 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051403.D

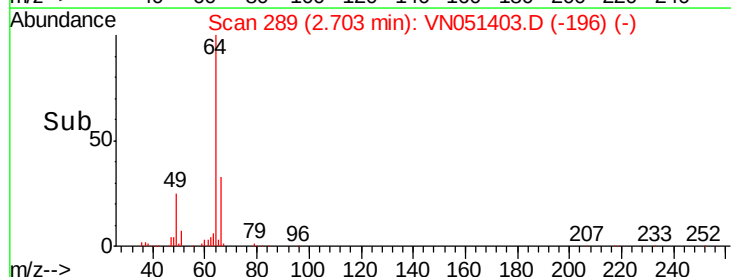
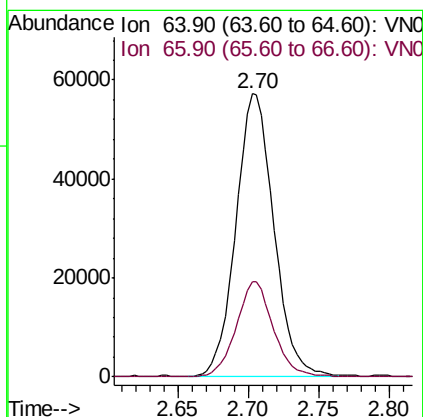
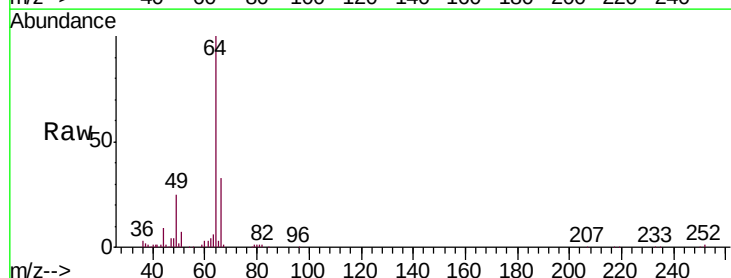
Acq: 23 Sep 2018 11:07

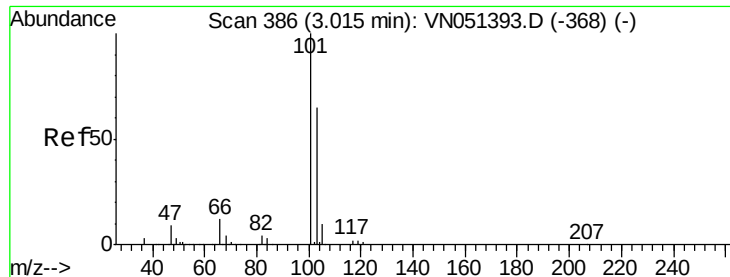
Tgt Ion: 64 Resp: 107083

Ion Ratio Lower Upper

64 100

66 33.6 25.9 38.9





#7

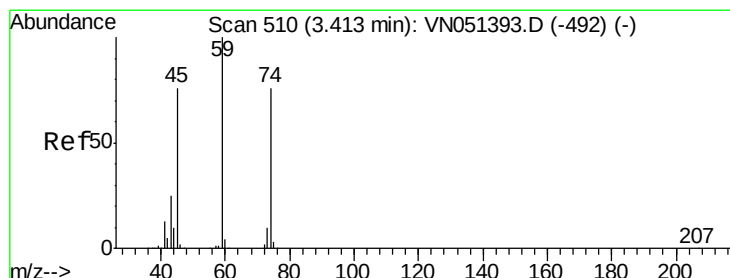
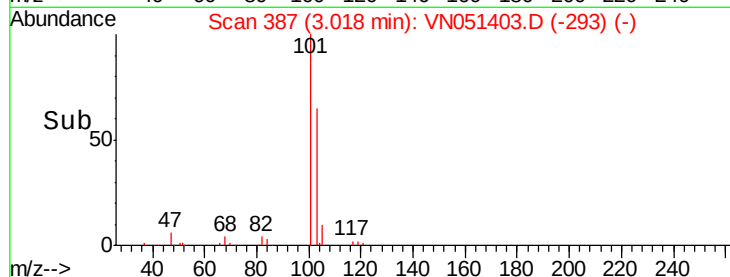
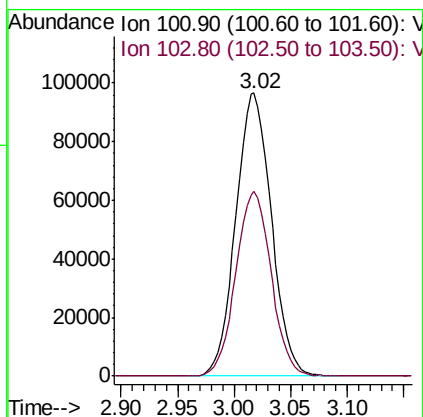
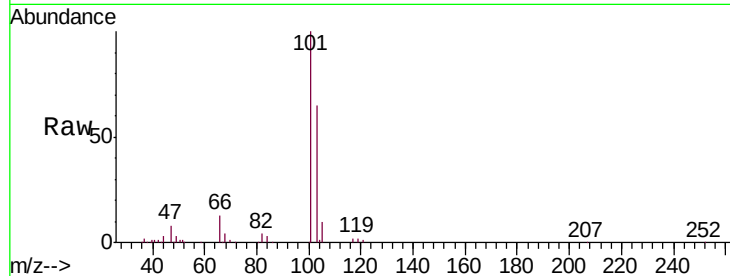
Trichlorofluoromethane
 Concen: 19.090 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Instrument :
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 ClientSampled :
 VN0923WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	211998		
103	65.2	51.8	77.8	

Manual Integrations
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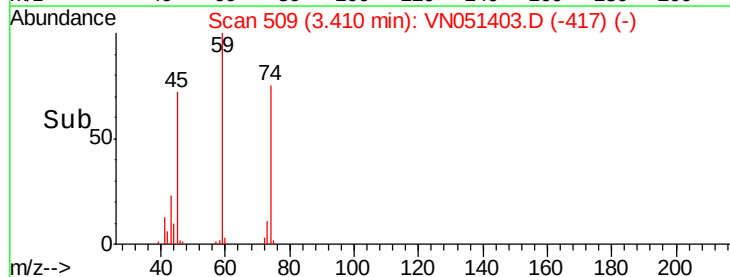
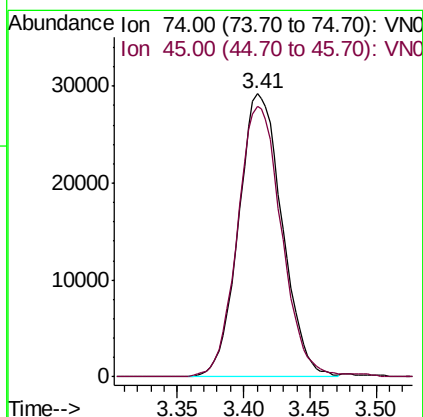
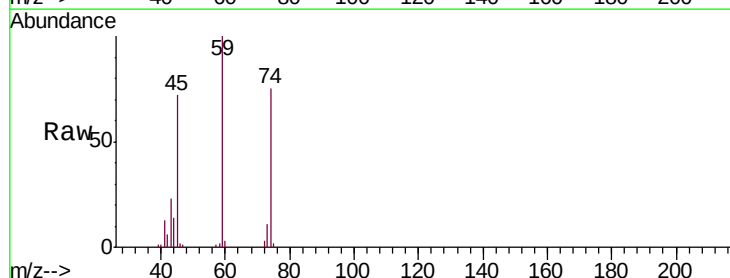
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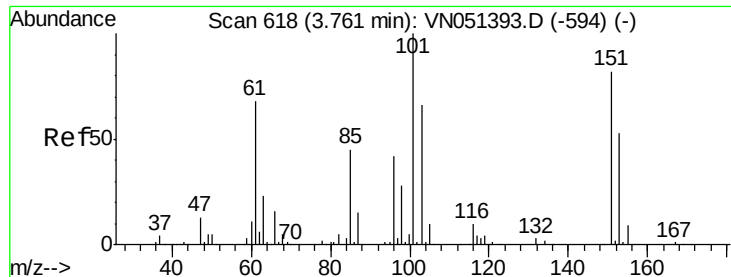


#8

Diethyl Ether
 Concen: 17.289 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	66509		
45	97.3	50.2	150.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.506 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

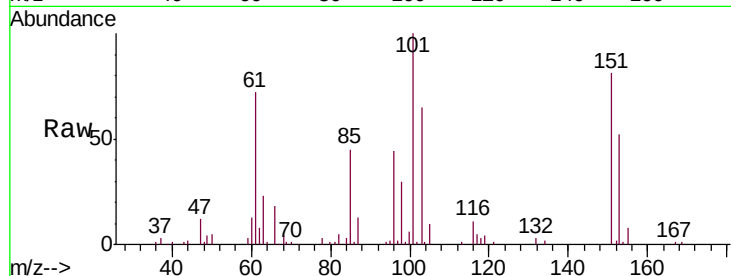
ClientSampleId :

VN0923WBS01

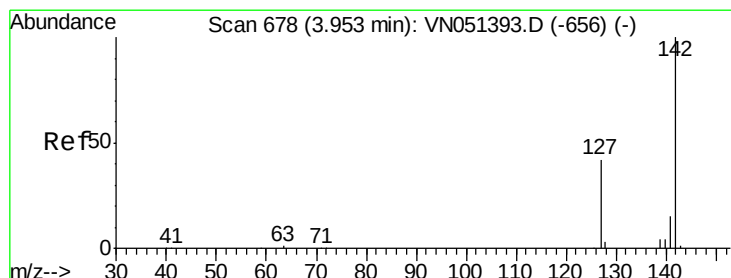
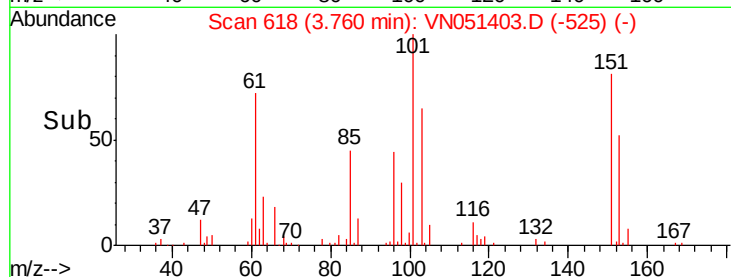
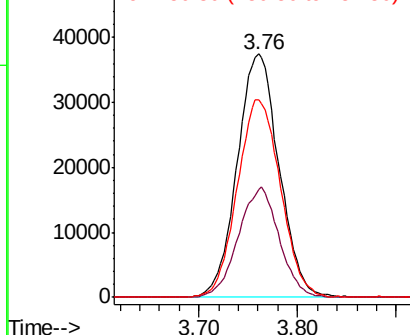
Tgt Ion:	101	Resp:	109718
Ion Ratio	Lower	Upper	
101	100		
85	44.1	33.9	50.9
151	83.9	65.2	97.8

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



#10

Methyl Iodide

Concen: 17.133 ug/l

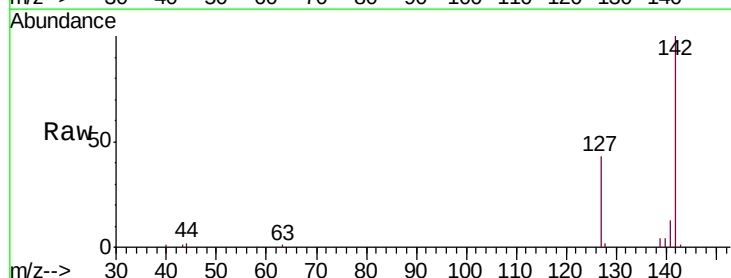
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

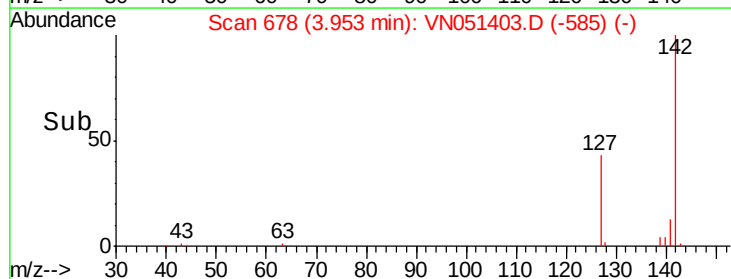
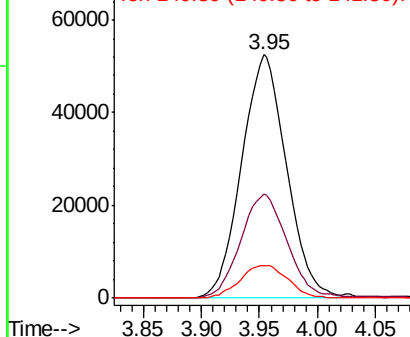
Lab File: VN051403.D

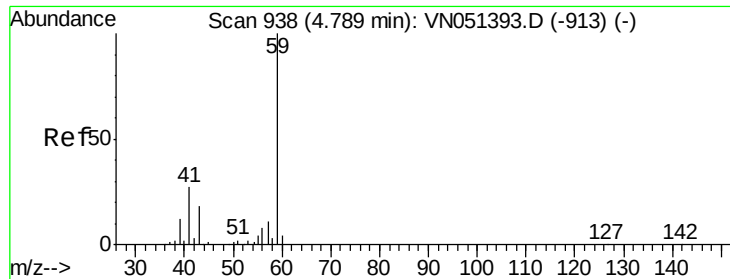
Acq: 23 Sep 2018 11:07

Tgt Ion:	142	Resp:	141122
Ion Ratio	Lower	Upper	
142	100		
127	44.3	33.2	49.8
141	14.3	11.5	17.3



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





#11

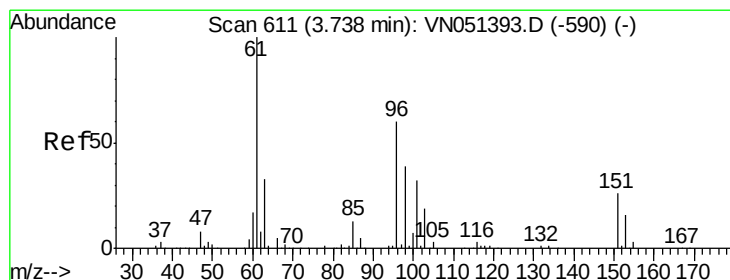
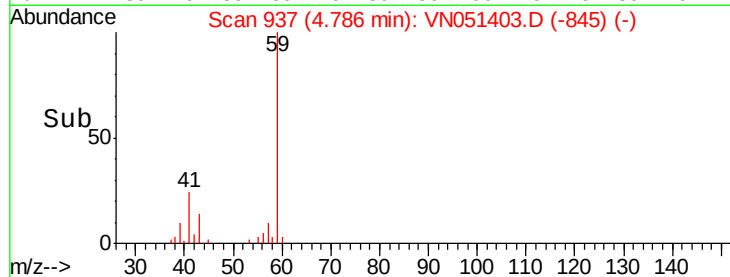
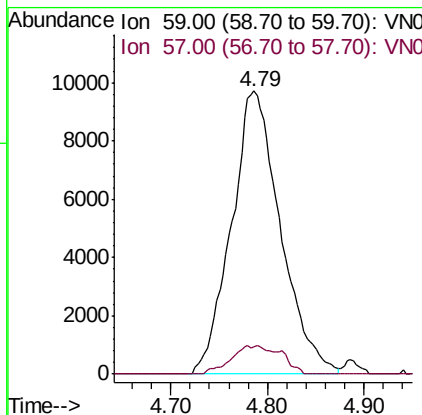
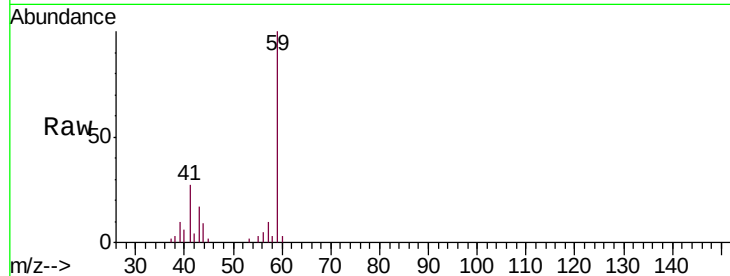
Tert butyl alcohol
Concen: 93.832 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.2	9.2#

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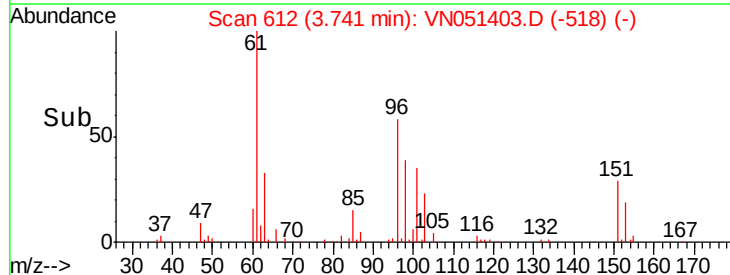
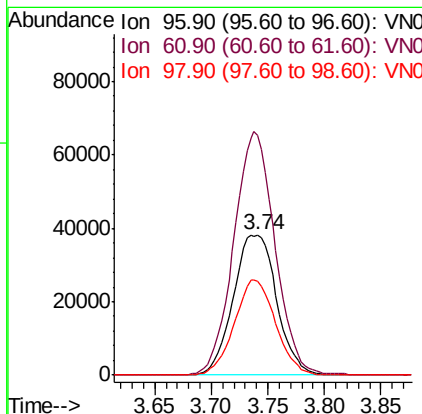
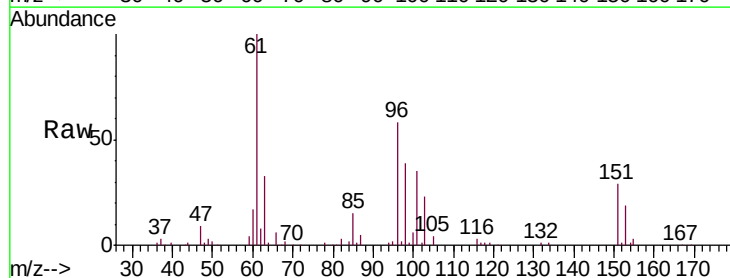
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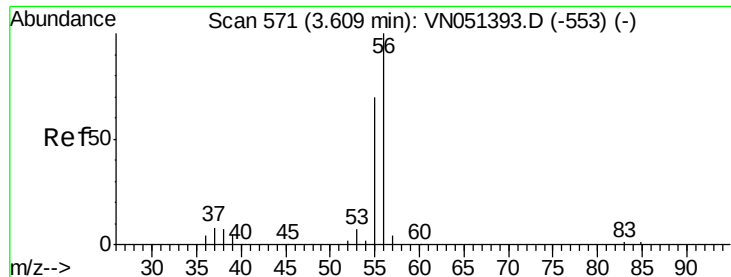


#12

1,1-Dichloroethene
Concen: 17.718 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.8	133.6	200.4
98	66.9	52.2	78.2





#13

Acrolein

Concen: 79.030 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

ClientSampled :

VN0923WBS01

Tgt Ion: 56 Resp: 28696

Ion Ratio Lower Upper

56 100

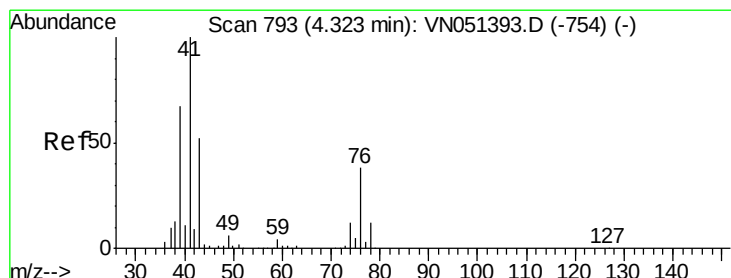
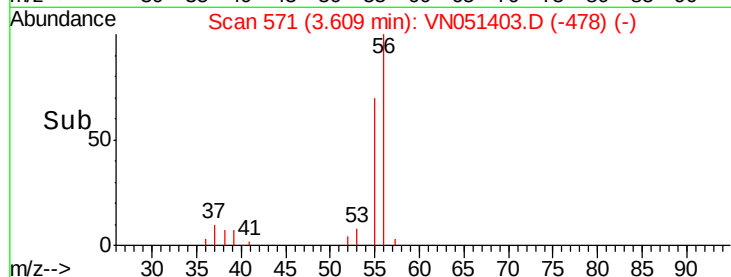
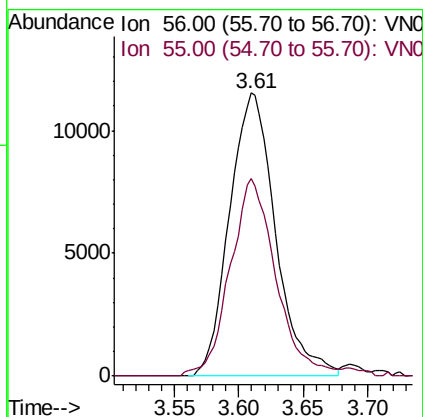
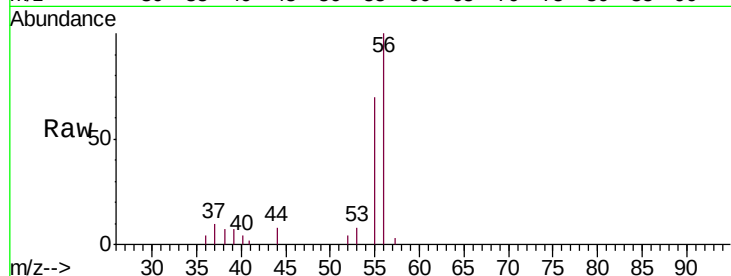
55 68.9 57.8 86.8

Manual Integrations

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#14

Allyl chloride

Concen: 17.595 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

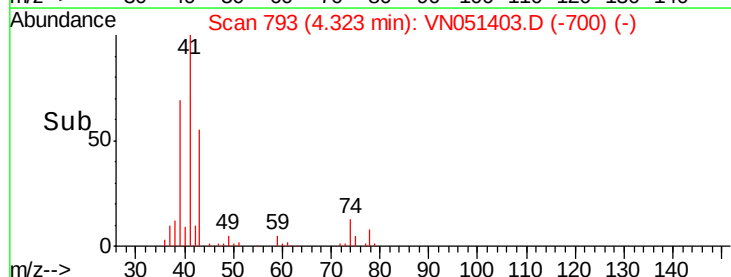
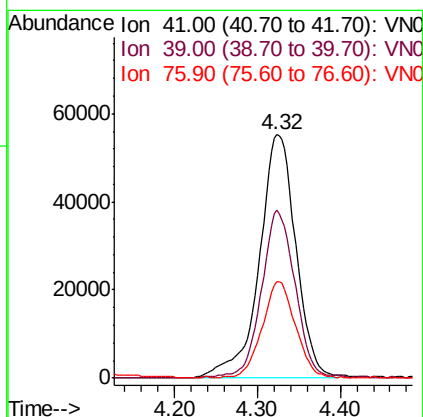
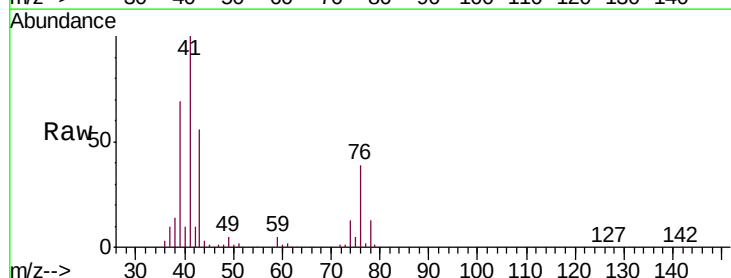
Tgt Ion: 41 Resp: 169880

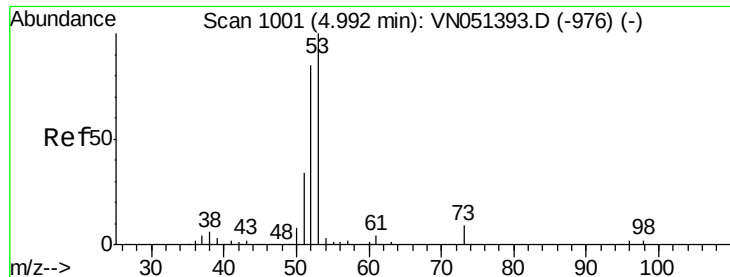
Ion Ratio Lower Upper

41 100

39 63.6 51.4 77.2

76 36.2 28.1 42.1





#15

Acrylonitrile

Concen: 91.664 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

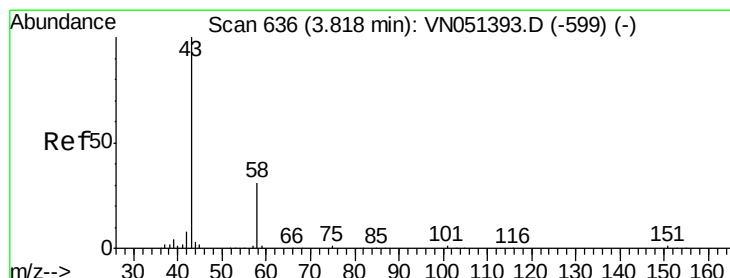
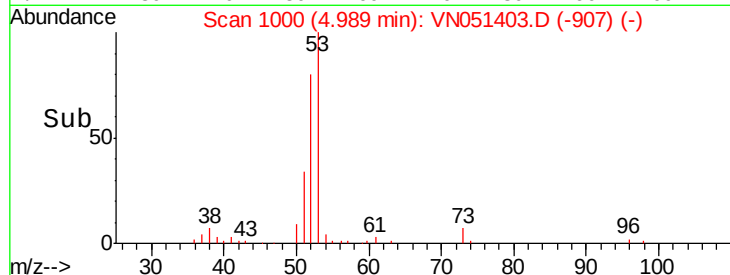
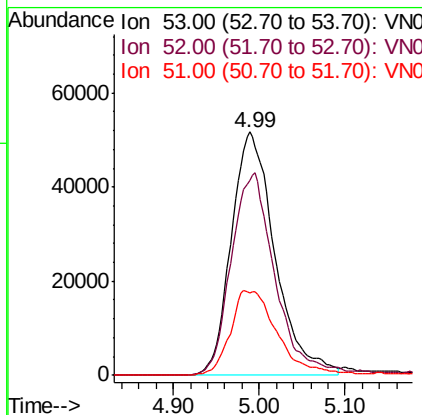
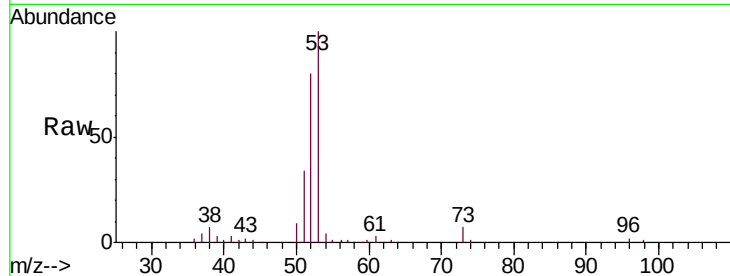
ClientSampleId :

VN0923WBS01

Tgt Ion:	53	Resp:	182334
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.2
51	15.8	28.6	42.8#

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#16

Acetone

Concen: 73.354 ug/l

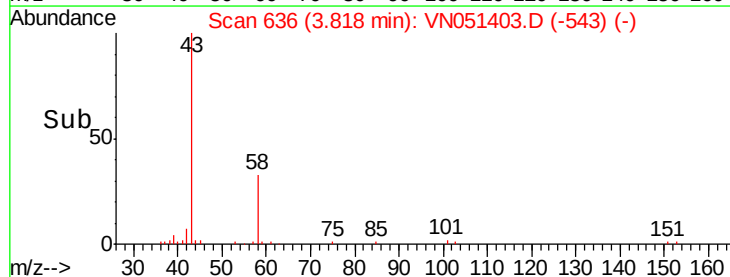
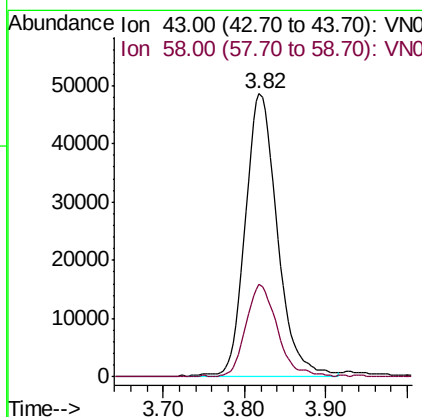
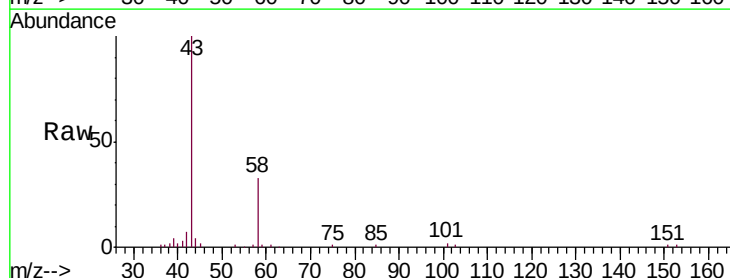
RT: 3.82 min Scan# 636

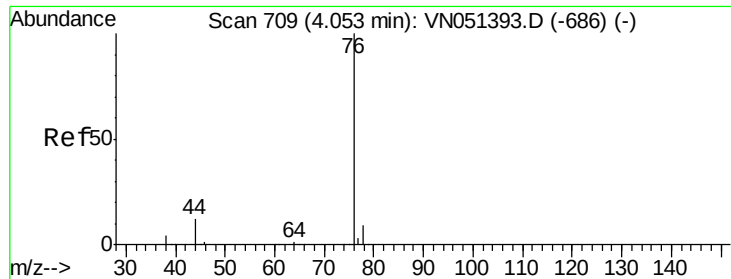
Delta R.T. 0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Tgt Ion:	43	Resp:	130092
Ion	Ratio	Lower	Upper
43	100		
58	32.7	25.0	37.4





