

Data File : VN051394.D
Acq On : 22 Sep 2018 13:31
Operator : MD\SY
Sample : VSTDIC100
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:20 PM

Quant Time: Sep 24 06:02:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 05:35:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	552186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	768915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	702181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	390240	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	695041	100.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.96%	
35) Dibromofluoromethane	7.59	113	621913	101.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.30%	
50) Toluene-d8	10.09	98	2373557	102.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.02%	
62) 4-Bromofluorobenzene	12.40	95	805063	107.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	502924	97.624	ug/l	99
3) Chloromethane	2.06	50	808896	98.636	ug/l	100
4) Vinyl Chloride	2.18	62	905559	100.048	ug/l	99
5) Bromomethane	2.55	94	528752	97.424	ug/l	99
6) Chloroethane	2.70	64	539986	95.742	ug/l	100
7) Trichlorofluoromethane	3.01	101	1129496	95.270	ug/l	98
8) Diethyl Ether	3.41	74	361812	100.212	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	615318	91.962	ug/l	98
10) Methyl Iodide	3.95	142	889588	99.807	ug/l	99
11) Tert butyl alcohol	4.79	59	193715	496.842	ug/l #	92
12) 1,1-Dichloroethene	3.73	96	565913	92.113	ug/l	98
13) Acrolein	3.61	56	202252	521.734	ug/l	99
14) Allyl chloride	4.32	41	1024878	99.428	ug/l	99
15) Acrylonitrile	4.99	53	1046912	492.981	ug/l	99
16) Acetone	3.82	43	740902	506.692	ug/l	98
17) Carbon Disulfide	4.05	76	1705281	94.477	ug/l	100
18) Methyl Acetate	4.33	43	510946	96.989	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1619425	102.219	ug/l	100
20) Methylene Chloride	4.55	84	648204	94.700	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	614727	97.810	ug/l	98
22) Diisopropyl ether	5.95	45	2061693	103.474	ug/l	97
23) Vinyl Acetate	5.90	43	6966438	532.561	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1187003	99.846	ug/l	99
25) 2-Butanone	6.84	43	1195532	504.964	ug/l	99
26) 2,2-Dichloropropane	6.83	77	943137	101.632	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	701832	101.772	ug/l	98
28) Bromochloromethane	7.20	49	547162	99.666	ug/l	99
29) Tetrahydrofuran	7.21	42	793011	528.551	ug/l	100
30) Chloroform	7.37	83	1177724	99.979	ug/l	99
31) Cyclohexane	7.65	56	1094763	100.511	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	1031197	102.398	ug/l	99
36) 1,1-Dichloropropene	7.79	75	929724	104.414	ug/l	99
37) Ethyl Acetate	6.93	43	533838	104.273	ug/l	99
38) Carbon Tetrachloride	7.77	117	955325	102.576	ug/l	99

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Quant Time: Sep 24 06:02:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 05:35:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1116283	107.242	ug/l	100
40) Benzene	8.04	78	2687223	102.783	ug/l	99
41) Methacrylonitrile	7.17	41	269177	95.036	ug/l	95
42) 1,2-Dichloroethane	8.13	62	858720	102.576	ug/l	100
43) Isopropyl Acetate	8.17	43	986522	106.564	ug/l	100
44) Trichloroethene	8.84	130	710332	102.291	ug/l	100
45) 1,2-Dichloropropane	9.12	63	725190	102.040	ug/l	99
46) Dibromomethane	9.21	93	415221	103.403	ug/l	99
47) Bromodichloromethane	9.40	83	915919	103.070	ug/l	100
48) Methyl methacrylate	9.20	41	500222	108.379	ug/l	100
49) 1,4-Dioxane	9.20	88	120406	2128.606	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2645043	519.520	ug/l	99
52) Toluene	10.16	92	1685917	103.762	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	969647	108.081	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1105918	106.297	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	588687	102.519	ug/l	99
56) Ethyl methacrylate	10.43	69	785565	111.893	ug/l	100
57) 1,3-Dichloropropane	10.71	76	1022245	103.863	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	2002726	504.536	ug/l	100
59) 2-Hexanone	10.75	43	1772952	537.174	ug/l	100
60) Dibromochloromethane	10.90	129	713999	105.385	ug/l	100
61) 1,2-Dibromoethane	11.01	107	585444	105.025	ug/l	100
64) Tetrachloroethene	10.63	164	640501	100.508	ug/l	99
65) Chlorobenzene	11.43	112	1847811	102.567	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	702637	102.369	ug/l	99
67) Ethyl Benzene	11.51	91	3236538	106.600	ug/l	100
68) m/p-Xylenes	11.62	106	2466556	210.028	ug/l	99
69) o-Xylene	11.95	106	1204895	106.723	ug/l	99
70) Styrene	11.96	104	1960852	109.606	ug/l	99
71) Bromoform	12.13	173	497666	106.855	ug/l	99
73) Isopropylbenzene	12.25	105	3230981	98.128	ug/l	100
74) N-amyl acetate	12.07	43	858350	103.900	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	732109	95.351	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	592728m	94.158	ug/l	
77) Bromobenzene	12.53	156	797886	95.725	ug/l	99
78) n-propylbenzene	12.59	91	3714604	100.101	ug/l	100
79) 2-Chlorotoluene	12.68	91	2159296	97.211	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2665729	99.289	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	219746	104.304	ug/l	99
82) 4-Chlorotoluene	12.77	91	2194124	98.967	ug/l	99
83) tert-Butylbenzene	12.99	119	2347119	98.218	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2727915	100.832	ug/l	100
85) sec-Butylbenzene	13.17	105	3232893	100.000	ug/l	99
86) p-Isopropyltoluene	13.29	119	2850908	101.914	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1432363	99.303	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1397883	100.721	ug/l	100
89) n-Butylbenzene	13.61	91	2446755	106.366	ug/l	99
90) Hexachloroethane	13.87	117	527877	94.709	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1372785	98.089	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	108315	98.851	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
Quantitation Report (QT Reviewed)

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VSTDICC100

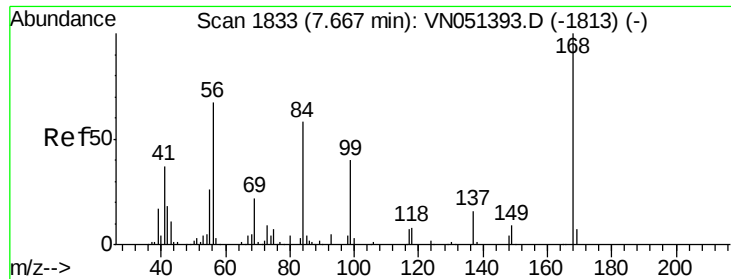
Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:20 PM

Quant Time: Sep 24 06:02:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 05:35:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	789060	98.048	ug/l	99
94) Hexachlorobutadiene	15.01	225	501097	94.632	ug/l	98
95) Naphthalene	15.13	128	1534718	96.801	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	744811	110.896	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 168 Resp: 552186

Ion Ratio Lower Upper

168 100

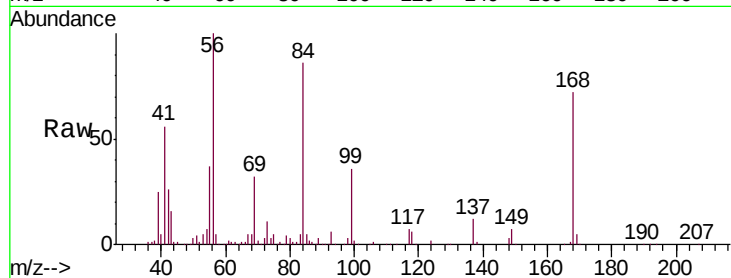
99 50.6 40.2 60.2

Manual Integrations

APPROVED

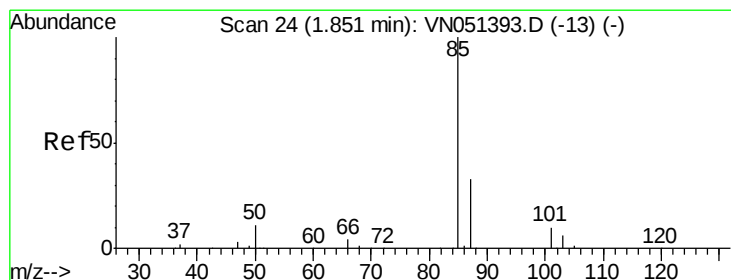
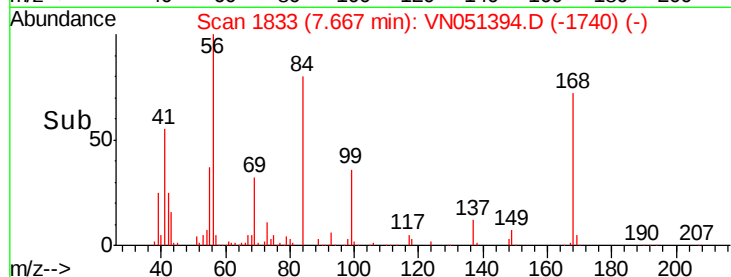
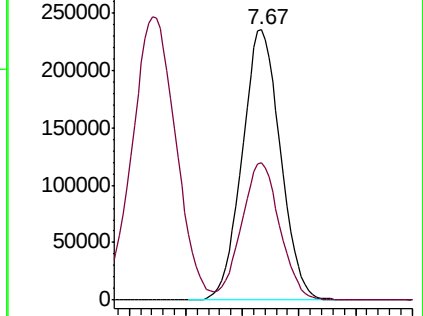
MMDadoda

9/24/2018 2:15:20 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 97.624 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051394.D

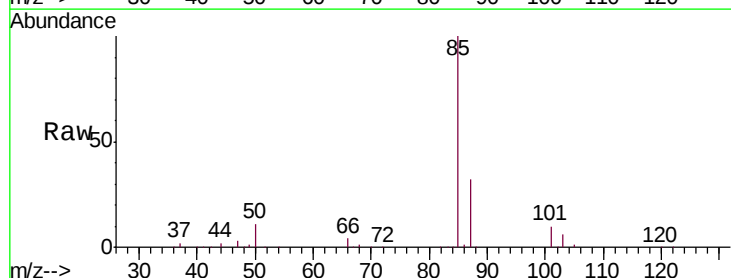
Acq: 22 Sep 2018 13:31

Tgt Ion: 85 Resp: 502924

Ion Ratio Lower Upper

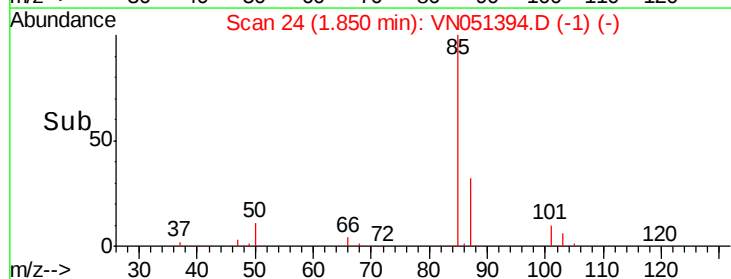
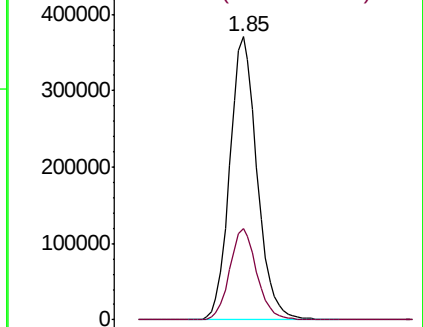
85 100

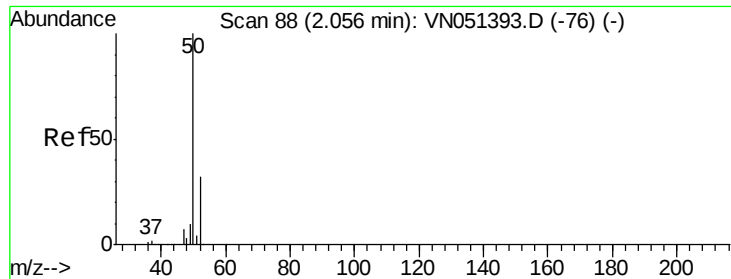
87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 98.636 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 50 Resp: 808896

Ion Ratio Lower Upper

50 100

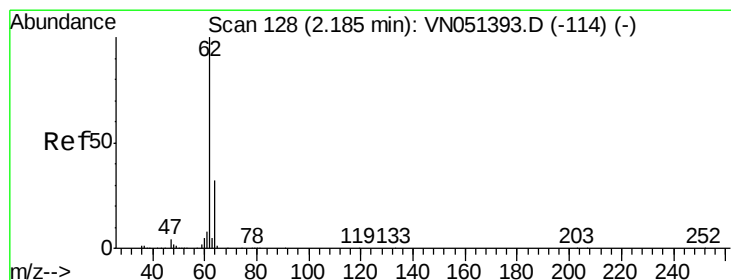
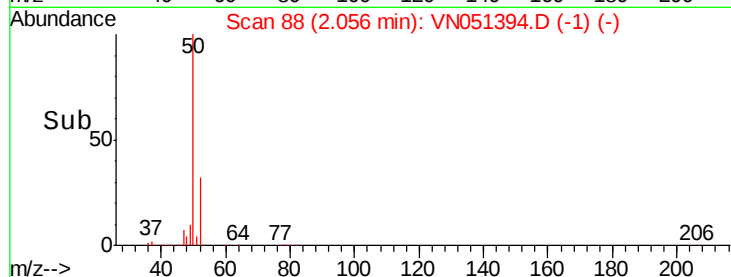
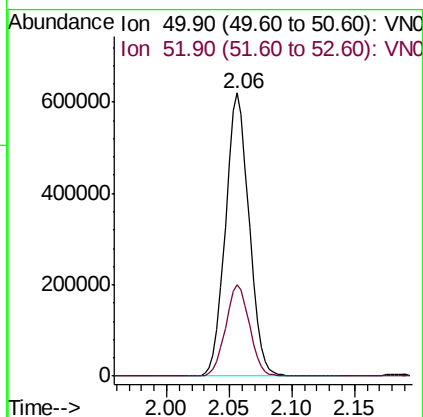
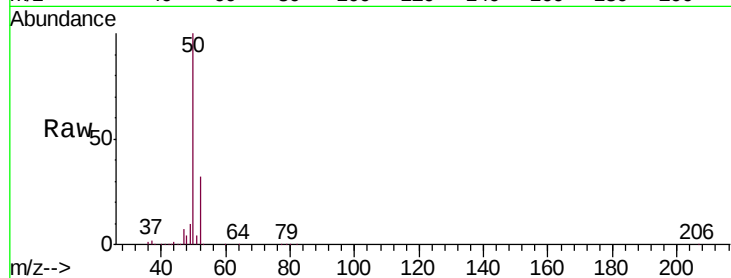
52 32.4 25.7 38.5

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 100.048 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051394.D

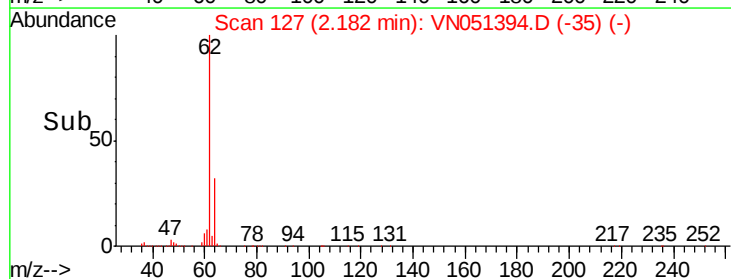
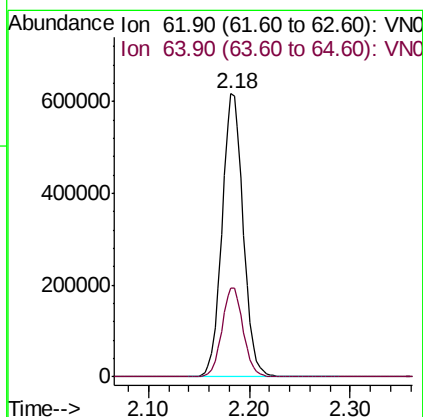
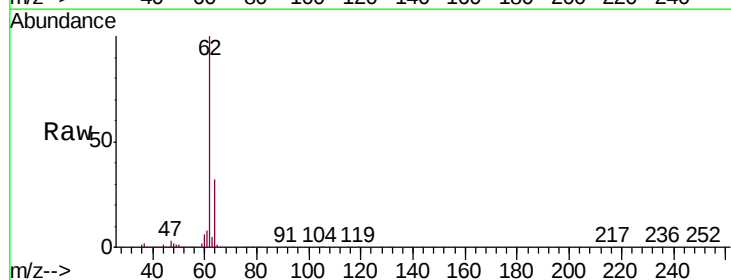
Acq: 22 Sep 2018 13:31

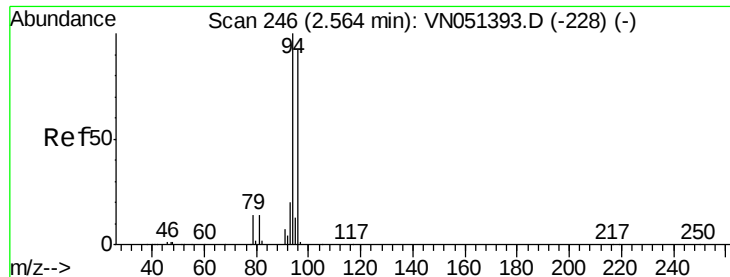
Tgt Ion: 62 Resp: 905559

Ion Ratio Lower Upper

62 100

64 31.5 25.8 38.8





#5

Bromomethane

Concen: 97.424 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 94 Resp: 528752

Ion Ratio Lower Upper

94 100

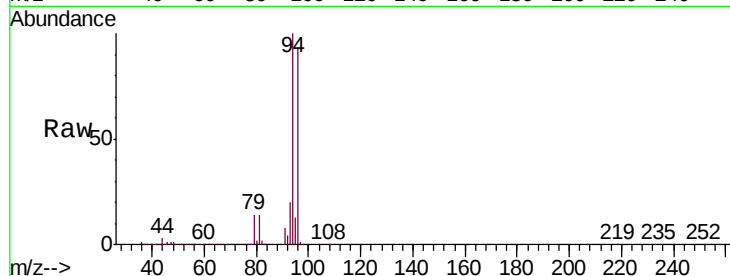
96 93.3 73.6 110.4

Manual Integrations

APPROVED

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.55

250000

200000

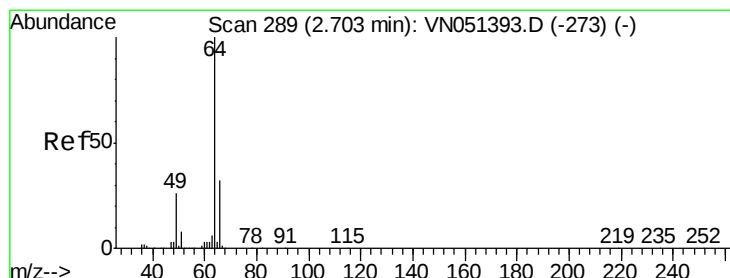
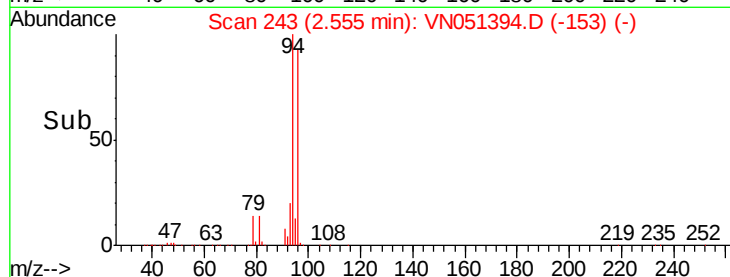
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 95.742 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN051394.D

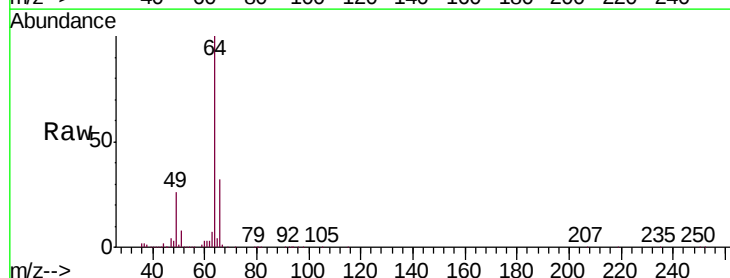
Acq: 22 Sep 2018 13:31

Tgt Ion: 64 Resp: 539986

Ion Ratio Lower Upper

64 100

66 32.2 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.70

300000

250000

200000

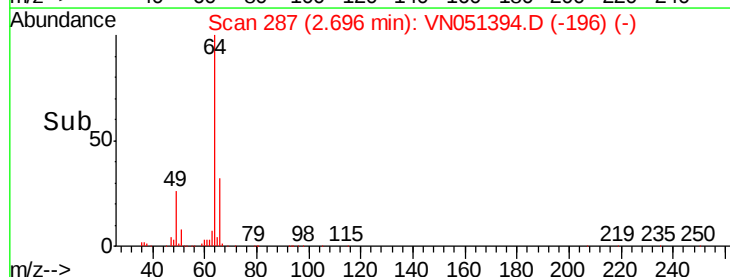
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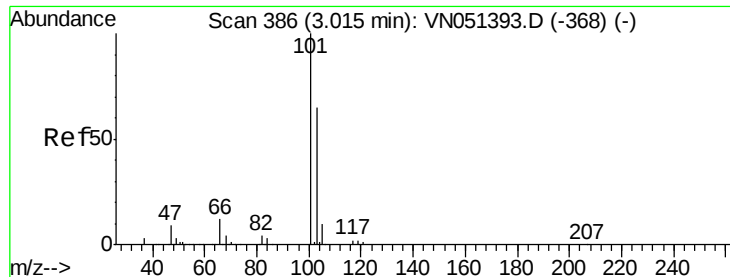
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50000

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Time-->





#7

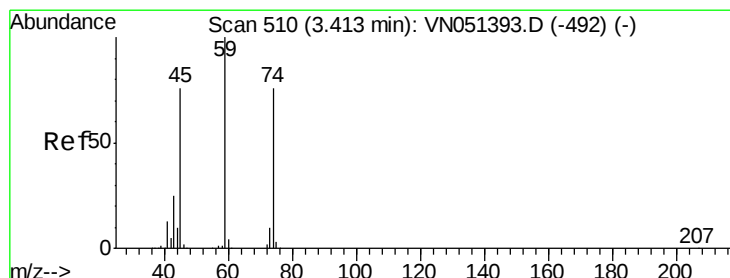
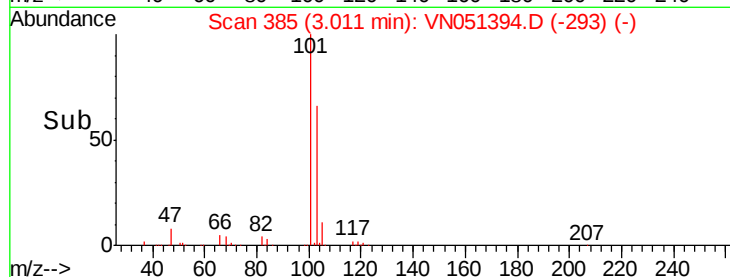
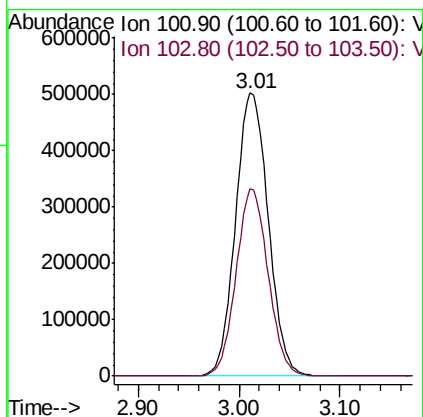
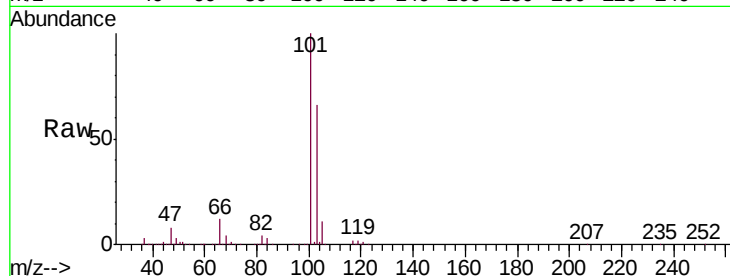
Trichlorofluoromethane
 Concen: 95.270 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 101 Resp: 1129496
 Ion Ratio Lower Upper
 101 100
 103 66.1 51.8 77.8

Manual Integrations
 APPROVED

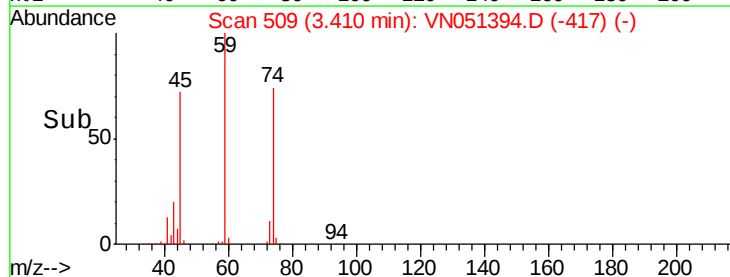
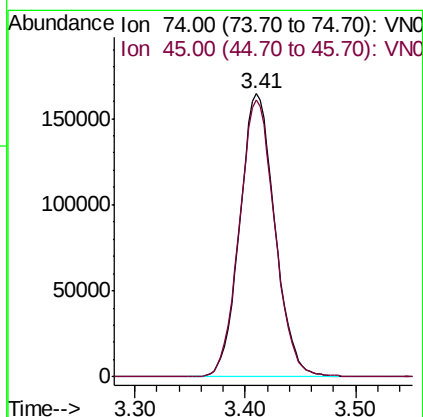
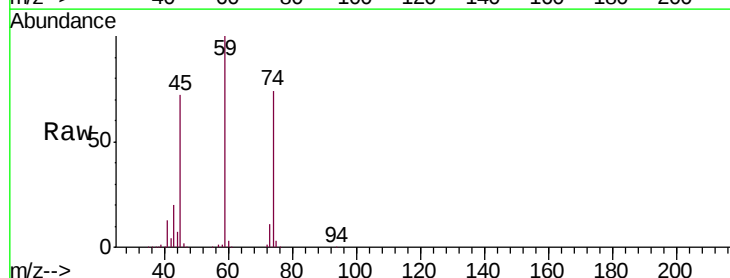
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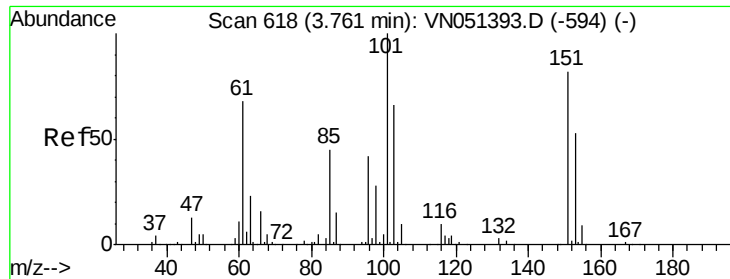


#8

Diethyl Ether
 Concen: 100.212 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Tgt Ion: 74 Resp: 361812
 Ion Ratio Lower Upper
 74 100
 45 99.1 50.2 150.7





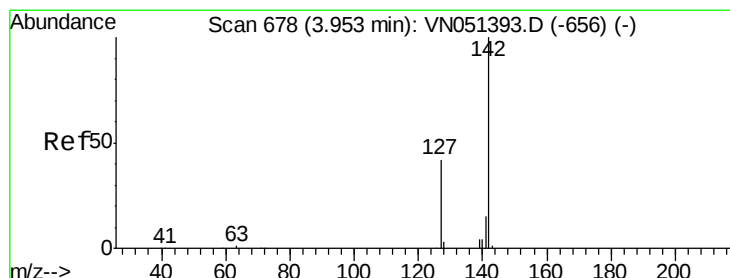
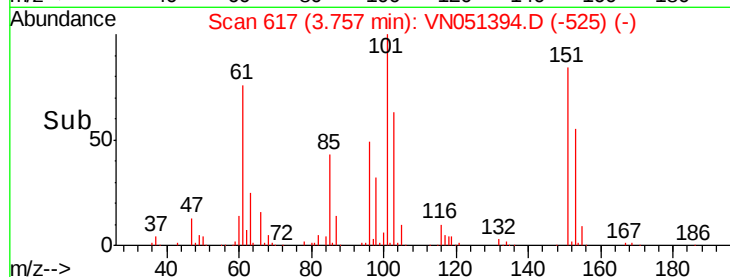
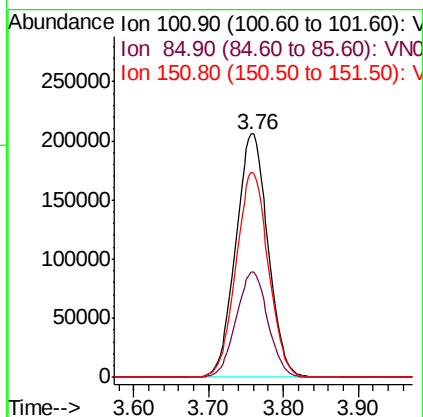
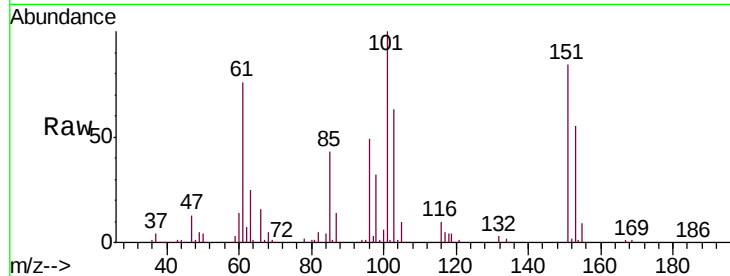
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 91.962 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	615318		
85	42.6	33.9	50.9	
151	84.6	65.2	97.8	

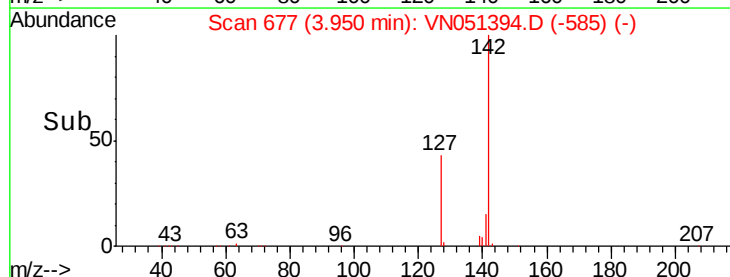
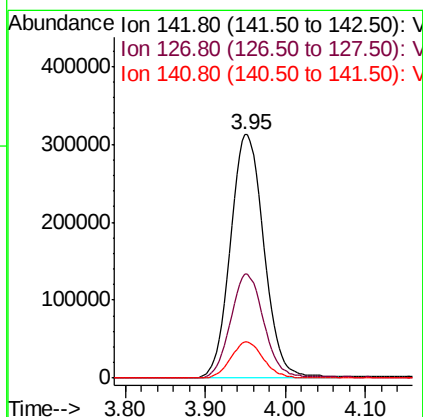
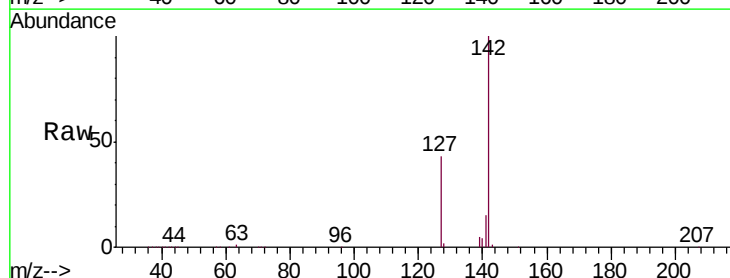
Manual Integrations
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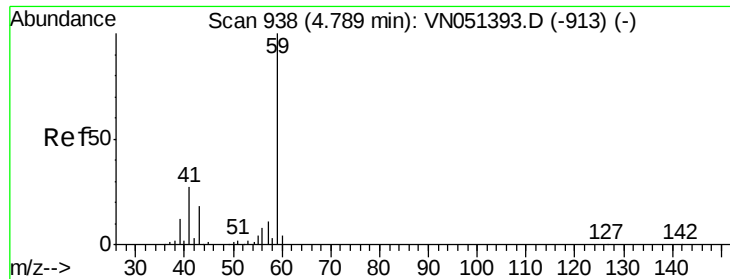
MMDadoda
 9/24/2018 2:15:20 PM



#10
 Methyl Iodide
 Concen: 99.807 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	889588		
127	42.7	33.2	49.8	
141	14.4	11.5	17.3	





