

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054159.D
 Acq On : 12 Mar 2019 10:55
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:49:09 AM

Quant Time: Mar 13 03:25:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 02:32:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1573987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2353620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2050546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	958897	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	345788	20.69	ug/l	0.00
Spiked Amount			Recovery	=	41.38%	
35) Dibromofluoromethane	7.59	113	315923	20.81	ug/l	0.00
Spiked Amount			Recovery	=	41.62%	
50) Toluene-d8	10.09	98	1151018	20.53	ug/l	0.00
Spiked Amount			Recovery	=	41.06%	
62) 4-Bromofluorobenzene	12.40	95	392366	20.00	ug/l	0.00
Spiked Amount			Recovery	=	40.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	320016	21.453	ug/l	99
3) Chloromethane	2.06	50	293820	20.277	ug/l	99
4) Vinyl Chloride	2.19	62	326796	19.732	ug/l	97
5) Bromomethane	2.58	94	220725	19.242	ug/l	99
6) Chloroethane	2.71	64	195830	19.542	ug/l	100
7) Trichlorofluoromethane	3.02	101	425587	19.327	ug/l	100
8) Diethyl Ether	3.41	74	211948	21.122	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	345829	20.958	ug/l	99
10) Methyl Iodide	3.94	142	417049	18.761	ug/l	99
11) Tert butyl alcohol	4.82	59	114593	99.595	ug/l	100
12) 1,1-Dichloroethene	3.73	96	342358	20.937	ug/l	99
13) Acrolein	3.60	56	92958	85.606	ug/l	98
14) Allyl chloride	4.32	41	439206	20.934	ug/l	99
15) Acrylonitrile	5.00	53	488312	103.738	ug/l	99
16) Acetone	3.82	43	528779	110.482	ug/l	99
17) Carbon Disulfide	4.04	76	837311	20.426	ug/l	100
18) Methyl Acetate	4.33	43	202992	20.963	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	844889	20.845	ug/l	100
20) Methylene Chloride	4.55	84	315656	20.086	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	324165	20.690	ug/l	99
22) Diisopropyl ether	5.96	45	841654	20.100	ug/l	98
23) Vinyl Acetate	5.90	43	3165787	102.542	ug/l	99
24) 1,1-Dichloroethane	5.85	63	553938	20.603	ug/l	99
25) 2-Butanone	6.84	43	602087	107.182	ug/l	100
26) 2,2-Dichloropropane	6.82	77	480305	20.315	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	358161	20.491	ug/l	99
28) Bromochloromethane	7.19	49	220606	20.071	ug/l	99
29) Tetrahydrofuran	7.22	42	364845	101.015	ug/l	100
30) Chloroform	7.37	83	581576	20.730	ug/l	99
31) Cyclohexane	7.65	56	523783	20.104	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	525937	20.757	ug/l	99
36) 1,1-Dichloropropene	7.79	75	431620	19.913	ug/l	98
37) Ethyl Acetate	6.94	43	255550	19.983	ug/l	100
38) Carbon Tetrachloride	7.77	117	464653	20.442	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	535278	20.072	ug/l	99
40) Benzene	8.04	78	1284259	20.706	ug/l	100
41) Methacrylonitrile	7.18	41	129228	18.898	ug/l	92
42) 1,2-Dichloroethane	8.13	62	433263	20.690	ug/l	99
43) Isopropyl Acetate	8.17	43	435804	19.936	ug/l	99
44) Trichloroethene	8.83	130	400137	20.767	ug/l	97
45) 1,2-Dichloropropane	9.12	63	314758	20.437	ug/l	99
46) Dibromomethane	9.21	93	214358	20.599	ug/l	99
47) Bromodichloromethane	9.40	83	434417	20.824	ug/l	95
48) Methyl methacrylate	9.20	41	229298	20.669	ug/l	99
49) 1,4-Dioxane	9.20	88	63117	402.224	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1160166	100.285	ug/l	100
52) Toluene	10.16	92	801186	20.372	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	432301	19.384	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	497841	20.479	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	293703	20.453	ug/l	99
56) Ethyl methacrylate	10.43	69	332900	19.442	ug/l	99
57) 1,3-Dichloropropane	10.71	76	486217	20.707	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	639078	97.068	ug/l	100
59) 2-Hexanone	10.75	43	773534	100.488	ug/l	99
60) Dibromochloromethane	10.90	129	326183	20.181	ug/l	100
61) 1,2-Dibromoethane	11.00	107	300610	20.600	ug/l	100
64) Tetrachloroethene	10.63	164	422837	21.328	ug/l	98
65) Chlorobenzene	11.43	112	922198	20.482	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	339073	20.731	ug/l	99
67) Ethyl Benzene	11.51	91	1523445	20.412	ug/l	99
68) m/p-Xylenes	11.62	106	1188615	40.746	ug/l	98
69) o-Xylene	11.95	106	587808	20.671	ug/l	99
70) Styrene	11.96	104	908078	20.361	ug/l	100
71) Bromoform	12.13	173	216451	18.895	ug/l #	99
73) Isopropylbenzene	12.25	105	1572289	20.494	ug/l	100
74) N-amyl acetate	12.07	43	343631	20.179	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	322513	19.731	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	283440m	19.839	ug/l	
77) Bromobenzene	12.53	156	407671	20.082	ug/l	99
78) n-propylbenzene	12.59	91	1709290	20.534	ug/l	100
79) 2-Chlorotoluene	12.67	91	1017931	20.337	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1299111	20.358	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	76696	18.447	ug/l	95
82) 4-Chlorotoluene	12.77	91	1003312	20.075	ug/l	99
83) tert-Butylbenzene	12.99	119	1186843	20.206	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1286342	20.547	ug/l	100
85) sec-Butylbenzene	13.17	105	1566905	20.570	ug/l	99
86) p-Isopropyltoluene	13.29	119	1376854	20.603	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	694067	20.290	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	680555	20.248	ug/l	99
89) n-Butylbenzene	13.61	91	1055272	20.783	ug/l	100
90) Hexachloroethane	13.87	117	216487	19.564	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	691627	20.682	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	51812	20.485	ug/l	100

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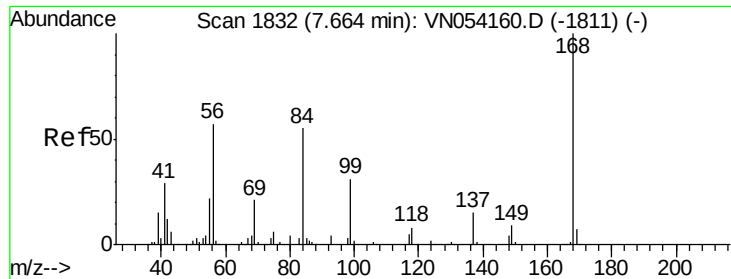
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	364386	19.657	ug/l	100
94) Hexachlorobutadiene	15.01	225	267015	20.963	ug/l	100
95) Naphthalene	15.13	128	712868	19.243	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	374085	21.054	ug/l	100

(#) = 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

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Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:168 Resp: 1573987

Ion Ratio Lower Upper

168 100

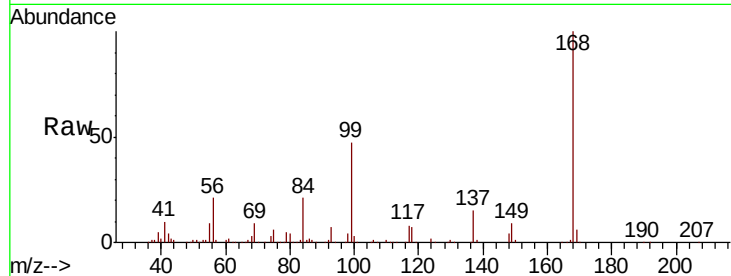
99 46.3 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

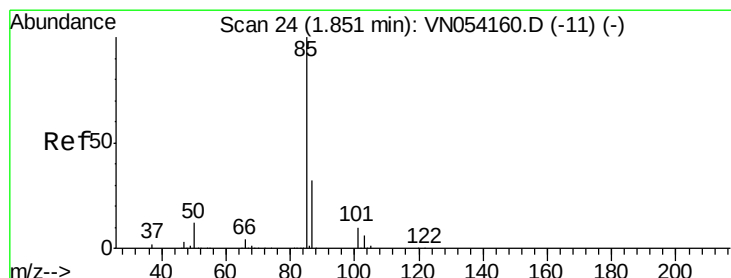
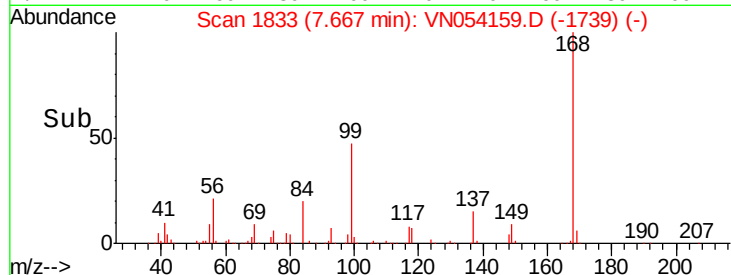
400000

200000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.453 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054159.D

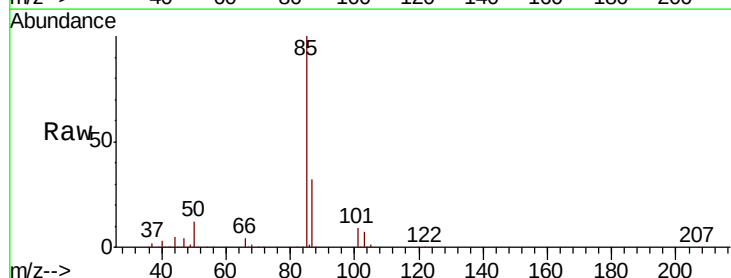
Acq: 12 Mar 2019 10:55

Tgt Ion: 85 Resp: 320016

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

150000

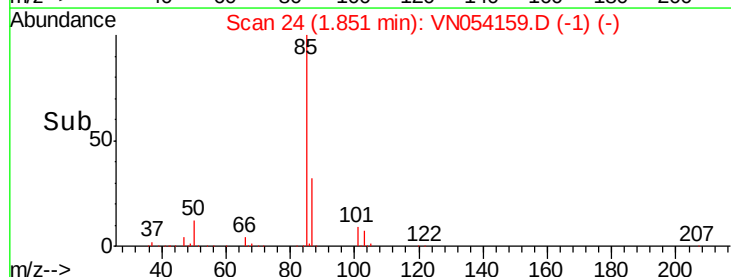
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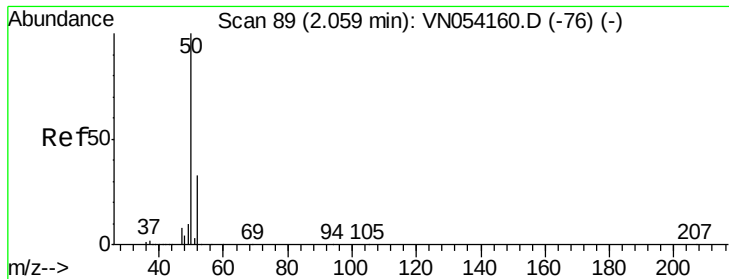
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.277 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 50 Resp: 293820

Ion Ratio Lower Upper

50 100

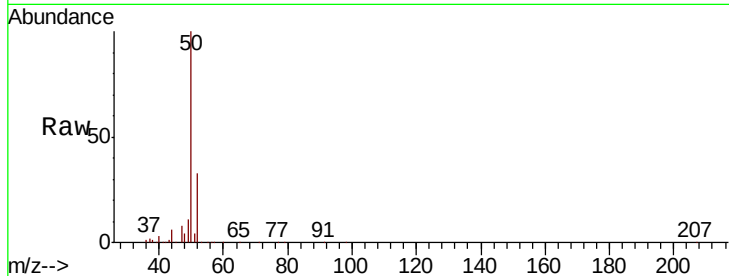
52 33.4 26.4 39.6

Manual Integrations

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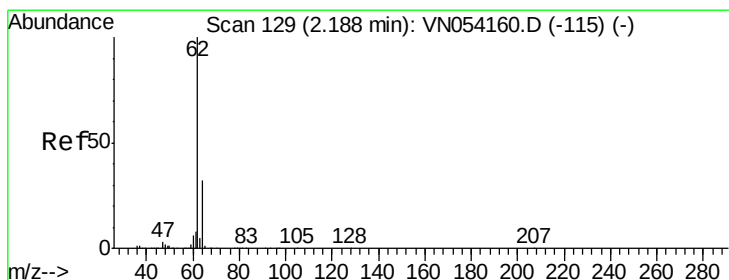
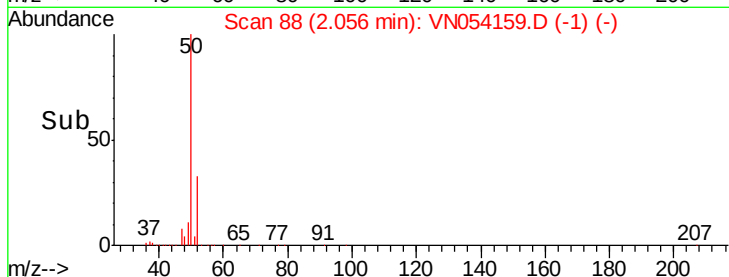
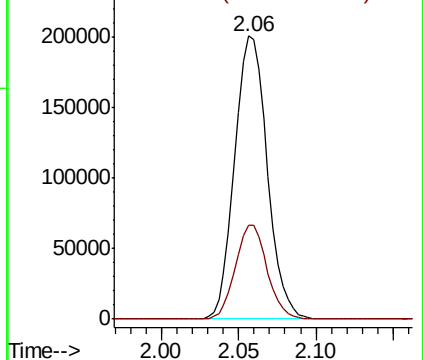
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.732 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054159.D

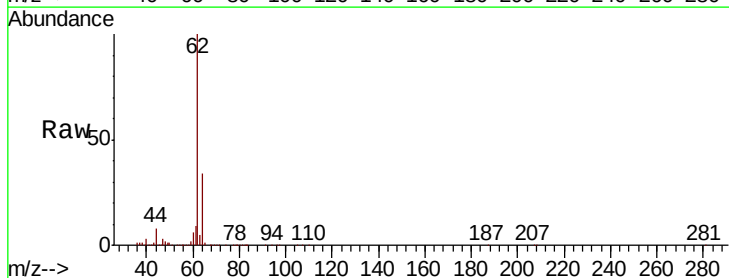
Acq: 12 Mar 2019 10:55

Tgt Ion: 62 Resp: 326796

Ion Ratio Lower Upper

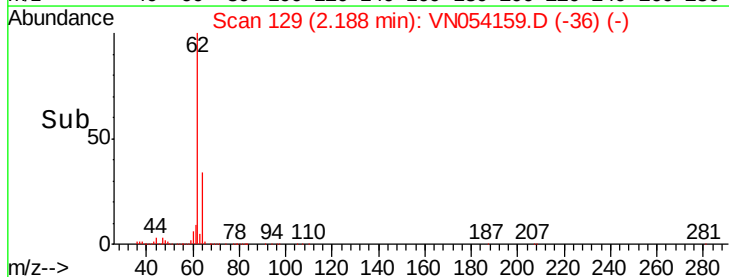
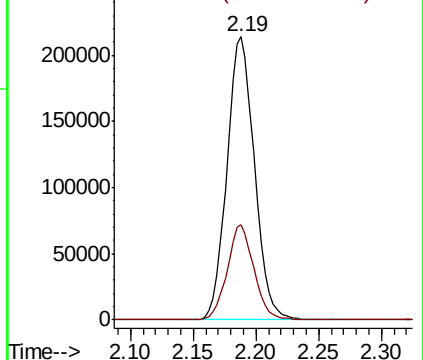
62 100

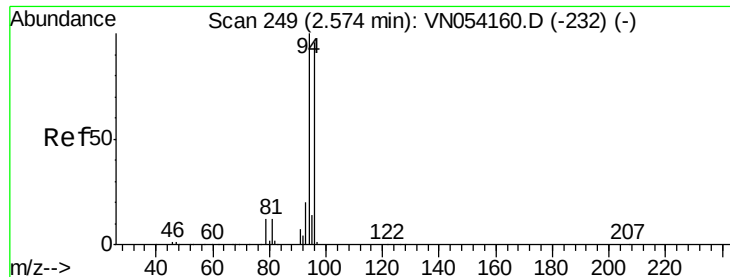
64 33.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





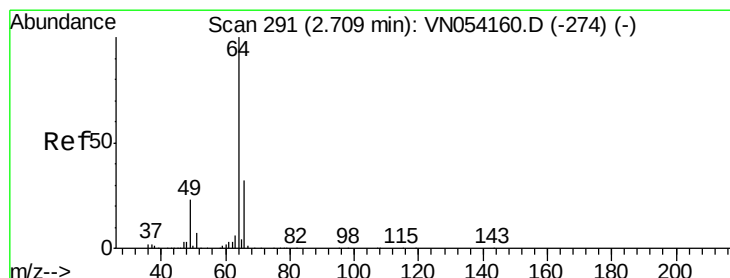
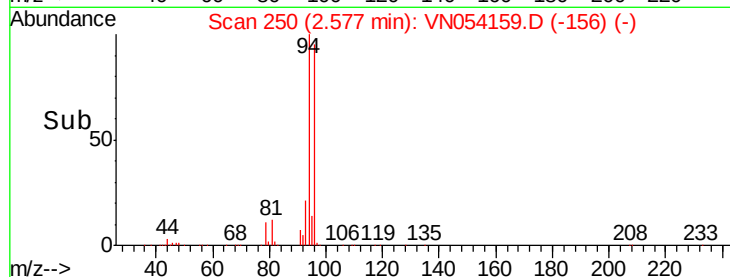
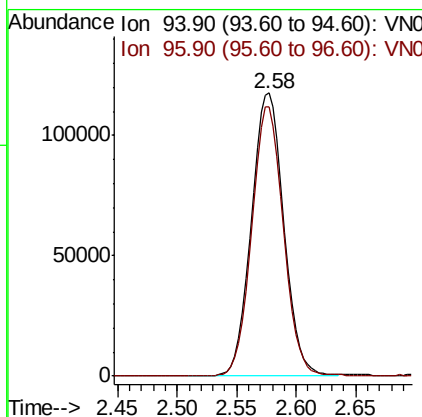
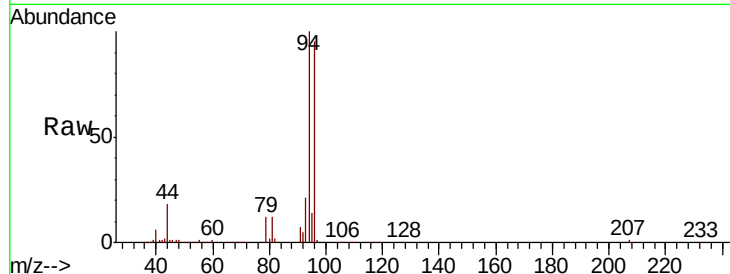
#5
Bromomethane
Concen: 19.242 ug/l
RT: 2.58 min Scan# 250
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion: 94 Resp: 220725
Ion Ratio Lower Upper
94 100
96 95.3 77.0 115.4

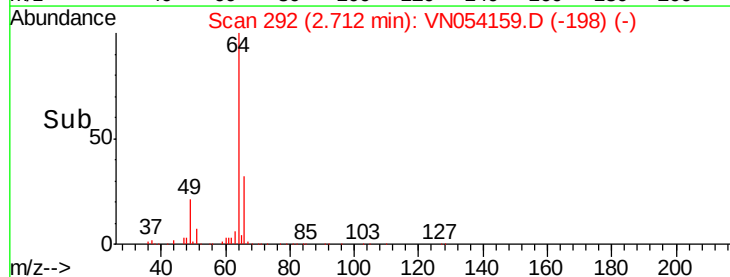
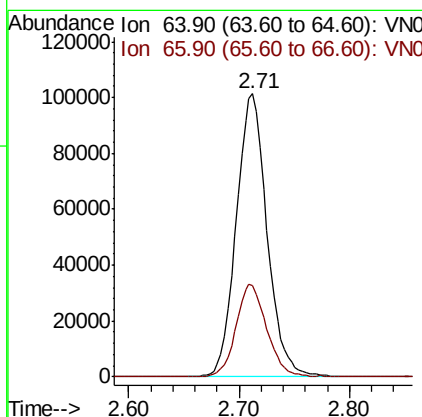
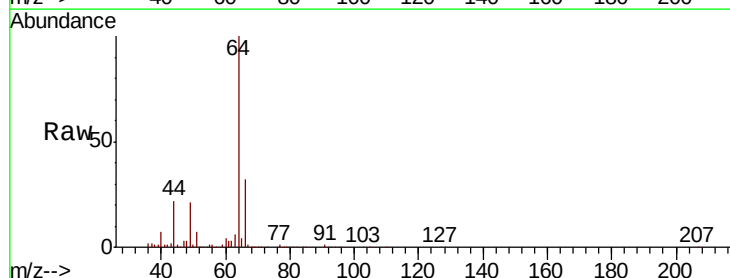
Manual Integrations
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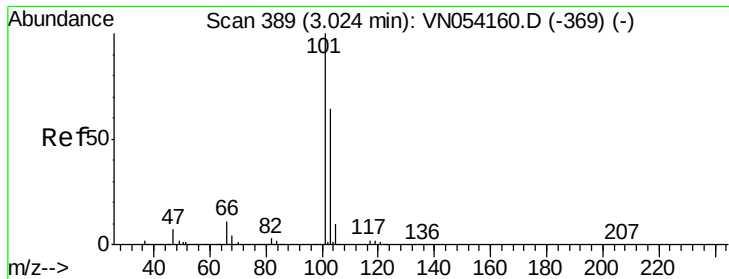
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#6
Chloroethane
Concen: 19.542 ug/l
RT: 2.71 min Scan# 292
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion: 64 Resp: 195830
Ion Ratio Lower Upper
64 100
66 31.9 25.7 38.5





#7

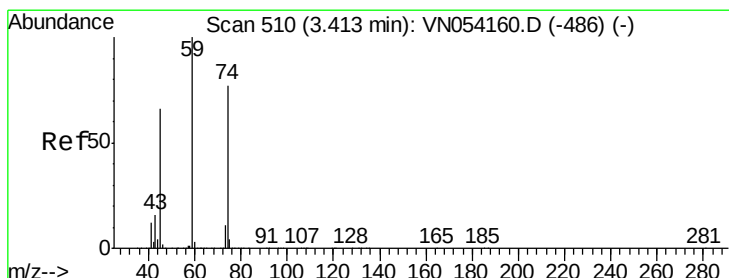
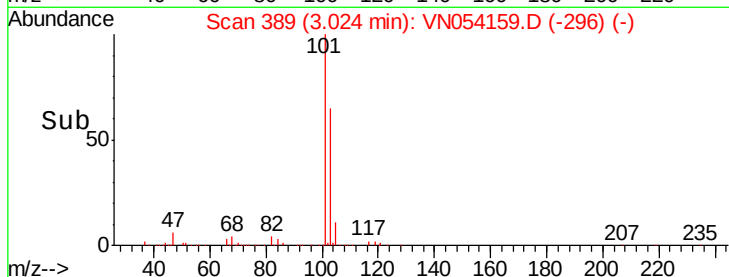
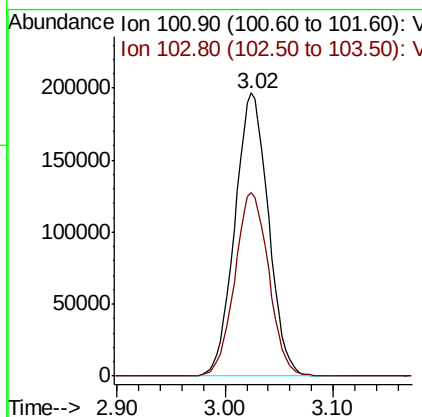
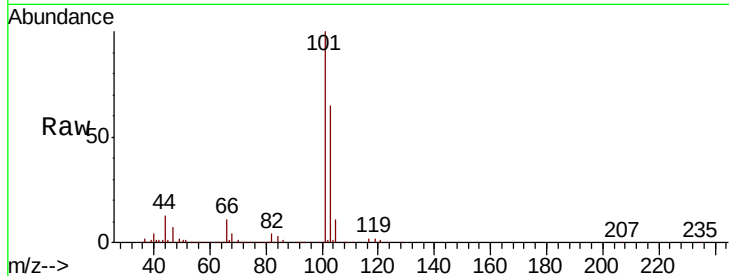
Trichlorofluoromethane
Concen: 19.327 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

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ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.4	77.2

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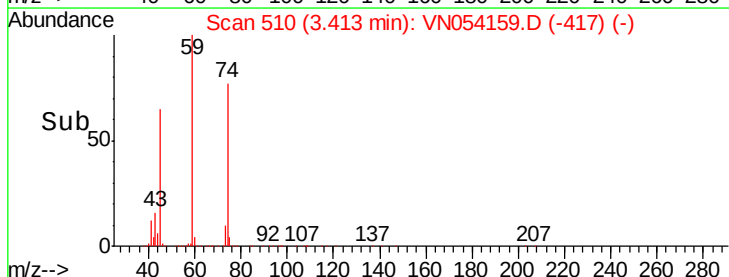
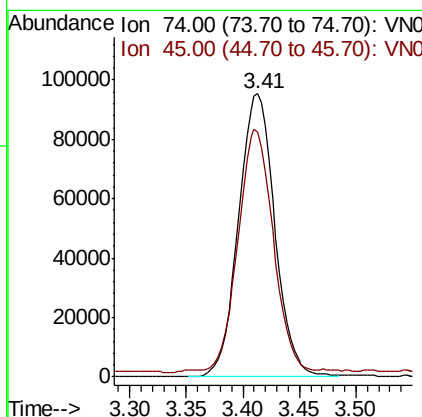
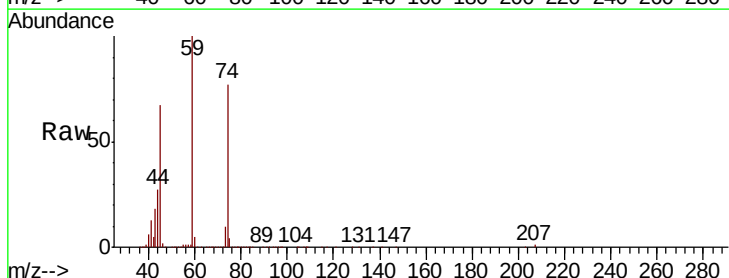
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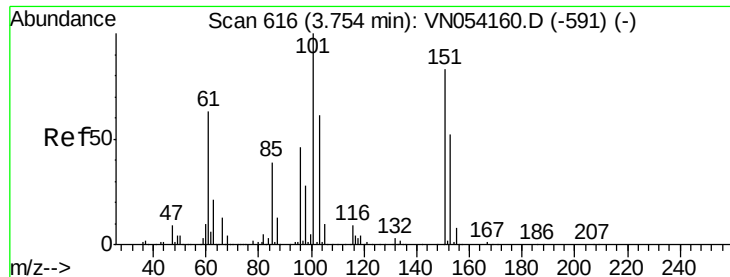


#8

Diethyl Ether
Concen: 21.122 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.1	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.958 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

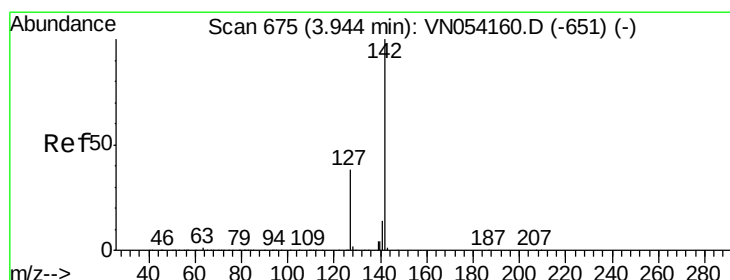
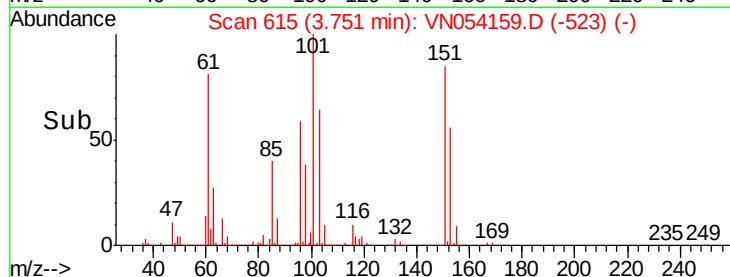
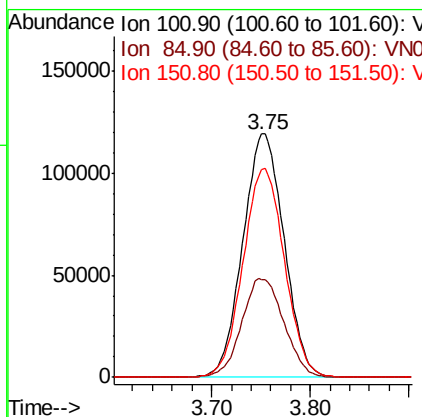
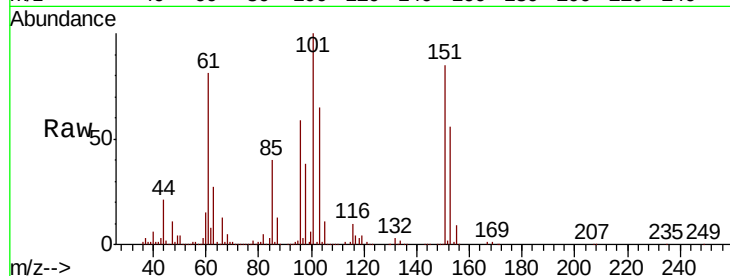
ClientSampleId :

VSTDIC020

Tgt Ion:	101	Resp:	345829
Ion Ratio	Lower	Upper	
101	100		
85	41.4	32.4	48.6
151	86.1	68.2	102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.761 ug/l

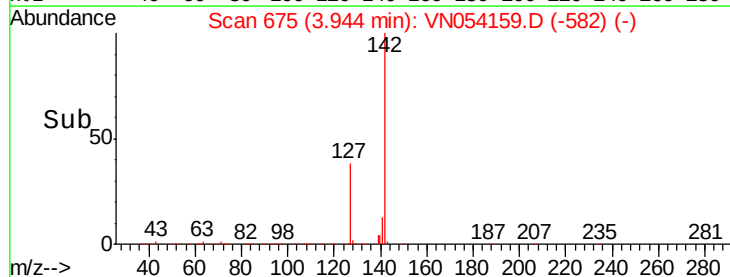
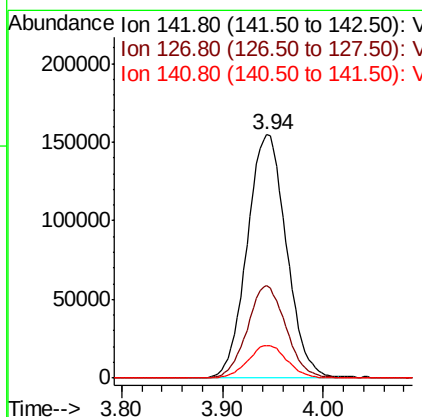
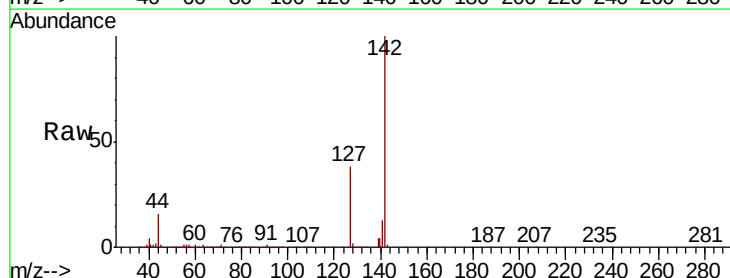
RT: 3.94 min Scan# 675

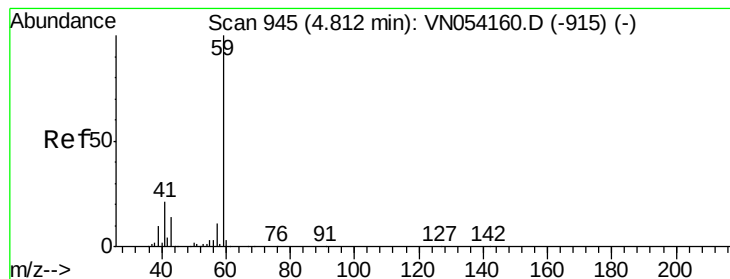
Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Tgt Ion:	142	Resp:	417049
Ion Ratio	Lower	Upper	
142	100		
127	37.7	30.3	45.5
141	13.5	11.2	16.8





