

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059218.D
 Acq On : 14 Nov 2019 9:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 10:21:41 AM

Quant Time: Nov 15 06:39:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	419647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	638362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	594894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	289075	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	237040	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
35) Dibromofluoromethane	7.57	113	190791	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
50) Toluene-d8	10.08	98	723107	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	12.40	95	273842	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	188146	44.499	ug/l	98
3) Chloromethane	2.04	50	254276	44.242	ug/l	99
4) Vinyl Chloride	2.17	62	252939	45.393	ug/l	99
5) Bromomethane	2.53	94	151920	47.377	ug/l	99
6) Chloroethane	2.68	64	151509	45.964	ug/l	98
7) Trichlorofluoromethane	2.99	101	316626	47.505	ug/l	99
8) Diethyl Ether	3.38	74	135195	49.921	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	197025	49.028	ug/l	99
10) Methyl Iodide	3.92	142	242638	48.779	ug/l	99
11) Tert butyl alcohol	4.75	59	256662	261.072	ug/l	99
12) 1,1-Dichloroethene	3.71	96	185385	47.357	ug/l	99
13) Acrolein	3.58	56	147680	291.357	ug/l	97
14) Allyl chloride	4.29	41	386624	48.080	ug/l	98
15) Acrylonitrile	4.95	53	654214	267.396	ug/l	100
16) Acetone	3.79	43	767029	285.934	ug/l	99
17) Carbon Disulfide	4.02	76	512374	42.164	ug/l	100
18) Methyl Acetate	4.29	43	341780	53.678	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	689489	51.158	ug/l	100
20) Methylene Chloride	4.52	84	227237	48.623	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	201660	47.992	ug/l	98
22) Diisopropyl ether	5.92	45	777008	51.157	ug/l	98
23) Vinyl Acetate	5.86	43	3225474	274.008	ug/l	99
24) 1,1-Dichloroethane	5.82	63	416950	49.150	ug/l	99
25) 2-Butanone	6.81	43	978253	276.699	ug/l	100
26) 2,2-Dichloropropane	6.80	77	363378	48.987	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	242561	49.756	ug/l	99
28) Bromochloromethane	7.17	49	120536	47.227	ug/l	97
29) Tetrahydrofuran	7.18	42	597494	265.977	ug/l	99
30) Chloroform	7.35	83	411550	50.573	ug/l	99
31) Cyclohexane	7.63	56	350075	43.591	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	344879	50.407	ug/l	100
36) 1,1-Dichloropropene	7.77	75	300740	50.402	ug/l	100
37) Ethyl Acetate	6.90	43	359915	54.221	ug/l	99
38) Carbon Tetrachloride	7.75	117	297545	50.101	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	343663	49.626	ug/l	99
40) Benzene	8.02	78	926179	51.545	ug/l	99
41) Methacrylonitrile	7.15	41	142998m	49.541	ug/l	
42) 1,2-Dichloroethane	8.10	62	321490	52.168	ug/l	100
43) Isopropyl Acetate	8.14	43	557513	52.682	ug/l	99
44) Trichloroethene	8.82	130	225344	51.019	ug/l	100
45) 1,2-Dichloropropane	9.10	63	255274	52.305	ug/l	98
46) Dibromomethane	9.19	93	159366	52.401	ug/l	99
47) Bromodichloromethane	9.39	83	325622	53.619	ug/l	98
48) Methyl methacrylate	9.18	41	254428	53.750	ug/l	98
49) 1,4-Dioxane	9.18	88	101396	1205.349	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1797379	300.171	ug/l	100
52) Toluene	10.14	92	561918	52.176	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	373140	53.183	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	401149	53.152	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	229532	52.662	ug/l	99
56) Ethyl methacrylate	10.42	69	363439	49.995	ug/l	99
57) 1,3-Dichloropropane	10.70	76	402779	53.693	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	687779	283.544	ug/l	100
59) 2-Hexanone	10.74	43	1400284	304.678	ug/l	99
60) Dibromochloromethane	10.90	129	253667	55.046	ug/l	99
61) 1,2-Dibromoethane	11.00	107	237463	53.819	ug/l	100
64) Tetrachloroethene	10.62	164	200006	49.443	ug/l	99
65) Chlorobenzene	11.43	112	600933	51.819	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	231671	53.255	ug/l	100
67) Ethyl Benzene	11.51	91	1085796	52.772	ug/l	99
68) m/p-Xylenes	11.62	106	809576	105.040	ug/l	100
69) o-Xylene	11.94	106	387375	52.008	ug/l	98
70) Styrene	11.96	104	648957	55.399	ug/l	99
71) Bromoform	12.12	173	187018	55.269	ug/l #	99
73) Isopropylbenzene	12.25	105	1050580	49.962	ug/l	99
74) N-amyl acetate	12.07	43	471968	52.970	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	367175	51.276	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	312893m	47.543	ug/l	
77) Bromobenzene	12.53	156	261957	49.585	ug/l	98
78) n-propylbenzene	12.59	91	1248590	51.860	ug/l	100
79) 2-Chlorotoluene	12.67	91	734508	49.178	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	896333	50.306	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	128611	51.616	ug/l	99
82) 4-Chlorotoluene	12.77	91	766976	51.199	ug/l	99
83) tert-Butylbenzene	12.99	119	767355	49.871	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	894396	51.884	ug/l	99
85) sec-Butylbenzene	13.17	105	1038160	51.878	ug/l	99
86) p-Isopropyltoluene	13.29	119	942559	53.344	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	468041	51.737	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	466418	51.530	ug/l	99
89) n-Butylbenzene	13.62	91	815510	52.733	ug/l	100
90) Hexachloroethane	13.88	117	173523	48.906	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	458187	51.486	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73886	51.716	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	263753	48.920	ug/l	100
94) Hexachlorobutadiene	15.01	225	153851	50.139	ug/l	99
95) Naphthalene	15.13	128	732292	48.953	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	266886	53.513	ug/l	99

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

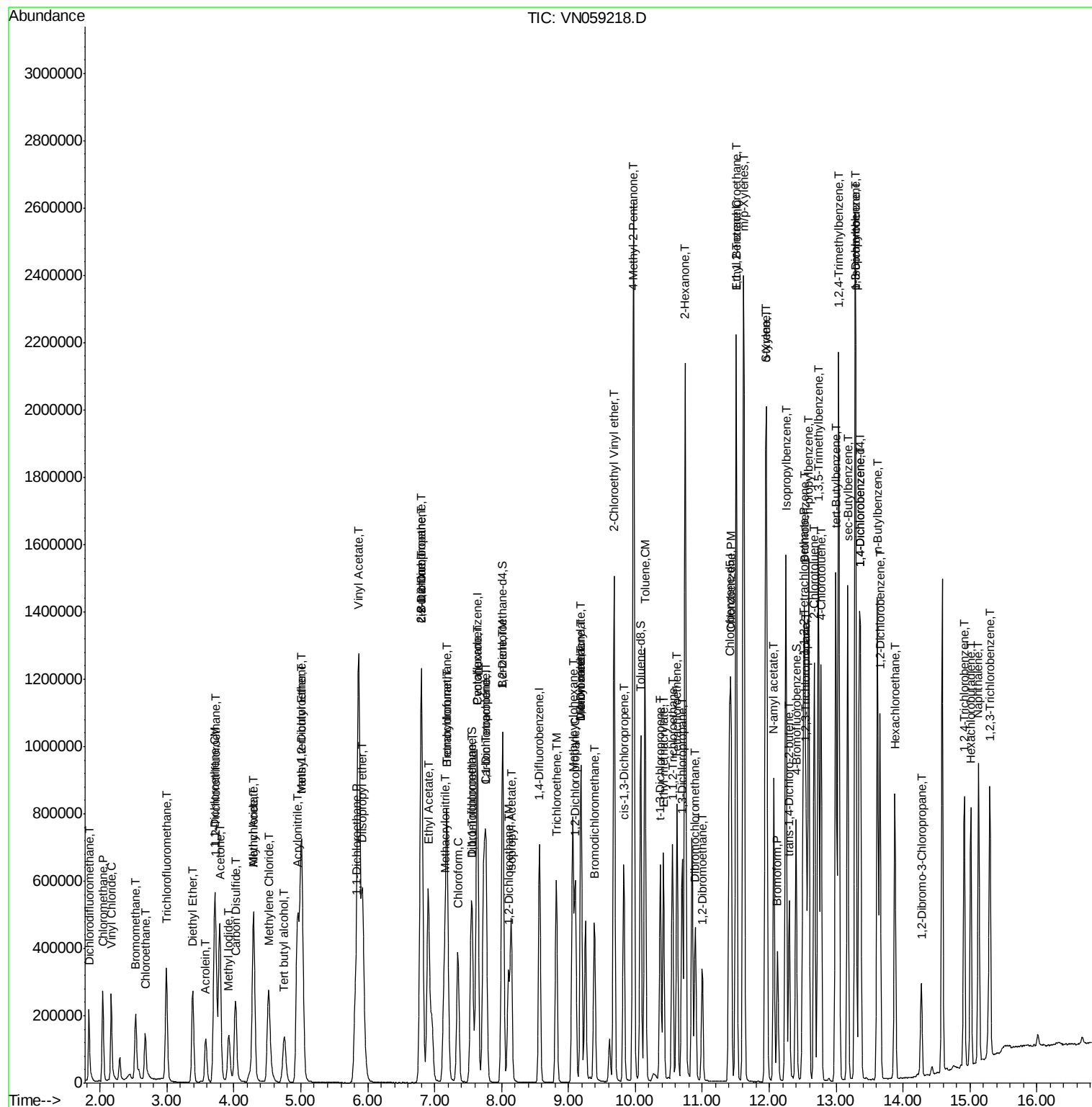
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 419647

Ion Ratio Lower Upper

168 100

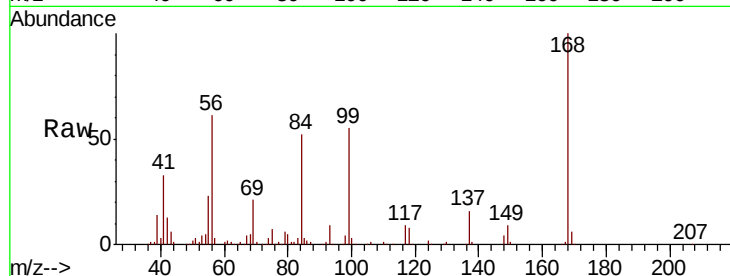
99 54.8 45.7 68.5

Manual Integrations

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11/15/2019 10:21:41 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

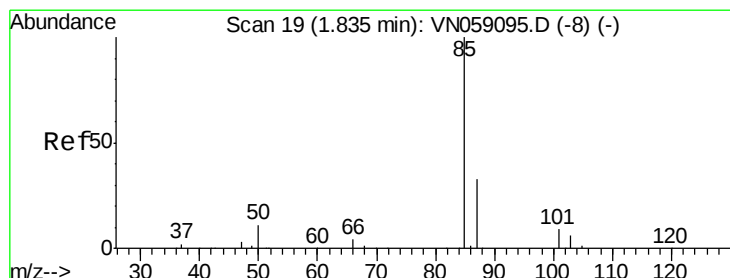
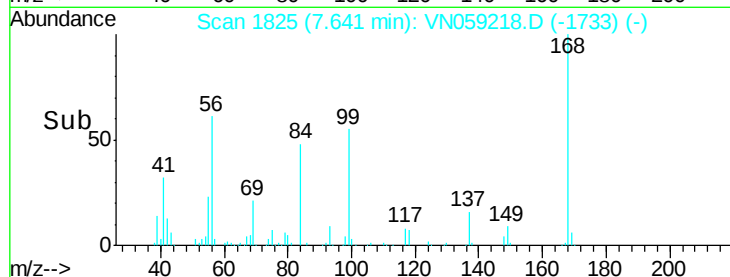
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.499 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059218.D

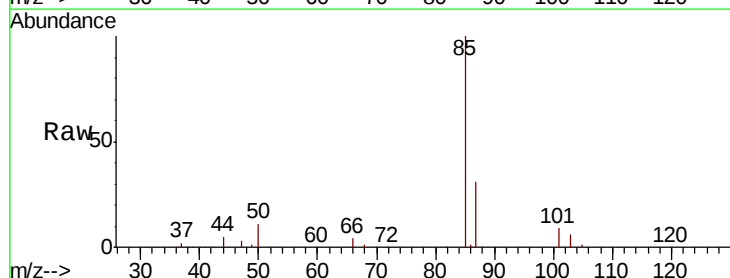
Acq: 14 Nov 2019 9:20

Tgt Ion: 85 Resp: 188146

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

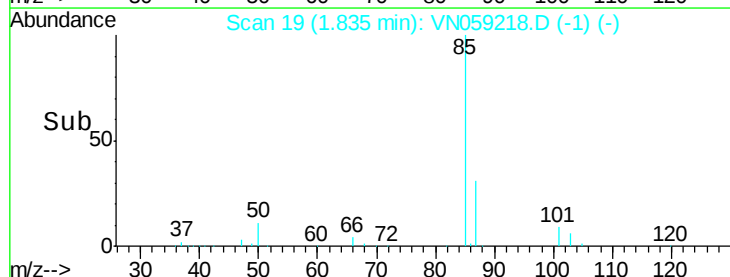
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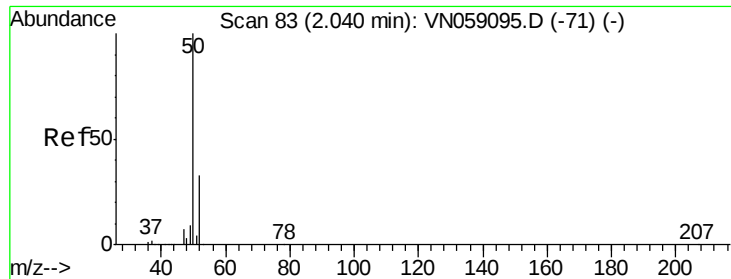
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 44.242 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 254276

Ion Ratio Lower Upper

50 100

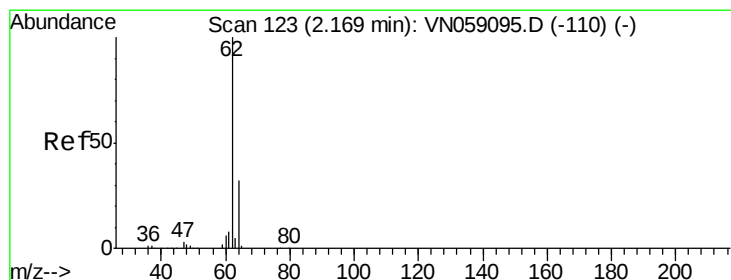
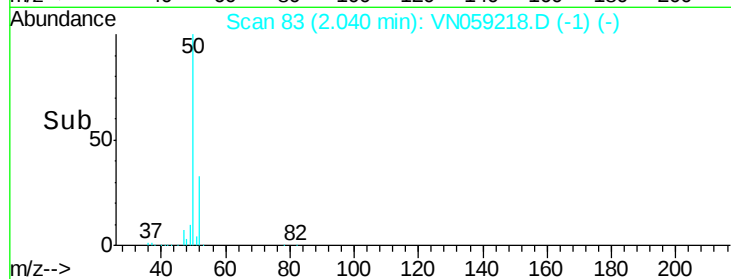
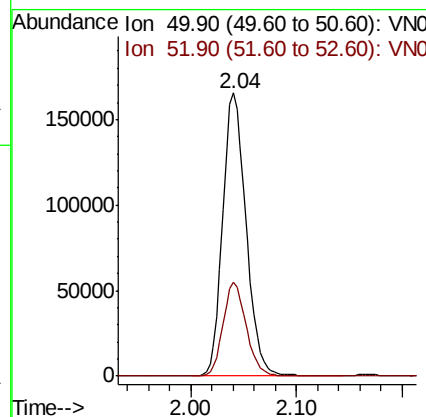
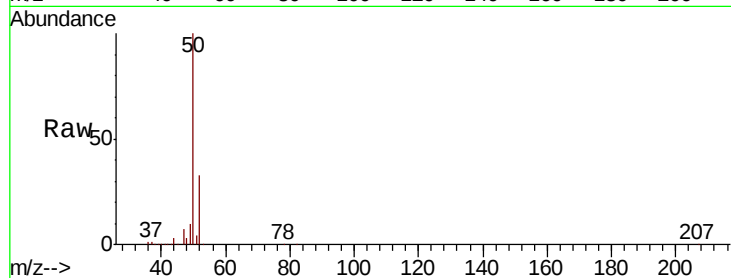
52 33.0 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.393 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059218.D