#17

Carbon Disulfide

Concen: 18.074 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

Tgt Ion: 76 Resp: 305580

Ion Ratio Lower Upper

76 100

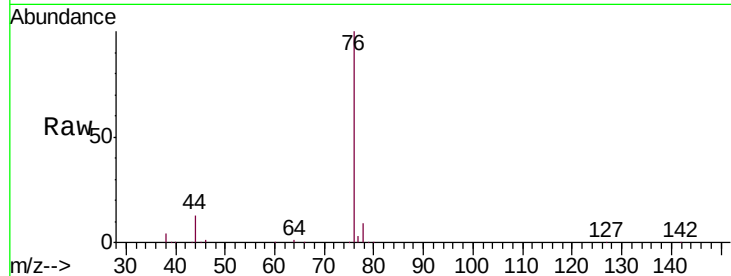
78 9.1 7.3 10.9

Manual Integrations

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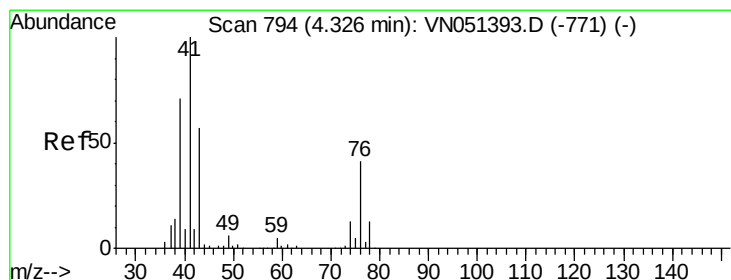
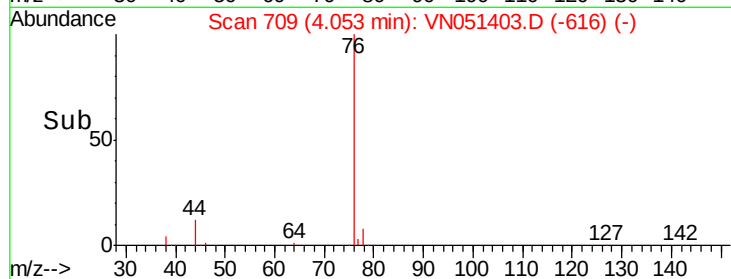
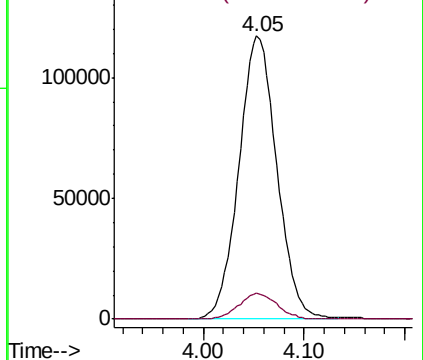
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 19.096 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051403.D

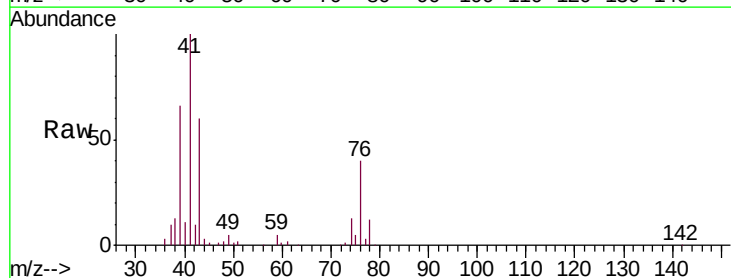
Acq: 23 Sep 2018 11:07

Tgt Ion: 43 Resp: 94226

Ion Ratio Lower Upper

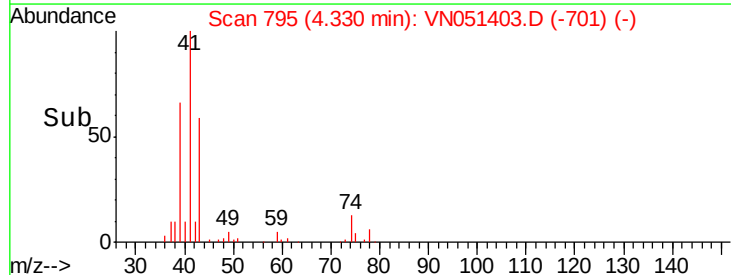
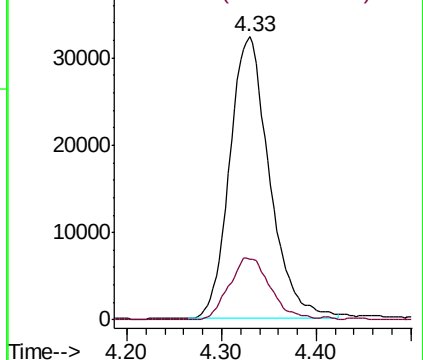
43 100

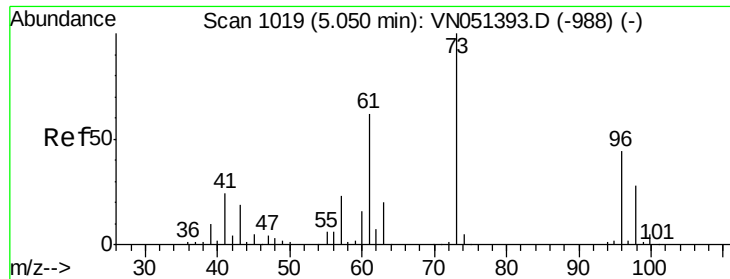
74 22.8 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

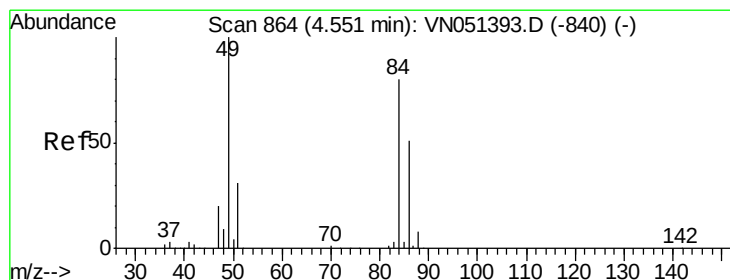
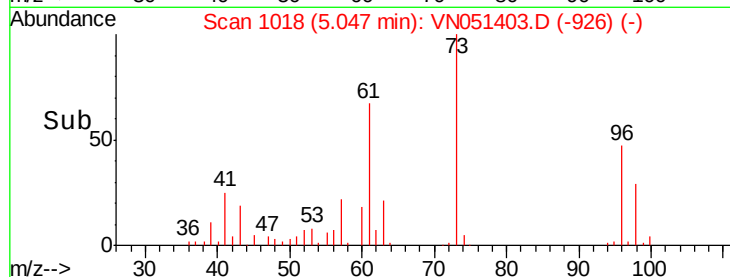
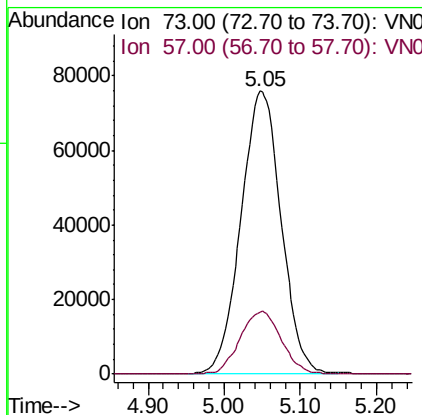
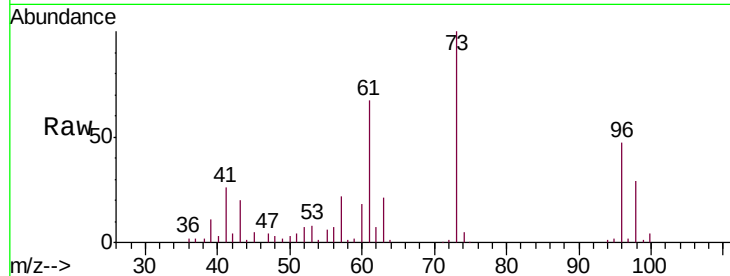
Methyl tert-butyl Ether
 Concen: 18.828 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923WBS01

Tgt Ion: 73 Resp: 279395
 Ion Ratio Lower Upper
 73 100
 57 22.1 18.3 27.5

Manual Integrations
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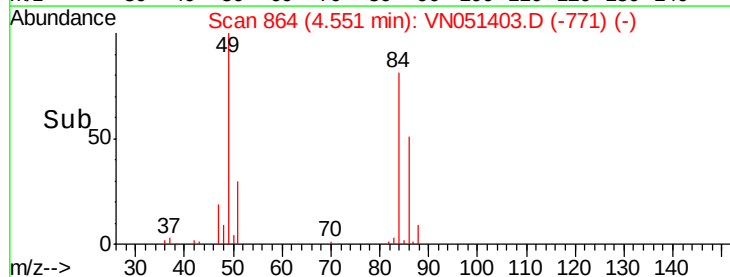
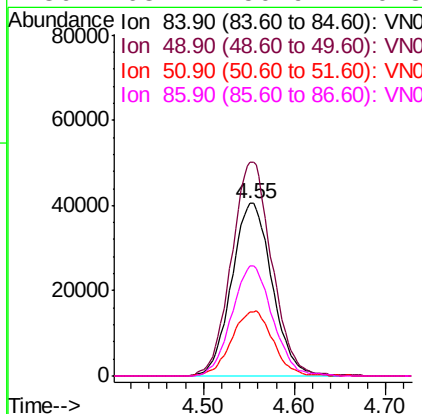
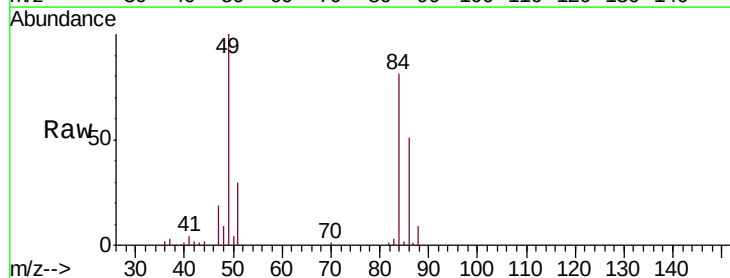
apatel
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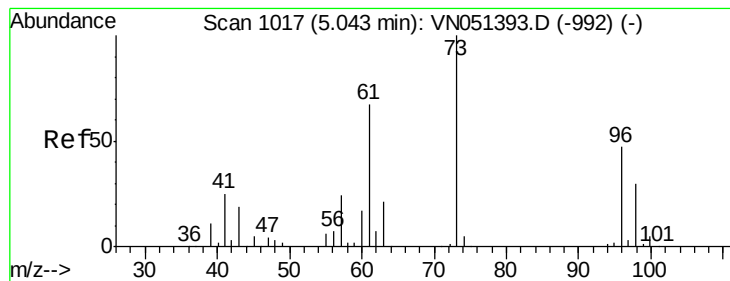


#20

Methylene Chloride
 Concen: 19.471 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Tgt Ion: 84 Resp: 124836
 Ion Ratio Lower Upper
 84 100
 49 123.5 99.9 149.9
 51 36.9 31.4 47.2
 86 63.4 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 18.943 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

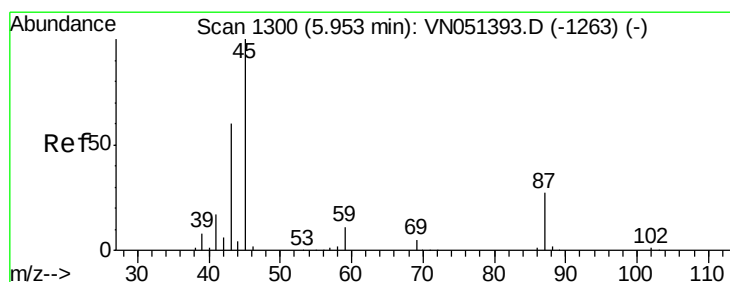
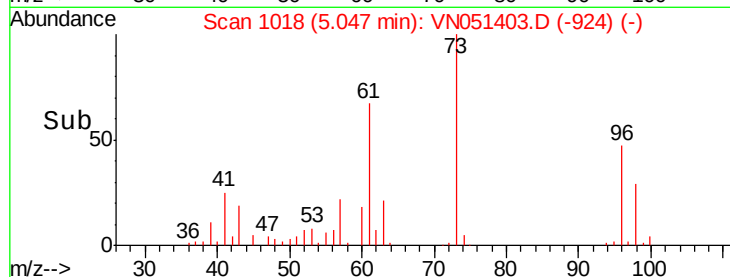
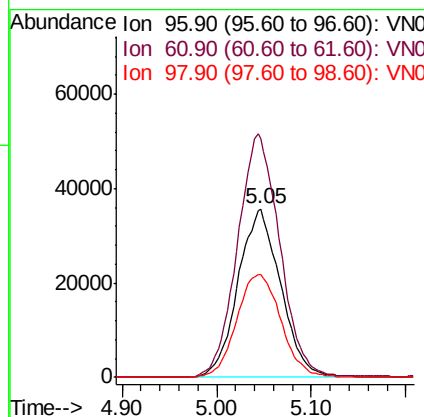
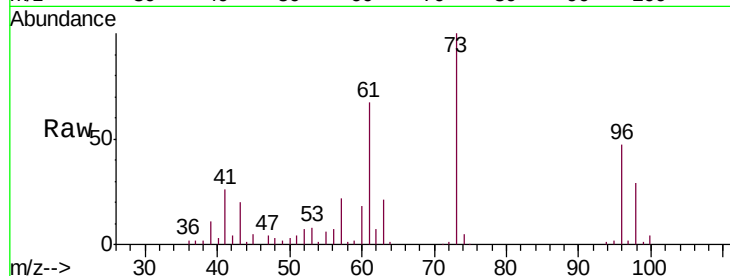
ClientSampled :

VN0923WBS01

Tgt Ion:	96	Resp:	111518
Ion	Ratio	Lower	Upper
96	100		
61	141.9	113.4	170.2
98	61.1	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.864 ug/l

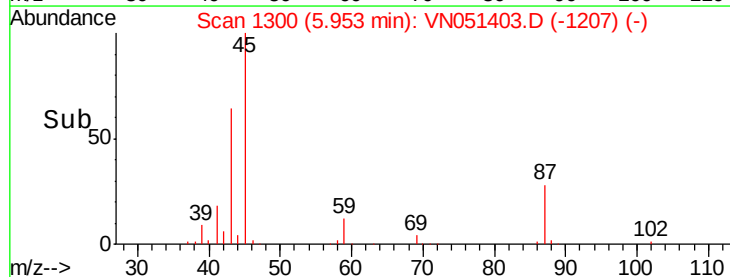
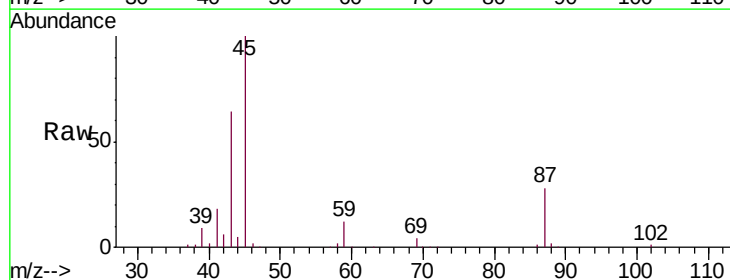
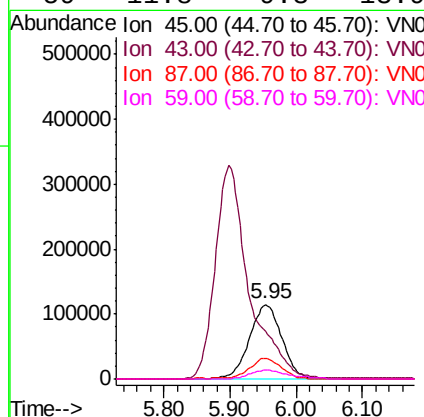
RT: 5.95 min Scan# 1300

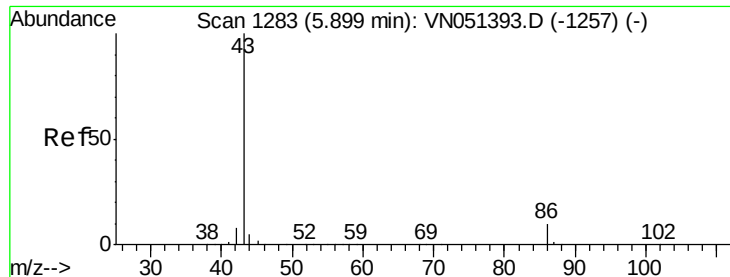
Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Tgt Ion:	45	Resp:	389386
Ion	Ratio	Lower	Upper
45	100		
43	61.7	47.7	71.5
87	27.5	22.0	33.0
59	11.8	9.3	13.9





#23

Vinyl Acetate

Concen: 95.342 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

Tgt Ion: 43 Resp: 1168187

Ion Ratio Lower Upper

43 100

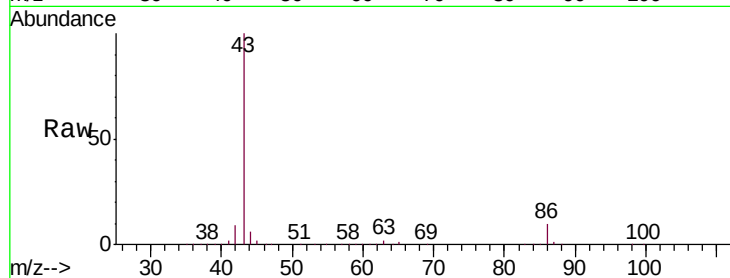
86 9.7 8.2 12.2

Manual Integrations

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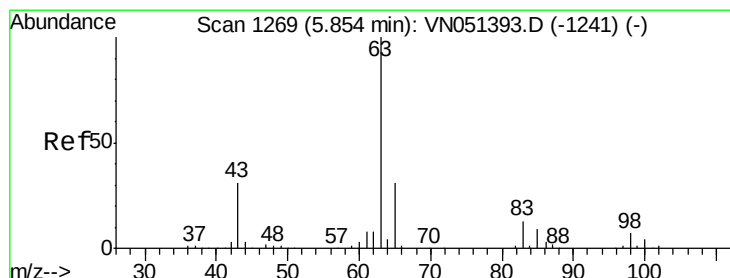
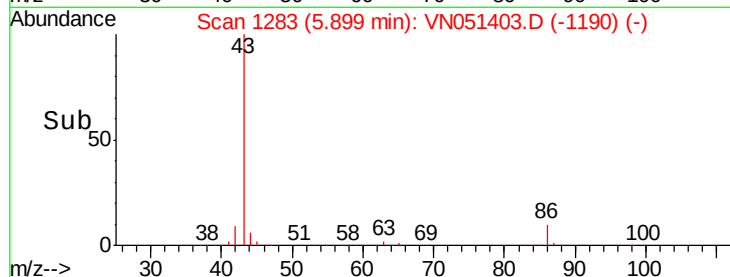
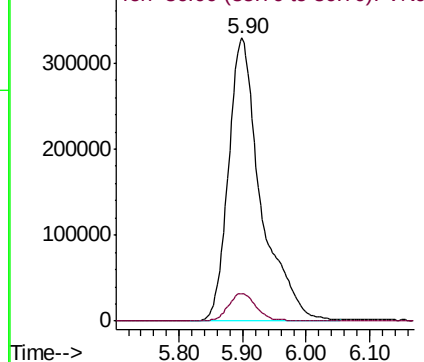
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.300 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

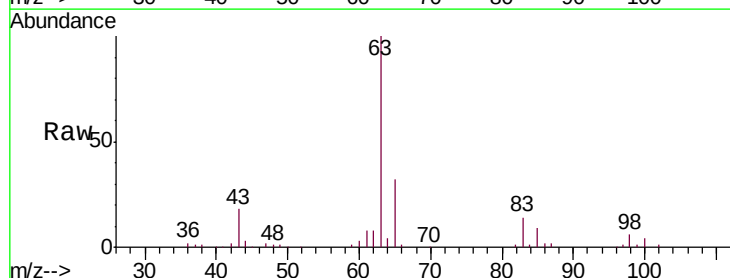
Tgt Ion: 63 Resp: 226047

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.1

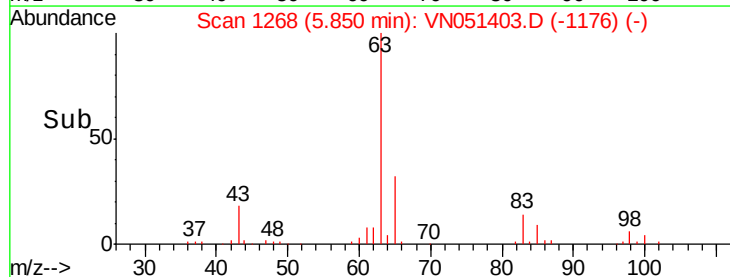
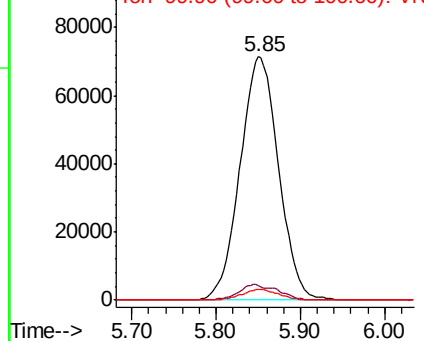
100 4.4 2.2 6.6

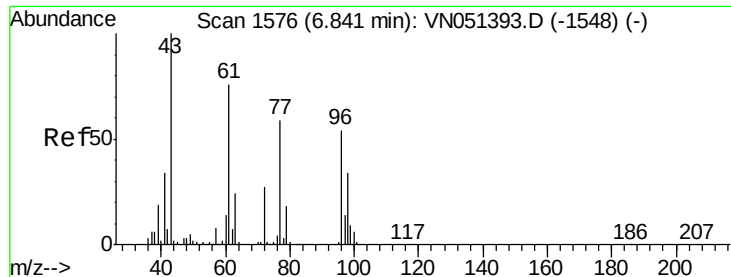


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 88.487 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

ClientSampled :

VN0923WBS01

Tgt Ion: 43 Resp: 196232

Ion Ratio Lower Upper

43 100

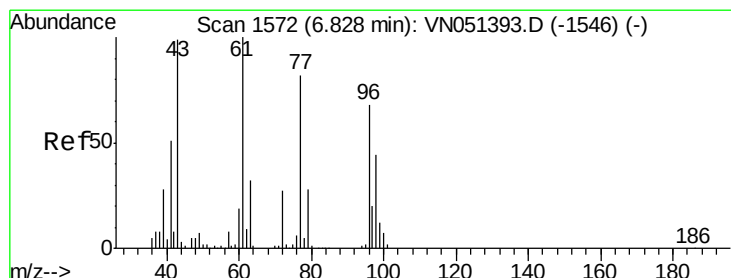
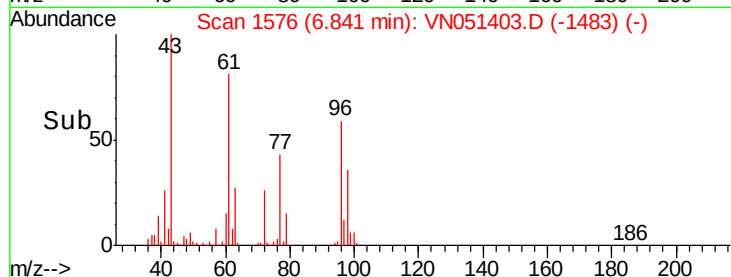
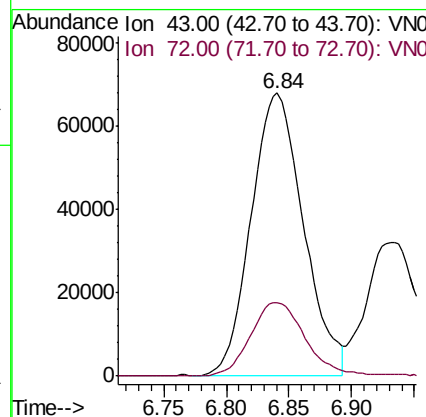
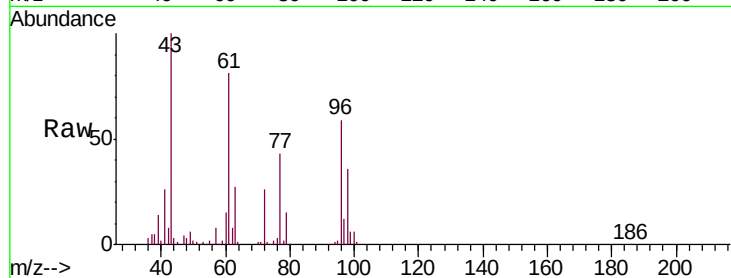
72 25.8 21.8 32.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 13.288 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051403.D

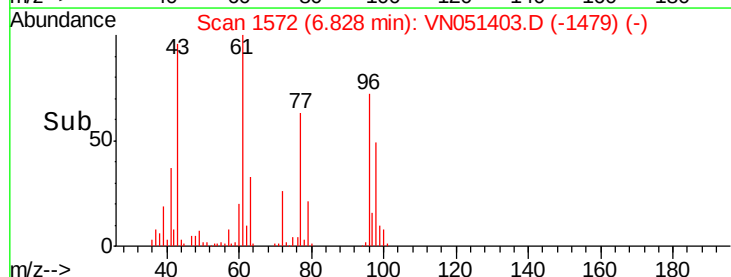
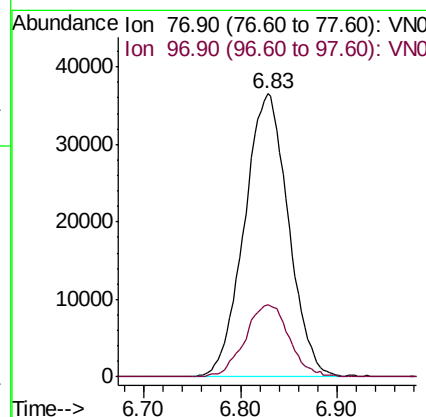
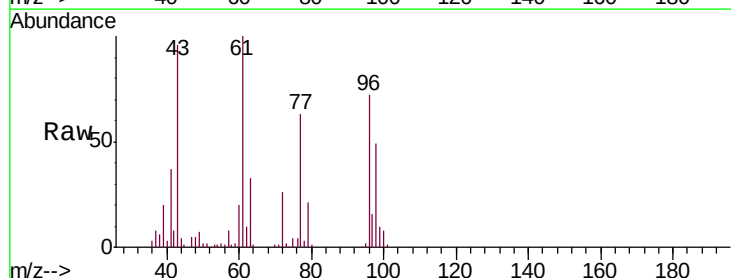
Acq: 23 Sep 2018 11:07

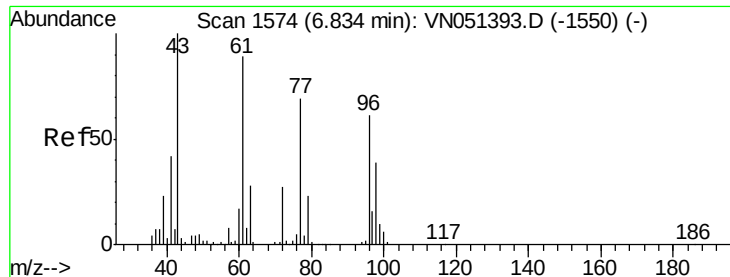
Tgt Ion: 77 Resp: 115502

Ion Ratio Lower Upper

77 100

97 25.5 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.734 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

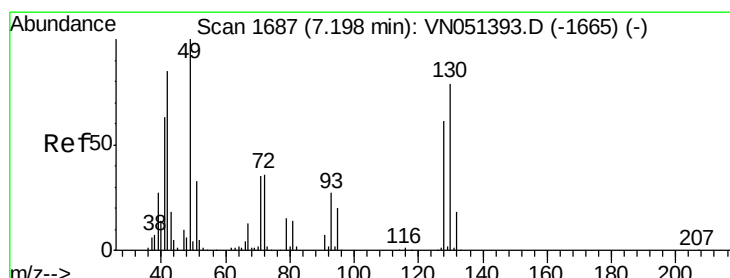
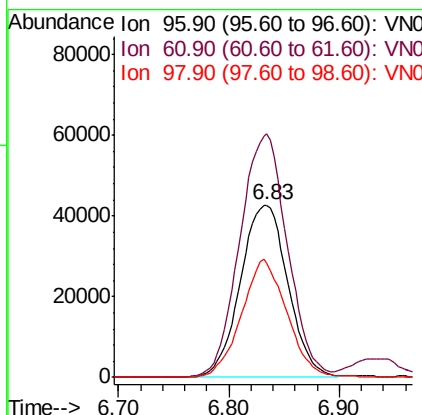
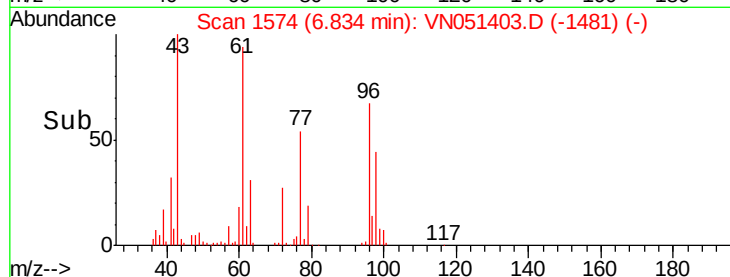
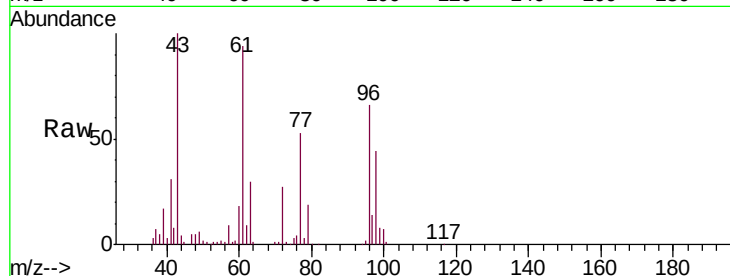
ClientSampled :

VN0923WBS01

Tgt Ion:	96	Resp:	127467
Ion Ratio	Lower	Upper	
96	100		
61	141.3	0.0	291.4
98	65.5	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 20.034 ug/l