#11

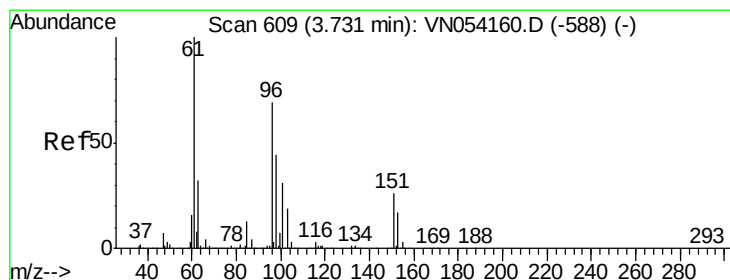
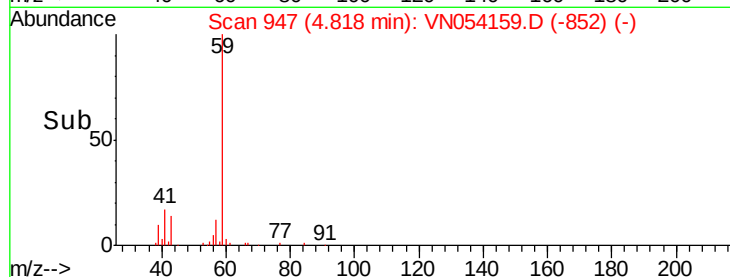
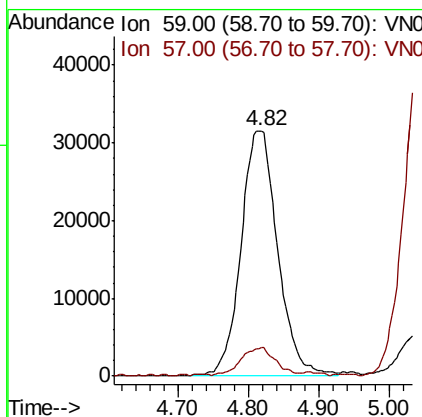
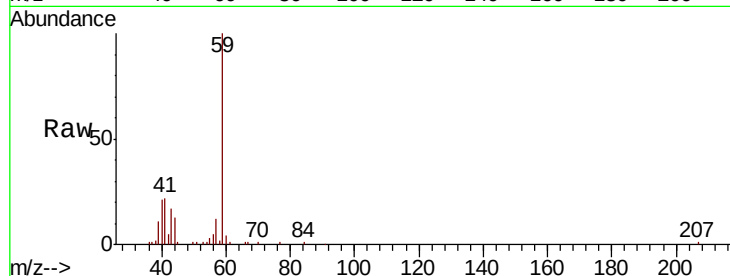
Tert butyl alcohol
 Concen: 99.595 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.2	9.0	13.6

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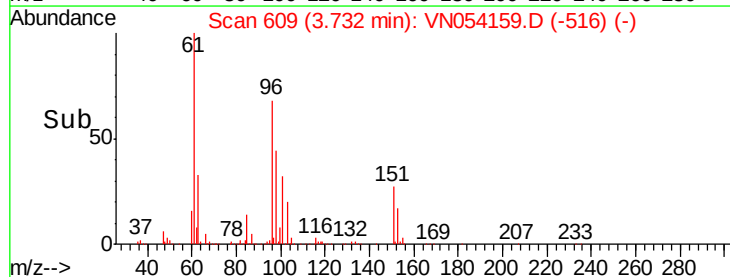
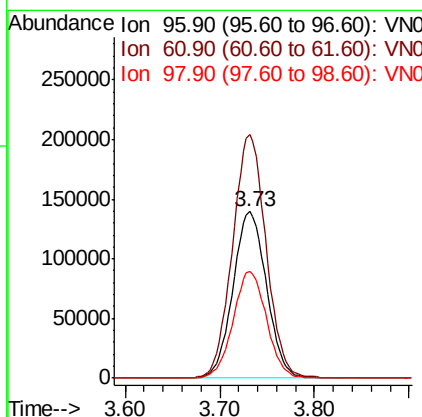
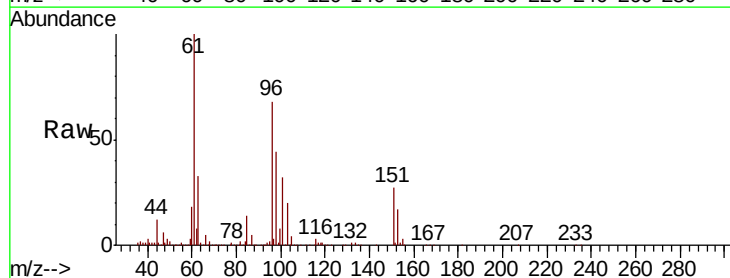
MMDadoda
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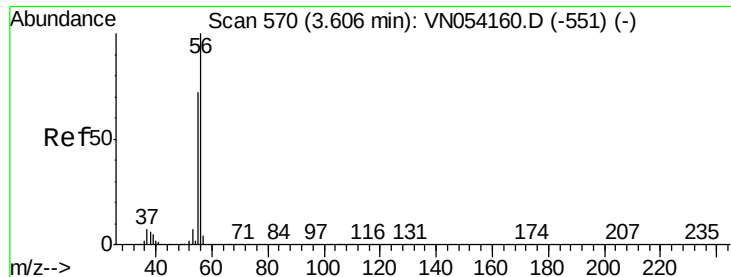


#12

1,1-Dichloroethene
 Concen: 20.937 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.4	116.5	174.7
98	64.3	51.0	76.4





#13

Acrolein

Concen: 85.606 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 92958

Ion Ratio Lower Upper

56 100

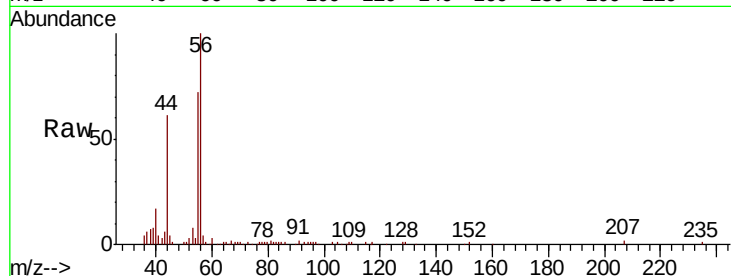
55 69.4 56.7 85.1

Manual Integrations

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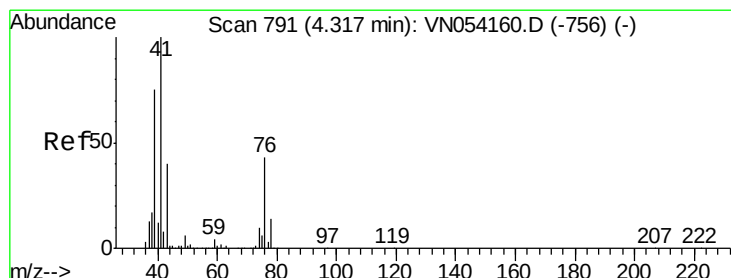
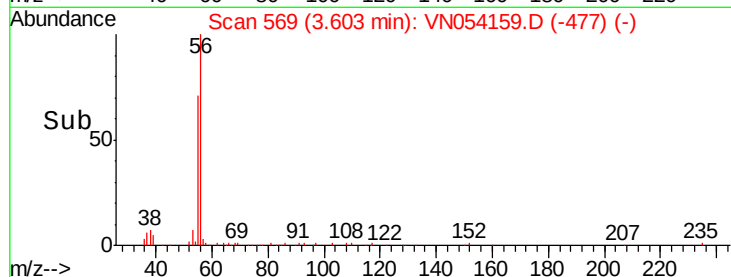
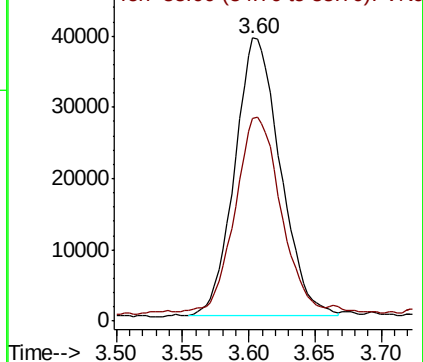
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.934 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

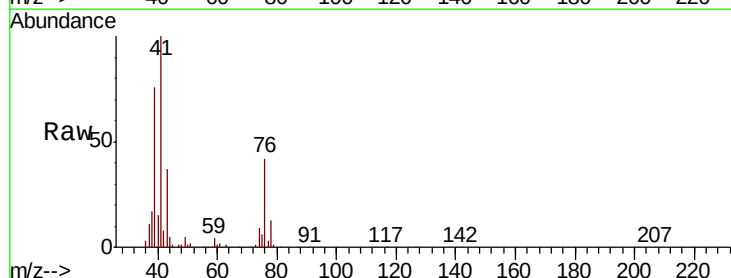
Tgt Ion: 41 Resp: 439206

Ion Ratio Lower Upper

41 100

39 72.2 58.2 87.4

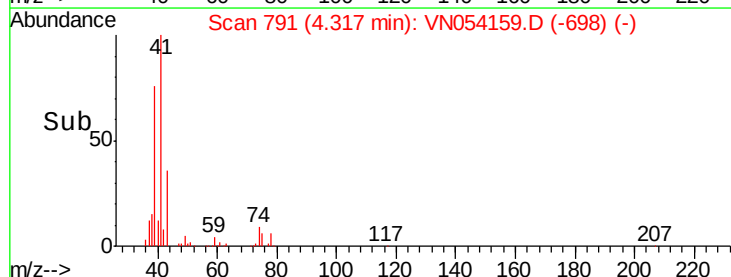
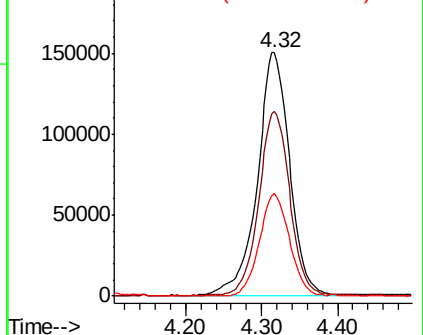
76 39.6 31.7 47.5

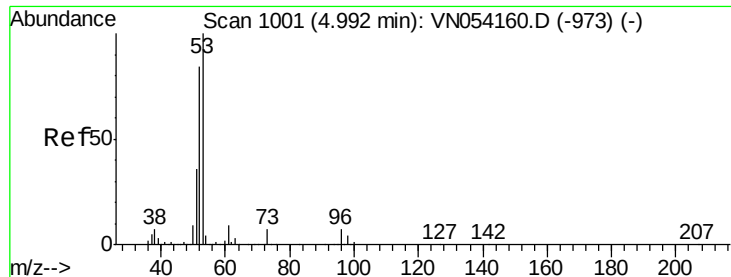


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 103.738 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

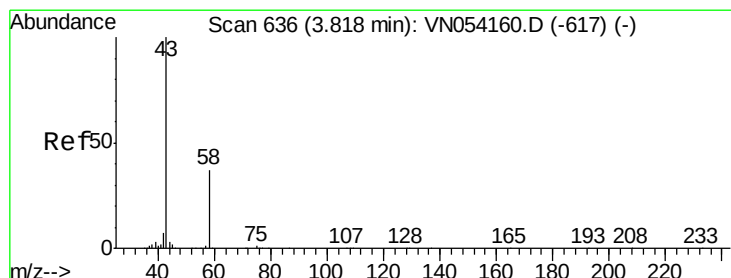
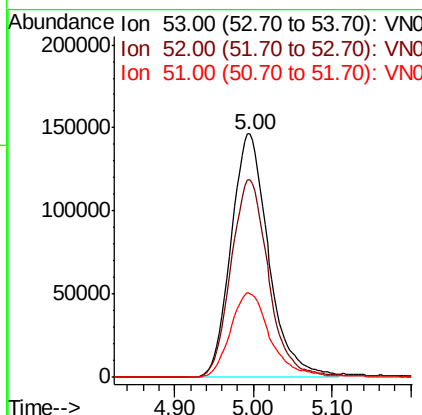
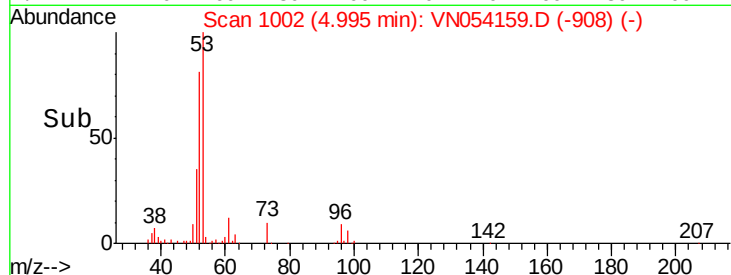
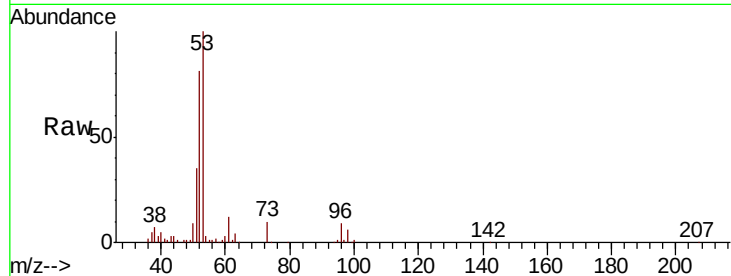
ClientSampleId :

VSTDIC020

Tgt Ion:	53	Resp:	488312
Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.4	99.6
51	36.9	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 110.482 ug/l

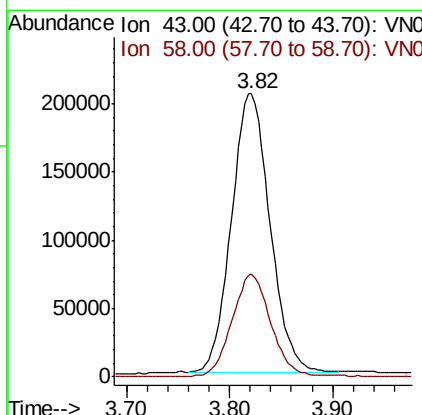
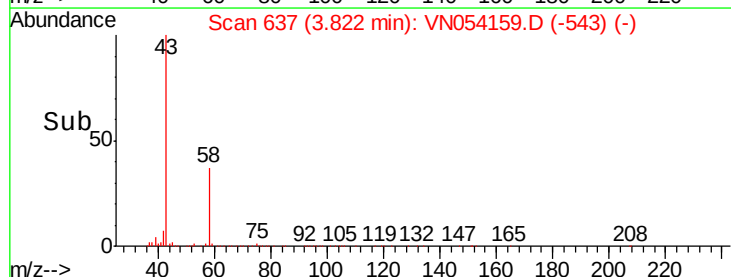
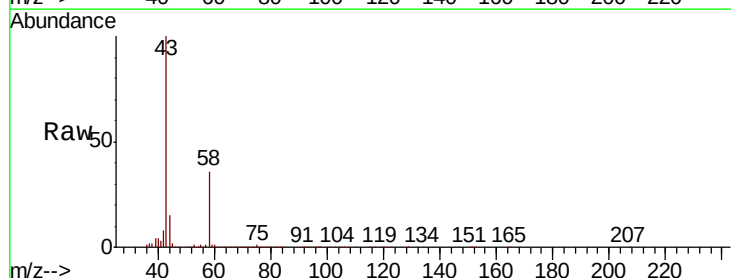
RT: 3.82 min Scan# 637

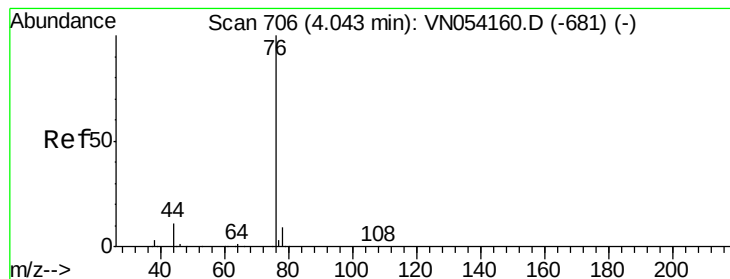
Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Tgt Ion:	43	Resp:	528779
Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.9	44.9





#17

Carbon Disulfide

Concen: 20.426 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 837311

Ion Ratio Lower Upper

76 100

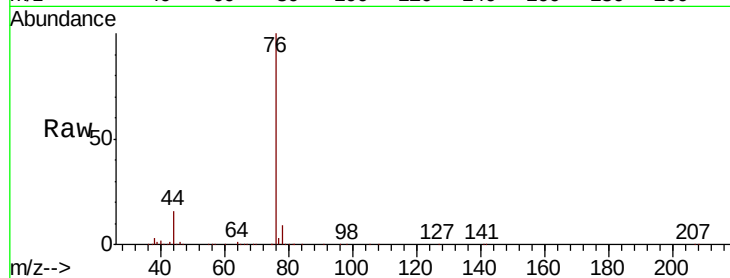
78 9.4 7.5 11.3

Manual Integrations

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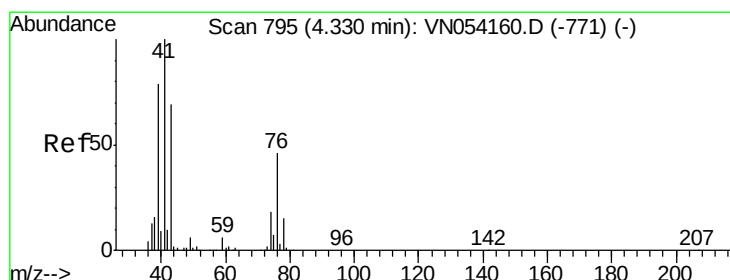
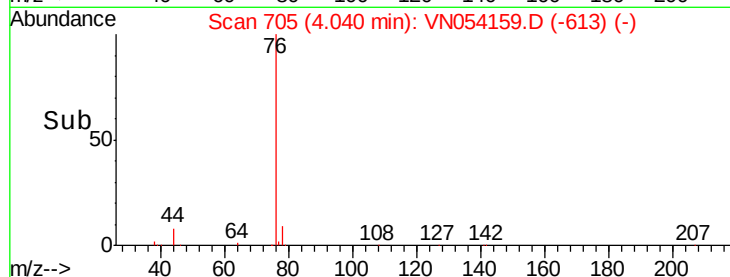
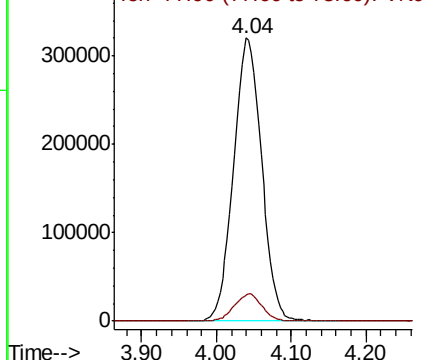
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 20.963 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054159.D

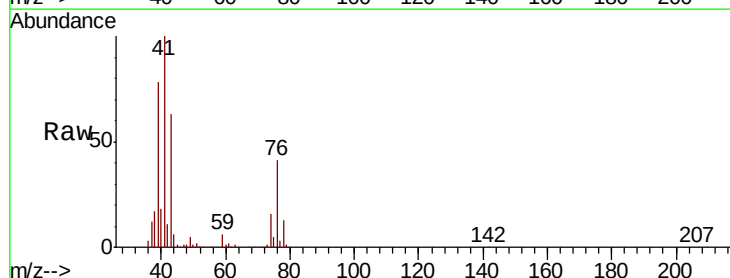
Acq: 12 Mar 2019 10:55

Tgt Ion: 43 Resp: 202992

Ion Ratio Lower Upper

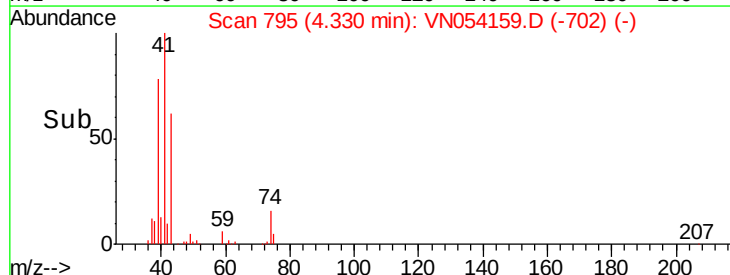
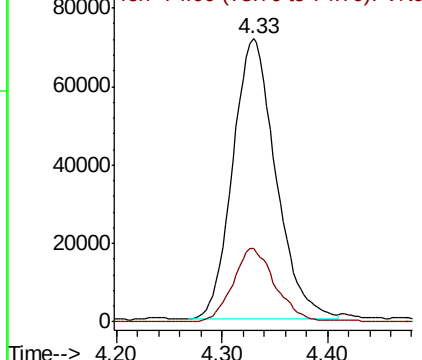
43 100

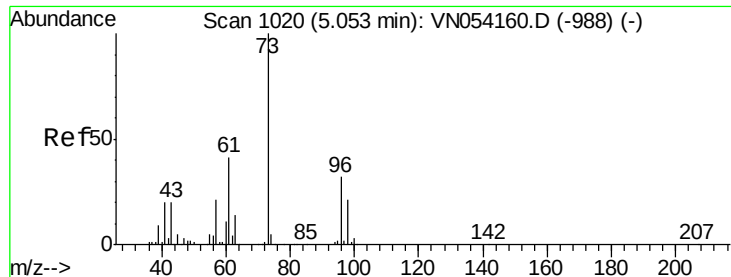
74 25.8 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





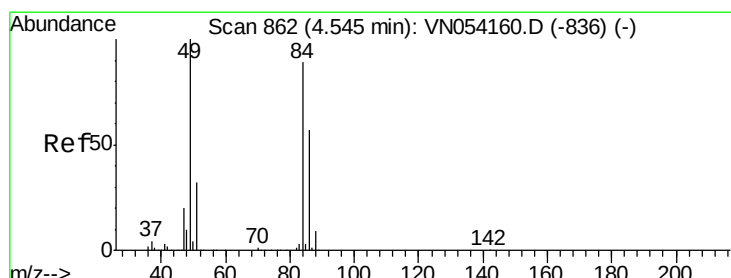
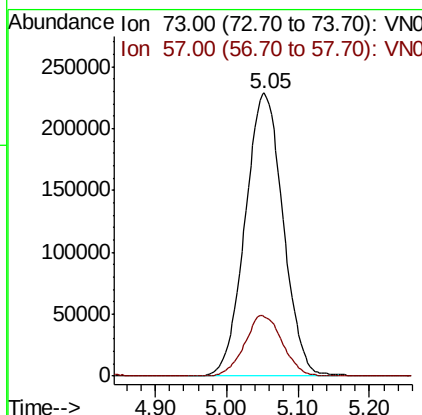
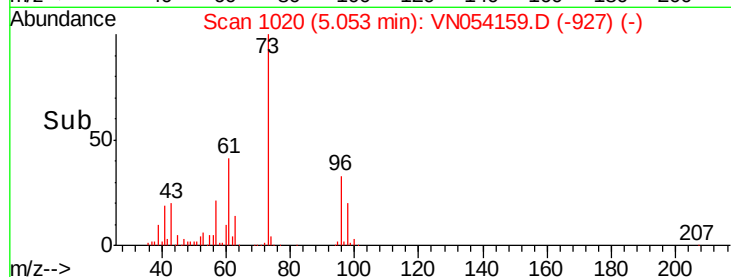
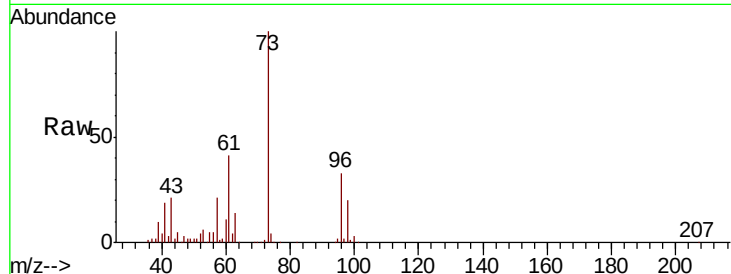
#19
Methyl tert-butyl Ether
Concen: 20.845 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion: 73 Resp: 844889
Ion Ratio Lower Upper
73 100
57 21.1 16.8 25.2

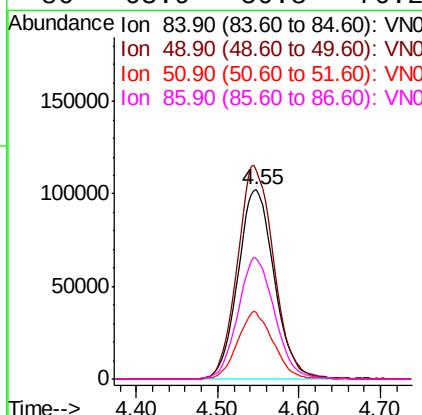
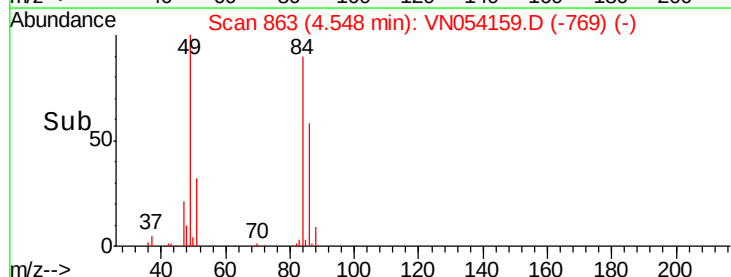
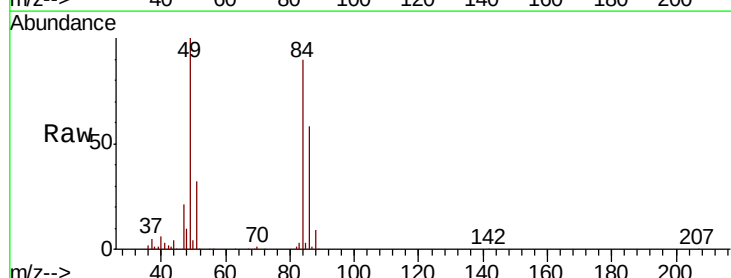
Manual Integrations
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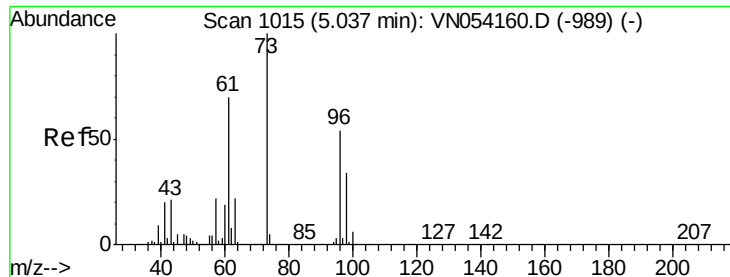
MMDadoda
3/13/2019 11:49:09 AM



#20
Methylene Chloride
Concen: 20.086 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion: 84 Resp: 315656
Ion Ratio Lower Upper
84 100
49 110.6 89.7 134.5
51 35.0 28.2 42.4
86 63.9 50.8 76.2





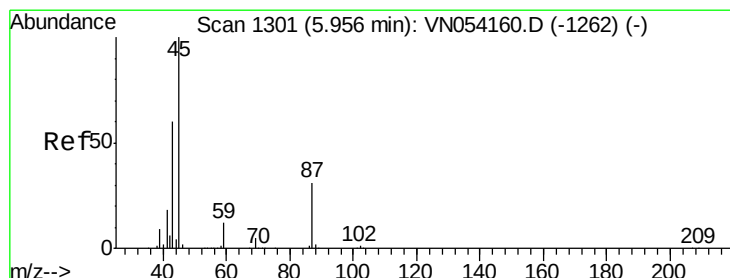
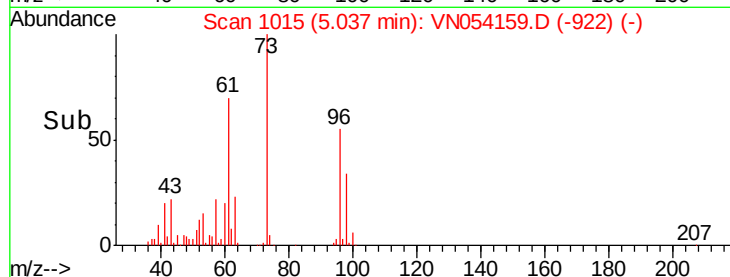
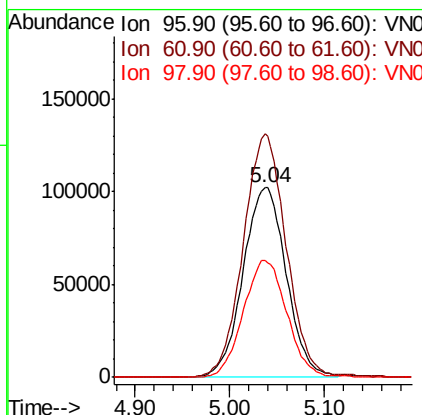
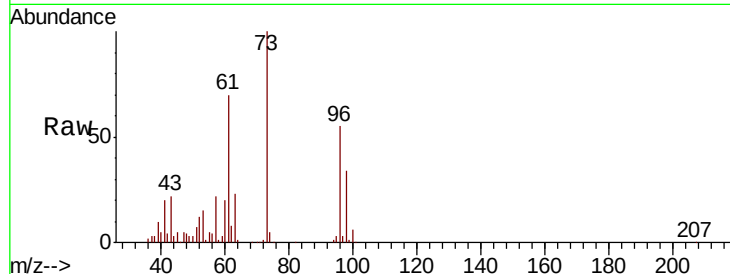
#21
trans-1,2-Dichloroethene
Concen: 20.690 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.4	102.8	154.2
98	61.3	50.0	75.0

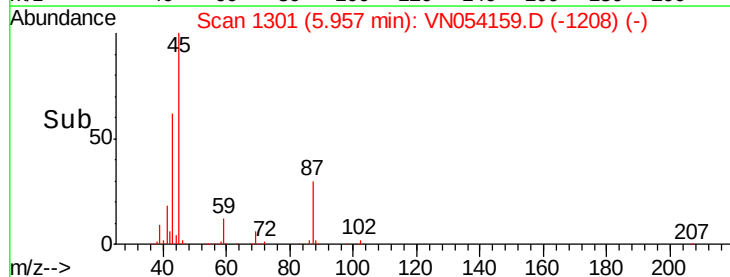
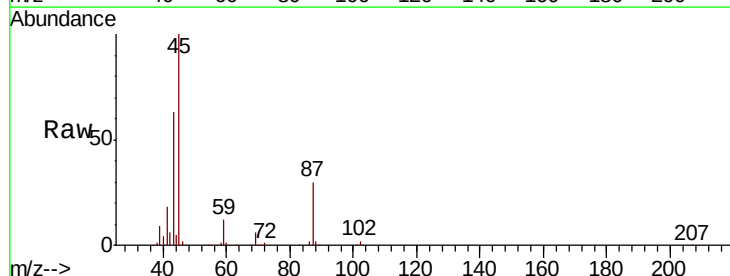
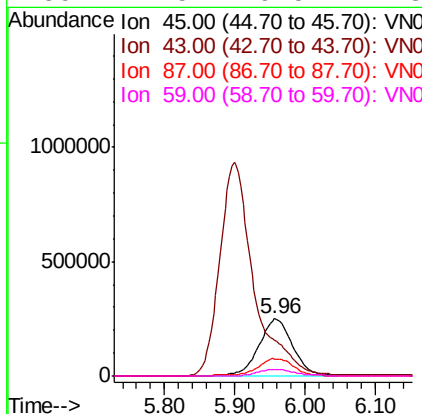
Manual Integrations
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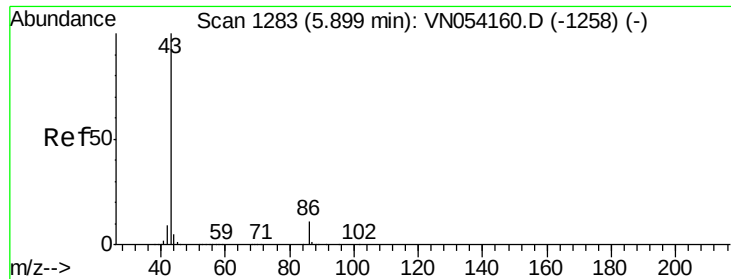
MMDadoda
3/13/2019 11:49:09 AM



#22
Diisopropyl ether
Concen: 20.100 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.9	48.2	72.2
87	29.7	24.9	37.3
59	11.5	9.5	14.3