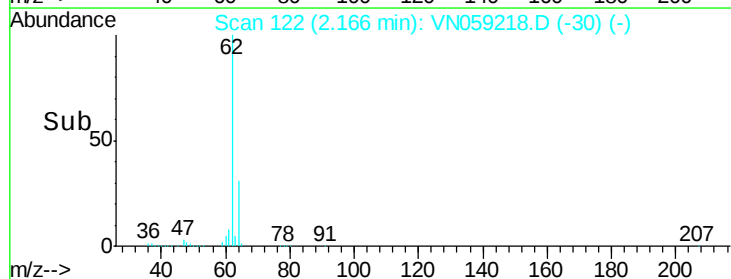
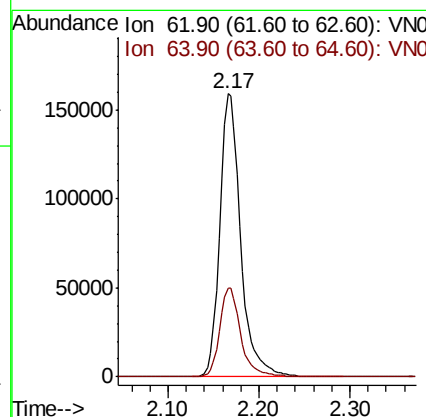
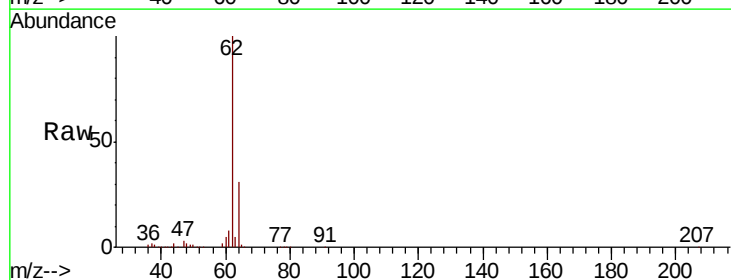
Acq: 14 Nov 2019 9:20

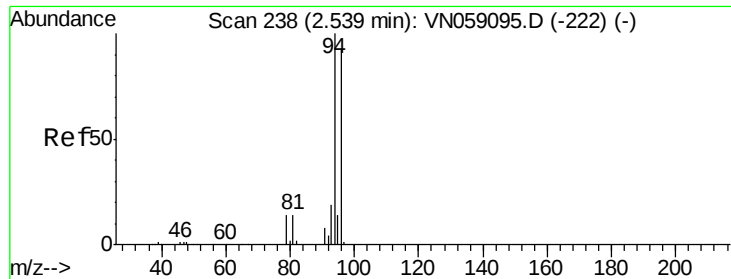
Tgt Ion: 62 Resp: 252939

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2





#5

Bromomethane

Concen: 47.377 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 151920

Ion Ratio Lower Upper

94 100

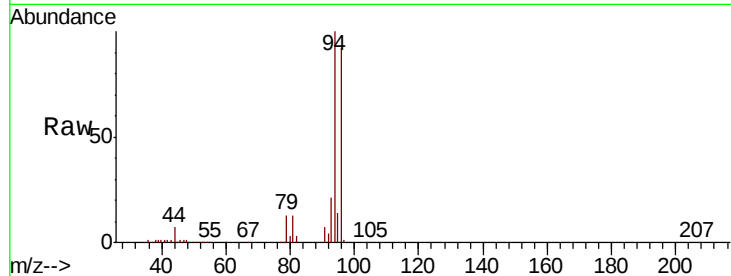
96 91.6 74.2 111.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN059218.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN059218.D (-145) (-)

2.53

80000

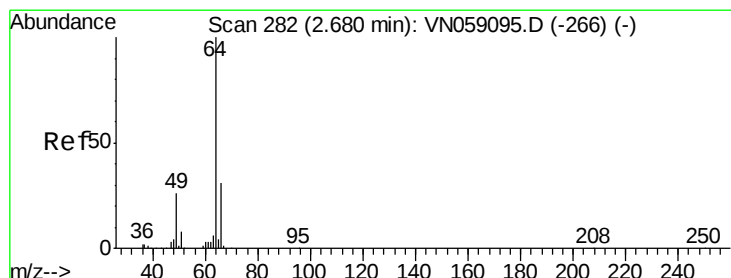
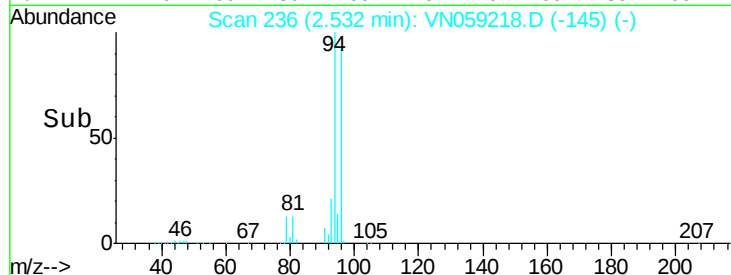
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 45.964 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059218.D

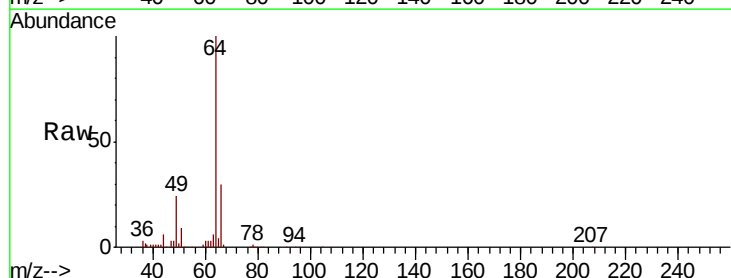
Acq: 14 Nov 2019 9:20

Tgt Ion: 64 Resp: 151509

Ion Ratio Lower Upper

64 100

66 30.5 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN059218.D (-189) (-)

Ion 65.90 (65.60 to 66.60): VN059218.D (-189) (-)

2.68

80000

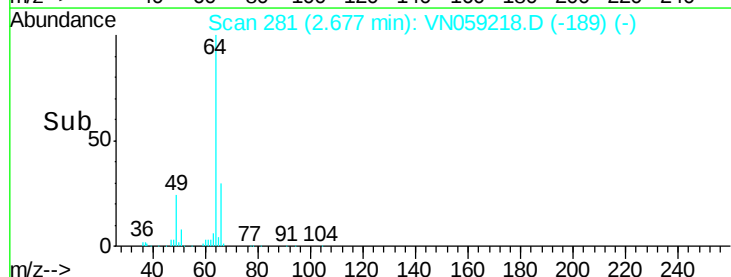
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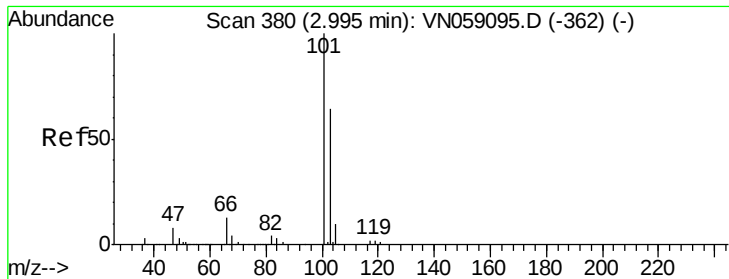
40000

20000

0

Time-->





#7

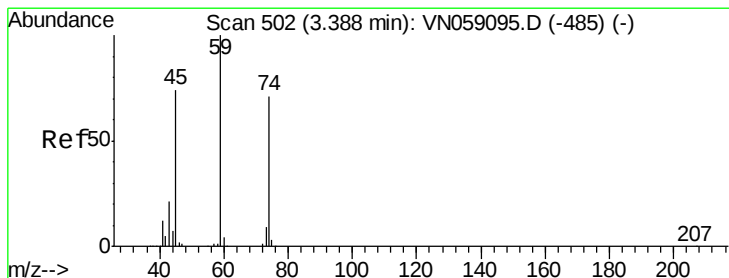
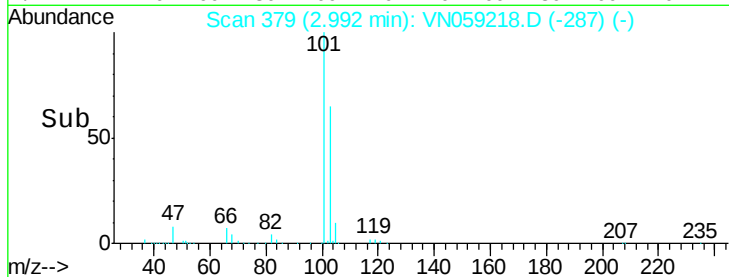
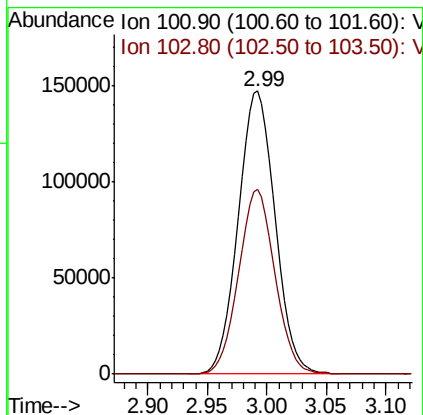
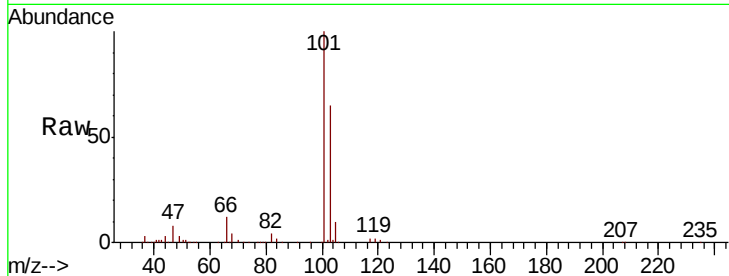
Trichlorofluoromethane
Concen: 47.505 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	316626		
103	65.1		51.2	76.8

Manual Integrations
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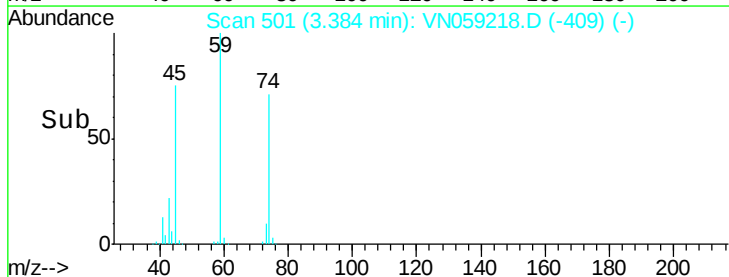
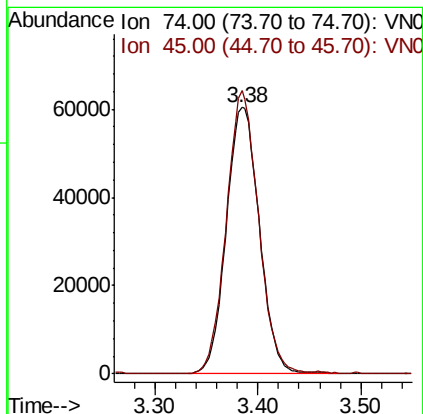
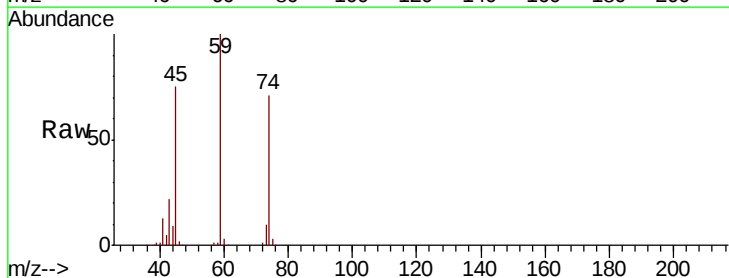
MMDadoda
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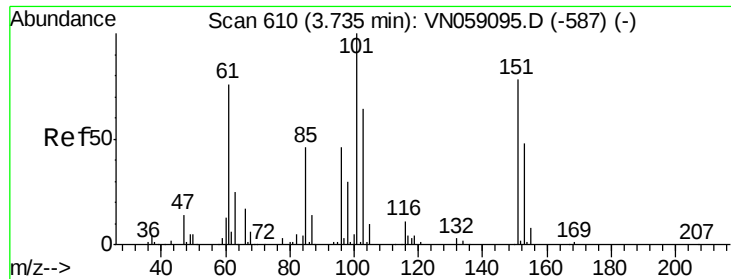


#8

Diethyl Ether
Concen: 49.921 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	135195		
45	102.6		51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.028 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

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MSVOA_N

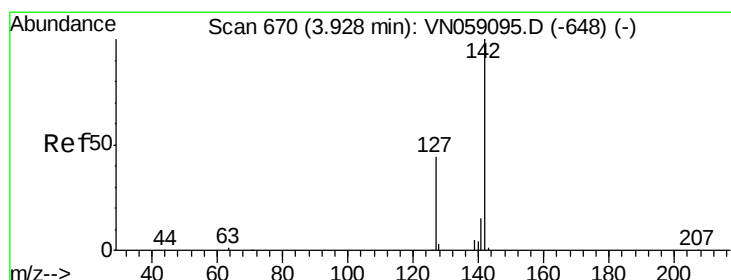
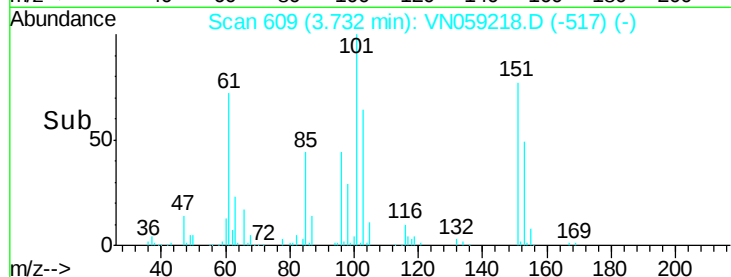
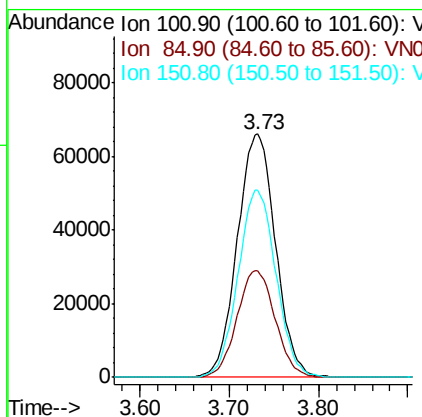
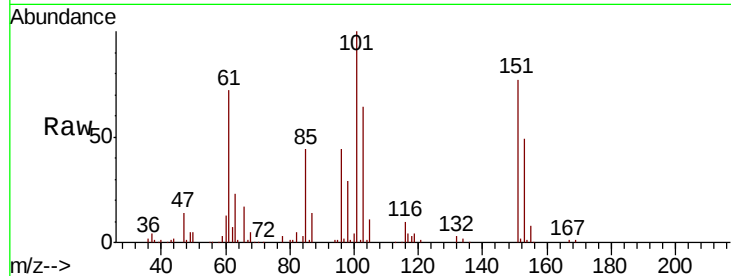
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	197025
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.5	53.3
151	76.4	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 48.779 ug/l

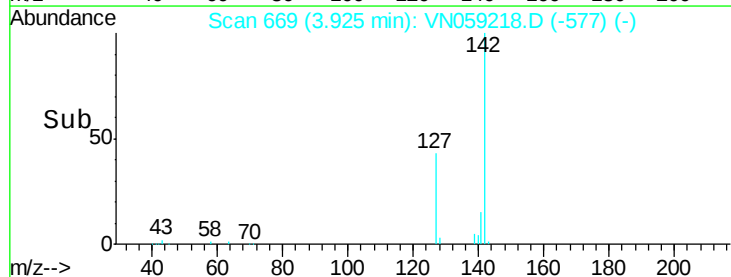
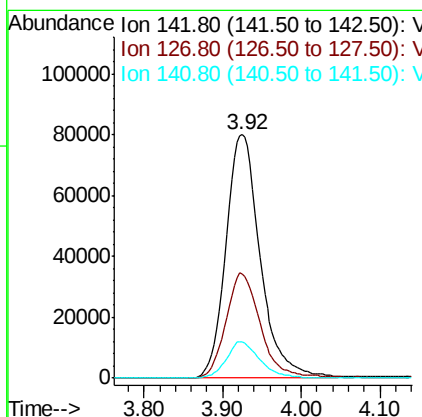
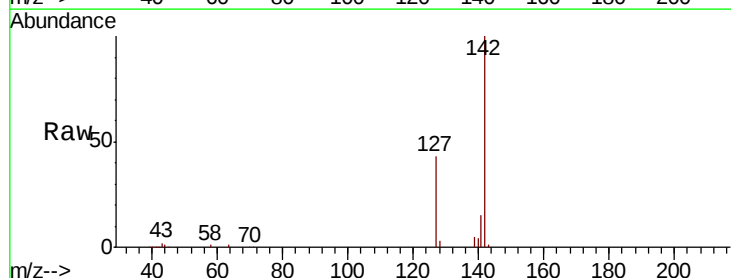
RT: 3.92 min Scan# 669