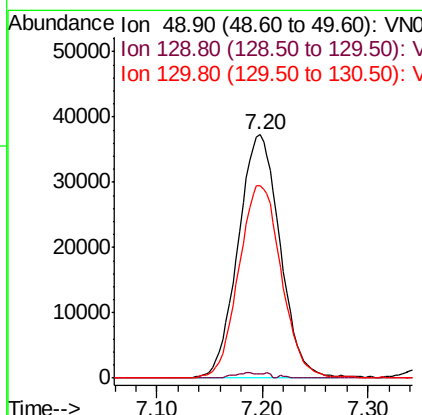
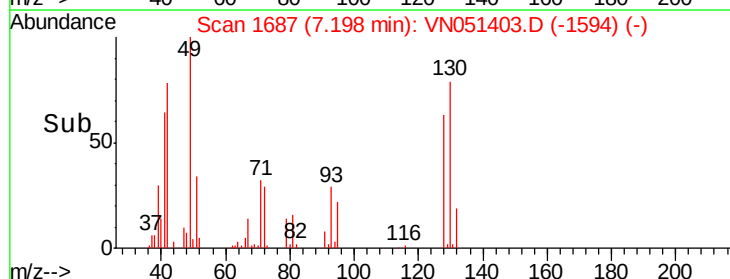
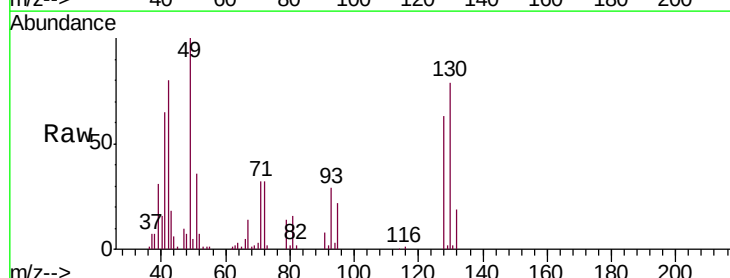
RT: 7.20 min Scan# 1687

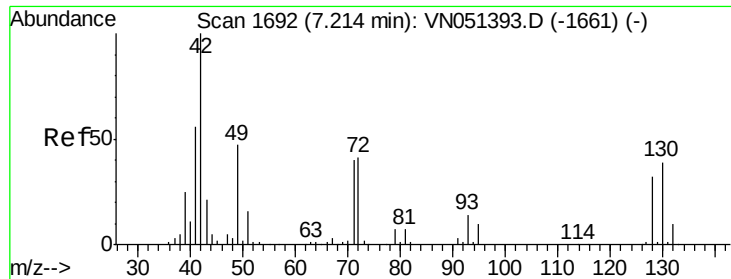
Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Tgt Ion:	49	Resp:	103020
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	3.8
130	80.5	63.0	94.4





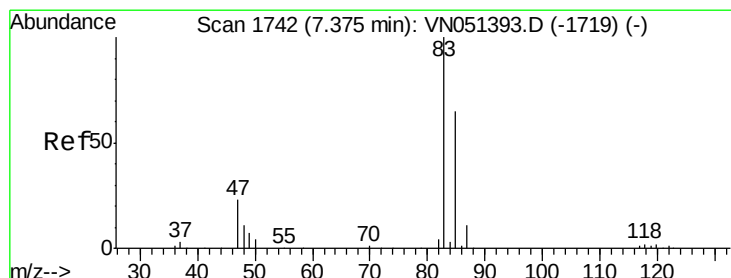
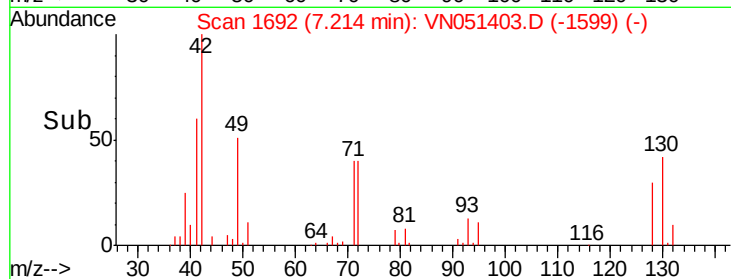
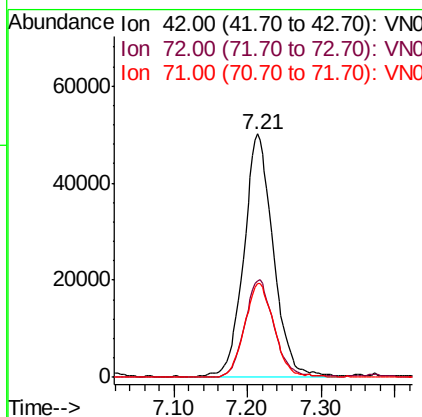
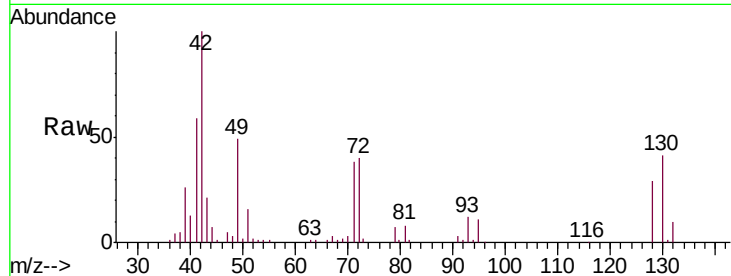
#29
Tetrahydrofuran
Concen: 99.672 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.5	34.3	51.5
71	38.4	32.2	48.4

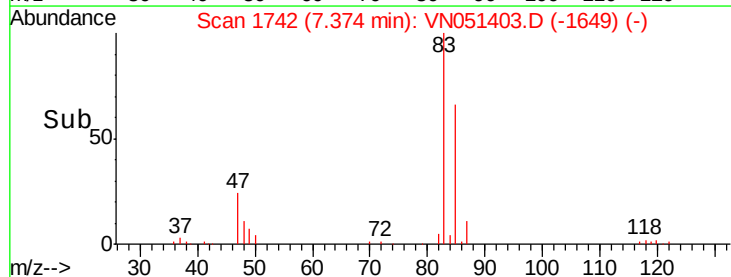
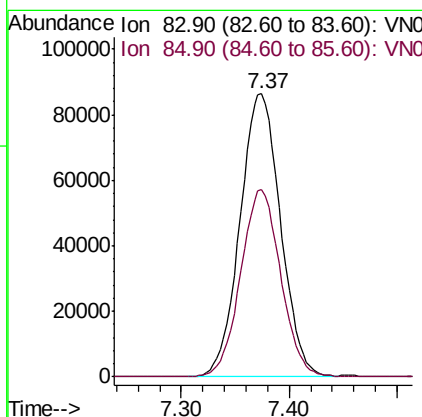
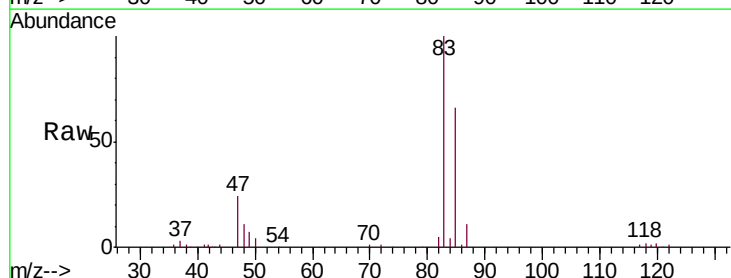
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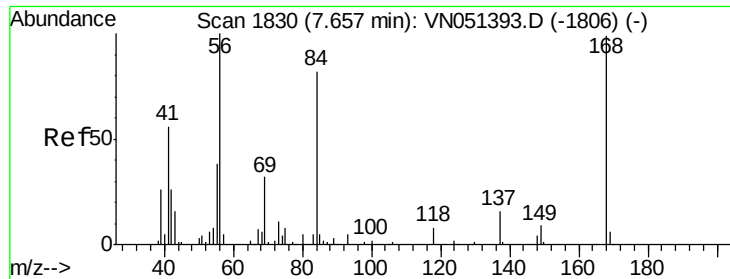
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#30
Chloroform
Concen: 20.497 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.8	77.6





#31

Cyclohexane

Concen: 19.029 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

ClientSampled :

VN0923WBS01

Tgt Ion: 56 Resp: 194138
Ion Ratio Lower Upper

56 100

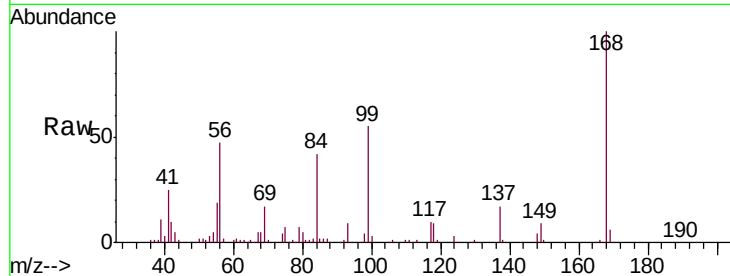
69 35.8 25.8 38.6

84 87.3 66.0 99.0

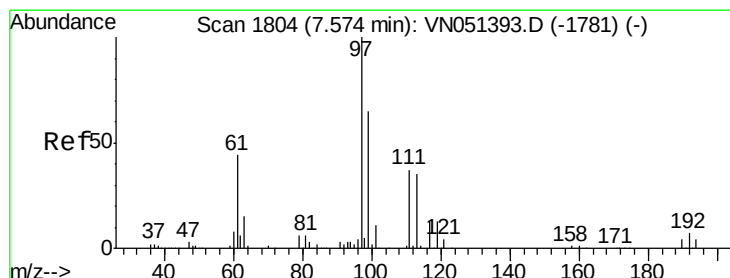
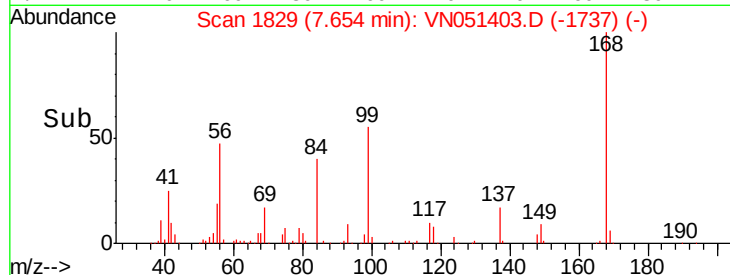
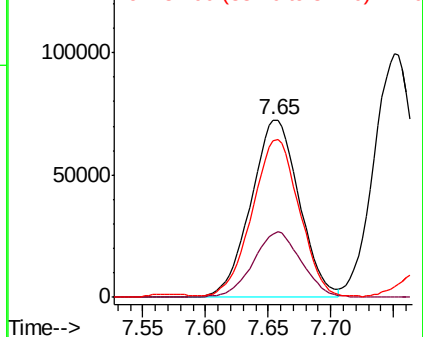
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.656 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051403.D

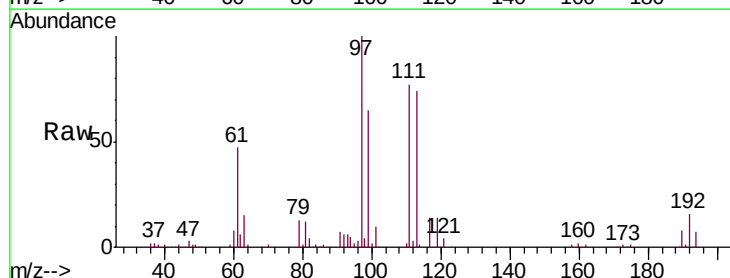
Acq: 23 Sep 2018 11:07

Tgt Ion: 97 Resp: 194840
Ion Ratio Lower Upper

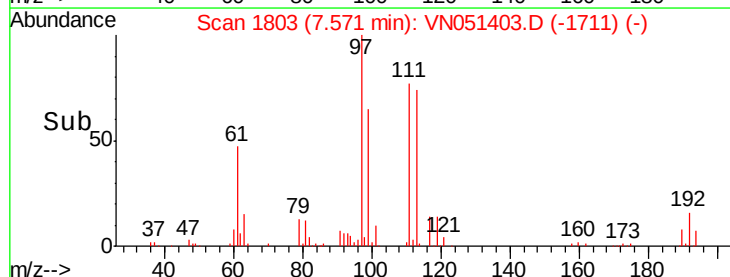
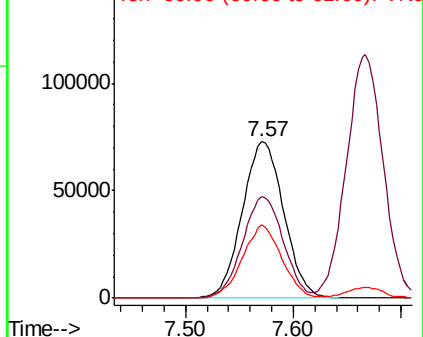
97 100

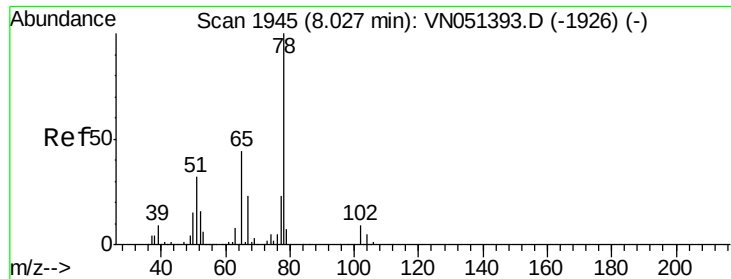
99 63.9 51.4 77.0

61 44.3 35.8 53.8



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





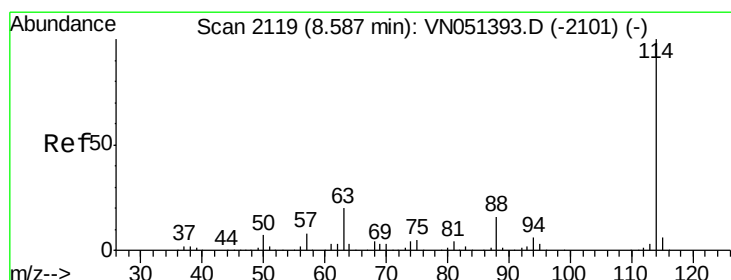
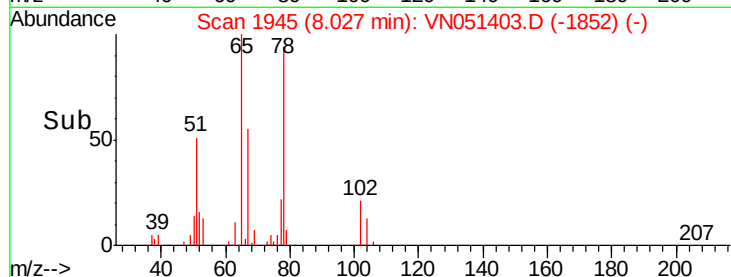
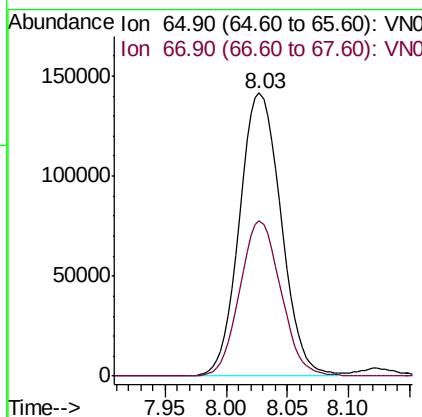
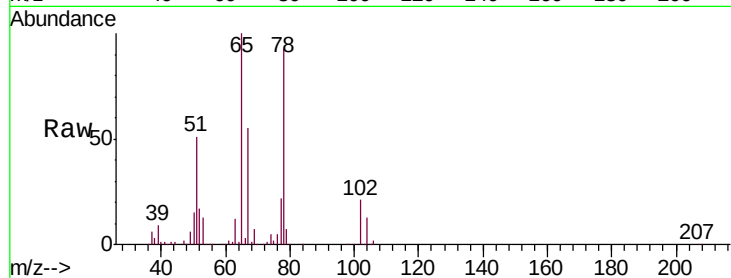
#33
 1,2-Dichloroethane-d4
 Concen: 51.598 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Tgt Ion: 65 Resp: 334309
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.8

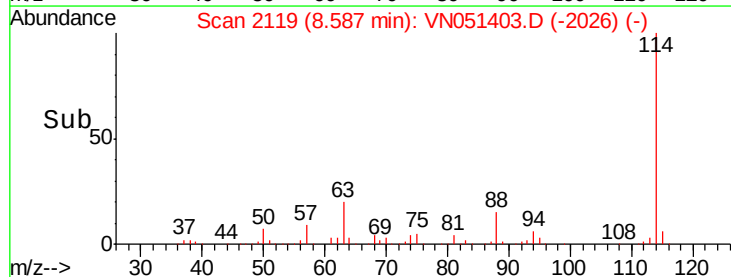
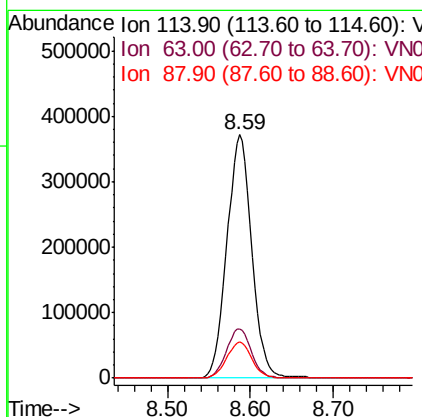
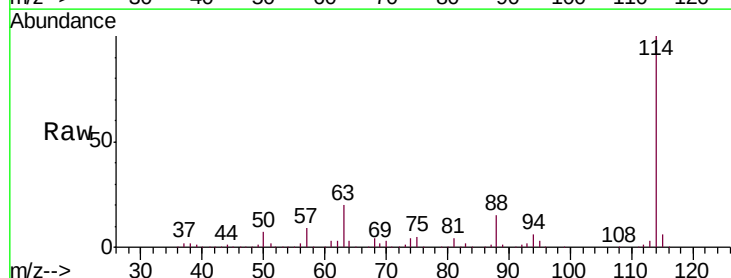
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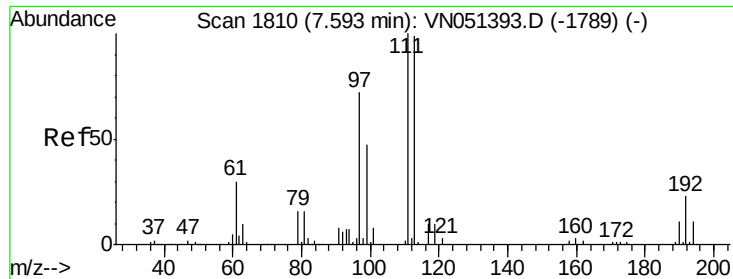
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Tgt Ion: 114 Resp: 773709
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.2
 88 15.0 0.0 31.4





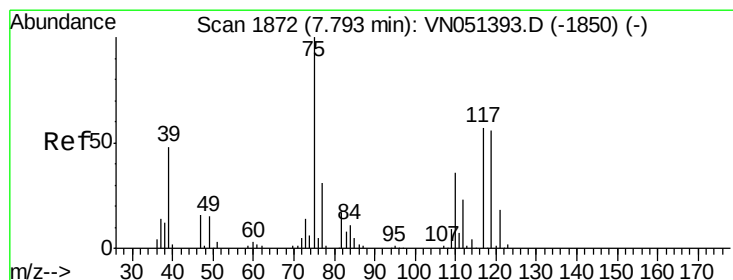
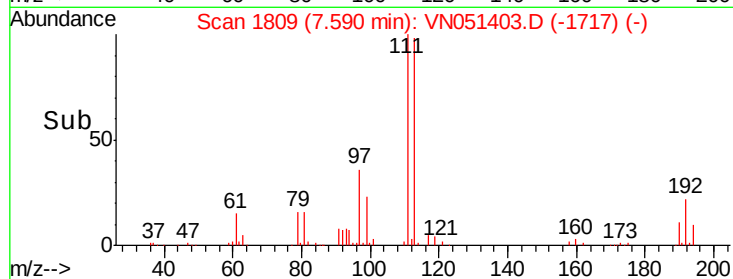
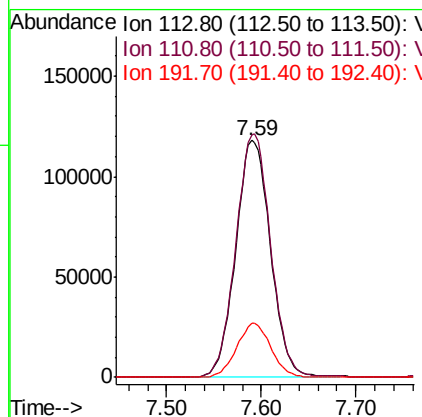
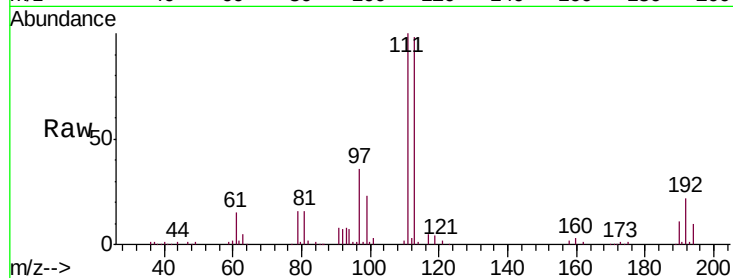
#35
 Dibromofluoromethane
 Concen: 48.856 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	82.6	123.8	
192	22.3	18.0	27.0	

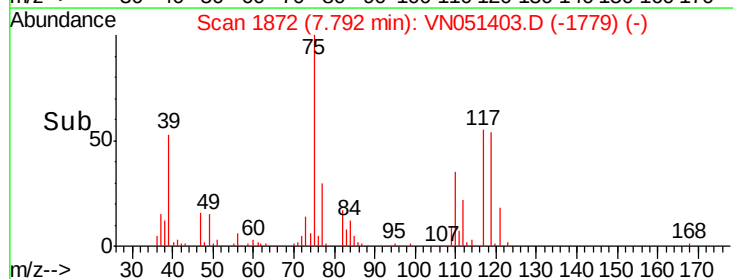
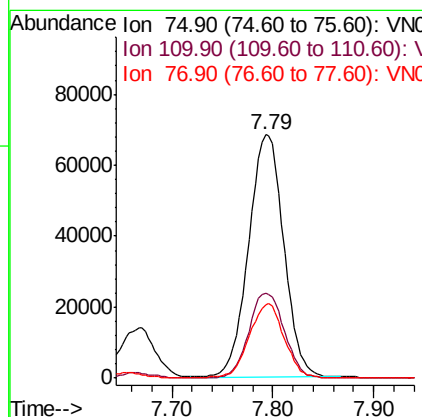
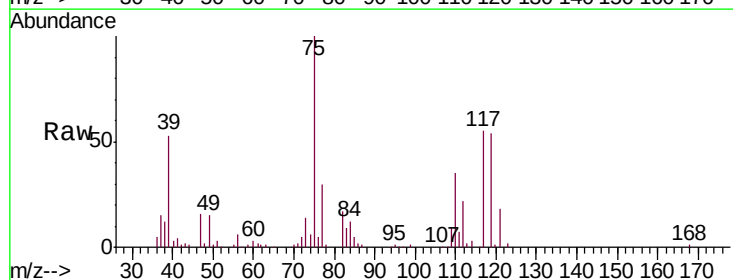
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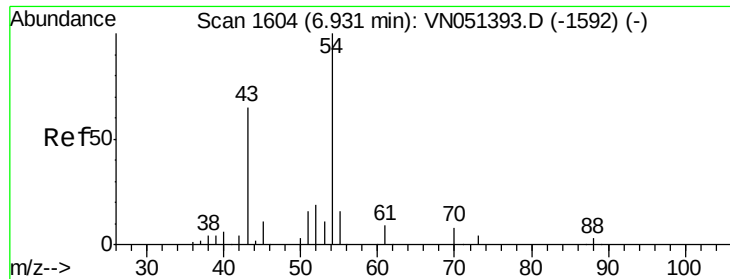
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#36
 1,1-Dichloropropene
 Concen: 18.472 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.3	18.1	54.3	
77	30.7	25.6	38.4	





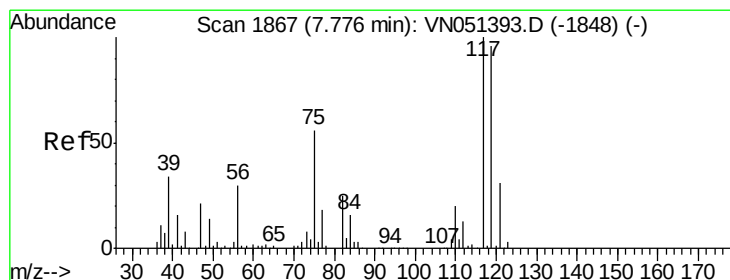
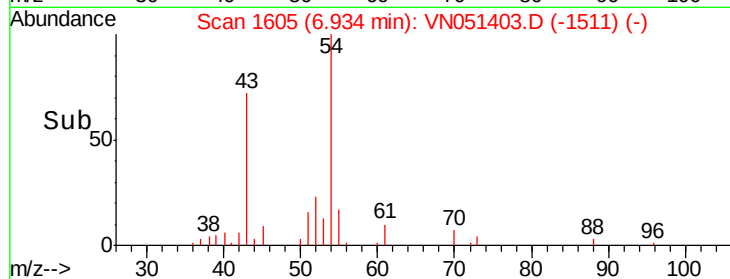
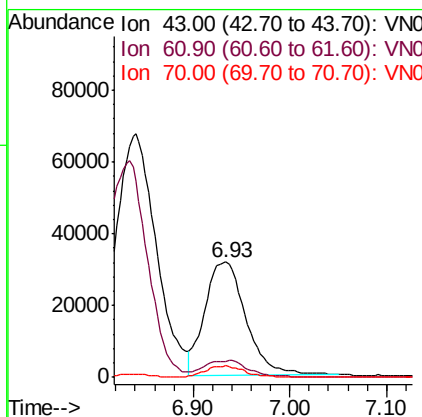
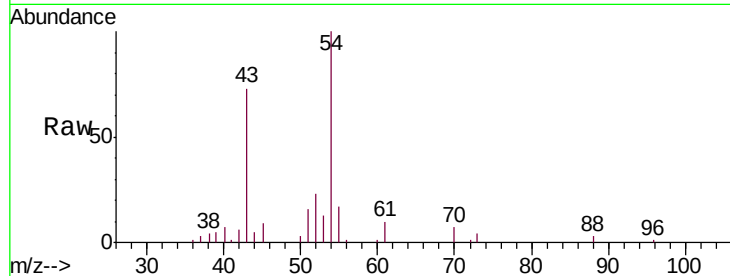
#37
Ethyl Acetate
Concen: 18.191 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.5	11.5	17.3
70	9.9	7.9	11.9

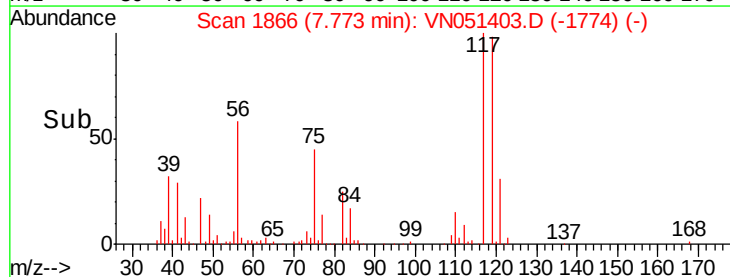
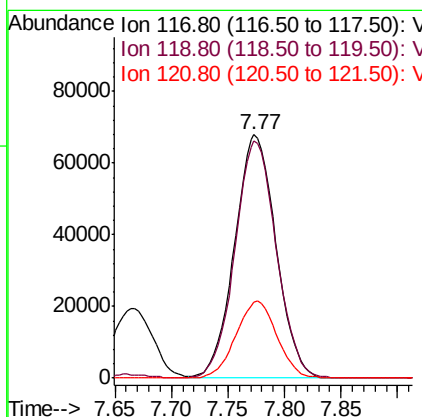
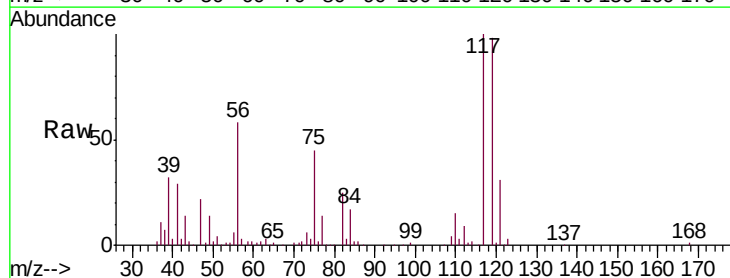
Manual Integrations
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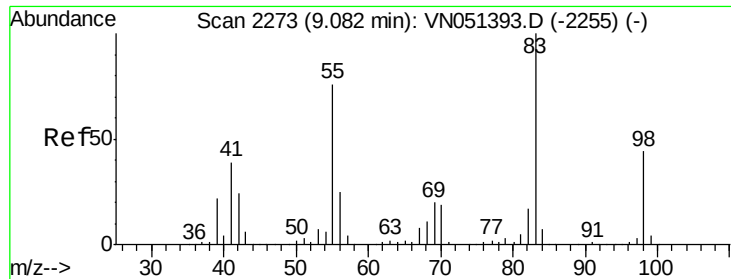
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#38
Carbon Tetrachloride
Concen: 18.310 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.9	115.3
121	31.3	24.6	37.0





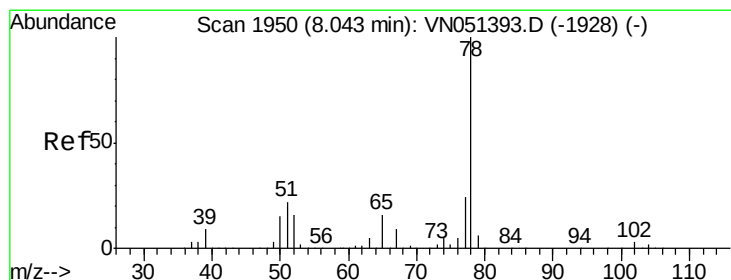
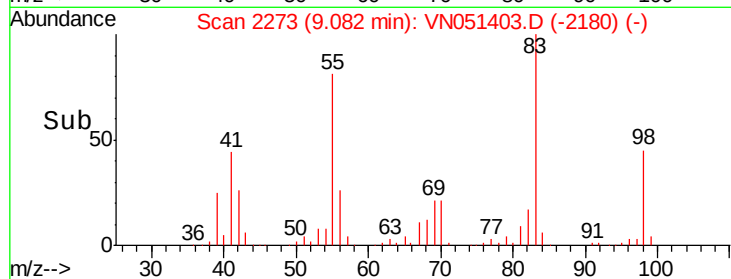
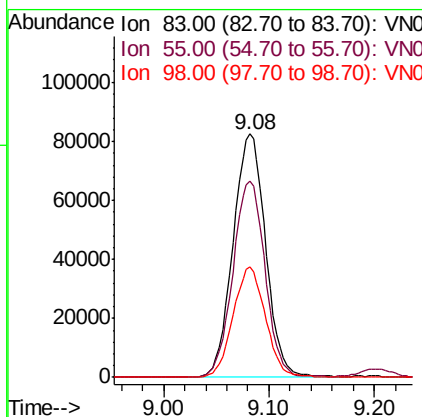
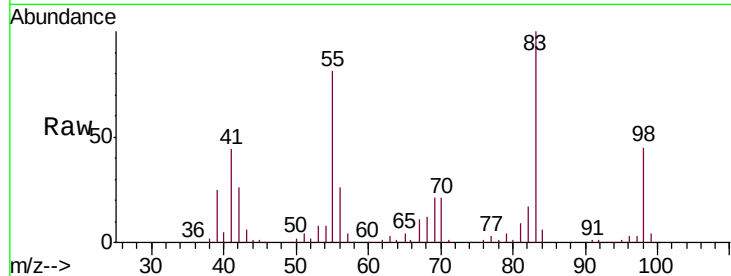
#39
Methylcyclohexane
Concen: 16.893 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.8	61.0	91.4
98	45.4	35.6	53.4