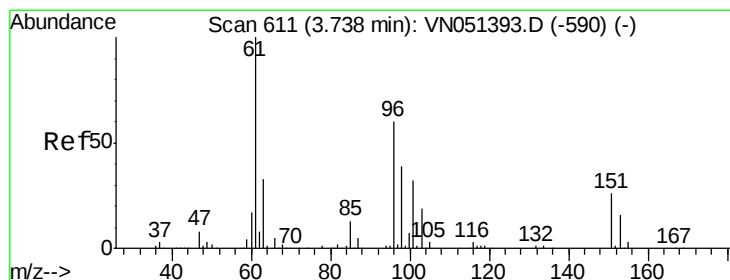
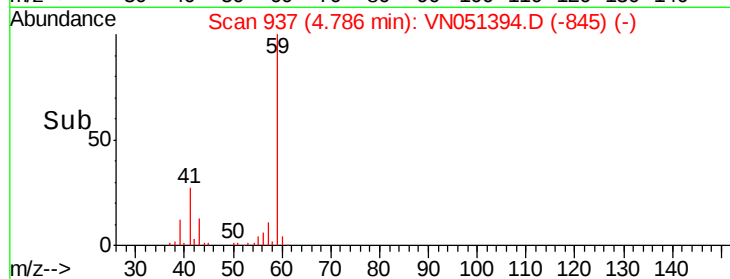
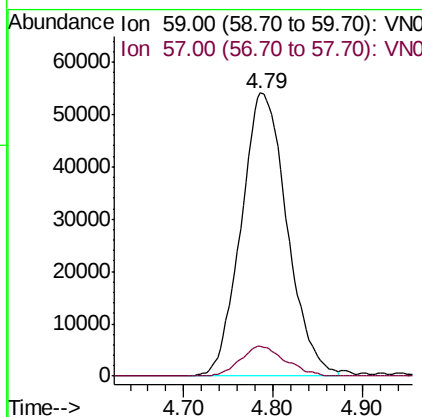
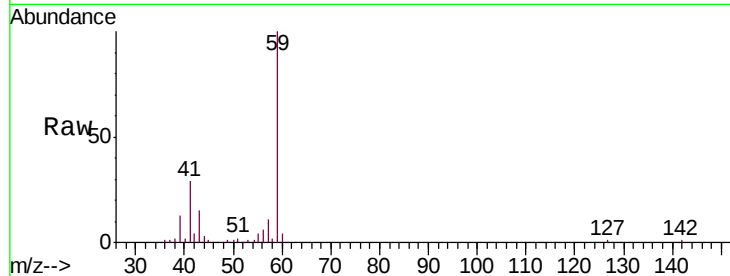
#11
Tert butyl alcohol
Concen: 496.842 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 59 Resp: 193715
Ion Ratio Lower Upper
59 100
57 10.4 6.2 9.2#

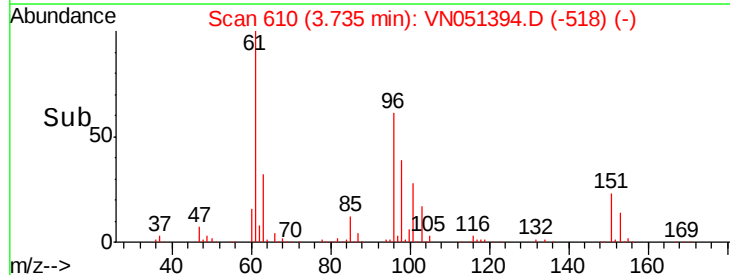
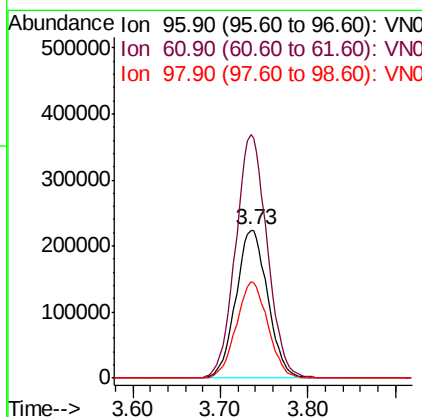
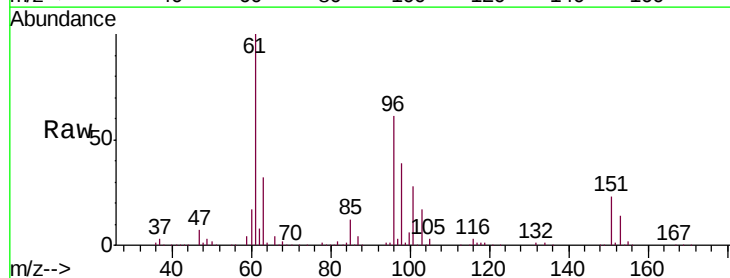
Manual Integrations
APPROVED

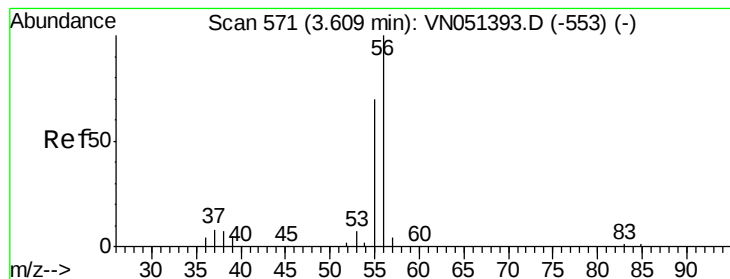
MMDadoda
9/24/2018 2:15:20 PM



#12
1,1-Dichloroethene
Concen: 92.113 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Tgt Ion: 96 Resp: 565913
Ion Ratio Lower Upper
96 100
61 164.3 133.6 200.4
98 64.7 52.2 78.2





#13

Acrolein

Concen: 521.734 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 202252

Ion Ratio Lower Upper

56 100

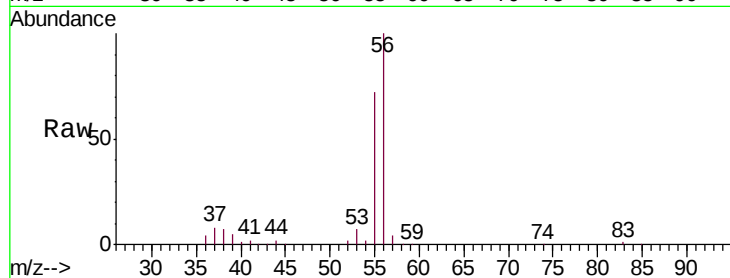
55 71.6 57.8 86.8

Manual Integrations

APPROVED

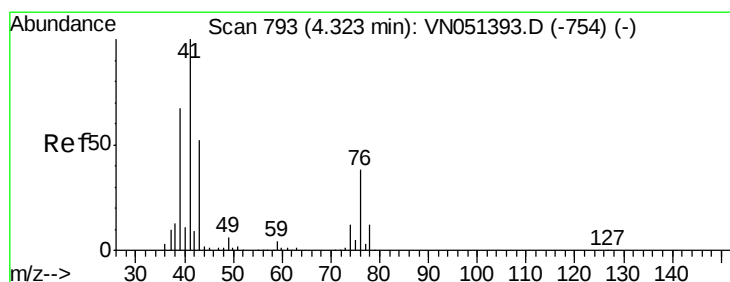
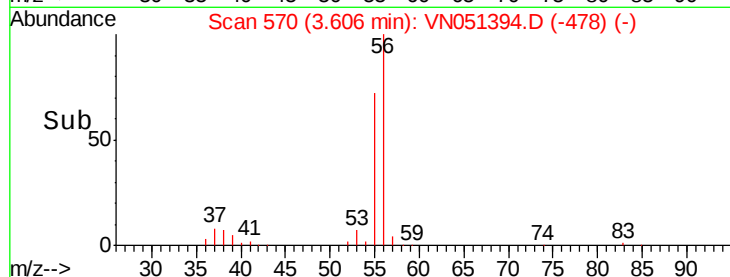
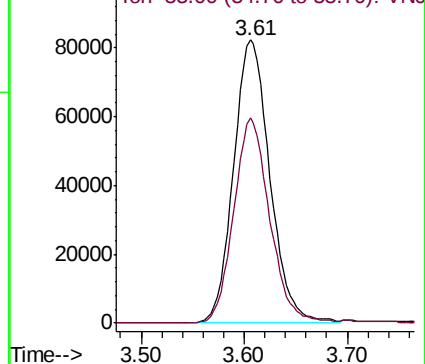
MMDadoda

9/24/2018 2:15:20 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 99.428 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

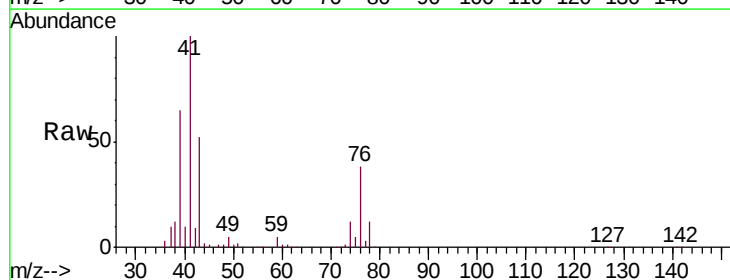
Tgt Ion: 41 Resp: 1024878

Ion Ratio Lower Upper

41 100

39 62.6 51.4 77.2

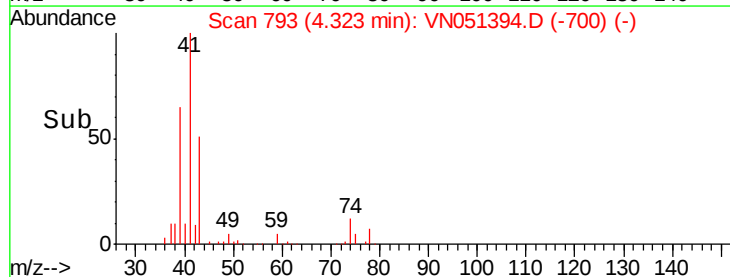
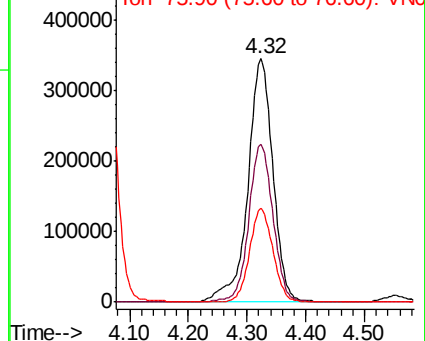
76 35.3 28.1 42.1

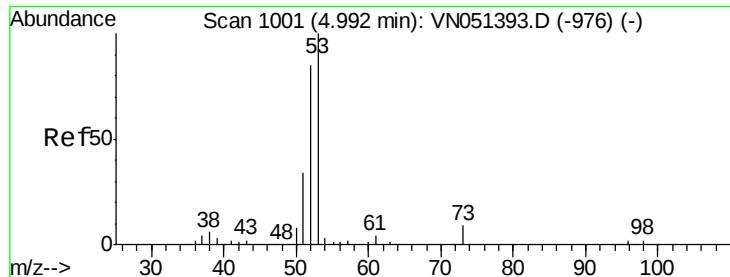


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





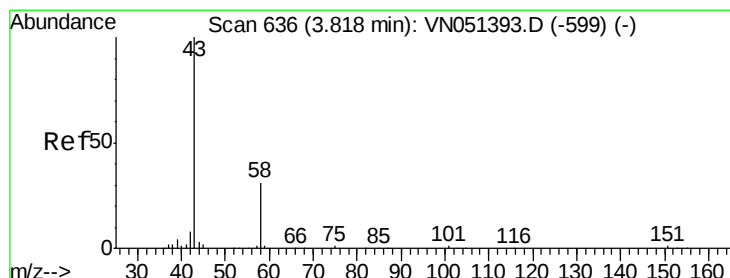
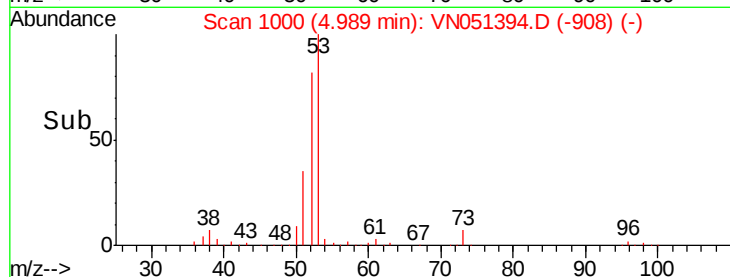
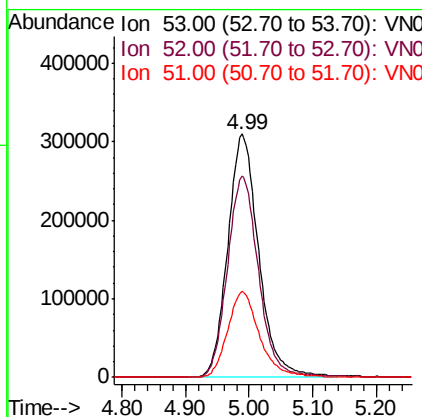
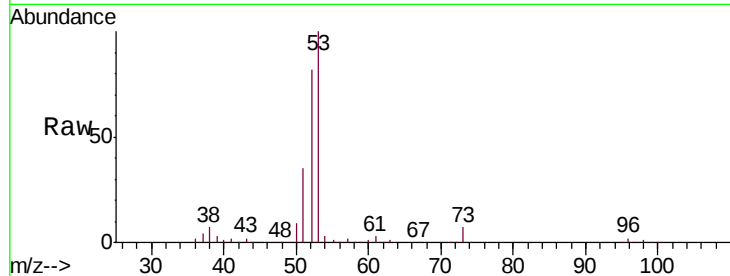
#15
 Acrylonitrile
 Concen: 492.981 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 53 Resp: 1046912
 Ion Ratio Lower Upper
 53 100
 52 83.3 66.2 99.2
 51 36.5 28.6 42.8

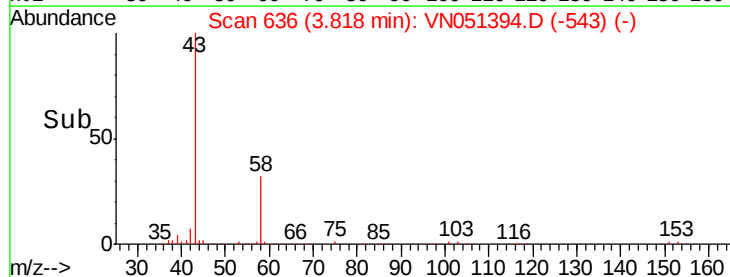
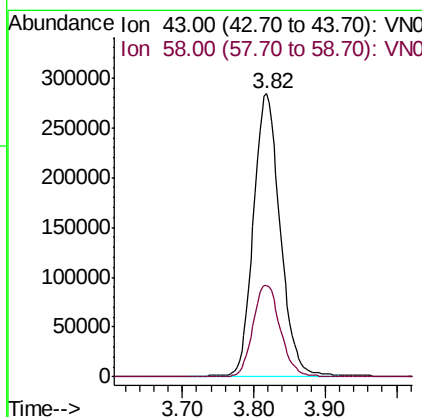
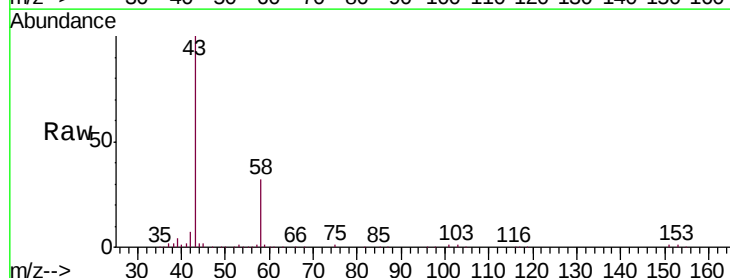
Manual Integrations
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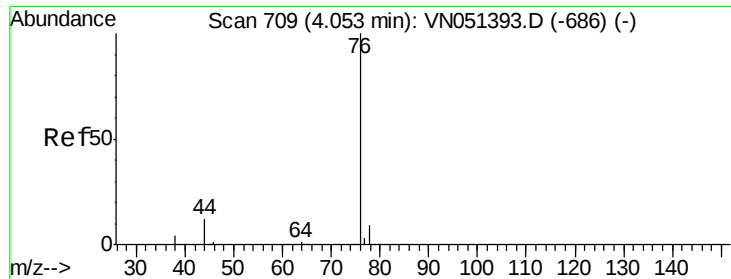
MMDadoda
 9/24/2018 2:15:20 PM



#16
 Acetone
 Concen: 506.692 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Tgt Ion: 43 Resp: 740902
 Ion Ratio Lower Upper
 43 100
 58 32.2 25.0 37.4





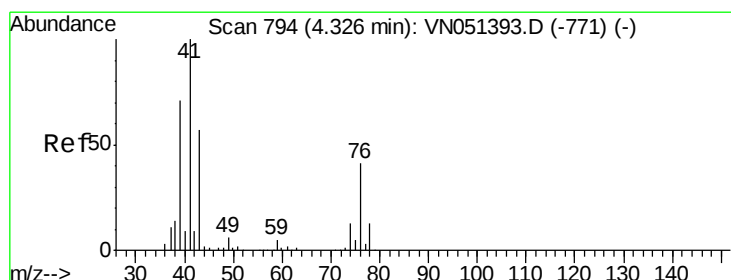
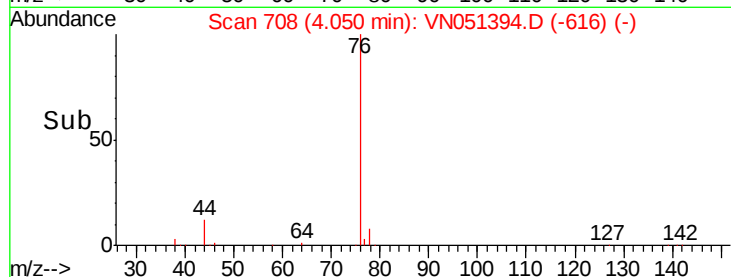
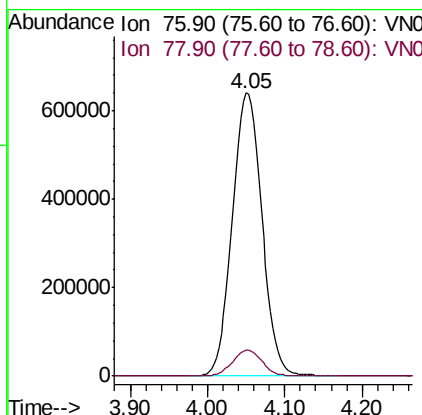
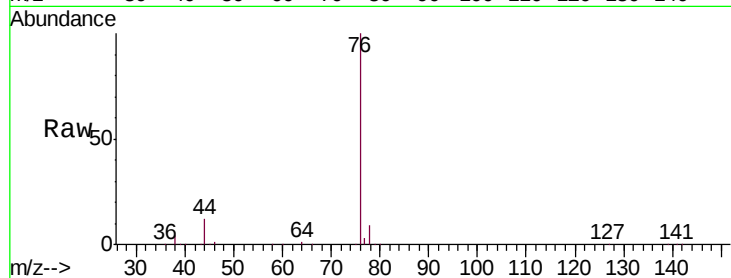
#17
Carbon Disulfide
Concen: 94.477 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 76 Resp: 1705281
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

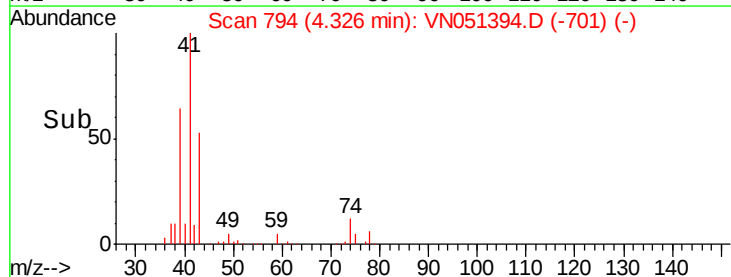
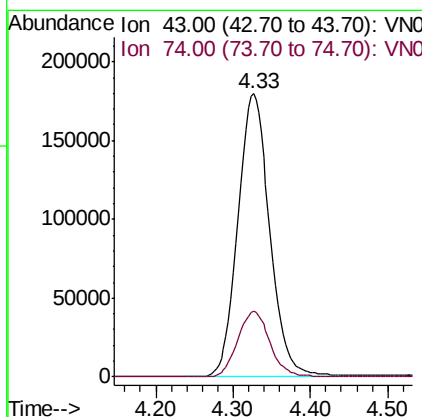
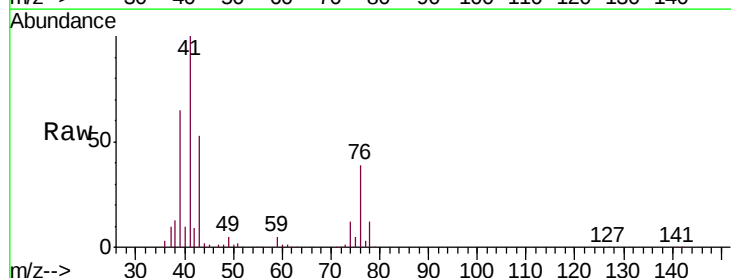
Manual Integrations
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9/24/2018 2:15:20 PM



#18
Methyl Acetate
Concen: 96.989 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Tgt Ion: 43 Resp: 510946
Ion Ratio Lower Upper
43 100
74 23.6 18.8 28.2





#19

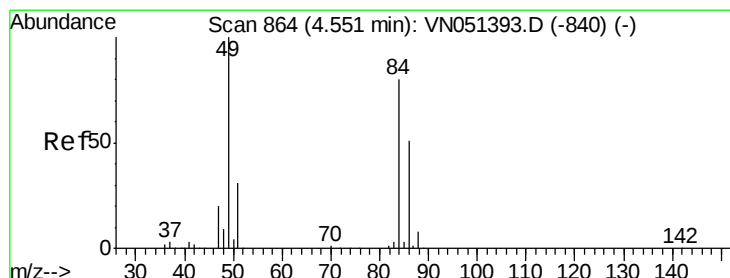
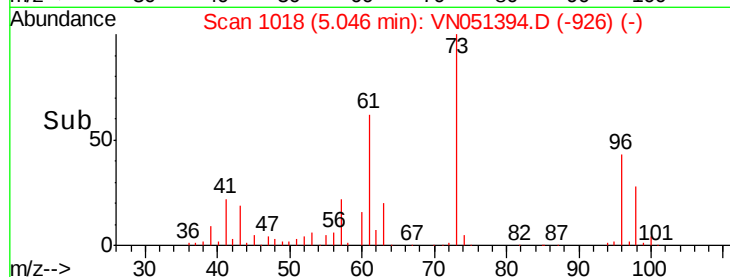
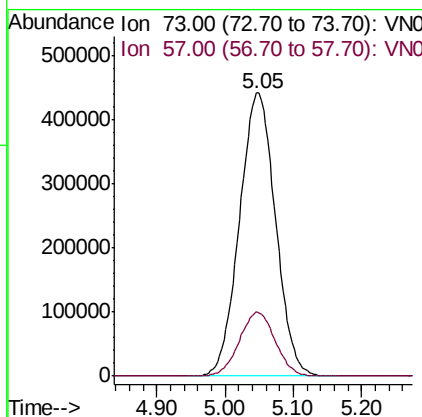
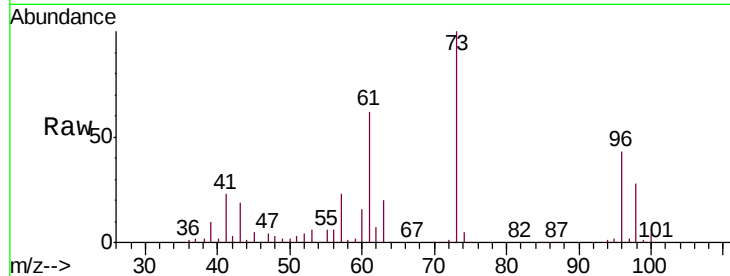
Methyl tert-butyl Ether
 Concen: 102.219 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion: 73 Resp: 1619425
 Ion Ratio Lower Upper
 73 100
 57 22.8 18.3 27.5

Manual Integrations
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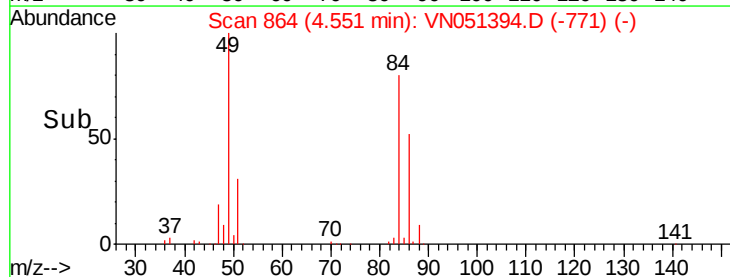
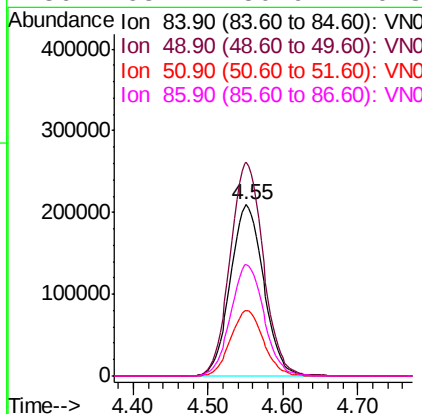
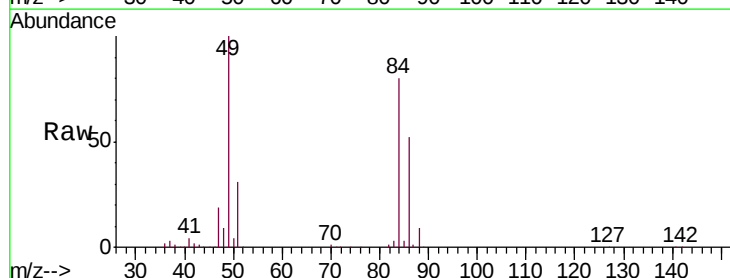
MMDadoda
 9/24/2018 2:15:20 PM

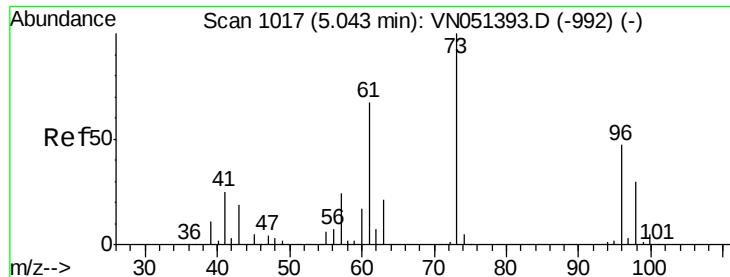


#20

Methylene Chloride
 Concen: 94.700 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Tgt Ion: 84 Resp: 648204
 Ion Ratio Lower Upper
 84 100
 49 124.9 99.9 149.9
 51 38.4 31.4 47.2
 86 65.4 50.9 76.3





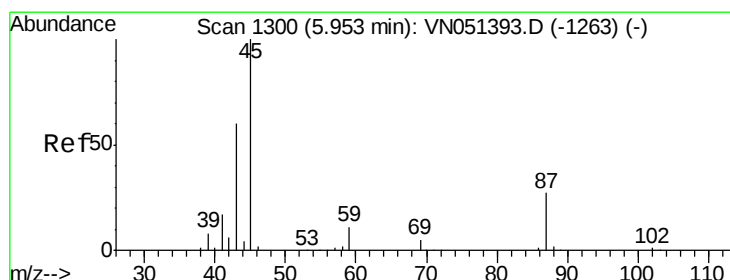
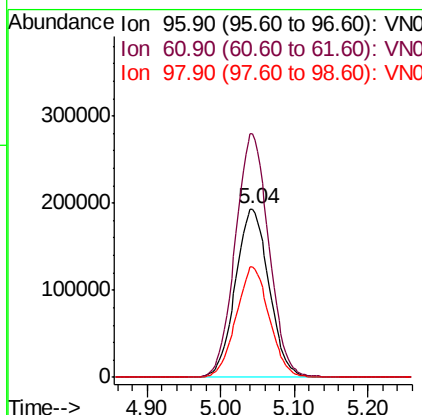
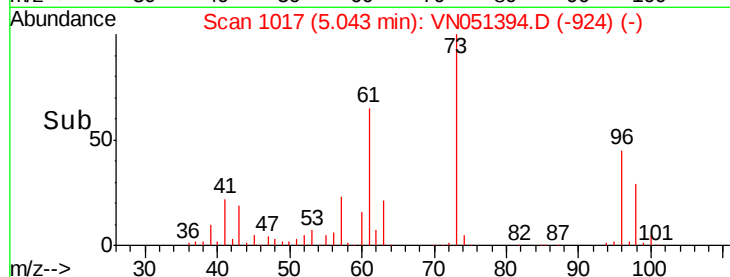
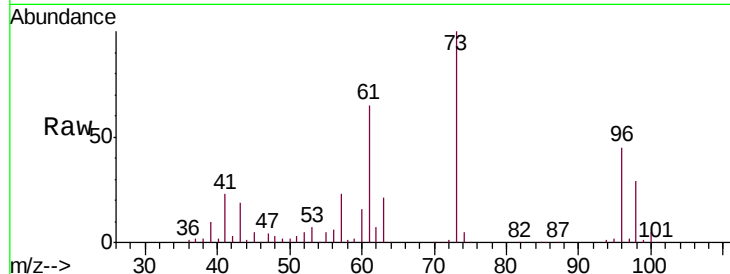
#21
trans-1,2-Dichloroethene
Concen: 97.810 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.5	113.4	170.2
98	65.6	51.1	76.7

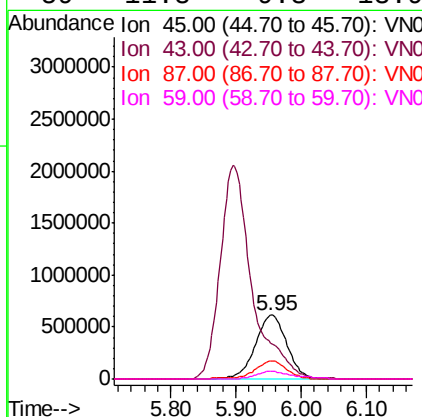
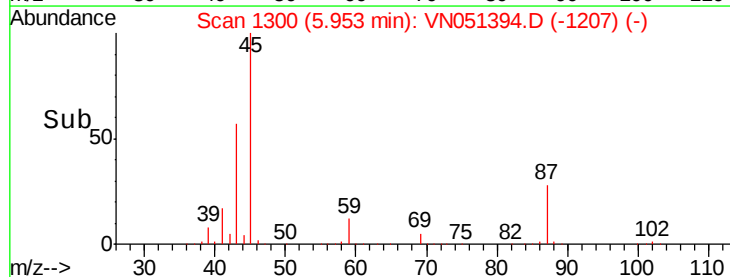
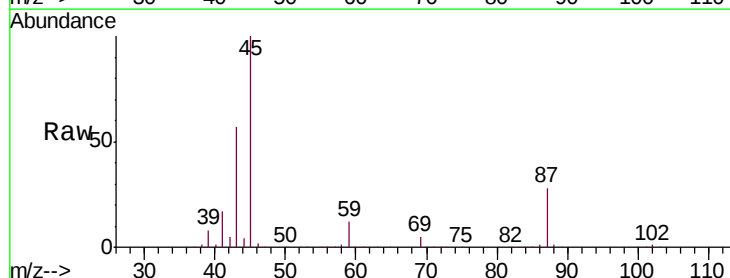
Manual Integrations
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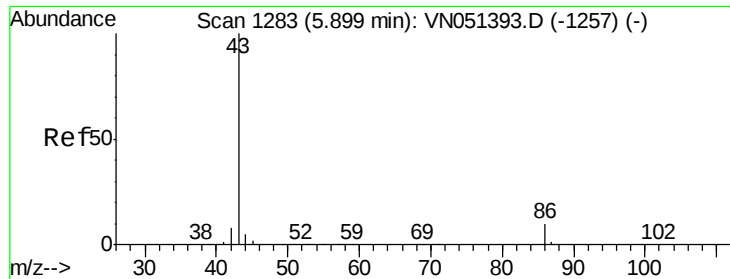
MMDadoda
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#22
Diisopropyl ether
Concen: 103.474 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.8	47.7	71.5
87	27.8	22.0	33.0
59	11.8	9.3	13.9