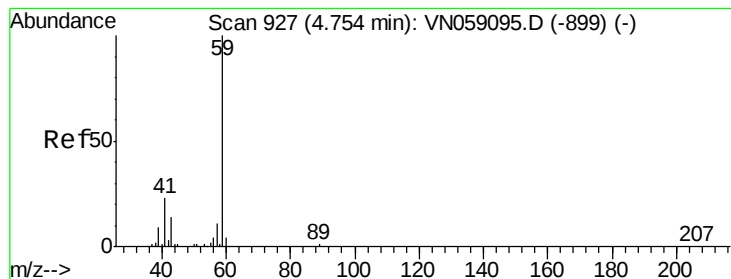
Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Tgt Ion:	142	Resp:	242638
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.2	51.2
141	14.6	11.4	17.0





#11

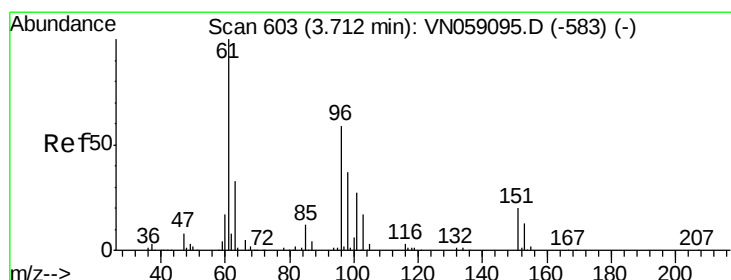
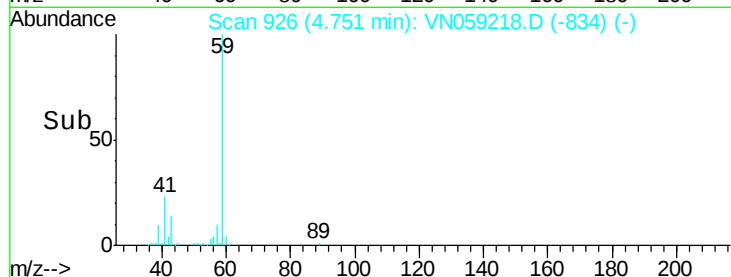
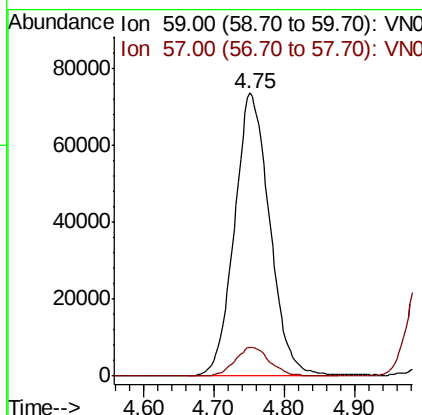
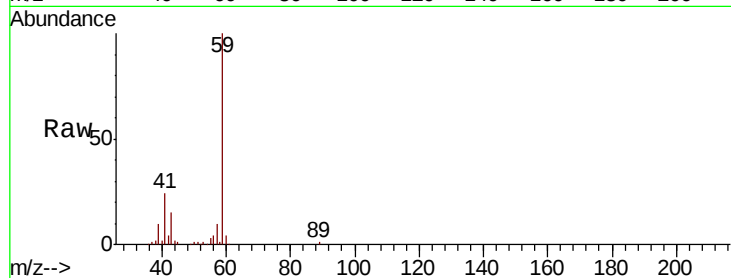
Tert butyl alcohol
Concen: 261.072 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	256662		
57	10.0		8.3	12.5

Manual Integrations
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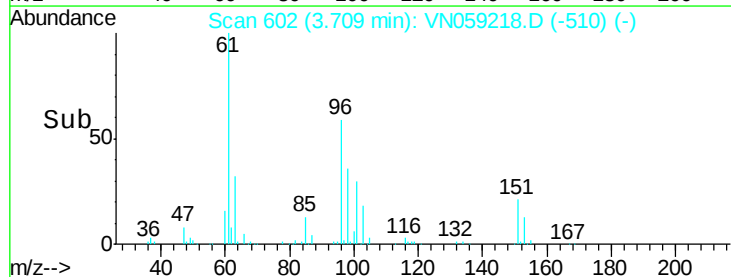
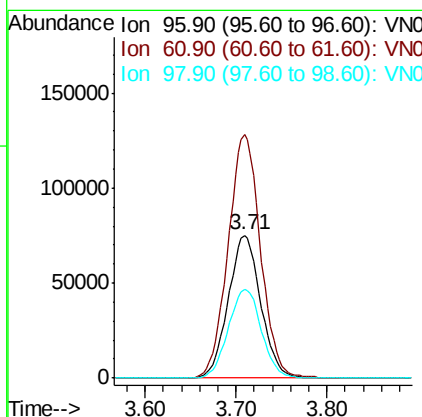
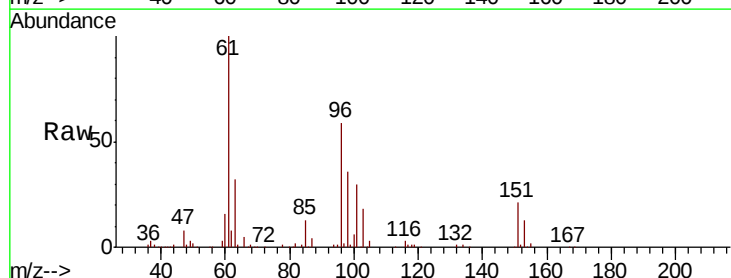
MMDadoda
11/15/2019 10:21:41 AM

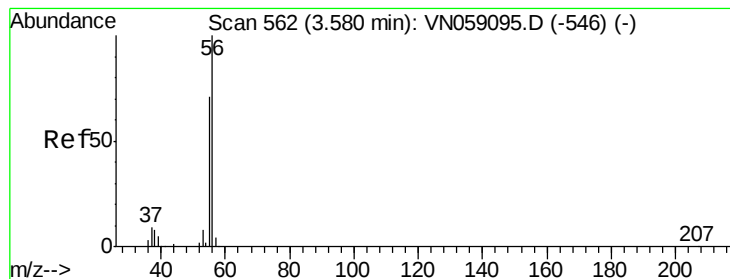


#12

1,1-Dichloroethene
Concen: 47.357 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	185385		
61	170.3		136.5	204.7
98	61.8		50.2	75.4





#13

Acrolein

Concen: 291.357 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 147680

Ion Ratio Lower Upper

56 100

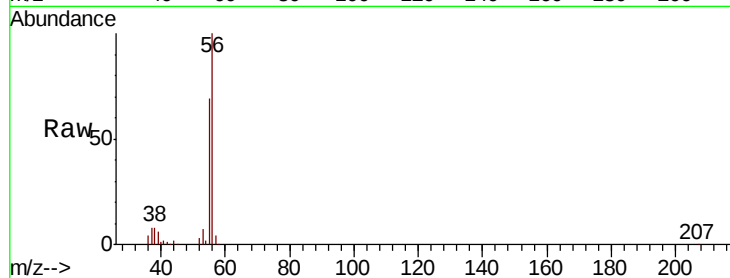
55 72.9 56.4 84.6

Manual Integrations

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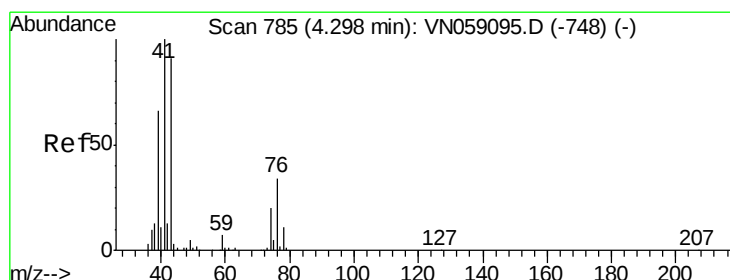
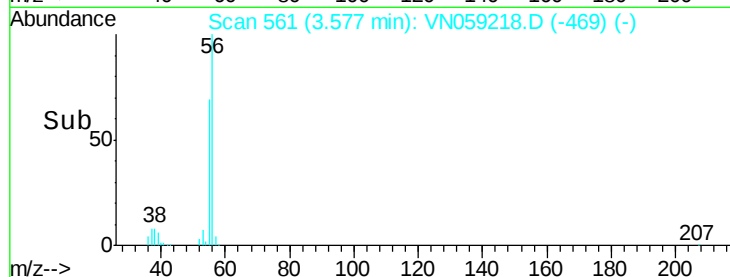
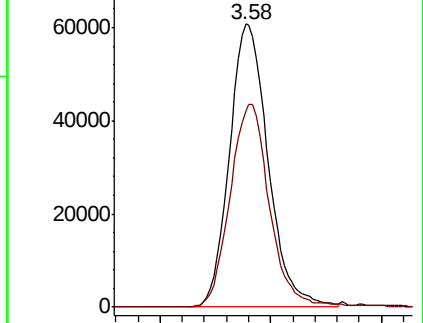
MMDadoda

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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: 48.080 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

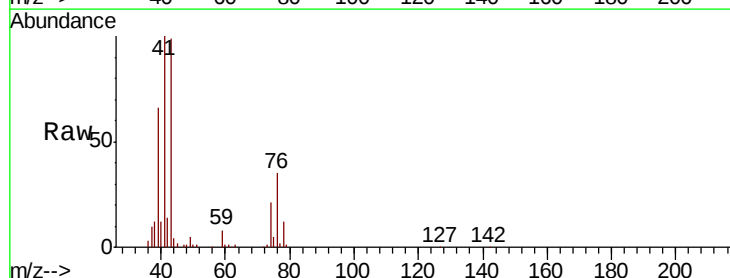
Tgt Ion: 41 Resp: 386624

Ion Ratio Lower Upper

41 100

39 59.9 49.1 73.7

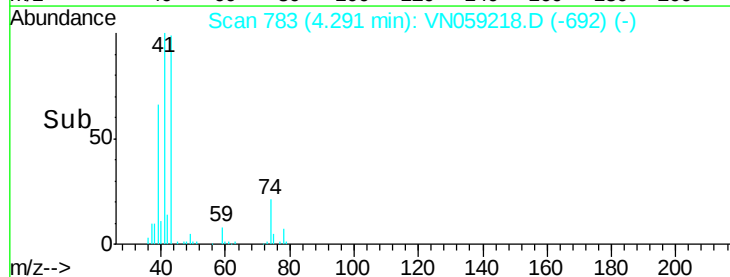
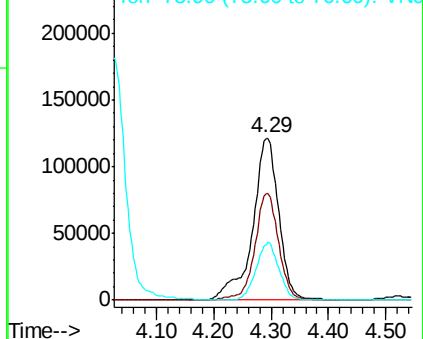
76 30.7 24.9 37.3

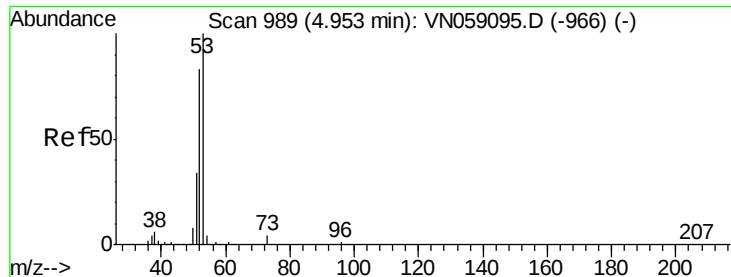


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 267.396 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

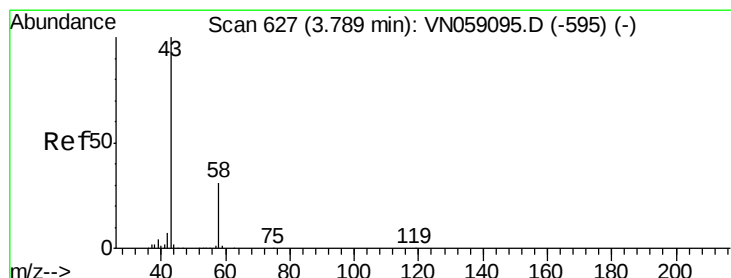
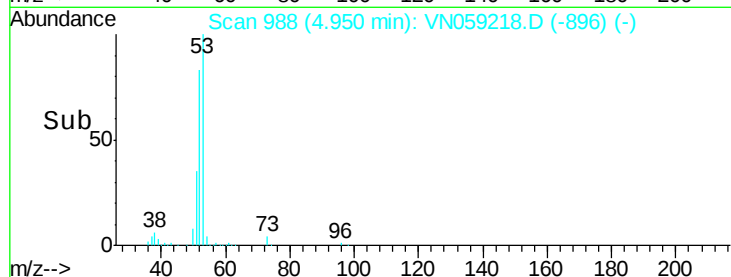
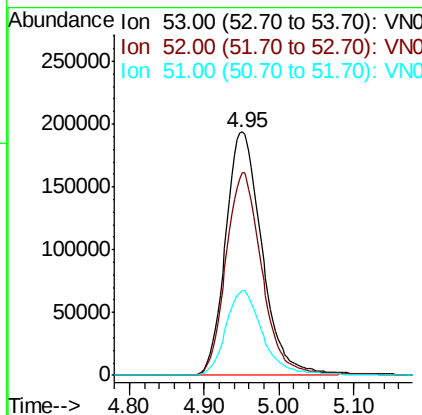
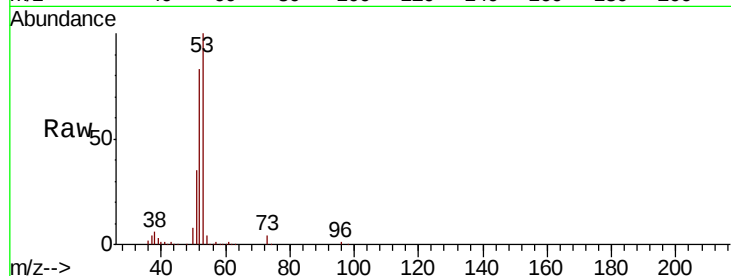
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	654214
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.0	97.6
51	35.1	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 285.934 ug/l

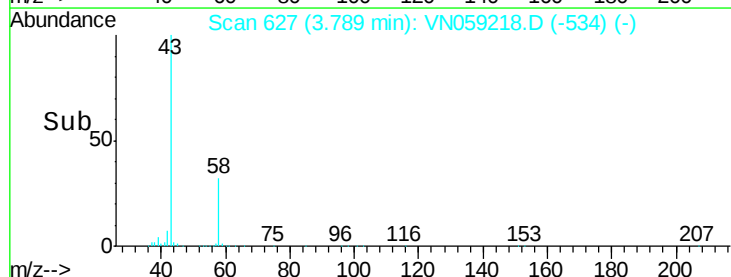
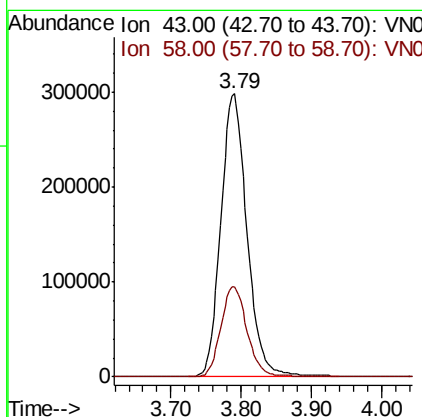
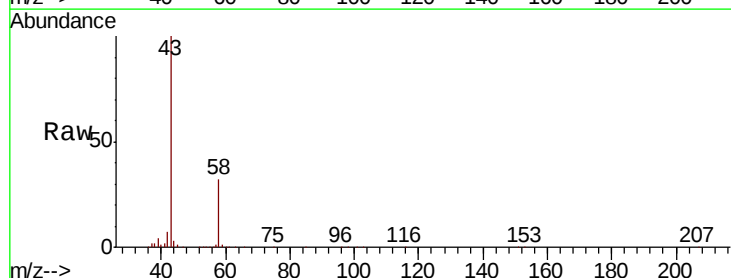
RT: 3.79 min Scan# 627