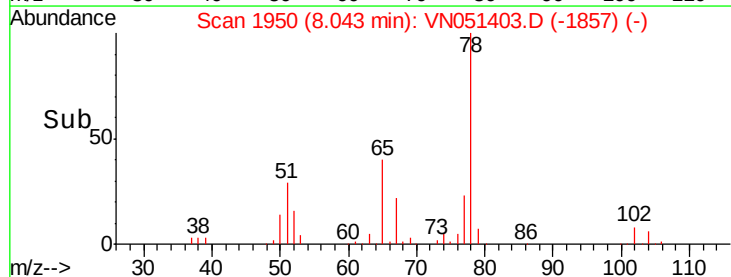
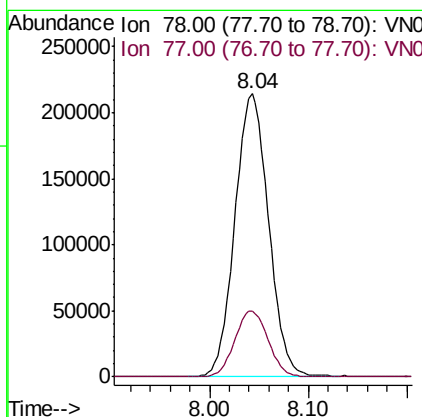
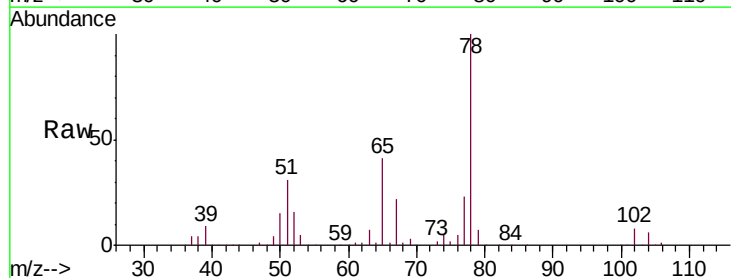
Manual Integrations
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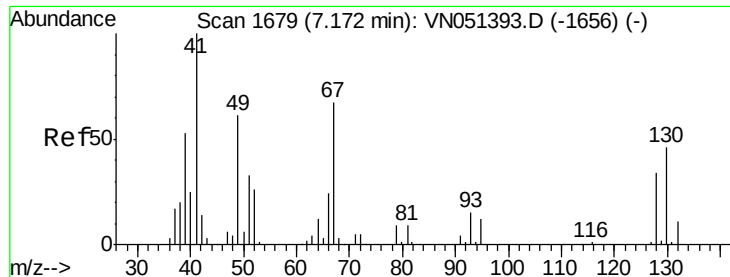
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#40
Benzene
Concen: 19.326 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8





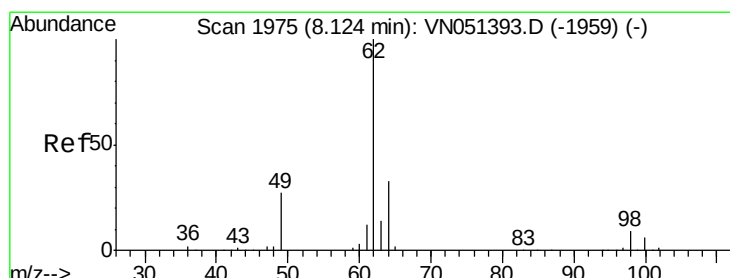
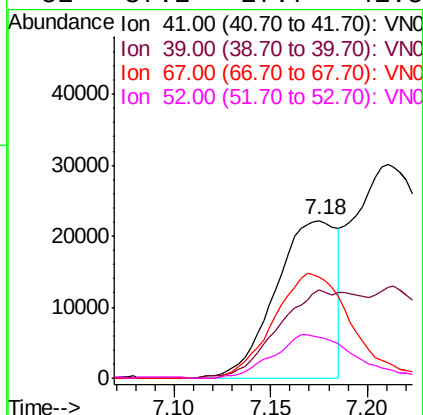
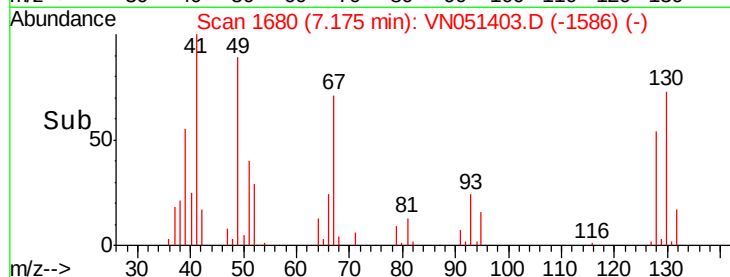
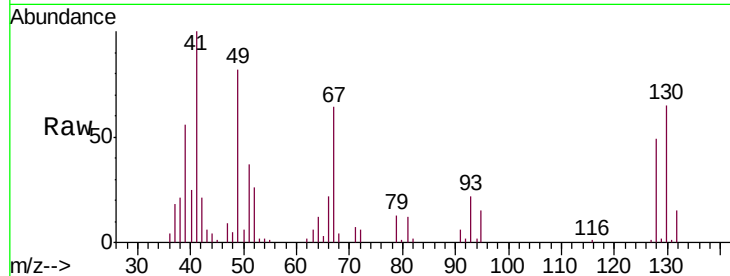
#41
Methacrylonitrile
Concen: 17.184 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tgt Ion: 41 Resp: 48976
Ion Ratio Lower Upper
41 100
39 49.2 51.4 77.2#
67 84.6 66.8 100.2
52 37.2 27.7 41.5

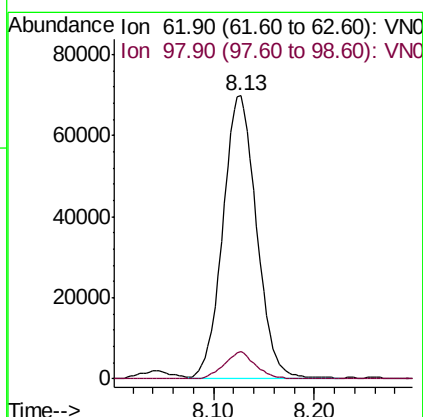
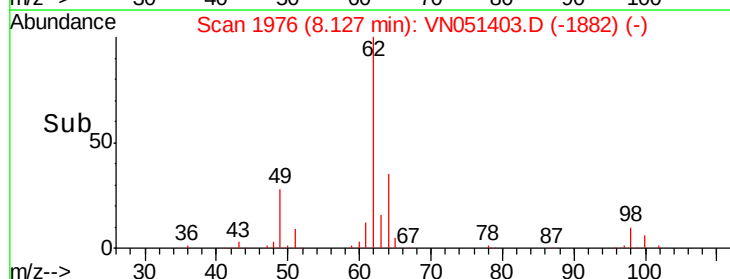
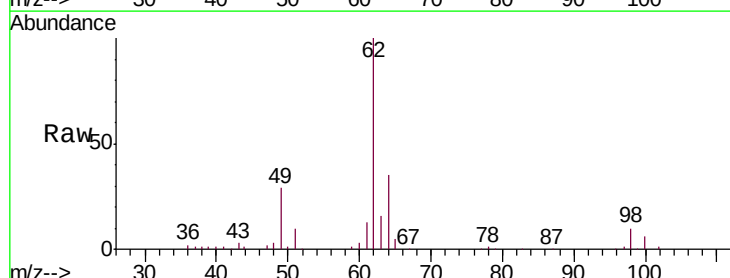
Manual Integrations
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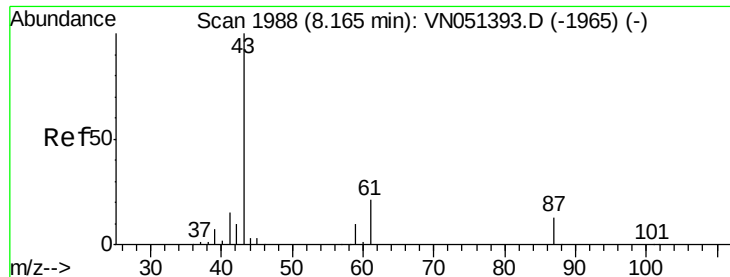
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#42
1,2-Dichloroethane
Concen: 19.241 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Tgt Ion: 62 Resp: 162084
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.6





#43

Isopropyl Acetate

Concen: 18.324 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

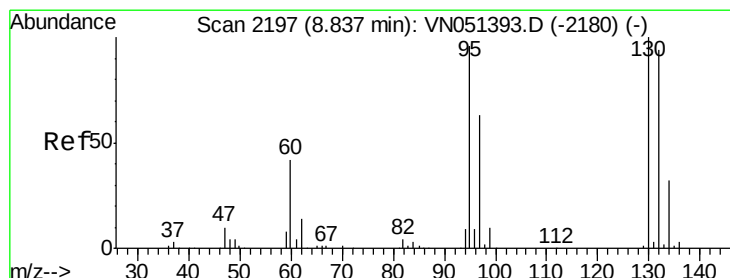
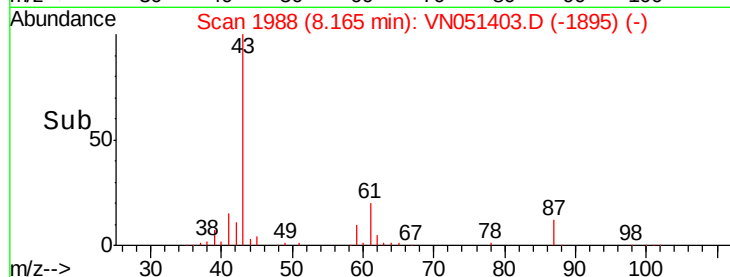
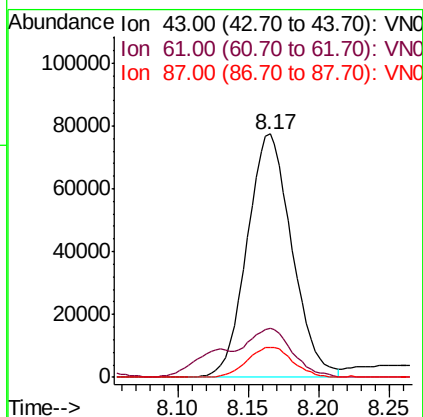
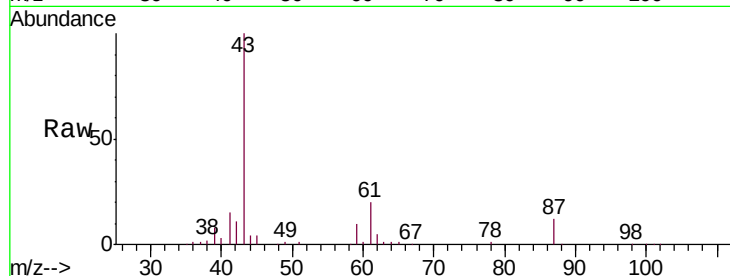
ClientSampleId :

VN0923WBS01

Tgt Ion:	43	Resp:	170693
Ion	Ratio	Lower	Upper
43	100		
61	19.8	16.8	25.2
87	12.6	10.7	16.1

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#44

Trichloroethene

Concen: 18.548 ug/l

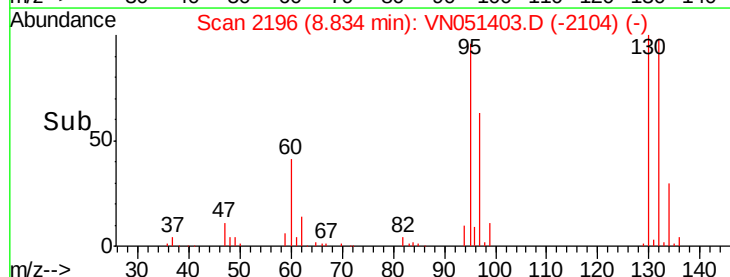
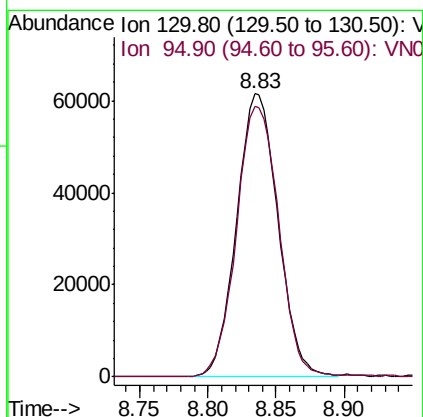
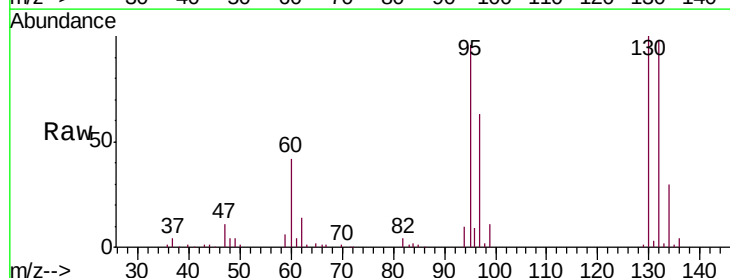
RT: 8.83 min Scan# 2196

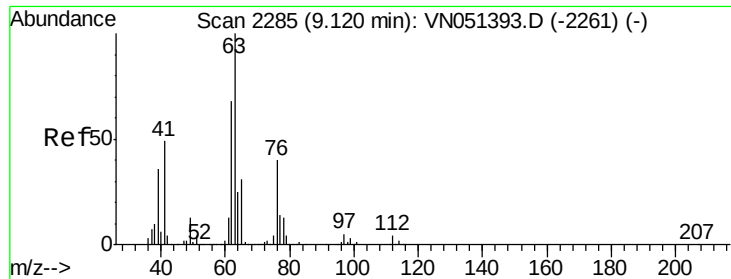
Delta R.T. -0.00 min

Lab File: VN051403.D

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Tgt Ion:	130	Resp:	129607
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	192.2





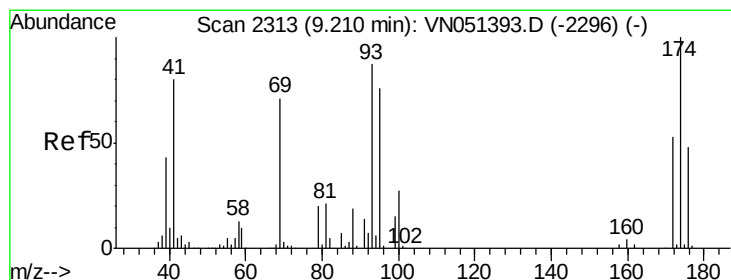
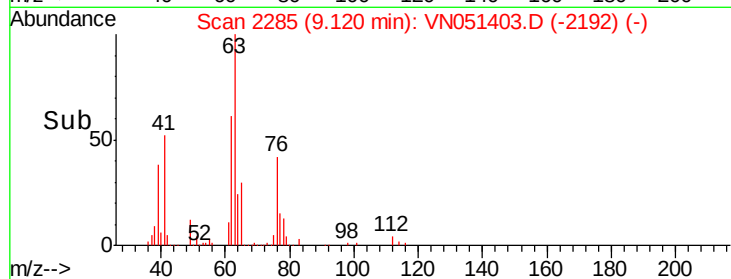
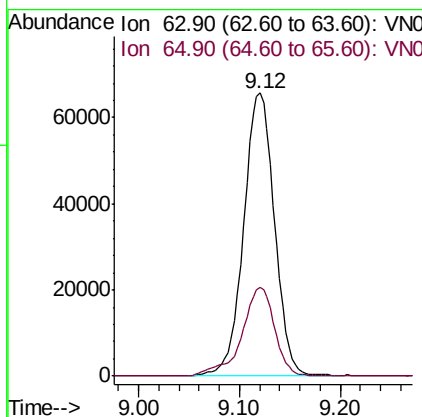
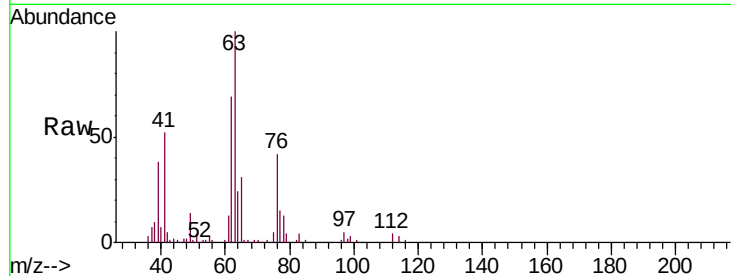
#45
 1,2-Dichloropropane
 Concen: 19.417 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923WBS01

Tgt Ion: 63 Resp: 138856
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.9 37.3

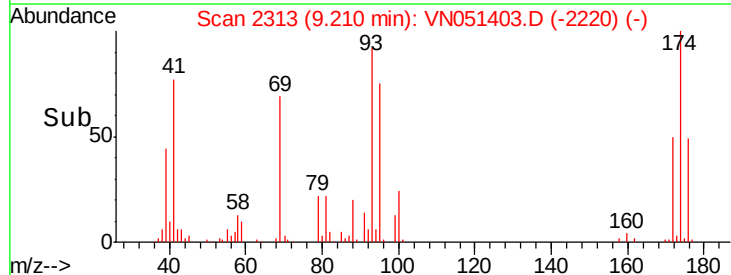
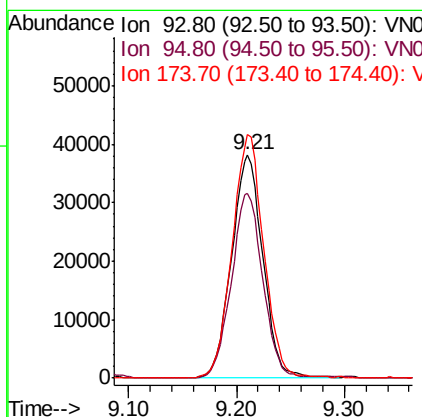
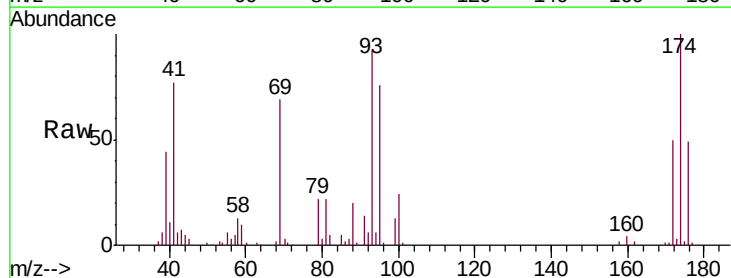
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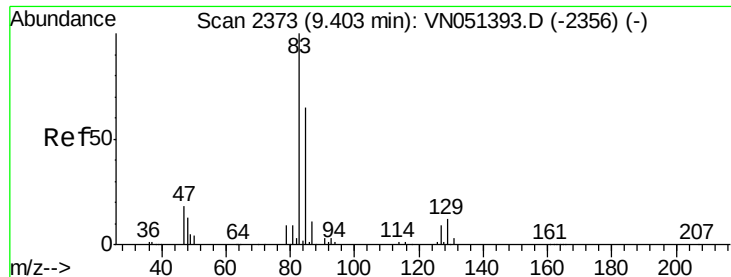
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#46
 Dibromomethane
 Concen: 19.131 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Tgt Ion: 93 Resp: 77301
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.6 101.4
 174 110.2 89.6 134.4





#47

Bromodichloromethane

Concen: 18.996 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

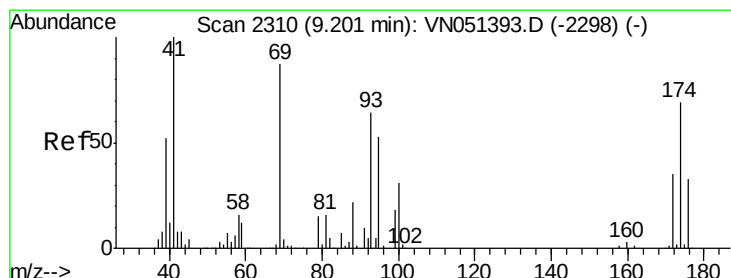
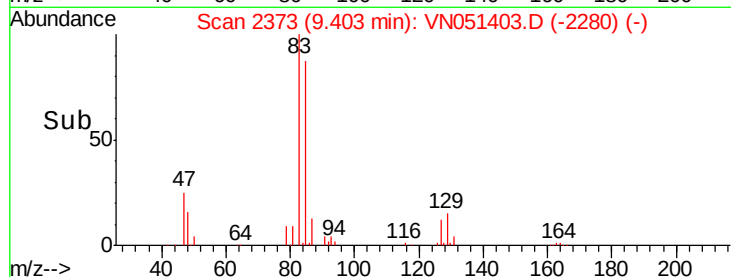
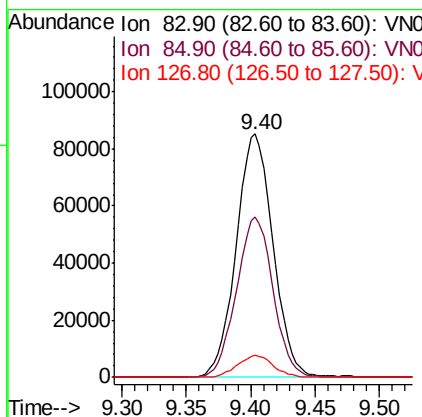
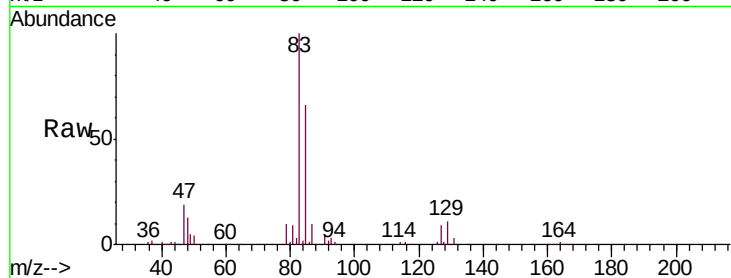
ClientSampled :

VN0923WBS01

Tgt Ion:	83	Resp:	169862
Ion Ratio	Lower	Upper	
83	100		
85	65.7	51.8	77.6
127	8.9	7.4	11.2

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#48

Methyl methacrylate

Concen: 17.625 ug/l

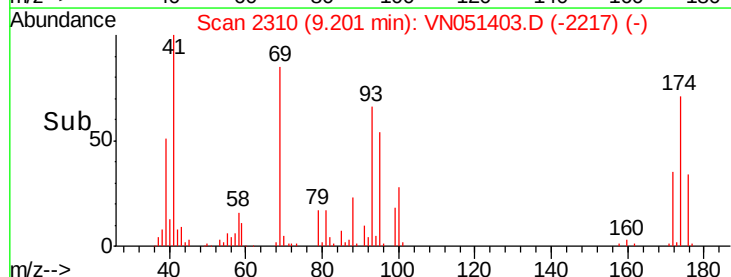
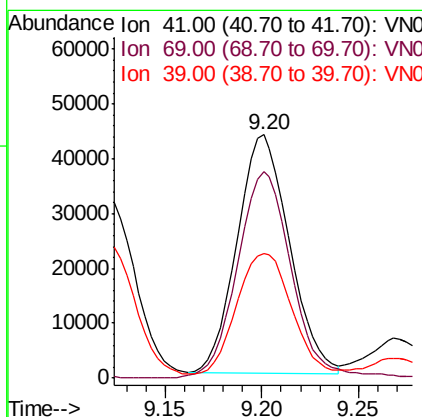
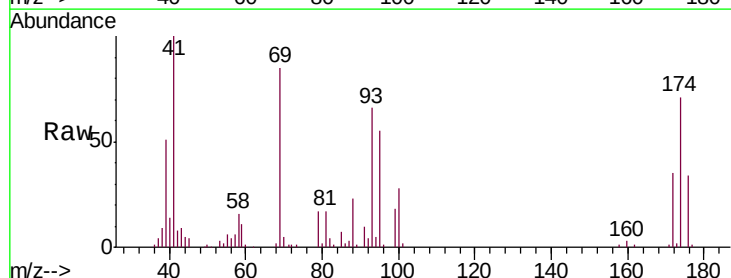
RT: 9.20 min Scan# 2310

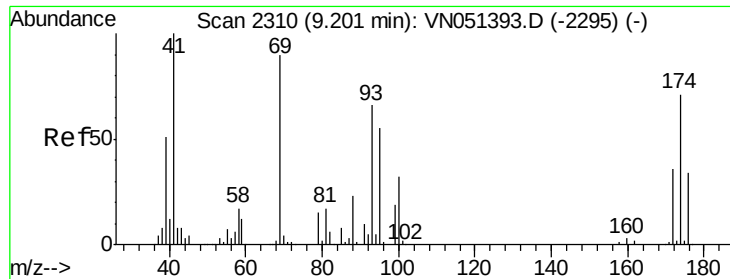
Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Tgt Ion:	41	Resp:	81857
Ion Ratio	Lower	Upper	
41	100		
69	89.8	70.4	105.6
39	56.1	43.8	65.8





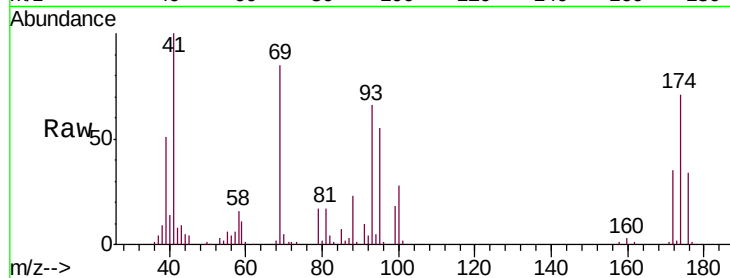
#49
 1,4-Dioxane
 Concen: 376.557 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923WBS01

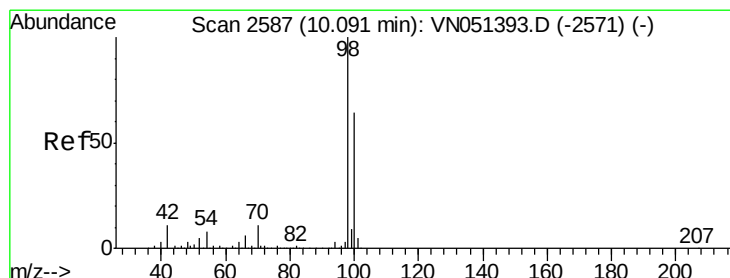
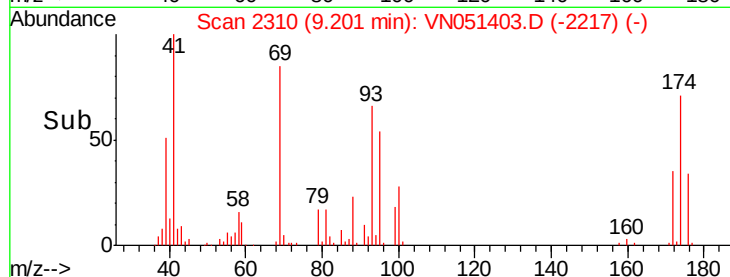
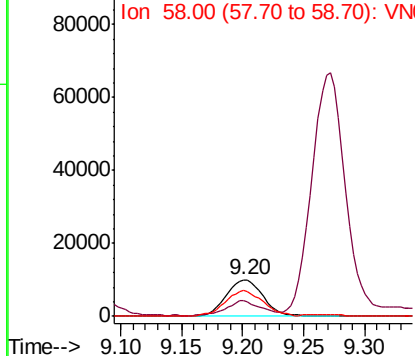
Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.9	25.9	38.9
58	71.5	57.0	85.4

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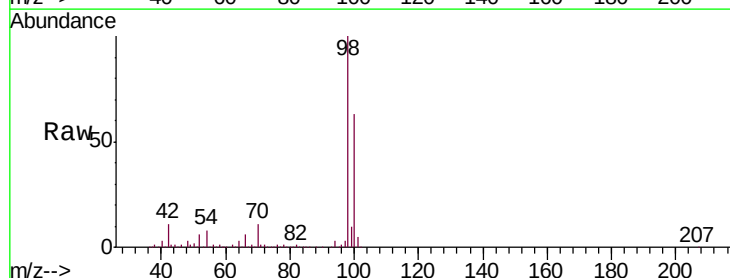


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

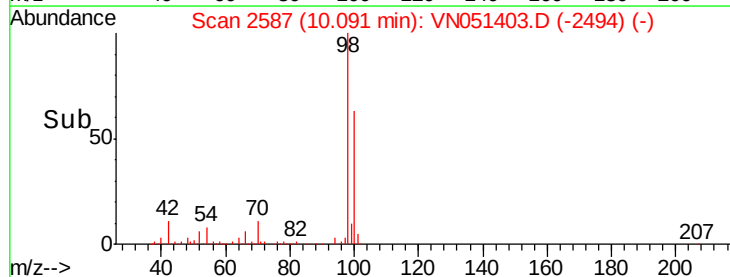
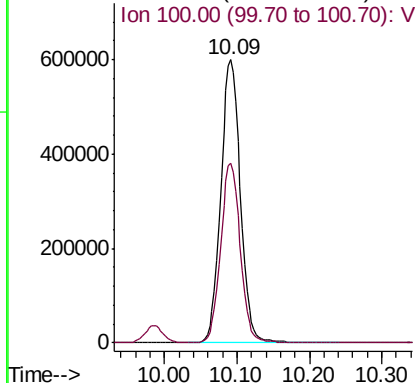


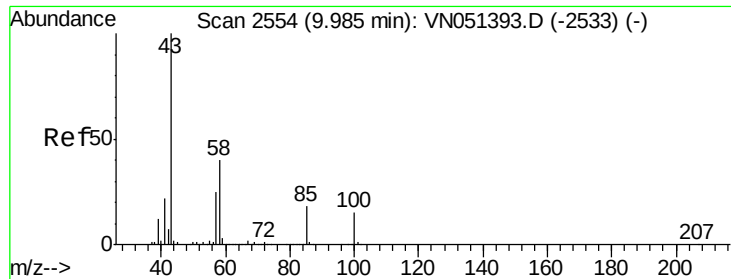
#50
 Toluene-d8
 Concen: 48.139 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.6	75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