#23

Vinyl Acetate

Concen: 532.561 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 6966438

Ion Ratio Lower Upper

43 100

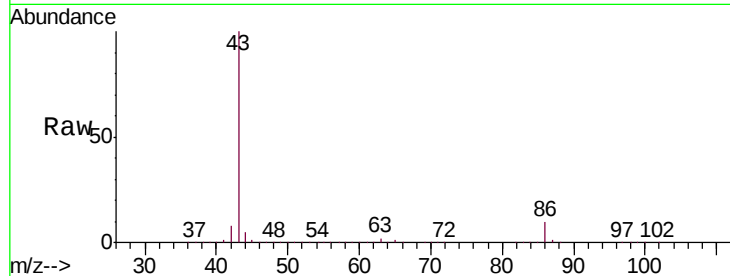
86 10.4 8.2 12.2

Manual Integrations

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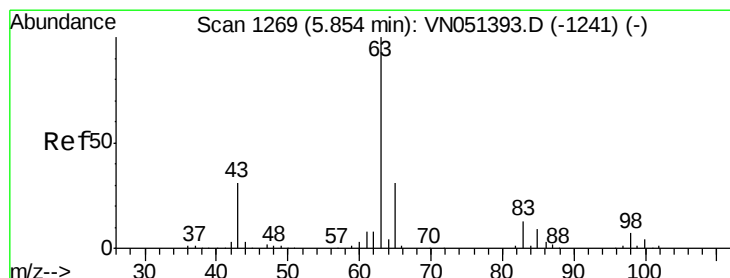
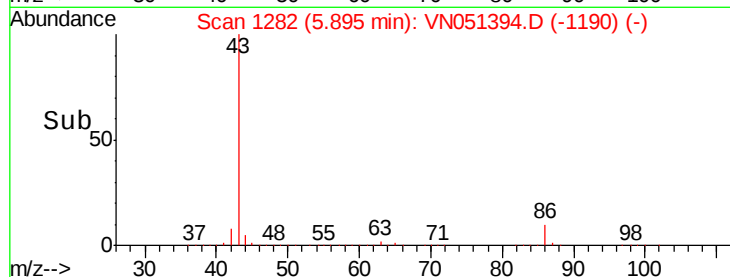
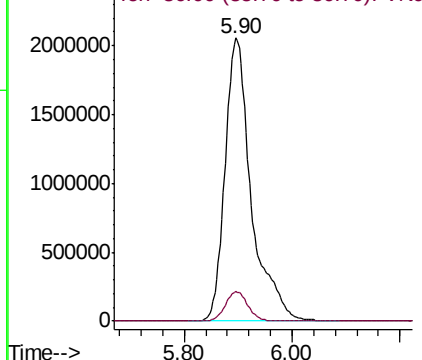
MMDadoda

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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: 99.846 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

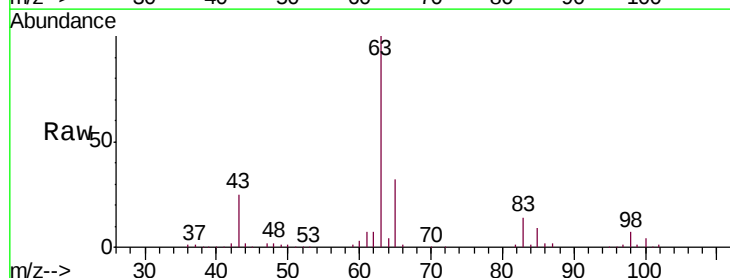
Tgt Ion: 63 Resp: 1187003

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

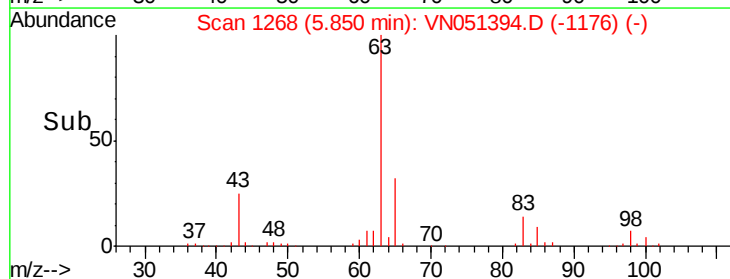
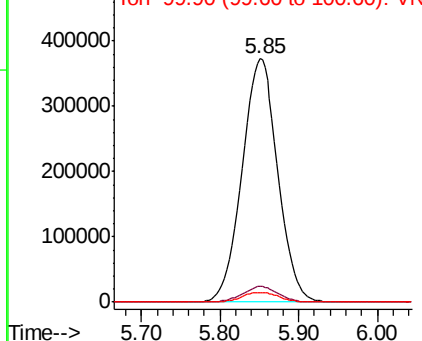
100 3.9 2.2 6.6

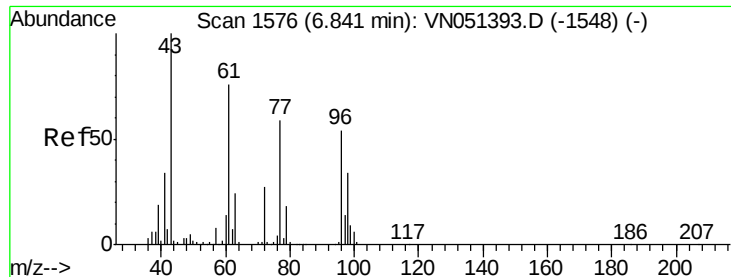


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 504.964 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tgt Ion: 43 Resp: 1195532

Ion Ratio Lower Upper

43 100

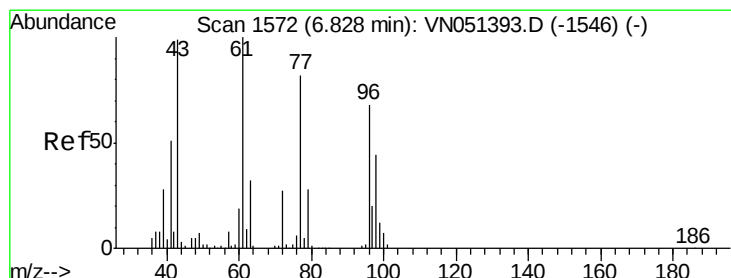
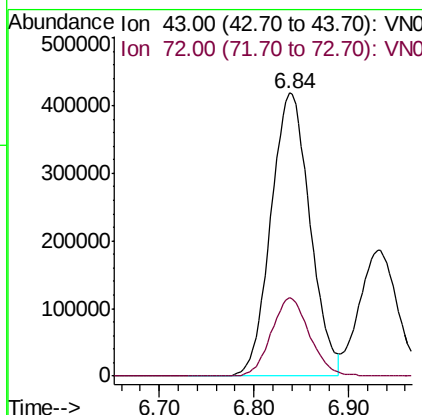
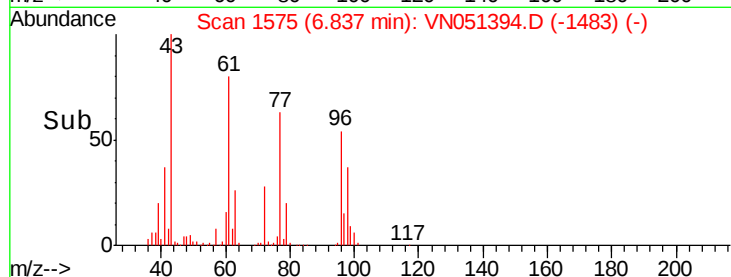
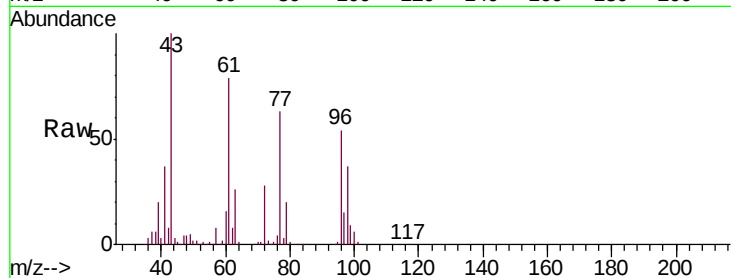
72 27.6 21.8 32.6

Manual Integrations

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MMDadoda

9/24/2018 2:15:20 PM



#26

2,2-Dichloropropane

Concen: 101.632 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051394.D

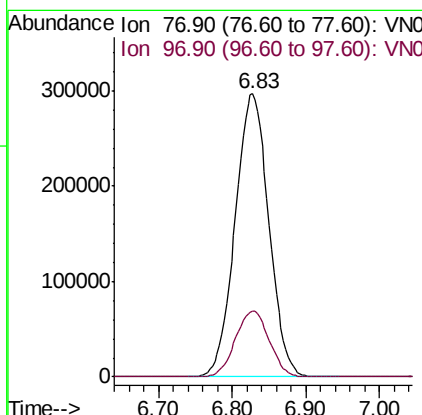
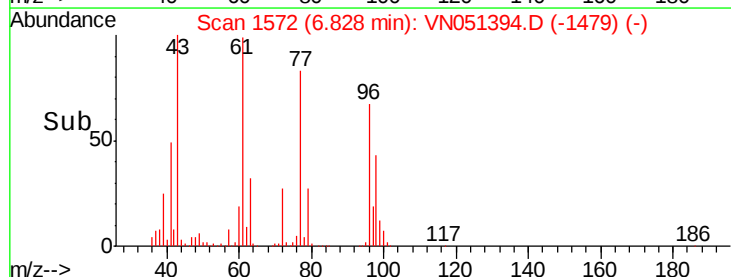
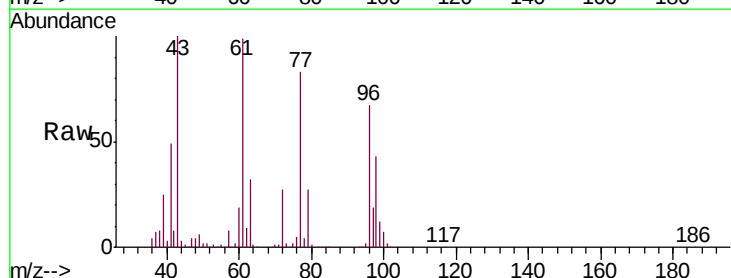
Acq: 22 Sep 2018 13:31

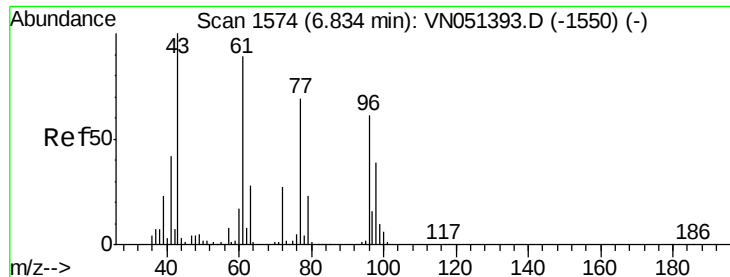
Tgt Ion: 77 Resp: 943137

Ion Ratio Lower Upper

77 100

97 23.5 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 101.772 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Instrument :

MSVOA_N

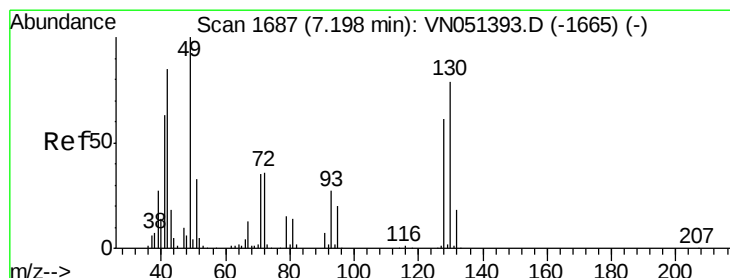
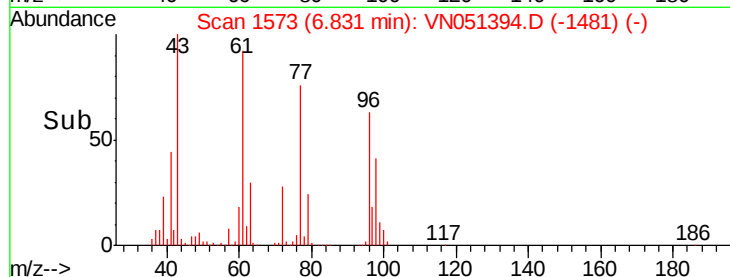
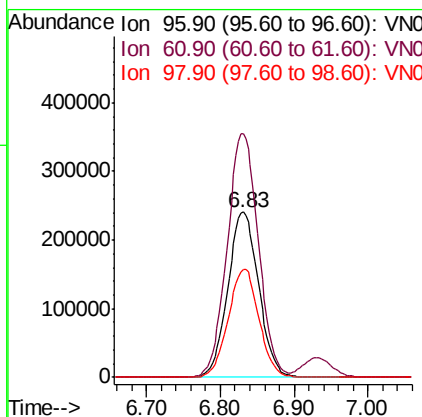
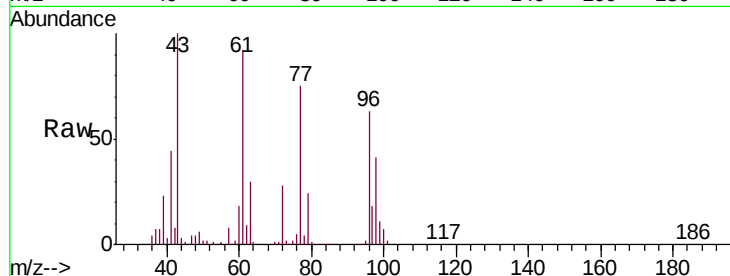
ClientSampleId :

VSTDIC100

Tgt Ion:	96	Resp:	701832
Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	291.4
98	65.1	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 99.666 ug/l

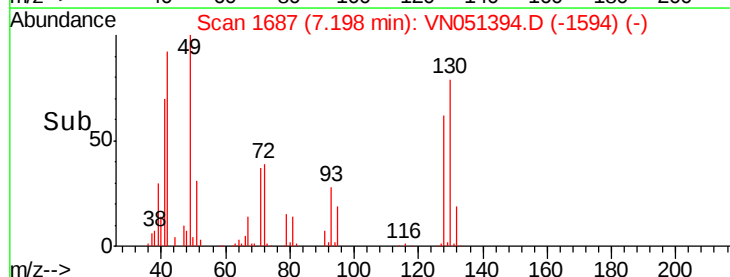
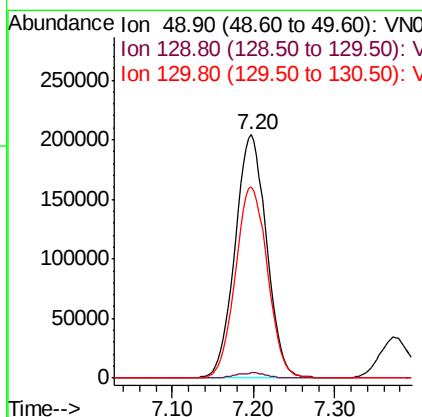
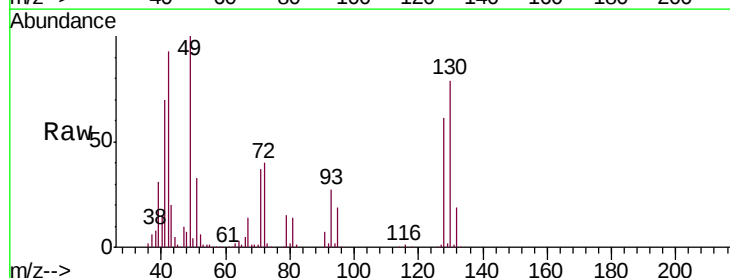
RT: 7.20 min Scan# 1687

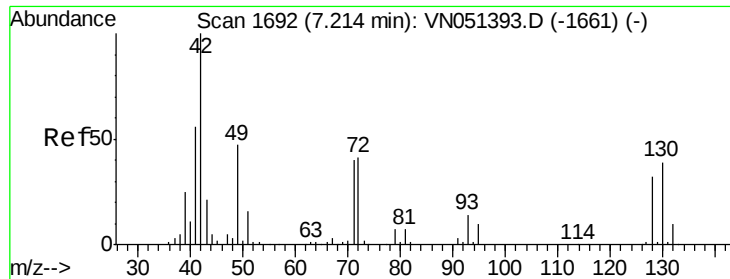
Delta R.T. -0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Tgt Ion:	49	Resp:	547162
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	79.8	63.0	94.4





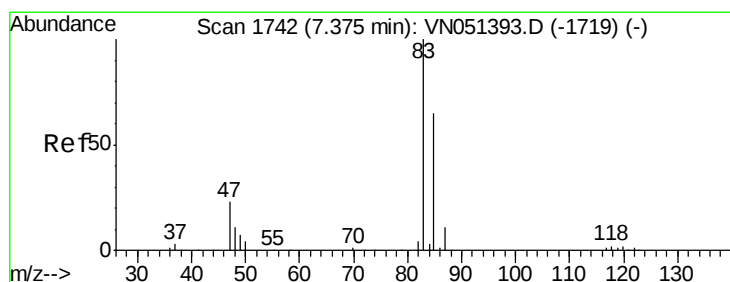
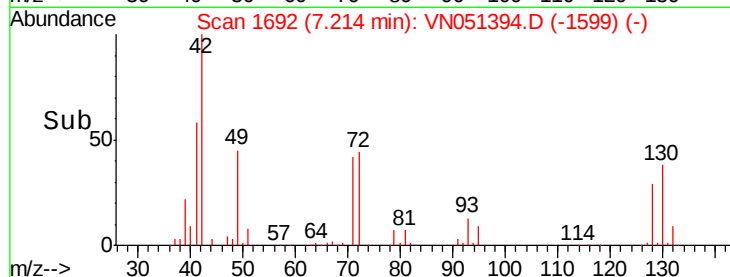
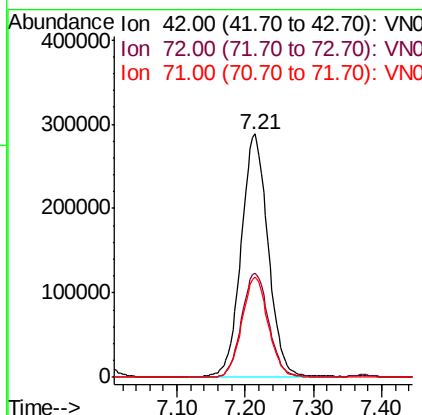
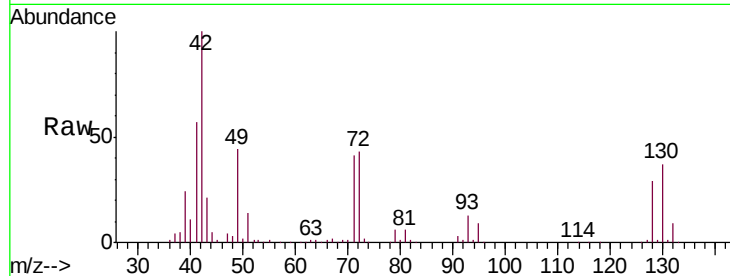
#29
Tetrahydrofuran
Concen: 528.551 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.3	51.5
71	40.2	32.2	48.4

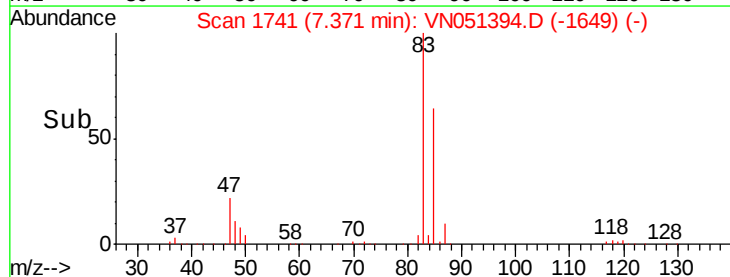
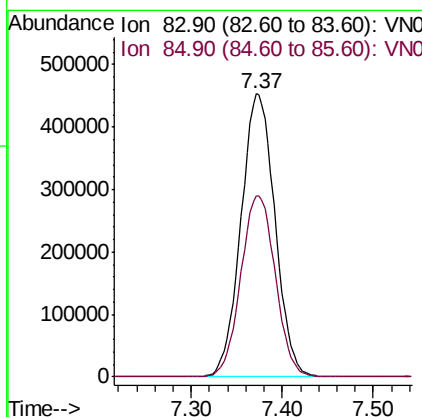
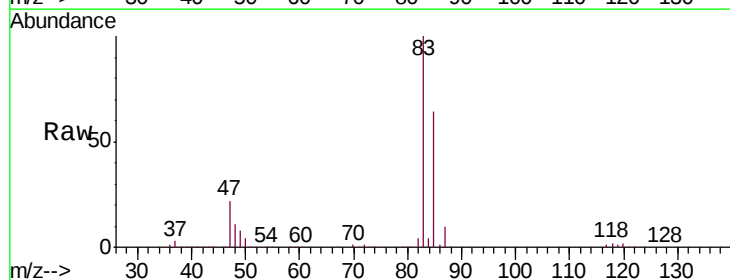
Manual Integrations
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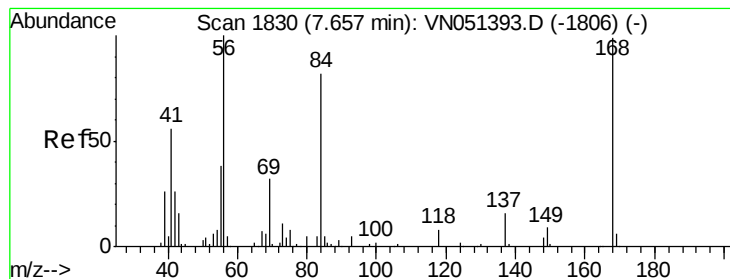
MMDadoda
9/24/2018 2:15:20 PM



#30
Chloroform
Concen: 99.979 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.6





#31

Cyclohexane

Concen: 100.511 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 1094763

Ion Ratio Lower Upper

56 100

69 30.5 25.8 38.6

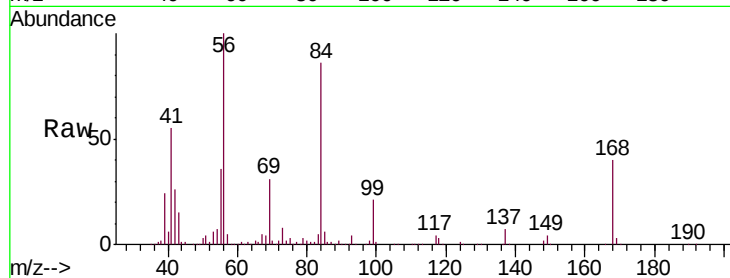
84 84.8 66.0 99.0

Manual Integrations

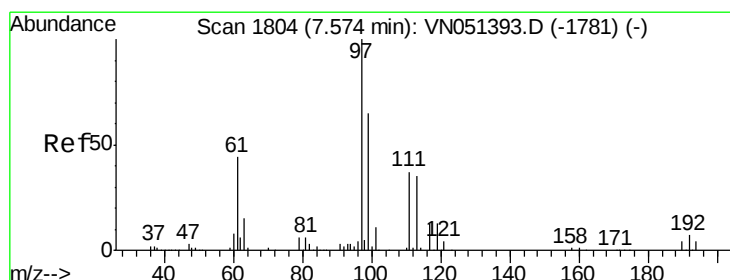
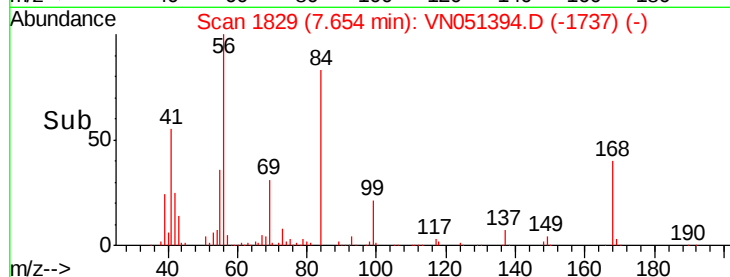
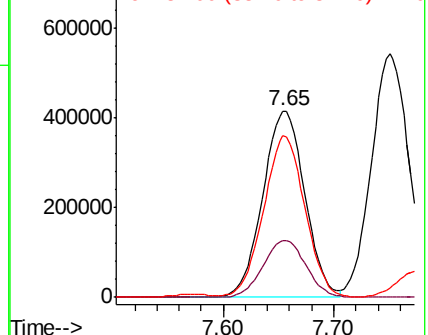
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 102.398 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

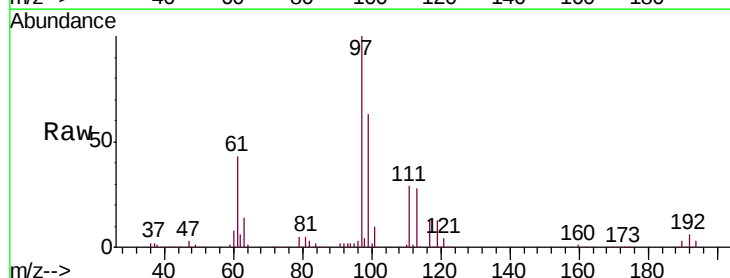
Tgt Ion: 97 Resp: 1031197

Ion Ratio Lower Upper

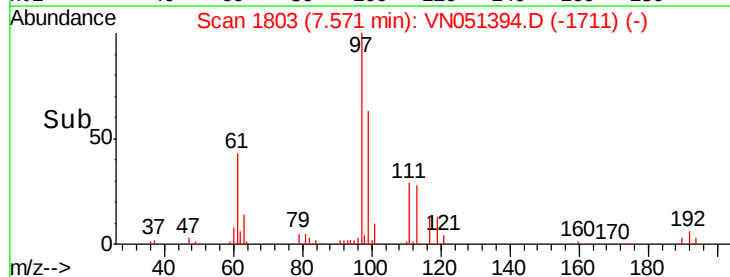
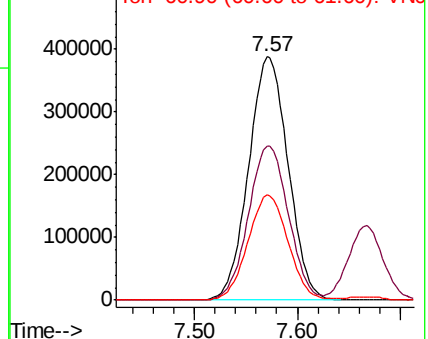
97 100

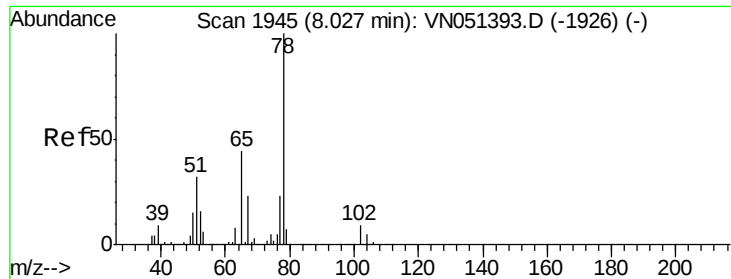
99 64.4 51.4 77.0

61 43.9 35.8 53.8



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





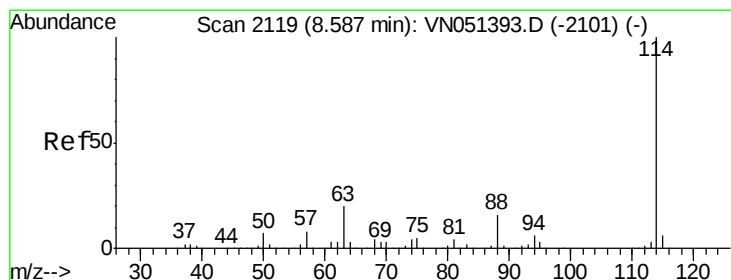
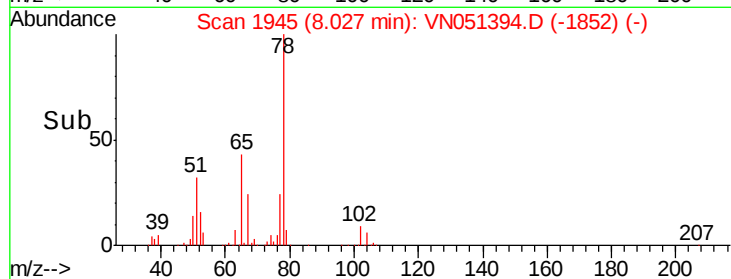
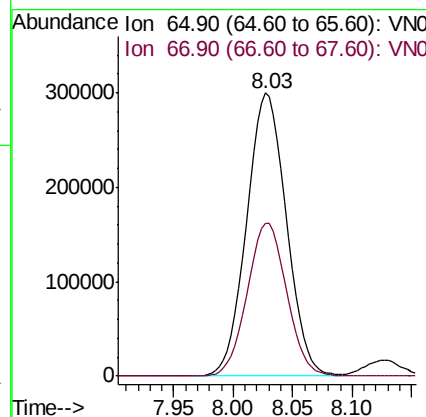
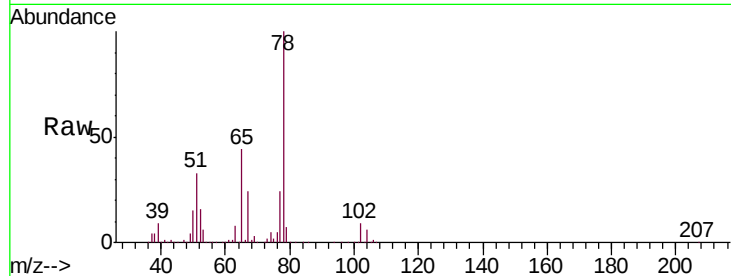
#33
 1,2-Dichloroethane-d4
 Concen: 100.481 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	695041		
67	53.7	0.0	107.8	

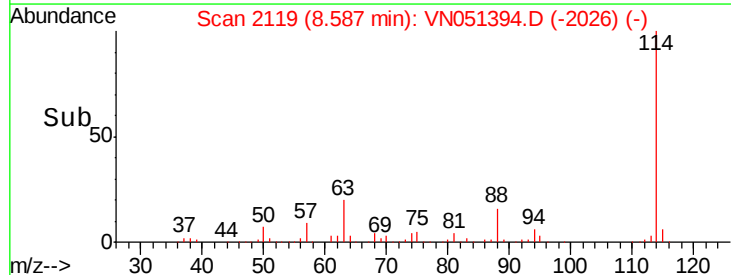
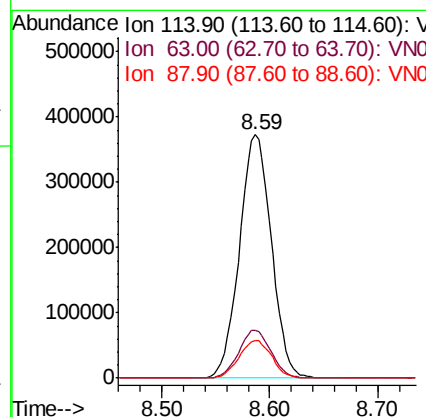
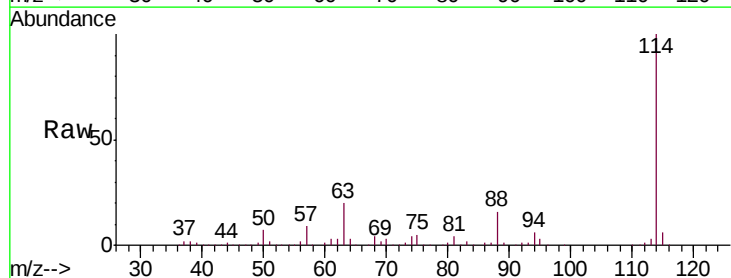
Manual Integrations
 APPROVED

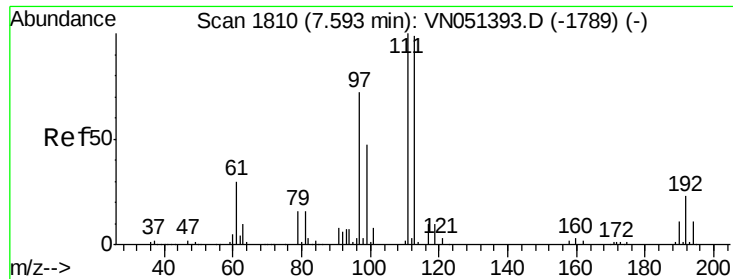
MMDadoda
 9/24/2018 2:15:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	768915		
63	19.8	0.0	40.2	
88	15.5	0.0	31.4	