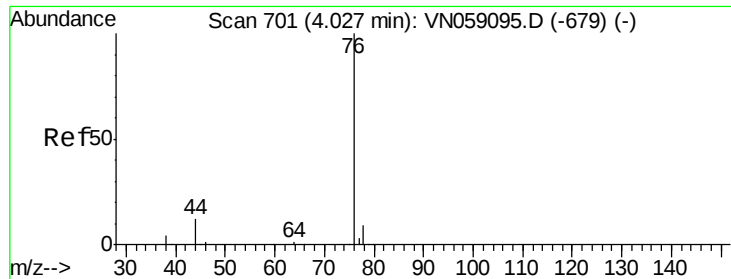
Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Tgt Ion:	43	Resp:	767029
Ion Ratio	Lower	Upper	
43	100		
58	31.8	24.9	37.3





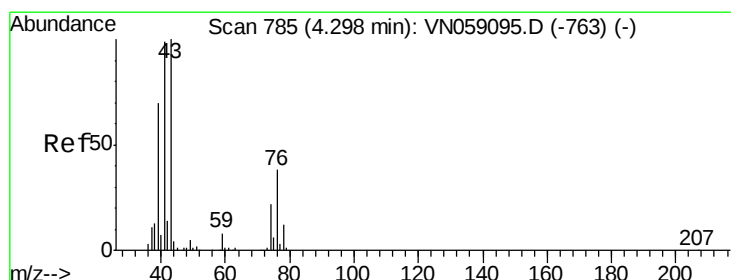
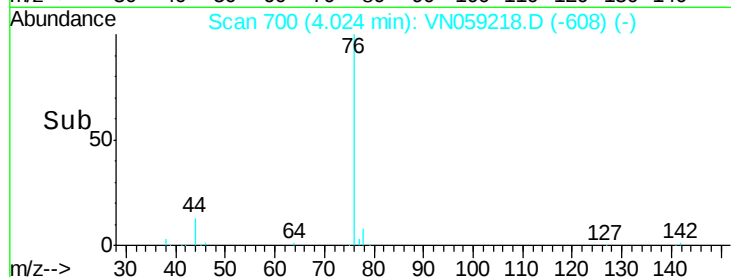
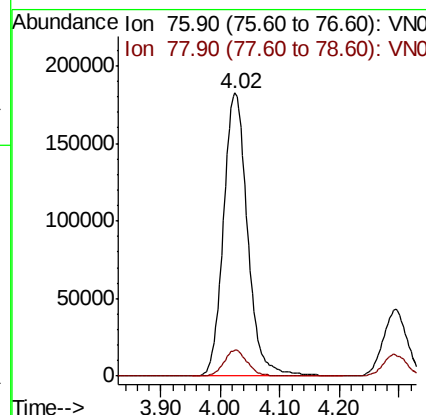
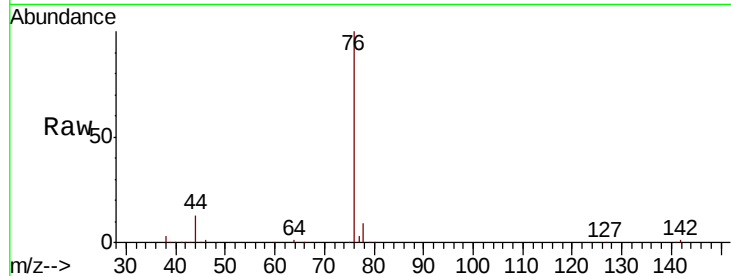
#17
Carbon Disulfide
Concen: 42.164 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

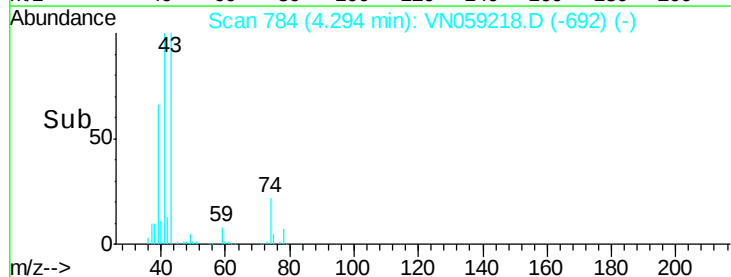
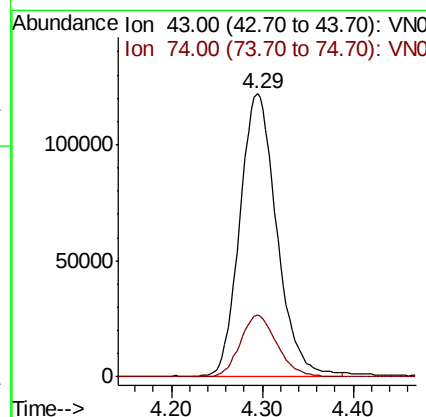
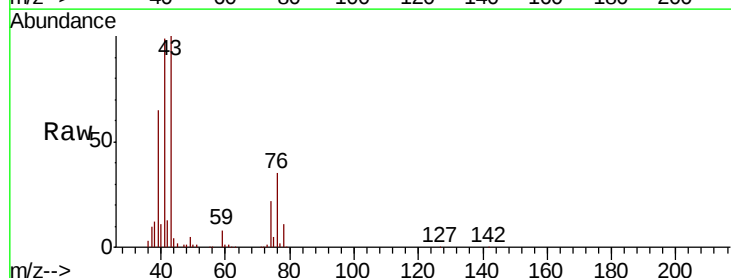
Manual Integrations
APPROVED

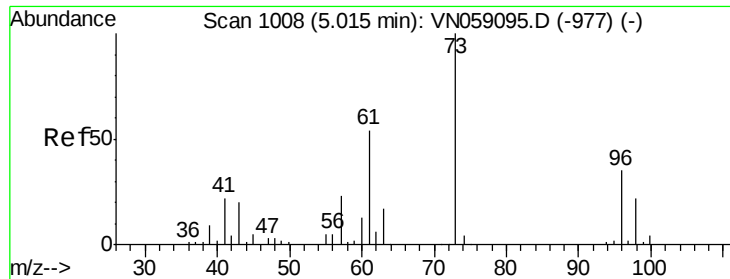
MMDadoda
11/15/2019 10:21:41 AM



#18
Methyl Acetate
Concen: 53.678 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.8	26.8





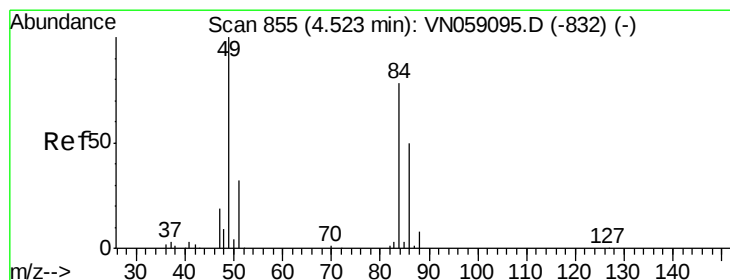
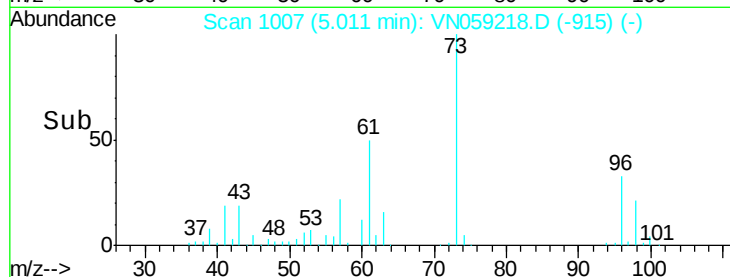
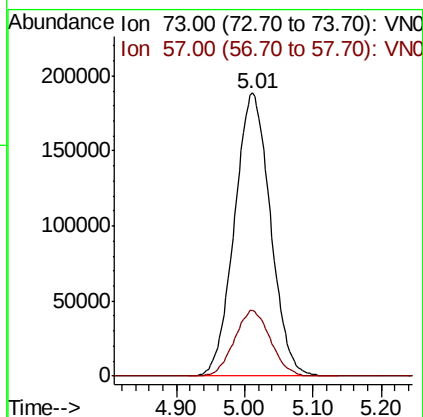
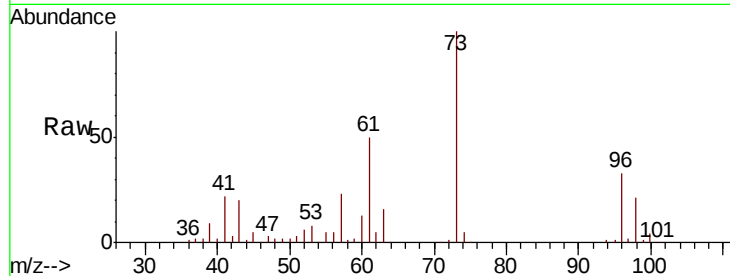
#19
Methvl tert-butvl Ether
Concen: 51.158 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 689489
Ion Ratio Lower Upper
73 100
57 23.2 18.4 27.6

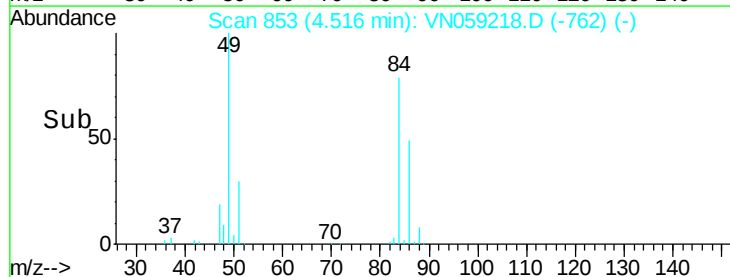
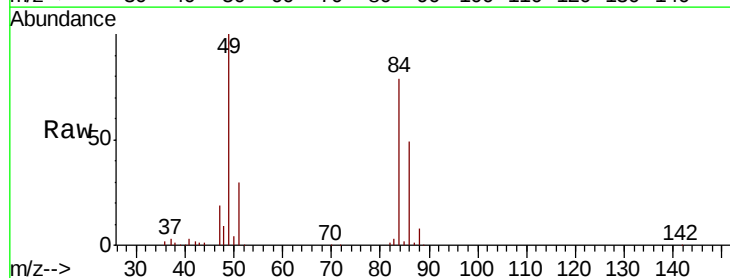
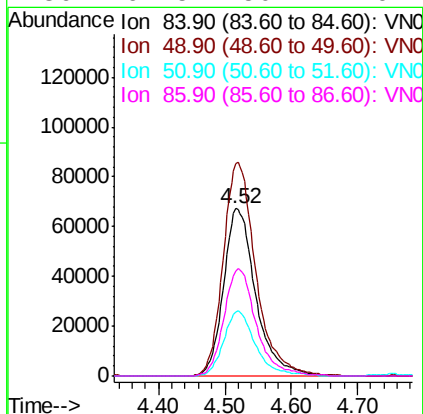
Manual Integrations
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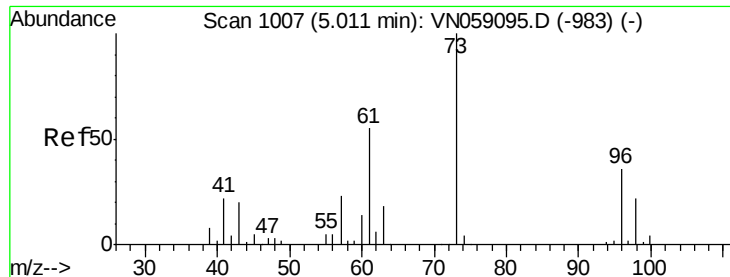
MMDadoda
11/15/2019 10:21:41 AM



#20
Methylene Chloride
Concen: 48.623 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion: 84 Resp: 227237
Ion Ratio Lower Upper
84 100
49 127.0 102.0 153.0
51 38.4 32.2 48.2
86 62.5 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 47.992 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 201660

Ion Ratio Lower Upper

96 100

61 149.7 122.6 183.8

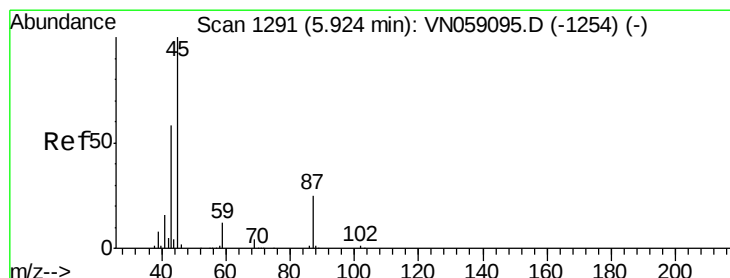
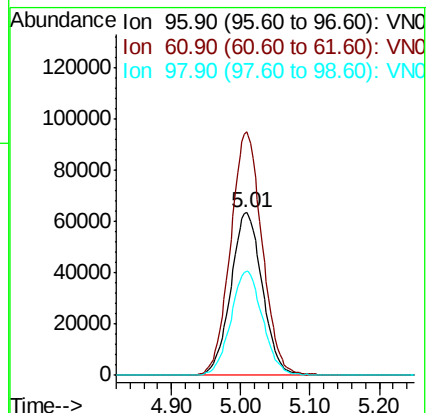
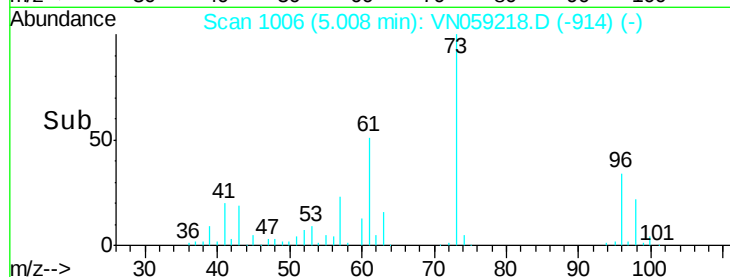
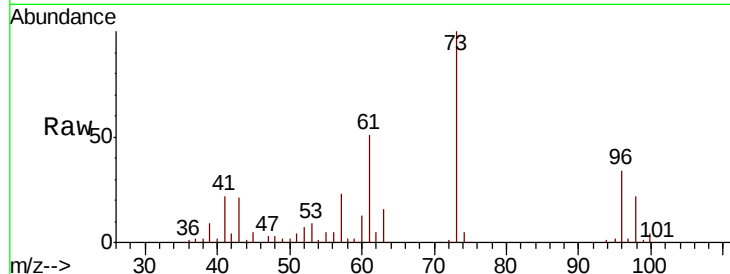
98 64.2 50.3 75.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 51.157 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Tgt Ion: 45 Resp: 777008

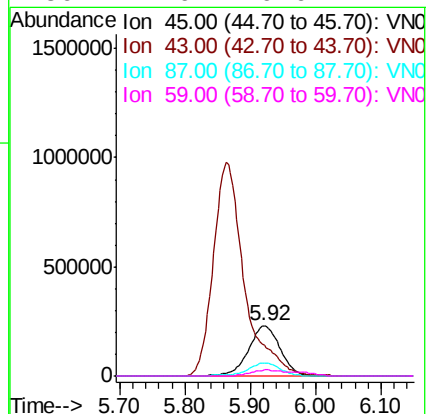
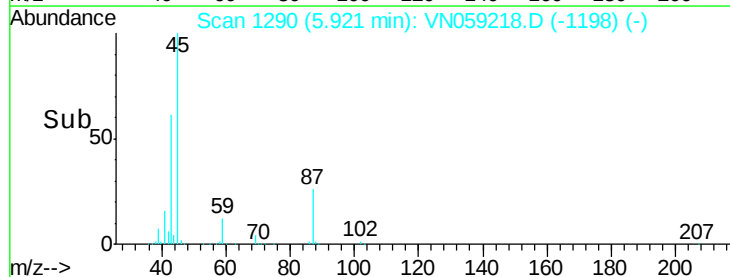
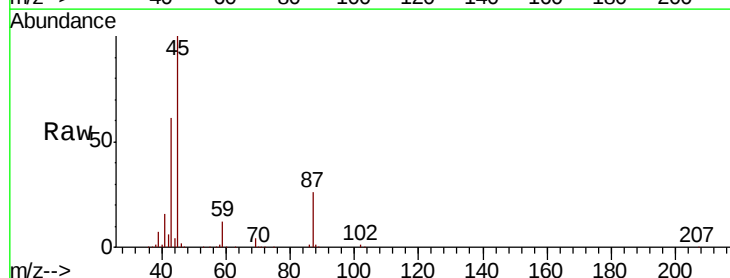
Ion Ratio Lower Upper