#23

Vinyl Acetate

Concen: 102.542 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 3165787

Ion Ratio Lower Upper

43 100

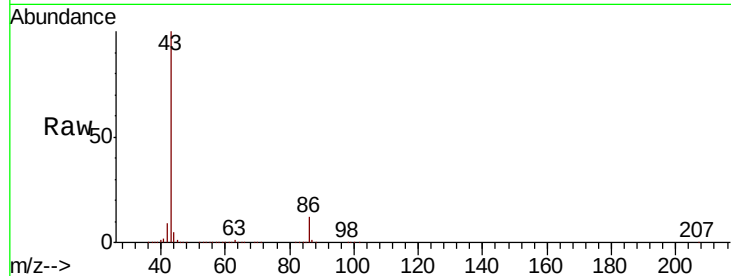
86 11.7 9.1 13.7

Manual Integrations

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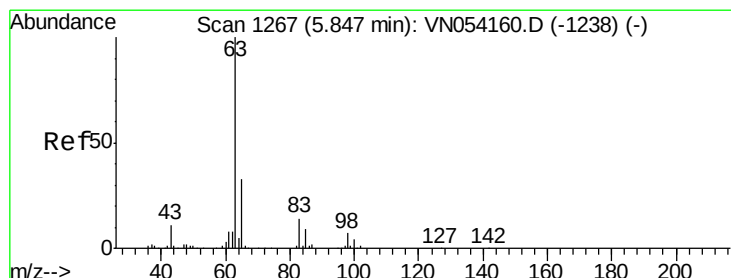
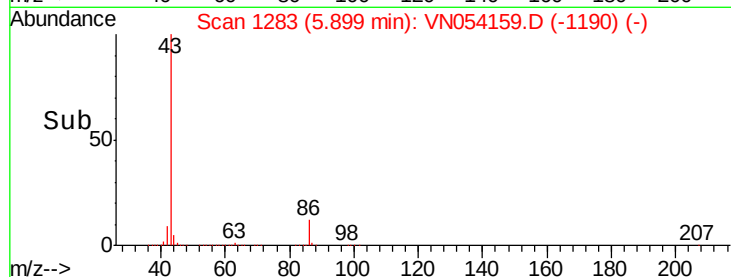
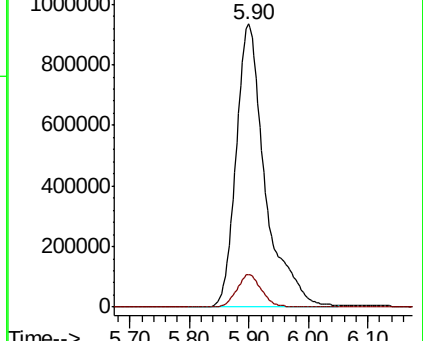
MMDadoda

3/13/2019 11:49:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.603 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

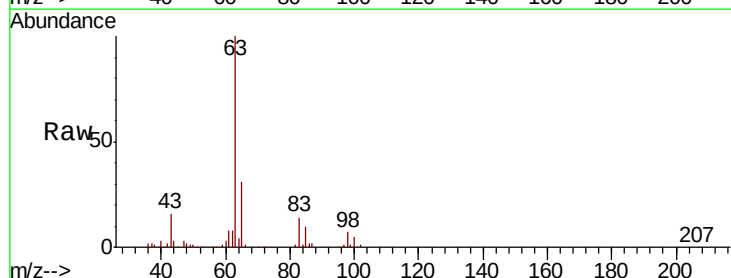
Tgt Ion: 63 Resp: 553938

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

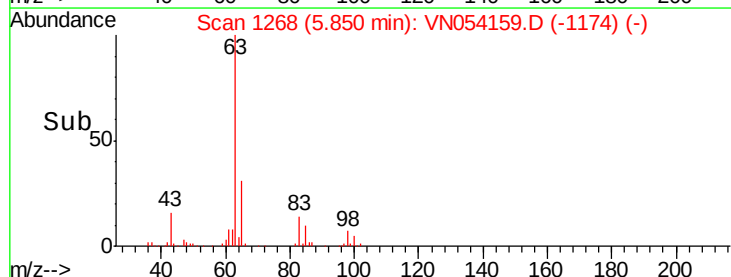
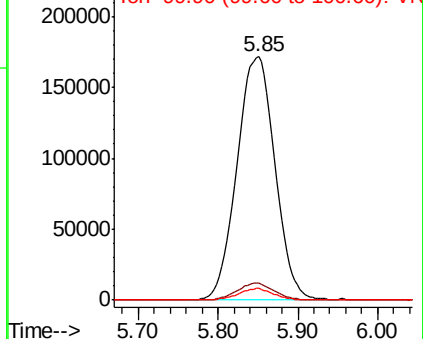
100 4.7 2.0 6.0

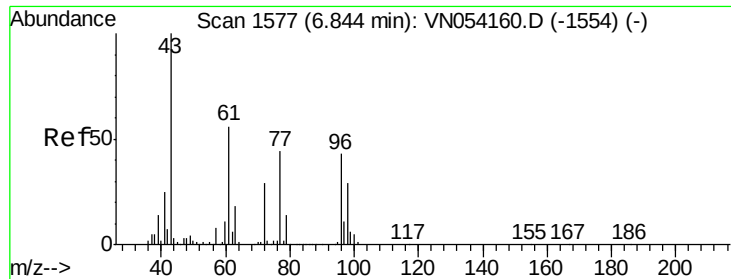


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





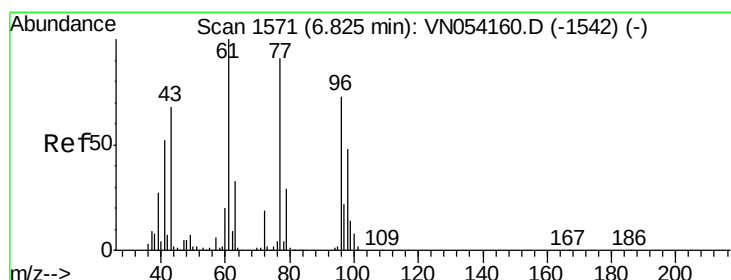
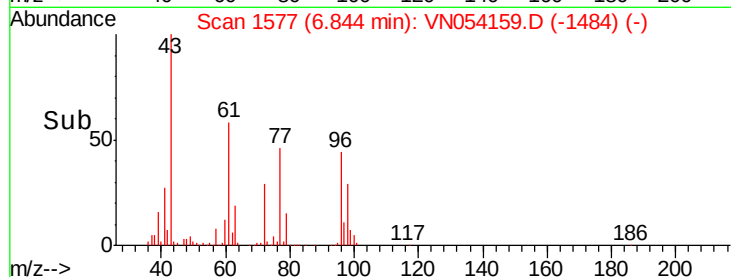
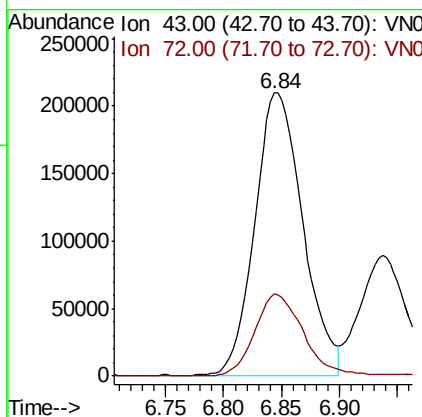
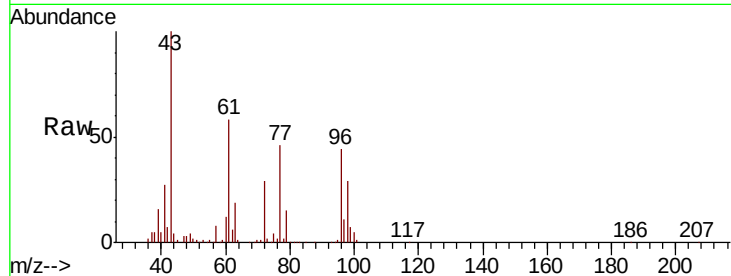
#25
2-Butanone
Concen: 107.182 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 602087
Ion Ratio Lower Upper
43 100
72 29.0 23.0 34.6

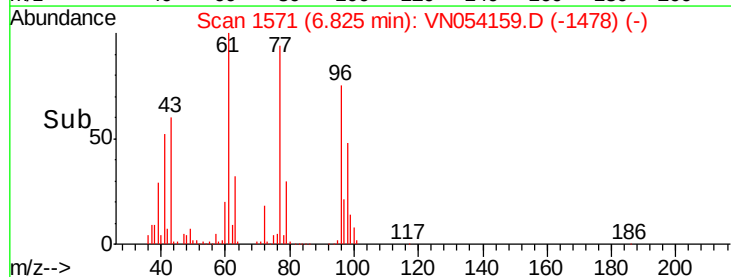
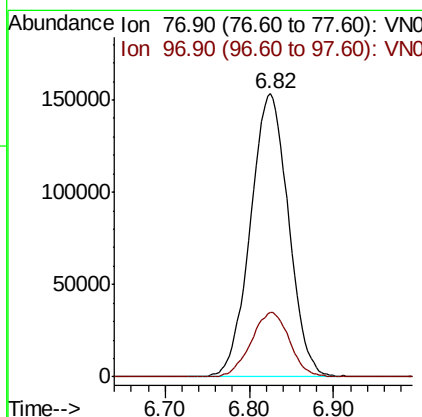
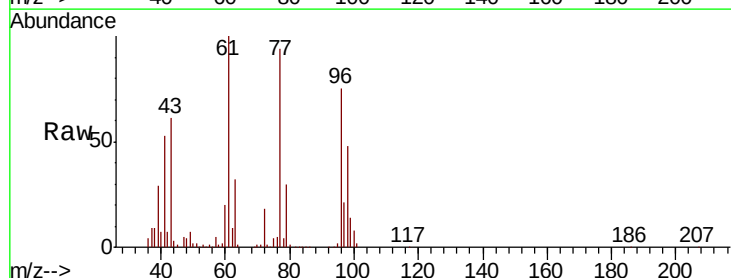
Manual Integrations
APPROVED

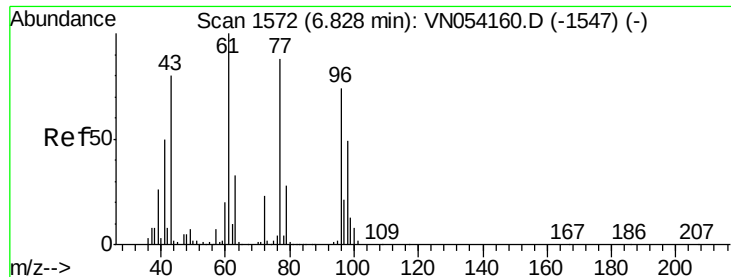
MMDadoda
3/13/2019 11:49:09 AM



#26
2,2-Dichloropropane
Concen: 20.315 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion: 77 Resp: 480305
Ion Ratio Lower Upper
77 100
97 23.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.491 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

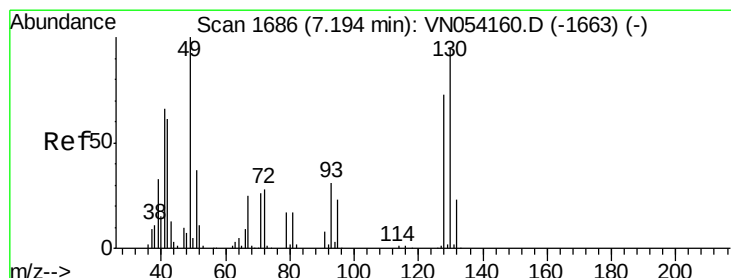
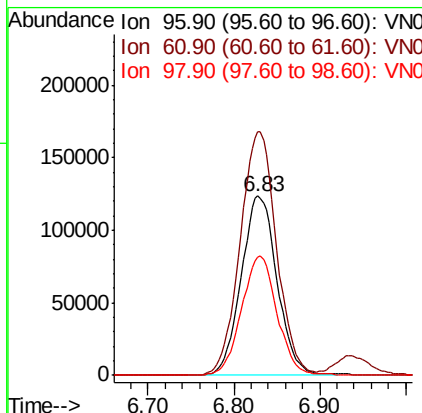
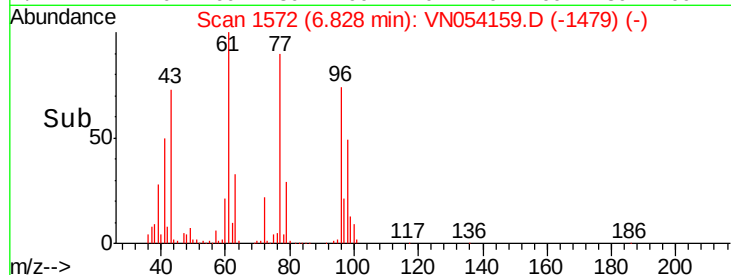
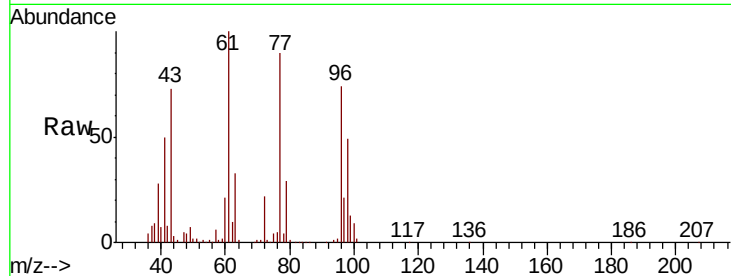
ClientSampleId :

VSTDIC020

Tgt Ion:	96	Resp:	358161
Ion	Ratio	Lower	Upper
96	100		
61	137.4	0.0	273.0
98	65.7	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 20.071 ug/l

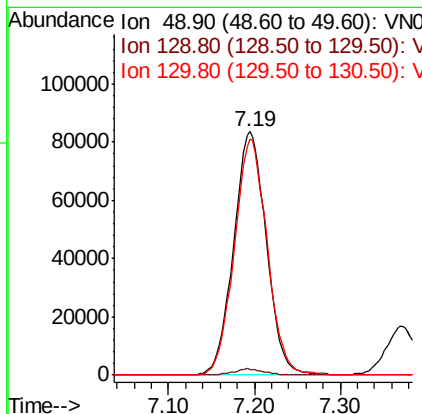
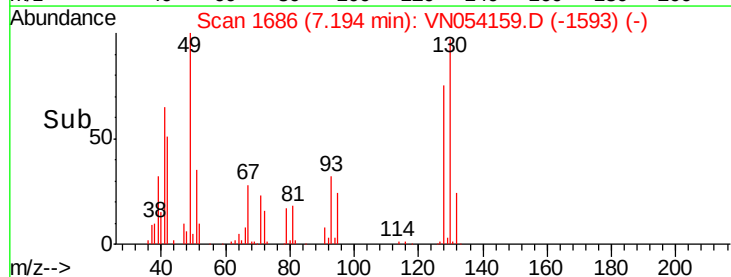
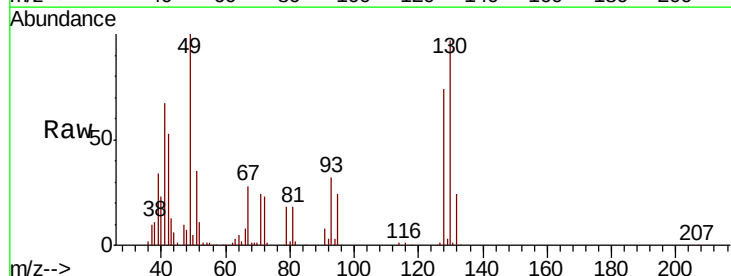
RT: 7.19 min Scan# 1686

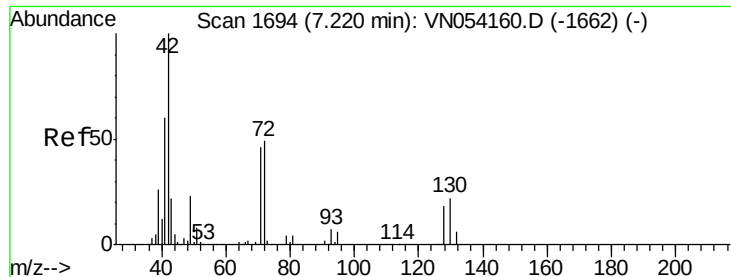
Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Tgt Ion:	49	Resp:	220606
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.6
130	97.2	76.7	115.1





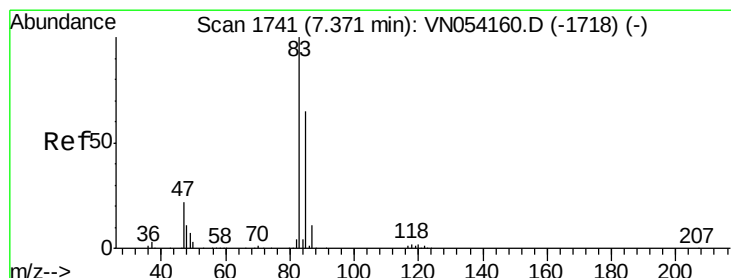
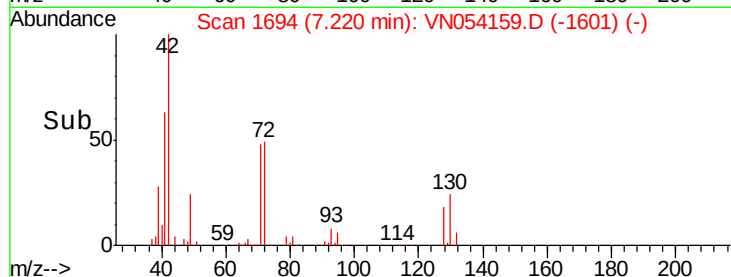
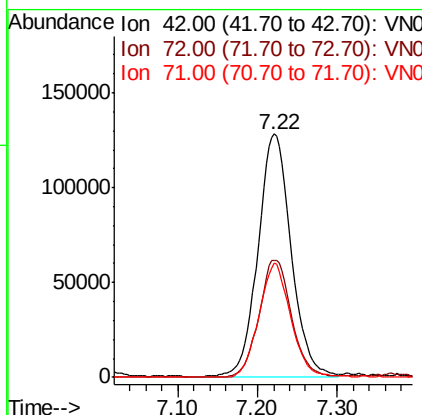
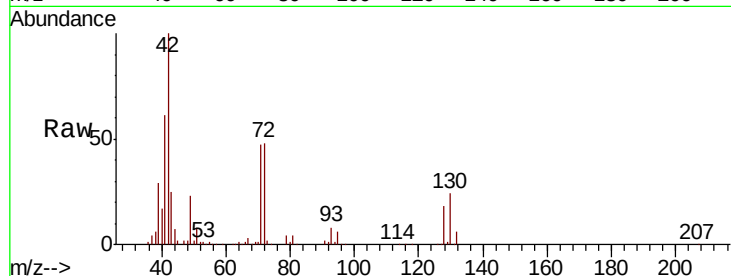
#29
Tetrahydrofuran
Concen: 101.015 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.3	37.8	56.6
71	45.1	36.2	54.2

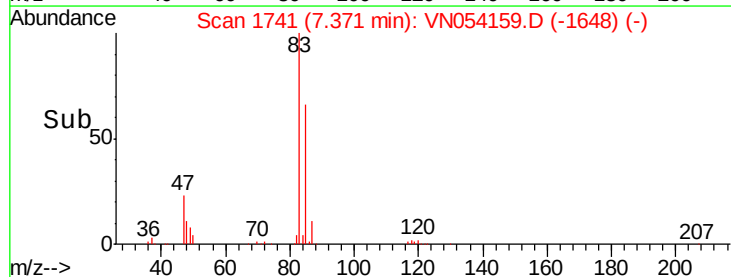
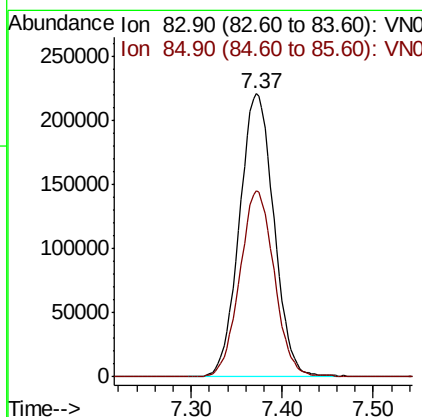
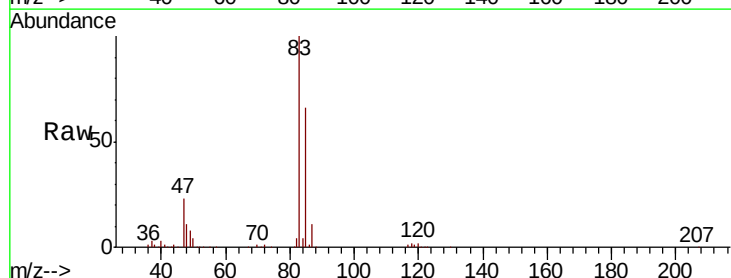
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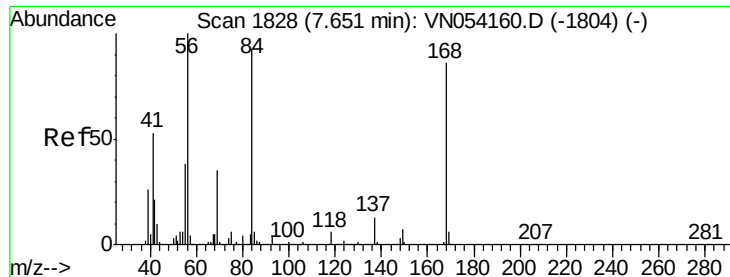
MMDadoda
3/13/2019 11:49:09 AM



#30
Chloroform
Concen: 20.730 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.2	78.4





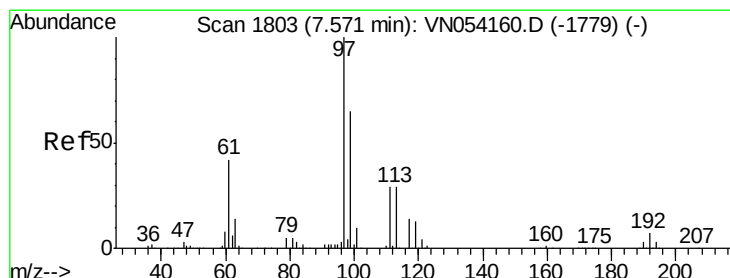
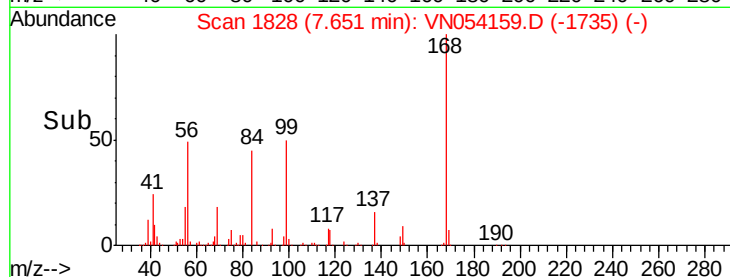
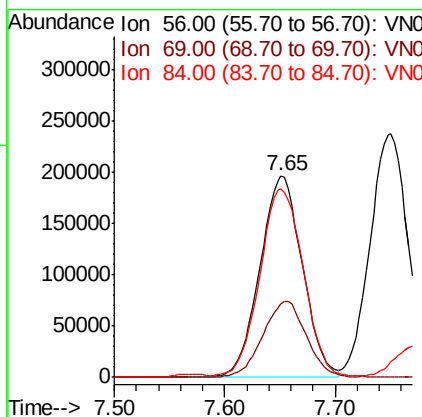
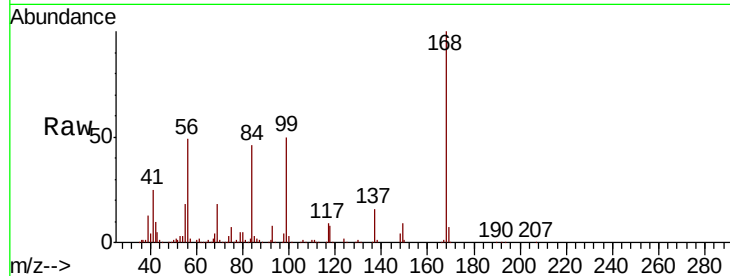
#31
Cyclohexane
Concen: 20.104 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.2	27.8	41.6
84	92.0	74.6	111.8

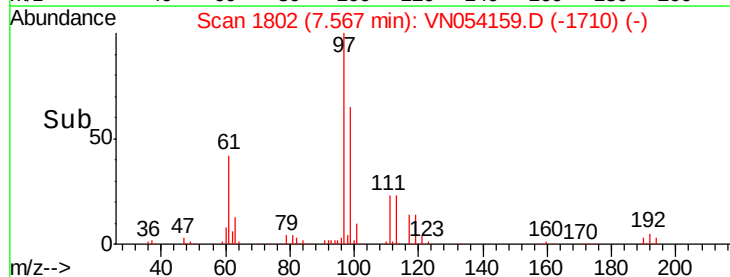
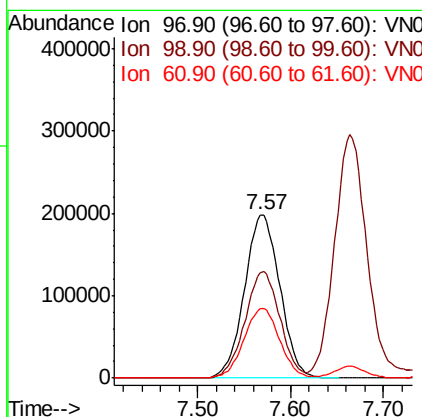
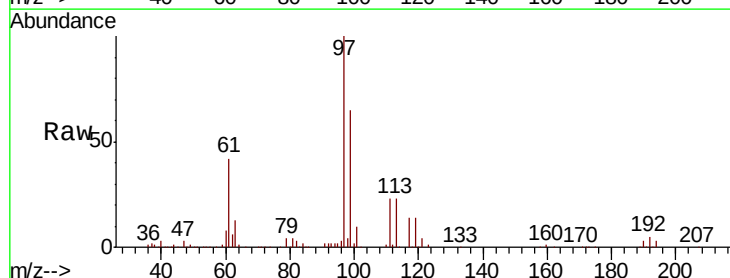
Manual Integrations
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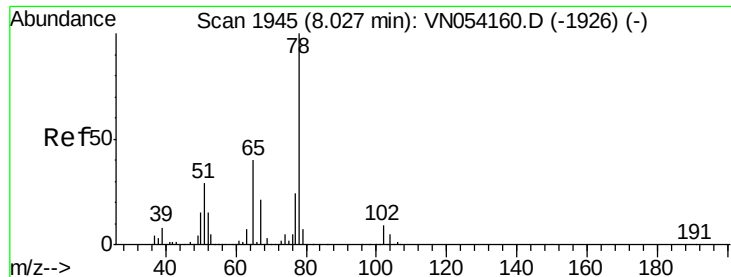
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.757 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.5	77.3
61	43.0	33.6	50.4





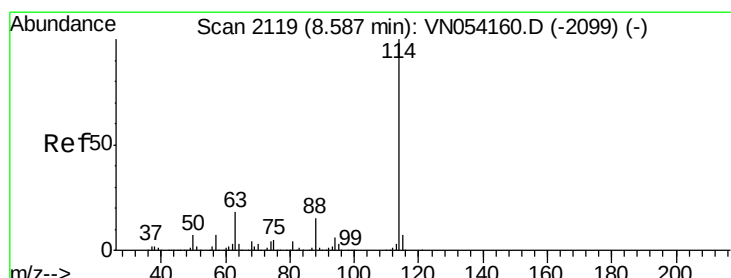
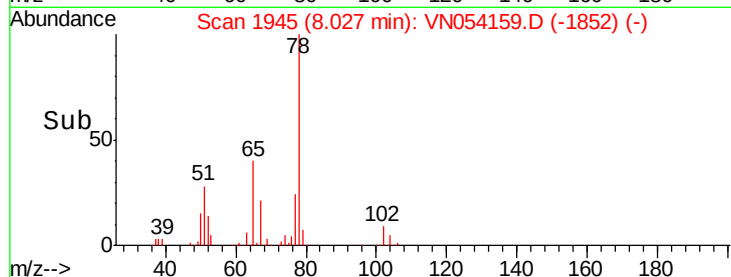
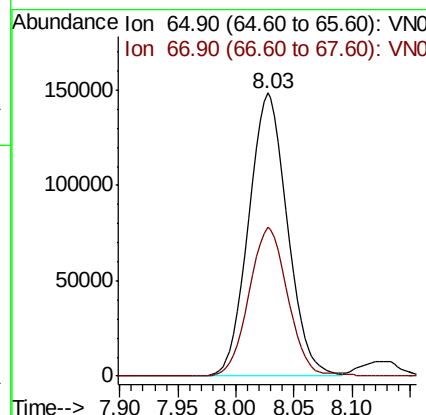
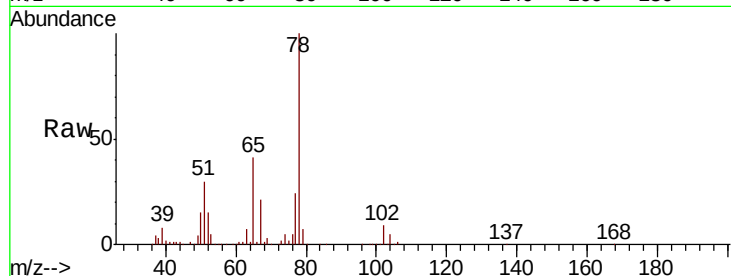
#33
 1,2-Dichloroethane-d4
 Concen: 20.686 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	345788		
67	52.9	0.0	104.6	

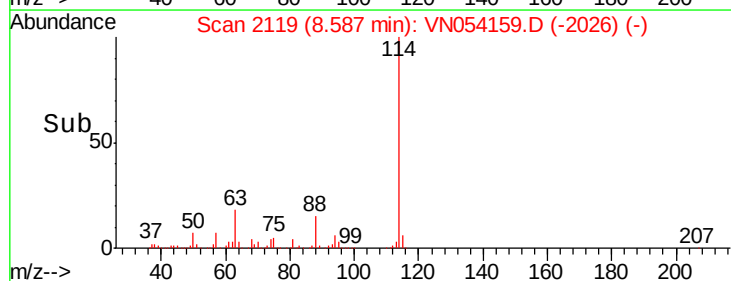
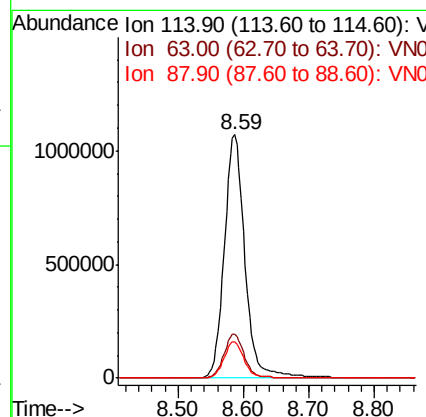
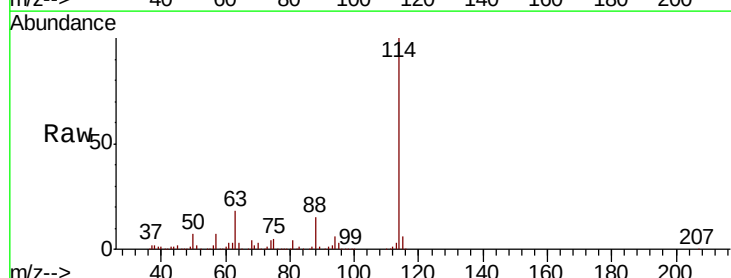
Manual Integrations
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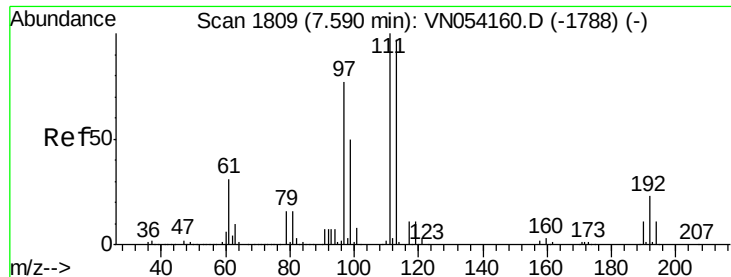
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2353620		
63	18.0	0.0	35.2	
88	14.8	0.0	30.2	