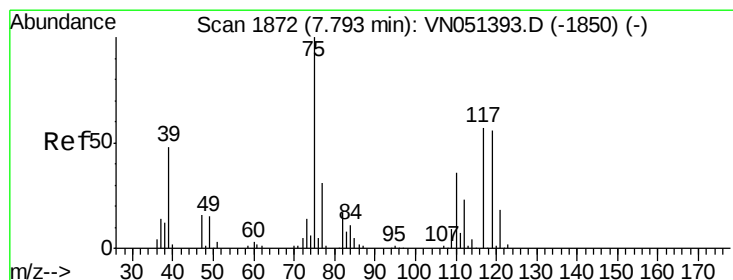
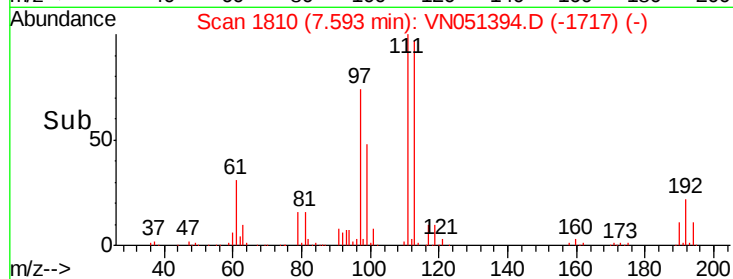
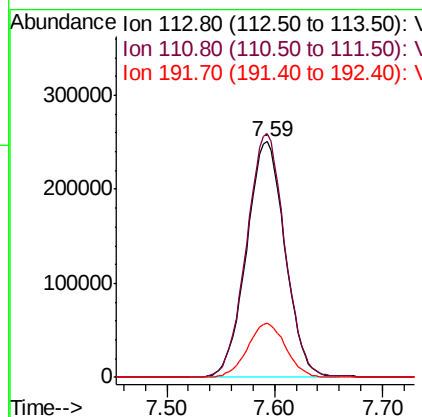
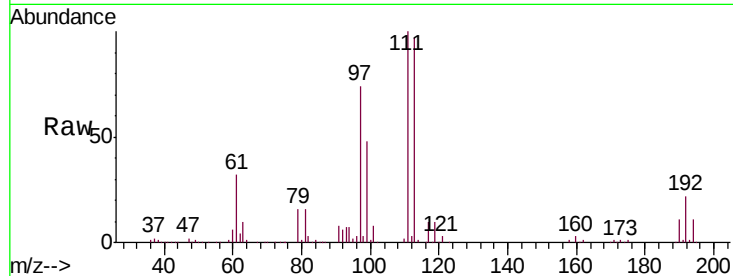
#35
 Dibromofluoromethane
 Concen: 101.146 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	621913		
111	103.4	82.6	123.8	
192	22.7	18.0	27.0	

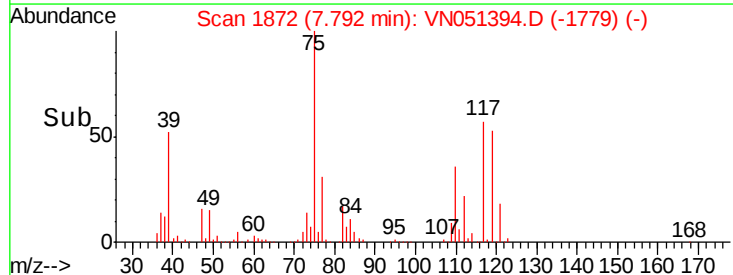
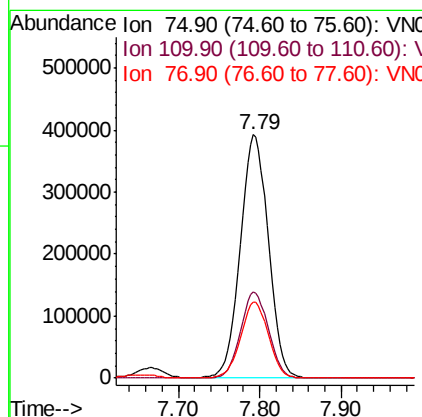
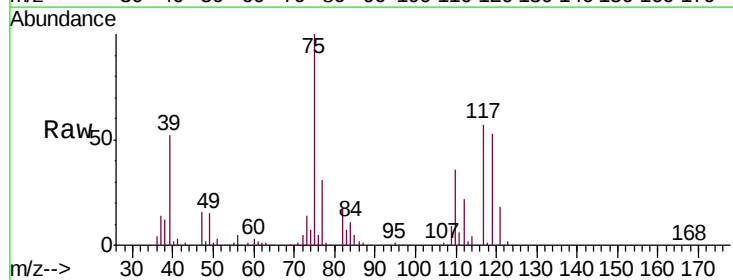
Manual Integrations
 APPROVED

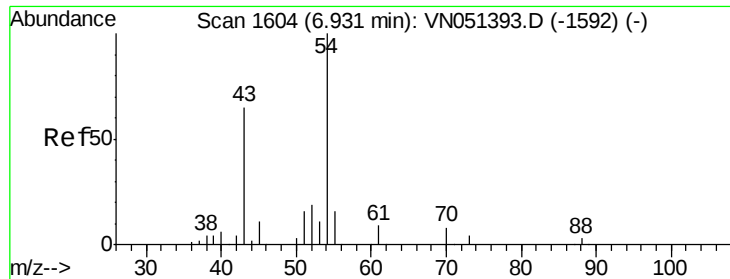
MMDadoda
 9/24/2018 2:15:20 PM



#36
 1,1-Dichloropropene
 Concen: 104.414 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	929724		
110	35.3	18.1	54.3	
77	31.2	25.6	38.4	





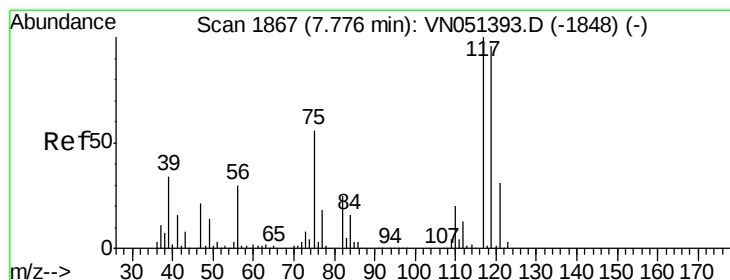
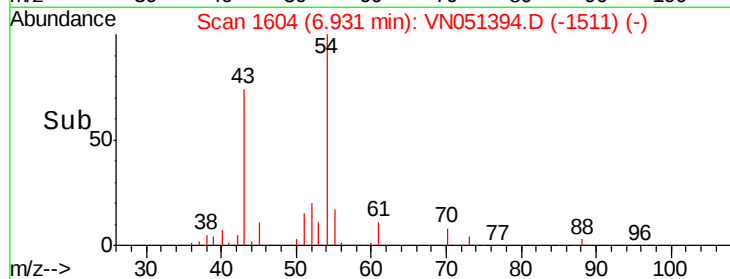
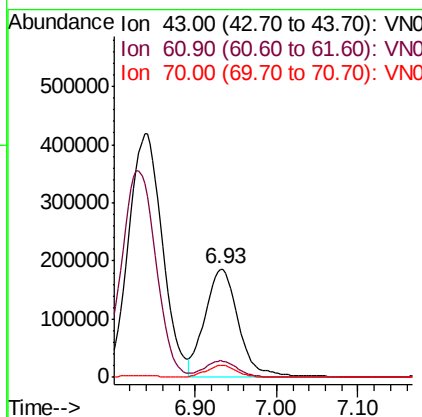
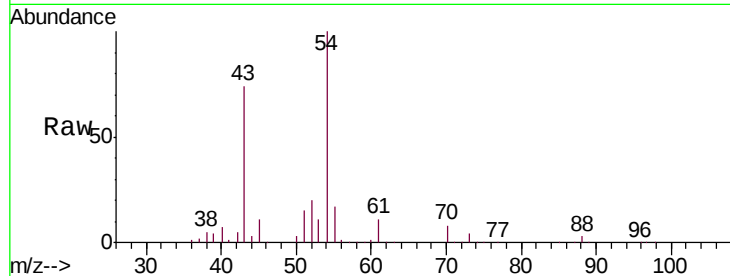
#37
Ethyl Acetate
Concen: 104.273 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	10.1	7.9	11.9

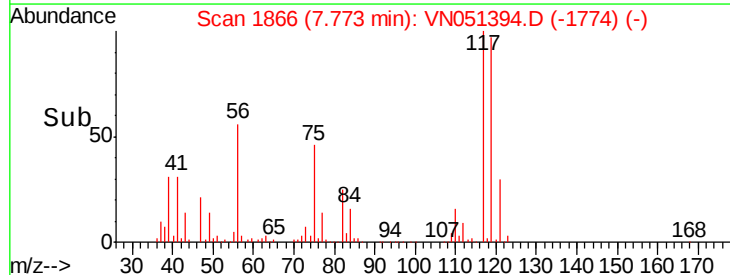
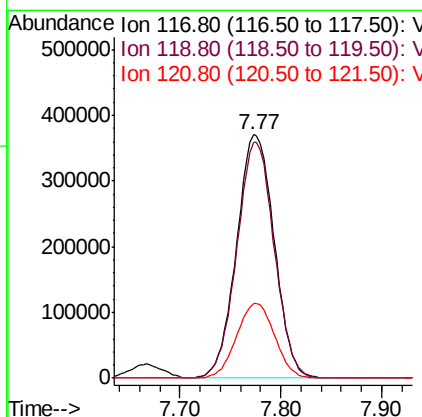
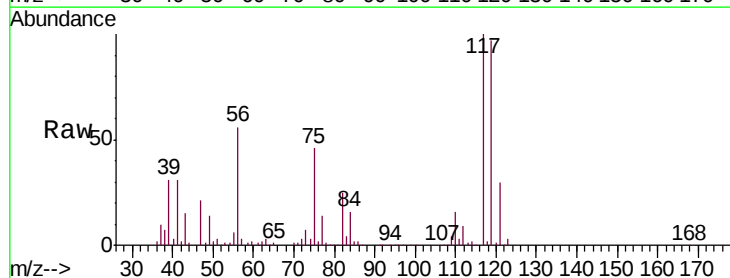
Manual Integrations
APPROVED

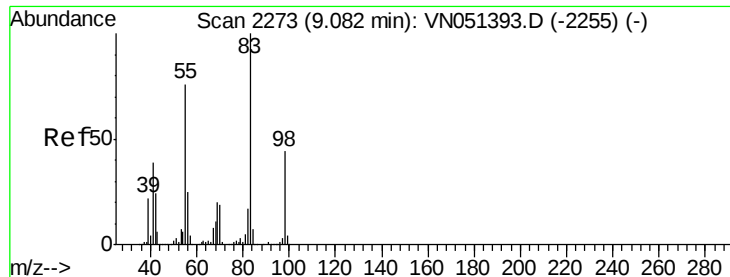
MMDadoda
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#38
Carbon Tetrachloride
Concen: 102.576 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.9	115.3
121	30.5	24.6	37.0





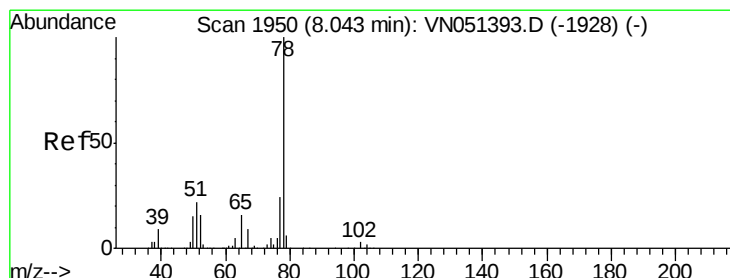
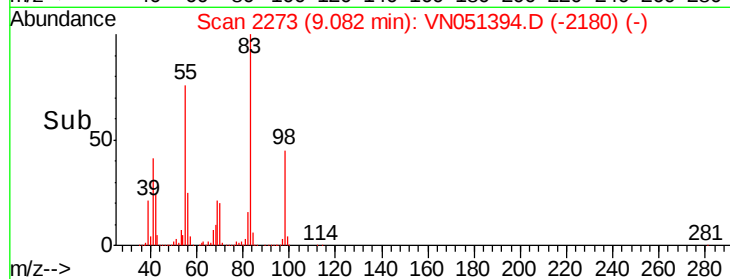
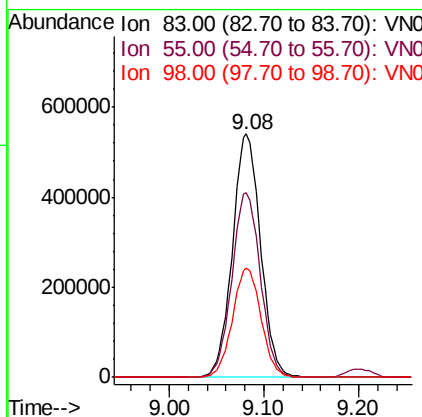
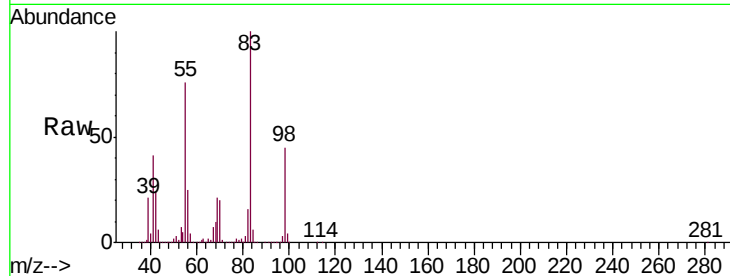
#39
Methylcyclohexane
Concen: 107.242 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 83 Resp: 1116283
Ion Ratio Lower Upper
83 100
55 76.0 61.0 91.4
98 44.9 35.6 53.4

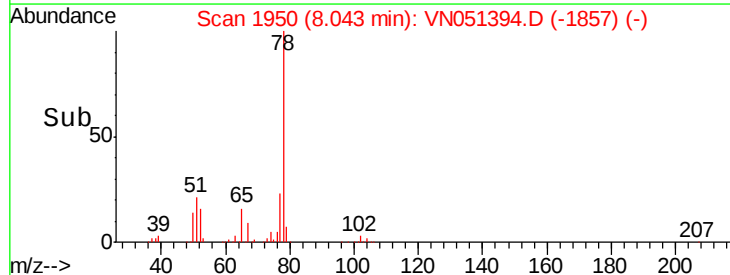
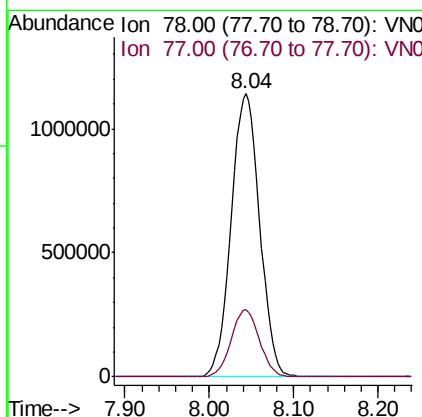
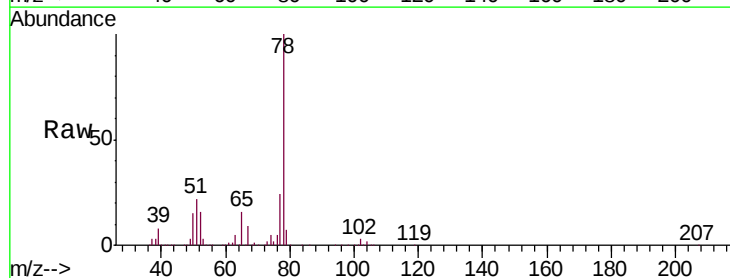
Manual Integrations
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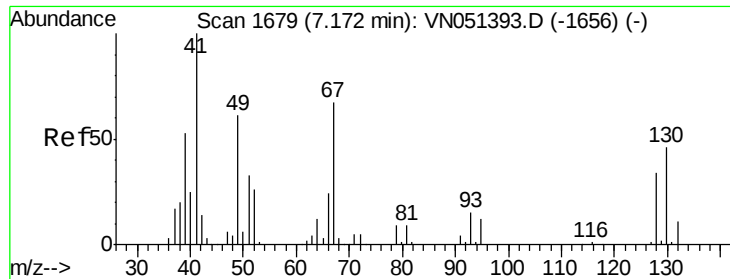
MMDadoda
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#40
Benzene
Concen: 102.783 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Tgt Ion: 78 Resp: 2687223
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8





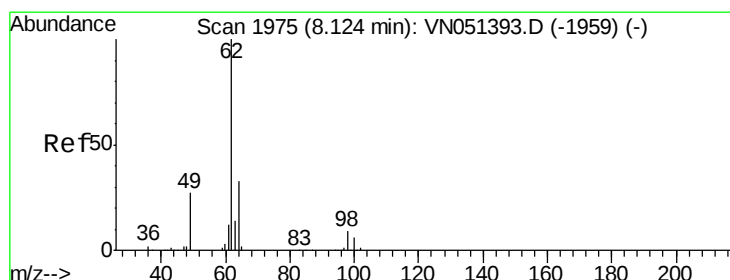
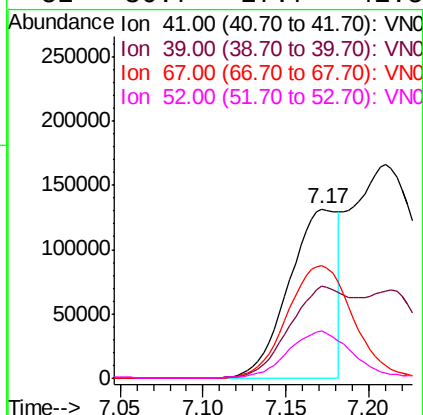
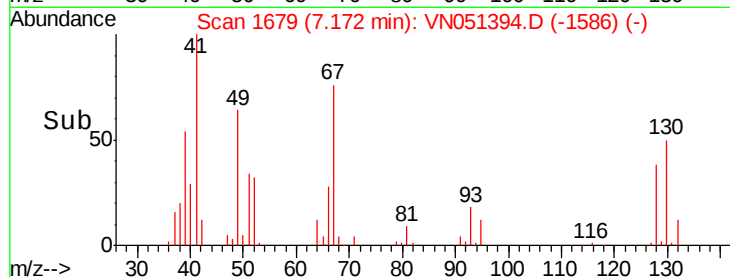
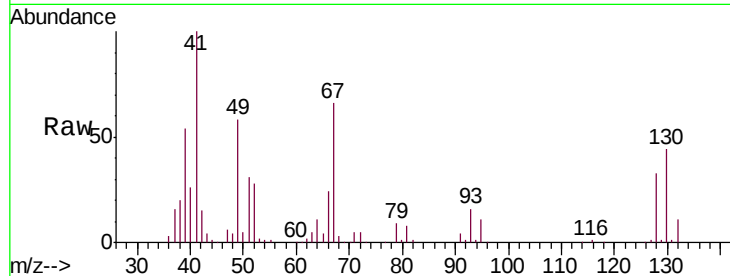
#41
Methacrylonitrile
Concen: 95.036 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.3	51.4	77.2
67	90.8	66.8	100.2
52	36.7	27.7	41.5

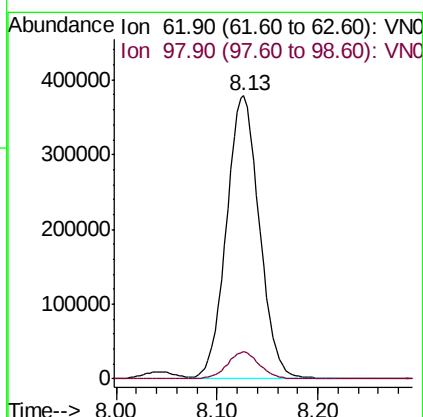
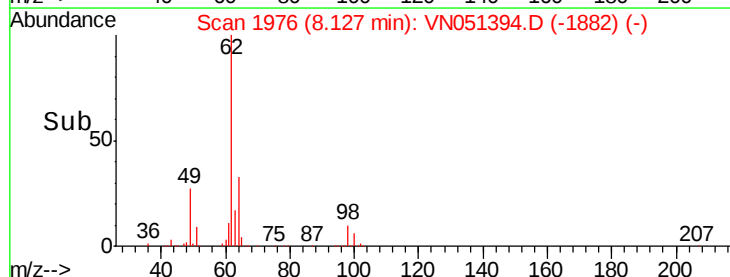
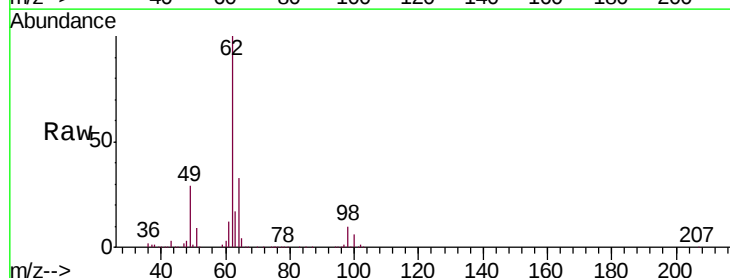
Manual Integrations
APPROVED

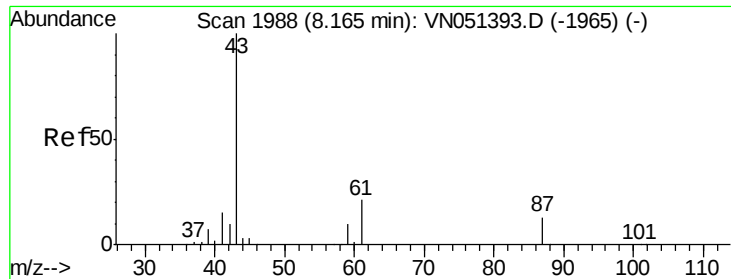
MMDadoda
9/24/2018 2:15:20 PM



#42
1,2-Dichloroethane
Concen: 102.576 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6





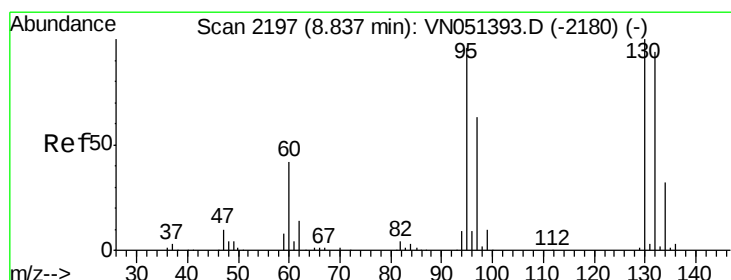
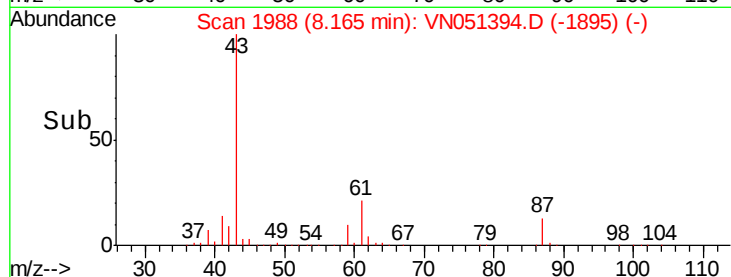
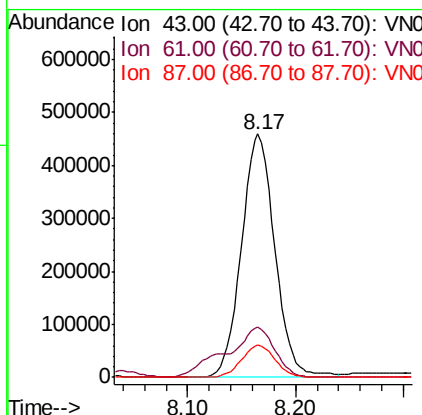
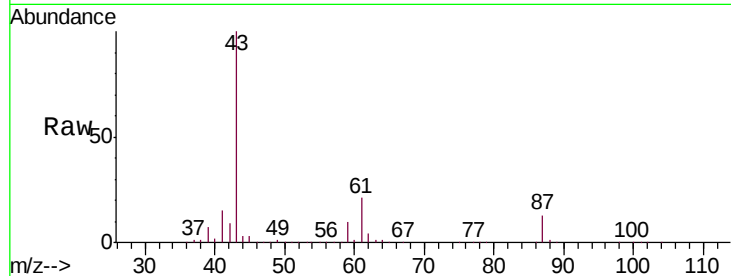
#43
Isopropyl Acetate
Concen: 106.564 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.8	25.2
87	13.3	10.7	16.1

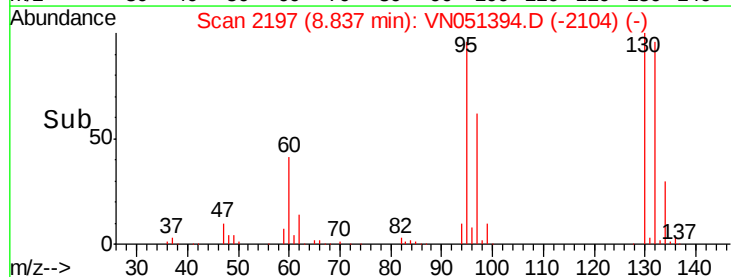
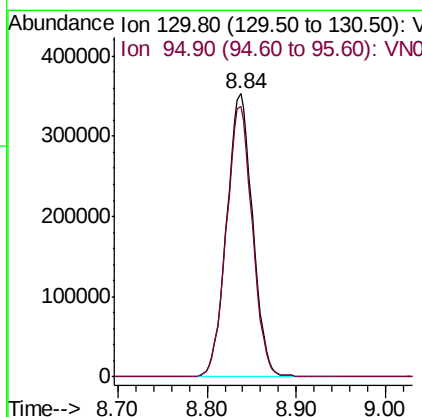
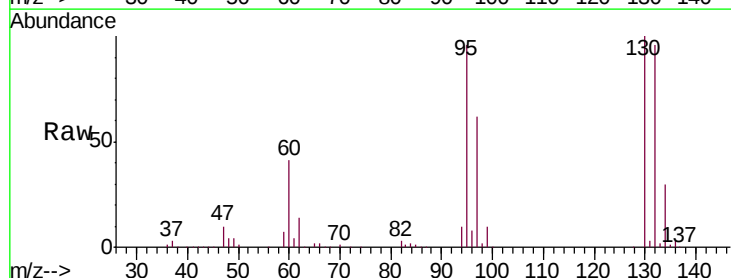
Manual Integrations
APPROVED

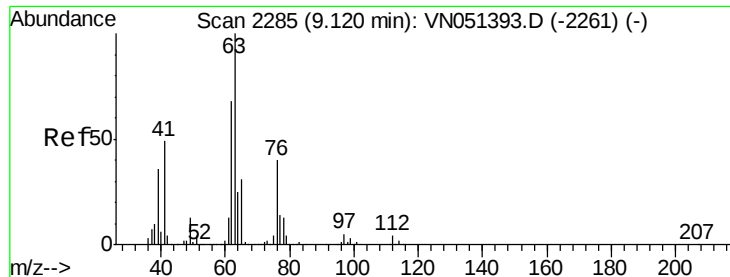
MMDadoda
9/24/2018 2:15:20 PM



#44
Trichloroethene
Concen: 102.291 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	192.2





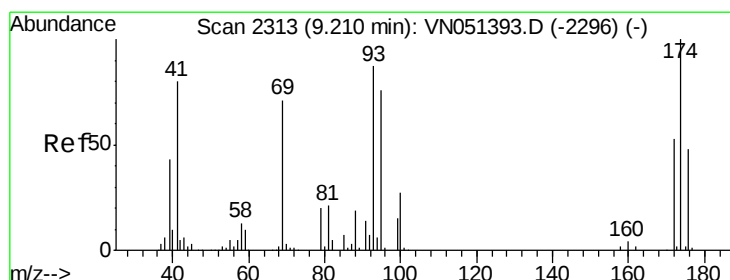
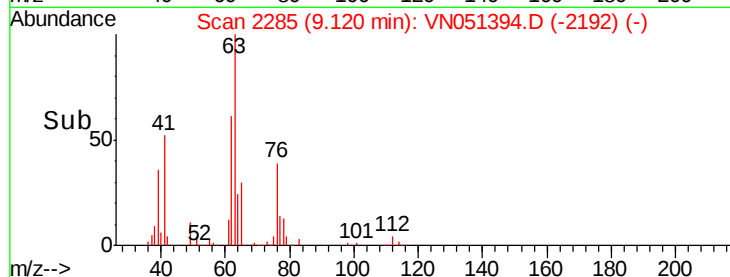
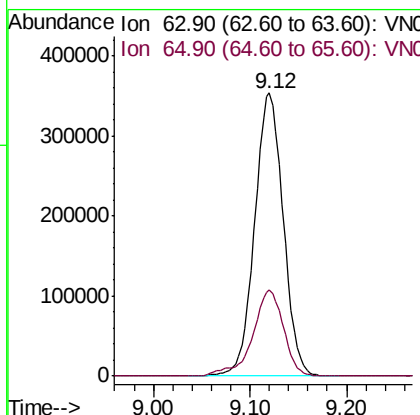
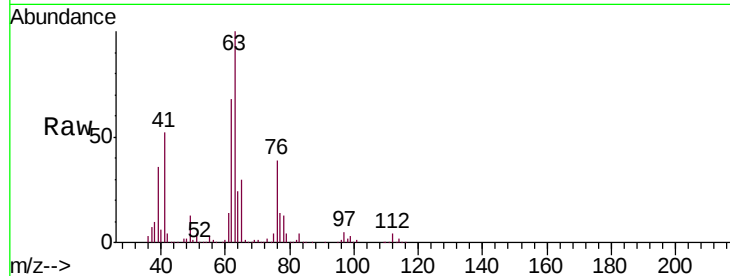
#45
 1,2-Dichloropropane
 Concen: 102.040 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 63 Resp: 725190
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.9 37.3

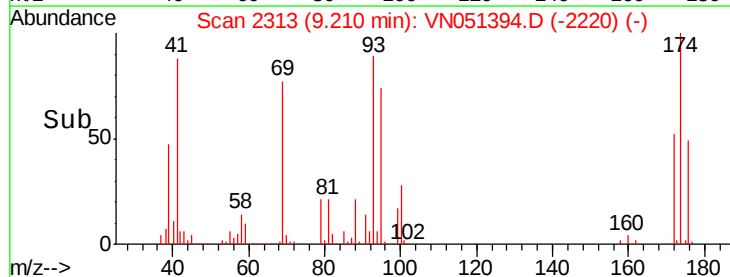
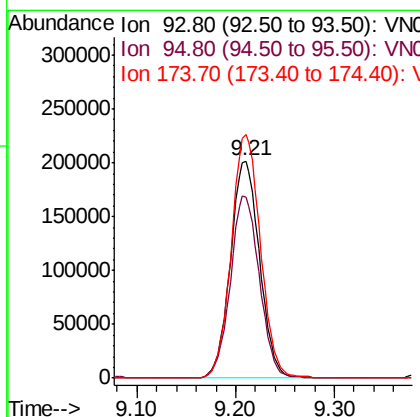
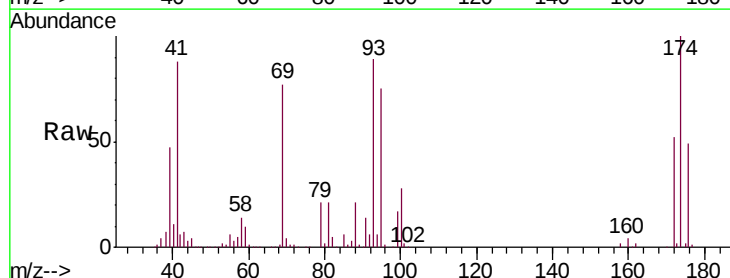
Manual Integrations
 APPROVED

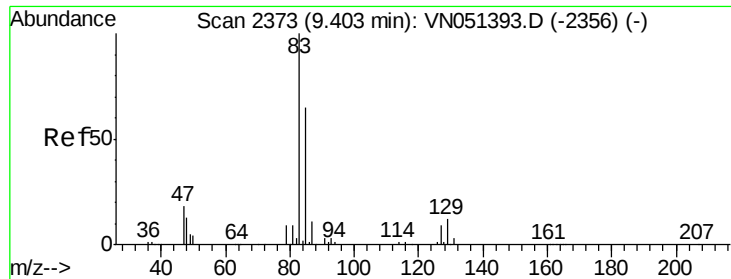
MMDadoda
 9/24/2018 2:15:20 PM



#46
 Dibromomethane
 Concen: 103.403 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Tgt Ion: 93 Resp: 415221
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.6 101.4
 174 112.1 89.6 134.4