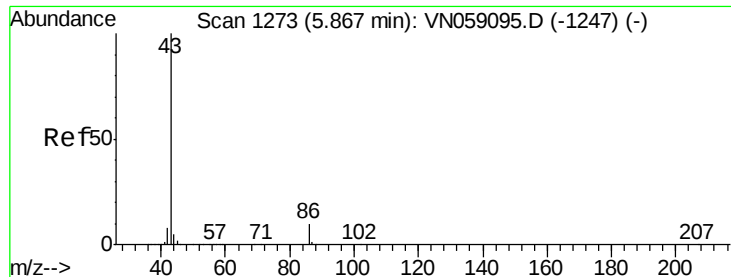
45 100

43 59.8 46.7 70.1

87 26.1 20.5 30.7

59 11.6 9.6 14.4





#23

Vinyl Acetate

Concen: 274.008 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3225474

Ion Ratio Lower Upper

43 100

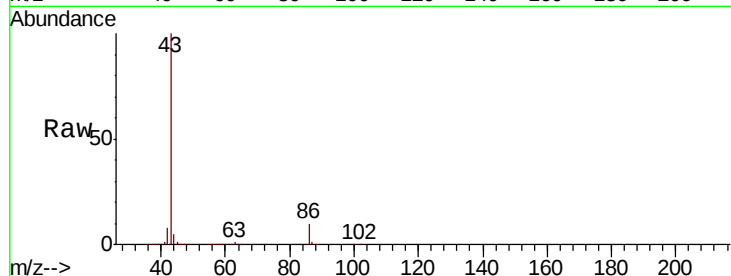
86 9.8 7.7 11.5

Manual Integrations

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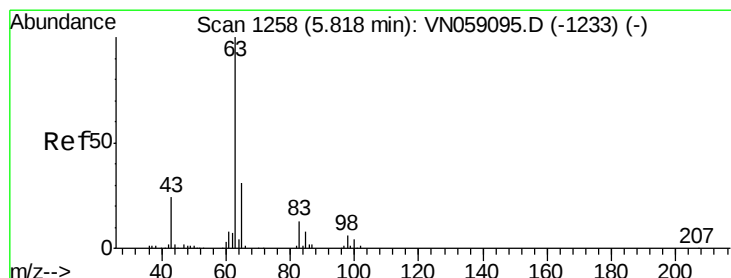
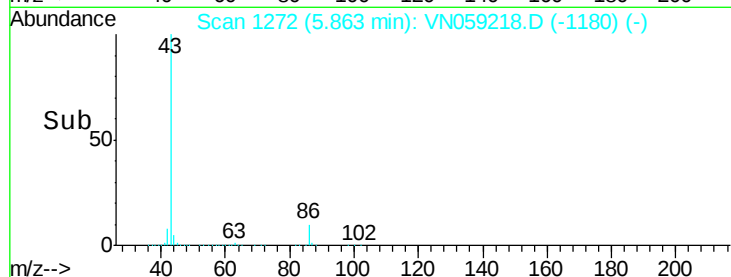
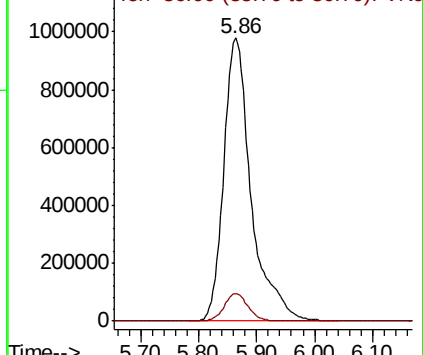
MMDadoda

11/15/2019 10:21:41 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: 49.150 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

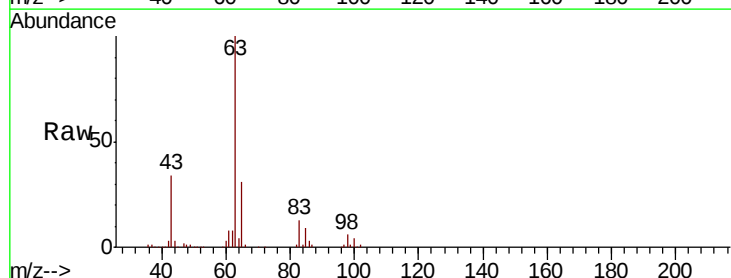
Tgt Ion: 63 Resp: 416950

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

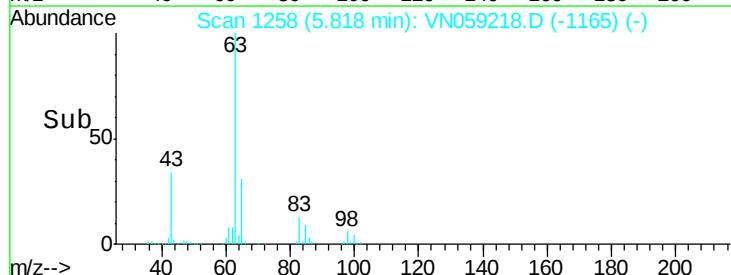
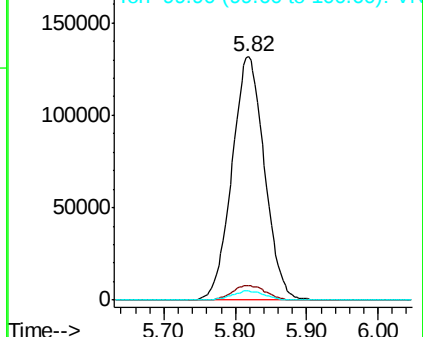
100 3.7 1.9 5.7



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: 276.699 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 978253

Ion Ratio Lower Upper

43 100

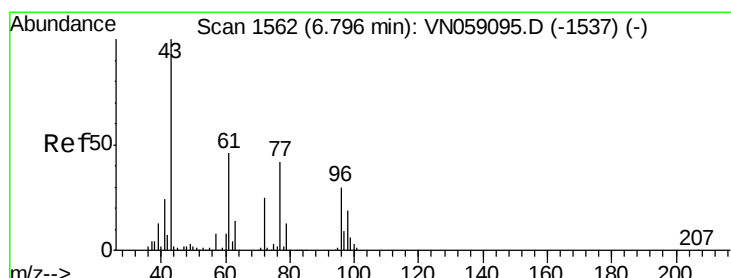
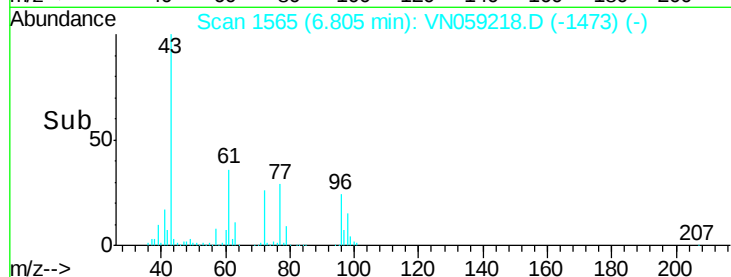
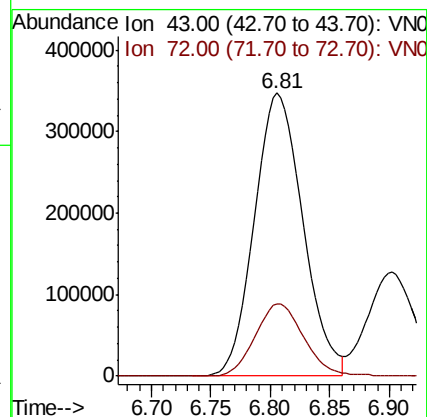
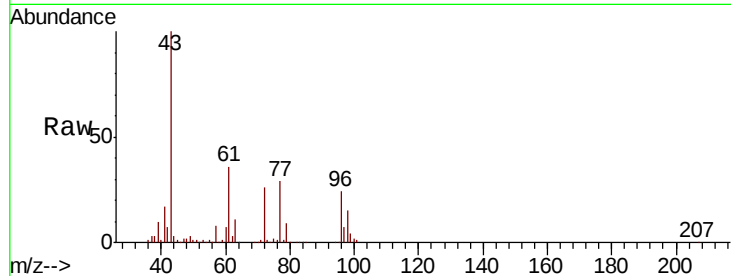
72 25.6 20.3 30.5

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#26

2,2-Dichloropropane

Concen: 48.987 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059218.D

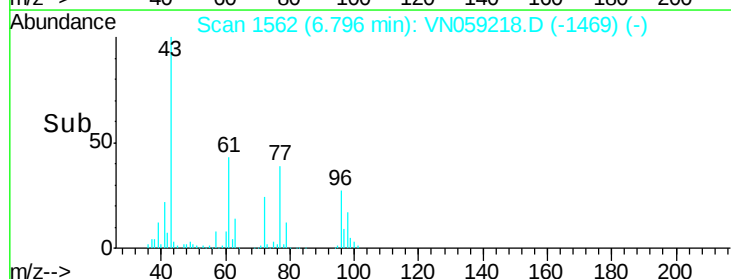
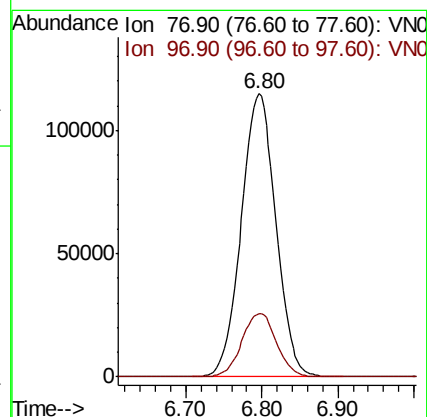
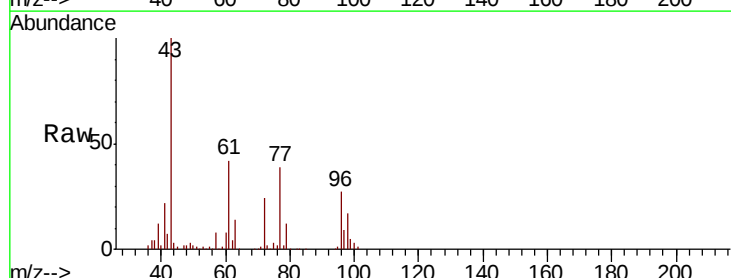
Acq: 14 Nov 2019 9:20

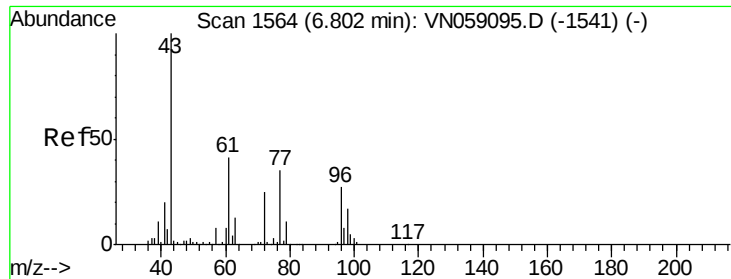
Tgt Ion: 77 Resp: 363378

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 49.756 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

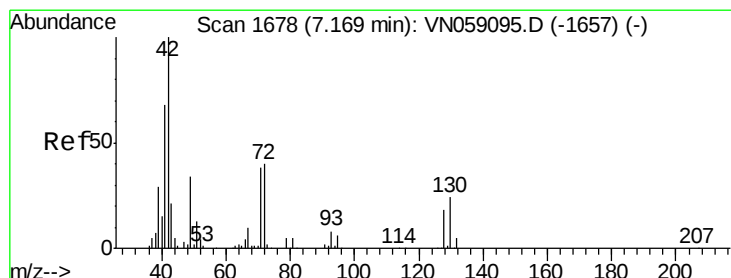
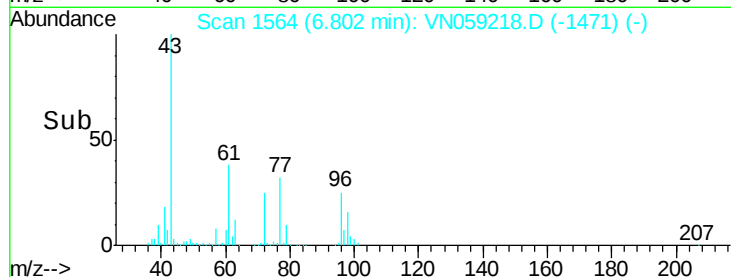
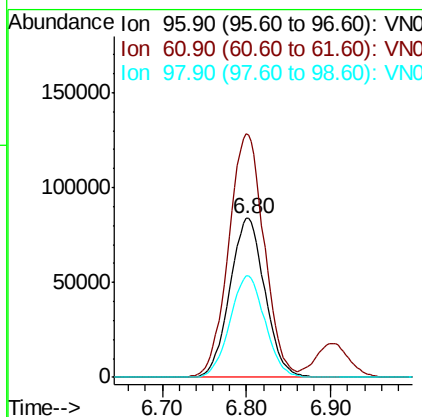
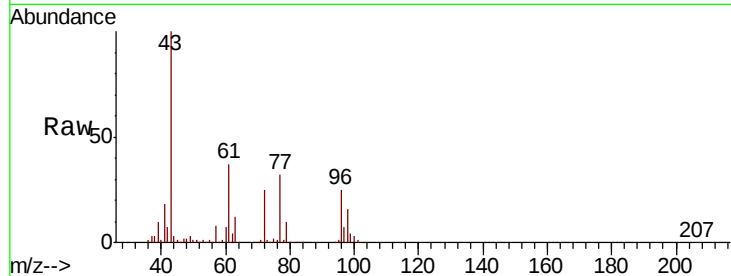
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	242561
Ion	Ratio	Lower	Upper
96	100		
61	155.0	0.0	311.6
98	63.8	0.0	129.8

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#28

Bromochloromethane

Concen: 47.227 ug/l

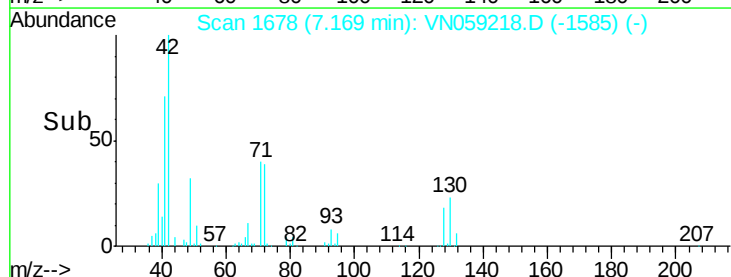
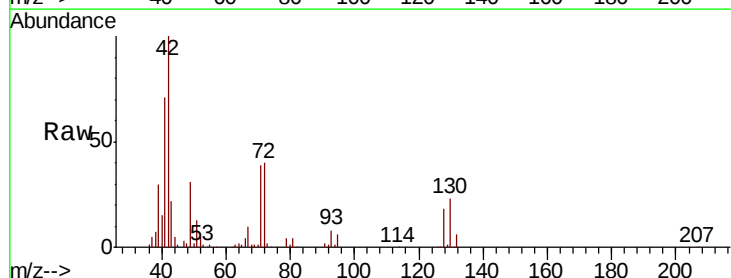
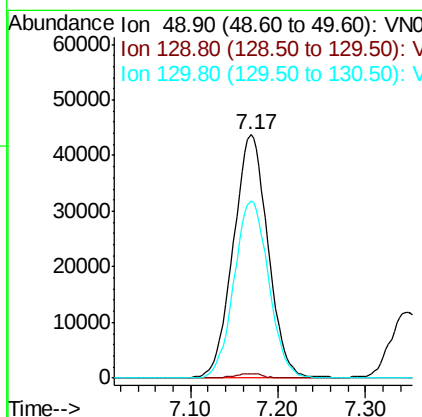
RT: 7.17 min Scan# 1678

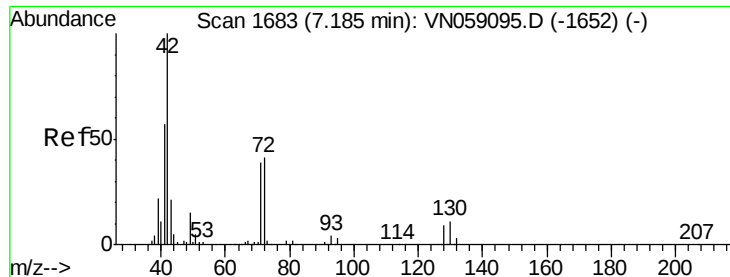
Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Tgt Ion:	49	Resp:	120536
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	72.4	55.6	83.4