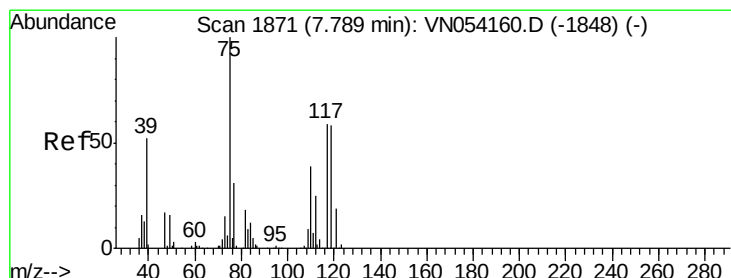
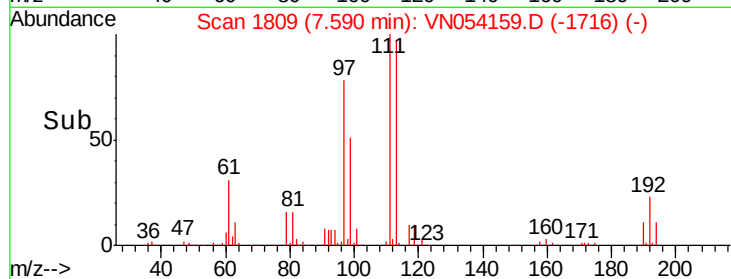
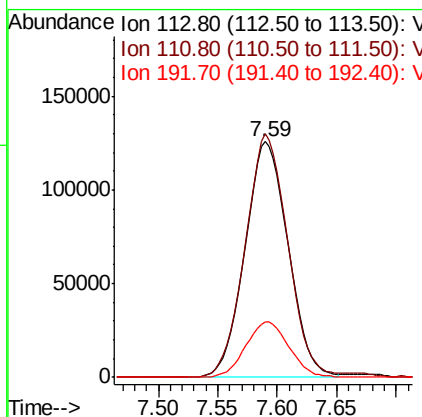
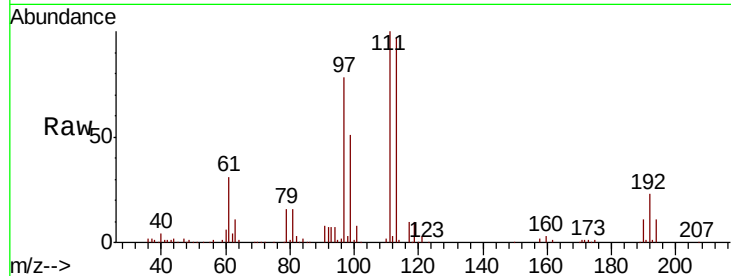
#35
 Dibromofluoromethane
 Concen: 20.812 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	315923		
111	102.0	82.2	123.4	
192	23.6	19.2	28.8	

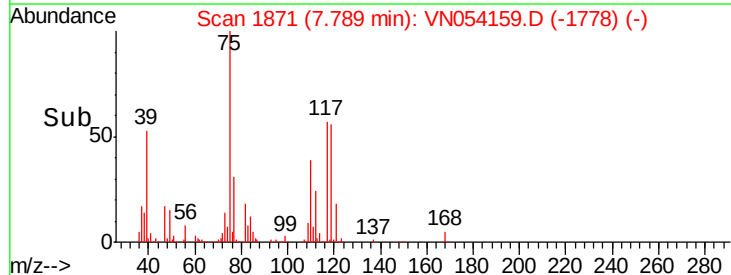
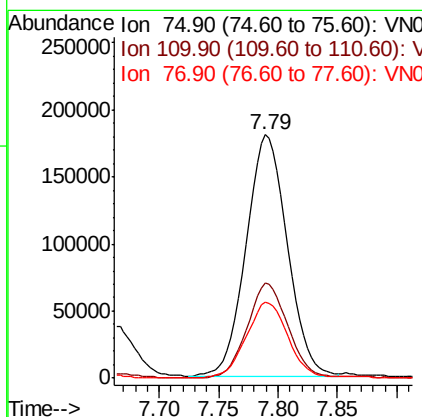
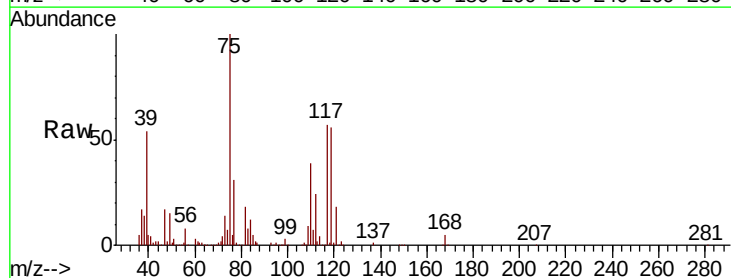
Manual Integrations
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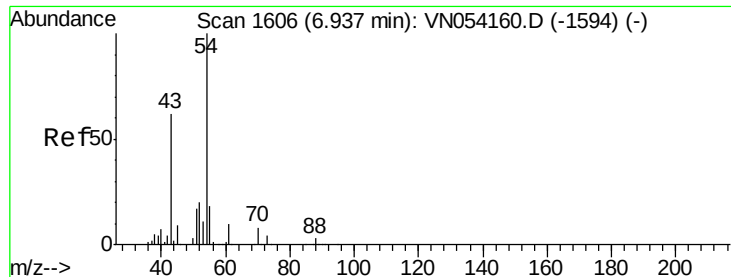
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.913 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	431620		
110	39.6	19.1	57.5	
77	32.0	25.0	37.4	





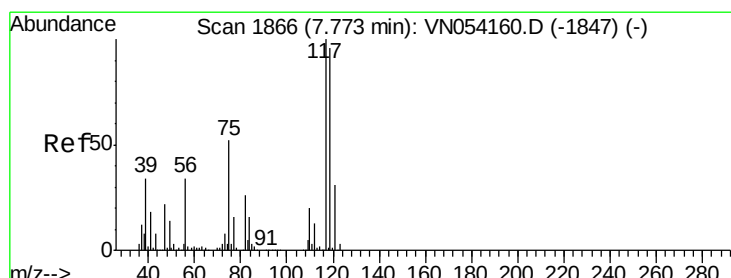
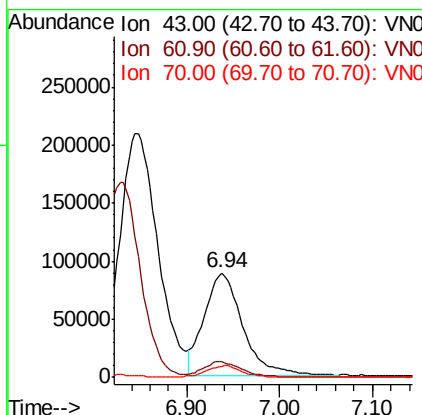
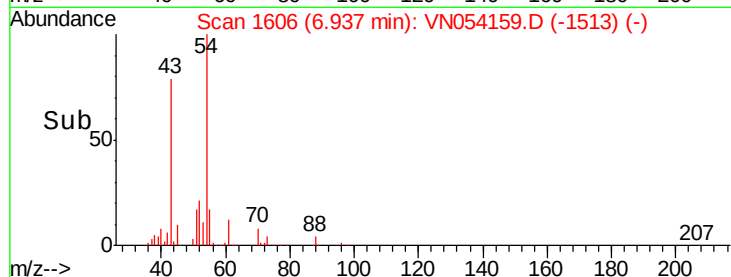
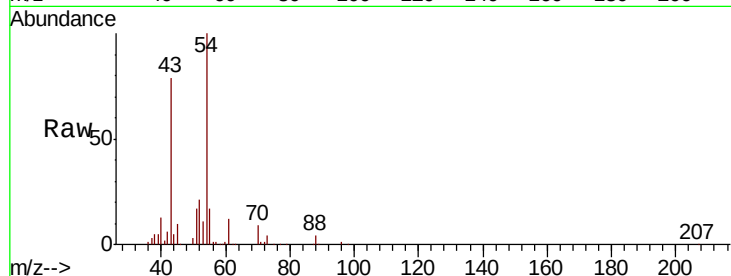
#37
Ethyl Acetate
 Concen: 19.983 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.6
70	10.3	8.4	12.6

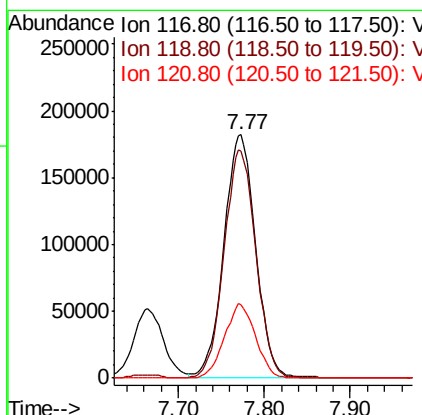
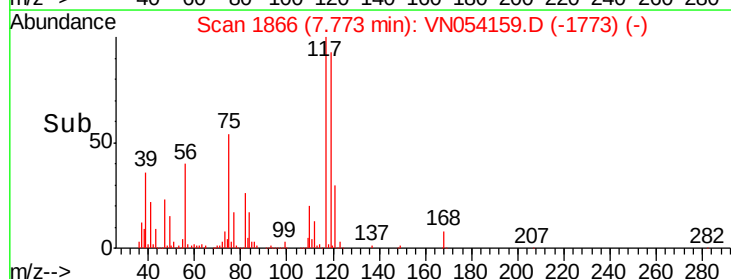
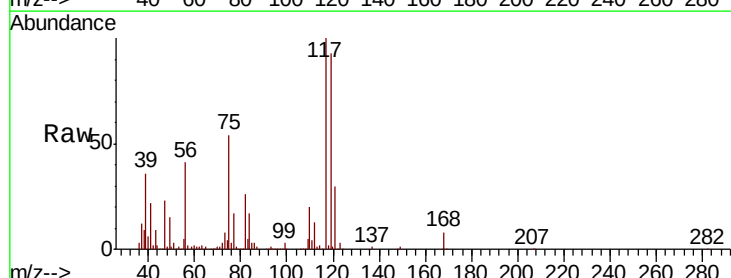
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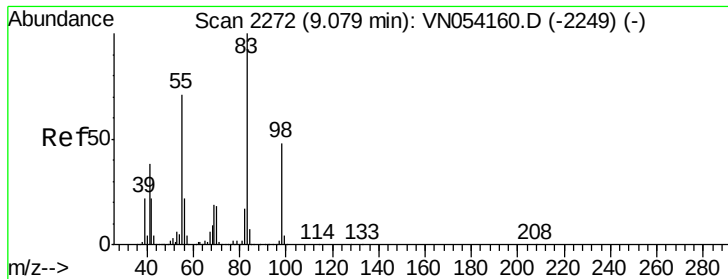
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#38
Carbon Tetrachloride
 Concen: 20.442 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.3	114.5
121	30.4	24.6	36.8





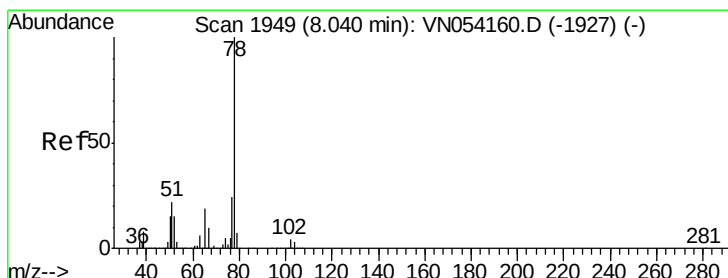
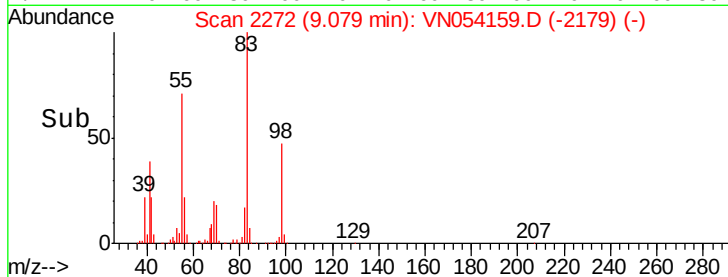
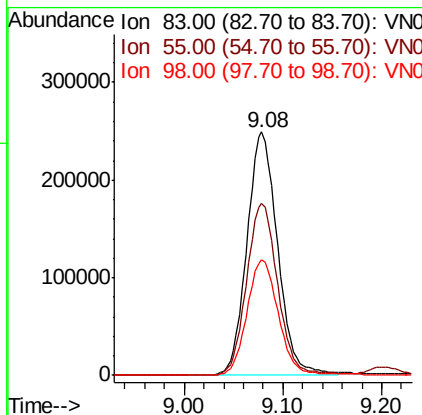
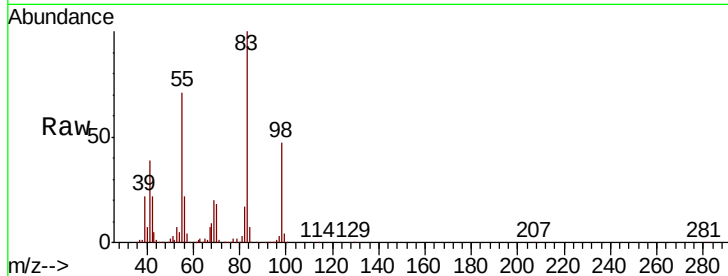
#39
Methylcyclohexane
Concen: 20.072 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.9	56.6	84.8
98	47.3	38.4	57.6

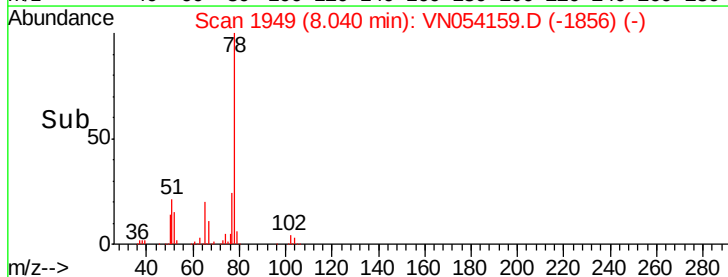
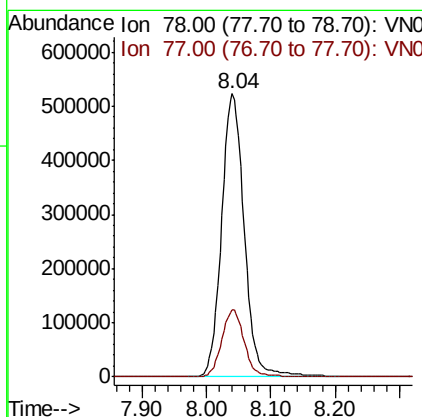
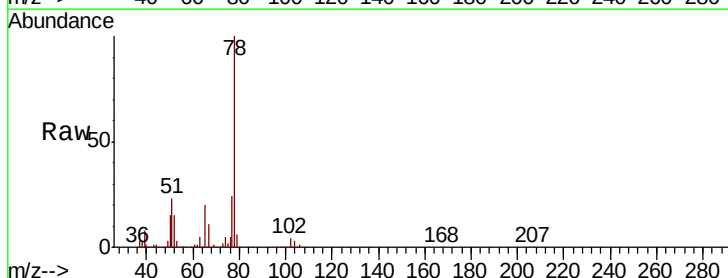
Manual Integrations
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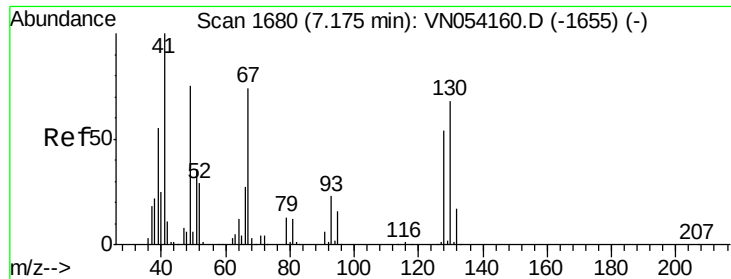
MMDadoda
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#40
Benzene
Concen: 20.706 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





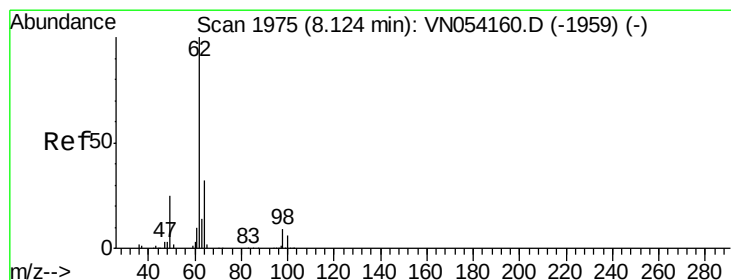
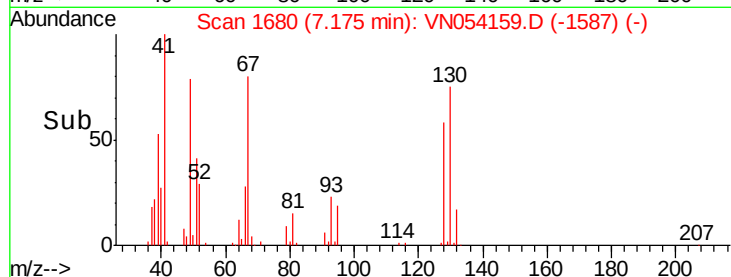
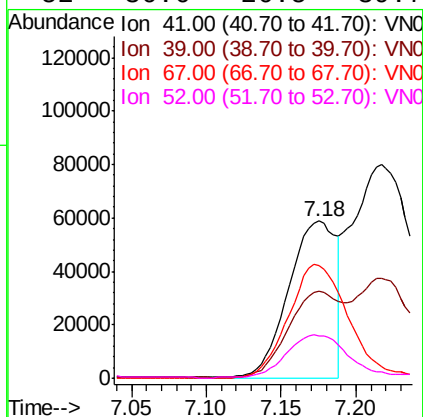
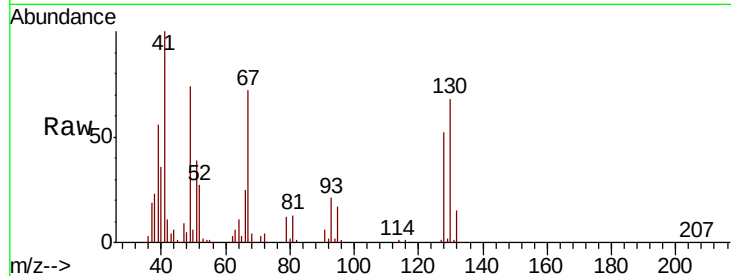
#41
Methacrylonitrile
Concen: 18.898 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.6	46.8	70.2
67	92.5	67.0	100.4
52	36.6	26.5	39.7

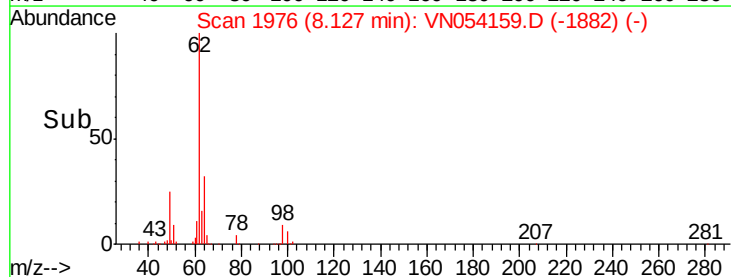
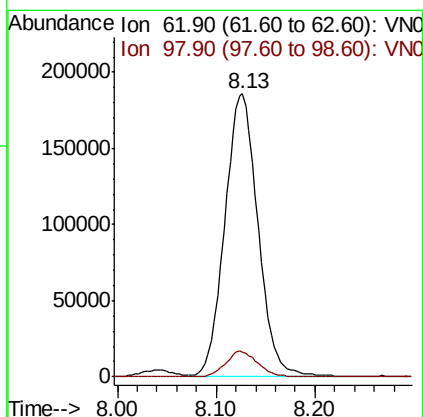
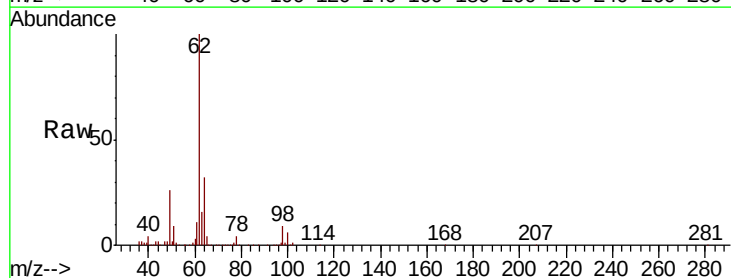
Manual Integrations
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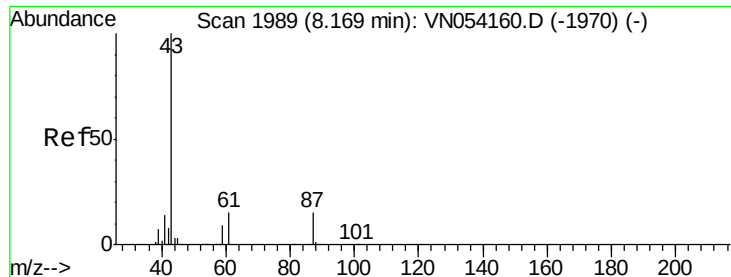
MMDadoda
3/13/2019 11:49:09 AM



#42
1,2-Dichloroethane
Concen: 20.690 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.4





#43

Isopropyl Acetate

Concen: 19.936 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

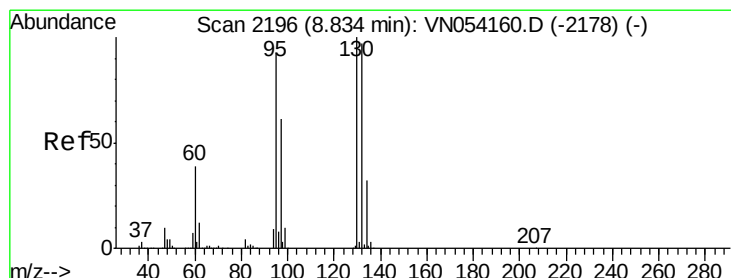
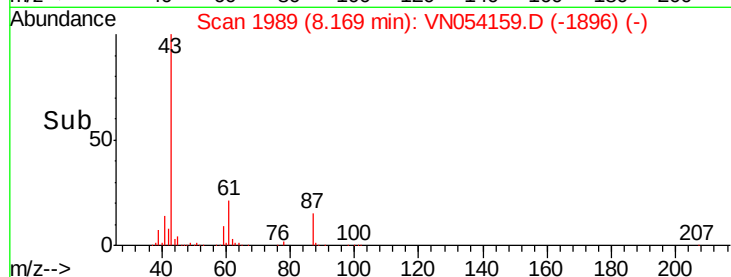
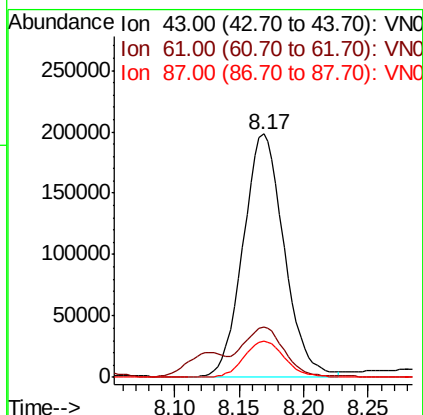
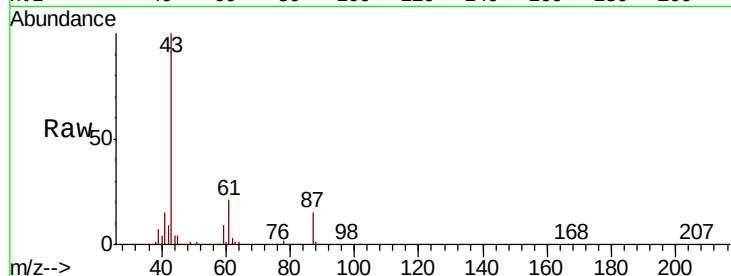
ClientSampled :

VSTDIC020

Tgt Ion:	43	Resp:	435804
Ion	Ratio	Lower	Upper
43	100		
61	20.6	15.8	23.8
87	15.0	12.0	18.0

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#44

Trichloroethene

Concen: 20.767 ug/l

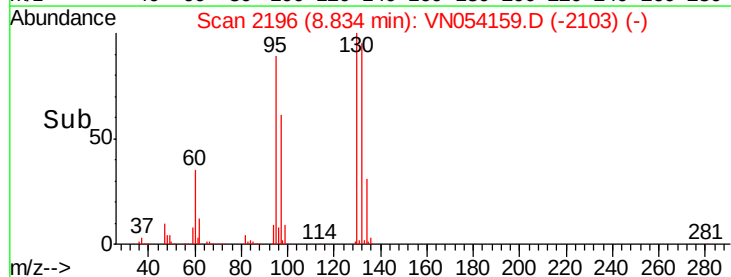
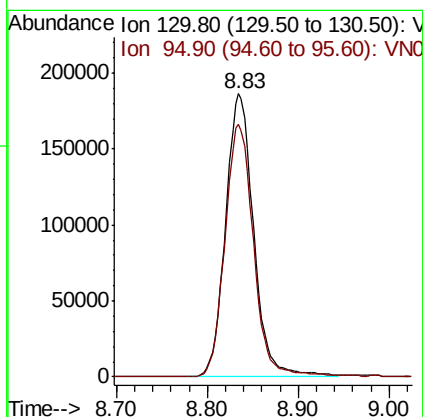
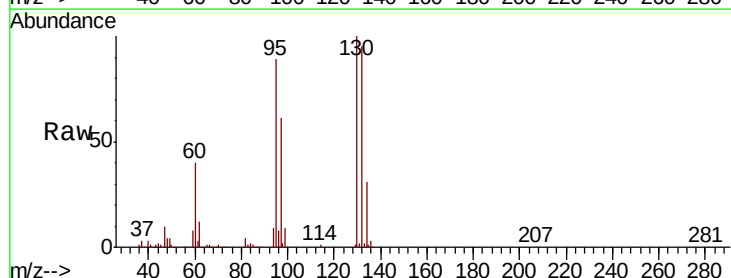
RT: 8.83 min Scan# 2196

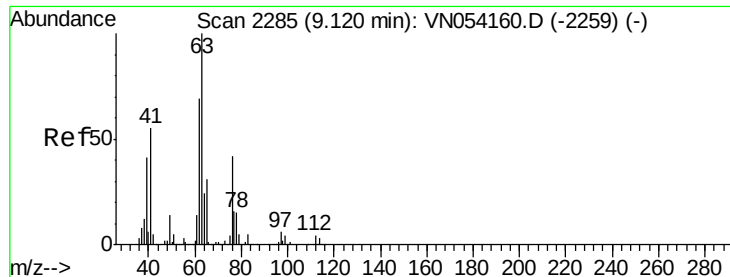
Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Tgt Ion:	130	Resp:	400137
Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	185.2





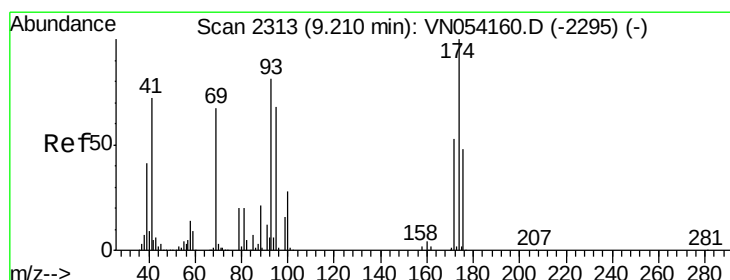
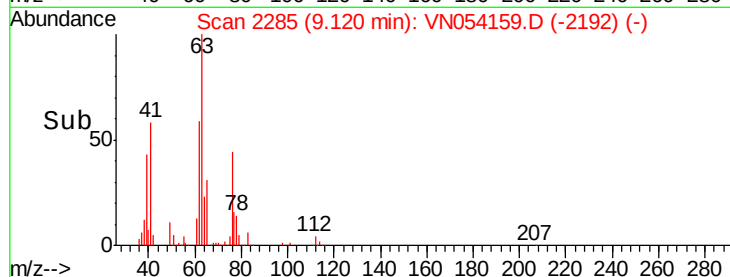
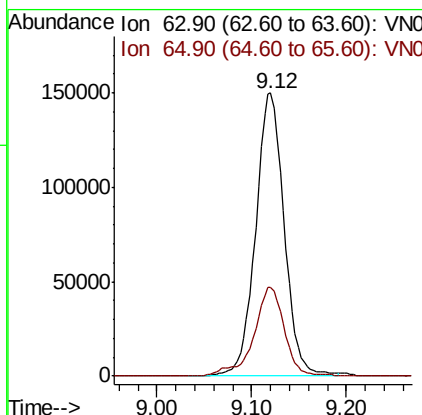
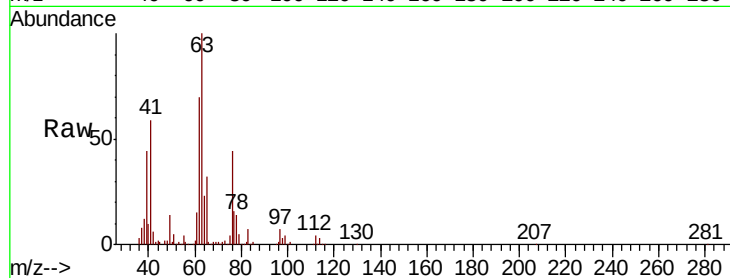
#45
 1,2-Dichloropropane
 Concen: 20.437 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 63 Resp: 314758
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6

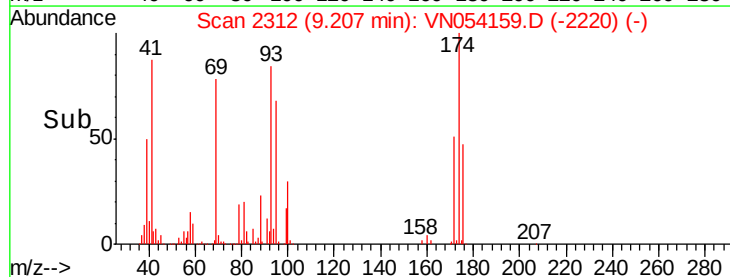
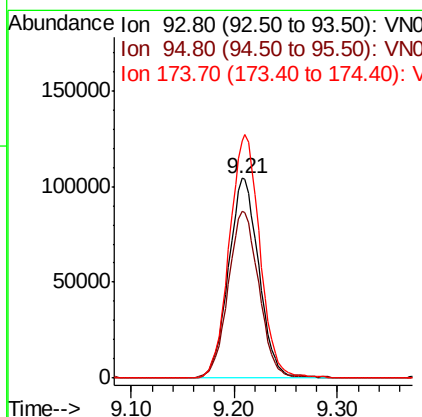
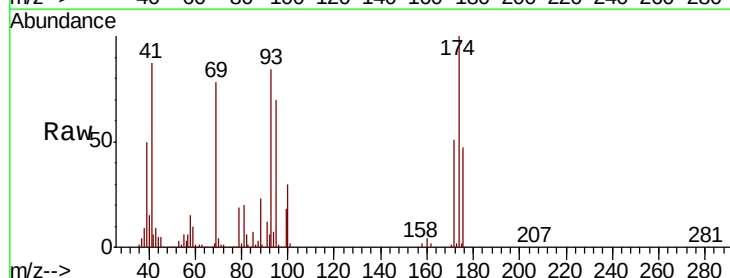
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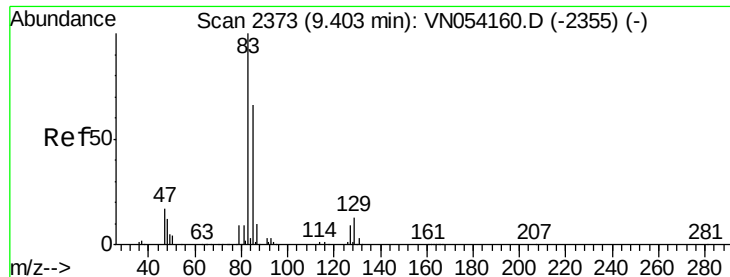
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#46
 Dibromomethane
 Concen: 20.599 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Tgt Ion: 93 Resp: 214358
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.7 100.1
 174 121.7 98.5 147.7