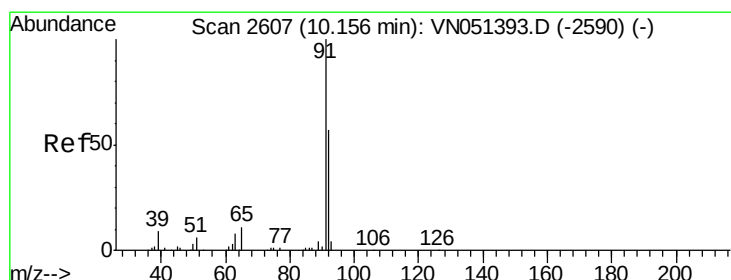
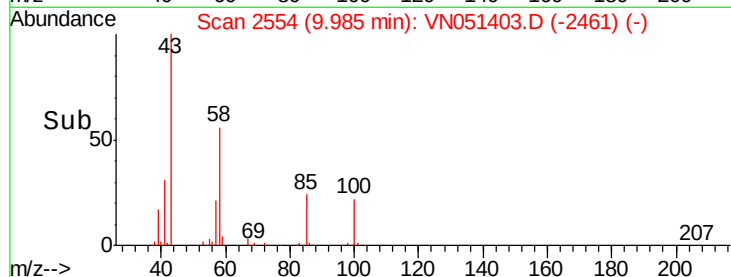
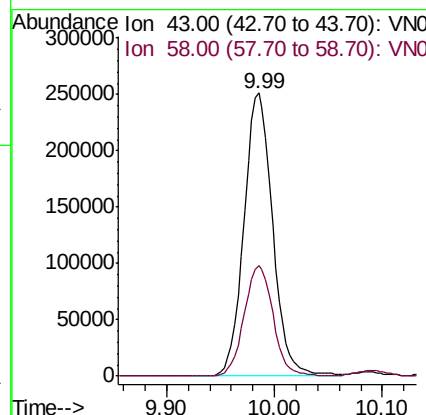
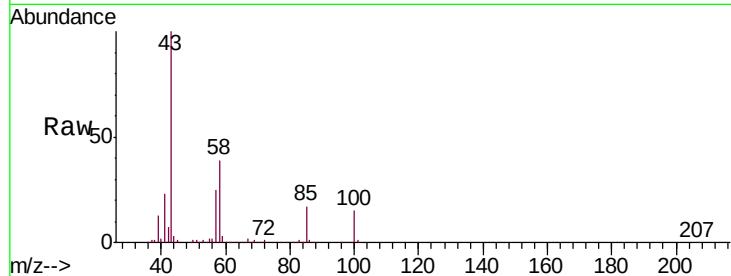
#51
 4-Methyl-2-Pentanone
 Concen: 90.690 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Tgt Ion: 43 Resp: 464613
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.5 47.3

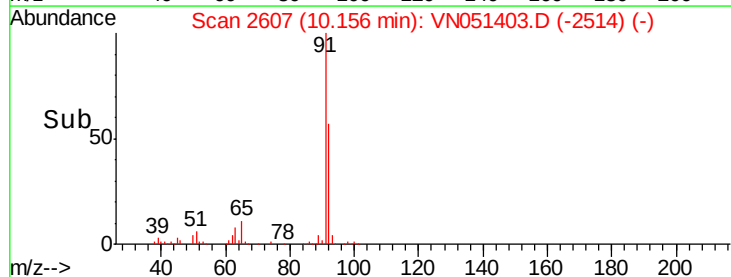
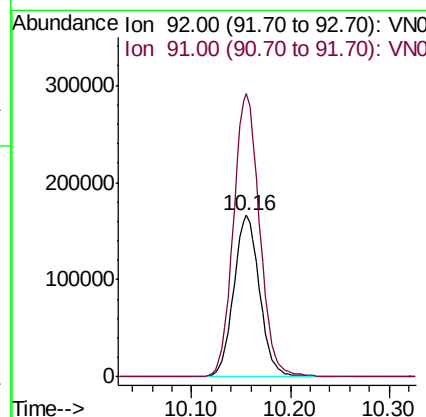
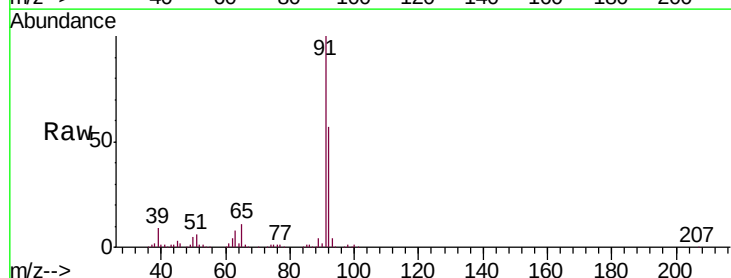
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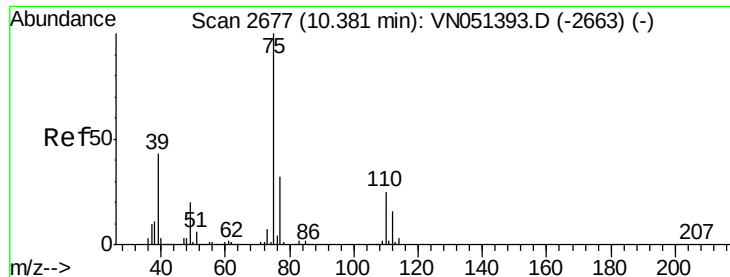
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#52
 Toluene
 Concen: 18.667 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Tgt Ion: 92 Resp: 305183
 Ion Ratio Lower Upper
 92 100
 91 177.4 142.2 213.4





#53

t-1,3-Dichloropropene

Concen: 16.698 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

ClientSampled :

VN0923WBS01

Tgt Ion: 75 Resp: 150742

Ion Ratio Lower Upper

75 100

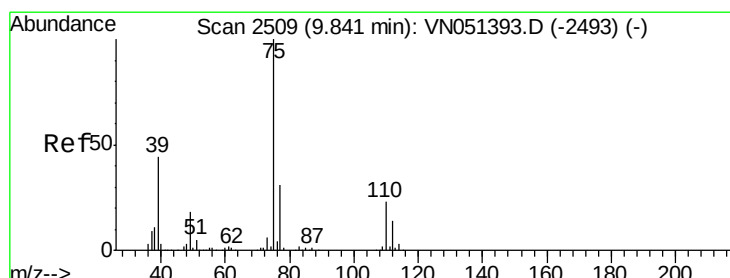
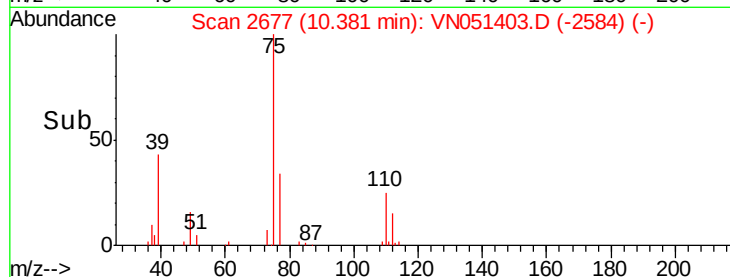
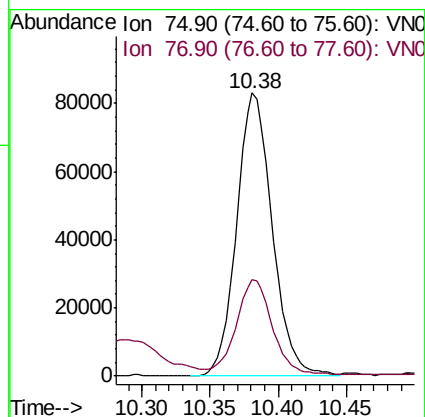
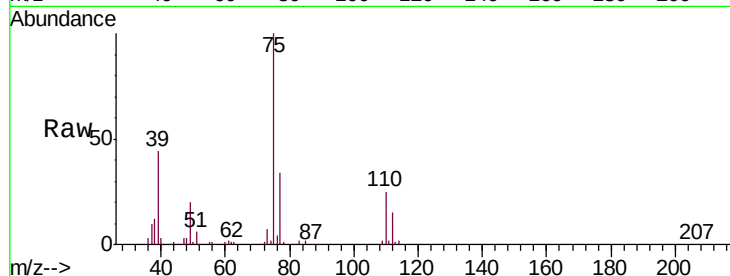
77 33.2 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 17.469 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

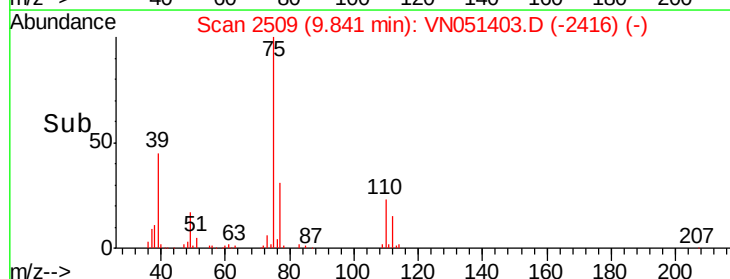
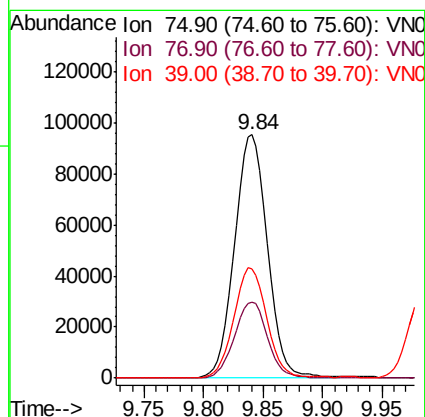
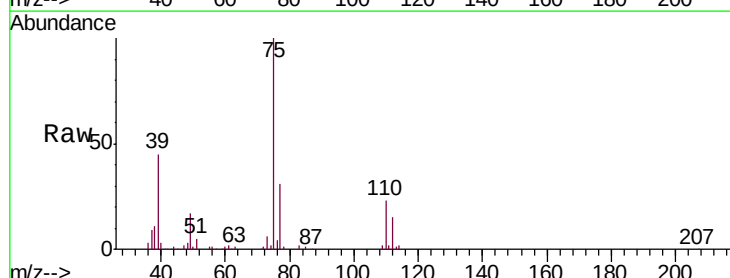
Tgt Ion: 75 Resp: 182883

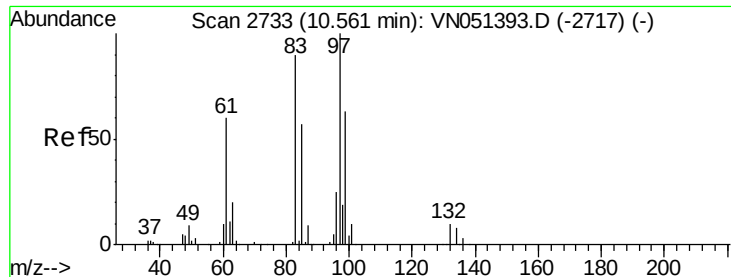
Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

39 44.9 35.4 53.2





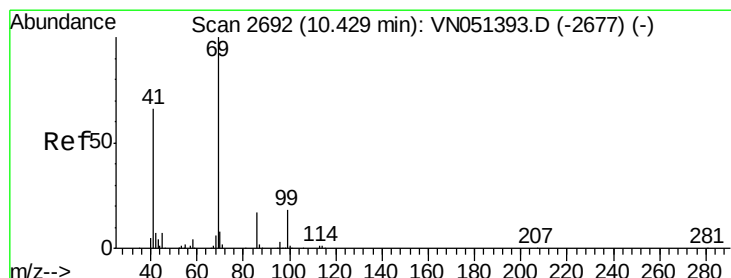
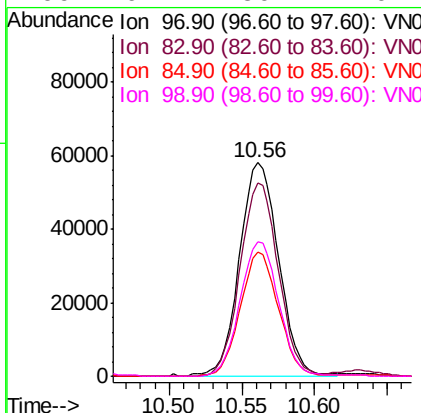
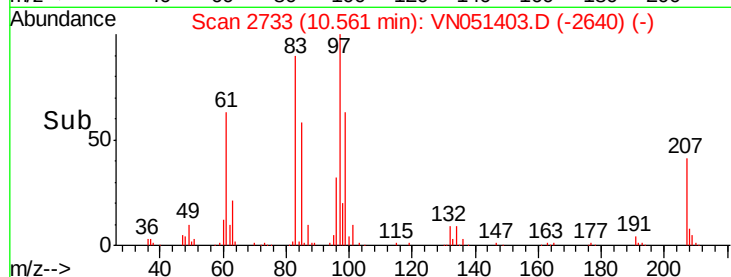
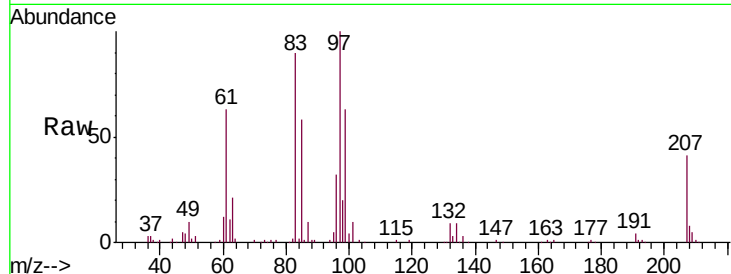
#55
 1,1,2-Trichloroethane
 Concen: 18.927 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Tgt Ion:	97	Resp:	109359
Ion	Ratio	Lower	Upper
97	100		
83	90.3	72.0	108.0
85	58.0	45.2	67.8
99	62.7	50.7	76.1

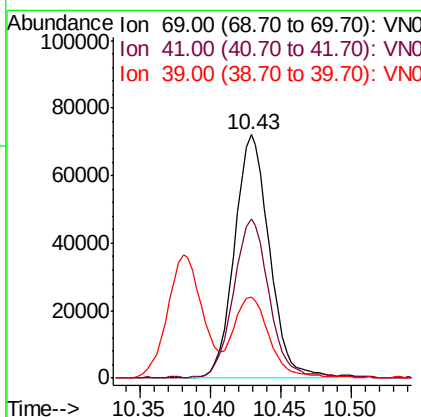
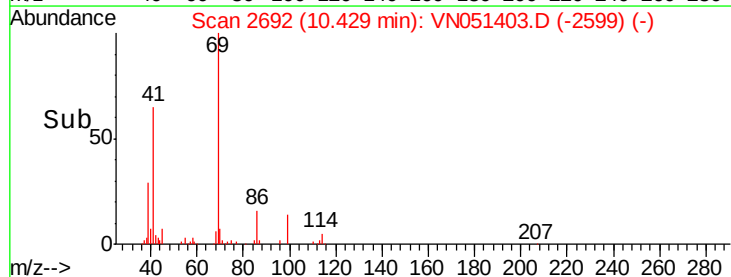
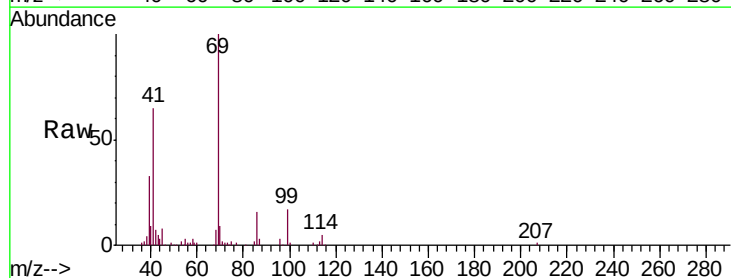
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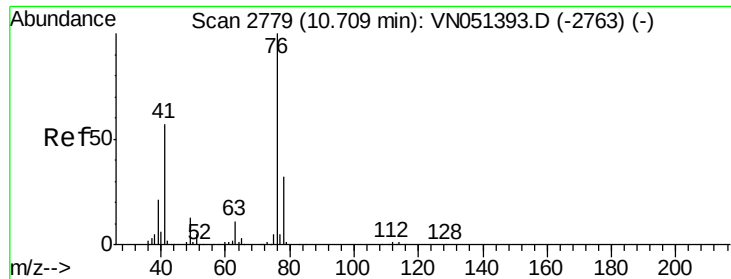
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#56
 Ethyl methacrylate
 Concen: 17.770 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Tgt Ion:	69	Resp:	125535
Ion	Ratio	Lower	Upper
69	100		
41	65.5	52.4	78.6
39	34.1	26.3	39.5





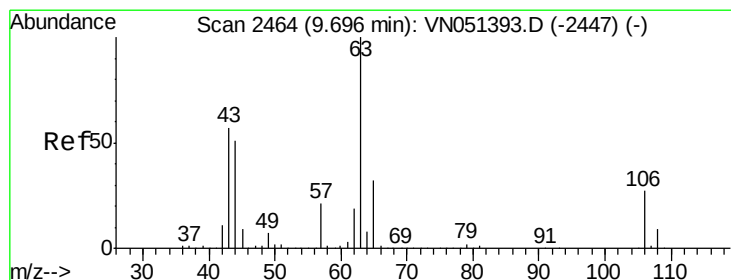
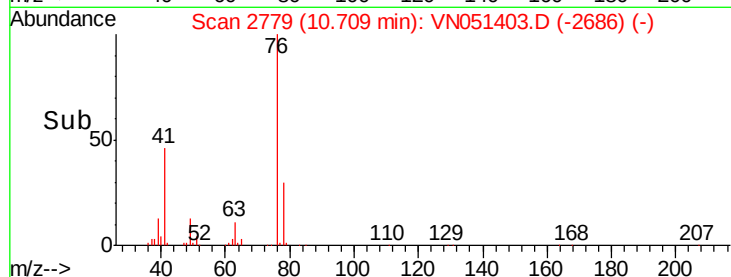
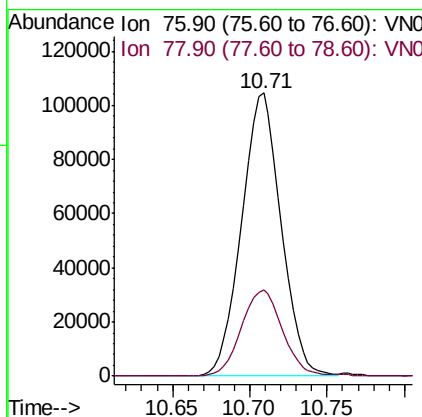
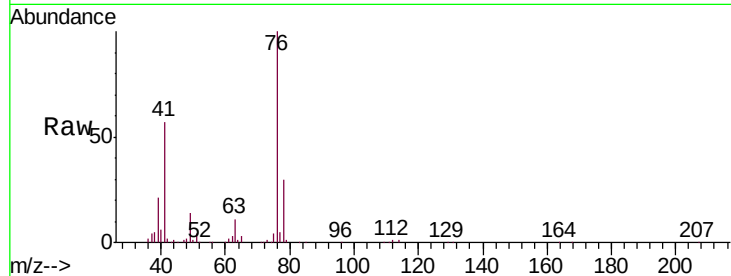
#57
 1,3-Dichloropropane
 Concen: 18.803 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923WBS01

Tgt Ion: 76 Resp: 186218
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.5 38.3

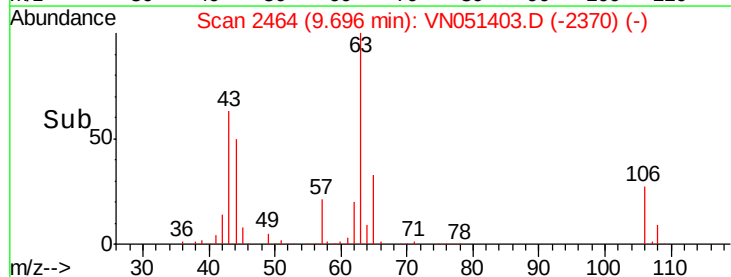
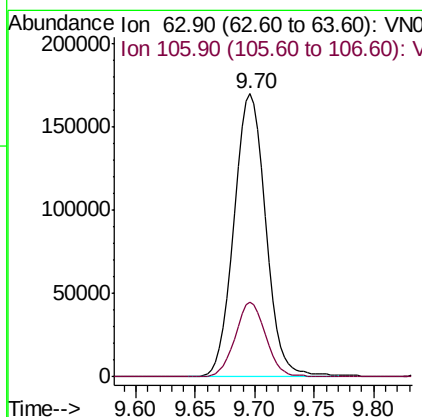
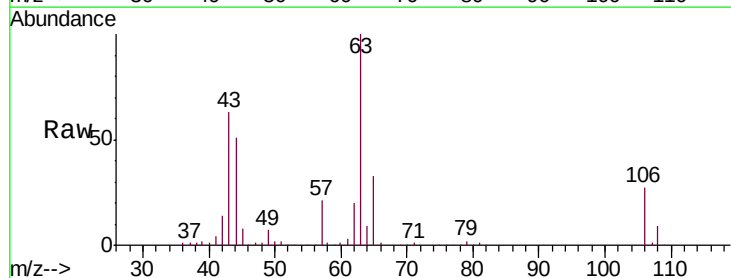
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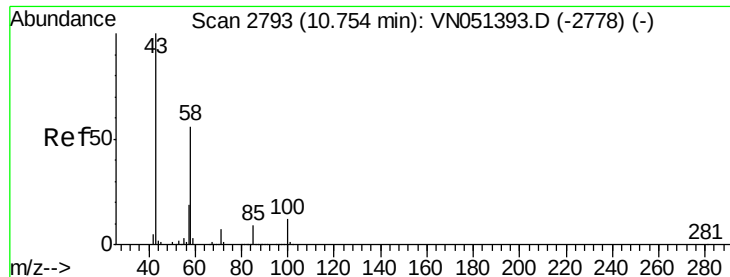
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#58
 2-Chloroethyl Vinyl ether
 Concen: 96.297 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Tgt Ion: 63 Resp: 316029
 Ion Ratio Lower Upper
 63 100
 106 25.4 21.4 32.2





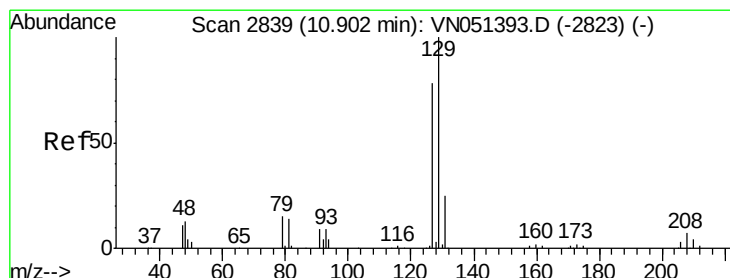
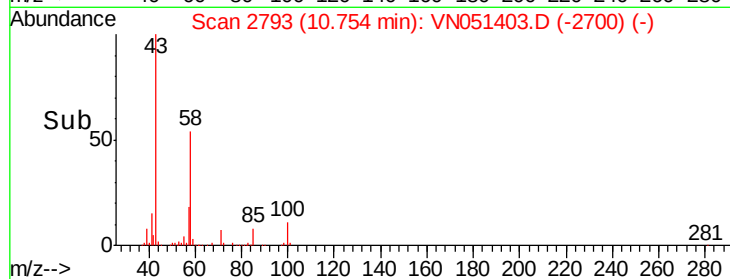
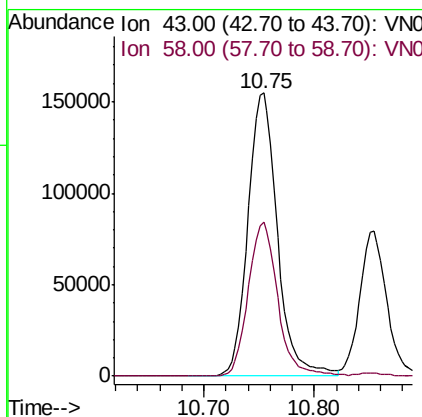
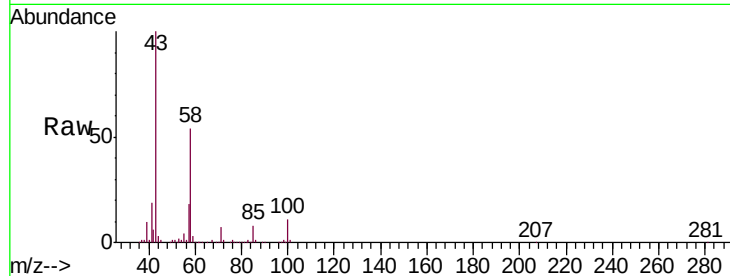
#59
2-Hexanone
Concen: 86.323 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tgt Ion: 43 Resp: 286687
Ion Ratio Lower Upper
43 100
58 54.3 27.7 83.0

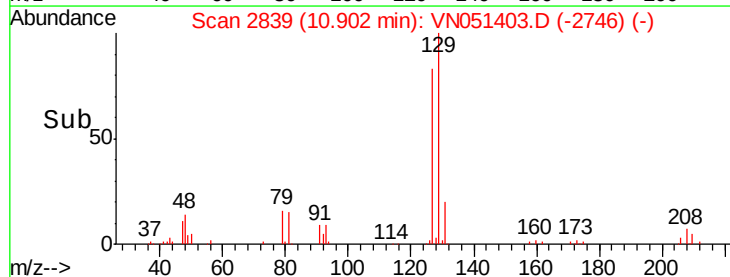
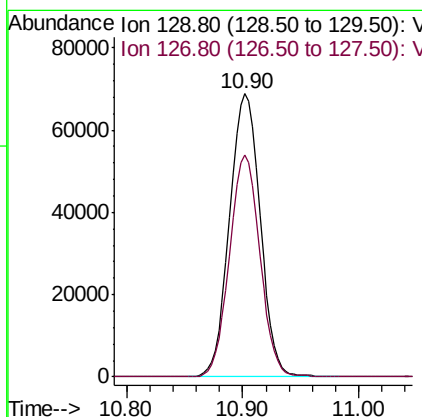
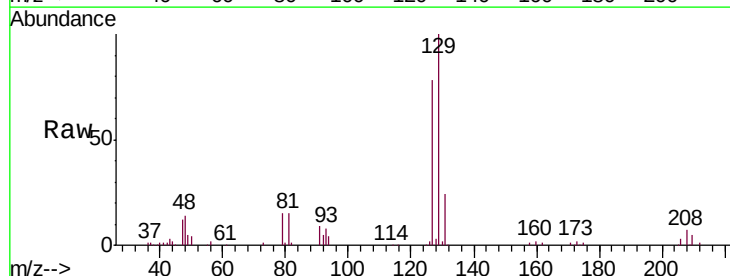
Manual Integrations
APPROVED

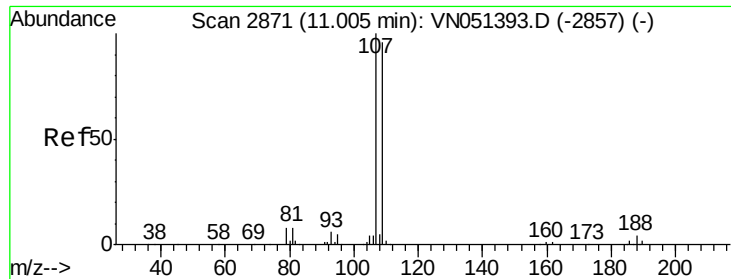
apatel
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#60
Dibromochloromethane
Concen: 18.472 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Tgt Ion: 129 Resp: 125932
Ion Ratio Lower Upper
129 100
127 77.7 38.6 116.0





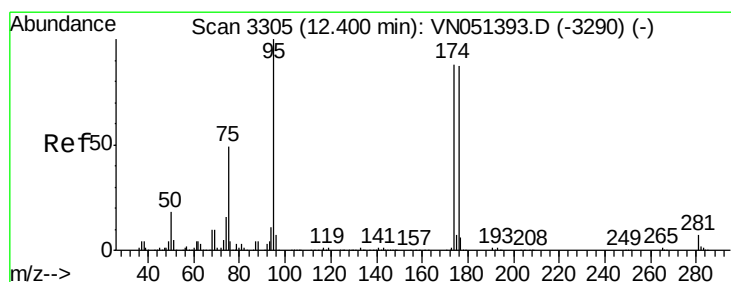
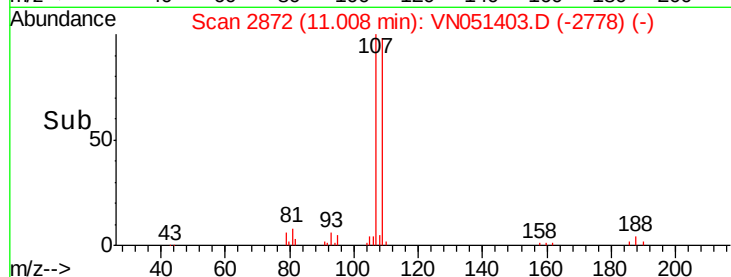
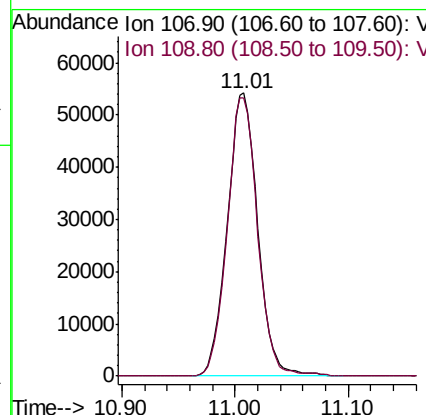
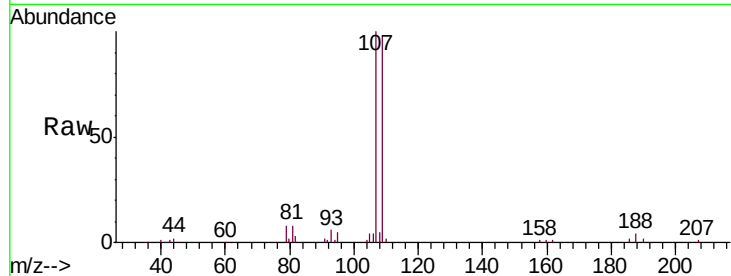
#61
 1,2-Dibromoethane
 Concen: 18.080 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Tgt Ion	Ratio	Lower	Upper
107	100		
109	97.4	76.3	114.5