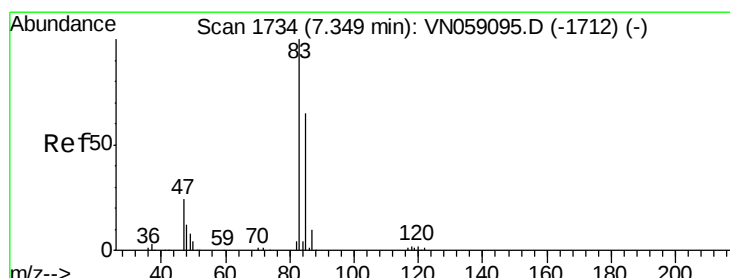
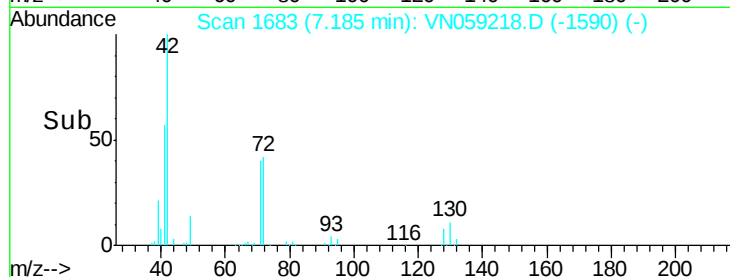
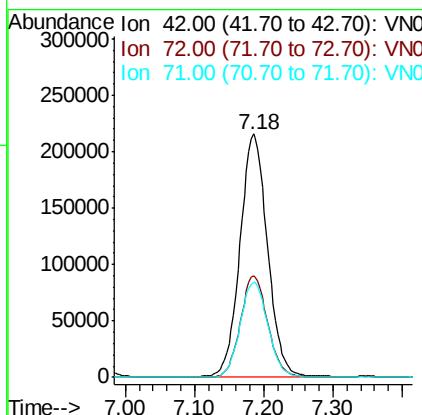
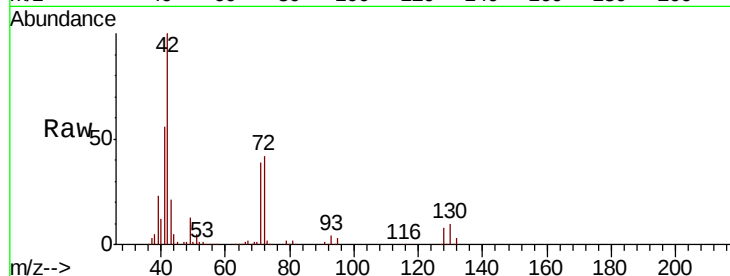
#29
Tetrahydrofuran
Concen: 265.977 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	597494		
72	41.4		33.1	49.7
71	39.5		30.9	46.3

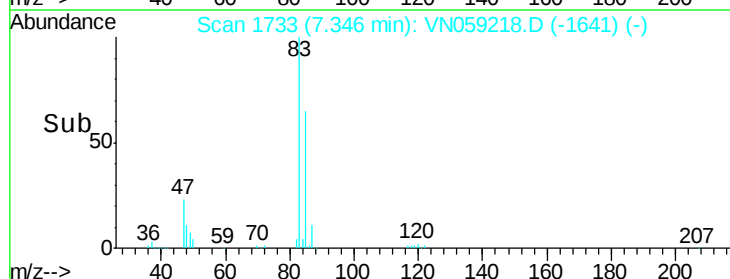
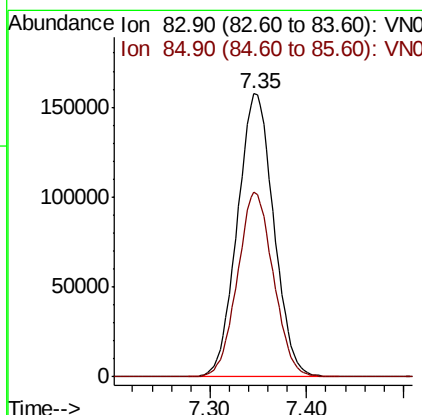
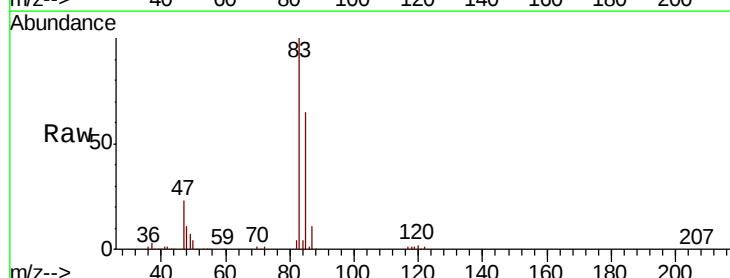
Manual Integrations
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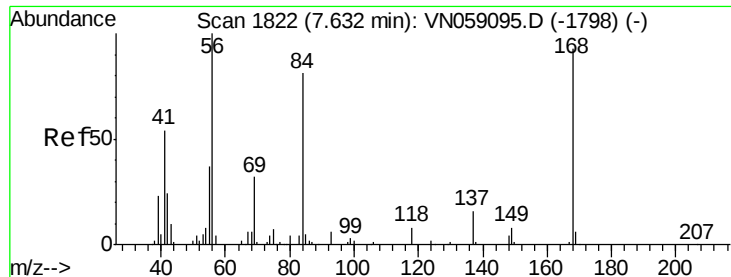
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#30
Chloroform
Concen: 50.573 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	411550		
85	65.4		51.8	77.8





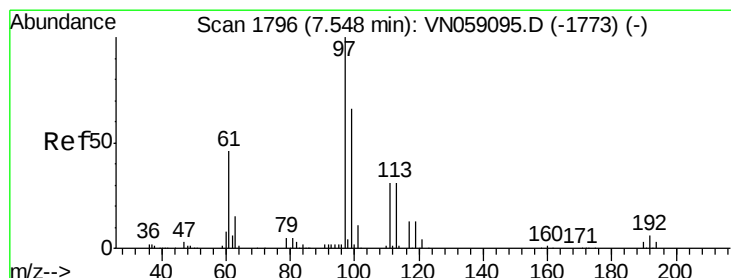
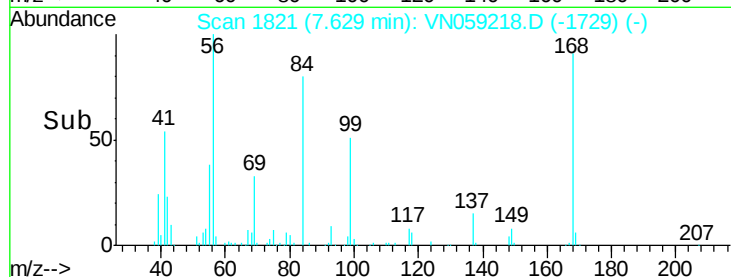
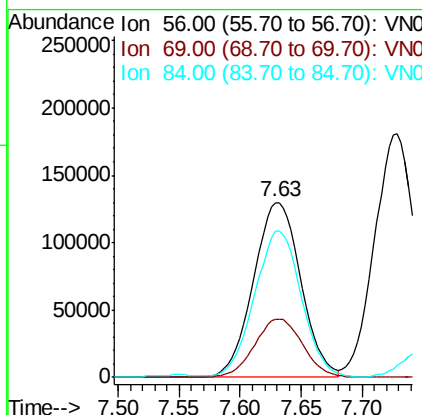
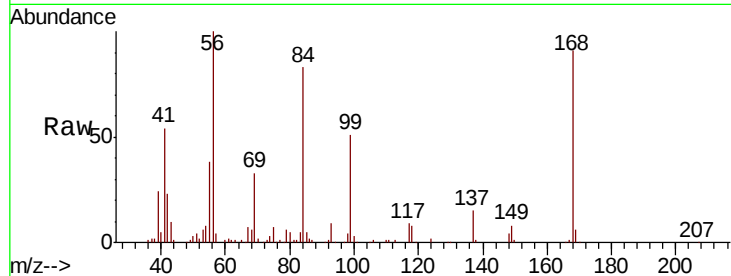
#31
Cyclohexane
Concen: 43.591 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.8	38.8
84	82.0	65.0	97.4

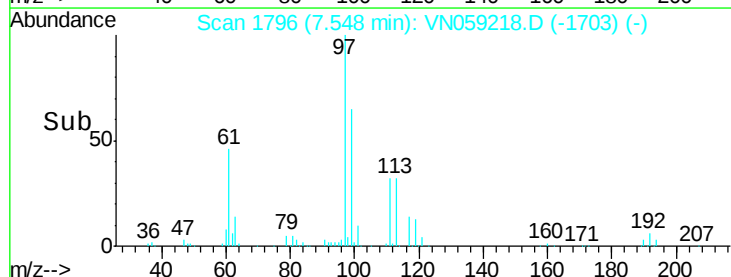
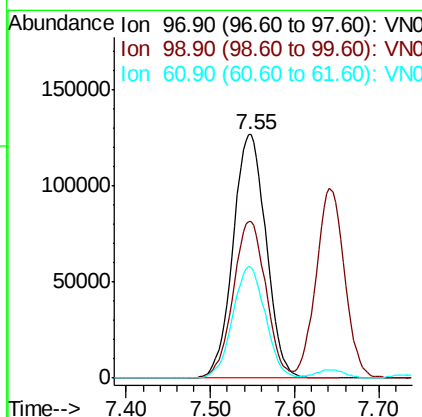
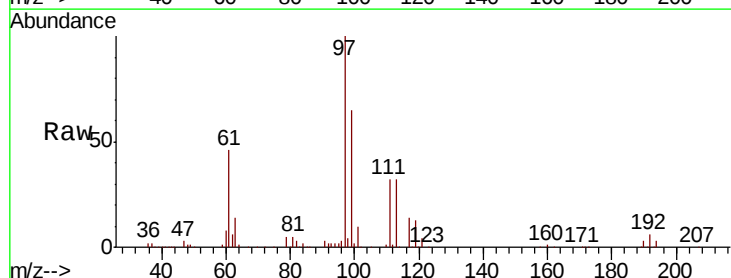
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 50.407 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	45.3	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 45.951 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 237040

Ion Ratio Lower Upper

65 100

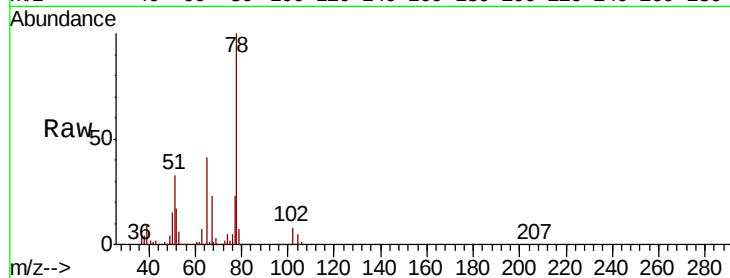
67 54.1 0.0 107.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN059218.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059218.D (-1845) (-)

8.00

100000

80000

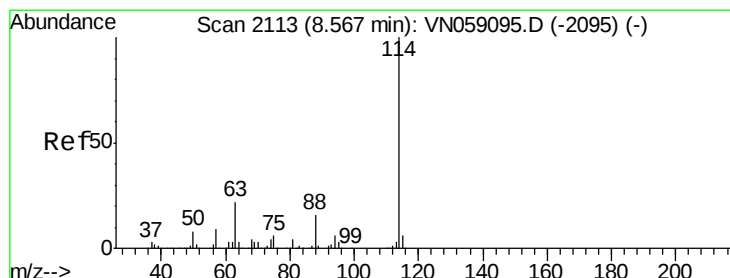
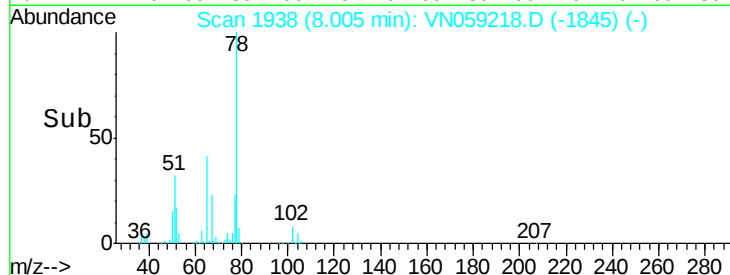
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

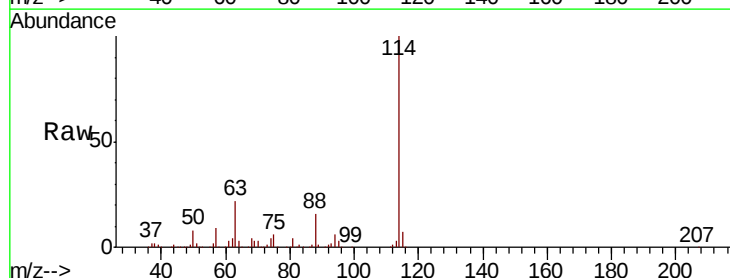
Tgt Ion: 114 Resp: 638362

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.4

88 16.3 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059218.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059218.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059218.D (-2020) (-)

8.57

400000

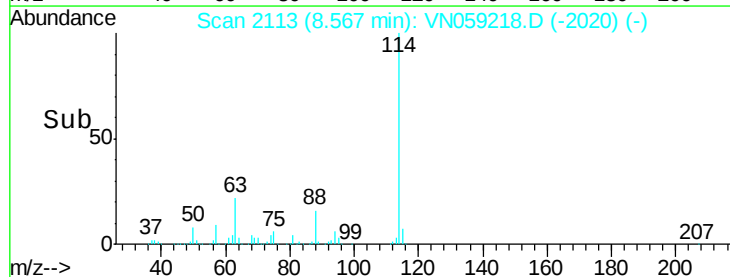
300000

200000

100000

0

Time-->





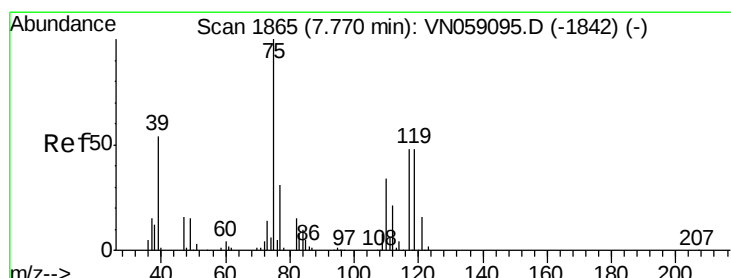
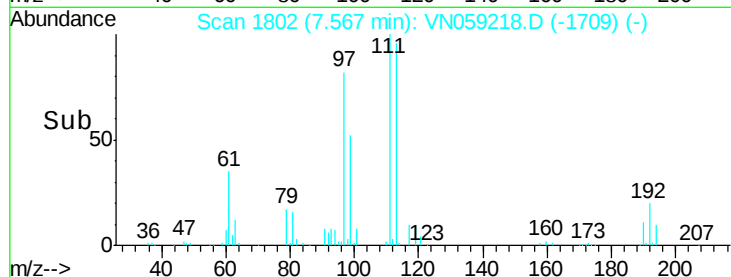
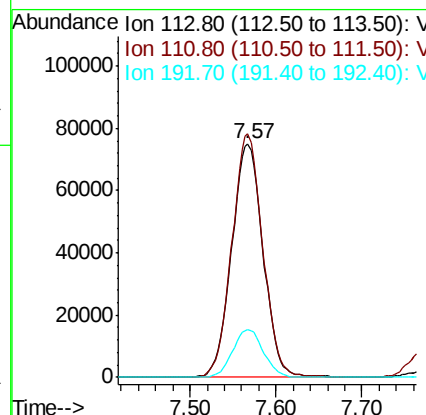
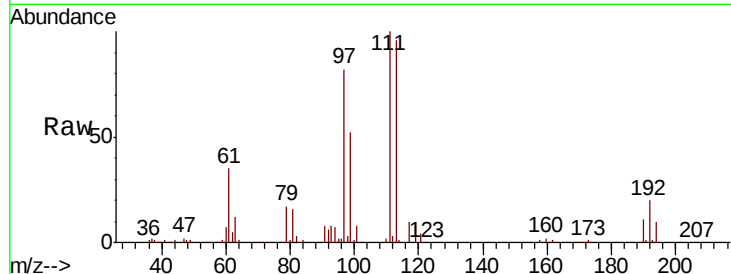
#35
Dibromofluoromethane
Concen: 50.055 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	190791		
111	102.1	82.8	124.2	
192	20.0	16.1	24.1	