#47

Bromodichloromethane

Concen: 20.824 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

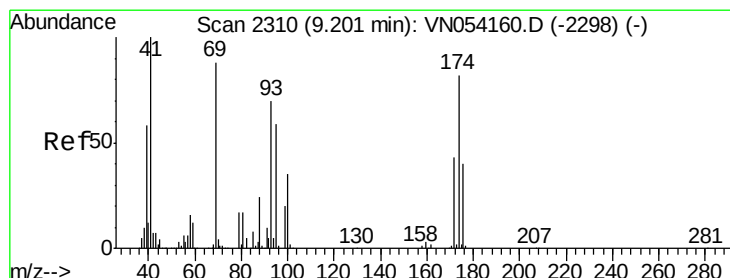
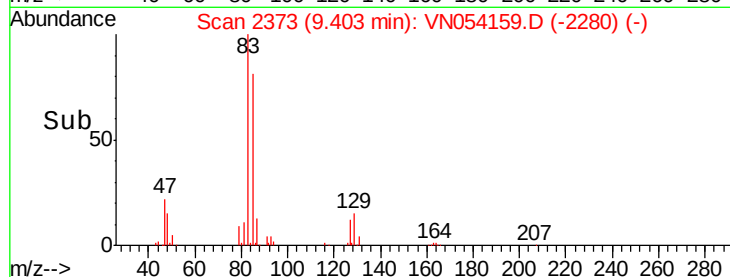
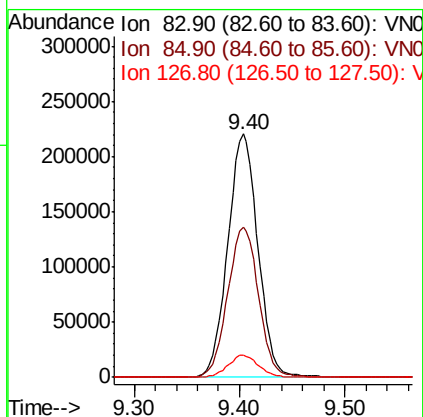
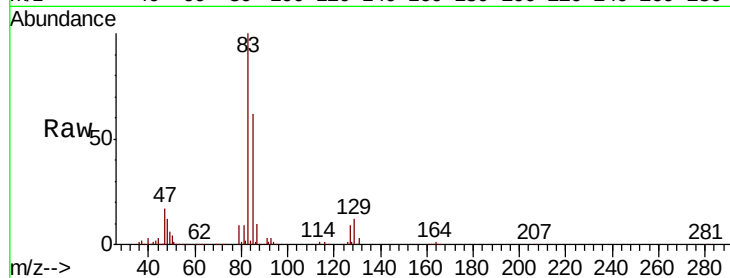
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	434417
Ion Ratio	Lower	Upper	
83	100		
85	61.9	52.8	79.2
127	9.1	7.4	11.2

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#48

Methyl methacrylate

Concen: 20.669 ug/l

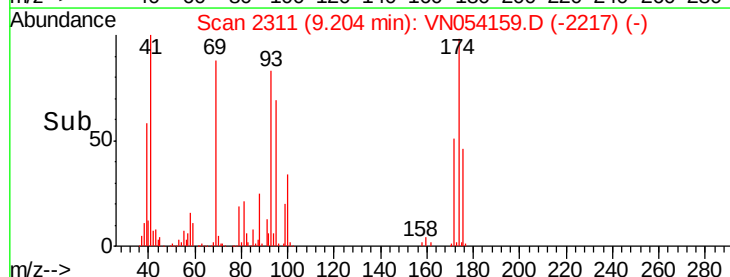
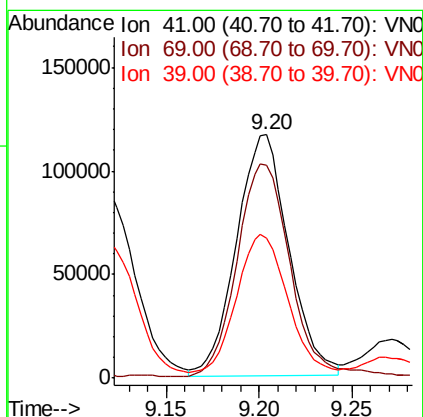
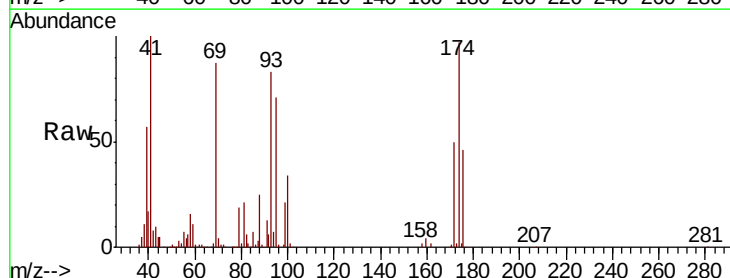
RT: 9.20 min Scan# 2311

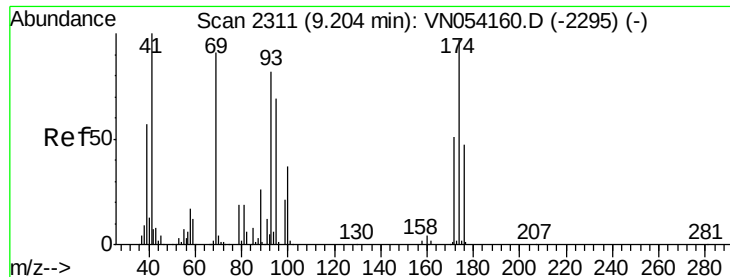
Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Tgt Ion:	41	Resp:	229298
Ion Ratio	Lower	Upper	
41	100		
69	89.9	72.6	108.8
39	58.7	47.5	71.3





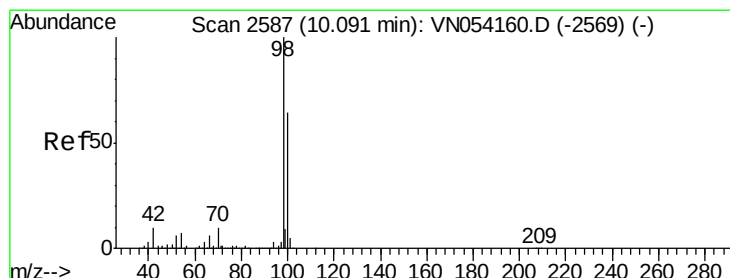
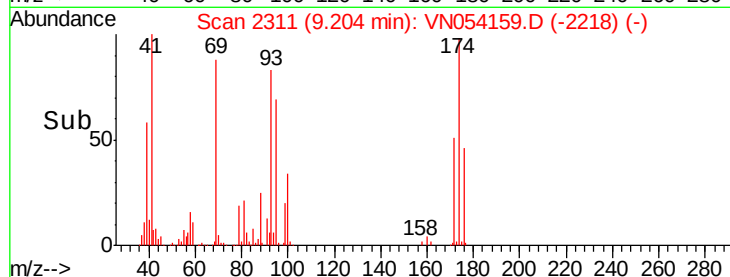
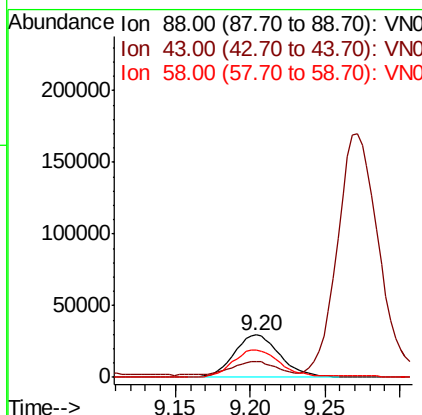
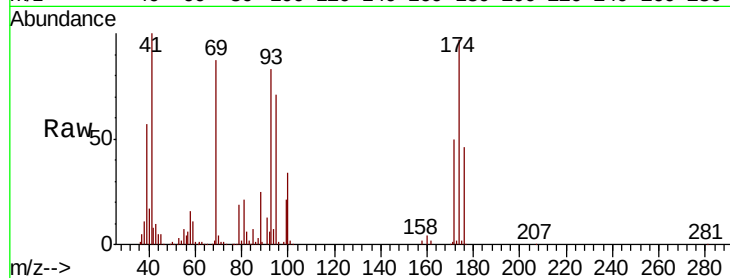
#49
1,4-Dioxane
Concen: 402.224 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.5	24.1	36.1
58	66.3	50.8	76.2

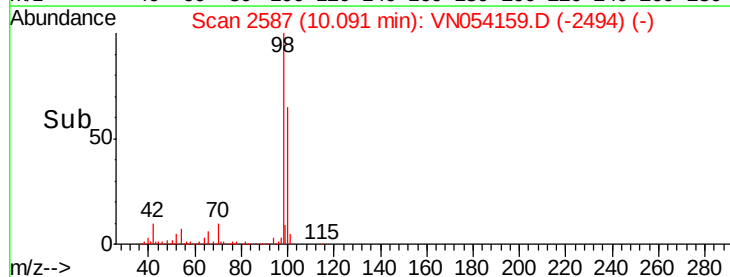
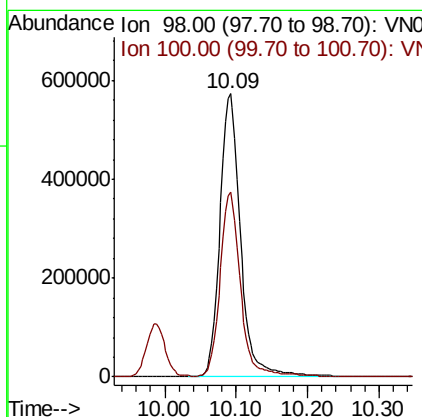
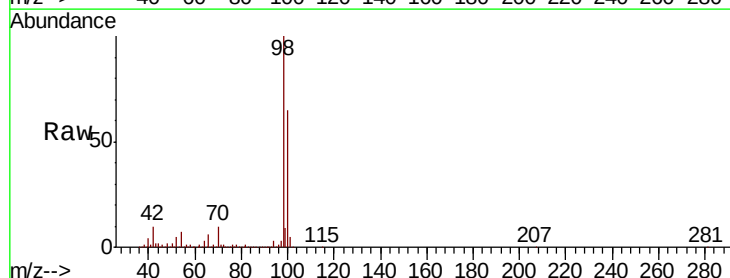
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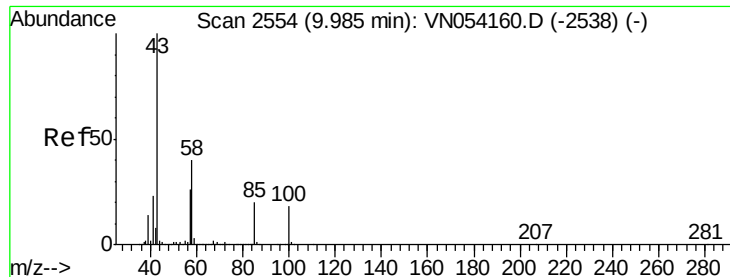
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#50
Toluene-d8
Concen: 20.531 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





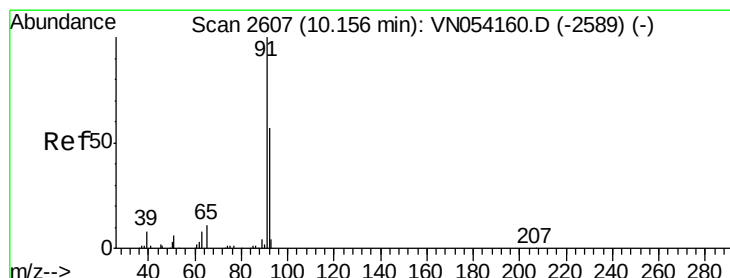
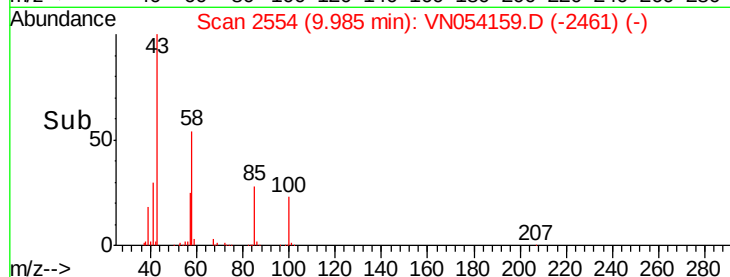
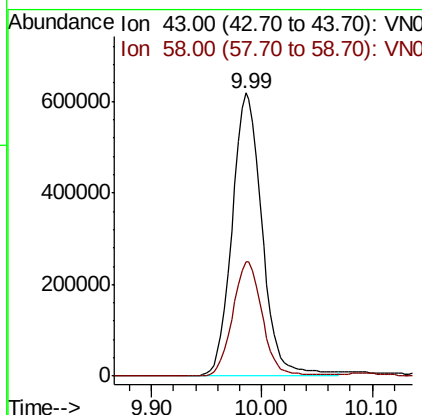
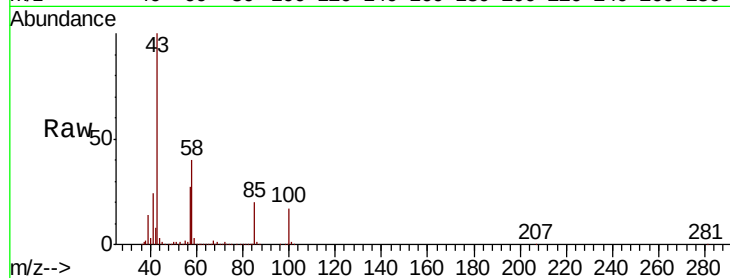
#51
4-Methyl-2-Pentanone
Concen: 100.285 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 1160166
Ion Ratio Lower Upper
43 100
58 39.8 31.8 47.6

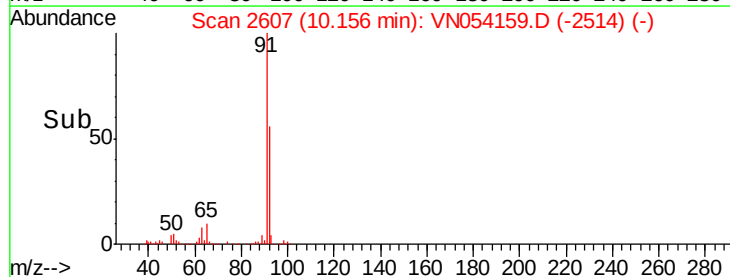
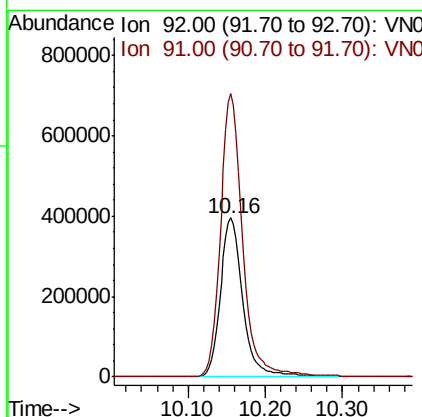
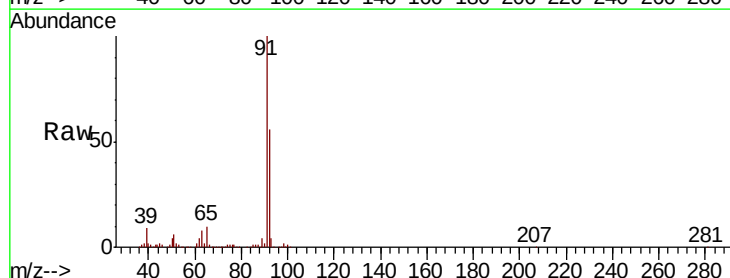
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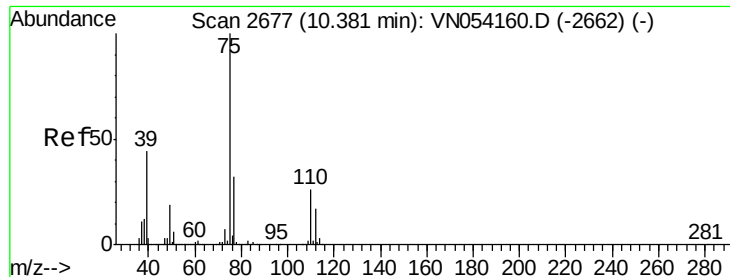
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#52
Toluene
Concen: 20.372 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion: 92 Resp: 801186
Ion Ratio Lower Upper
92 100
91 176.6 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 19.384 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tgt Ion: 75 Resp: 432301

Ion Ratio Lower Upper

75 100

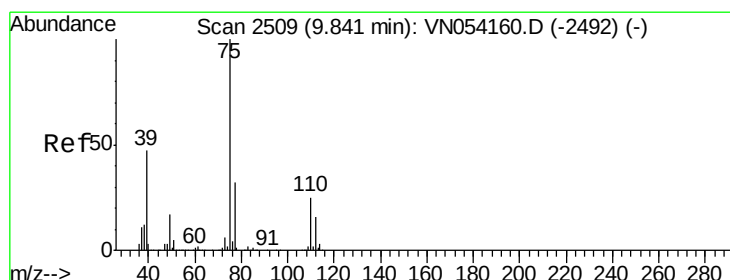
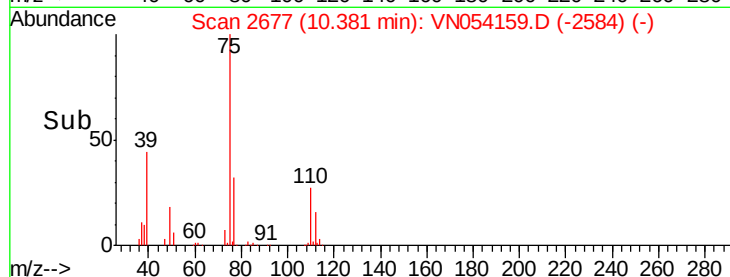
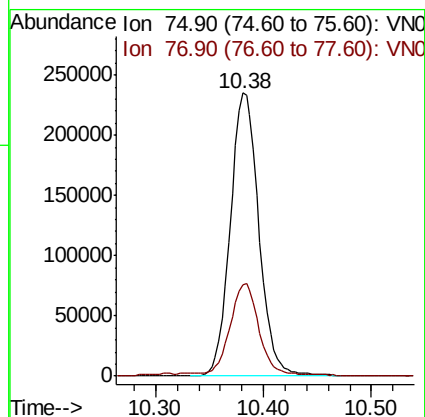
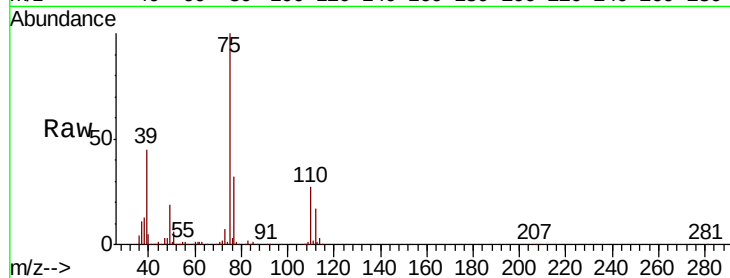
77 32.0 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.479 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

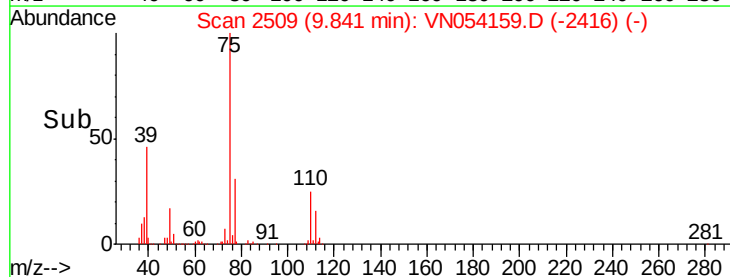
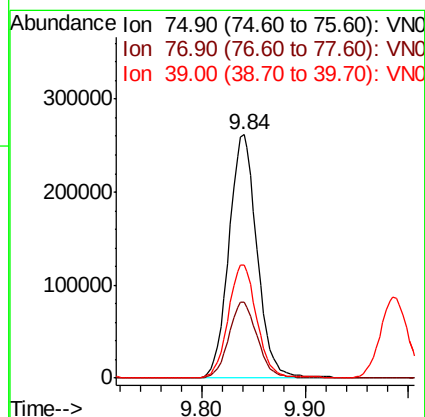
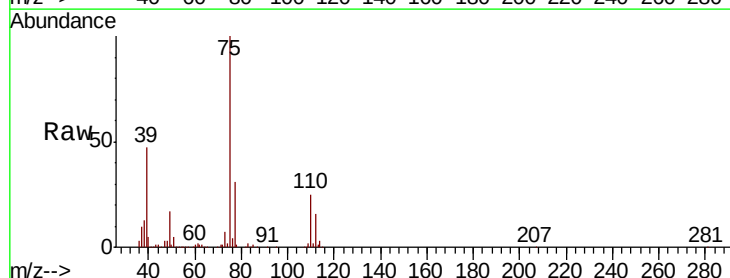
Tgt Ion: 75 Resp: 497841

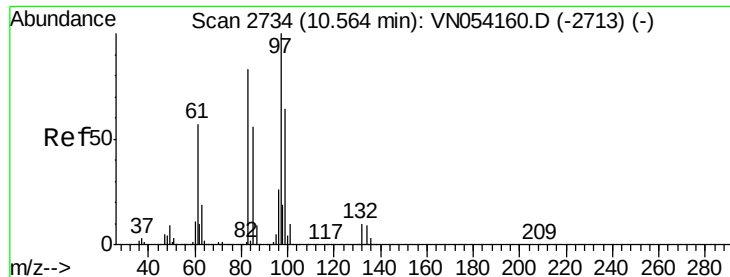
Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

39 46.4 37.2 55.8





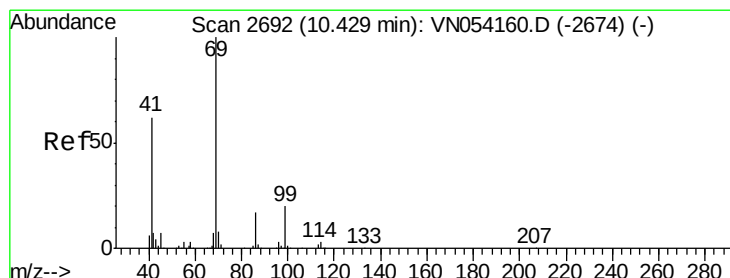
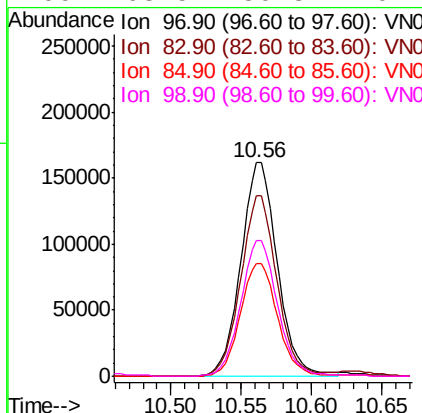
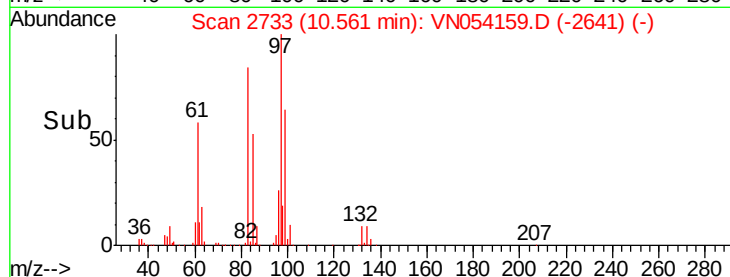
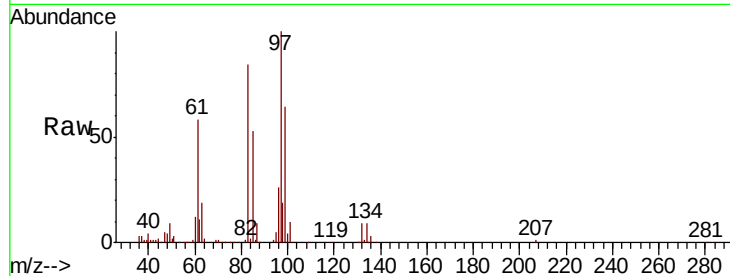
#55
 1,1,2-Trichloroethane
 Concen: 20.453 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.3	66.6	100.0
85	53.0	44.4	66.6
99	63.5	50.8	76.2

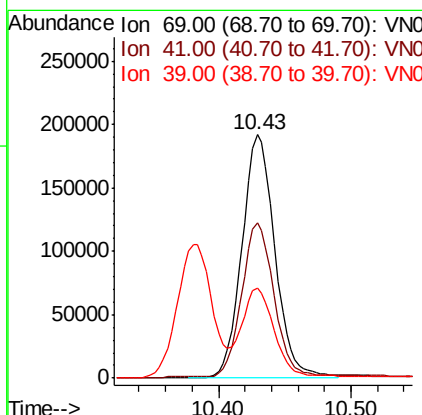
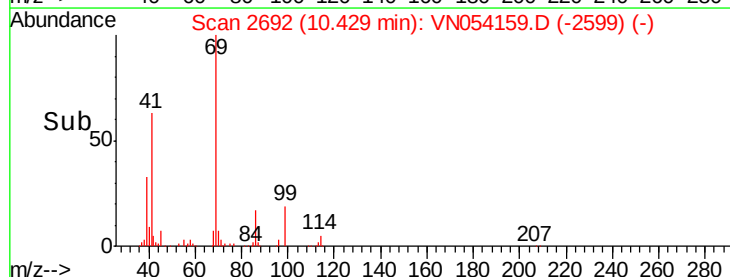
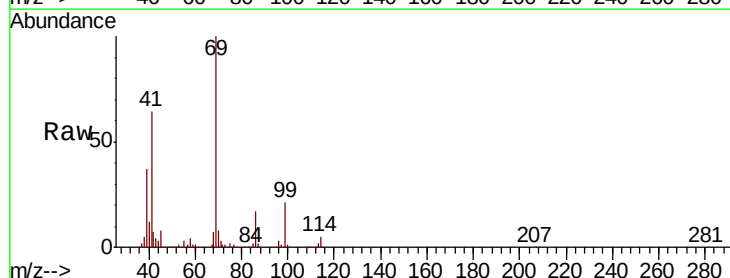
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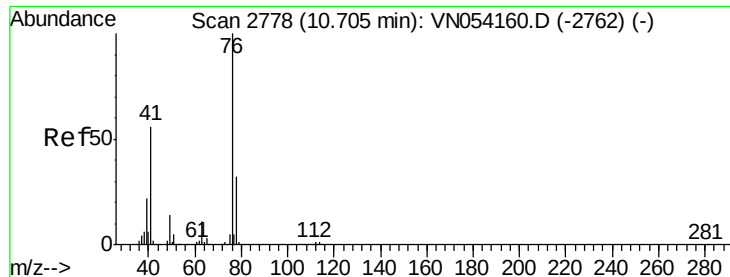
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#56
 Ethyl methacrylate
 Concen: 19.442 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.0	49.4	74.2
39	36.6	28.3	42.5





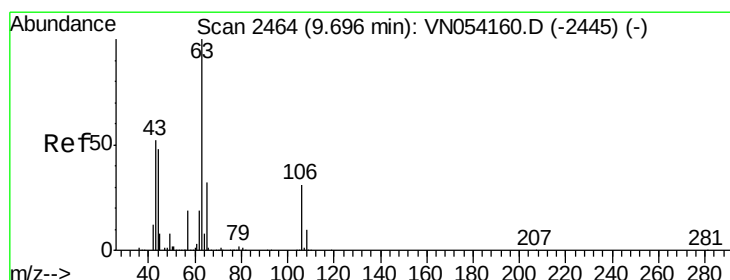
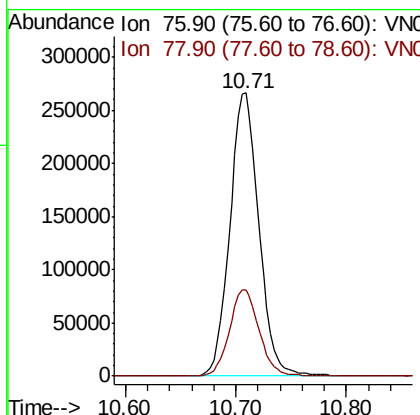
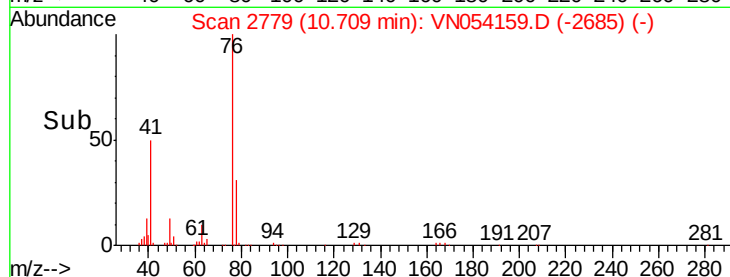
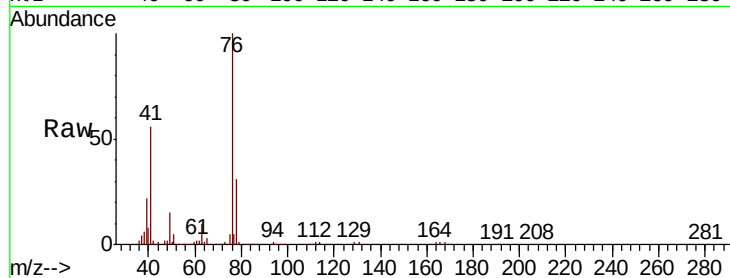
#57
 1,3-Dichloropropane
 Concen: 20.707 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 76 Resp: 486217
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.7 38.5

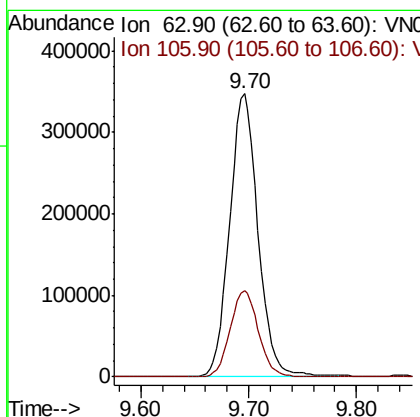
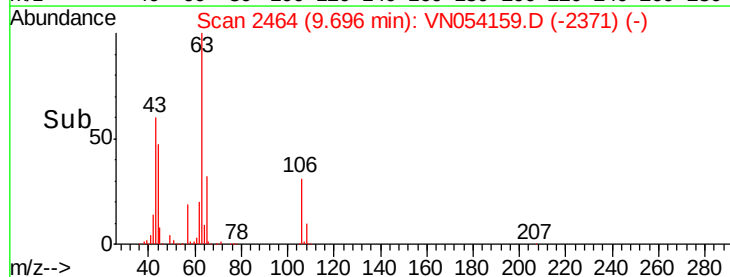
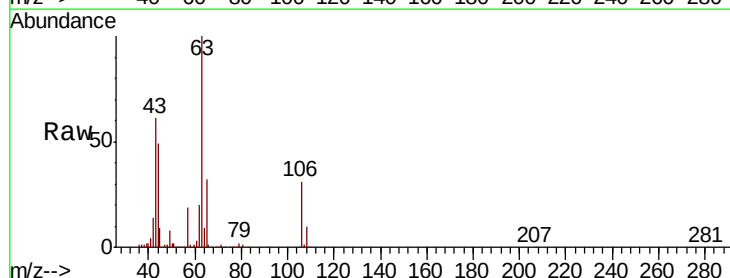
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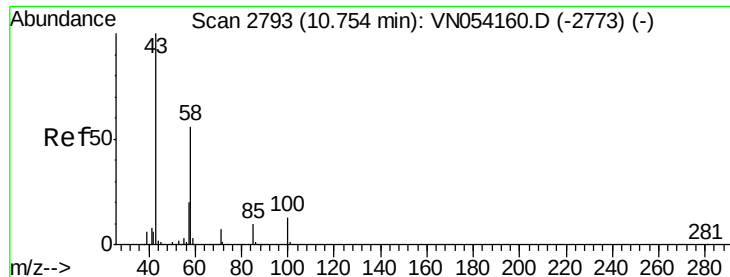
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#58
 2-Chloroethyl Vinyl ether
 Concen: 97.068 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Tgt Ion: 63 Resp: 639078
 Ion Ratio Lower Upper
 63 100
 106 30.4 24.4 36.6