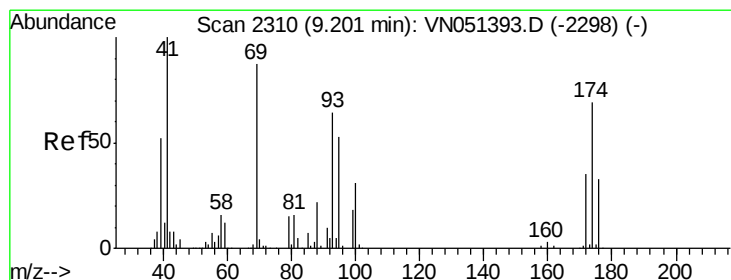
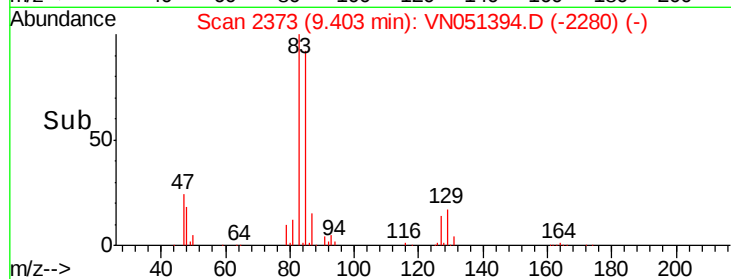
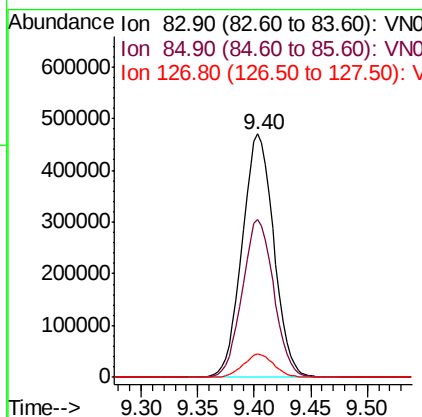
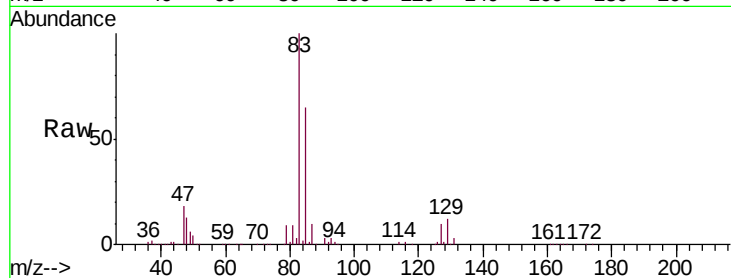
#47
Bromodichloromethane
Concen: 103.070 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6
127	9.6	7.4	11.2

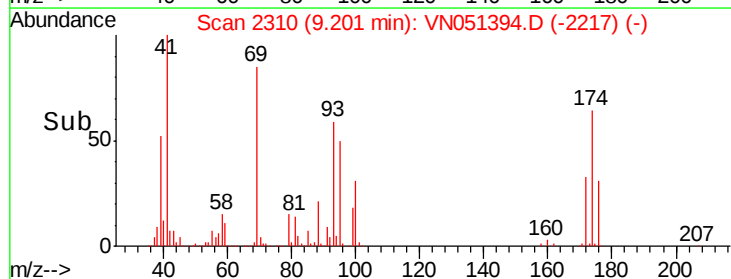
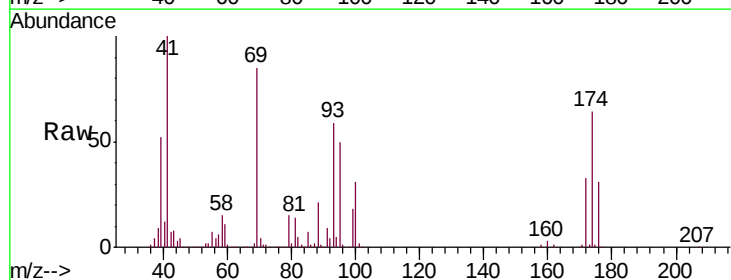
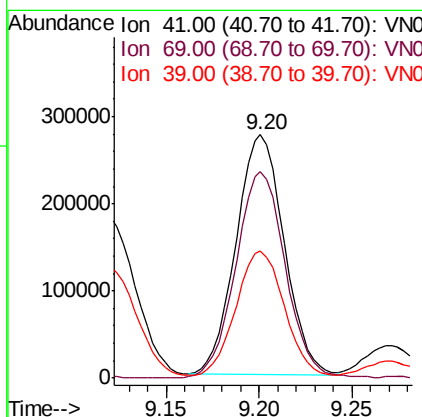
Manual Integrations
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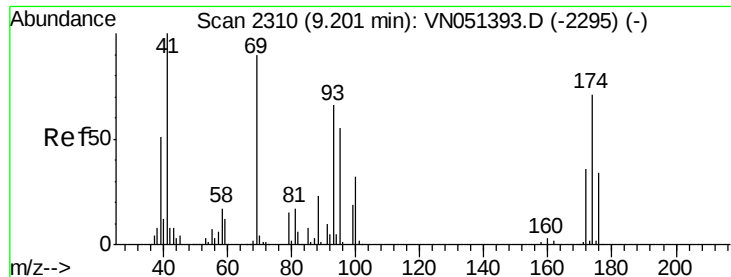
MMDadoda
9/24/2018 2:15:20 PM



#48
Methyl methacrylate
Concen: 108.379 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.0	70.4	105.6
39	54.1	43.8	65.8





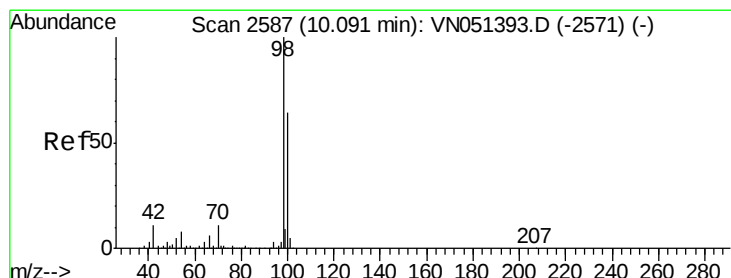
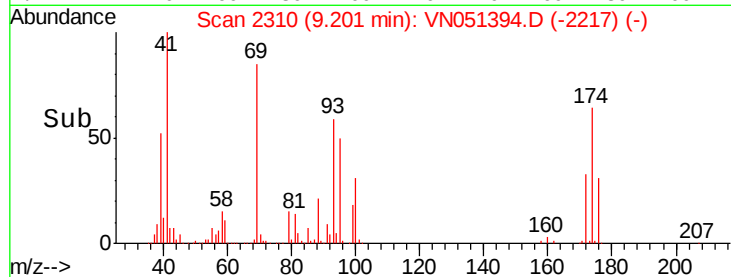
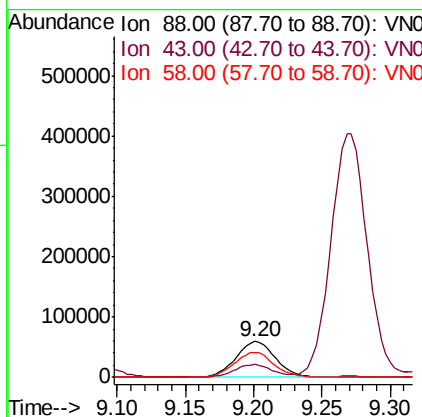
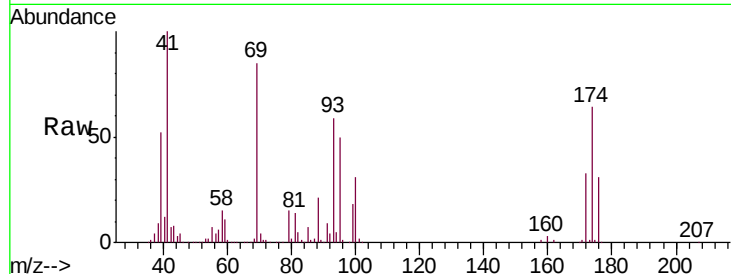
#49
1,4-Dioxane
Concen: 2128.606 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	120406		
43	33.8	25.9	38.9	
58	70.6	57.0	85.4	

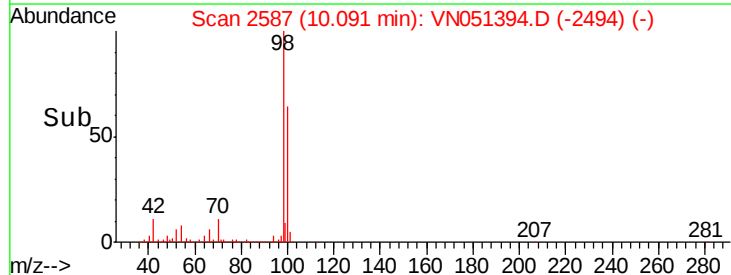
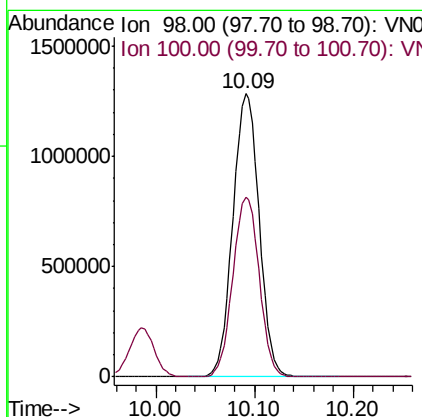
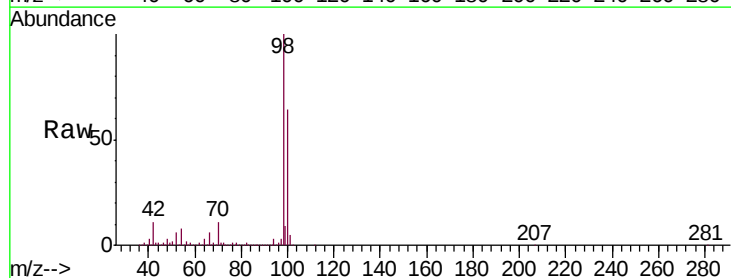
Manual Integrations
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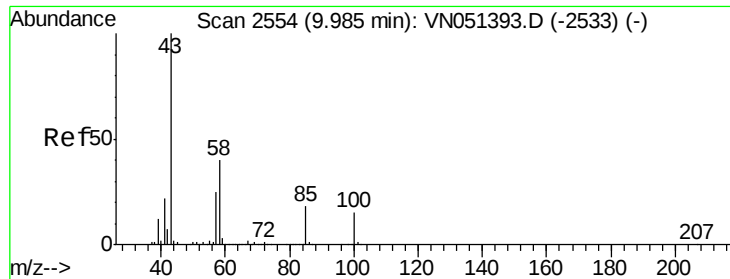
MMDadoda
9/24/2018 2:15:20 PM



#50
Toluene-d8
Concen: 102.513 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.6	75.8





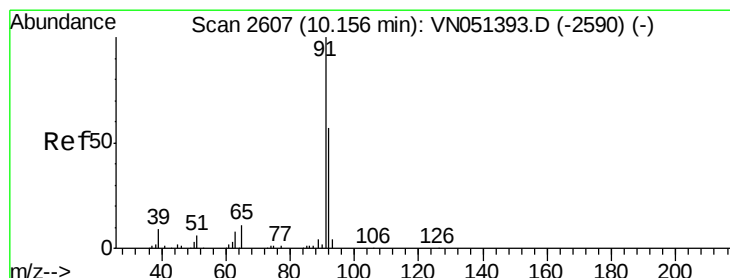
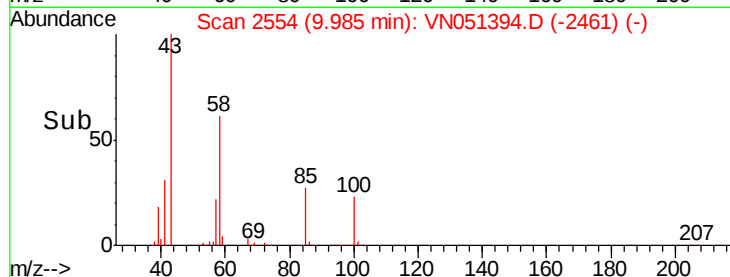
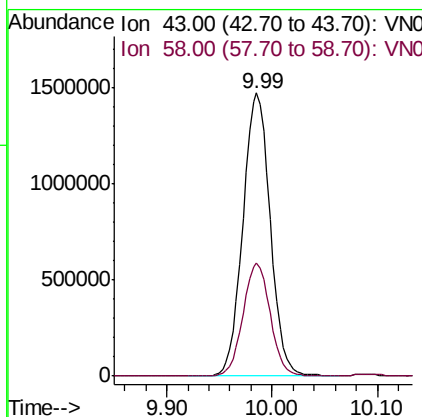
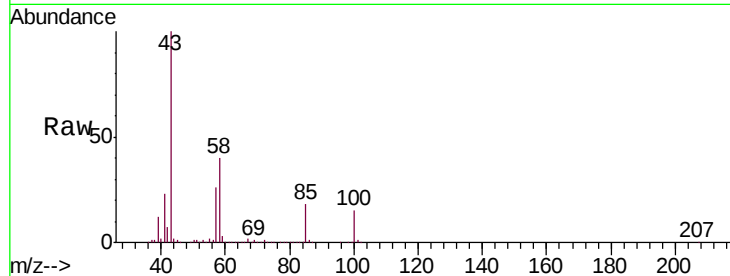
#51
 4-Methyl-2-Pentanone
 Concen: 519.520 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 43 Resp: 2645043
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.5 47.3

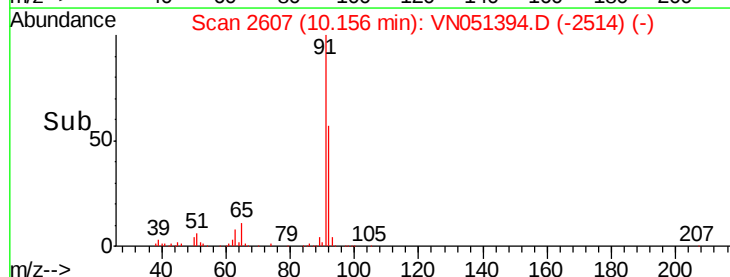
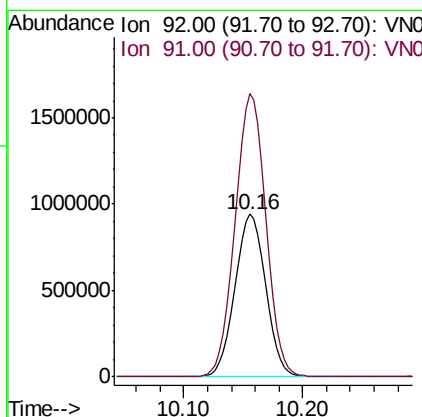
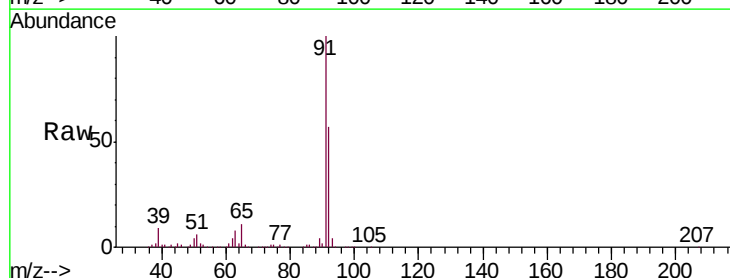
Manual Integrations
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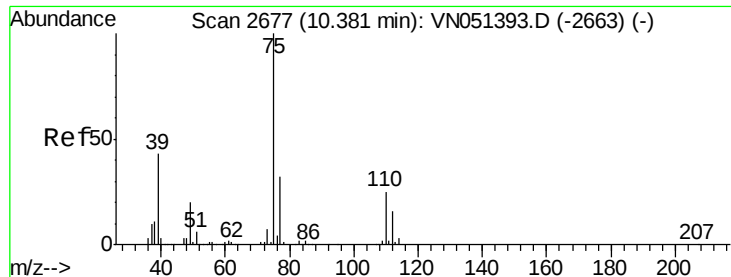
MMDadoda
 9/24/2018 2:15:20 PM



#52
 Toluene
 Concen: 103.762 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Tgt Ion: 92 Resp: 1685917
 Ion Ratio Lower Upper
 92 100
 91 175.1 142.2 213.4





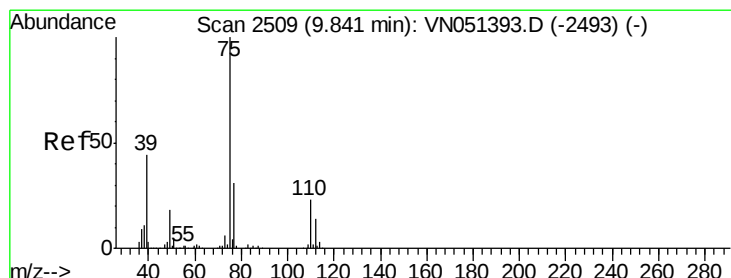
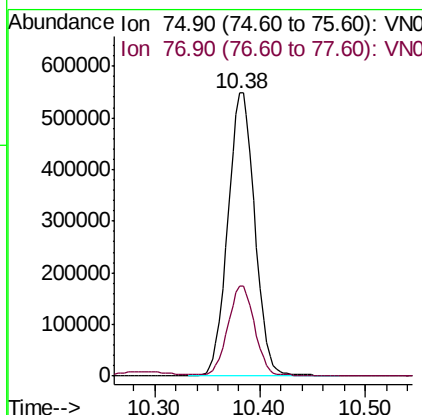
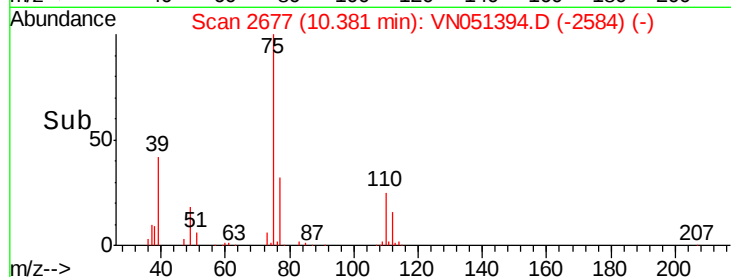
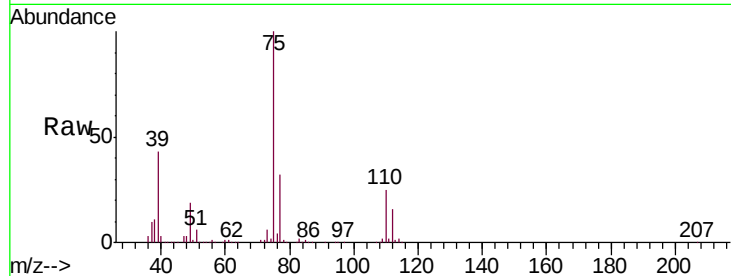
#53
t-1,3-Dichloropropene
Concen: 108.081 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion: 75 Resp: 969647
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.8

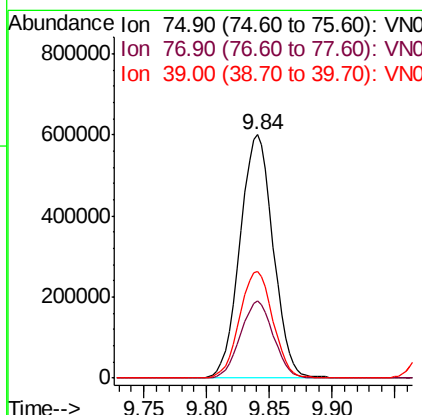
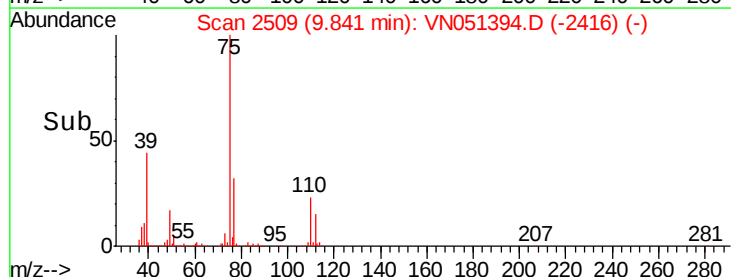
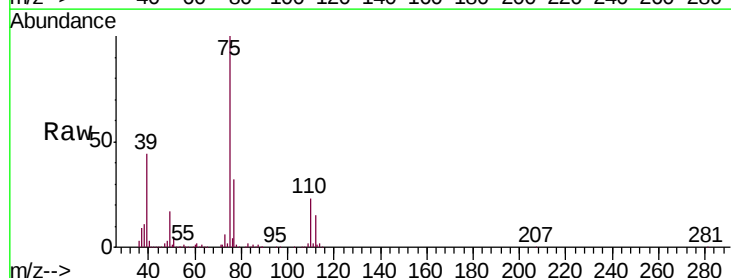
Manual Integrations
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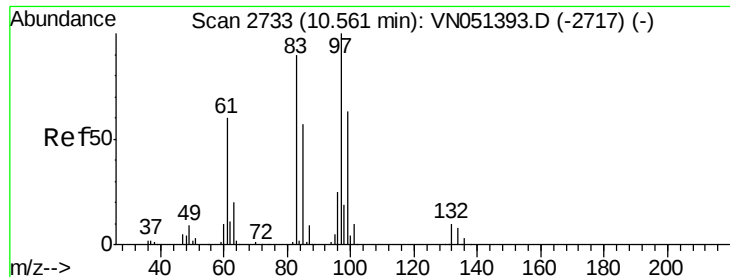
MMDadoda
9/24/2018 2:15:20 PM



#54
cis-1,3-Dichloropropene
Concen: 106.297 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Tgt Ion: 75 Resp: 1105918
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 43.9 35.4 53.2





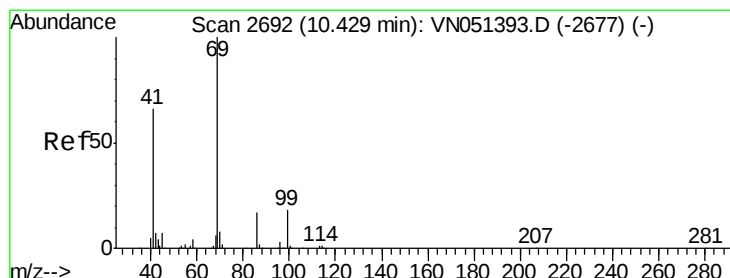
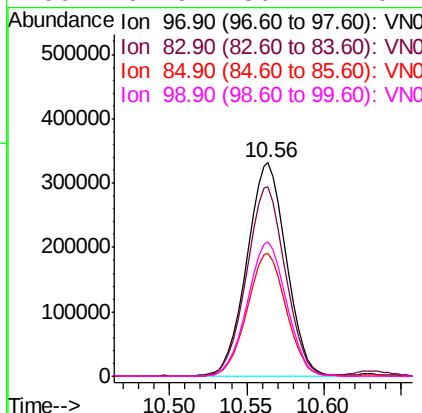
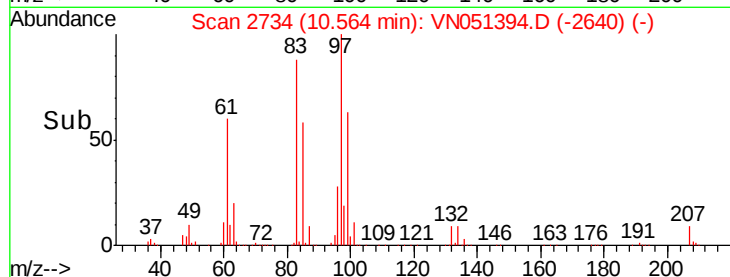
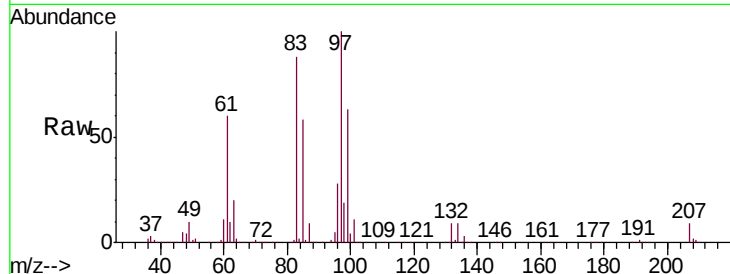
#55
 1,1,2-Trichloroethane
 Concen: 102.519 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.4	72.0	108.0	
85	57.8	45.2	67.8	
99	62.9	50.7	76.1	

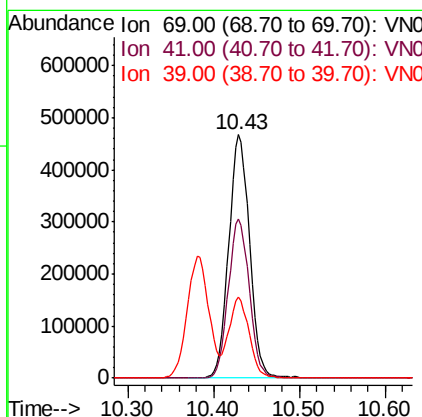
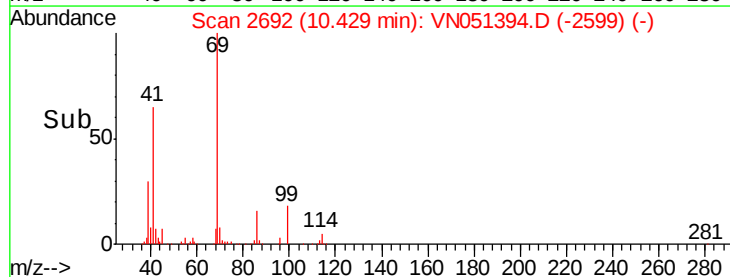
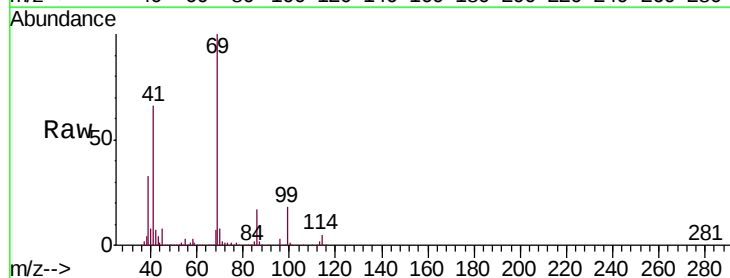
Manual Integrations
 APPROVED

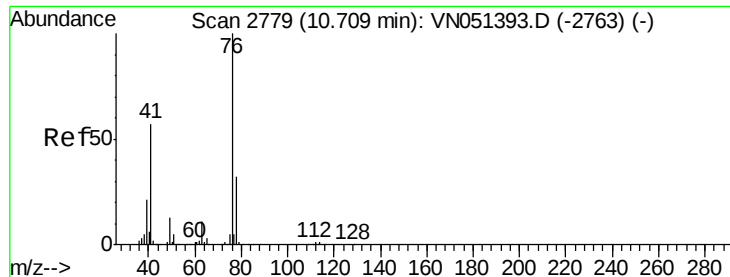
MMDadoda
 9/24/2018 2:15:20 PM



#56
 Ethyl methacrylate
 Concen: 111.893 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	65.4	52.4	78.6	
39	32.7	26.3	39.5	





#57

1,3-Dichloropropane

Concen: 103.863 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 1022245

Ion Ratio Lower Upper

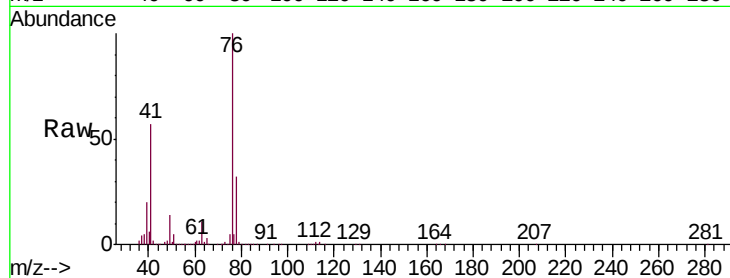
76 100

78 32.2 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

9/24/2018 2:15:20 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

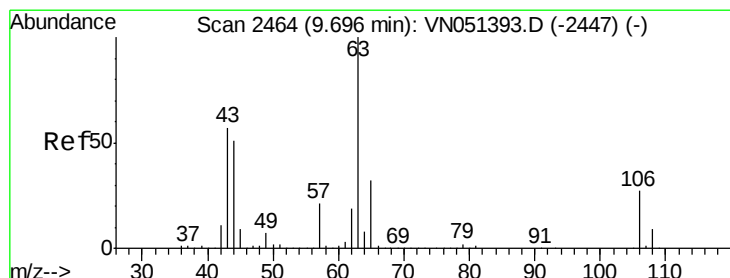
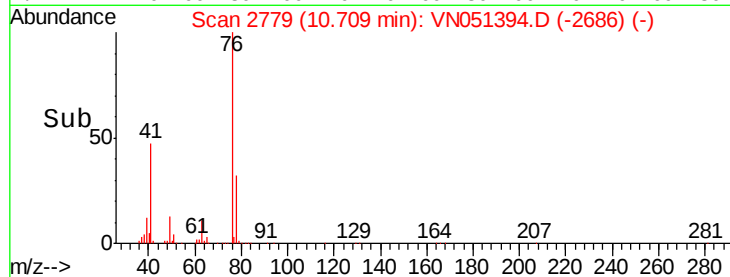
600000

400000

200000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 504.536 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051394.D

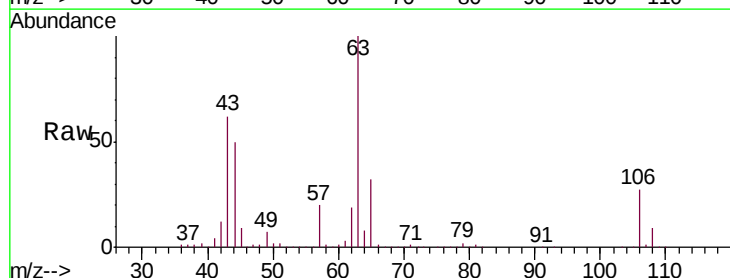
Acq: 22 Sep 2018 13:31

Tgt Ion: 63 Resp: 2002726

Ion Ratio Lower Upper

63 100

106 26.8 21.4 32.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

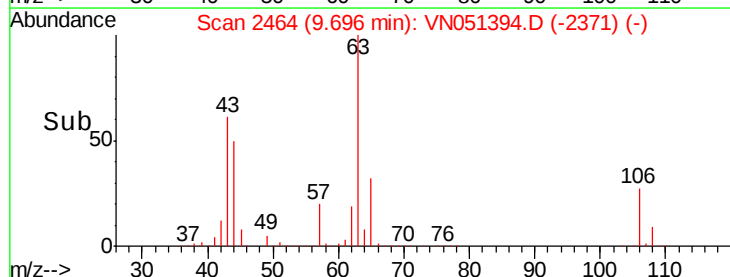
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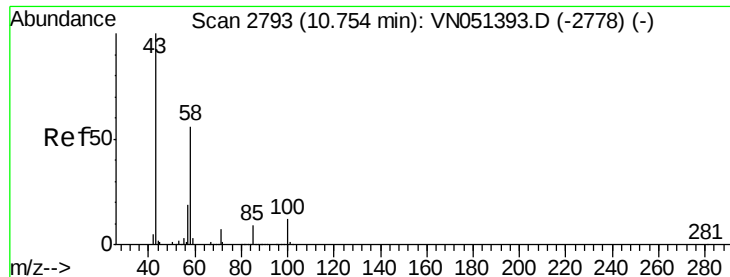
1000000

500000

0

Time-->





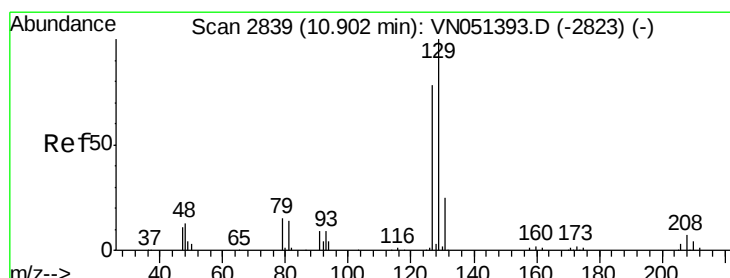
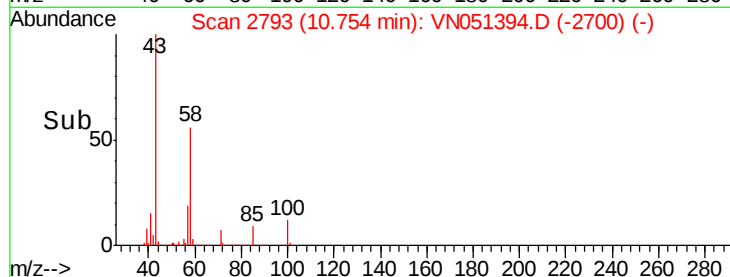
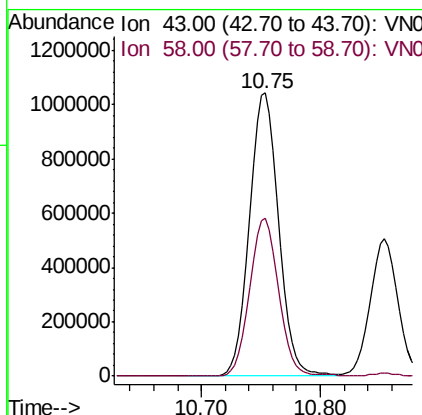
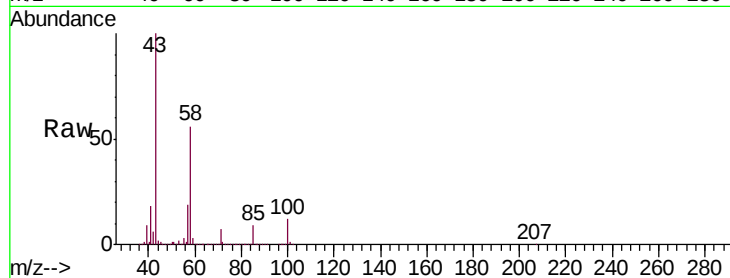
#59
2-Hexanone
Concen: 537.174 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 1772952
Ion Ratio Lower Upper
43 100
58 55.5 27.7 83.0