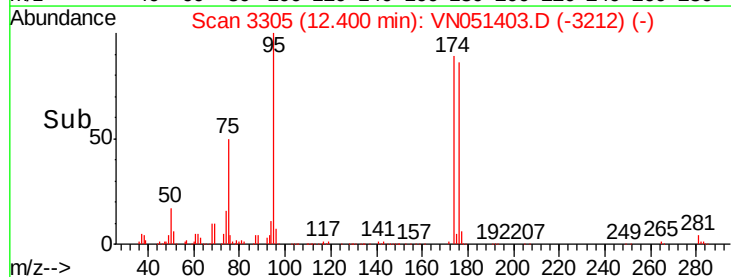
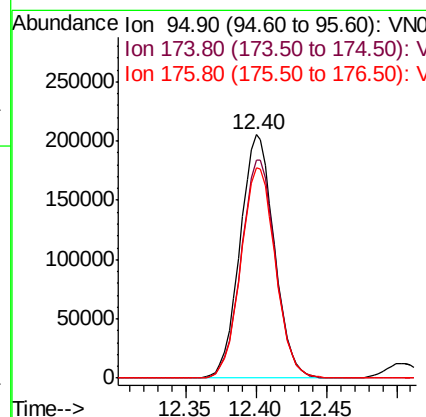
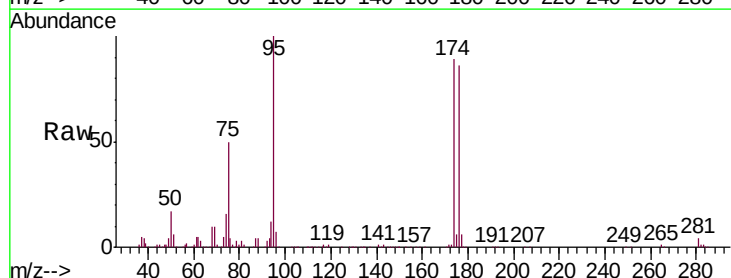
Manual Integrations
 APPROVED

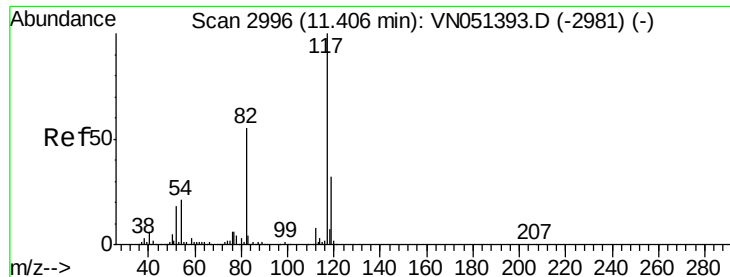
apatel
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#62
 4-Bromofluorobenzene
 Concen: 46.308 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.8	0.0	181.6
176	87.2	0.0	176.4





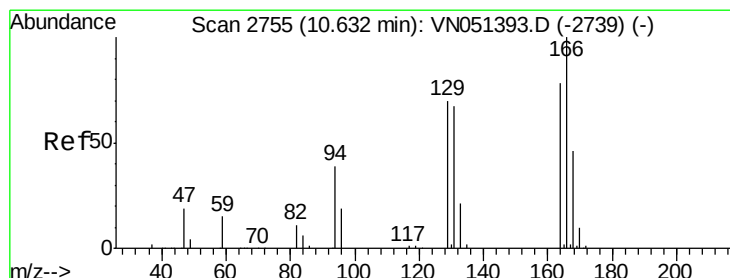
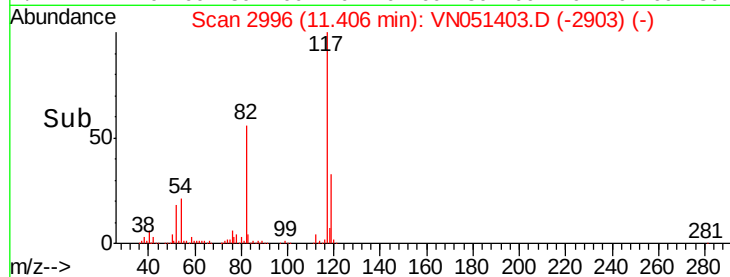
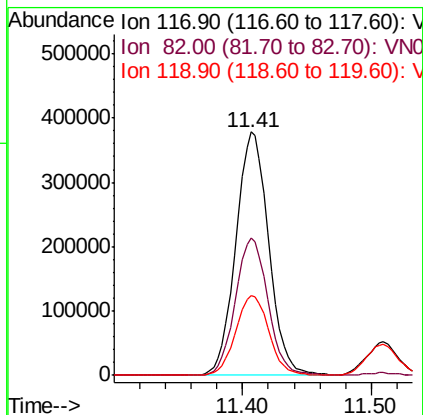
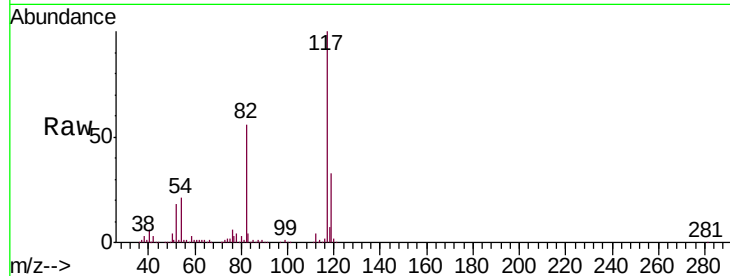
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	671552		
82	56.2	44.2	66.2	
119	33.0	25.9	38.9	

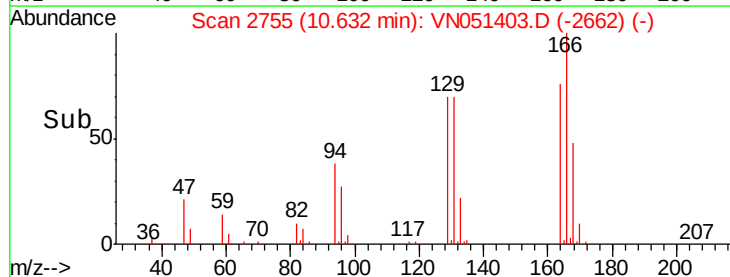
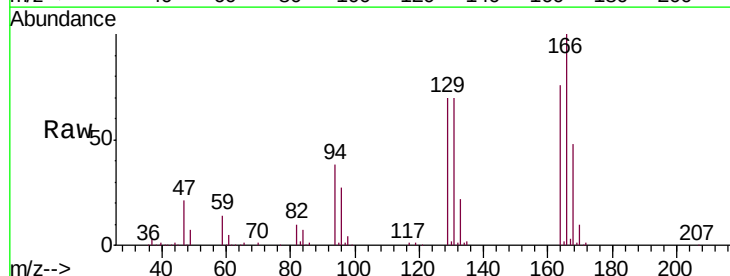
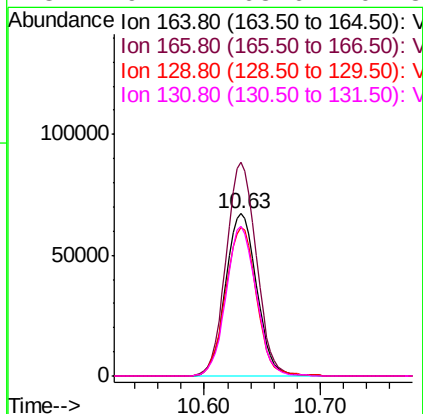
Manual Integrations
APPROVED

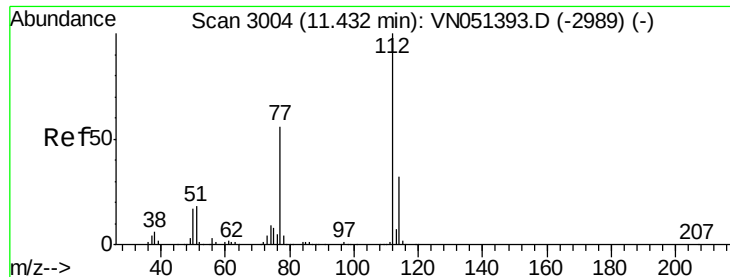
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#64
Tetrachloroethene
Concen: 20.394 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	124296		
166	131.6	102.3	153.5	
129	91.8	71.8	107.8	
131	92.4	68.6	102.8	





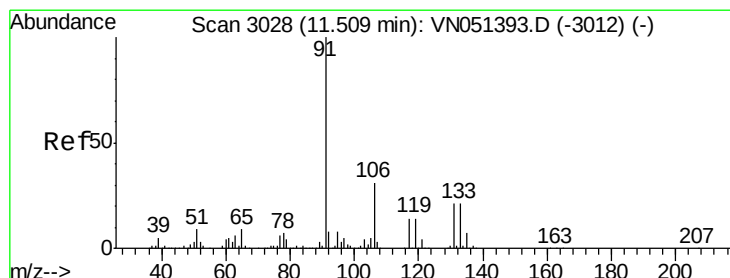
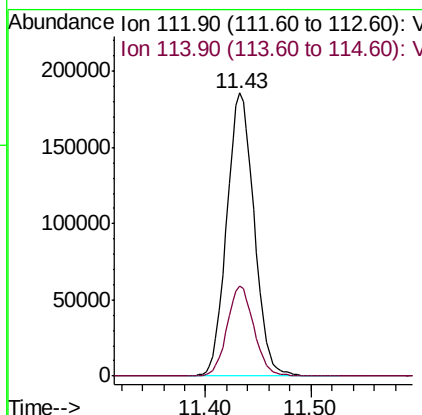
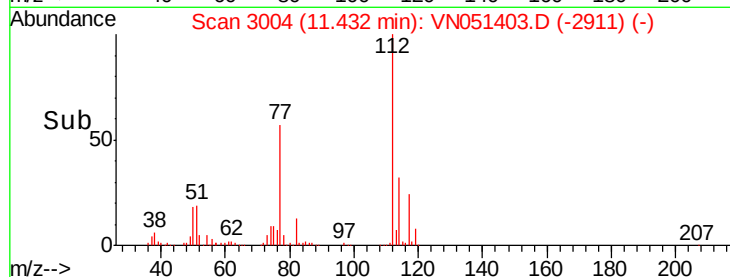
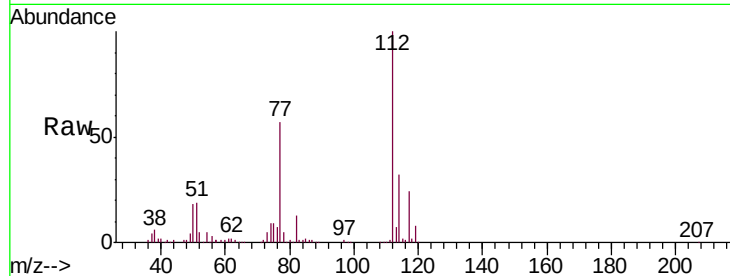
#65
Chlorobenzene
Concen: 19.324 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tgt Ion:112 Resp: 332953
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

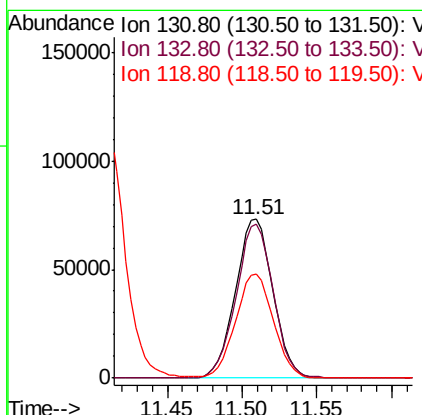
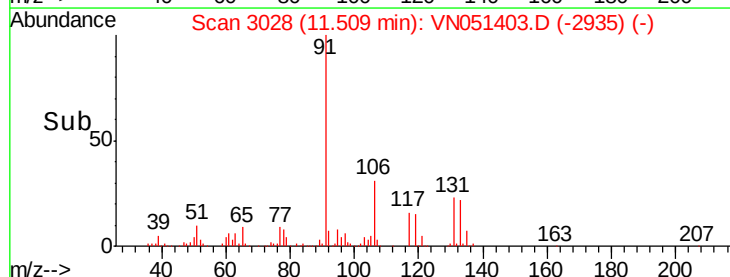
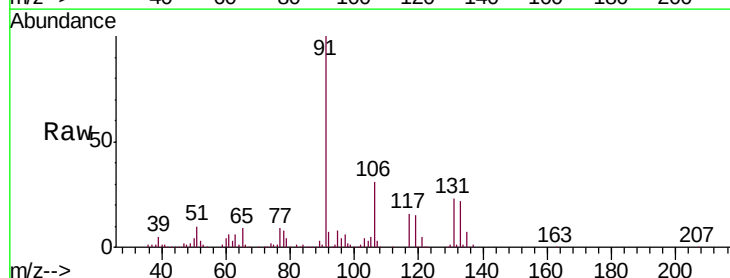
Manual Integrations
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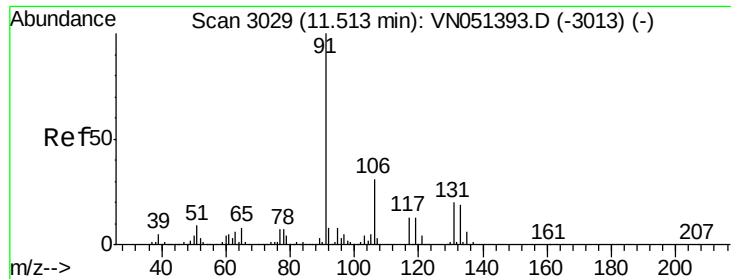
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.420 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Tgt Ion:131 Resp: 127482
Ion Ratio Lower Upper
131 100
133 96.2 48.3 144.8
119 66.3 32.8 98.4





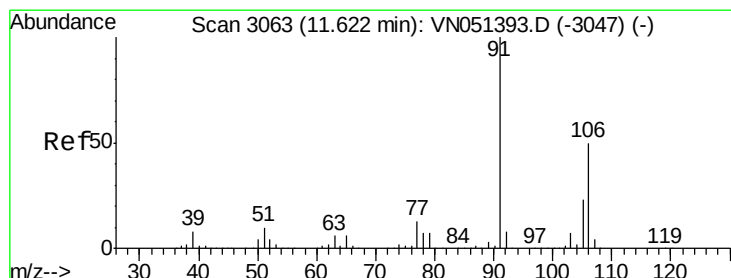
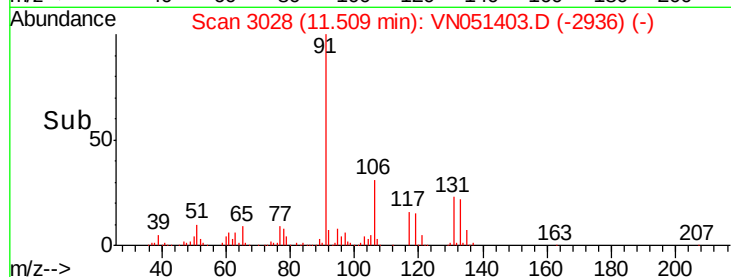
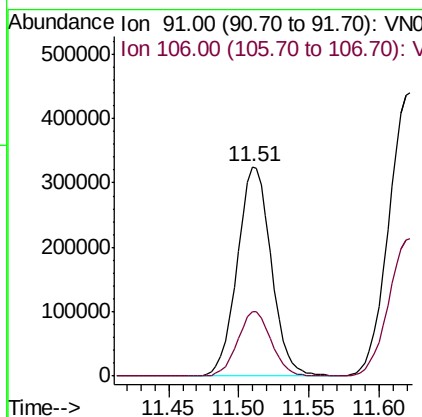
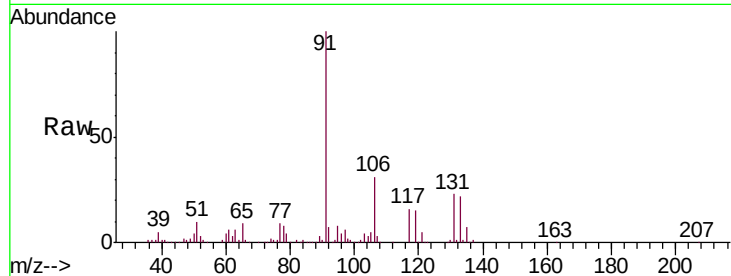
#67
Ethyl Benzene
Concen: 18.878 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tgt Ion: 91 Resp: 548148
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.4

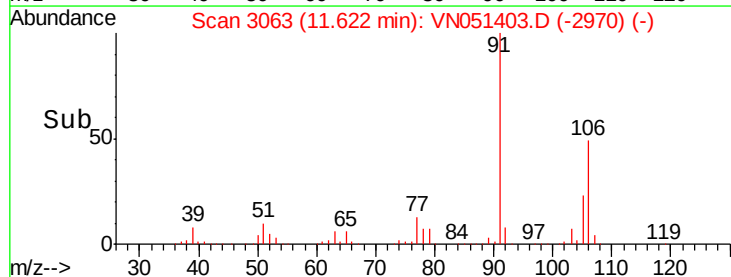
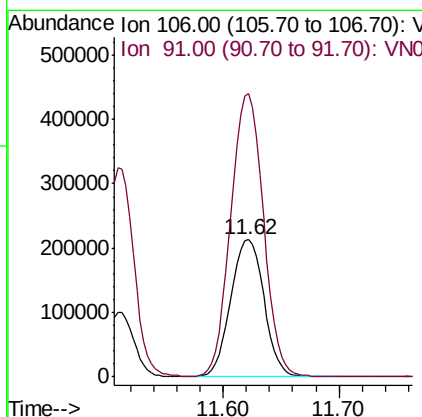
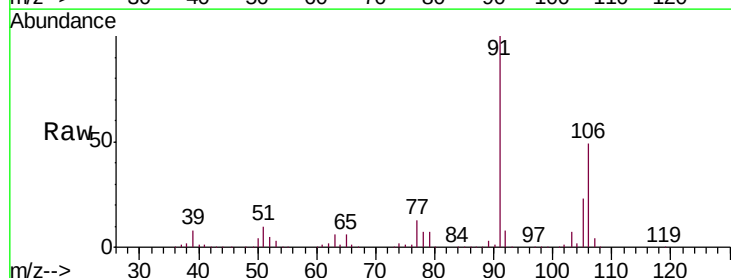
Manual Integrations
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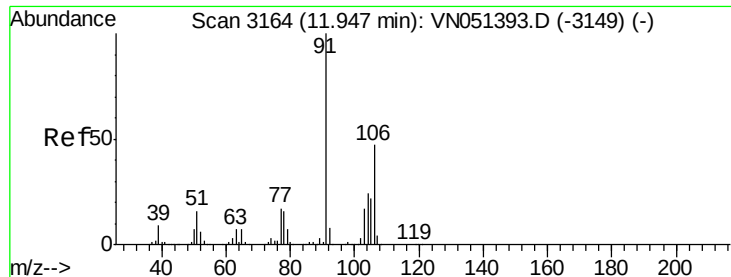
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#68
m/p-Xylenes
Concen: 37.816 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Tgt Ion: 106 Resp: 424738
Ion Ratio Lower Upper
106 100
91 202.7 161.3 241.9





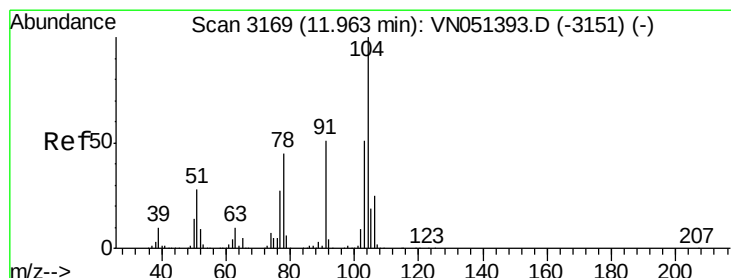
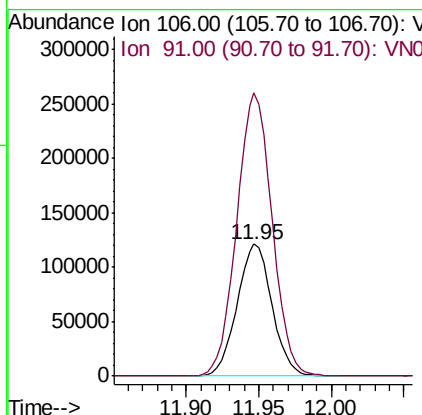
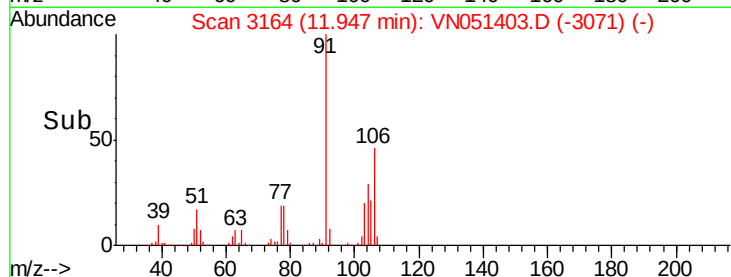
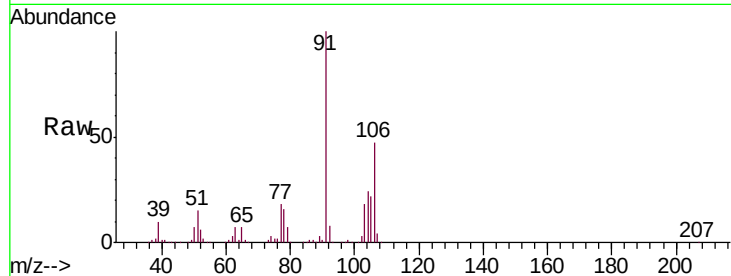
#69
o-Xylene
Concen: 18.749 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	217.6	105.3	315.9

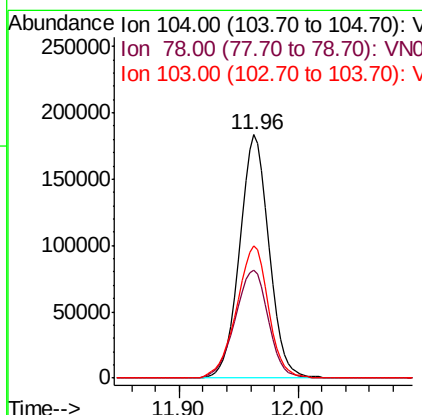
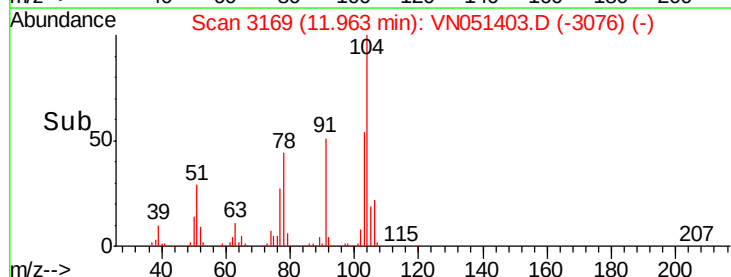
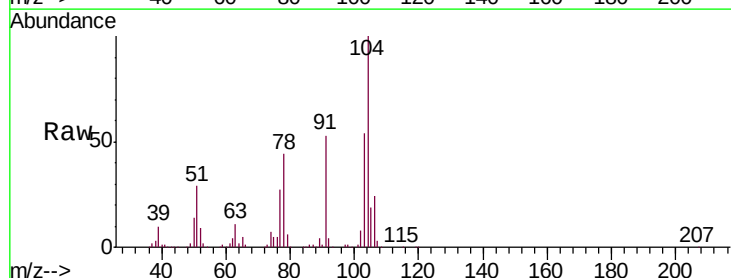
Manual Integrations
APPROVED

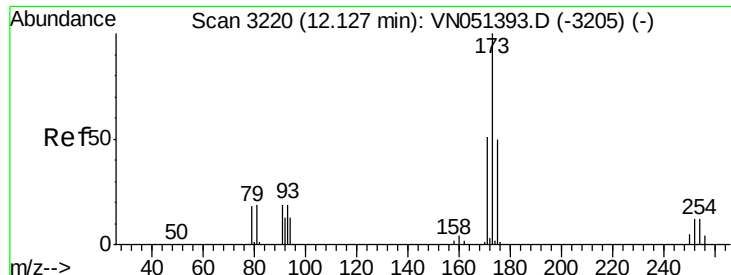
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#70
Styrene
Concen: 18.364 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.4	39.9	59.9
103	59.1	44.6	66.8





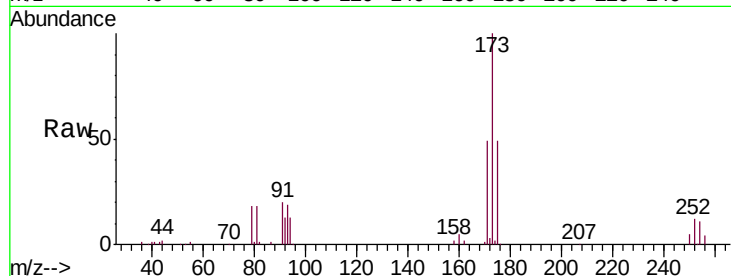
#71
Bromoform
Concen: 18.561 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.8	74.3
254	0.0	0.2	0.2

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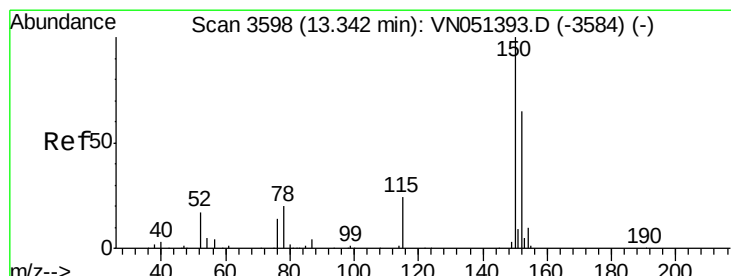
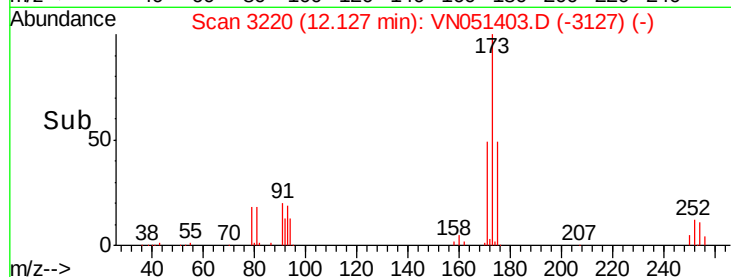
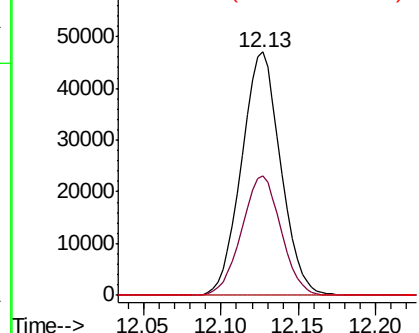


Abundance

Ion 172.70 (172.40 to 173.40): V

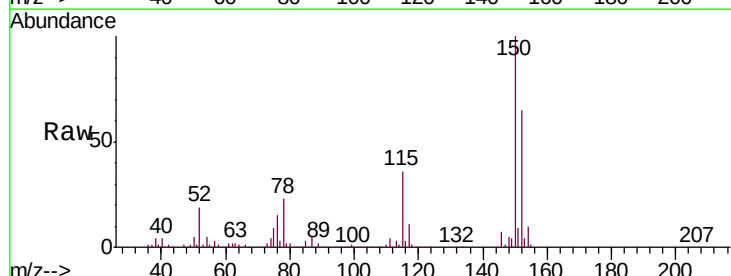
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.3	84.9
150	164.6	0.0	353.6

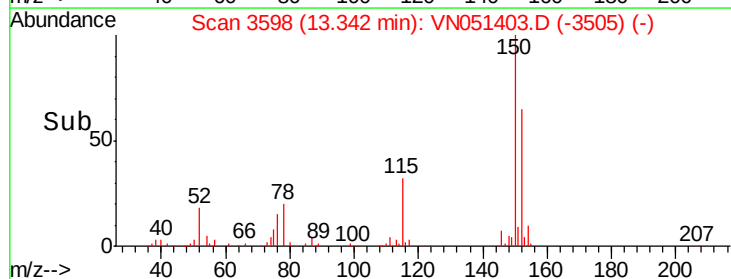
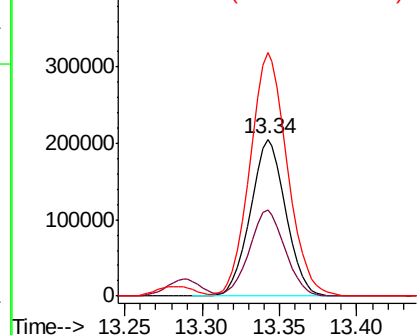


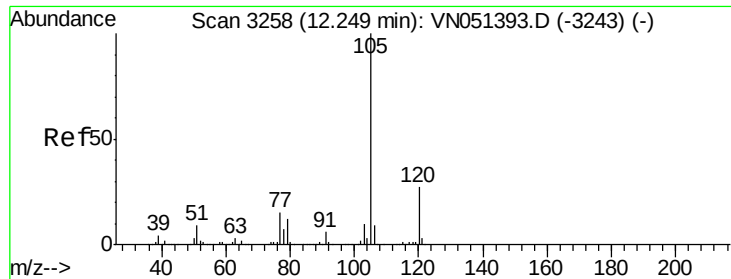
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.636 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

ClientSampled :