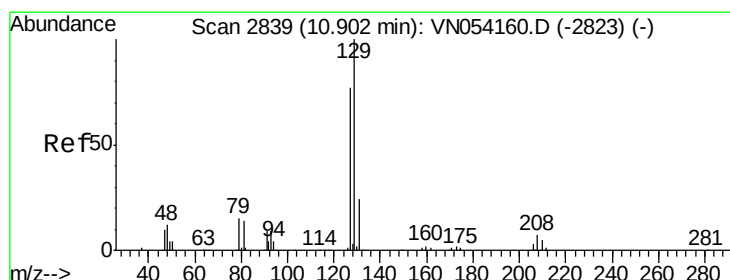
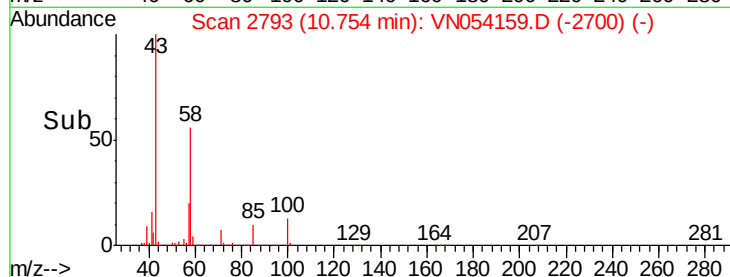
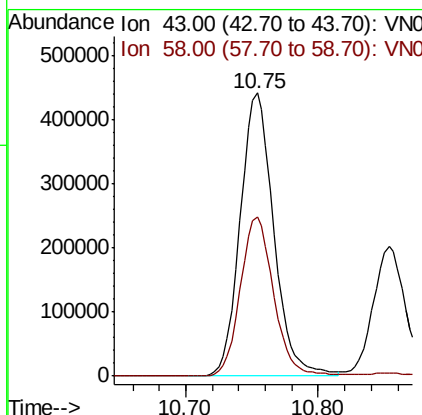
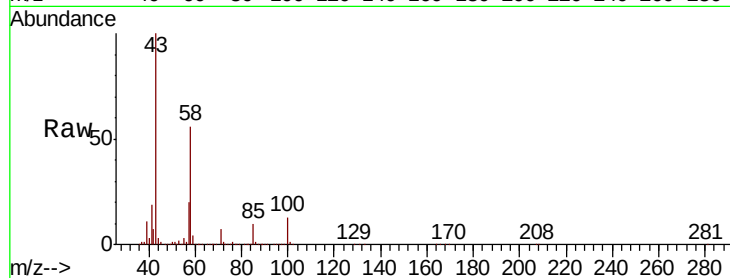
#59
2-Hexanone
Concen: 100.488 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 773534
Ion Ratio Lower Upper
43 100
58 56.3 28.0 83.9

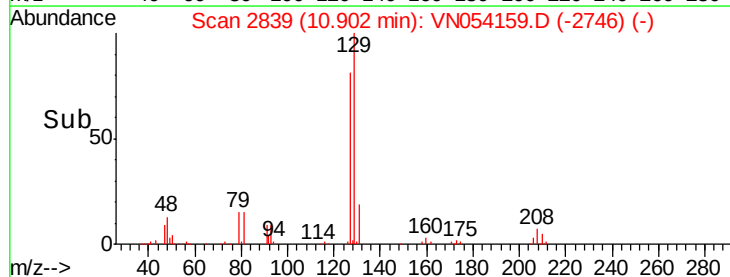
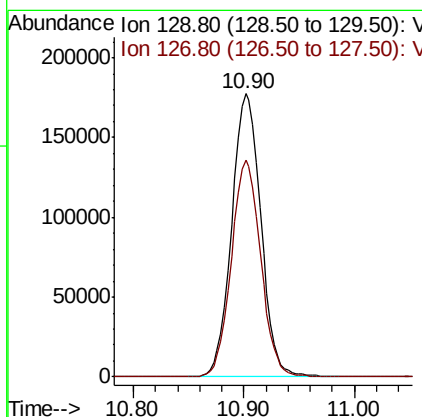
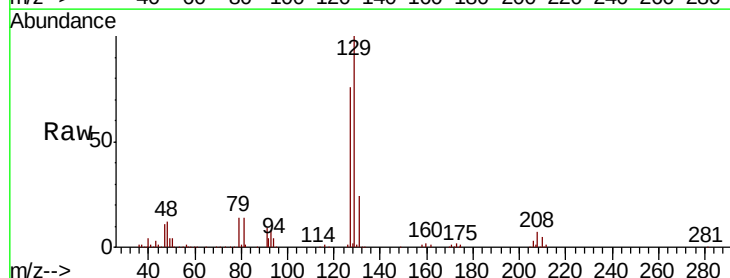
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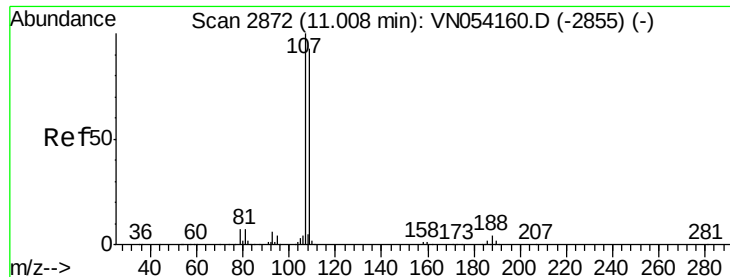
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#60
Dibromochloromethane
Concen: 20.181 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion: 129 Resp: 326183
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





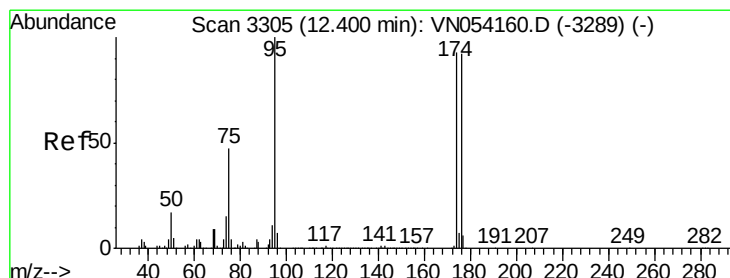
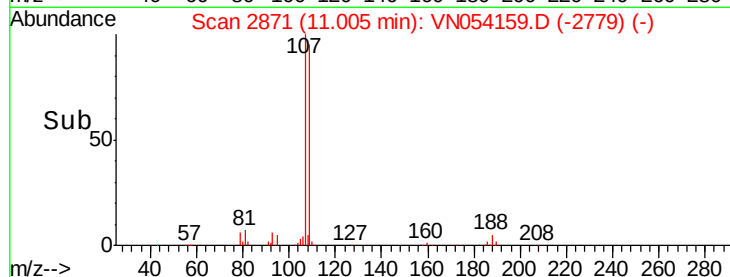
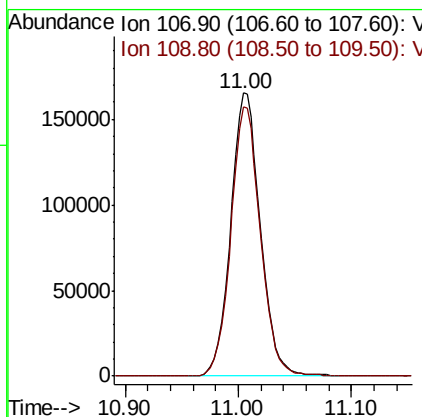
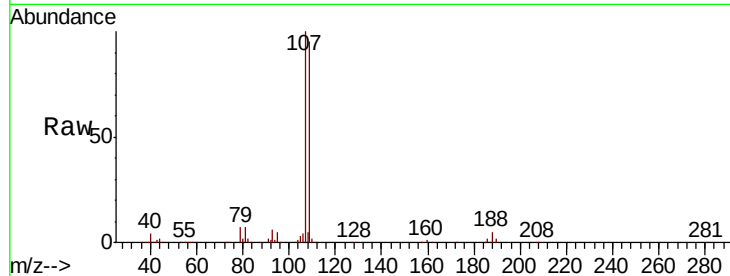
#61
1,2-Dibromoethane
Concen: 20.600 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.9	113.9

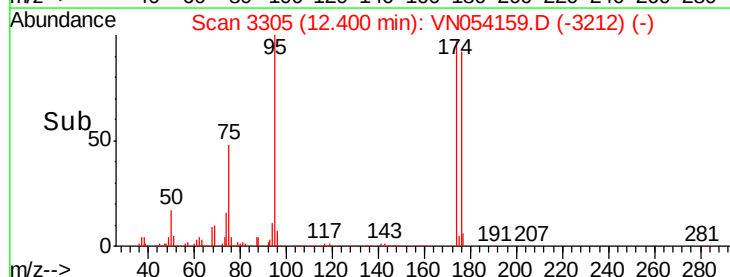
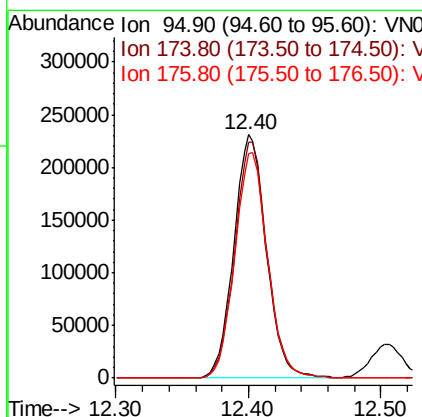
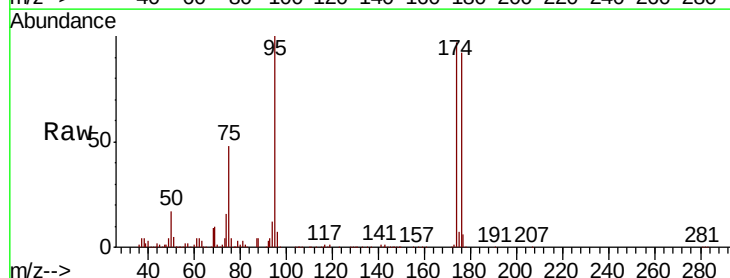
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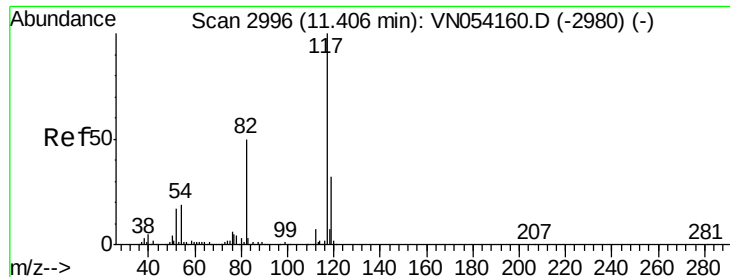
MMDadoda
3/13/2019 11:49:09 AM



#62
4-Bromofluorobenzene
Concen: 20.002 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.3	0.0	191.0
176	93.4	0.0	187.4





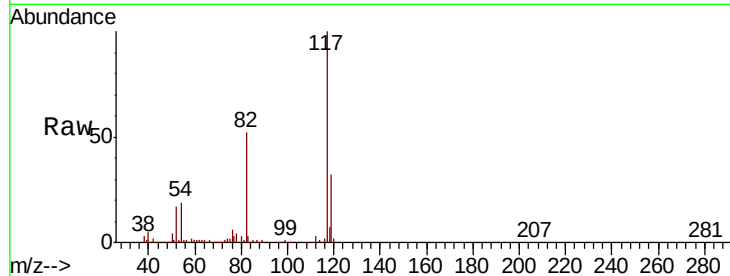
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

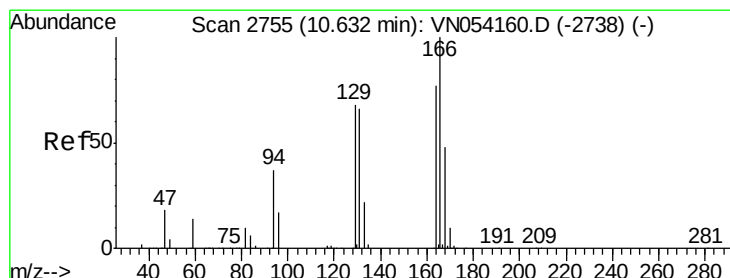
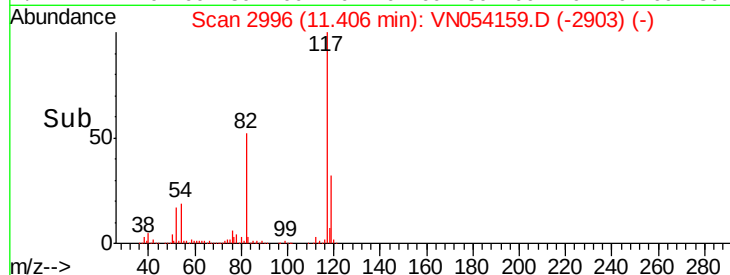
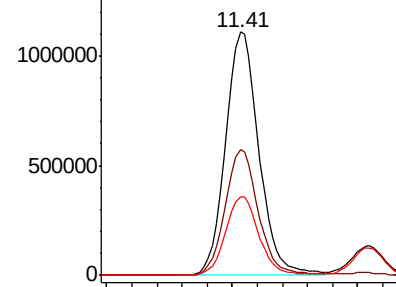
Tgt Ion:117 Resp: 2050546
Ion Ratio Lower Upper
117 100
82 51.5 40.0 60.0
119 32.4 25.8 38.6

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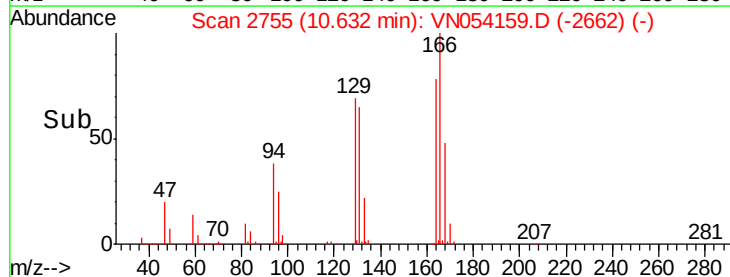
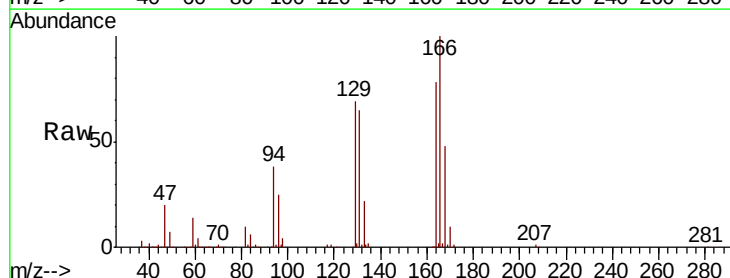
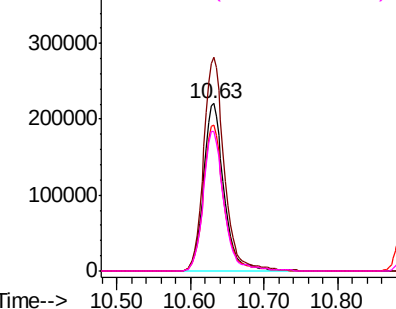
Abundance Ion 116.90 (116.60 to 117.60): V
1500000 Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

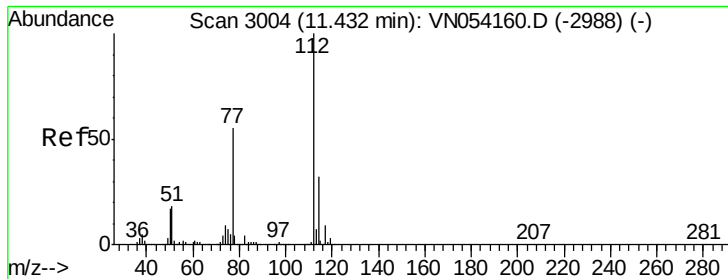


#64
Tetrachloroethene
Concen: 21.328 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion:164 Resp: 422837
Ion Ratio Lower Upper
164 100
166 127.5 103.9 155.9
129 87.5 71.1 106.7
131 82.9 68.2 102.4

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





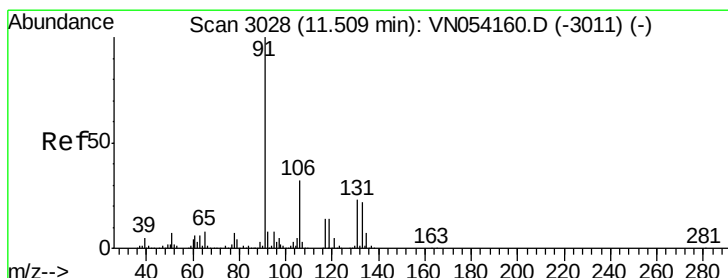
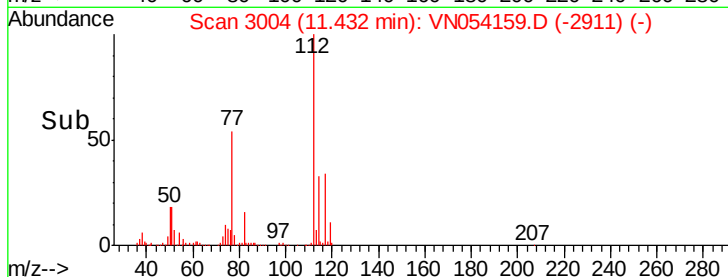
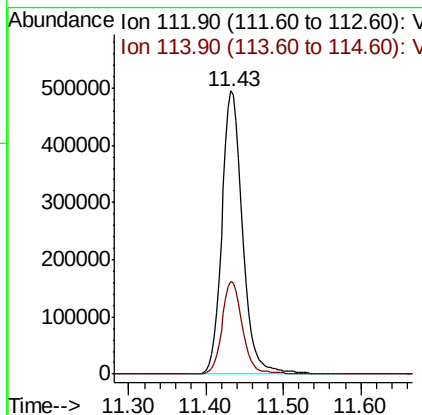
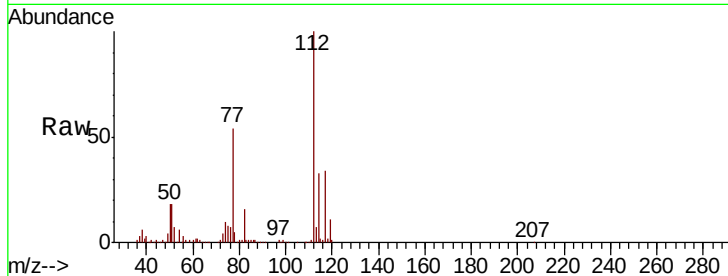
#65
Chlorobenzene
Concen: 20.482 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion:112 Resp: 922198
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9

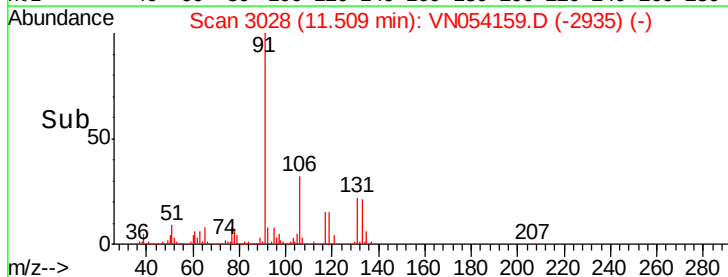
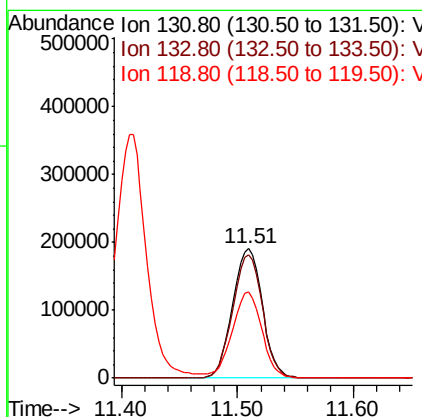
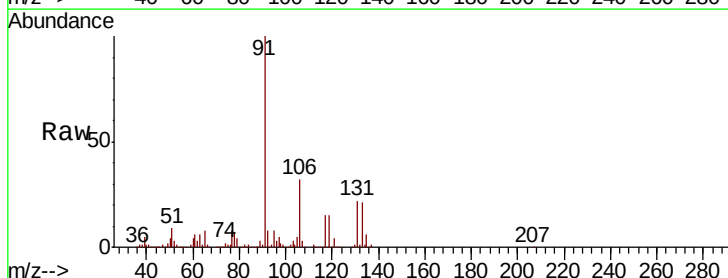
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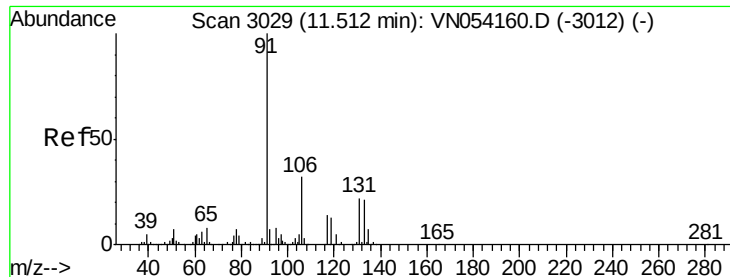
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.731 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion:131 Resp: 339073
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.9
119 66.0 32.4 97.0





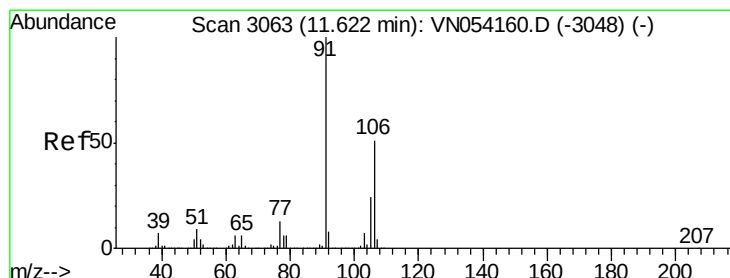
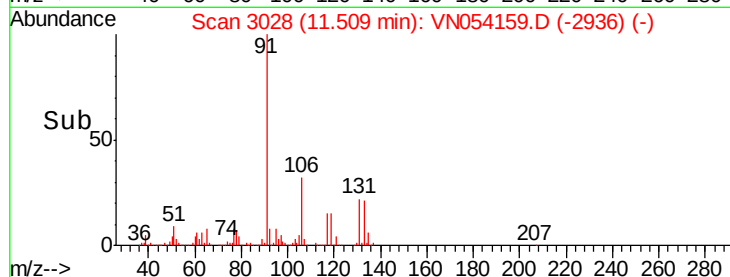
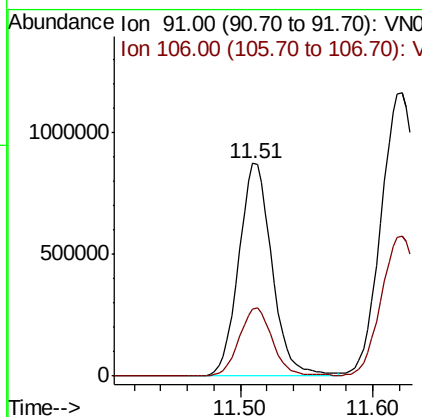
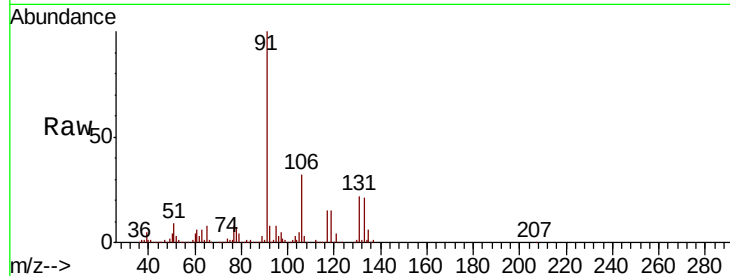
#67
Ethyl Benzene
Concen: 20.412 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 1523445
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3

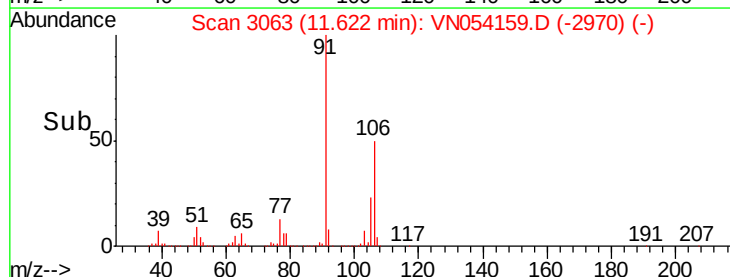
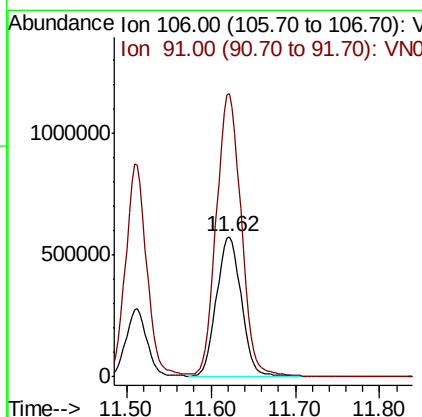
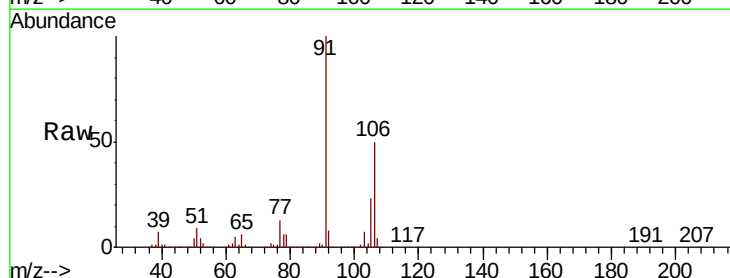
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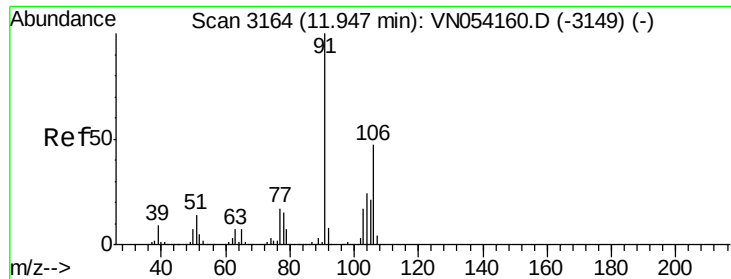
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#68
m/p-Xylenes
Concen: 40.746 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion: 106 Resp: 1188615
Ion Ratio Lower Upper
106 100
91 201.6 159.4 239.2





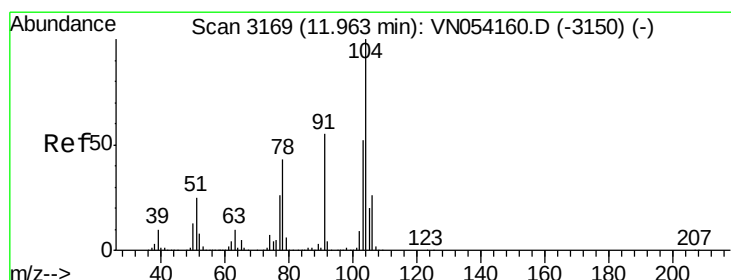
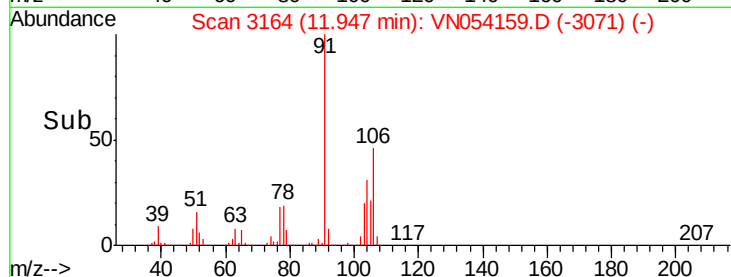
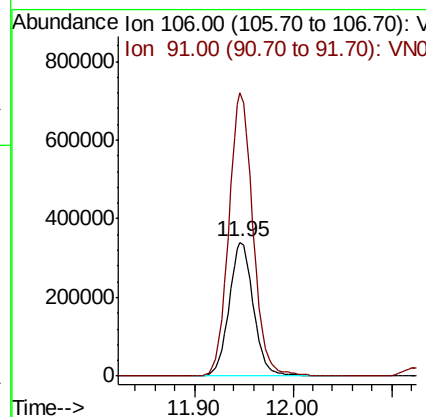
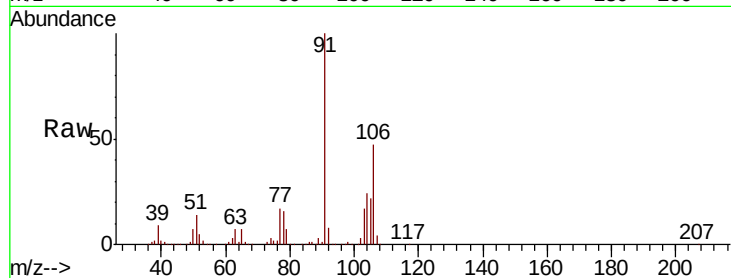
#69
o-Xylene
Concen: 20.671 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 587808
Ion Ratio Lower Upper
106 100
91 210.2 105.7 317.1

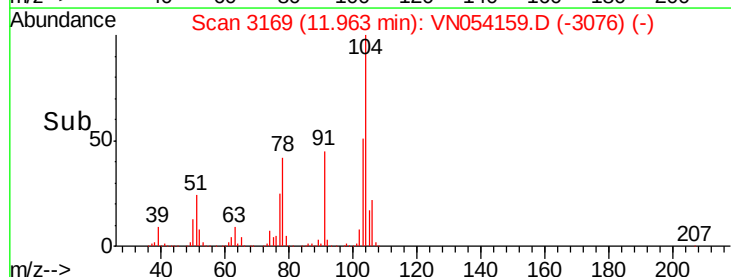
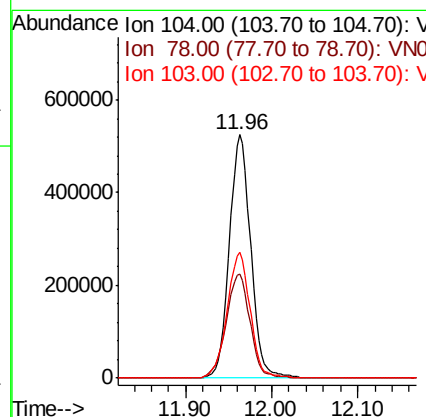
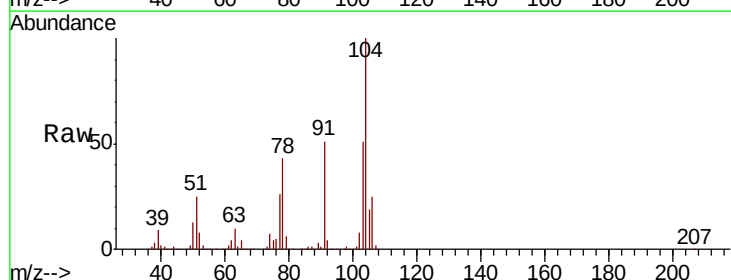
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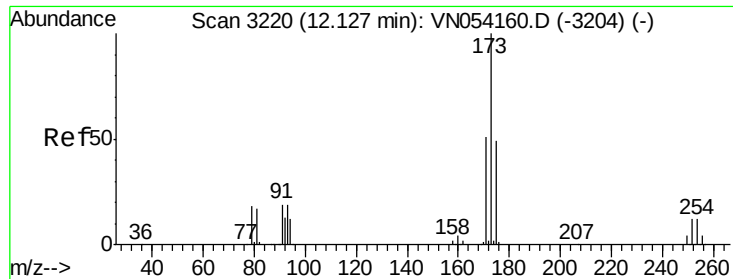
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#70
Styrene
Concen: 20.361 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion:104 Resp: 908078
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 55.7 44.4 66.6