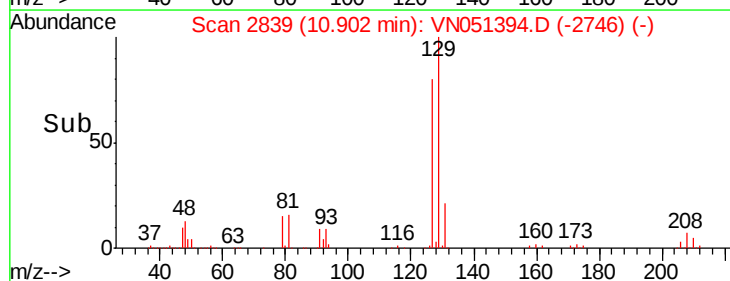
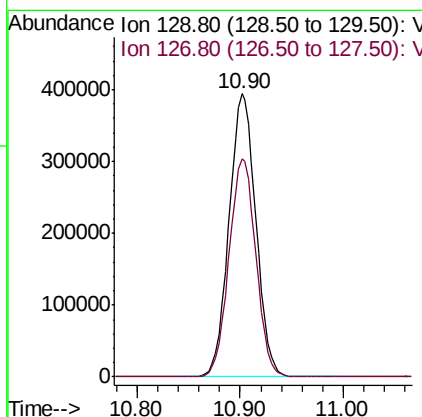
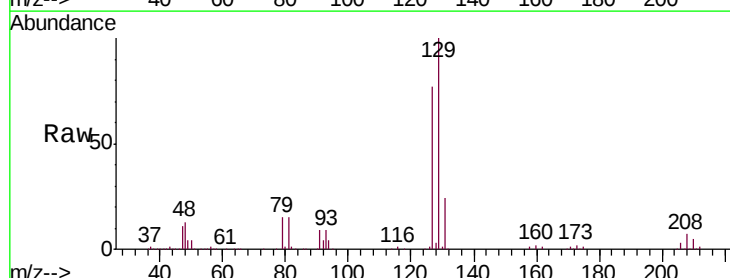
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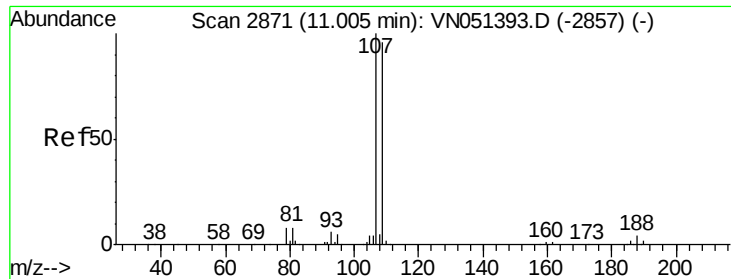
MMDadoda
9/24/2018 2:15:20 PM



#60
Dibromochloromethane
Concen: 105.385 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Tgt Ion: 129 Resp: 713999
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0





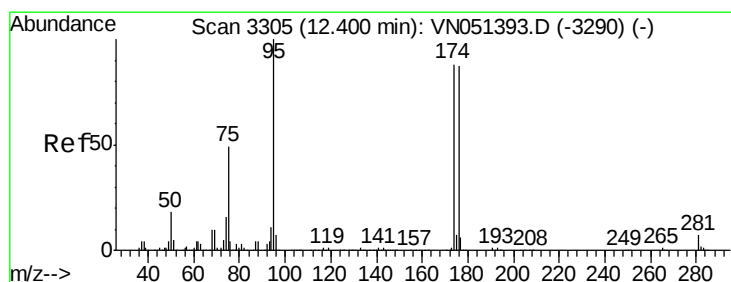
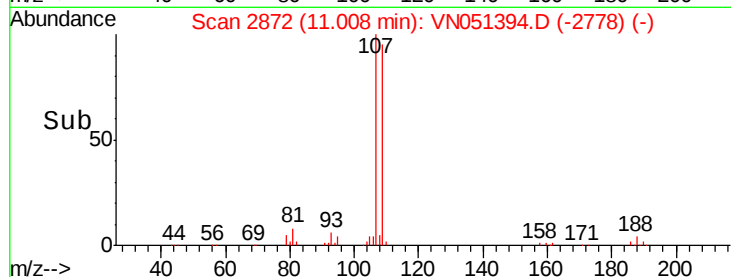
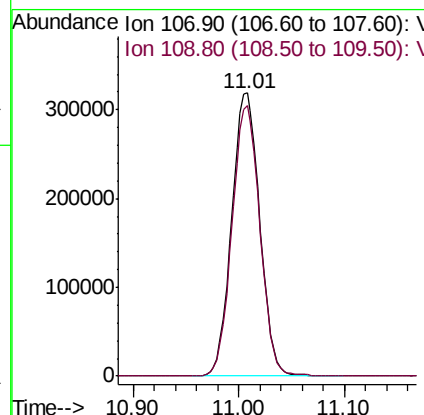
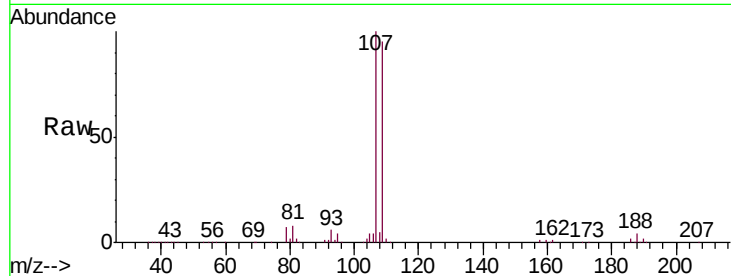
#61
 1,2-Dibromoethane
 Concen: 105.025 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.3	114.5

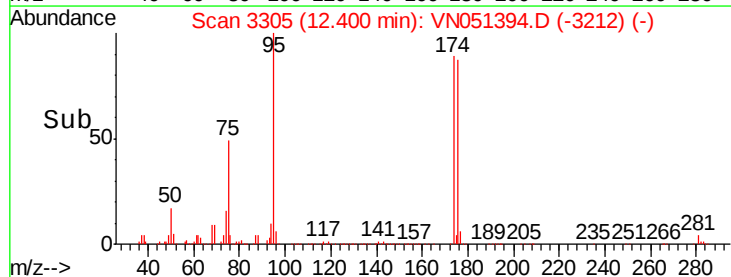
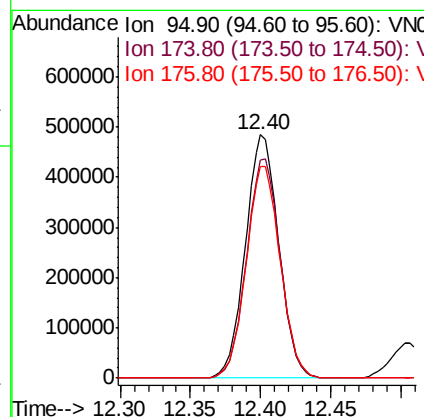
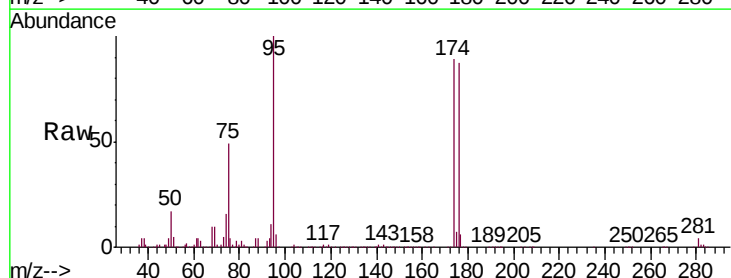
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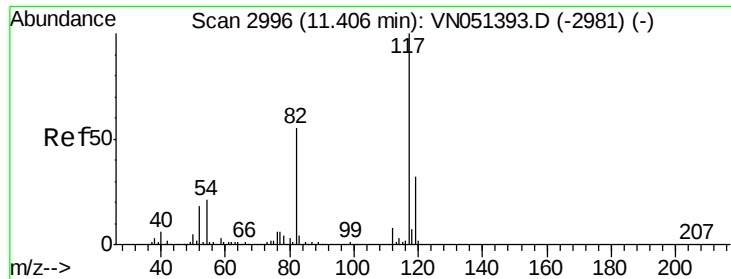
MMDadoda
 9/24/2018 2:15:20 PM



#62
 4-Bromofluorobenzene
 Concen: 107.483 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.8	0.0	181.6
176	88.5	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: VN051394.D

Acq: 22 Sep 2018 13:31

Instrument :

MSVOA_N

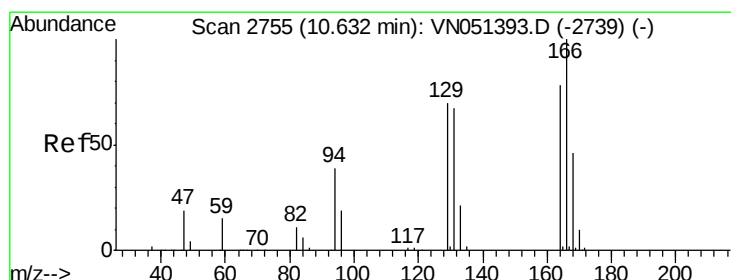
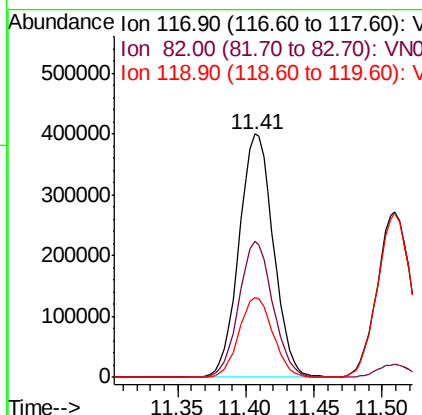
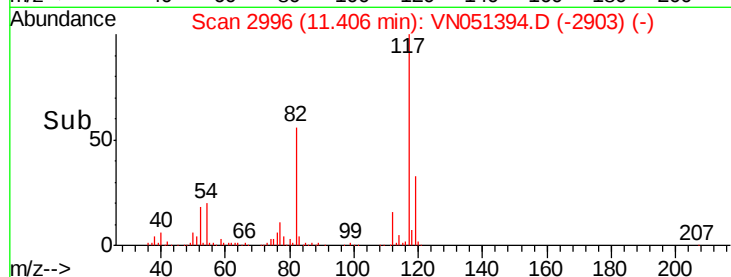
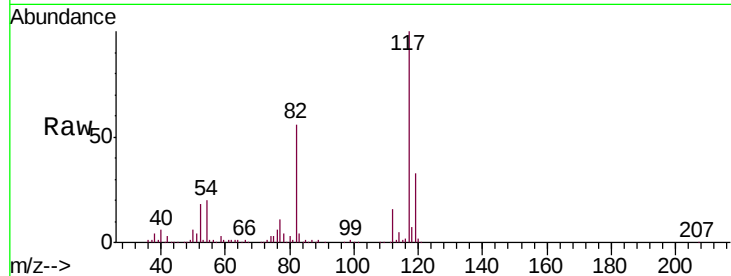
ClientSampleId :

VSTDIC100

Tgt Ion:	117	Resp:	702181
Ion Ratio	Lower	Upper	
117	100		
82	55.9	44.2	66.2
119	32.9	25.9	38.9

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#64

Tetrachloroethene

Concen: 100.508 ug/l

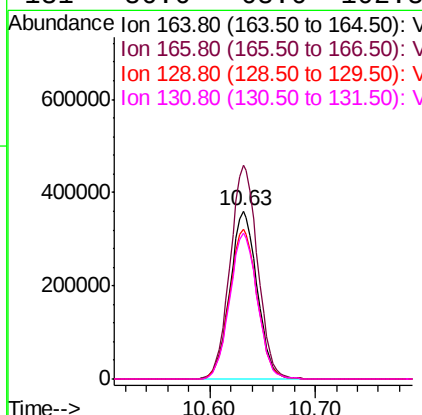
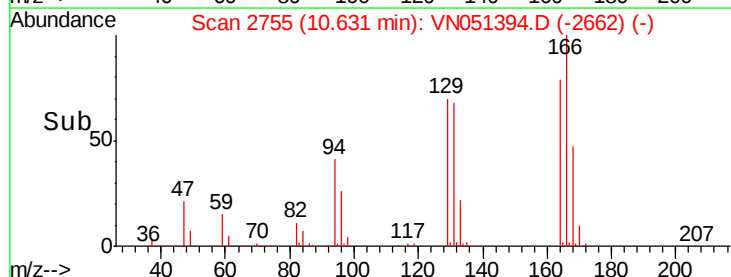
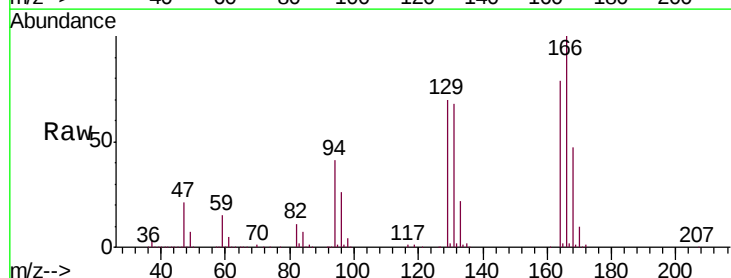
RT: 10.63 min Scan# 2755

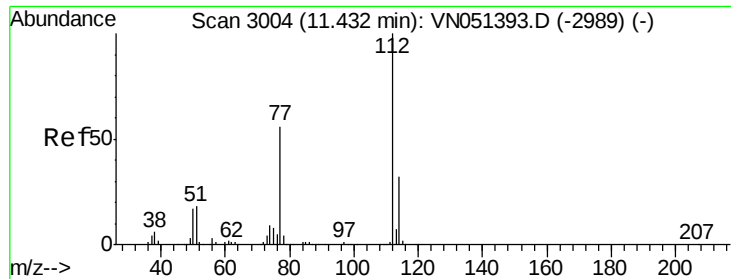
Delta R.T. -0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Tgt Ion:	164	Resp:	640501
Ion Ratio	Lower	Upper	
164	100		
166	127.1	102.3	153.5
129	89.5	71.8	107.8
131	86.6	68.6	102.8





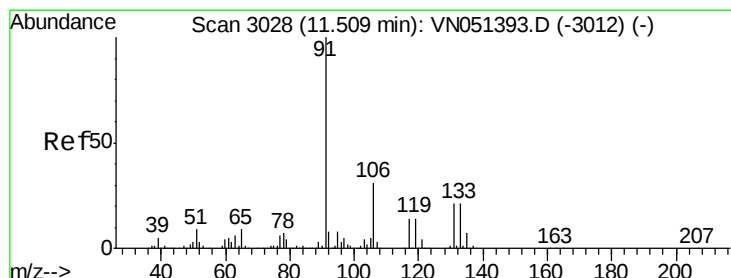
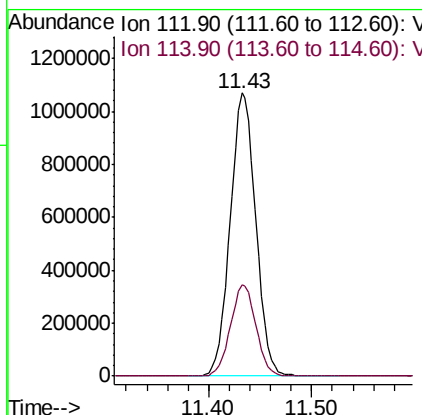
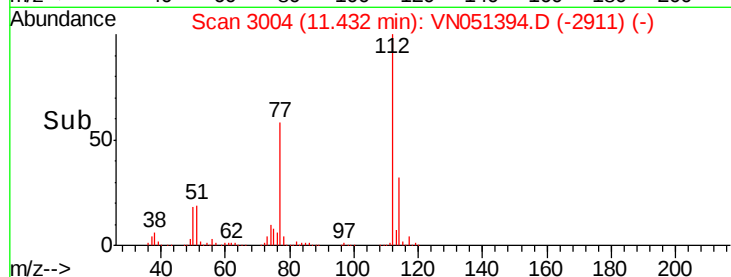
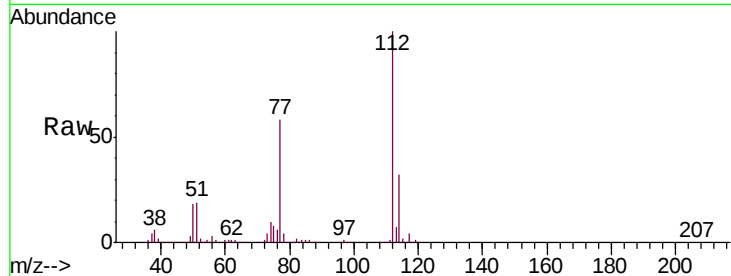
#65
Chlorobenzene
Concen: 102.567 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:112 Resp: 1847811
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.2

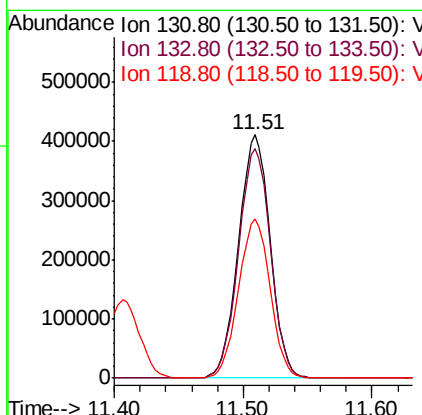
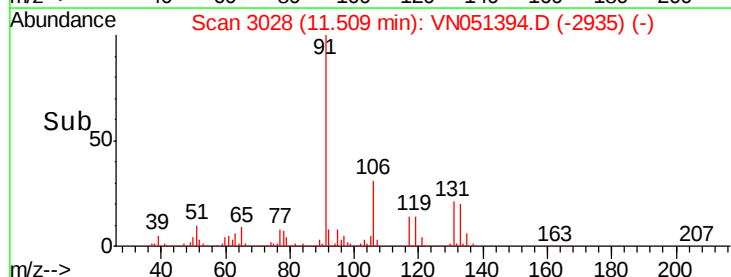
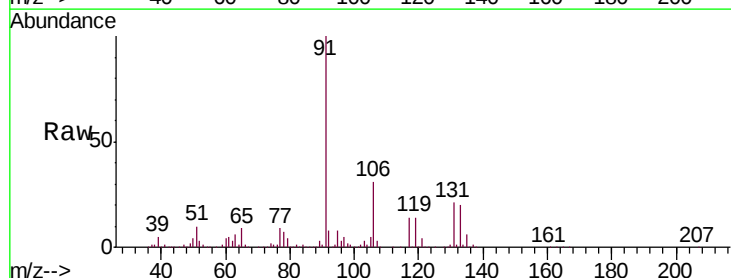
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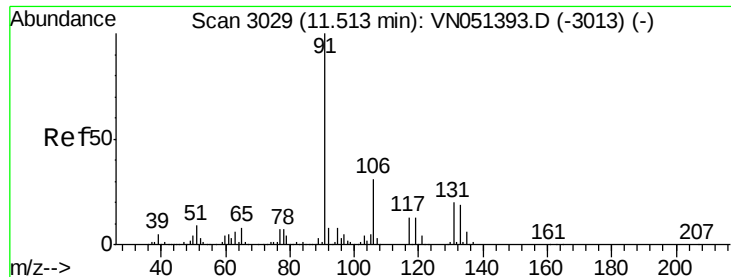
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#66
1,1,1,2-Tetrachloroethane
Concen: 102.369 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Tgt Ion:131 Resp: 702637
Ion Ratio Lower Upper
131 100
133 95.2 48.3 144.8
119 65.6 32.8 98.4





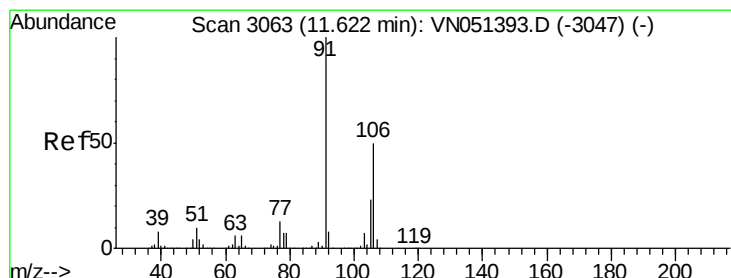
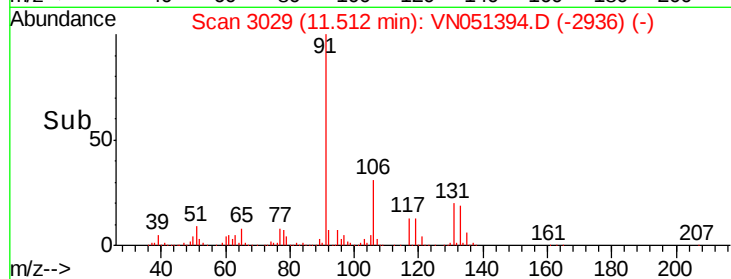
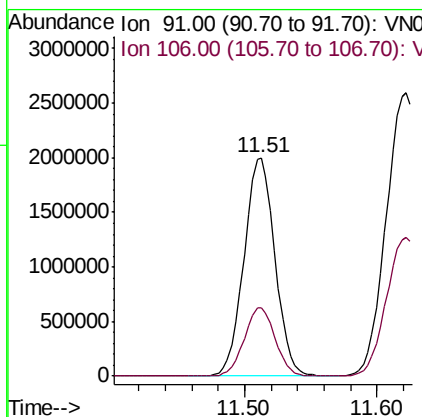
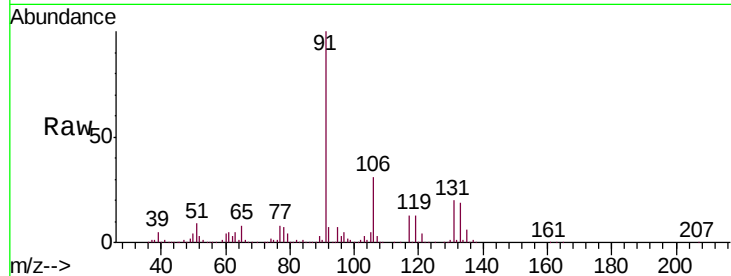
#67
Ethyl Benzene
Concen: 106.600 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion: 91 Resp: 3236538
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4

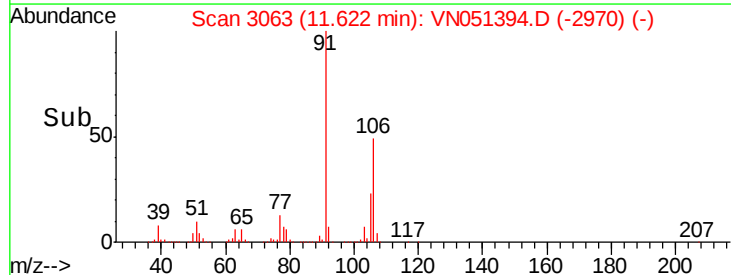
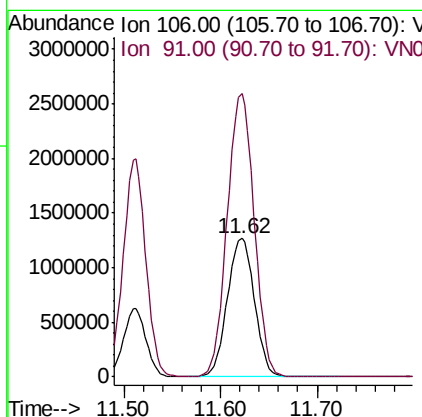
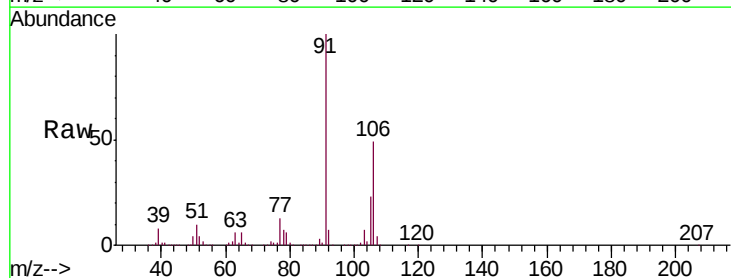
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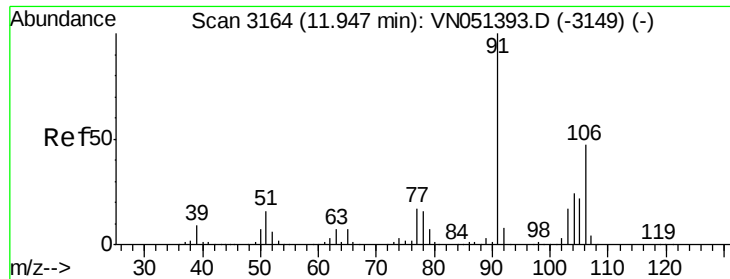
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#68
m/p-Xylenes
Concen: 210.028 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Tgt Ion: 106 Resp: 2466556
Ion Ratio Lower Upper
106 100
91 203.5 161.3 241.9





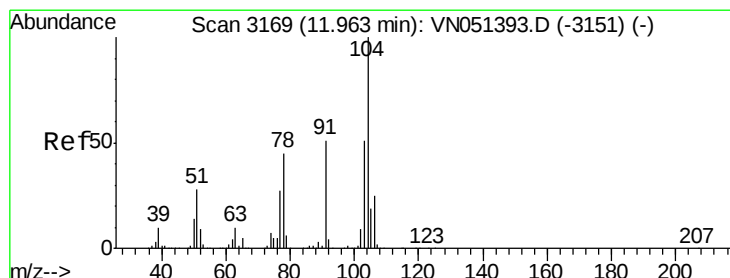
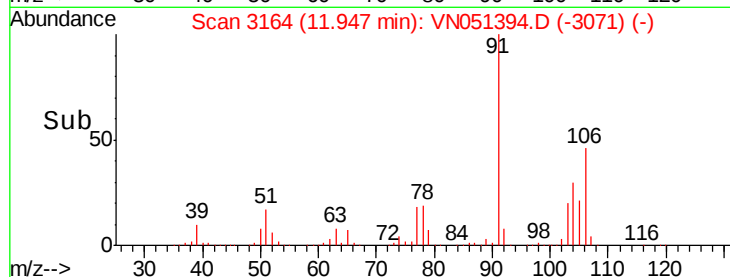
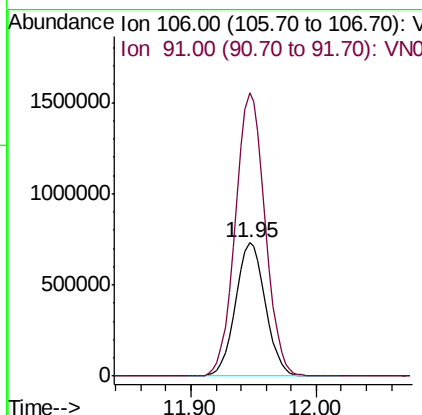
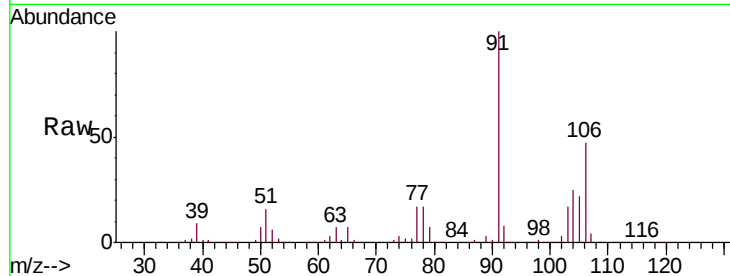
#69
o-Xylene
Concen: 106.723 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 1204895
Ion Ratio Lower Upper
106 100
91 211.7 105.3 315.9

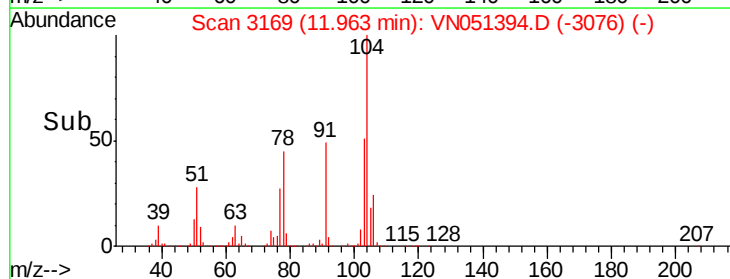
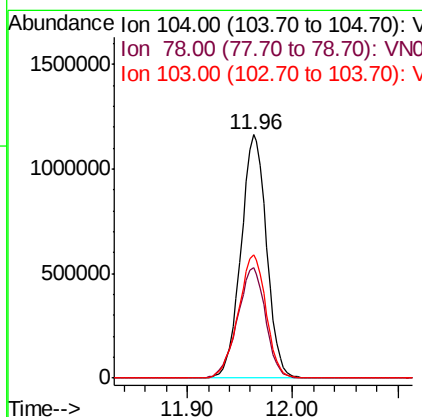
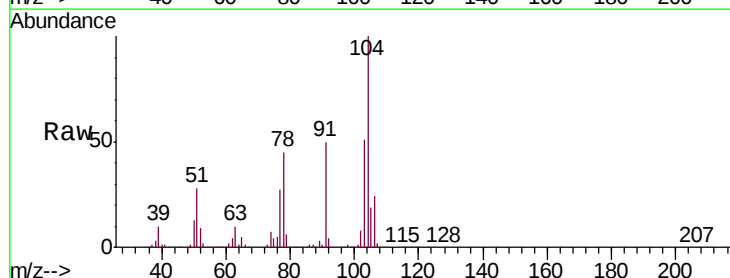
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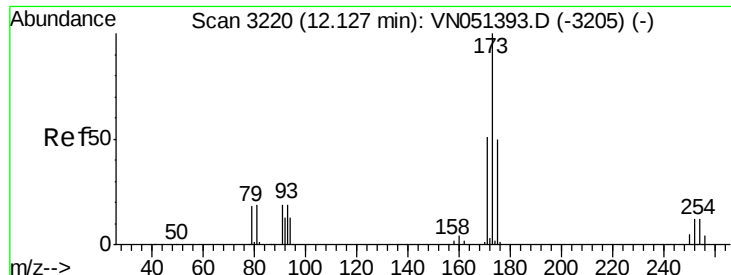
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#70
Styrene
Concen: 109.606 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Tgt Ion:104 Resp: 1960852
Ion Ratio Lower Upper
104 100
78 49.8 39.9 59.9
103 55.1 44.6 66.8





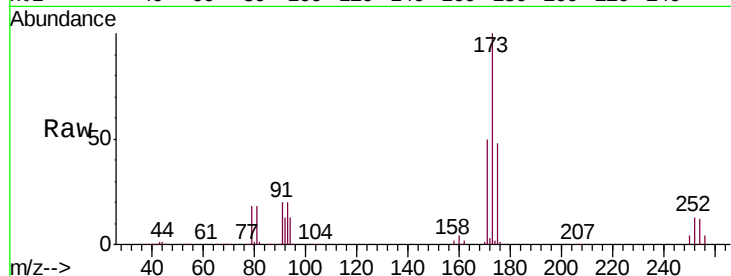
#71
Bromoform
Concen: 106.855 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

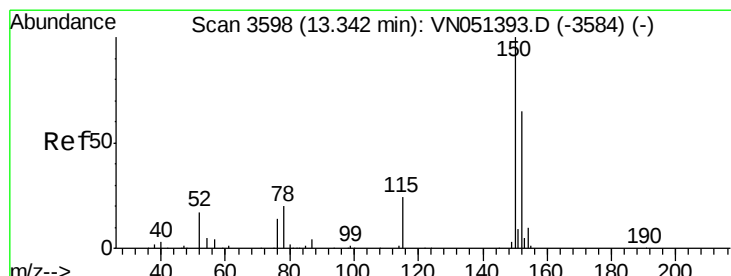
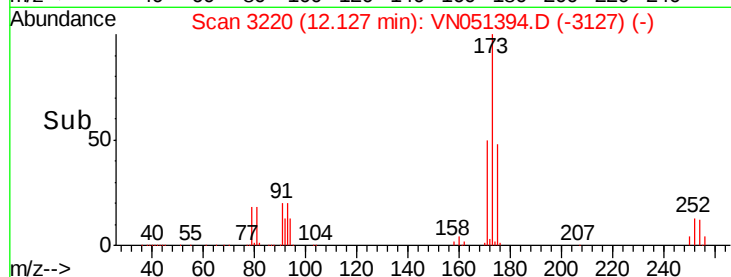
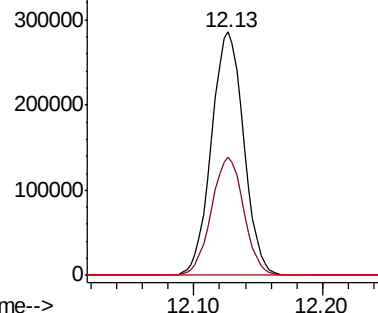
Tgt Ion	Ratio	Resp	Lower	Upper
173	100	497666		
175	48.6	24.8	74.3	
254	0.2	0.2	0.2	