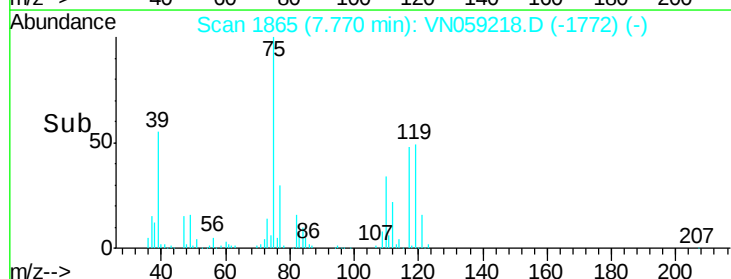
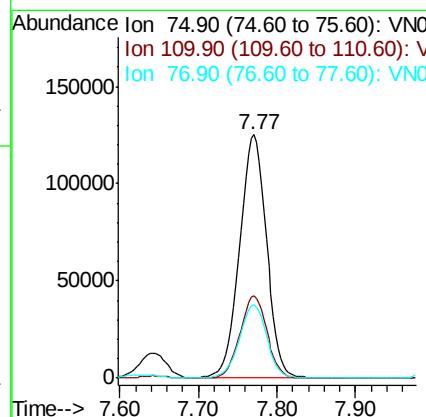
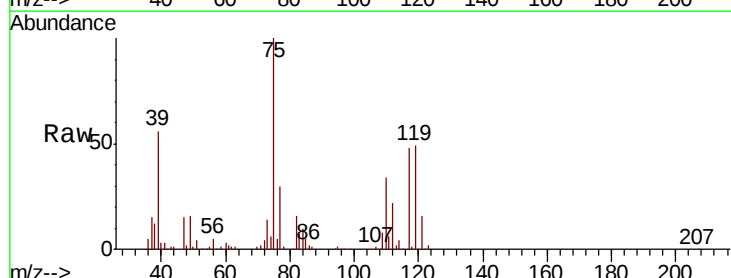
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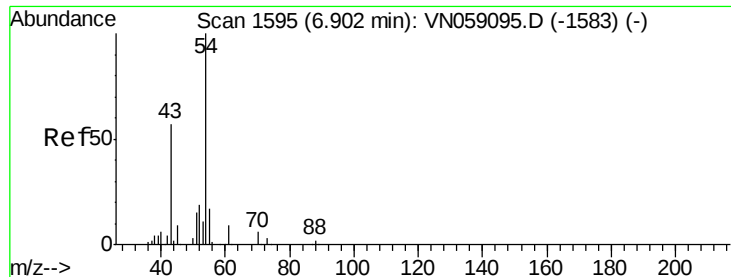
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#36
1,1-Dichloropropene
Concen: 50.402 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	300740		
110	33.7	17.1	51.2	
77	30.8	24.8	37.2	





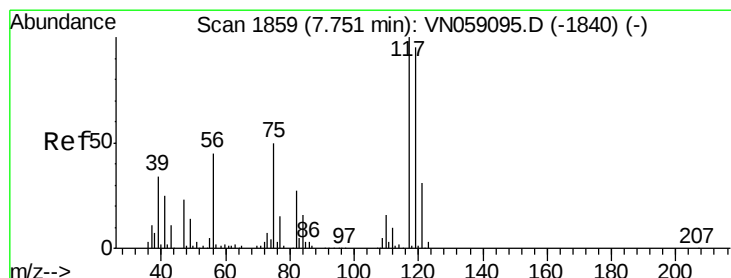
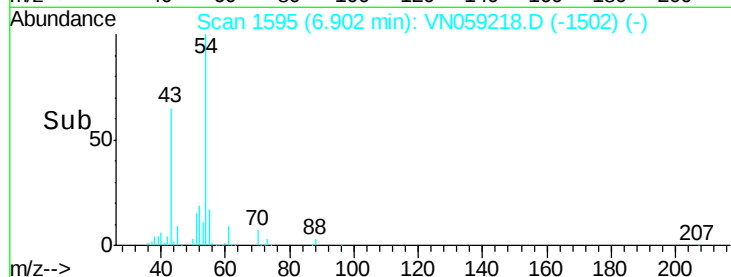
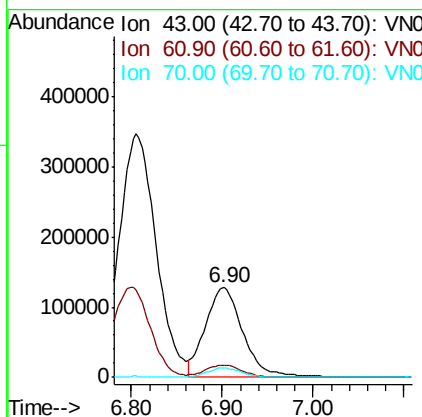
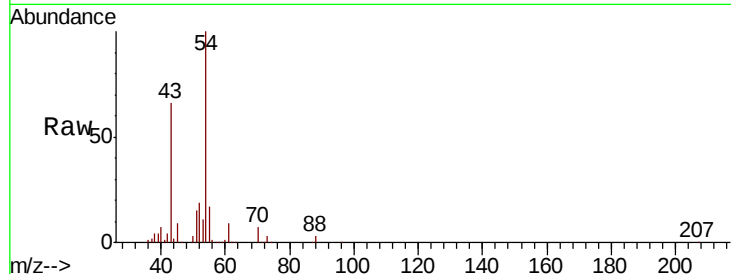
#37
Ethyl Acetate
Concen: 54.221 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.2	16.8
70	9.8	7.8	11.8

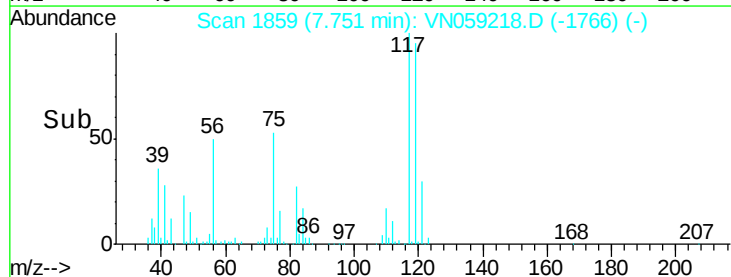
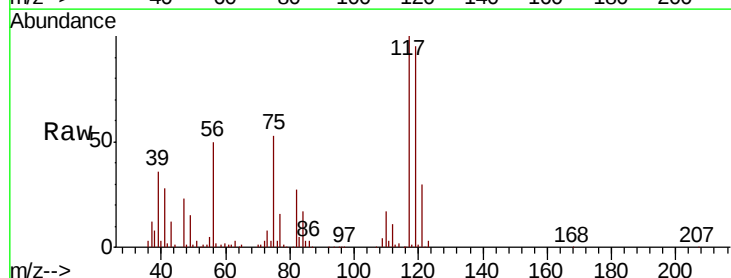
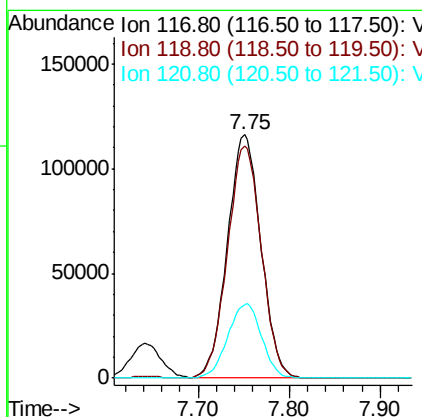
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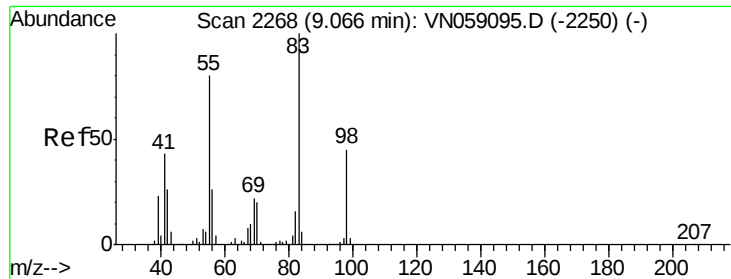
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#38
Carbon Tetrachloride
Concen: 50.101 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.6	113.4
121	30.1	24.6	36.8





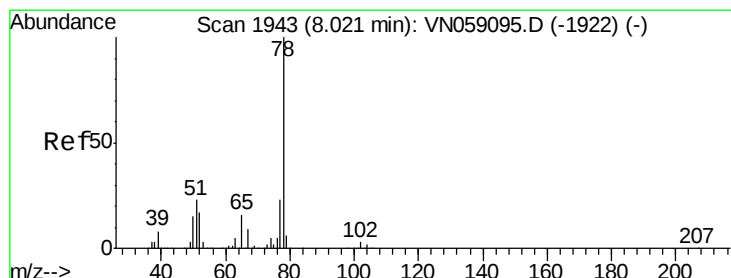
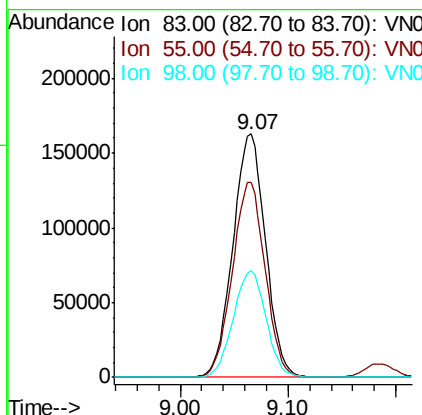
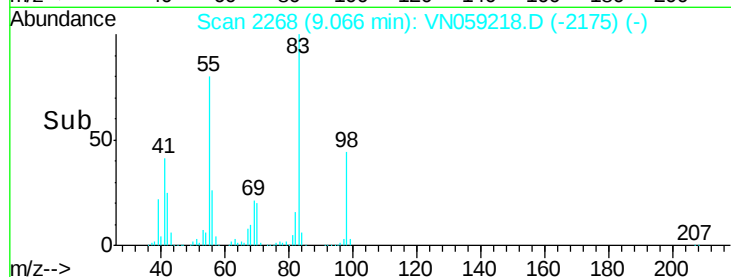
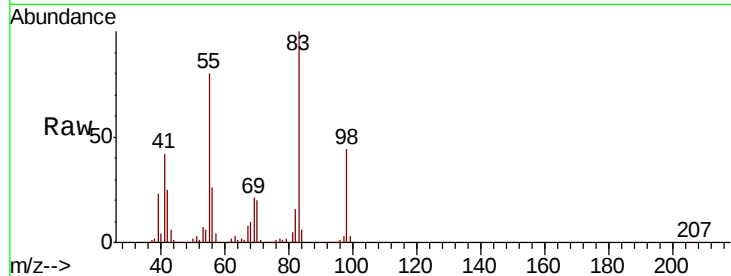
#39
Methvlcvclohexane
Concen: 49.626 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	63.9	95.9
98	43.6	35.6	53.4

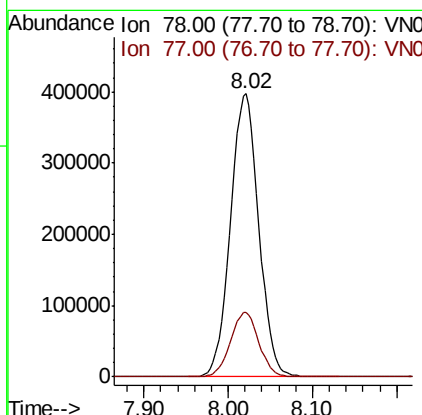
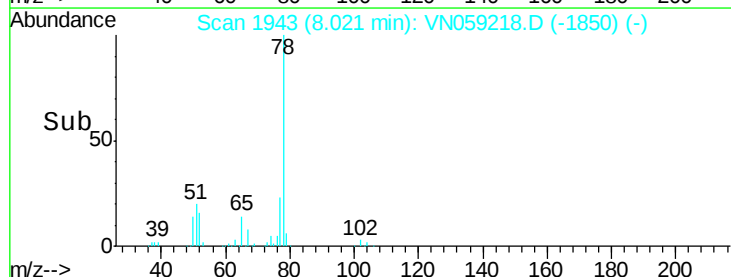
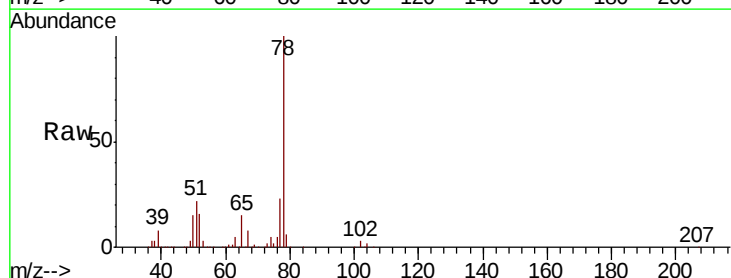
Manual Integrations
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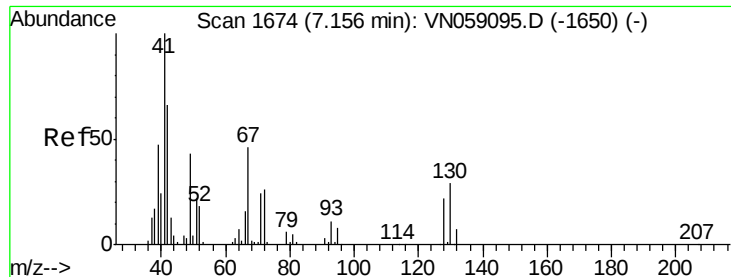
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#40
Benzene
Concen: 51.545 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2





#41

Methacrylonitrile

Concen: 49.541 ug/l m

RT: 7.15 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 142998

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

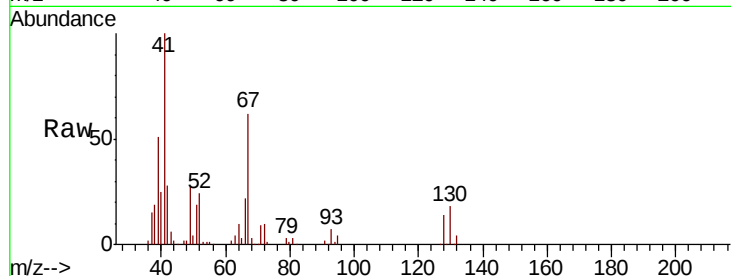
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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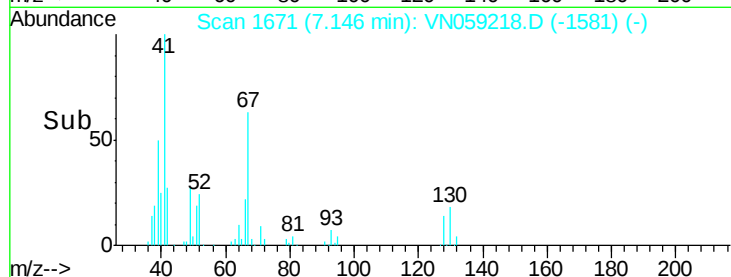
Abundance Ion 41.00 (40.70 to 41.70): VN059095.D (-1650) (-)

Ion 39.00 (38.70 to 39.70): VN059095.D (-1650) (-)

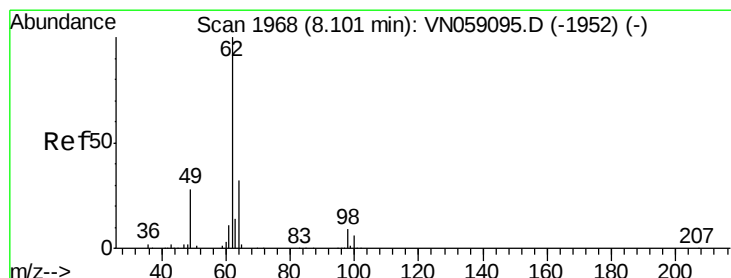
Ion 67.00 (66.70 to 67.70): VN059095.D (-1650) (-)

Ion 52.00 (51.70 to 52.70): VN059095.D (-1650) (-)