#71

Bromoform

Concen: 18.895 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

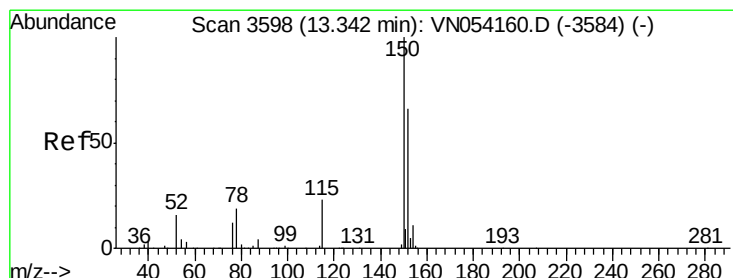
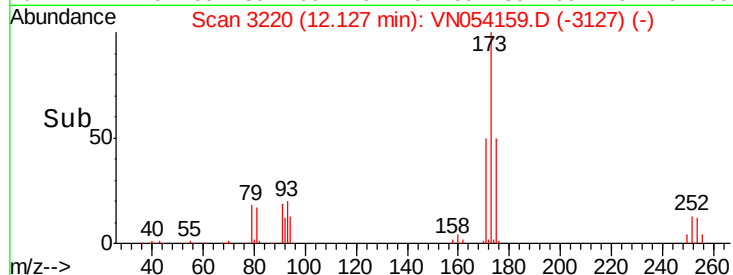
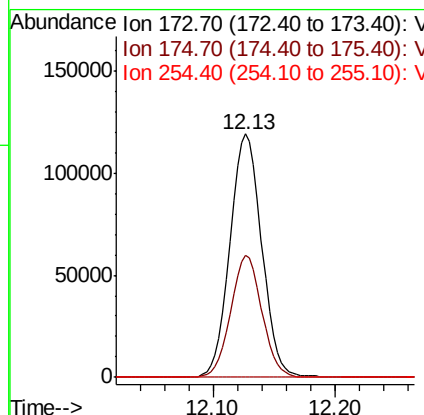
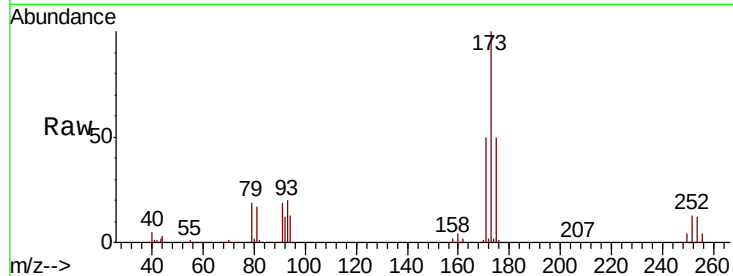
ClientSampleId :

VSTDIC020

Tgt Ion:	173	Resp:	216451
Ion Ratio	Lower	Upper	
173	100		
175	49.3	24.4	73.2
254	0.1	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

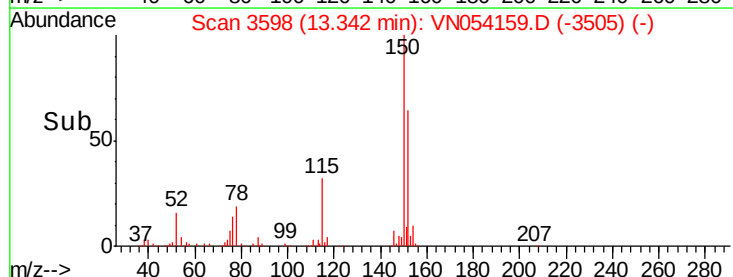
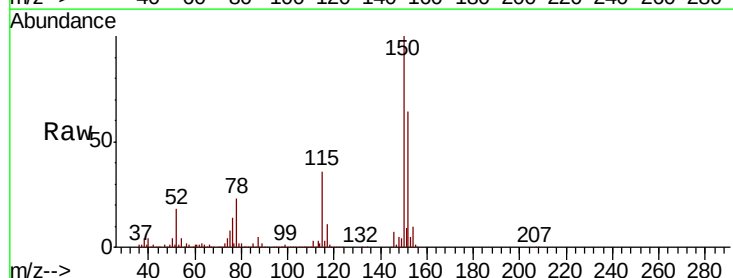
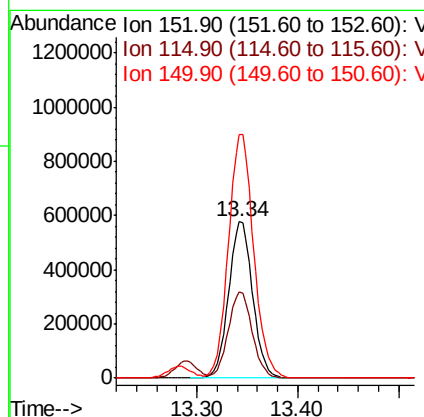
RT: 13.34 min Scan# 3598

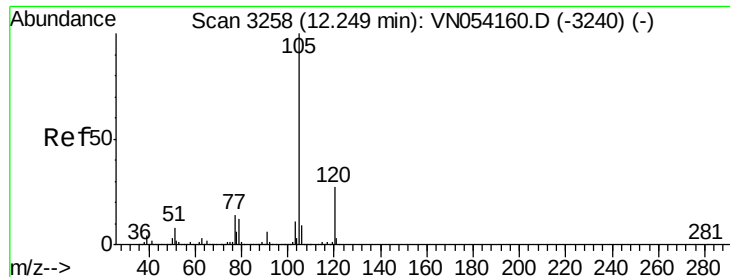
Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Tgt Ion:	152	Resp:	958897
Ion Ratio	Lower	Upper	
152	100		
115	54.8	27.2	81.6
150	164.1	0.0	349.2





#73

Isopropylbenzene

Concen: 20.494 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tgt Ion: 105 Resp: 1572289

Ion Ratio Lower Upper

105 100

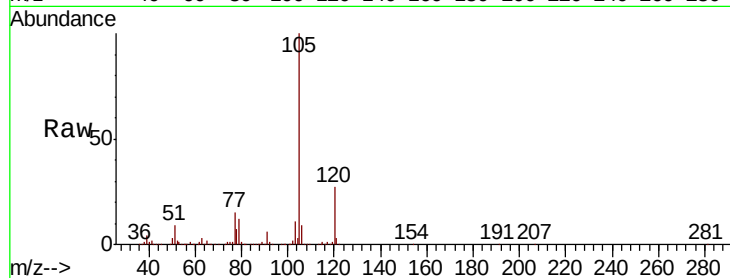
120 27.4 13.8 41.3

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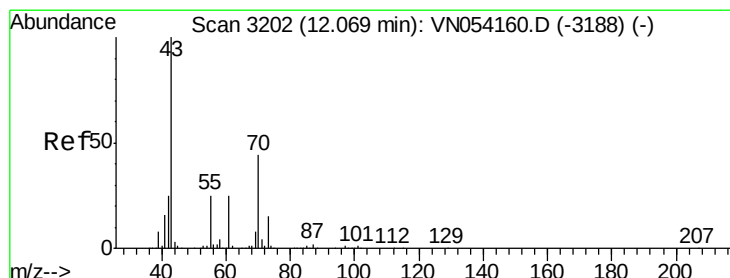
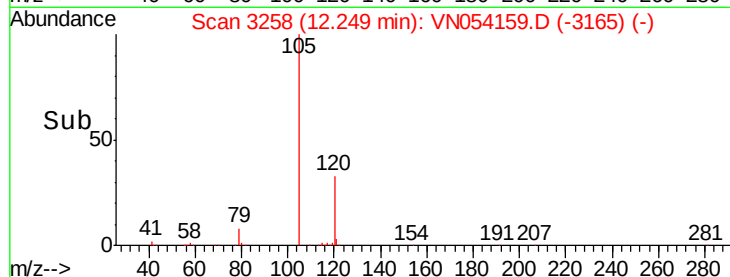
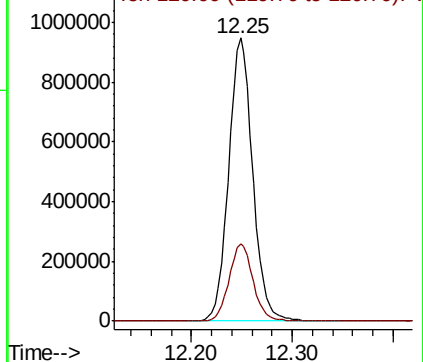
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.179 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Tgt Ion: 43 Resp: 343631

Ion Ratio Lower Upper

43 100

70 44.0 35.4 53.0

55 24.3 19.8 29.6

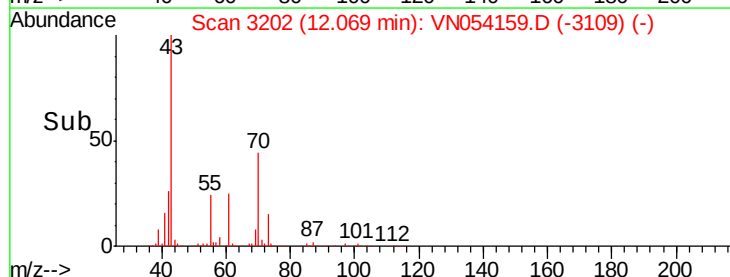
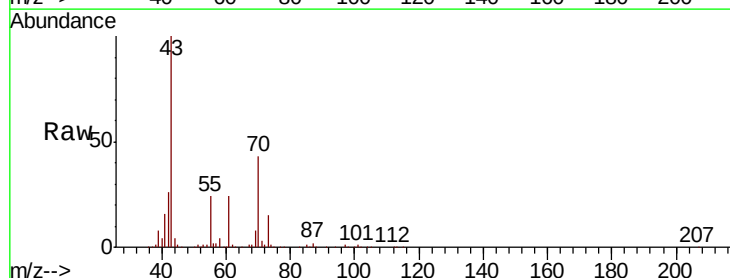
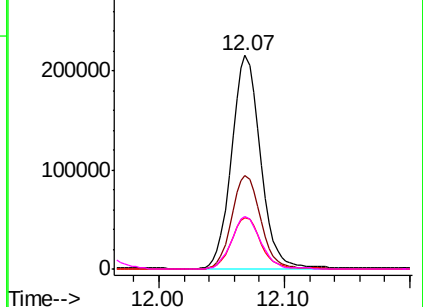
61 24.8 19.8 29.6

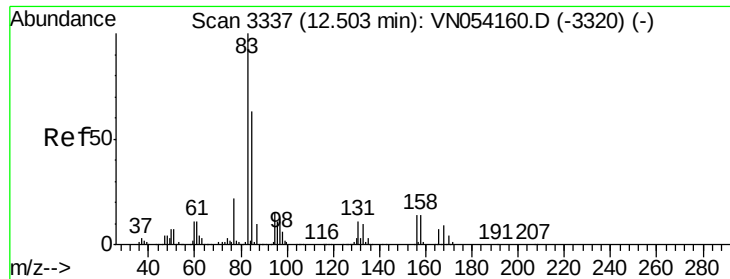
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.731 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 322513
Ion Ratio Lower Upper

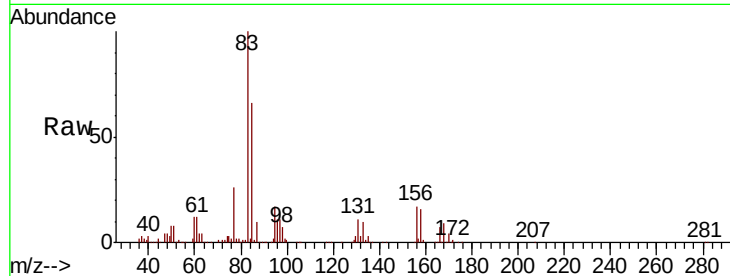
83 100

131 11.4 5.8 17.4

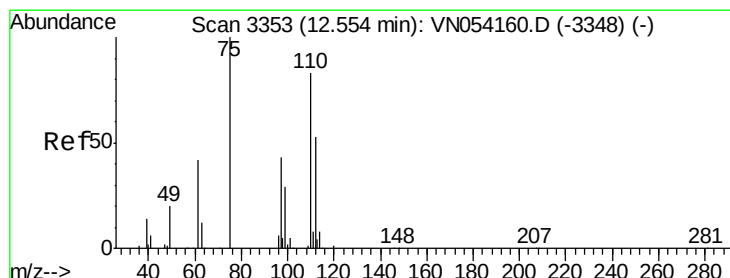
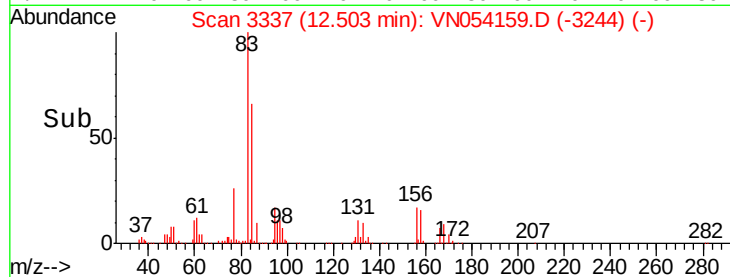
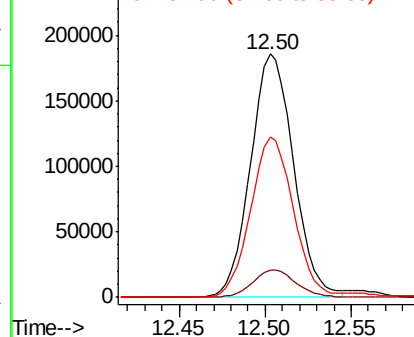
85 65.5 32.2 96.6

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 19.839 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

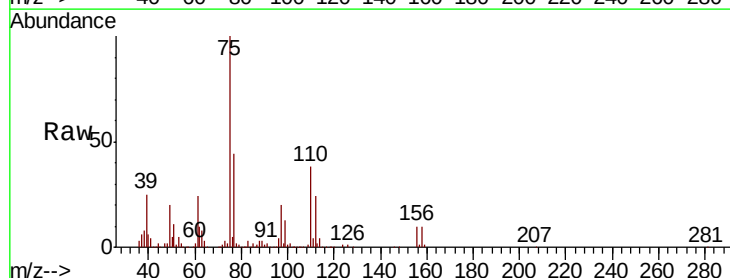
Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

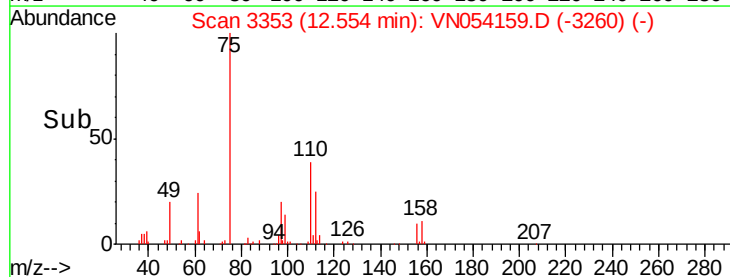
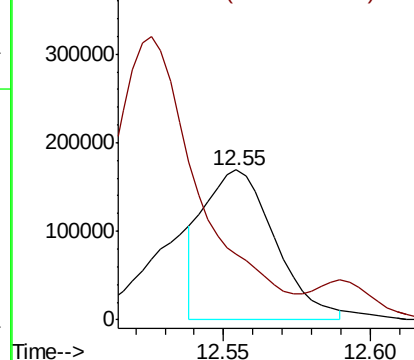
Tgt Ion: 75 Resp: 283440
Ion Ratio Lower Upper

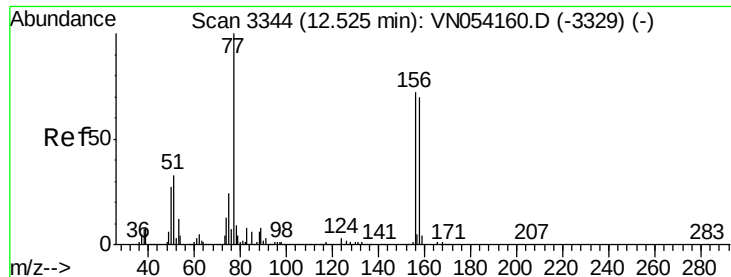
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 20.082 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

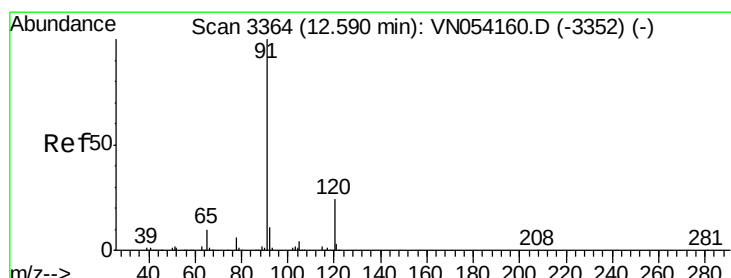
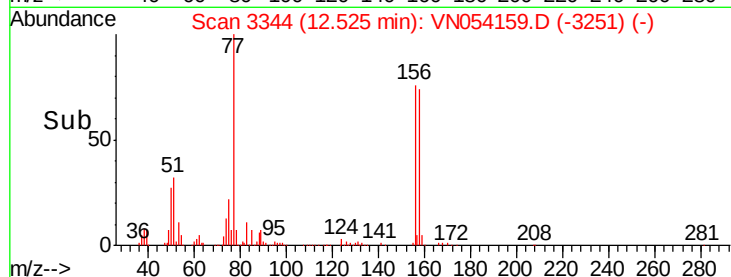
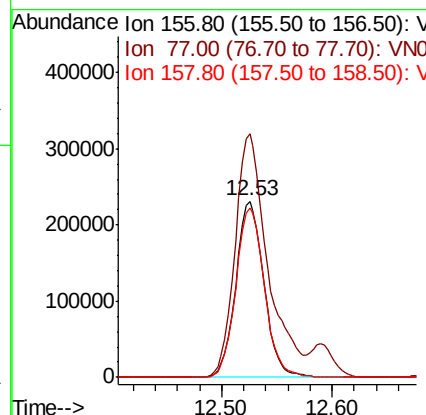
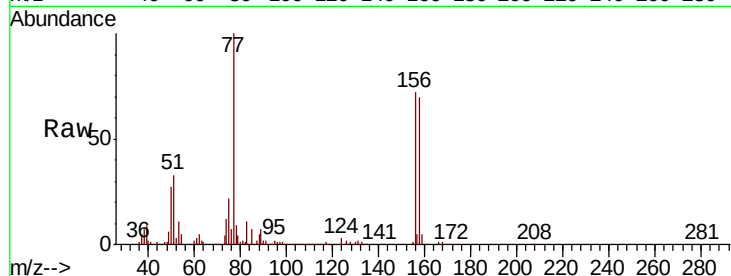
ClientSampleId :

VSTDIC020

Tgt Ion	Ratio	Lower	Upper
156	100		
77	160.7	81.5	244.4
158	97.8	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.534 ug/l

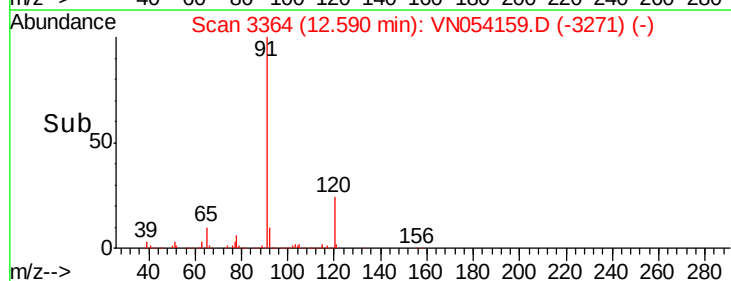
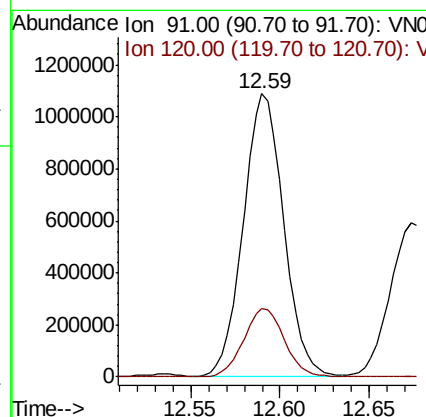
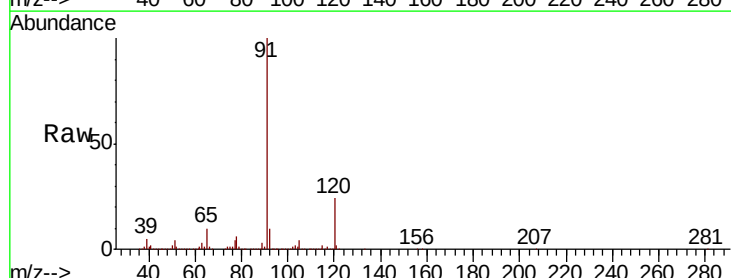
RT: 12.59 min Scan# 3364

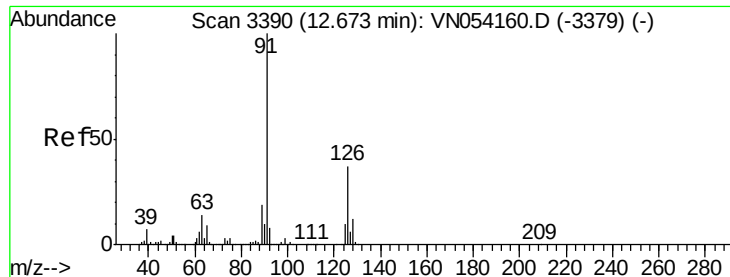
Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.3	36.9





#79

2-Chlorotoluene

Concen: 20.337 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tgt Ion: 91 Resp: 1017931

Ion Ratio Lower Upper

91 100

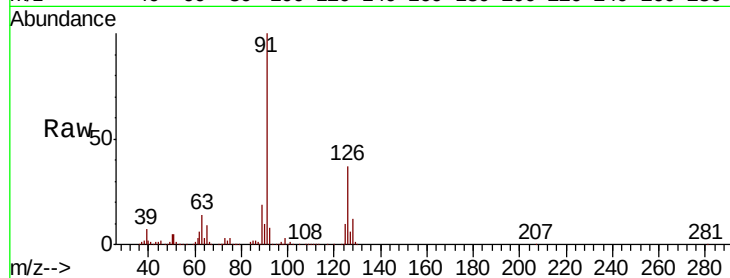
126 37.4 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054160.D (-3379) (-)

1000000

800000

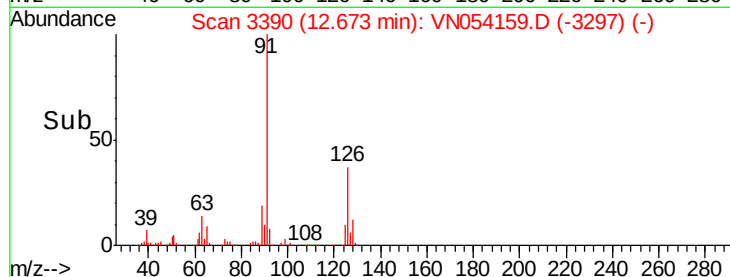
600000

400000

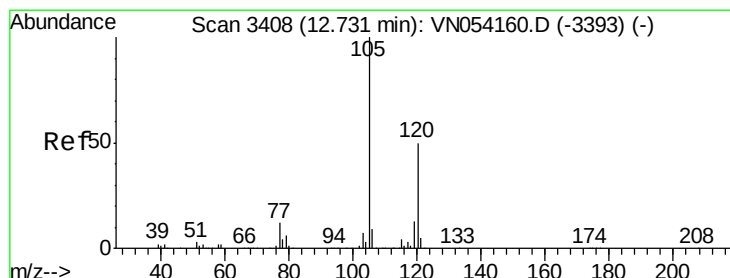
200000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.358 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054159.D

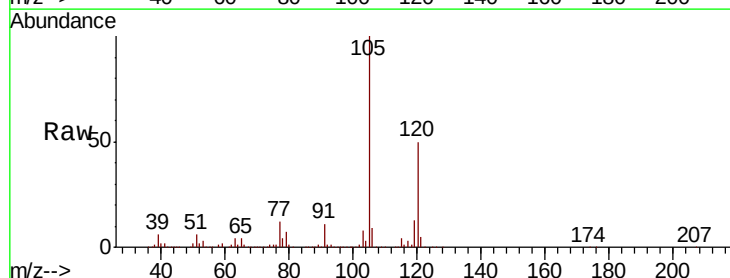
Acq: 12 Mar 2019 10:55

Tgt Ion: 105 Resp: 1299111

Ion Ratio Lower Upper

105 100

120 50.2 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)

800000

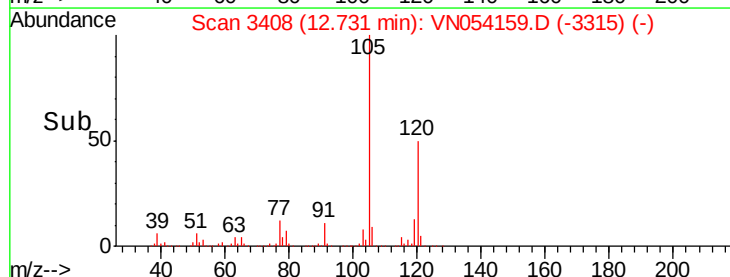
600000

400000

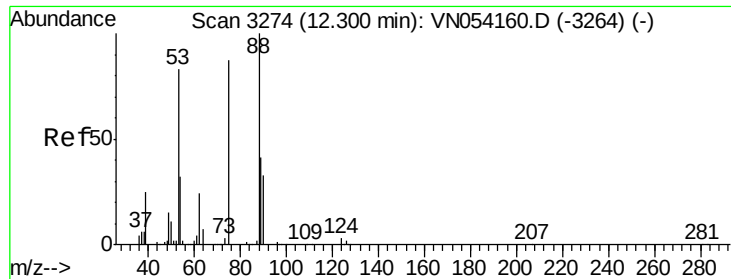
200000

0

12.70 12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 18.447 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

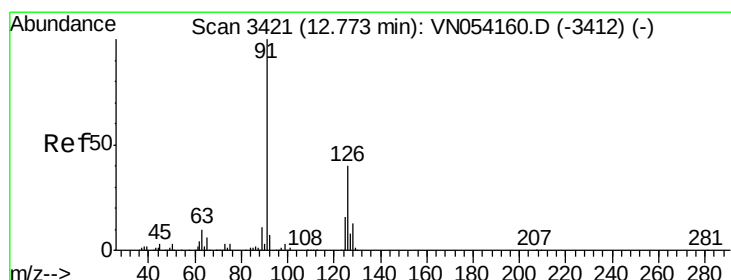
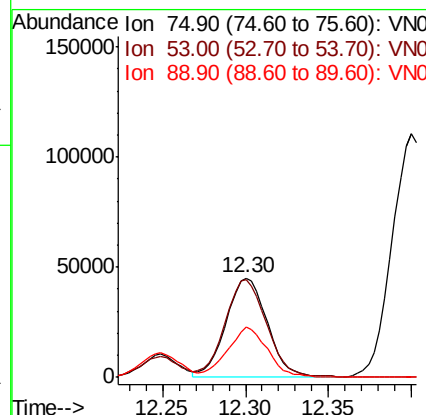
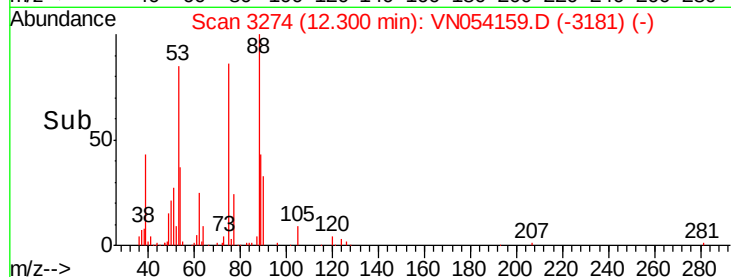
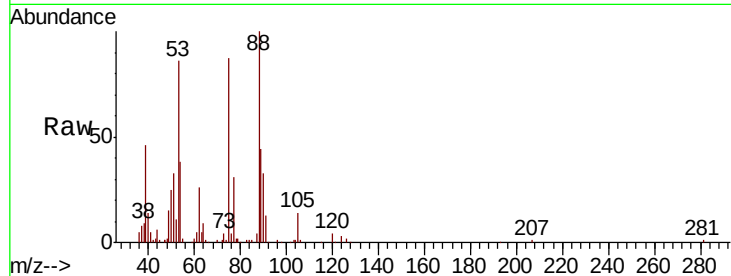
ClientSampleId :

VSTDIC020

Tgt Ion:	75	Resp:	76696
Ion	Ratio	Lower	Upper
75	100		
53	102.3	76.2	114.2
89	50.2	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.075 ug/l

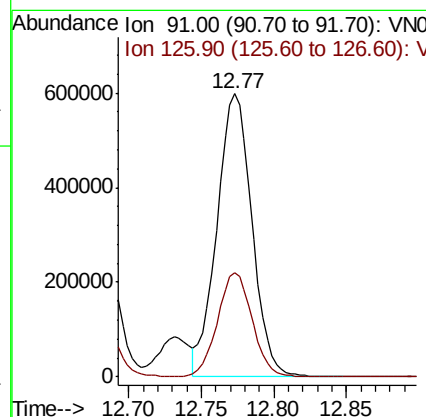
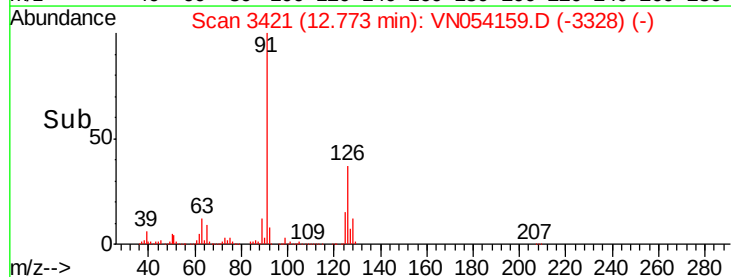
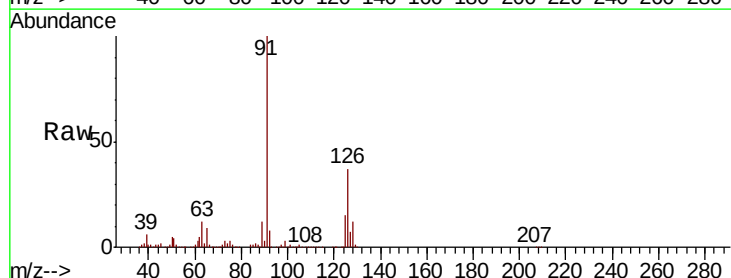
RT: 12.77 min Scan# 3421

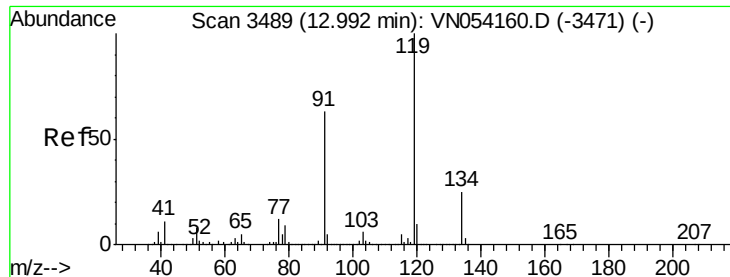
Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Tgt Ion:	91	Resp:	1003312
Ion	Ratio	Lower	Upper
91	100		
126	36.6	18.1	54.1





#83

tert-Butylbenzene

Concen: 20.206 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:119 Resp: 1186843

Ion Ratio Lower Upper

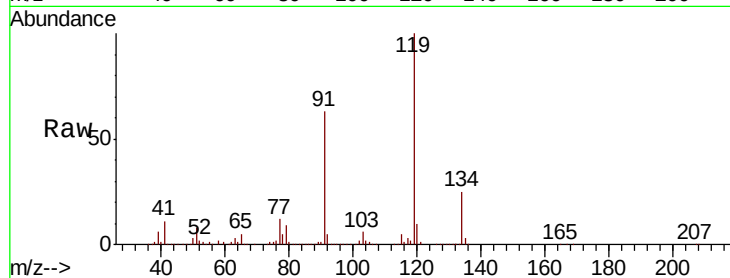
119 100

91 62.3 30.9 92.8

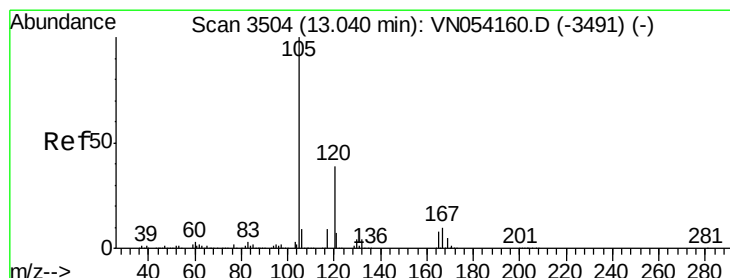
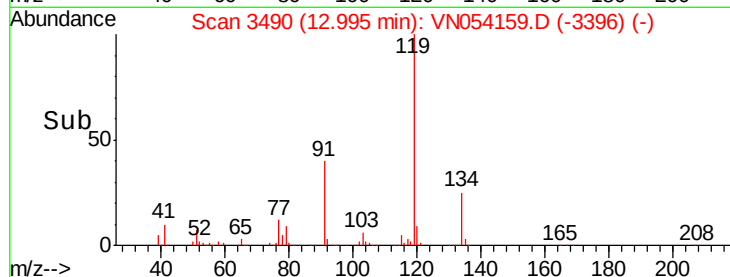
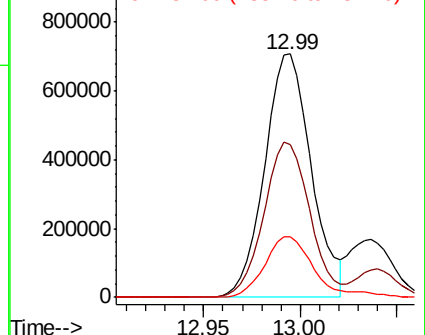
134 26.5 13.2 39.6