VN0923WBS01

Tgt Ion: 105 Resp: 540023

Ion Ratio Lower Upper

105 100

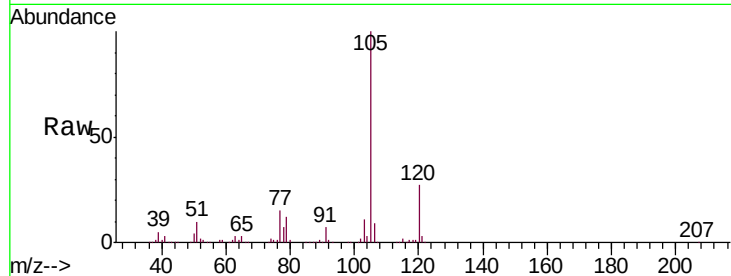
120 26.4 13.3 39.8

Manual Integrations

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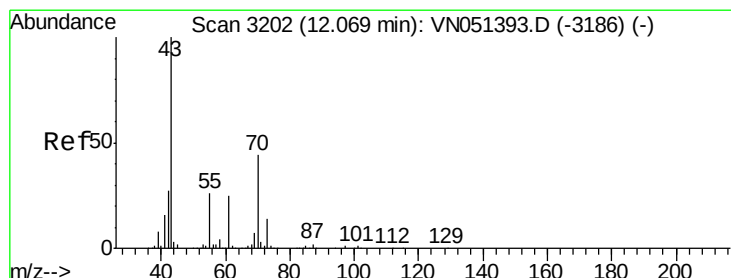
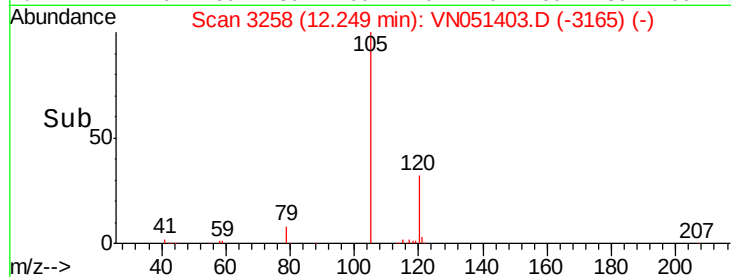
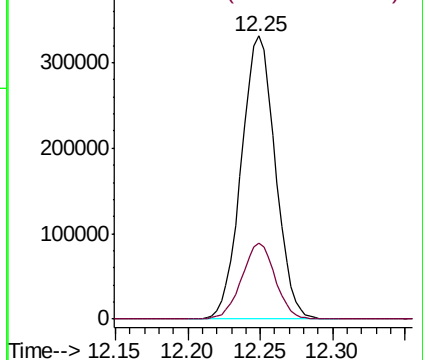
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 18.155 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Tgt Ion: 43 Resp: 125272

Ion Ratio Lower Upper

43 100

70 43.3 35.0 52.4

55 27.8 21.4 32.2

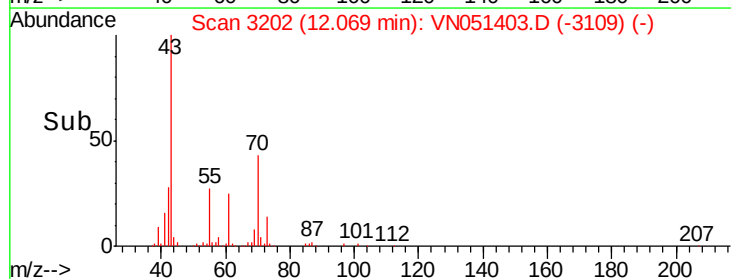
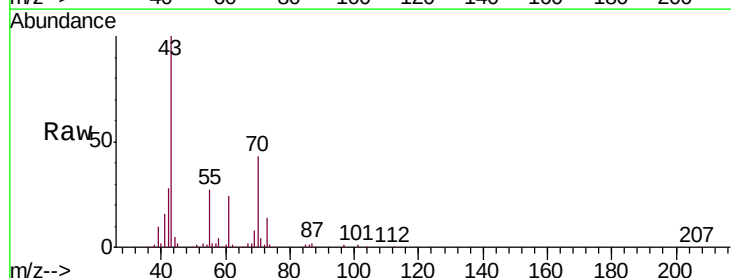
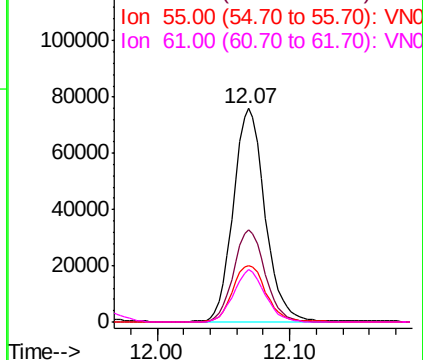
61 24.3 19.8 29.6

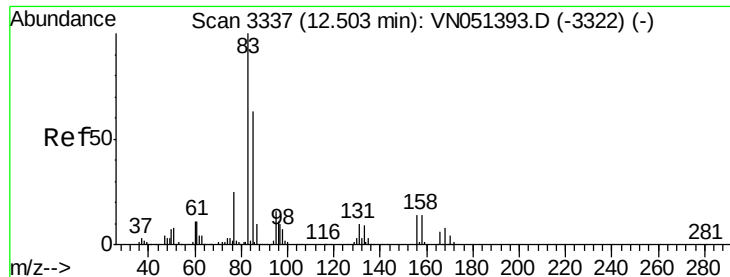
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.940 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

Tgt Ion: 83 Resp: 127877
Ion Ratio Lower Upper

83 100

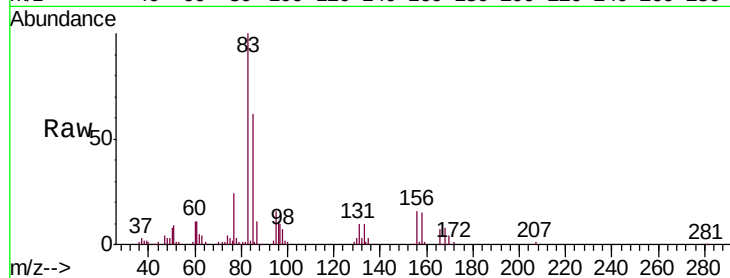
131 10.5 5.3 15.9

85 62.9 31.6 95.0

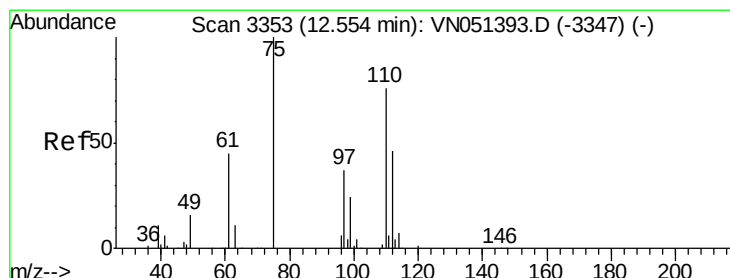
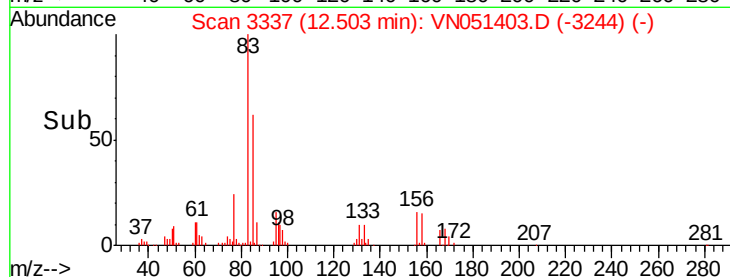
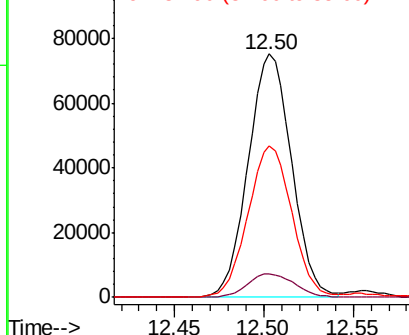
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN051403.D (-3244) (-)
Ion 130.80 (130.50 to 131.50): VN051403.D (-3244) (-)
Ion 84.90 (84.60 to 85.60): VN051403.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 20.105 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

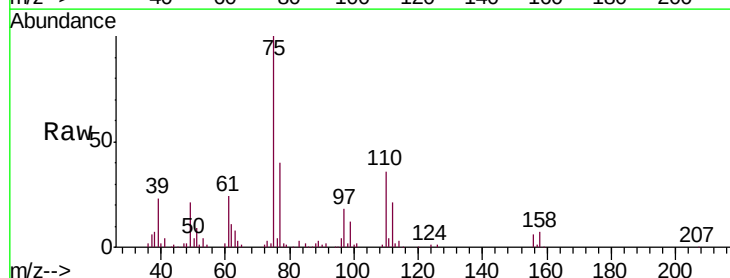
Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

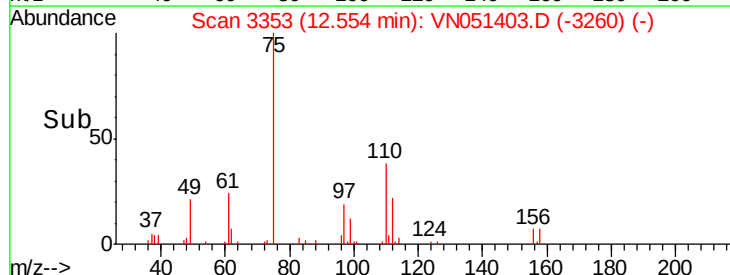
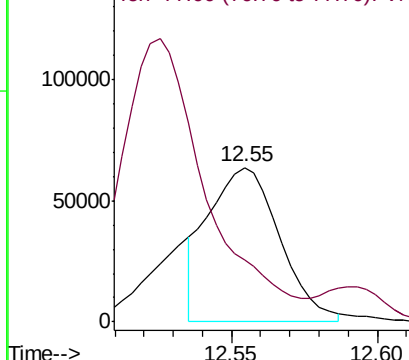
Tgt Ion: 75 Resp: 108786
Ion Ratio Lower Upper

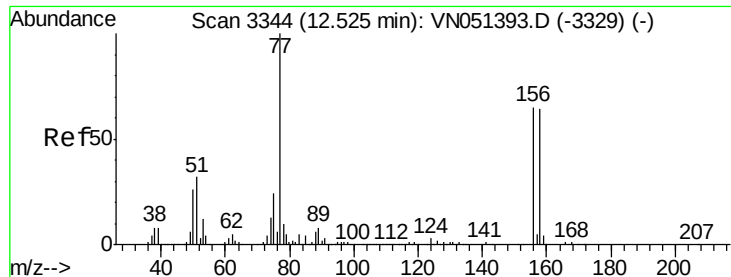
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051403.D (-3260) (-)
Ion 77.00 (76.70 to 77.70): VN051403.D (-3260) (-)





#77

Bromobenzene

Concen: 19.226 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

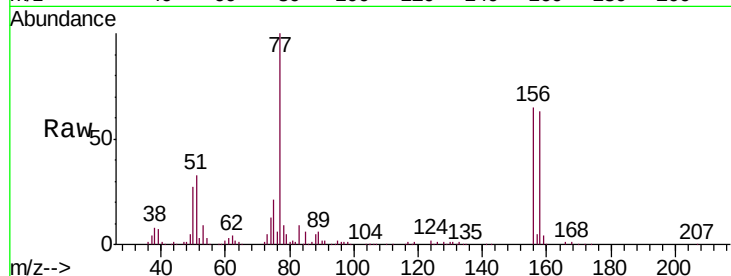
ClientSampleId :

VN0923WBS01

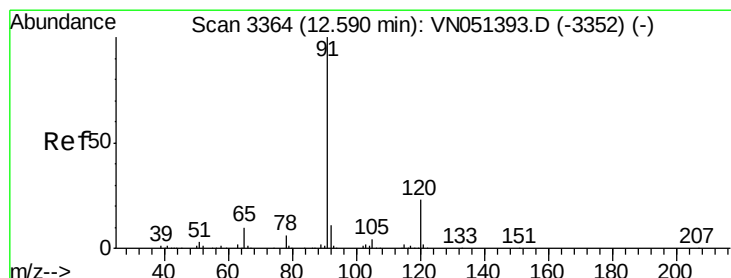
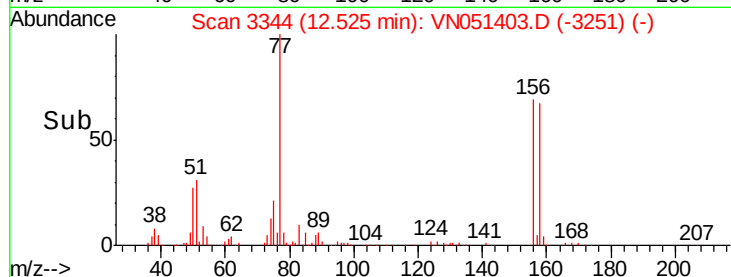
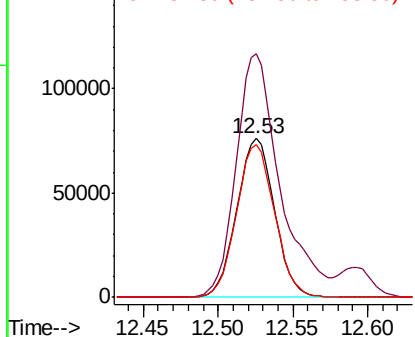
Tgt Ion:	156	Resp:	133854
Ion Ratio	Lower	Upper	
156	100		
77	179.5	89.5	268.4
158	97.1	49.4	148.2

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



#78

n-propylbenzene

Concen: 19.461 ug/l

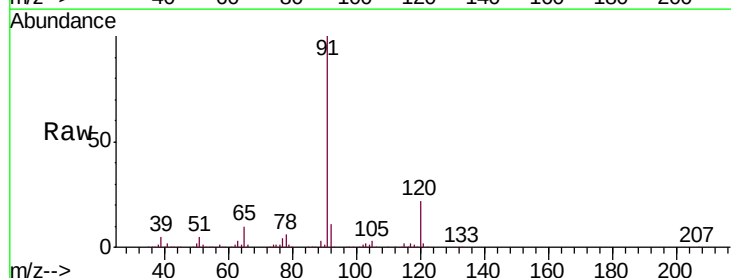
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

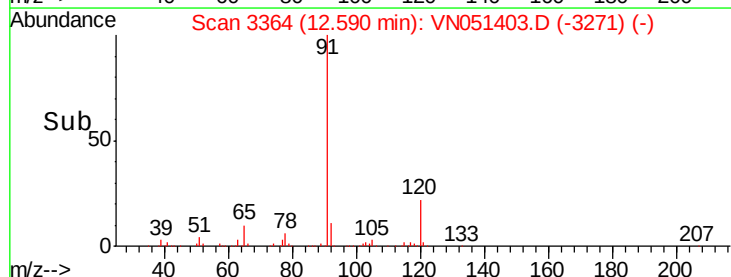
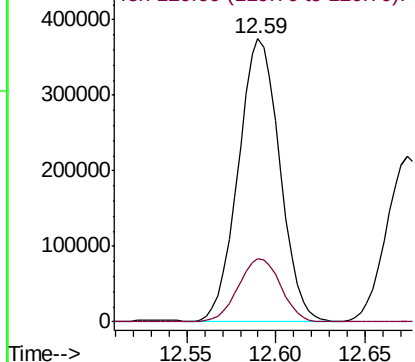
Lab File: VN051403.D

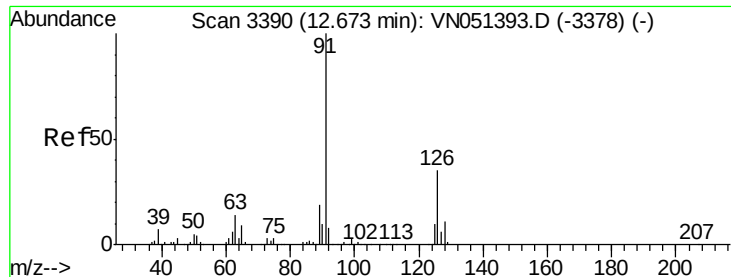
Acq: 23 Sep 2018 11:07

Tgt Ion:	91	Resp:	603209
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.9	35.5



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





#79

2-Chlorotoluene

Concen: 19.626 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

ClientSampled :

VN0923WBS01

Tgt Ion: 91 Resp: 364123

Ion Ratio Lower Upper

91 100

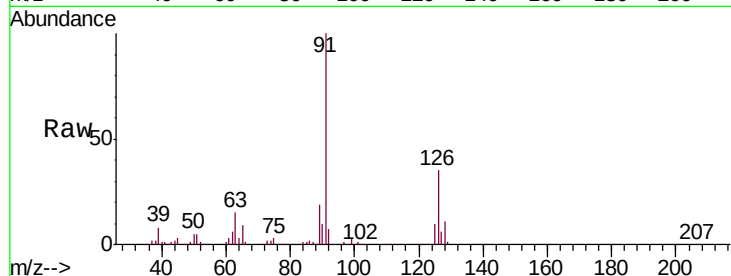
126 35.3 17.6 52.8

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Abundance Ion 91.00 (90.70 to 91.70): VN051393.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051393.D (-3378) (-)

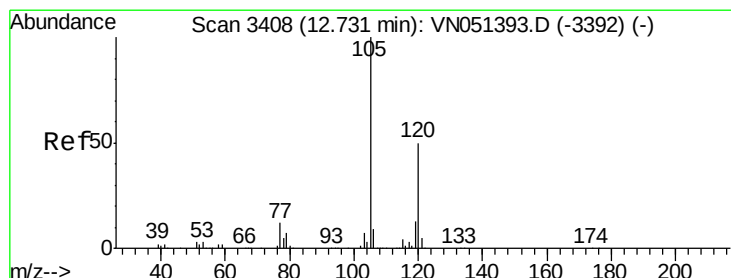
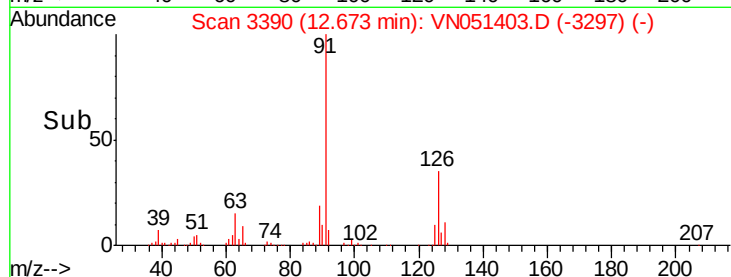
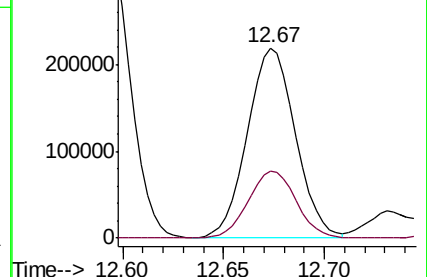
300000

200000

100000

0

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 19.900 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051403.D

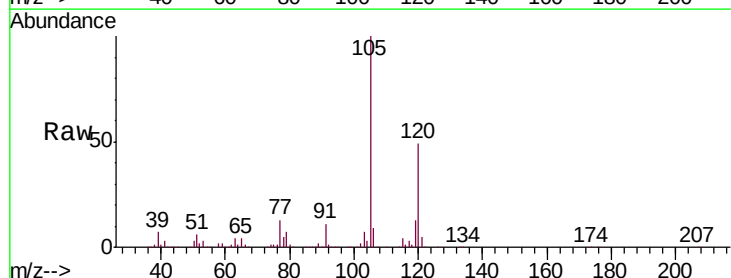
Acq: 23 Sep 2018 11:07

Tgt Ion: 105 Resp: 446267

Ion Ratio Lower Upper

105 100

120 49.7 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN051393.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN051393.D (-3392) (-)

300000

250000

200000

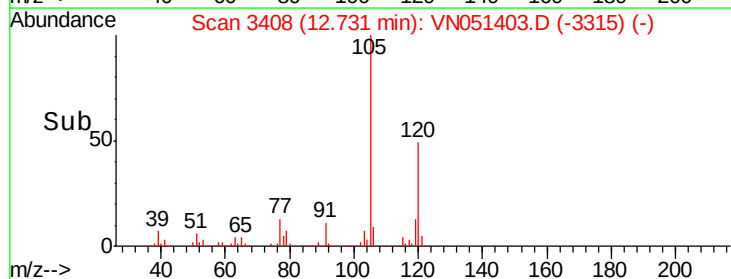
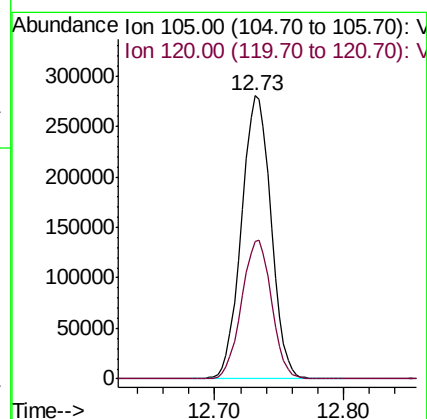
150000

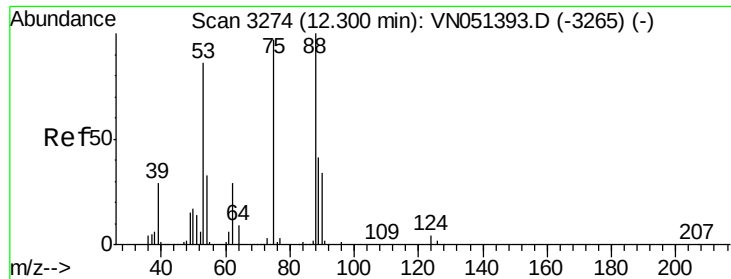
100000

50000

0

12.70 12.73 12.76





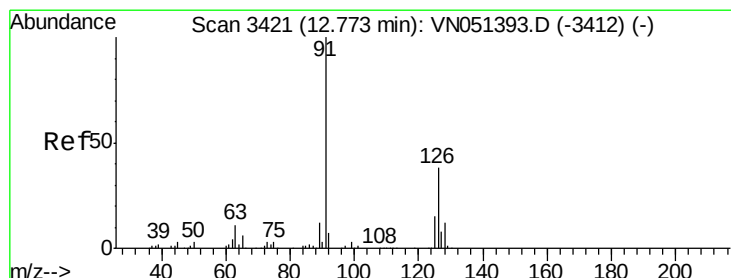
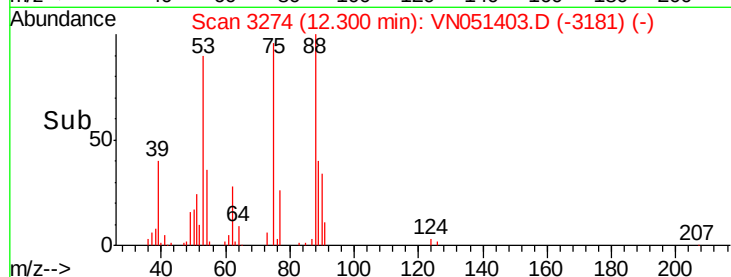
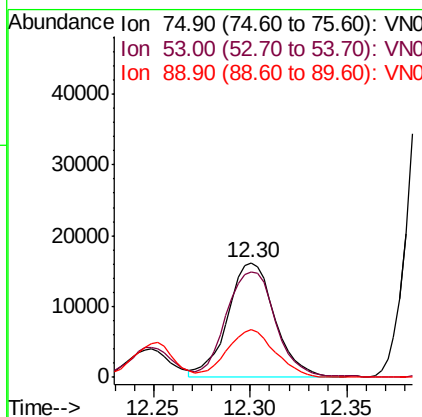
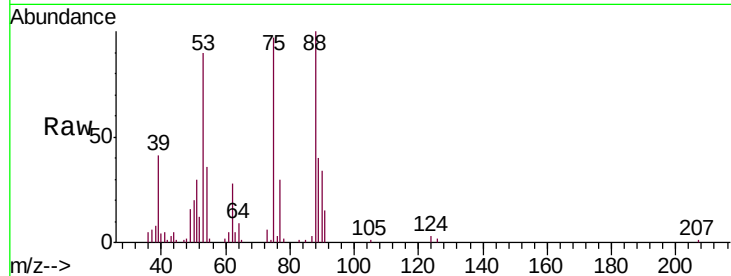
#81
trans-1,4-Dichloro-2-butene
Concen: 15.567 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	96.9	73.9	110.9
89	42.7	36.7	55.1

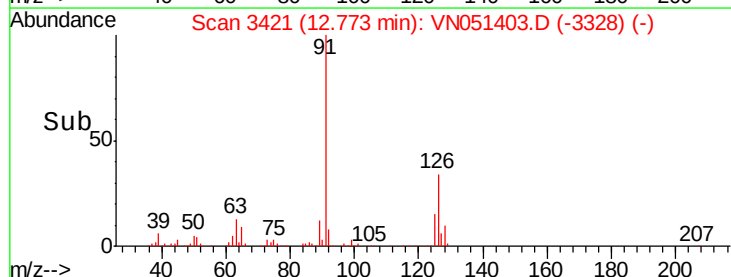
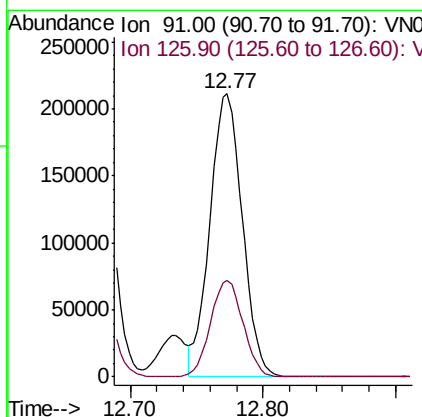
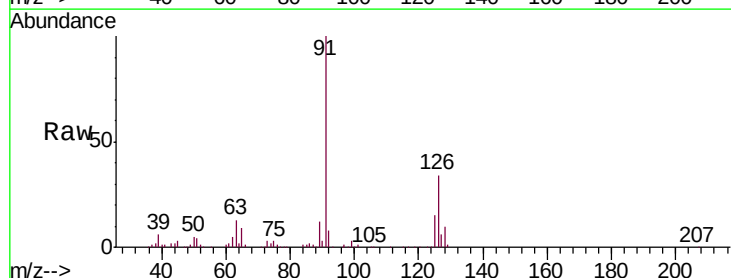
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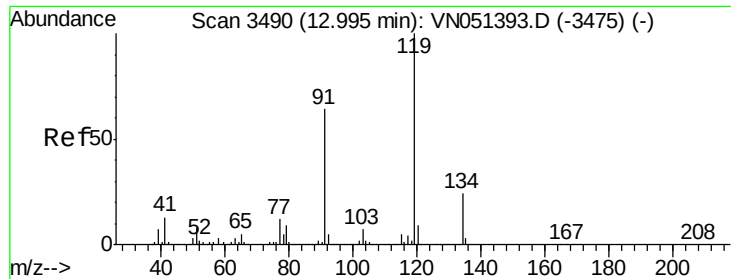
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#82
4-Chlorotoluene
Concen: 19.334 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.5	52.5





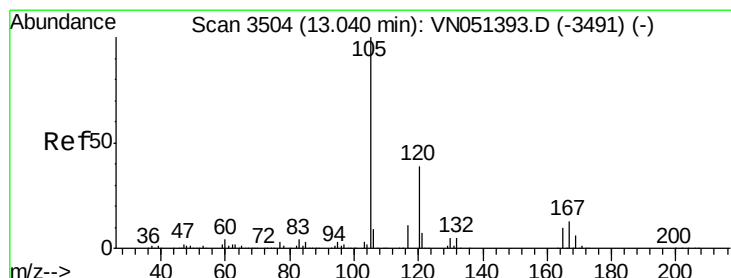
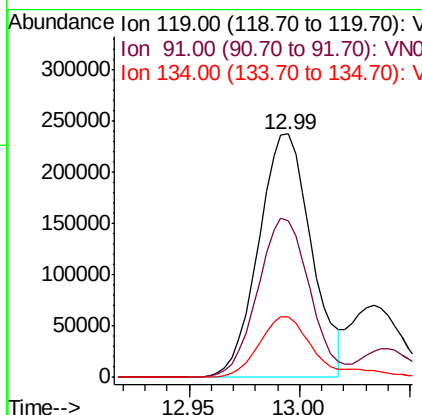
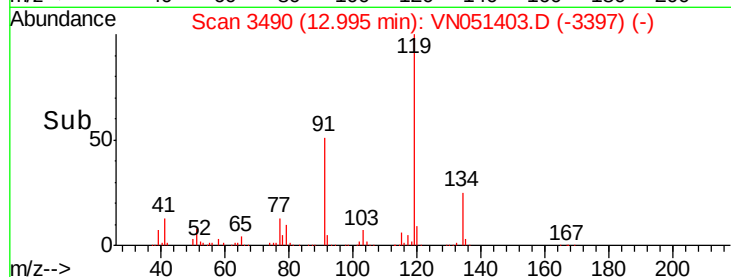
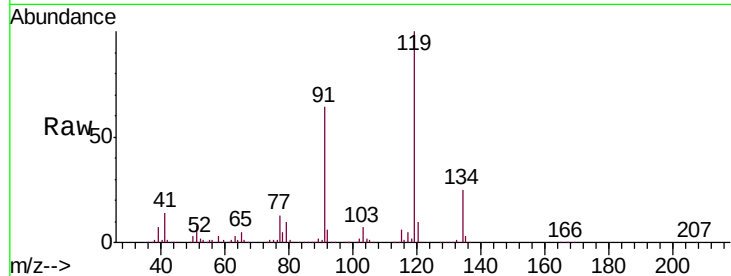
#83
 tert-Butylbenzene
 Concen: 19.707 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	393352		
91	64.5	31.7	95.1	
134	26.7	12.3	36.9	

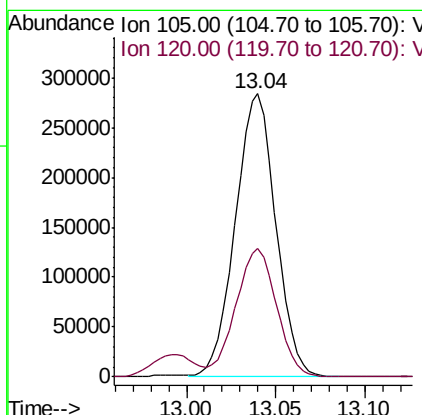
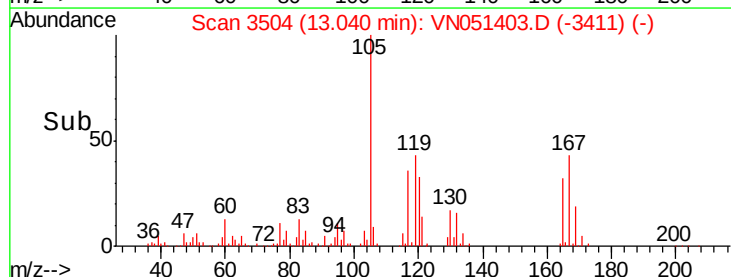
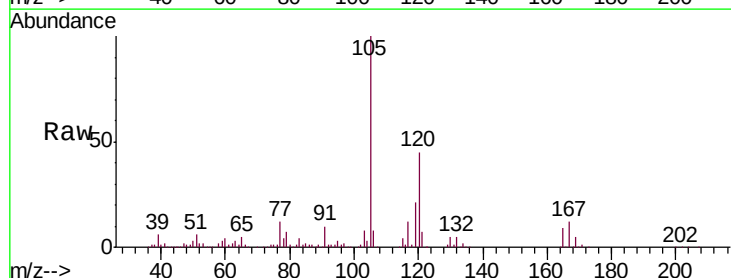
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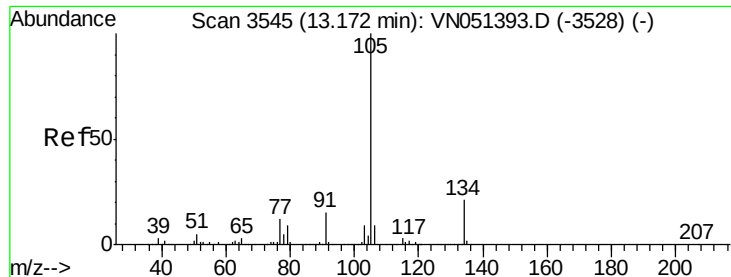
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.802 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	447469		
120	45.9	22.9	68.7	