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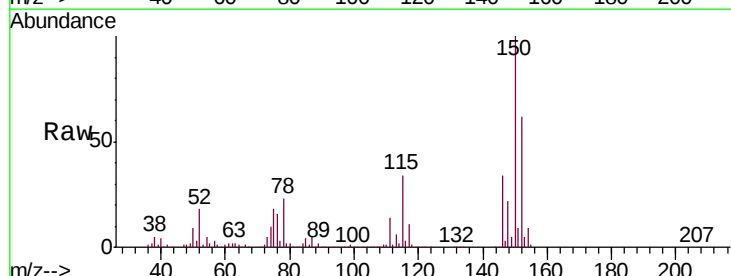


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

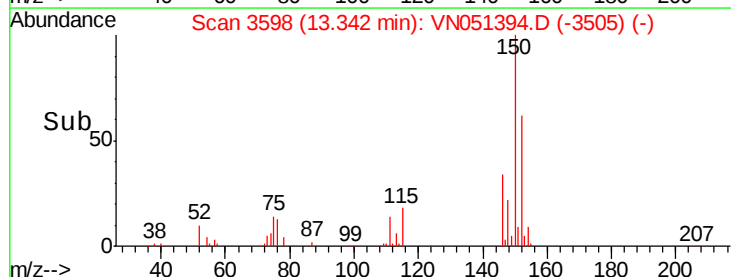
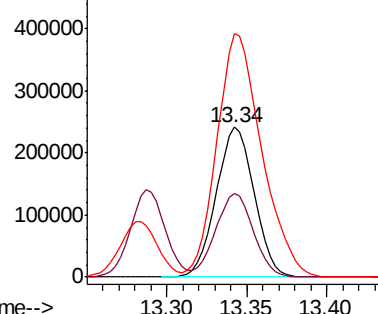


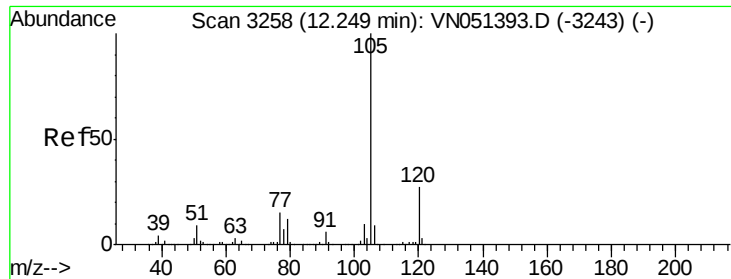
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	390240		
115	55.1	28.3	84.9	
150	193.1	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: 98.128 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 105 Resp: 3230981

Ion Ratio Lower Upper

105 100

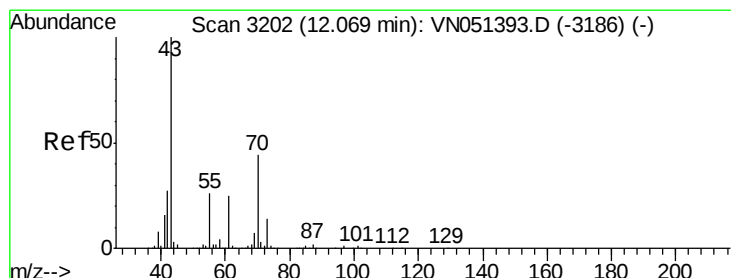
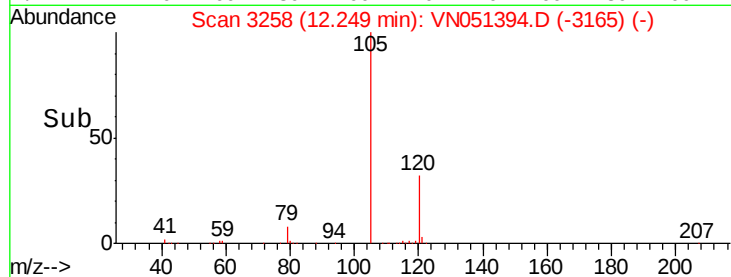
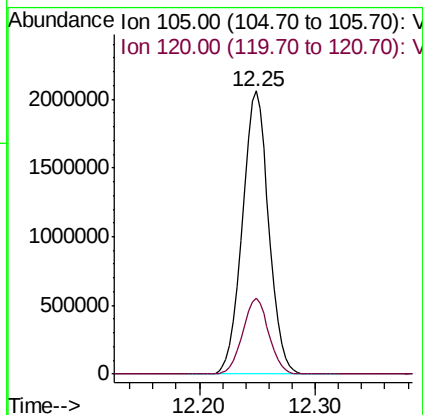
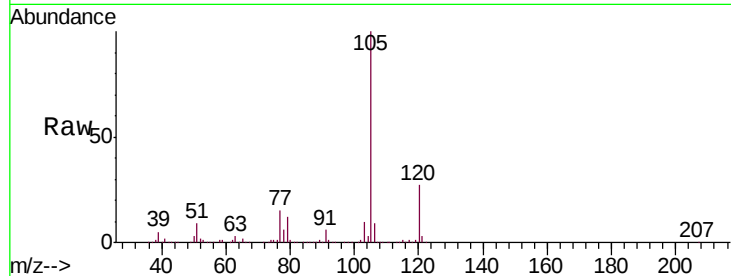
120 26.8 13.3 39.8

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#74

N-ethyl acetate

Concen: 103.900 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Tgt Ion: 43 Resp: 858350

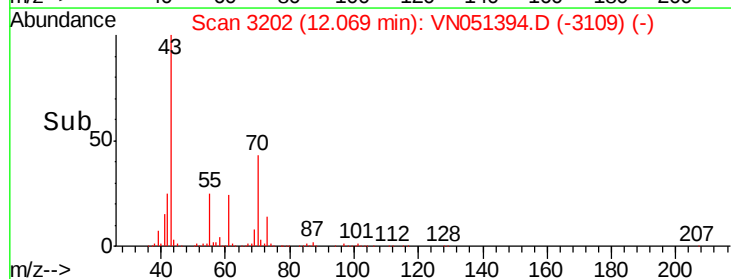
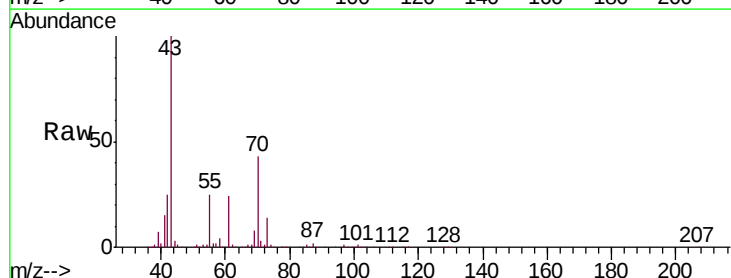
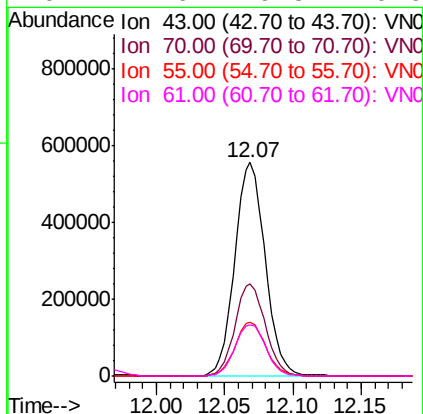
Ion Ratio Lower Upper

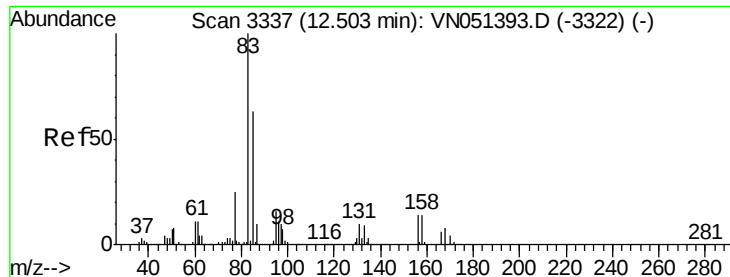
43 100

70 43.1 35.0 52.4

55 25.6 21.4 32.2

61 24.6 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 95.351 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Instrument :

MSVOA_N

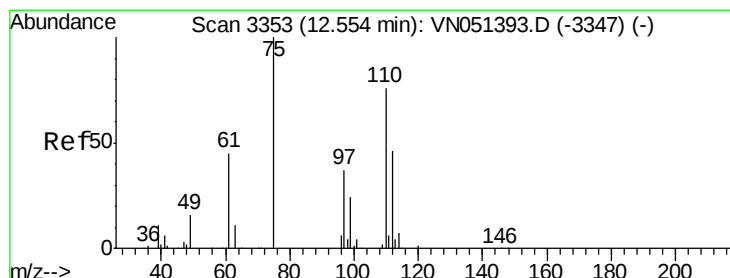
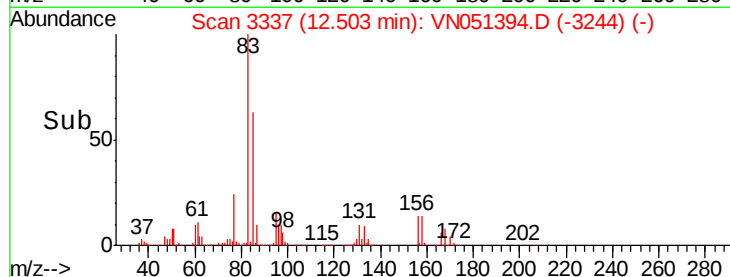
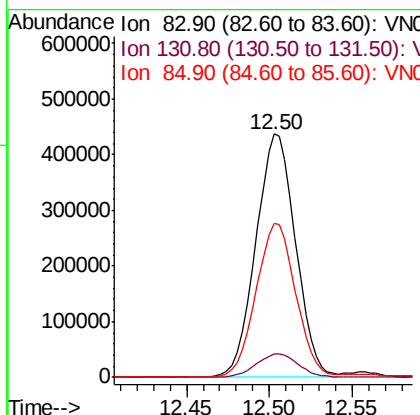
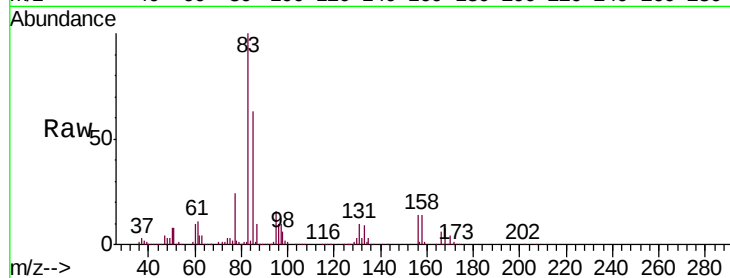
ClientSampleId :

VSTDIC100

Tgt Ion:	83	Resp:	732109
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.9
85	63.1	31.6	95.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 94.158 ug/l m

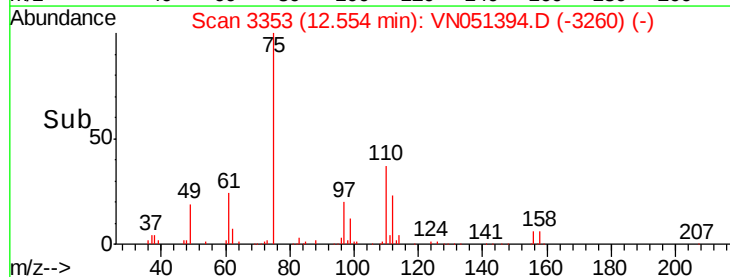
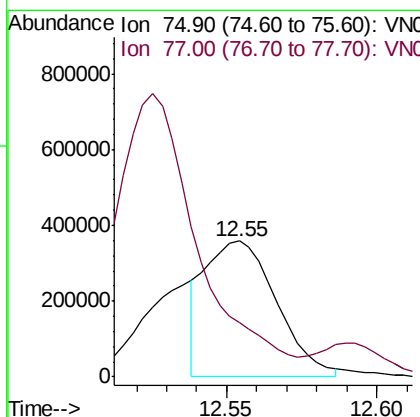
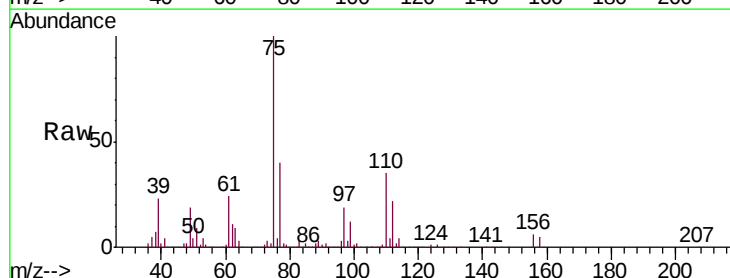
RT: 12.55 min Scan# 3353

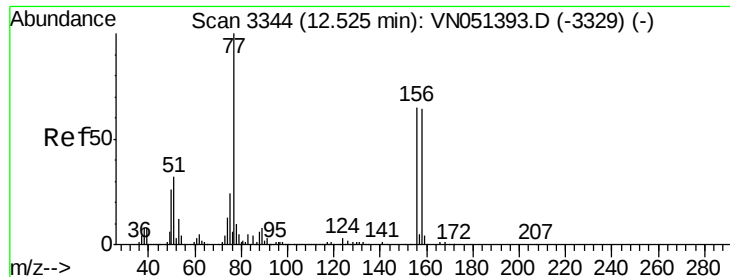
Delta R.T. -0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Tgt Ion:	75	Resp:	592728
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





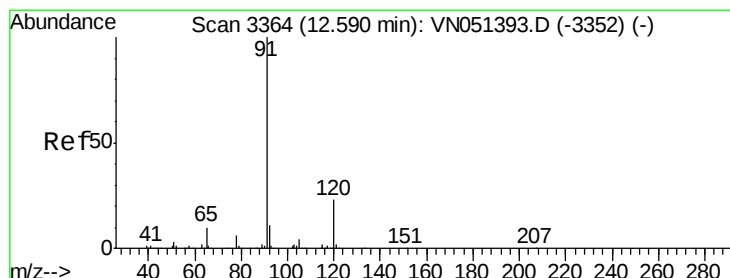
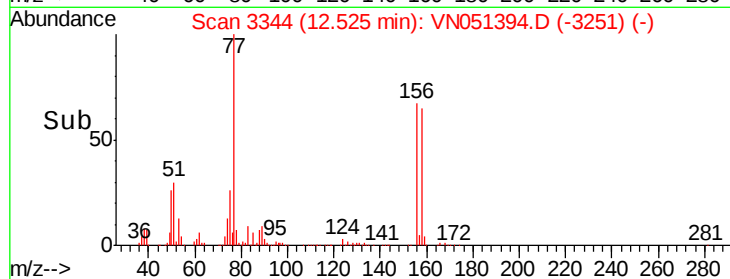
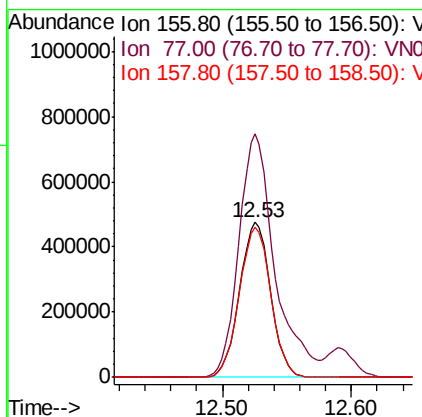
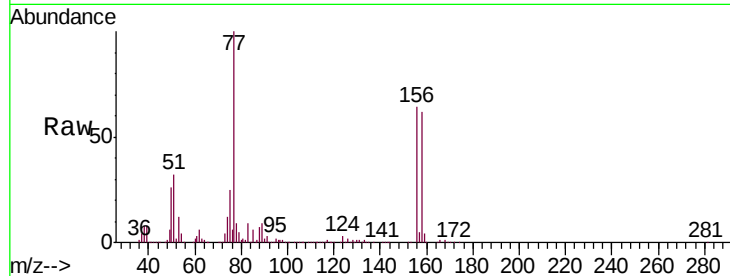
#77
Bromobenzene
Concen: 95.725 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
156	100		
77	181.5	89.5	268.4
158	98.0	49.4	148.2

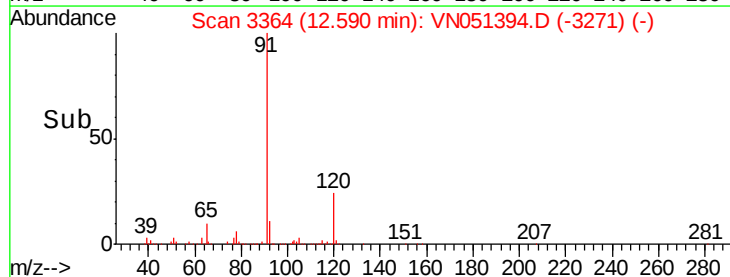
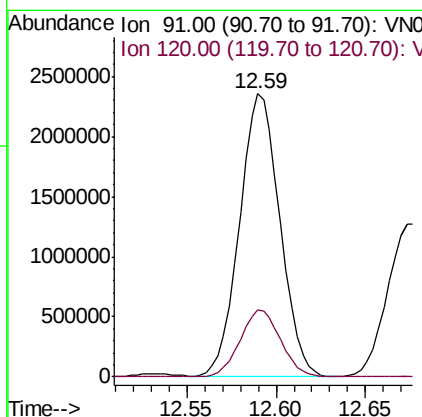
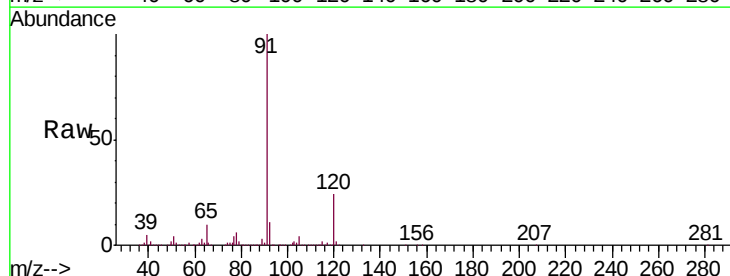
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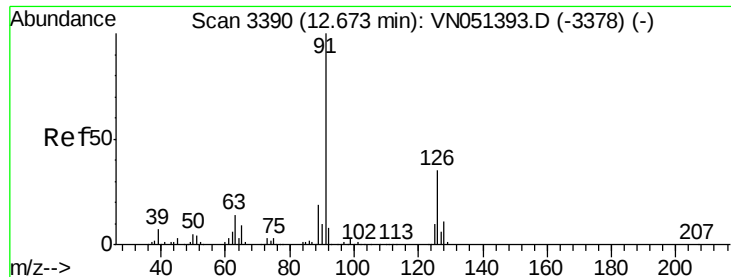
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#78
n-propylbenzene
Concen: 100.101 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 97.211 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tgt Ion: 91 Resp: 2159296

Ion Ratio Lower Upper

91 100

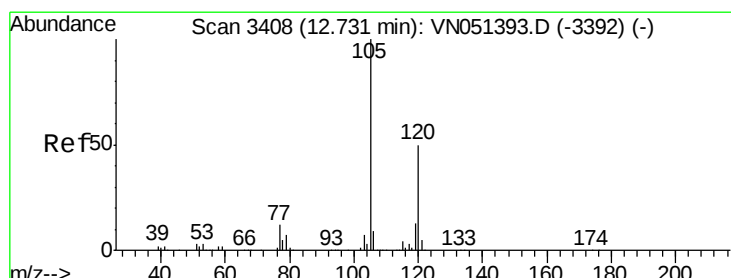
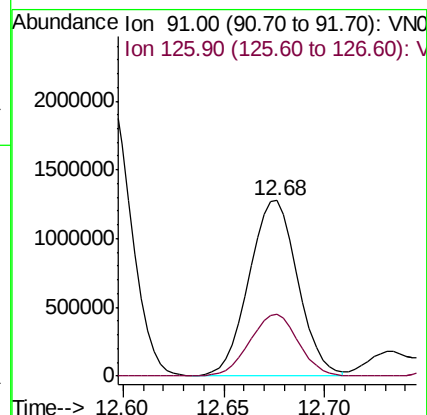
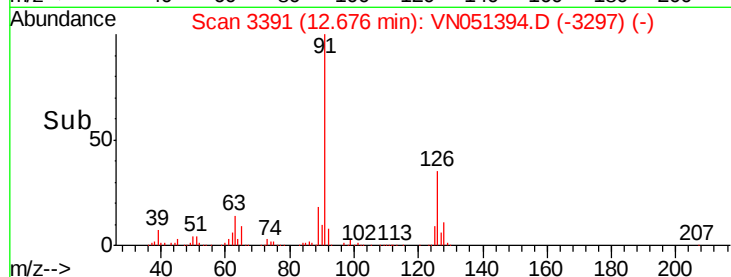
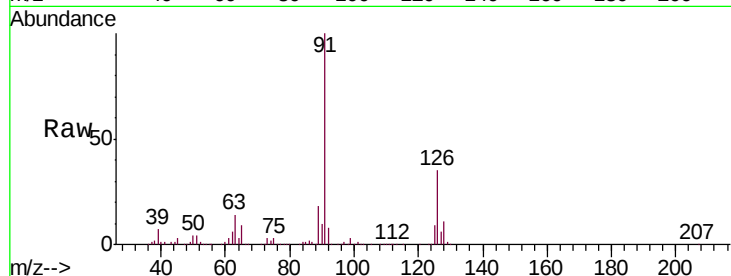
126 35.2 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 99.289 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051394.D

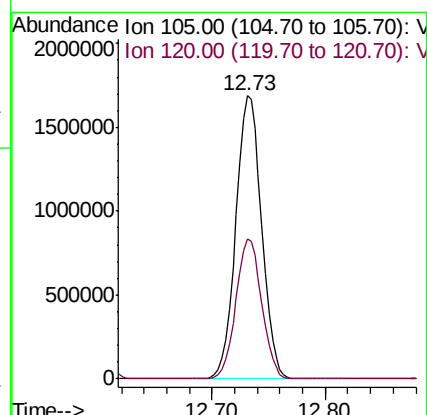
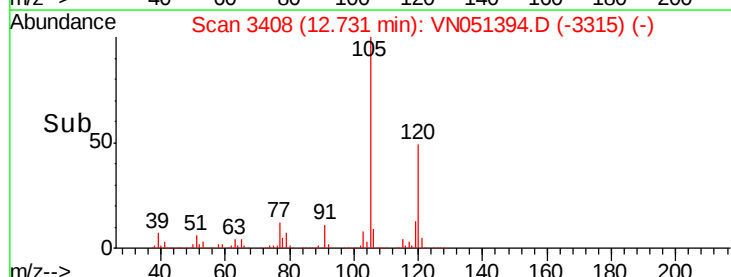
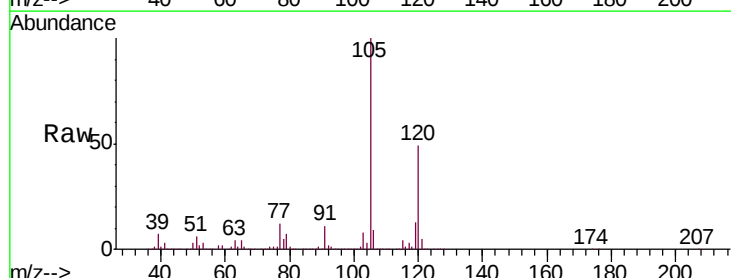
Acq: 22 Sep 2018 13:31

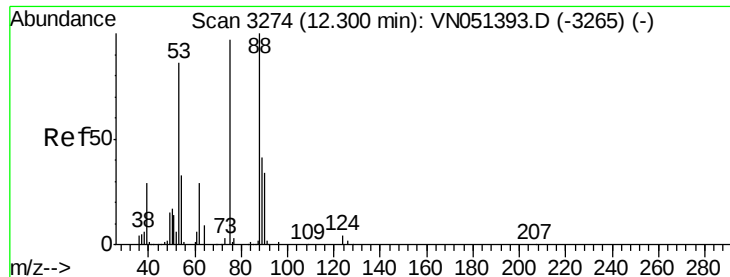
Tgt Ion: 105 Resp: 2665729

Ion Ratio Lower Upper

105 100

120 49.5 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 104.304 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Instrument :

MSVOA_N

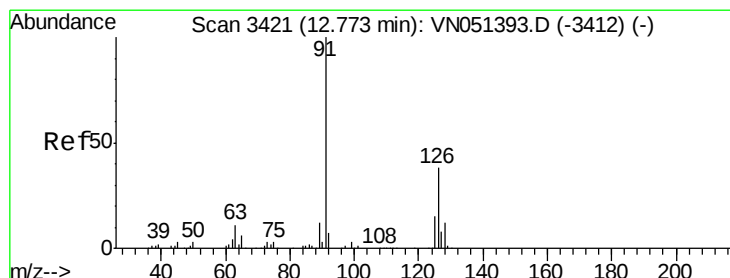
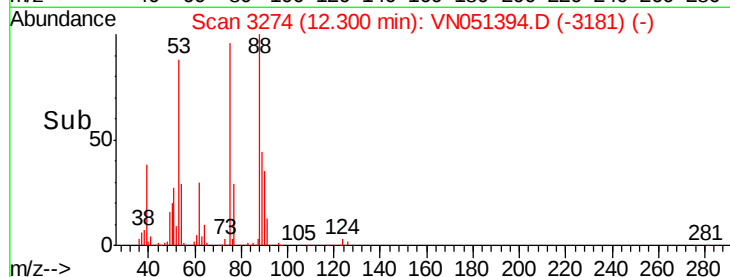
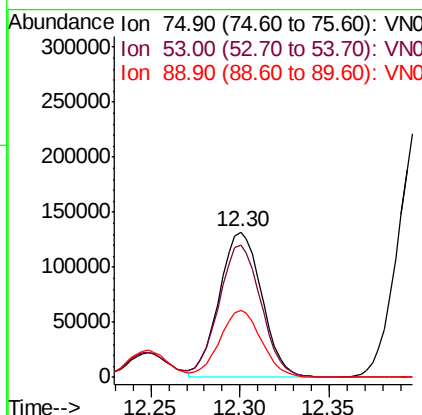
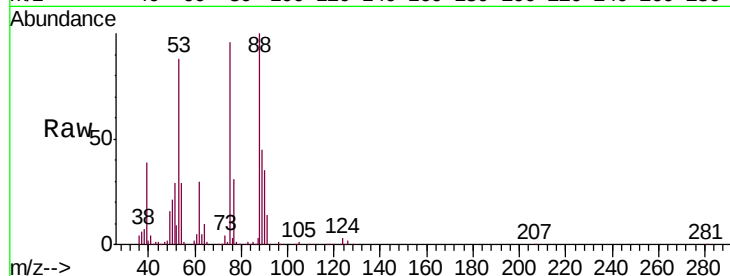
ClientSampled :

VSTDIC100

Tgt Ion:	75	Resp:	219746
Ion	Ratio	Lower	Upper
75	100		
53	91.1	73.9	110.9
89	45.5	36.7	55.1

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#82

4-Chlorotoluene

Concen: 98.967 ug/l

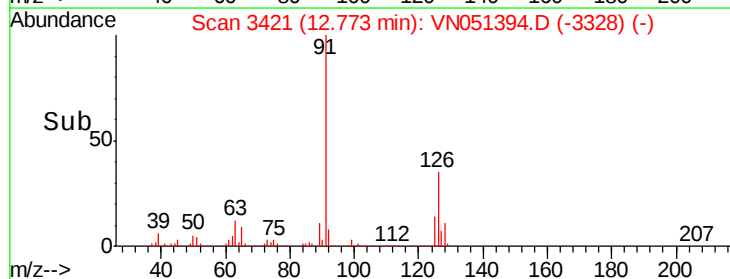
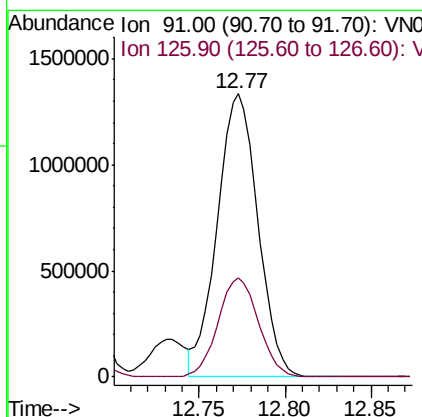
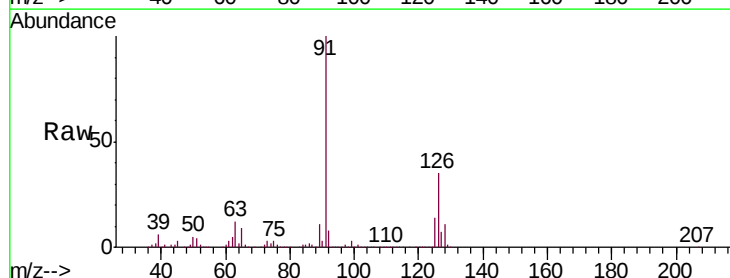
RT: 12.77 min Scan# 3421

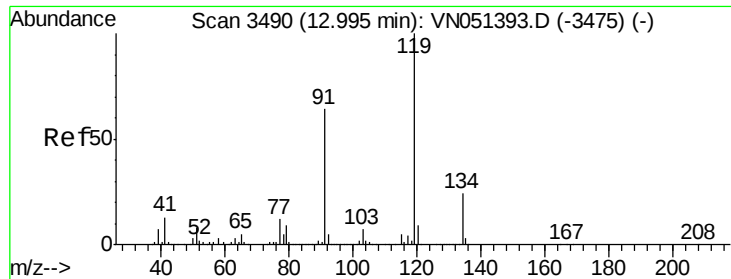
Delta R.T. -0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Tgt Ion:	91	Resp:	2194124
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.5	52.5





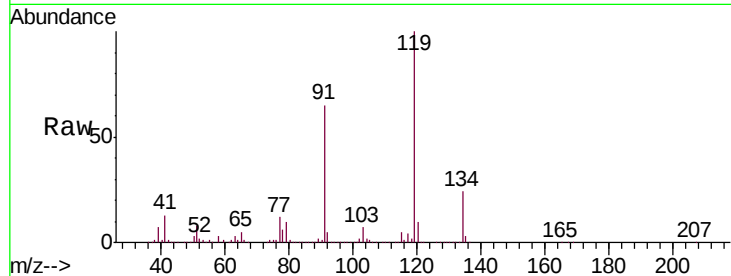
#83
 tert-Butylbenzene
 Concen: 98.218 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

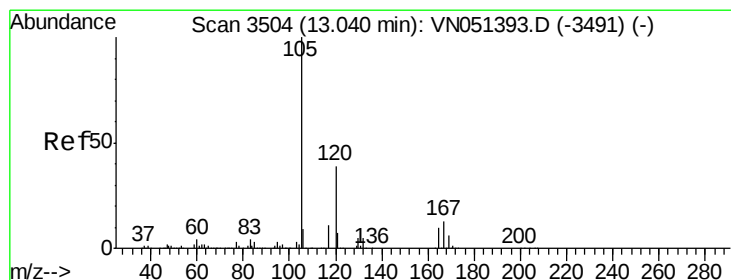
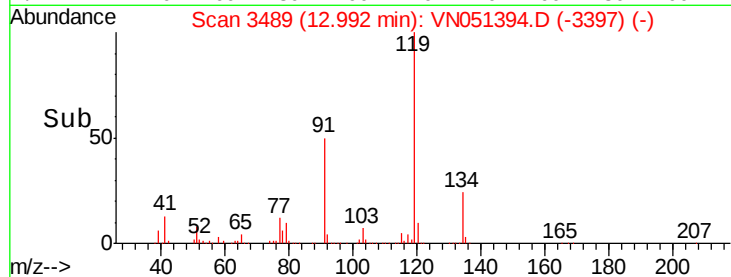
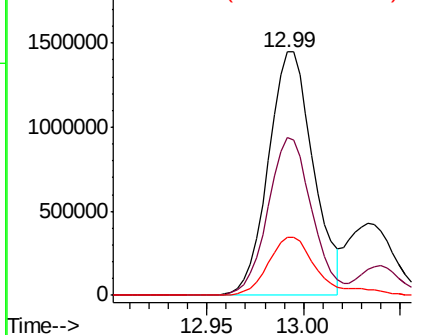
Tgt Ion:119 Resp: 2347119
 Ion Ratio Lower Upper
 119 100
 91 63.3 31.7 95.1
 134 26.3 12.3 36.9