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



#84

1,2,4-Trimethylbenzene

Concen: 20.547 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054159.D

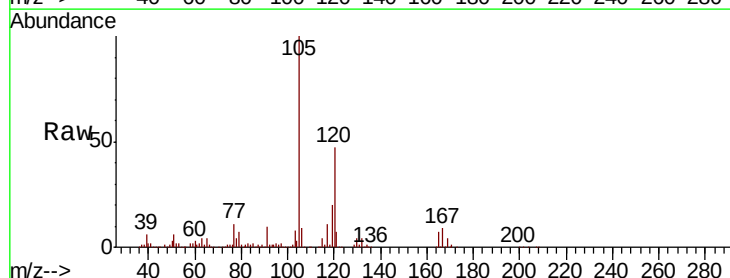
Acq: 12 Mar 2019 10:55

Tgt Ion:105 Resp: 1286342

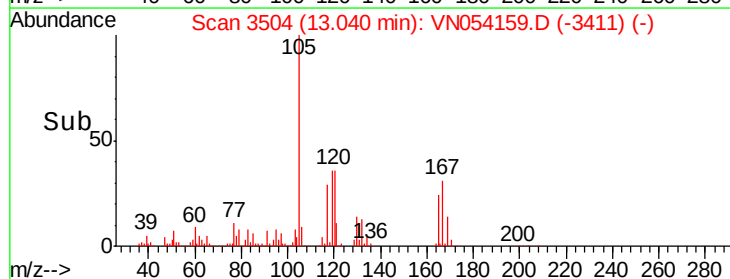
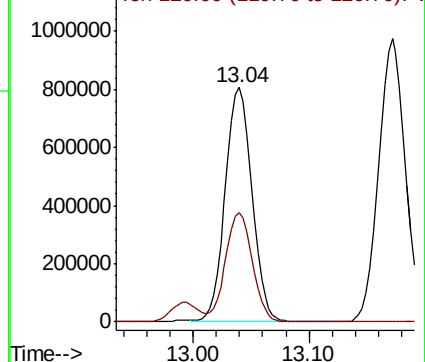
Ion Ratio Lower Upper

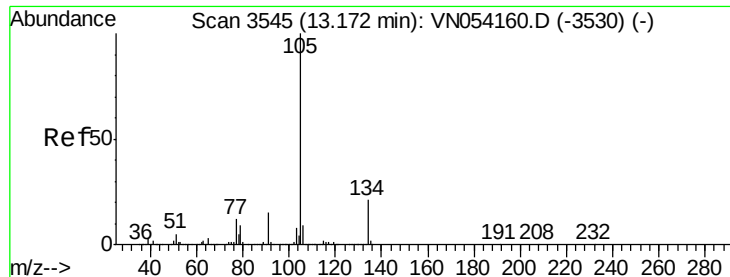
105 100

120 46.8 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 20.570 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:105 Resp: 1566905

Ion Ratio Lower Upper

105 100

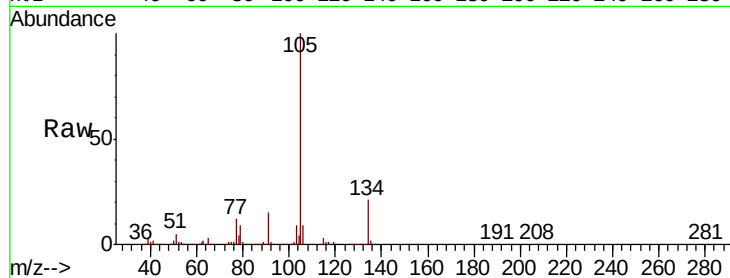
134 20.9 10.7 32.1

Manual Integrations

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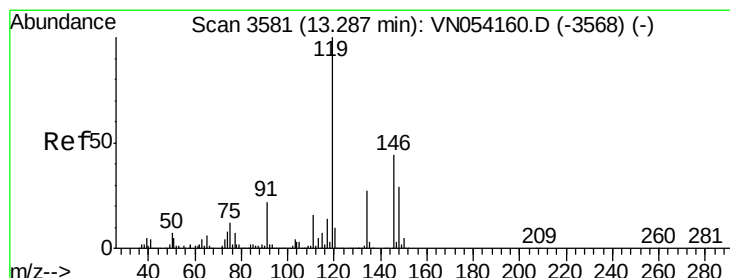
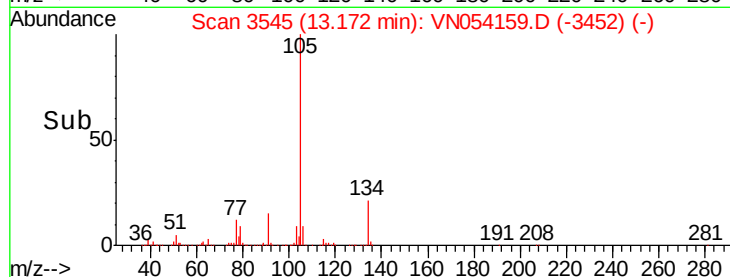
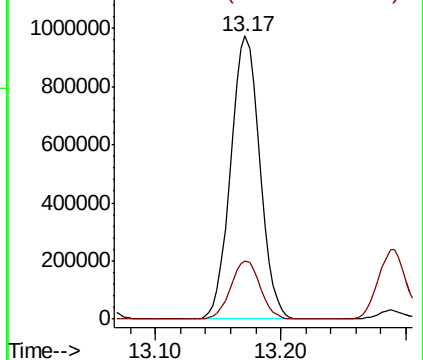
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.603 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

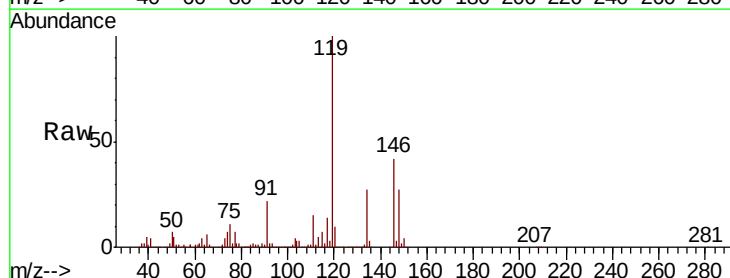
Tgt Ion:119 Resp: 1376854

Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.8

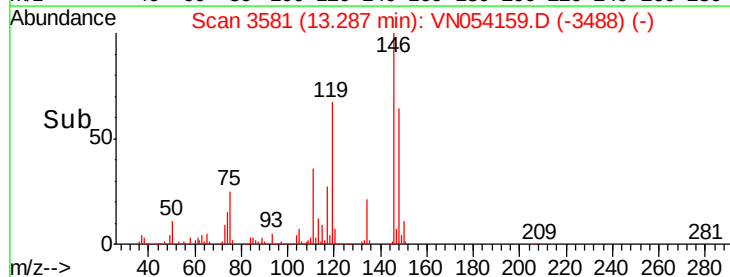
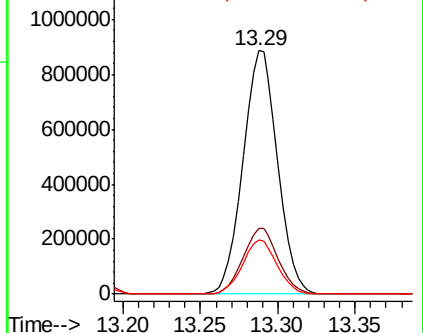
91 22.0 11.1 33.3

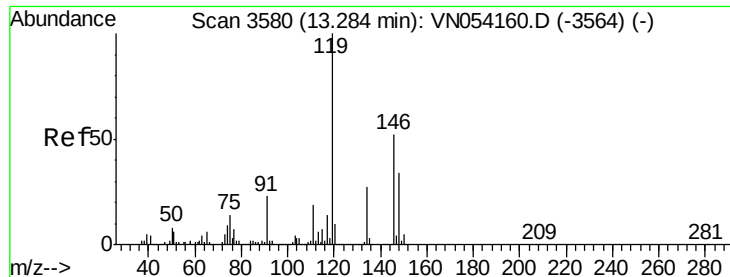


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





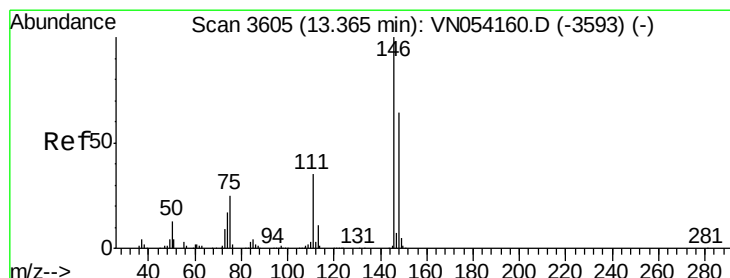
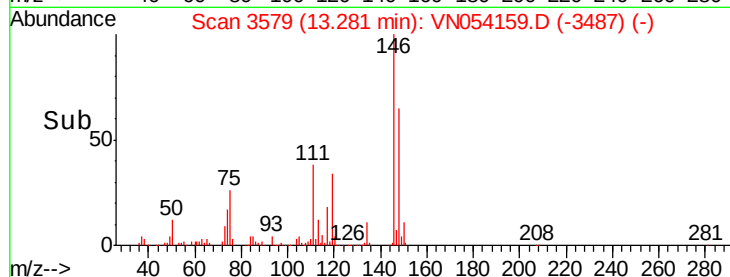
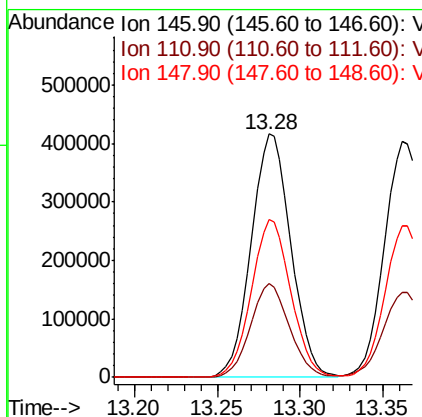
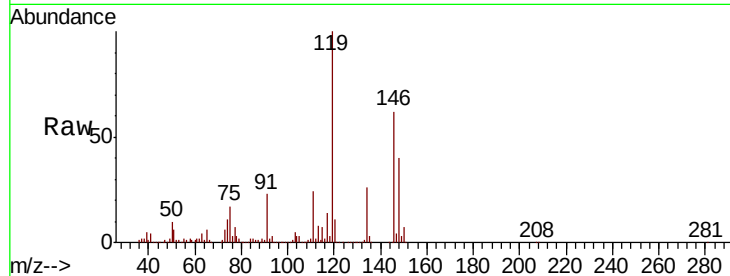
#87
 1,3-Dichlorobenzene
 Concen: 20.290 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	64.5	32.2	96.6

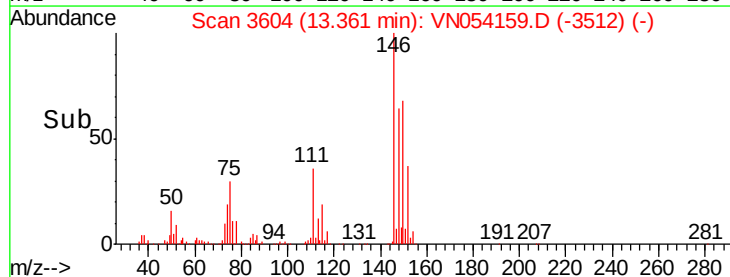
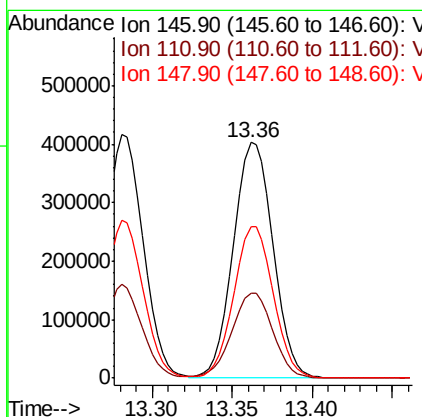
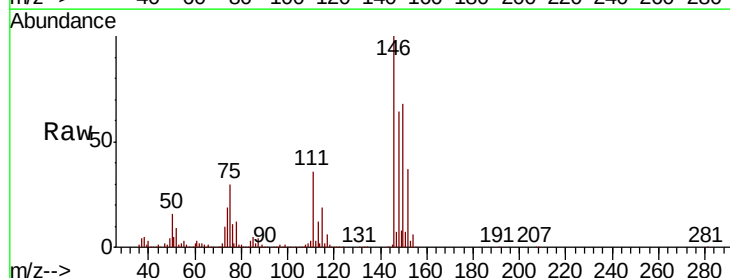
Manual Integrations
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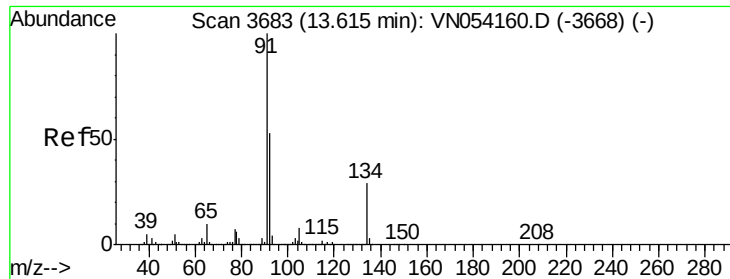
MMDadoda
 3/13/2019 11:49:09 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.248 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.1
148	64.1	32.0	96.0





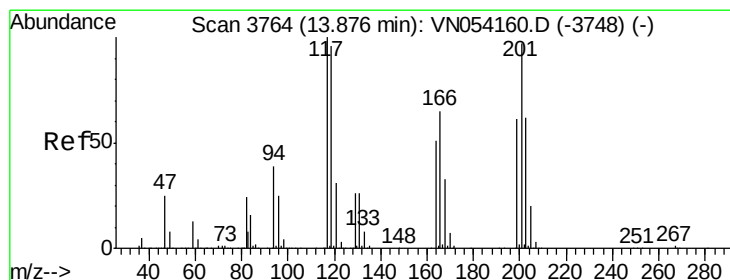
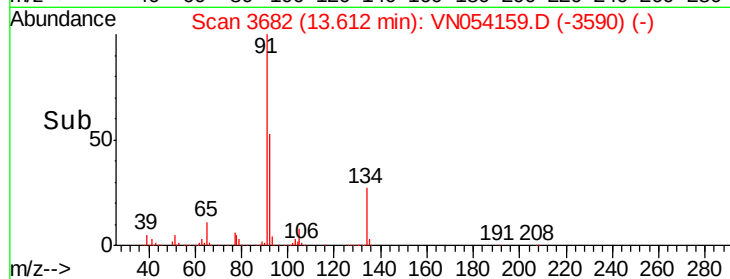
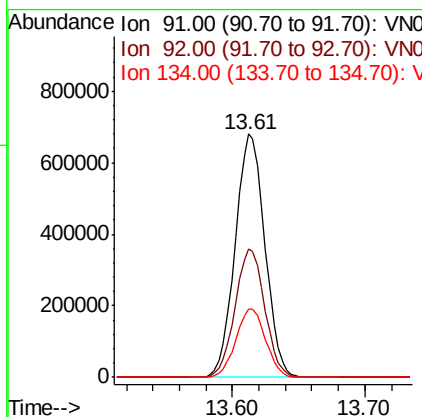
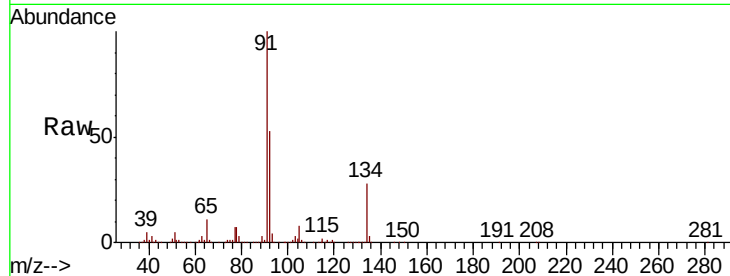
#89
n-Butylbenzene
Concen: 20.783 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 1055272
Ion Ratio Lower Upper
91 100
92 52.6 26.2 78.6
134 28.2 14.3 42.9

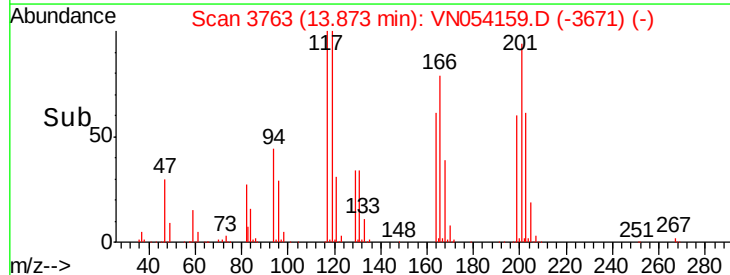
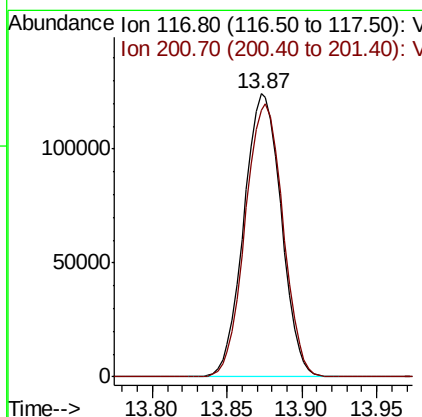
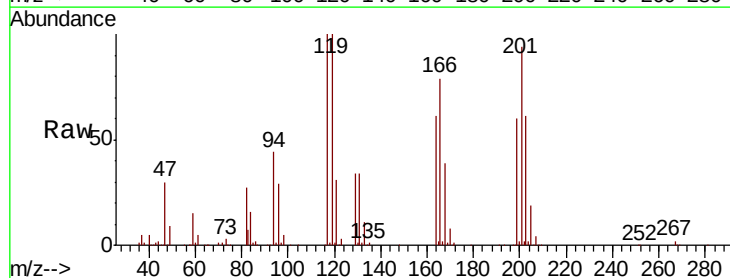
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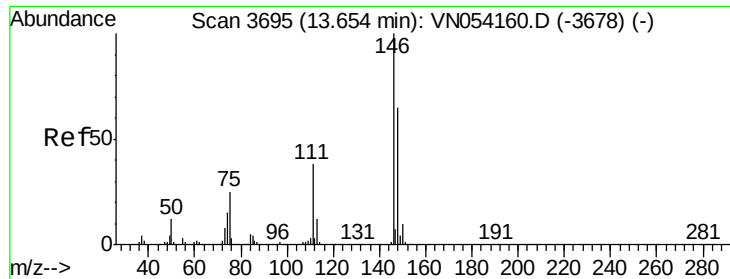
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#90
Hexachloroethane
Concen: 19.564 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion: 117 Resp: 216487
Ion Ratio Lower Upper
117 100
201 97.2 48.1 144.4





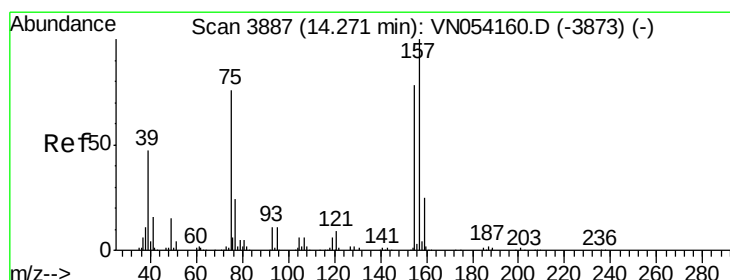
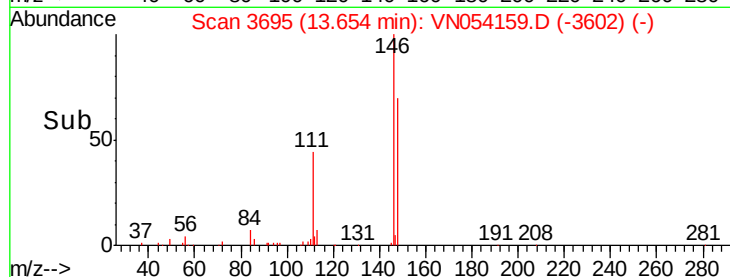
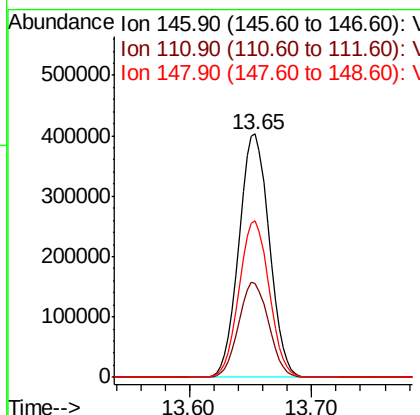
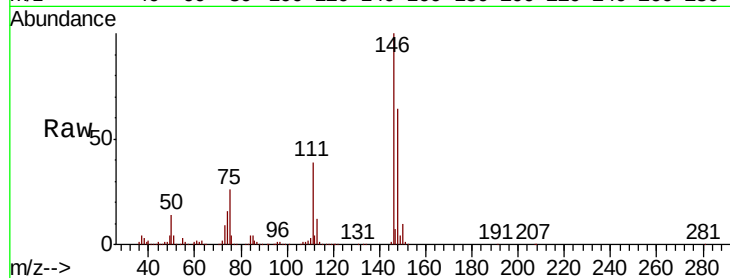
#91
 1,2-Dichlorobenzene
 Concen: 20.682 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	691627		
111	38.7	19.1	57.3	
148	63.9	32.4	97.0	

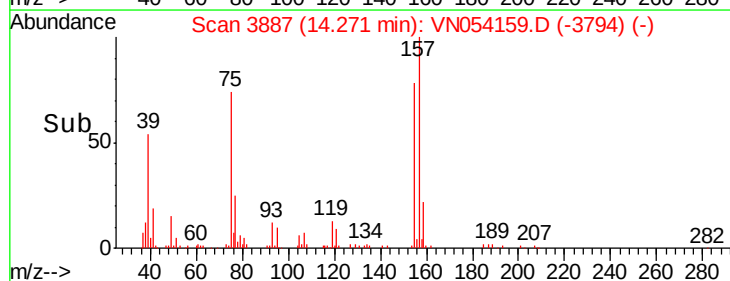
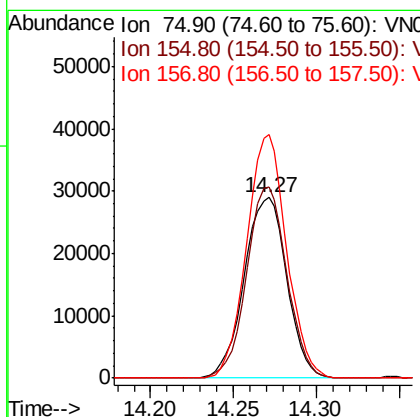
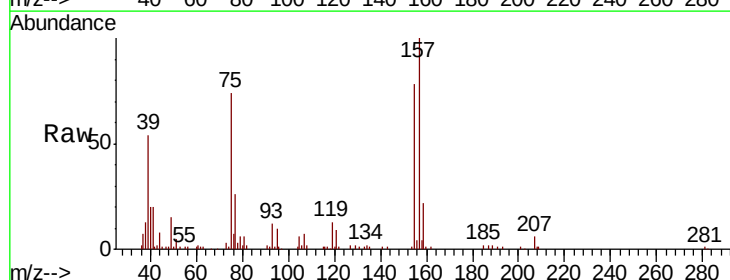
Manual Integrations
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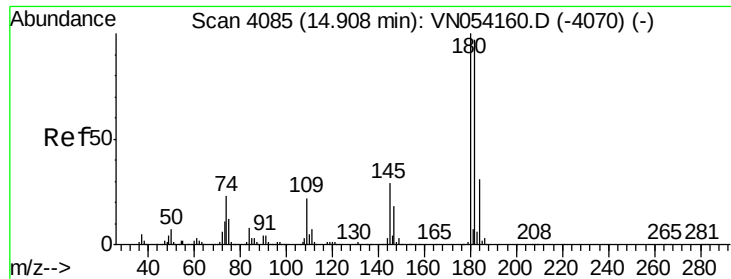
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.485 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	51812		
155	99.6	50.1	150.3	
157	125.7	63.1	189.3	





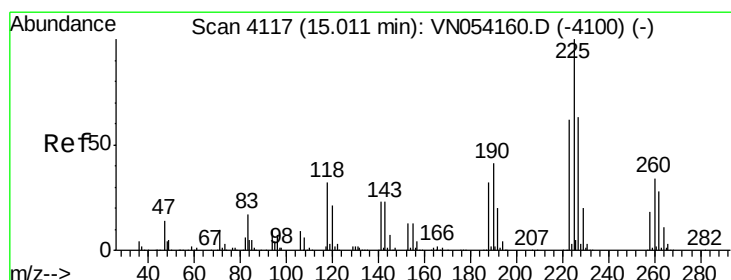
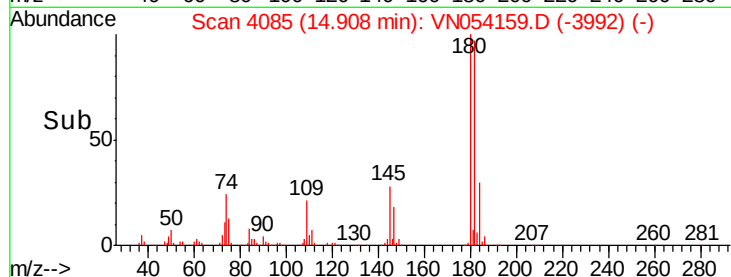
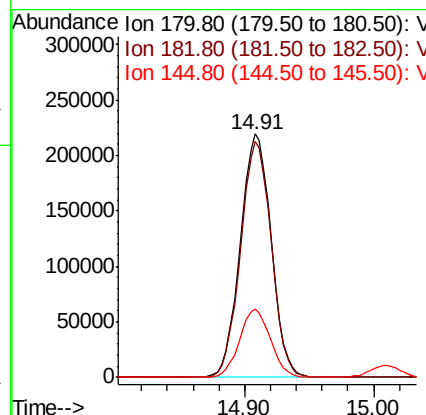
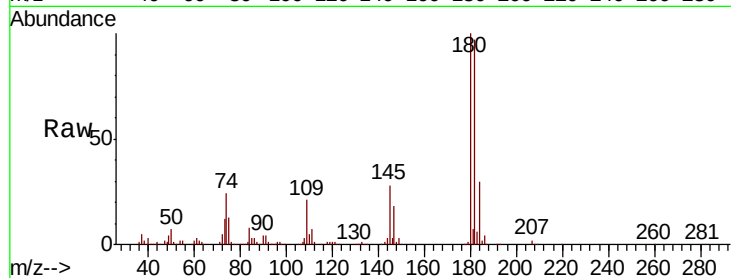
#93
 1,2,4-Trichlorobenzene
 Concen: 19.657 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	364386		
182	96.2	48.0	144.2	
145	27.9	14.2	42.8	

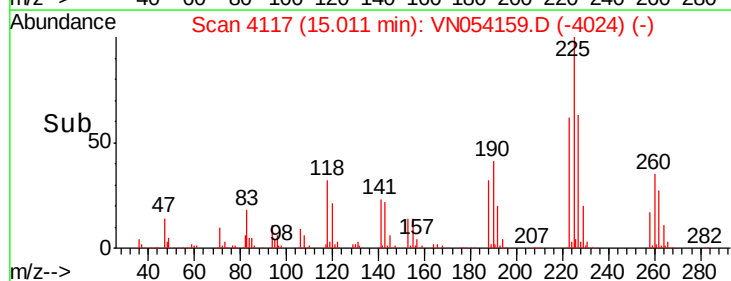
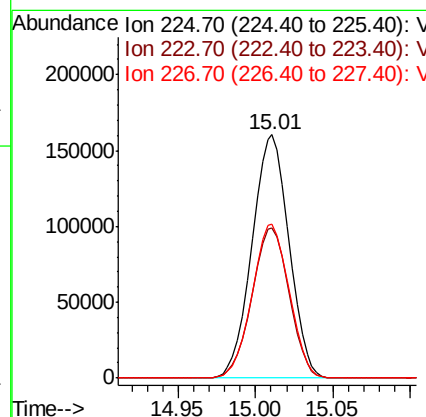
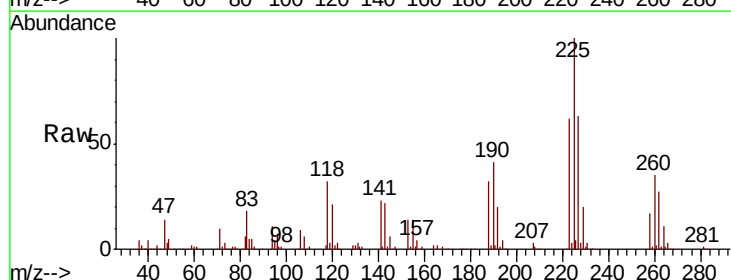
Manual Integrations
 APPROVED

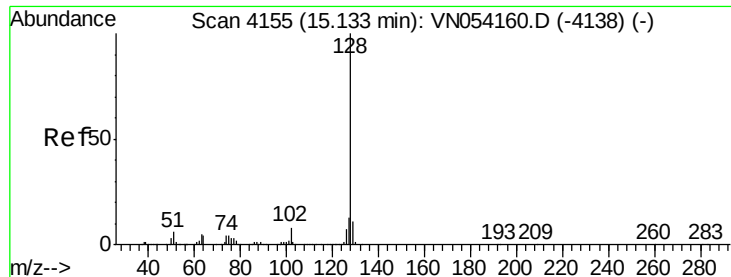
MMDadoda
 3/13/2019 11:49:09 AM



#94
 Hexachlorobutadiene
 Concen: 20.963 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	267015		
223	62.3	31.1	93.5	
227	63.5	31.9	95.9	





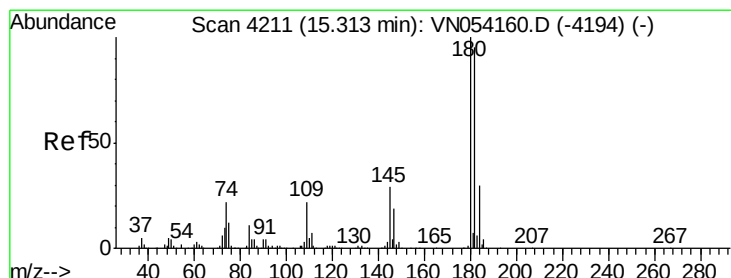
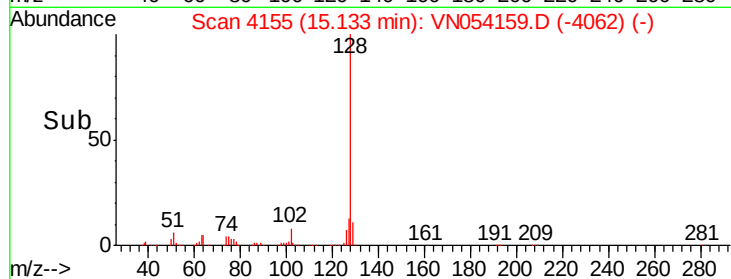
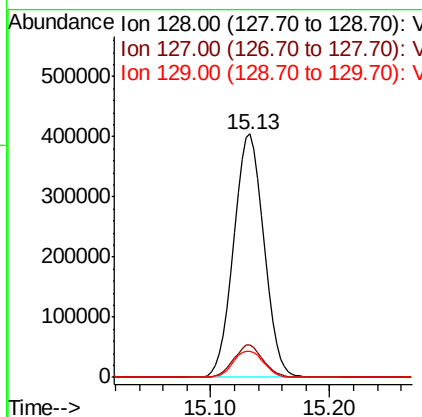
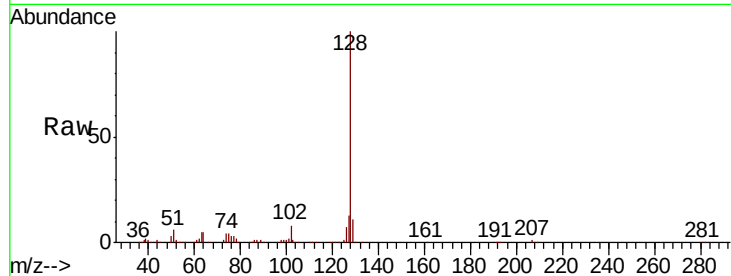
#95
Naphthalene
Concen: 19.243 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.054 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.6
145	29.4	14.8	44.3