#85

sec-Butylbenzene

Concen: 19.504 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

ClientSampled :

VN0923WBS01

Tgt Ion:105 Resp: 526670

Ion Ratio Lower Upper

105 100

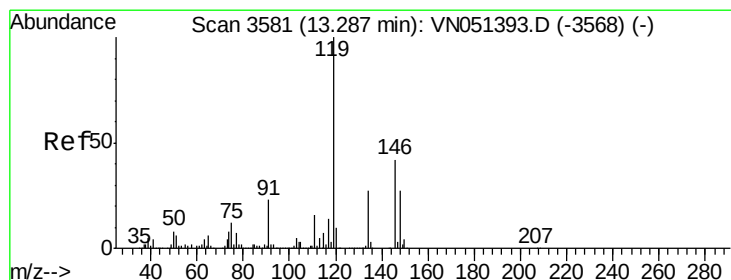
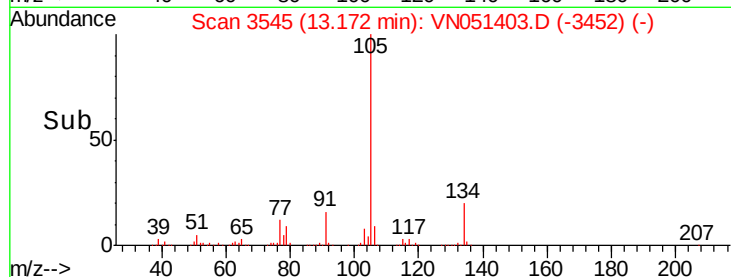
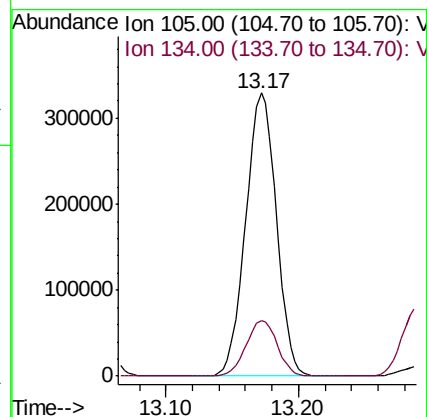
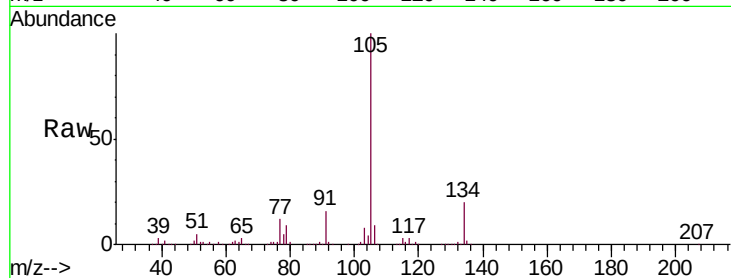
134 20.1 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 18.767 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

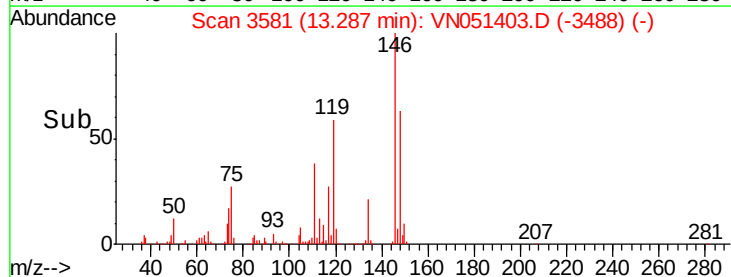
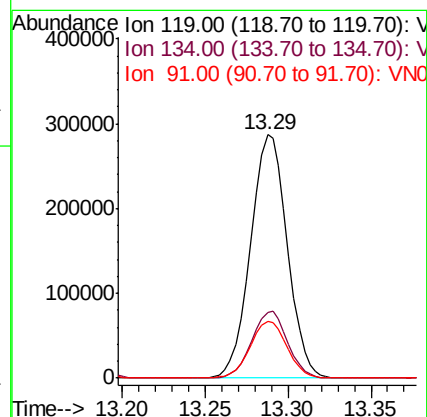
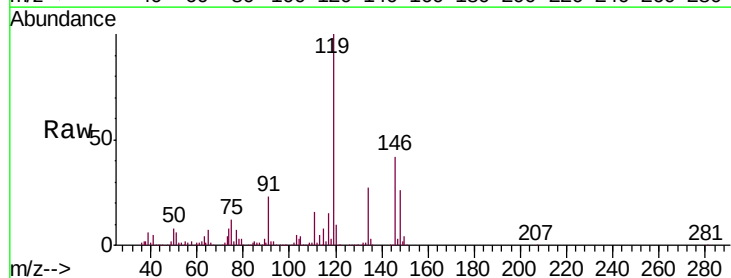
Tgt Ion:119 Resp: 438502

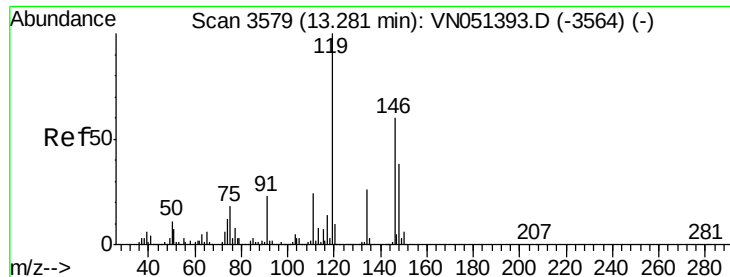
Ion Ratio Lower Upper

119 100

134 27.2 13.3 39.9

91 23.3 11.4 34.2





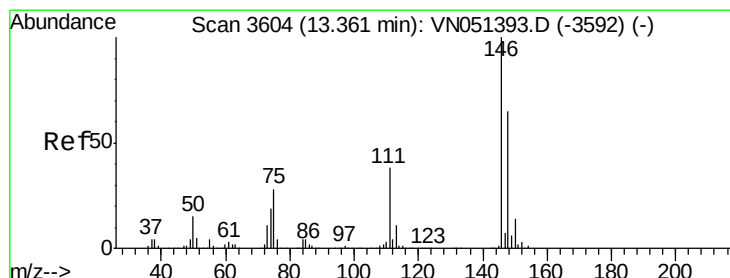
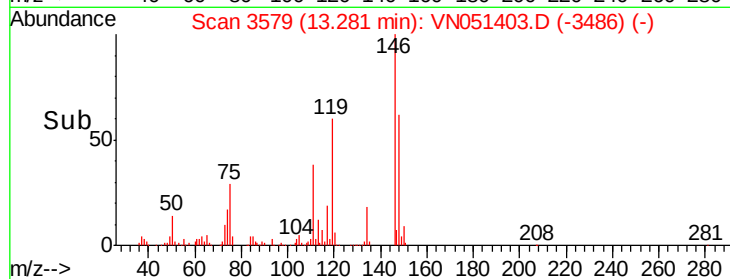
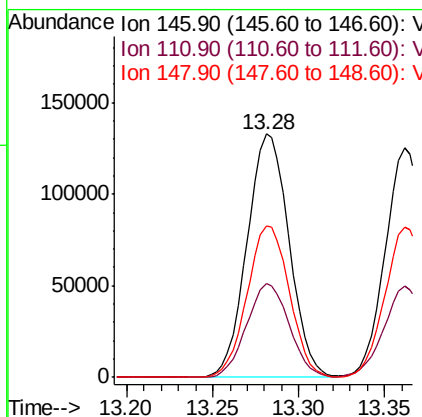
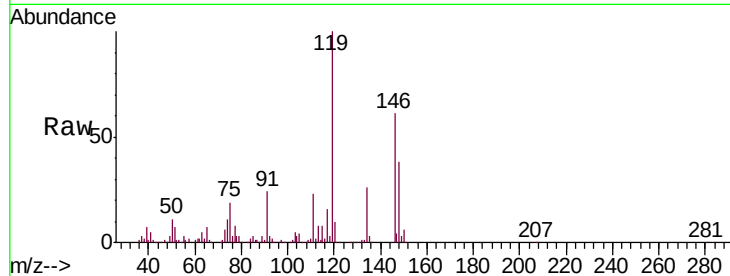
#87
 1,3-Dichlorobenzene
 Concen: 18.712 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	225438		
111	38.9	19.7	59.1	
148	62.4	31.9	95.7	

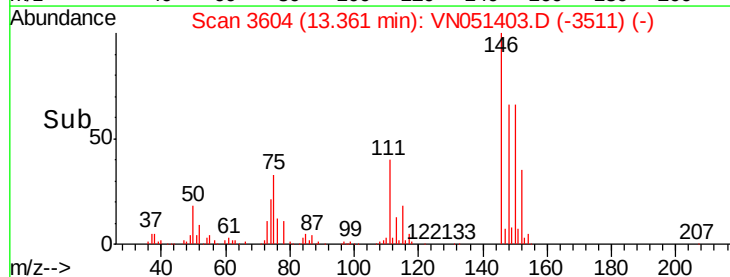
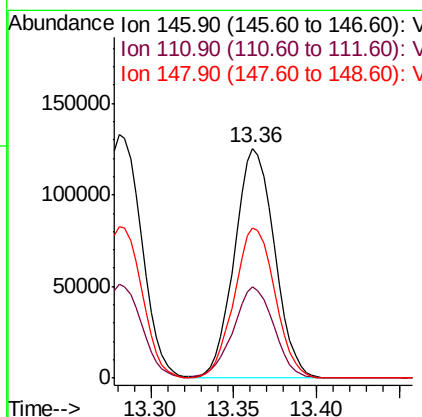
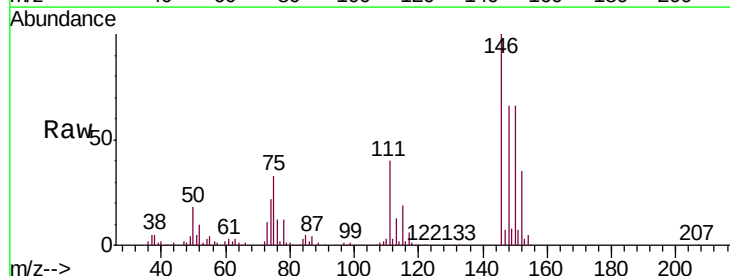
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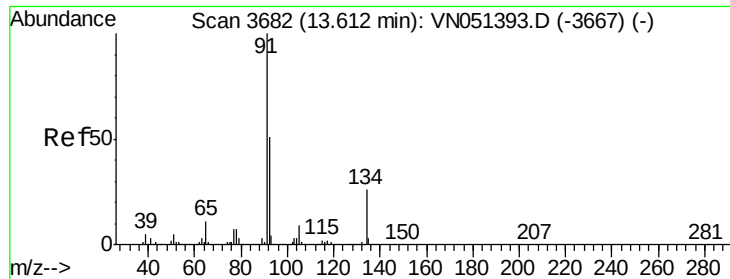
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#88
 1,4-Dichlorobenzene
 Concen: 18.182 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	210767		
111	40.5	19.1	57.1	
148	66.6	32.5	97.5	





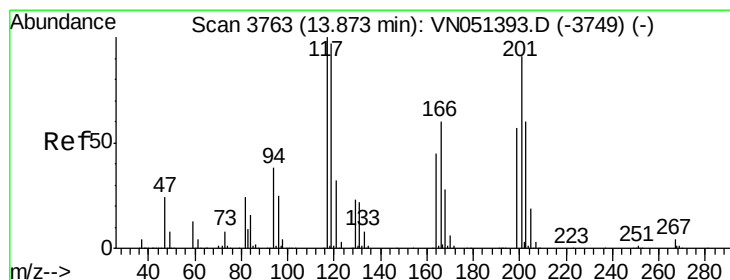
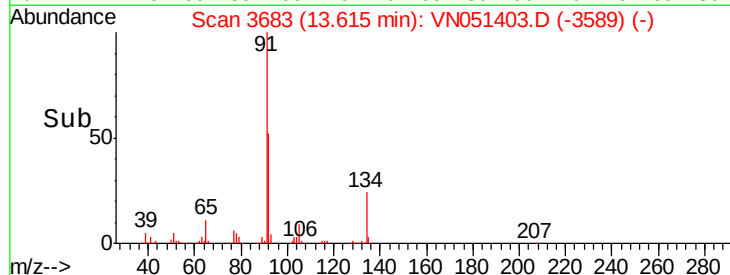
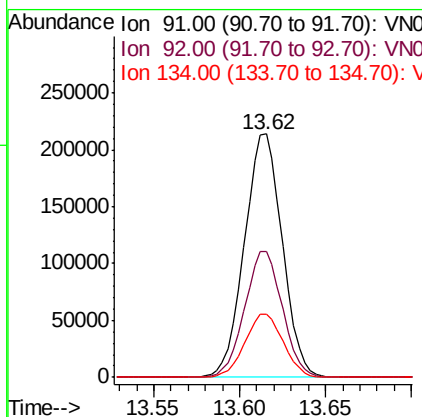
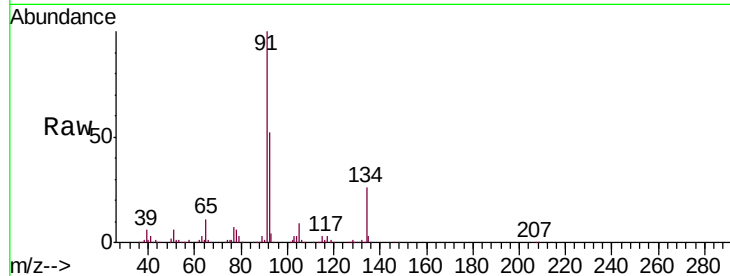
#89
n-Butylbenzene
Concen: 17.037 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.5	76.5
134	26.1	13.3	39.8

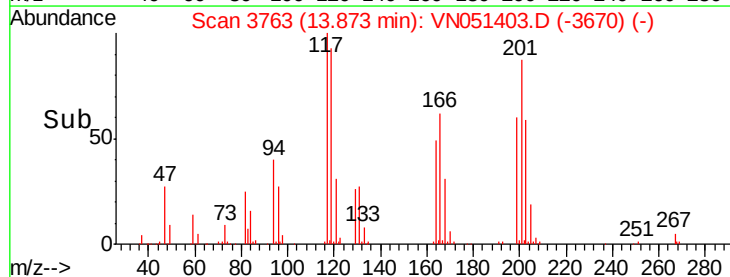
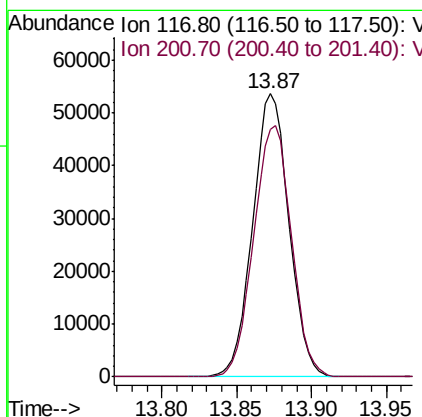
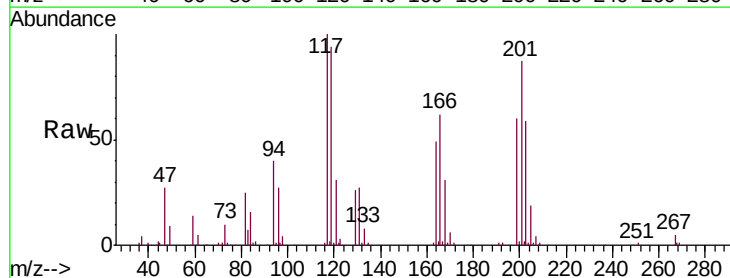
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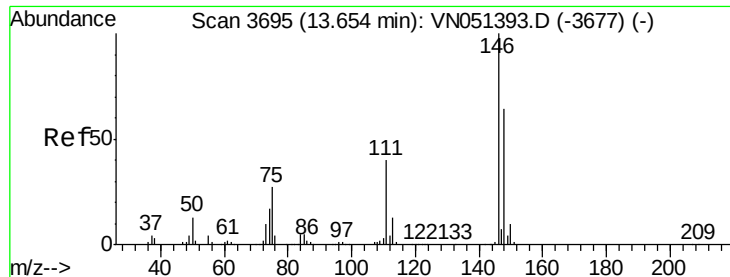
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#90
Hexachloroethane
Concen: 19.402 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051403.D
Acq: 23 Sep 2018 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.3	45.5	136.4





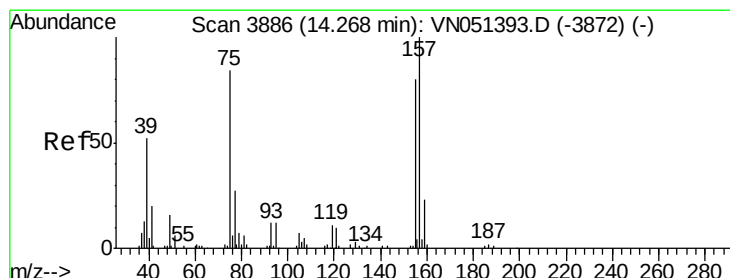
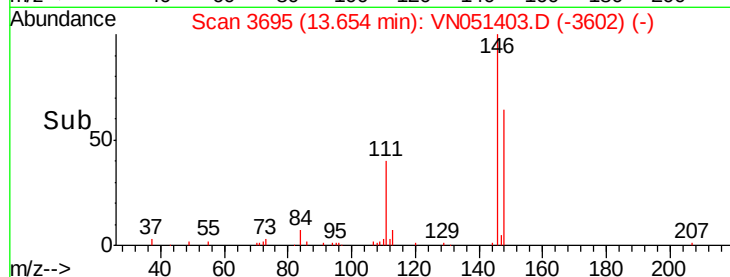
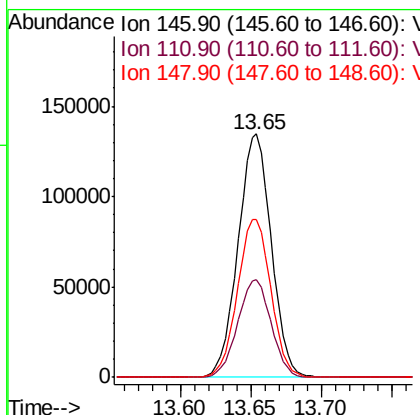
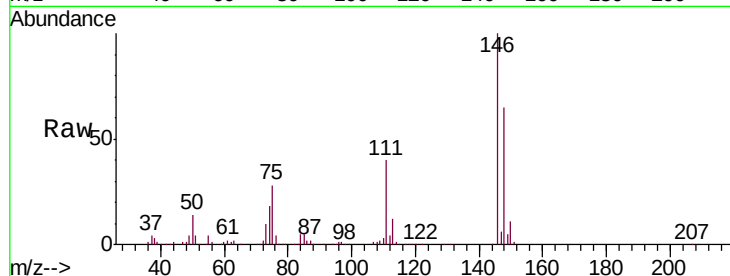
#91
 1,2-Dichlorobenzene
 Concen: 19.010 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	60.0
148	65.1	32.1	96.5

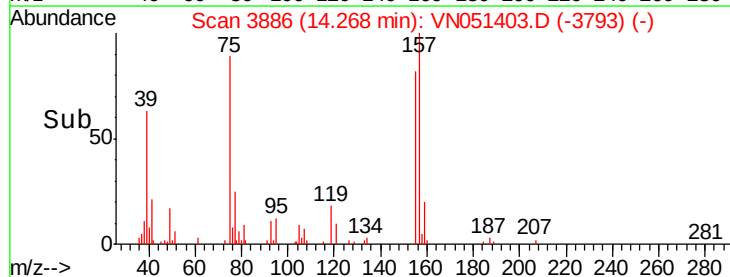
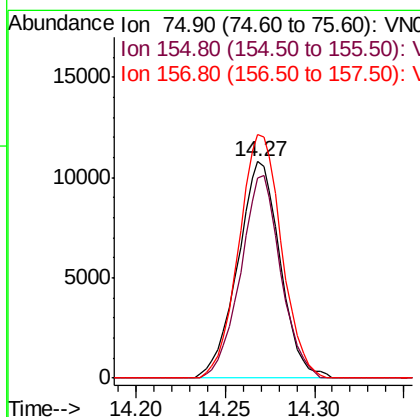
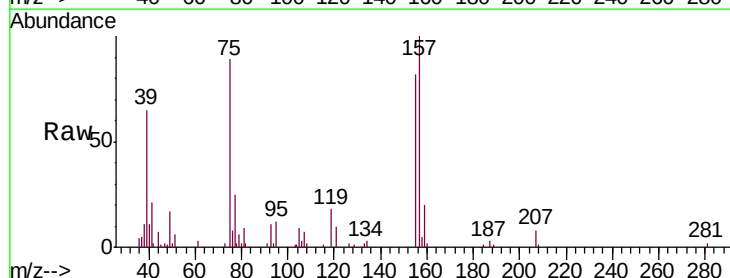
Manual Integrations
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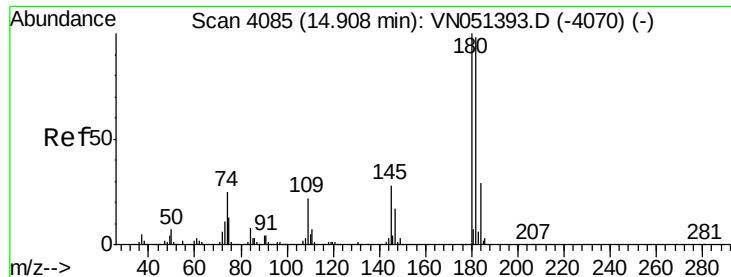
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.531 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.4	46.9	140.6
157	113.2	58.4	175.1





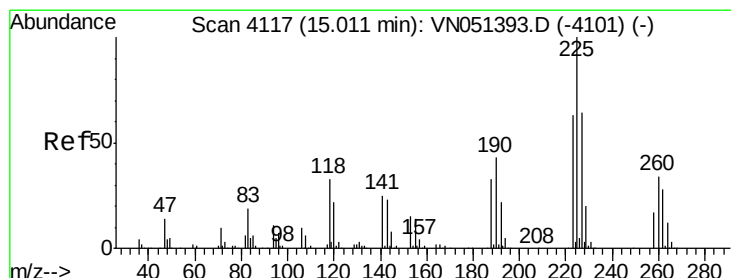
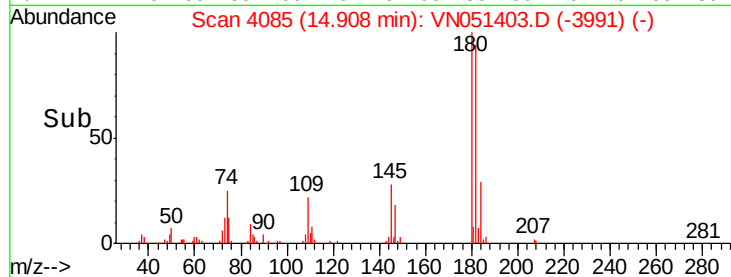
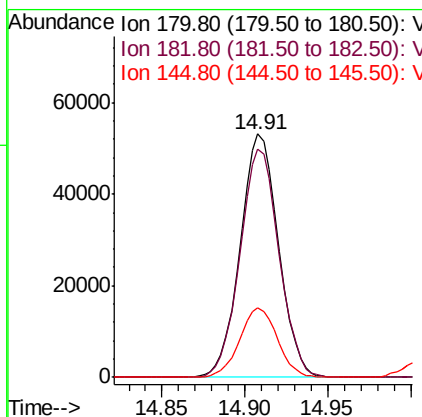
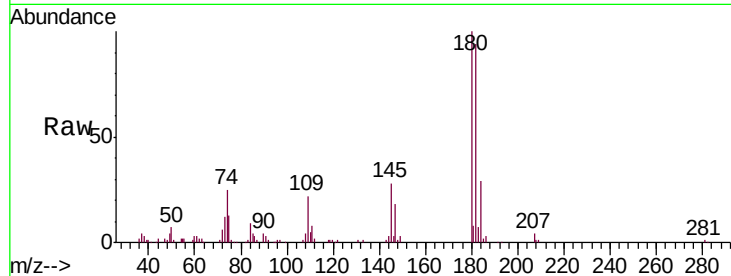
#93
 1,2,4-Trichlorobenzene
 Concen: 17.870 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	85100		
182	95.5	48.5	145.6	
145	28.1	14.1	42.4	

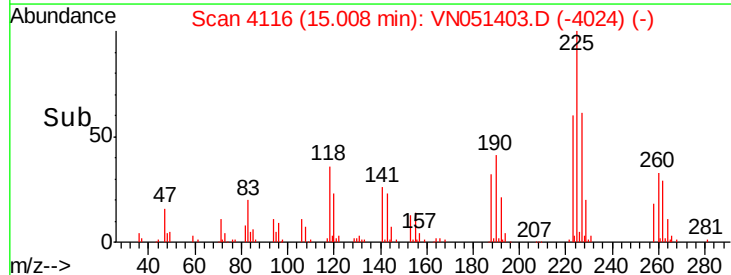
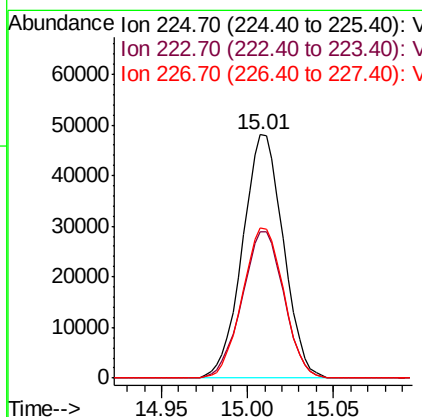
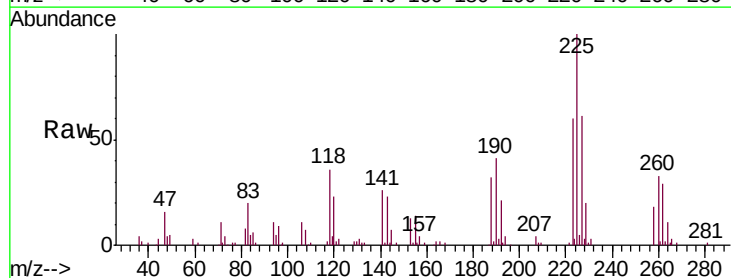
Manual Integrations
 APPROVED

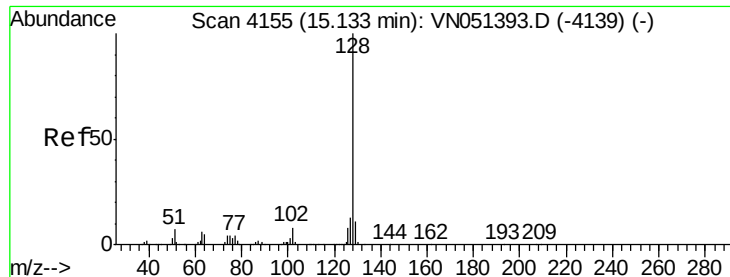
apatel
 9/25/2018 12:10:20 PM



#94
 Hexachlorobutadiene
 Concen: 17.849 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051403.D
 Acq: 23 Sep 2018 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	78944		
223	61.6	31.9	95.9	
227	62.6	32.5	97.5	





#95

Naphthalene

Concen: 18.267 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Instrument :

MSVOA_N

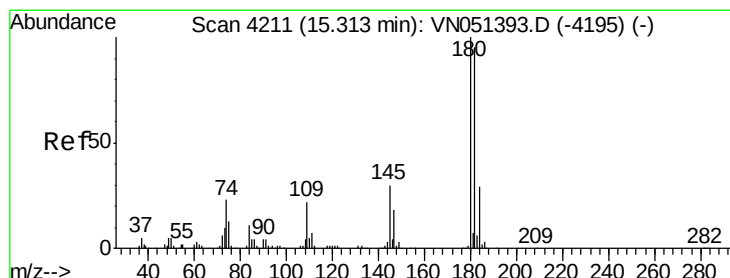
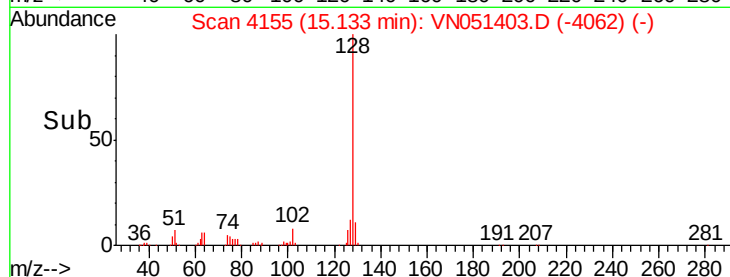
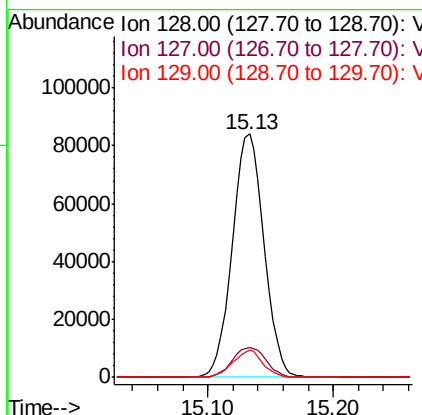
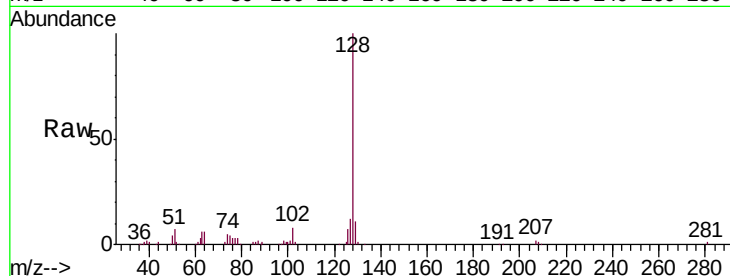
ClientSampled :

VN0923WBS01

Tgt Ion:	128	Resp:	147641
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	10.4	8.6	12.8

Manual Integrations
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9/25/2018 12:10:20 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.304 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051403.D

Acq: 23 Sep 2018 11:07

Tgt Ion:	180	Resp:	91461
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.2	141.6
145	28.9	14.6	43.8