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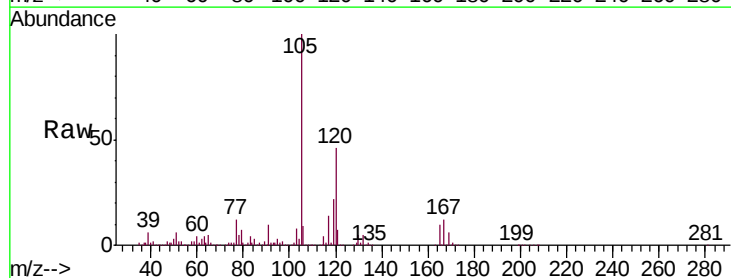


Abundance Ion 119.00 (118.70 to 119.70): V
 2000000
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

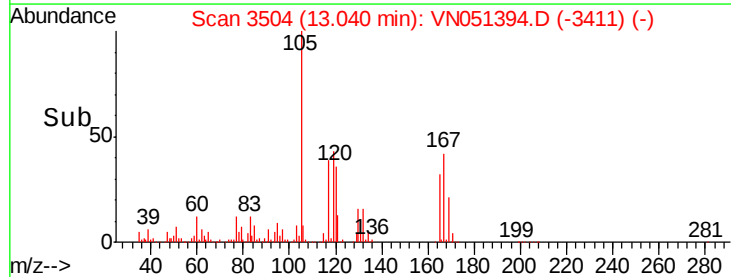
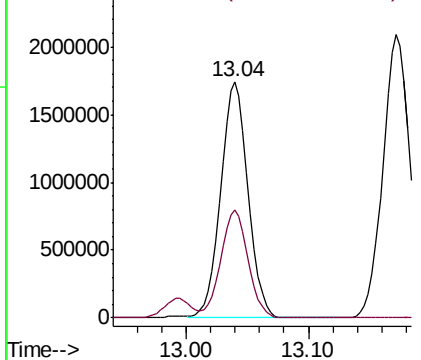


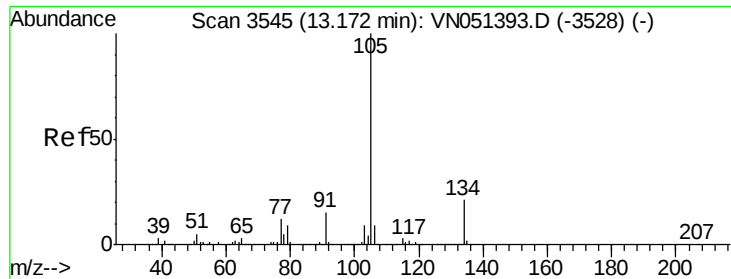
#84
 1,2,4-Trimethylbenzene
 Concen: 100.832 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Tgt Ion:105 Resp: 2727915
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V
 2500000
 Ion 120.00 (119.70 to 120.70): V





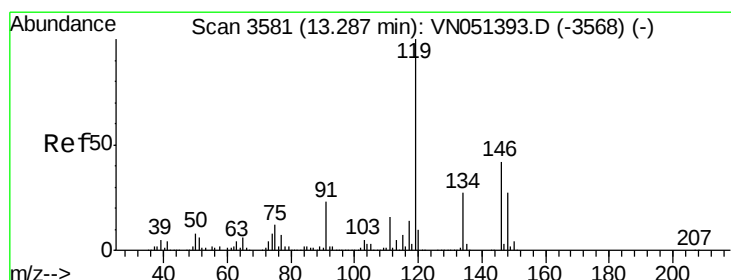
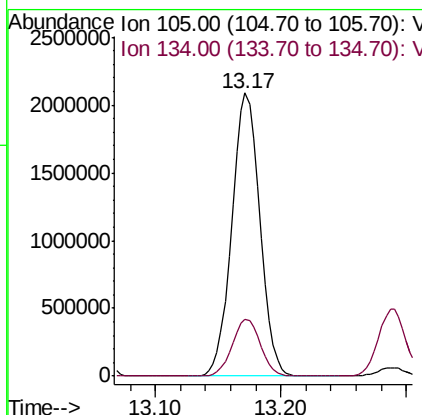
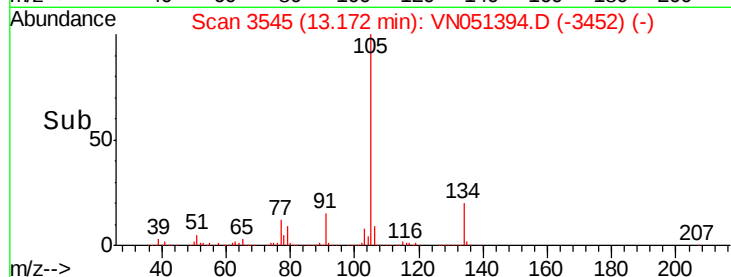
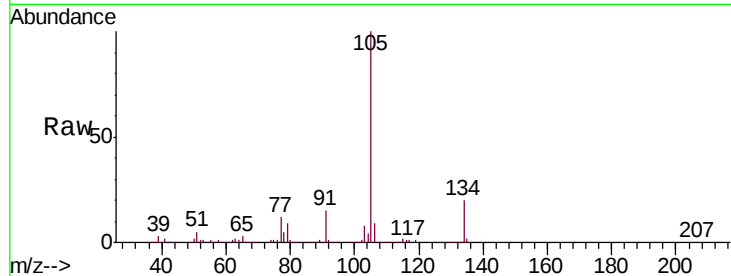
#85
 sec-Butylbenzene
 Concen: 100.000 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 3232893
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.4 31.1

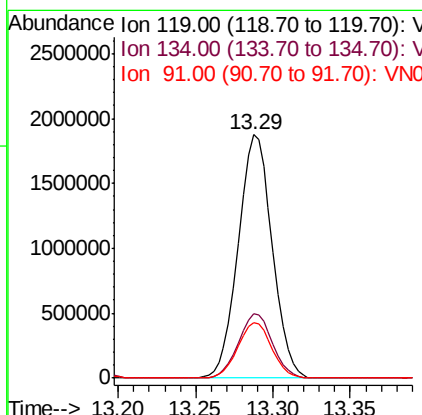
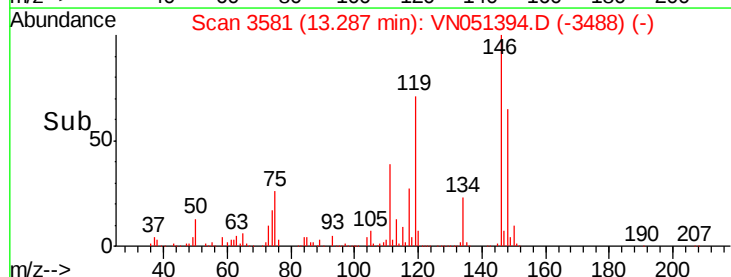
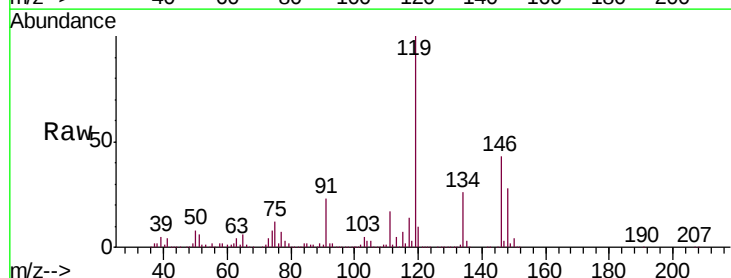
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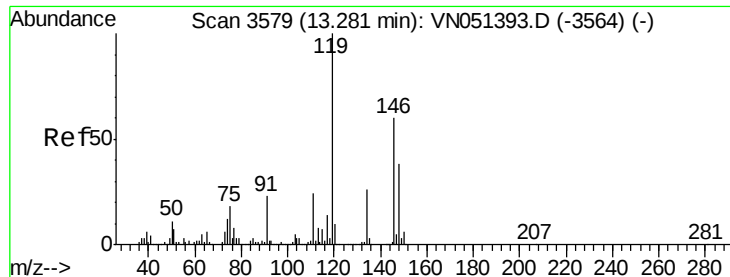
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#86
 p-Isopropyltoluene
 Concen: 101.914 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Tgt Ion:119 Resp: 2850908
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.9
 91 22.9 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 99.303 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Instrument :

MSVOA_N

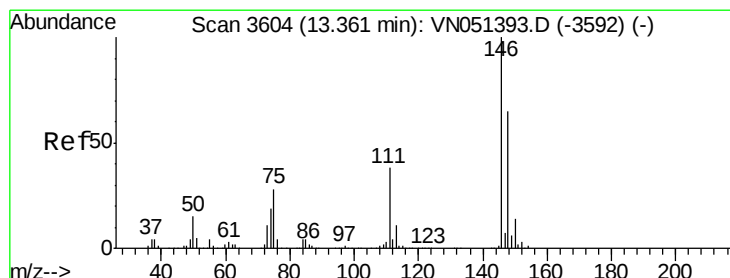
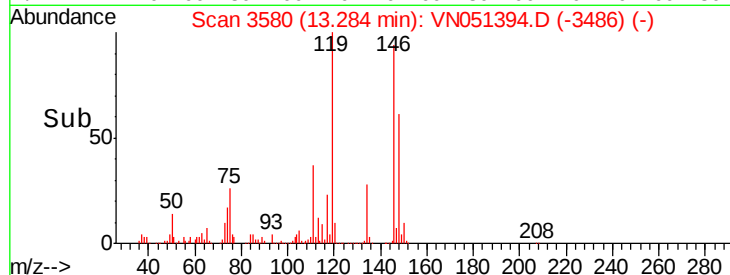
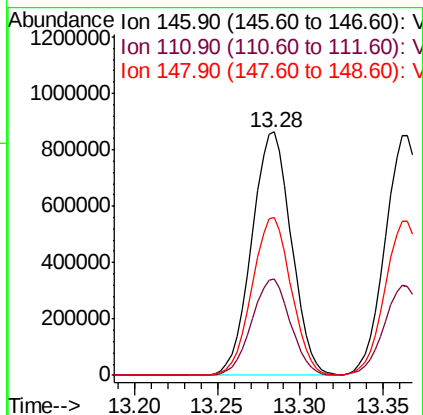
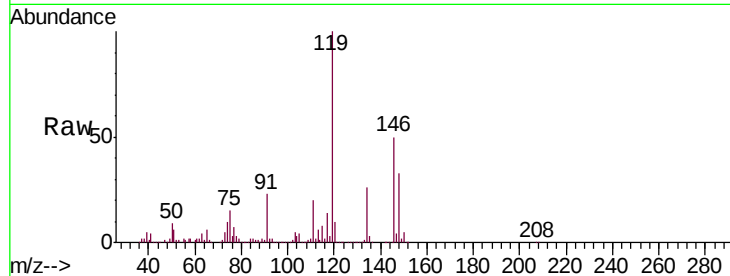
ClientSampleId :

VSTDIC100

Tgt Ion:	146	Resp:	1432363
Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.1
148	64.3	31.9	95.7

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#88

1,4-Dichlorobenzene

Concen: 100.721 ug/l

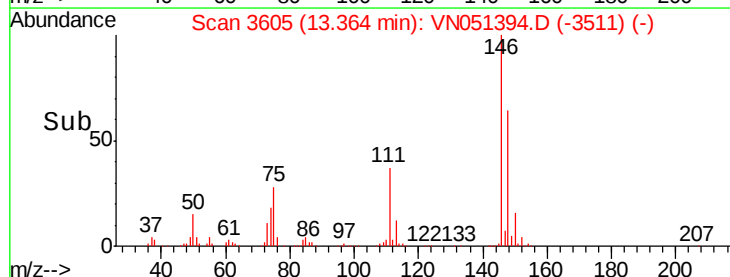
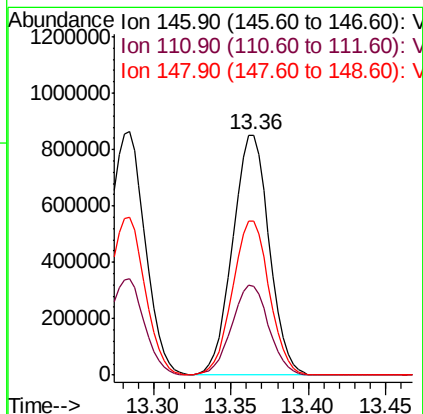
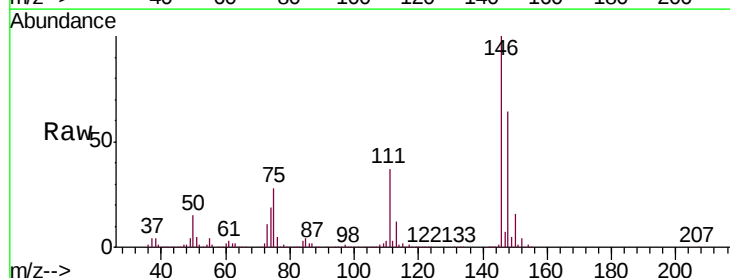
RT: 13.36 min Scan# 3605

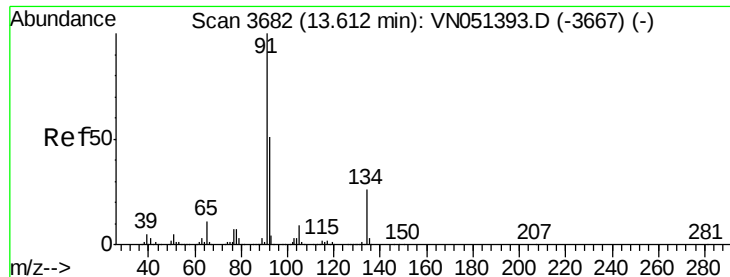
Delta R.T. 0.00 min

Lab File: VN051394.D

Acq: 22 Sep 2018 13:31

Tgt Ion:	146	Resp:	1397883
Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.1
148	64.7	32.5	97.5





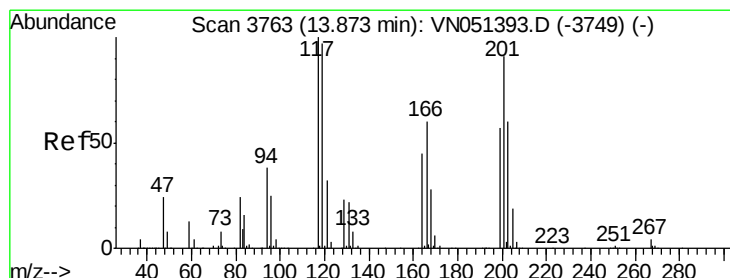
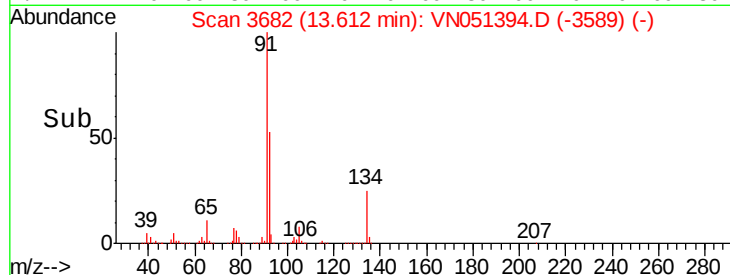
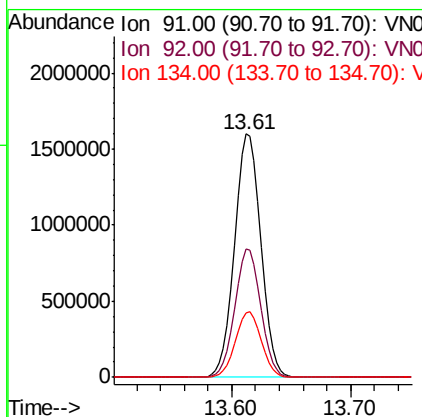
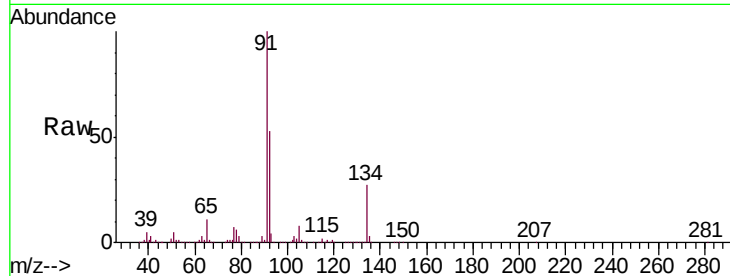
#89
n-Butylbenzene
Concen: 106.366 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 2446755
Ion Ratio Lower Upper
91 100
92 51.9 25.5 76.5
134 26.7 13.3 39.8

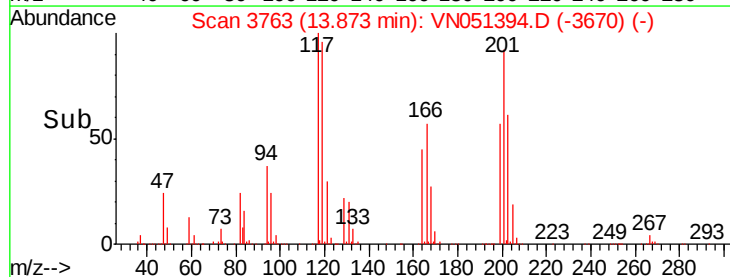
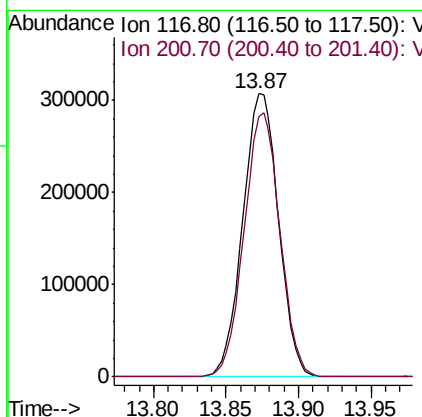
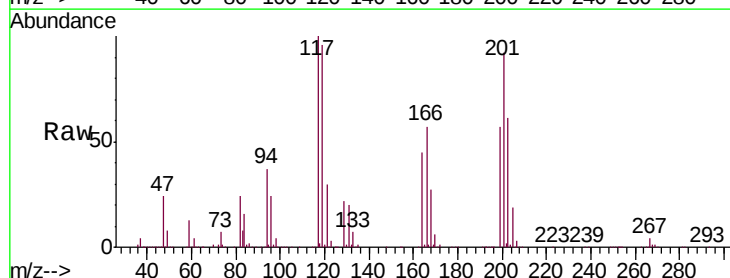
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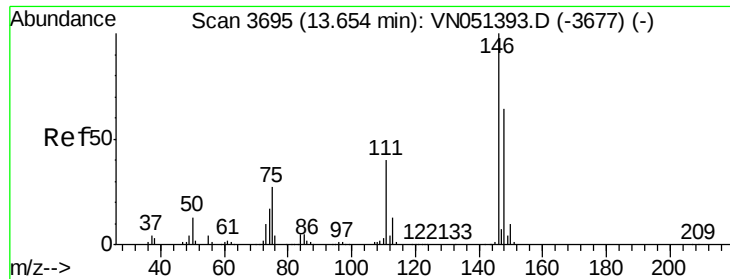
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#90
Hexachloroethane
Concen: 94.709 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Tgt Ion: 117 Resp: 527877
Ion Ratio Lower Upper
117 100
201 93.4 45.5 136.4





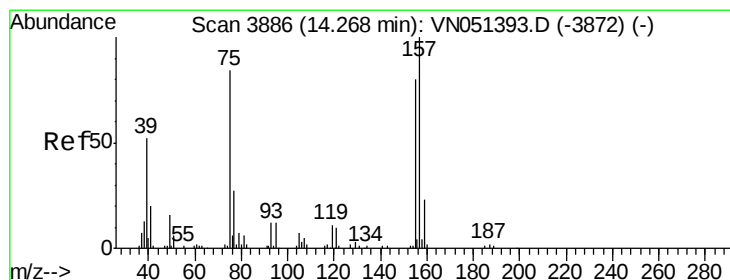
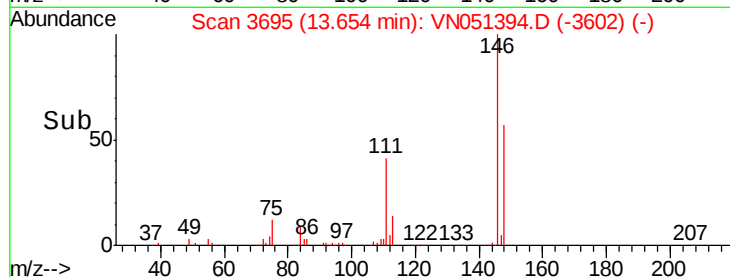
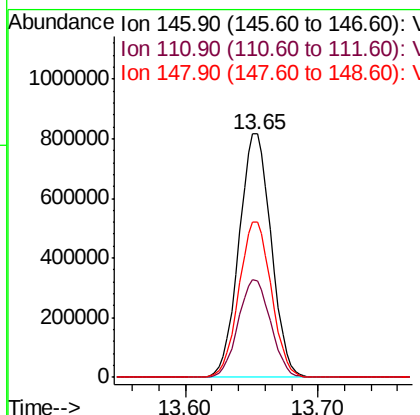
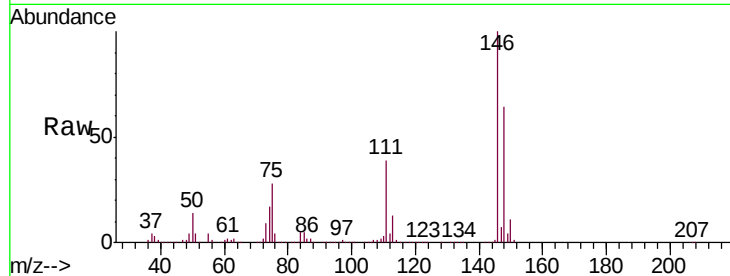
#91
 1,2-Dichlorobenzene
 Concen: 98.089 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	60.0
148	64.4	32.1	96.5

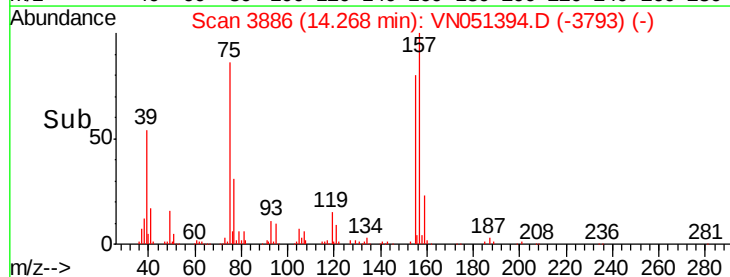
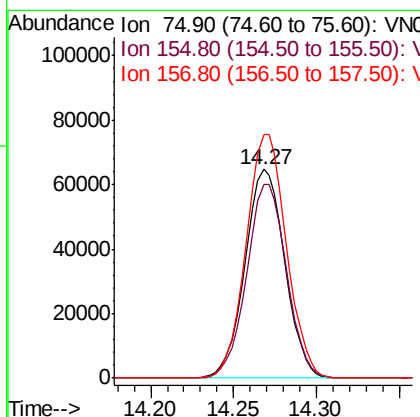
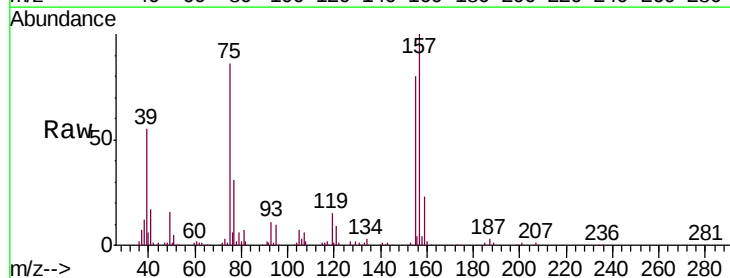
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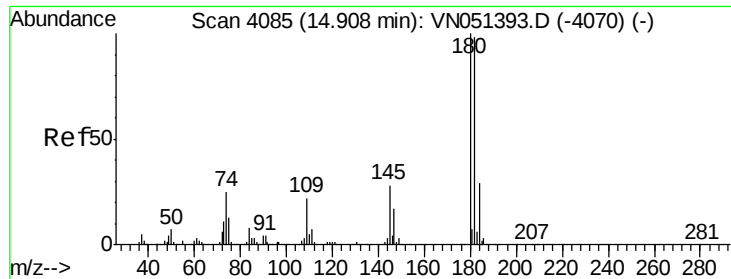
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.851 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	46.9	140.6
157	118.2	58.4	175.1





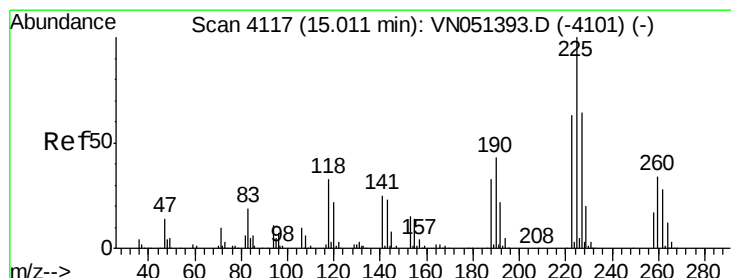
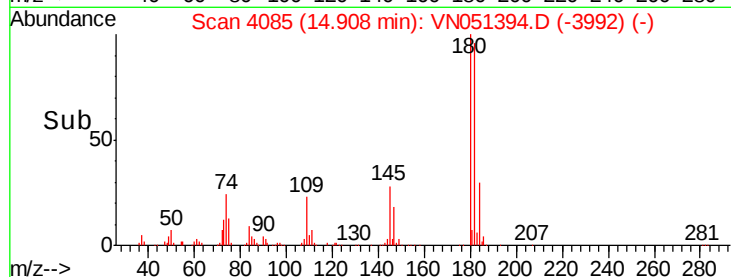
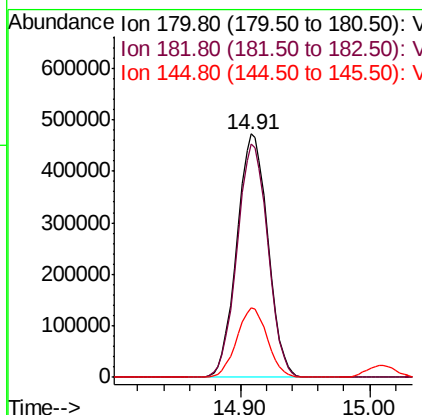
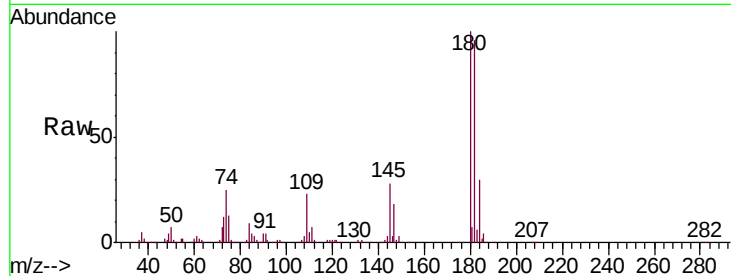
#93
 1,2,4-Trichlorobenzene
 Concen: 98.048 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	789060		
182	95.3	48.5	145.6	
145	28.1	14.1	42.4	

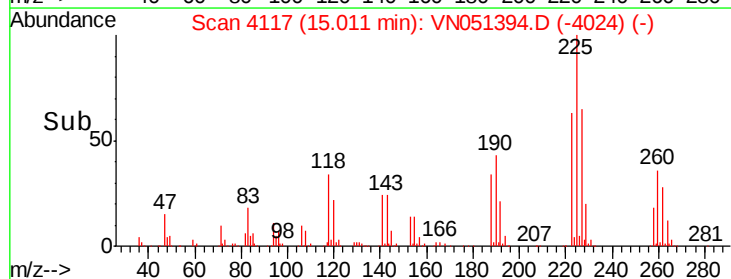
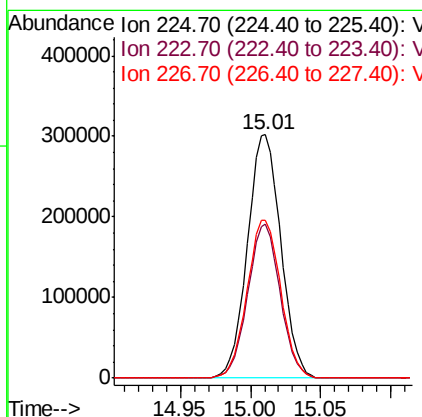
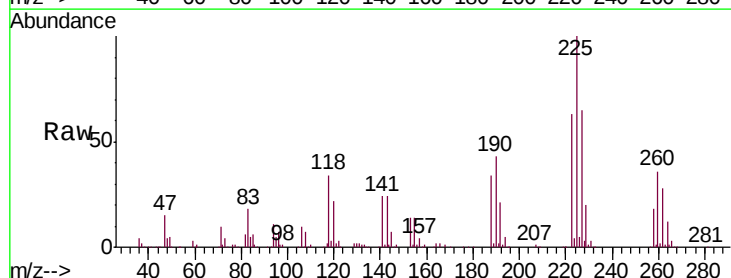
Manual Integrations
 APPROVED

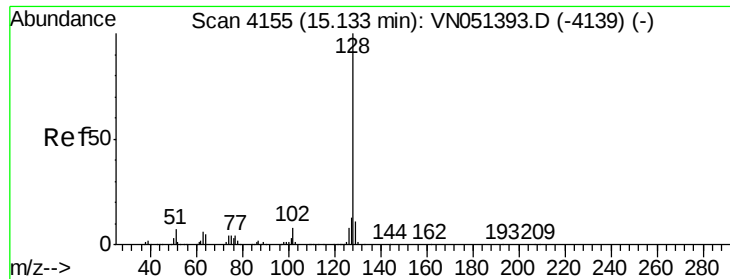
MMDadoda
 9/24/2018 2:15:20 PM



#94
 Hexachlorobutadiene
 Concen: 94.632 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051394.D
 Acq: 22 Sep 2018 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	501097		
223	61.6	31.9	95.9	
227	65.4	32.5	97.5	





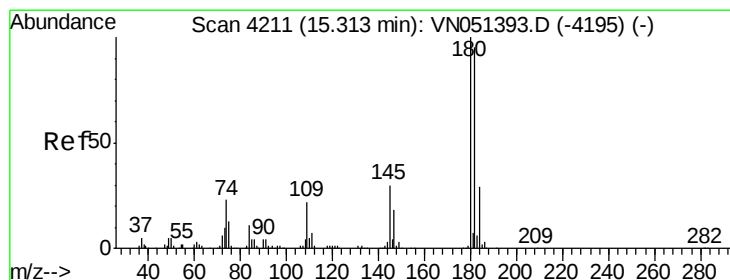
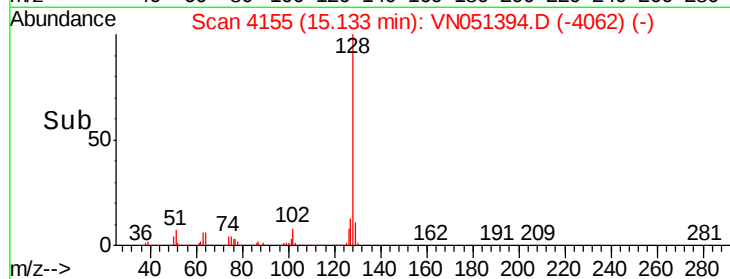
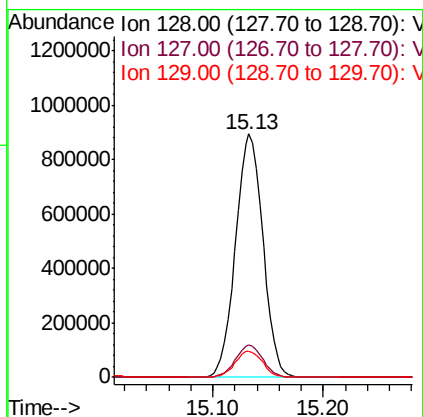
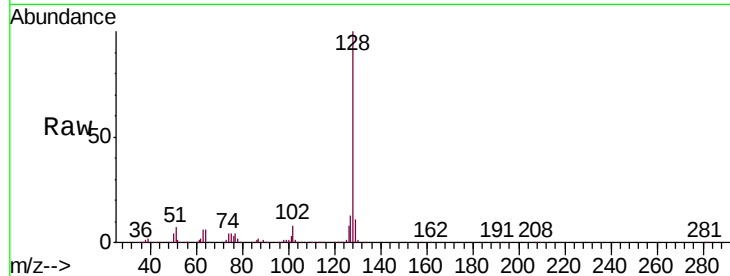
#95
Naphthalene
Concen: 96.801 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 110.896 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051394.D
Acq: 22 Sep 2018 13:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.2	141.6
145	29.6	14.6	43.8