Time-->



Time-->



#42

1,2-Dichloroethane

Concen: 52.168 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VN059218.D

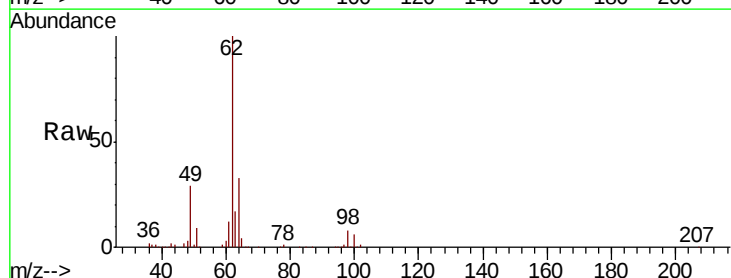
Acq: 14 Nov 2019 9:20

Tgt Ion: 62 Resp: 321490

Ion Ratio Lower Upper

62 100

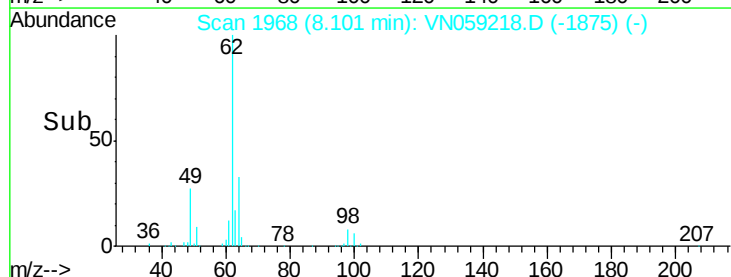
98 8.7 0.0 17.8



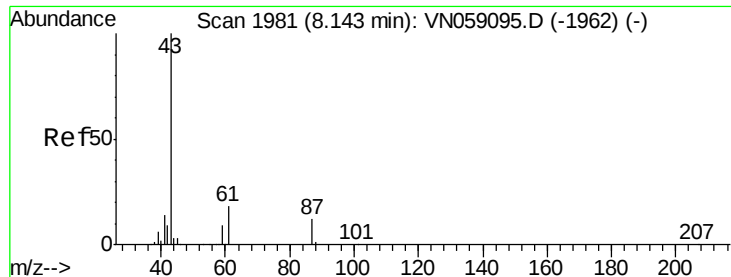
Abundance Ion 61.90 (61.60 to 62.60): VN059095.D (-1952) (-)

Ion 97.90 (97.60 to 98.60): VN059095.D (-1952) (-)

Time-->



Time-->



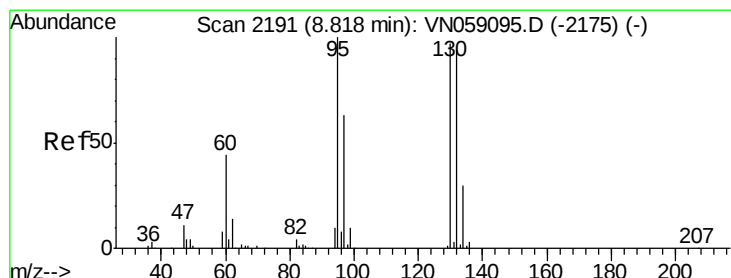
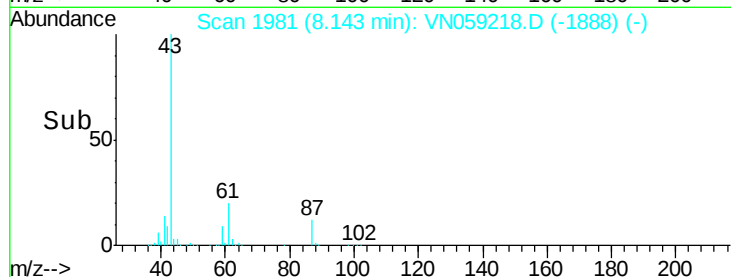
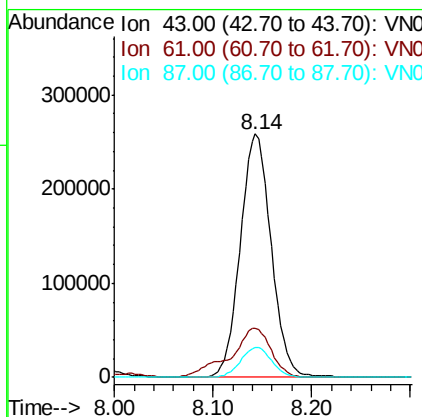
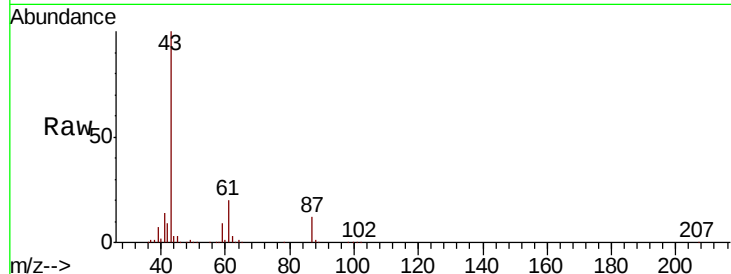
#43
Isopropyl Acetate
Concen: 52.682 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.0	31.6
87	12.6	9.8	14.6

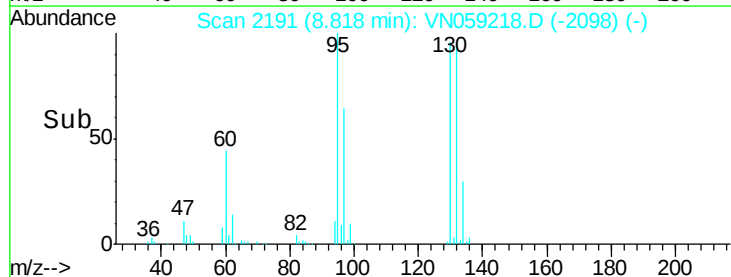
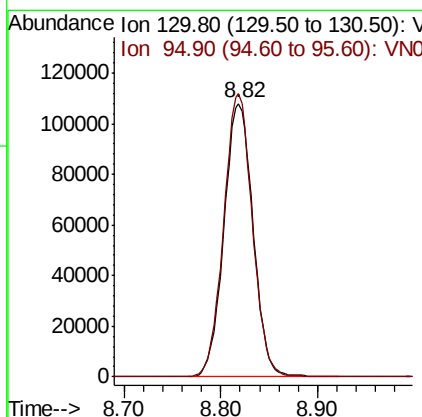
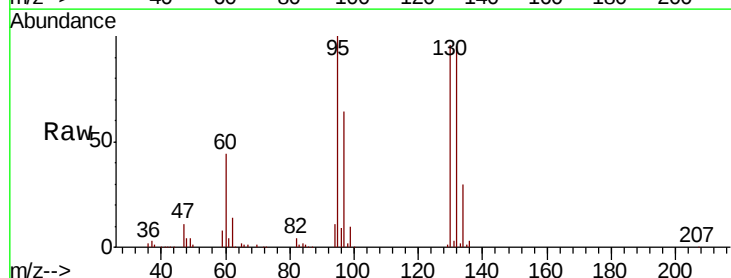
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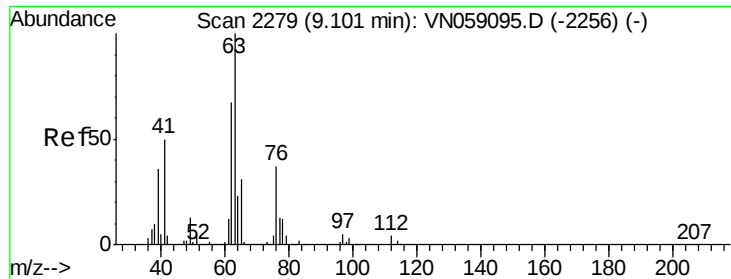
MMDadoda
11/15/2019 10:21:41 AM



#44
Trichloroethene
Concen: 51.019 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	206.4





#45

1,2-Dichloropropane

Concen: 52.305 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 255274

Ion Ratio Lower Upper

63 100

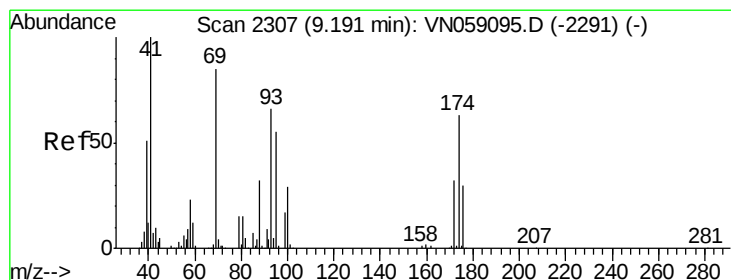
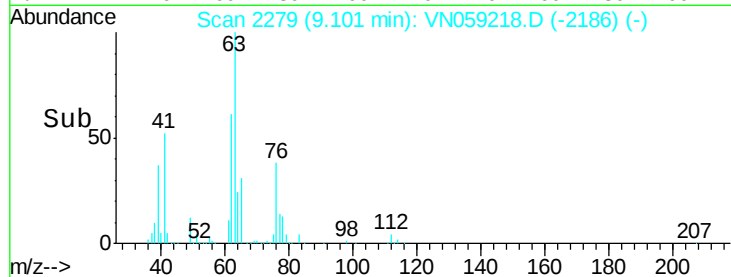
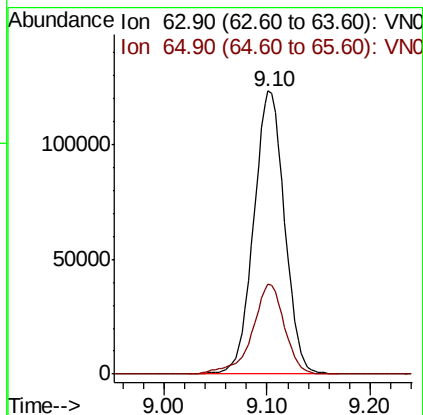
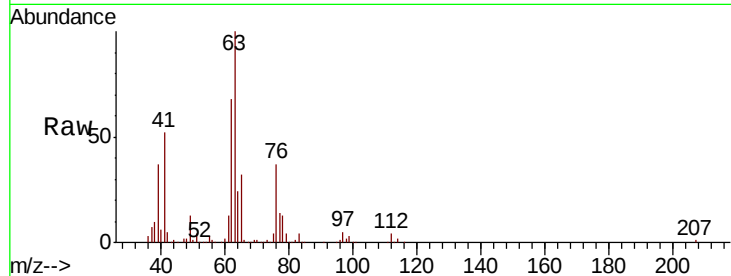
65 31.6 24.6 37.0

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#46

Dibromomethane

Concen: 52.401 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

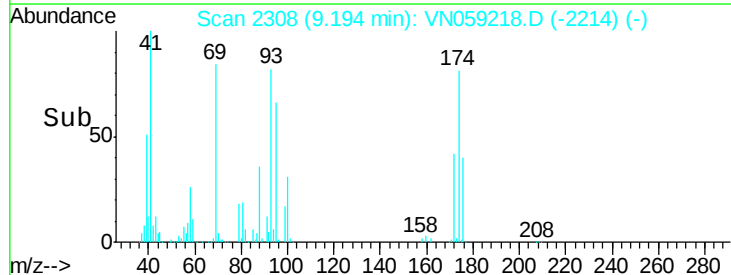
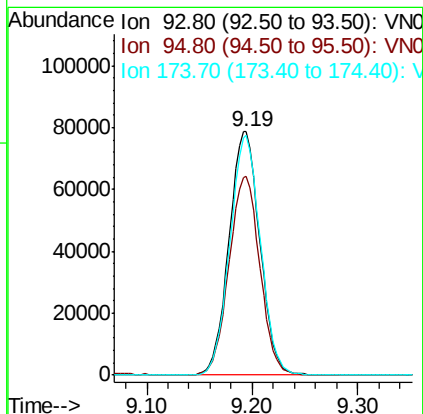
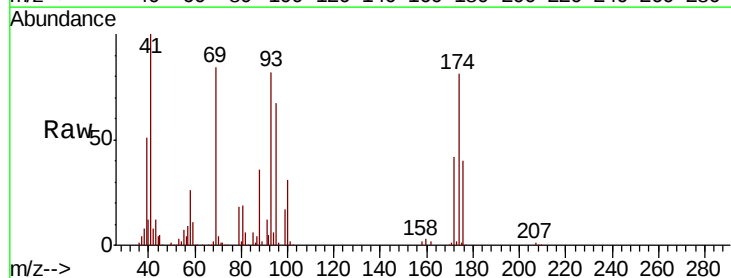
Tgt Ion: 93 Resp: 159366

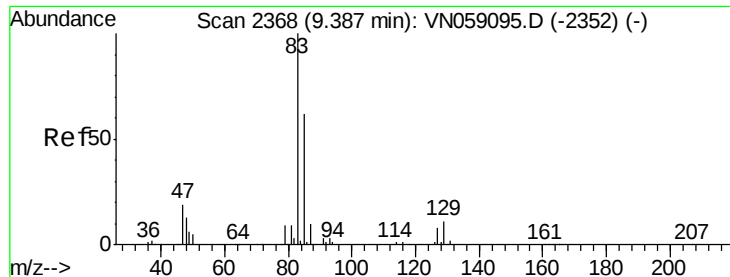
Ion Ratio Lower Upper

93 100

95 81.6 66.6 100.0

174 97.4 78.2 117.2





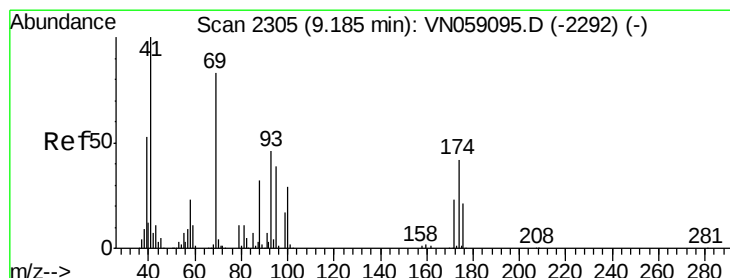
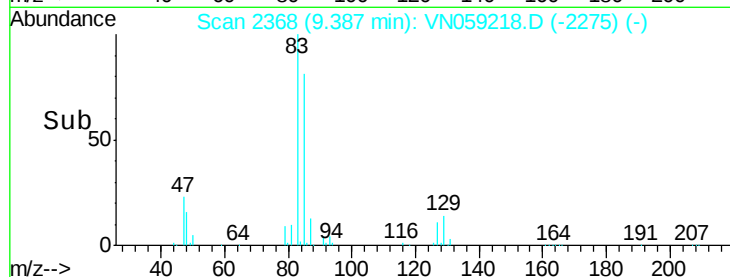
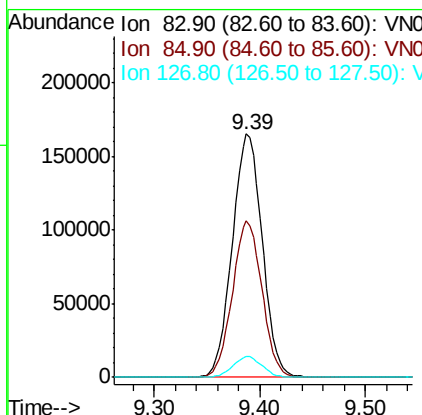
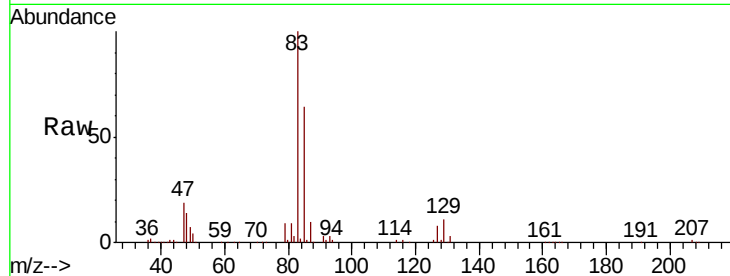
#47
Bromodichloromethane
Concen: 53.619 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.7	74.5
127	8.5	6.4	9.6

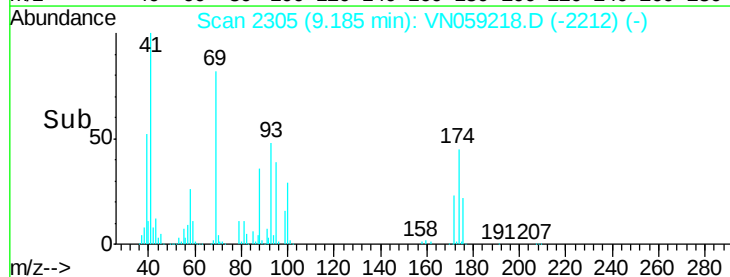
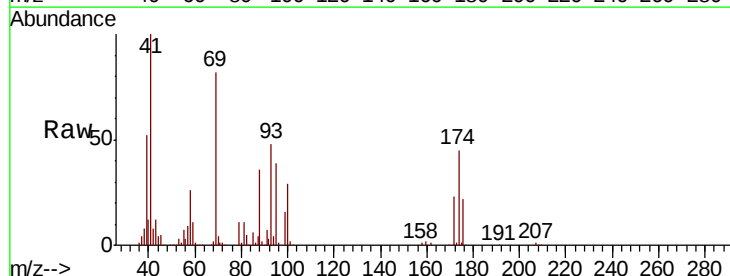
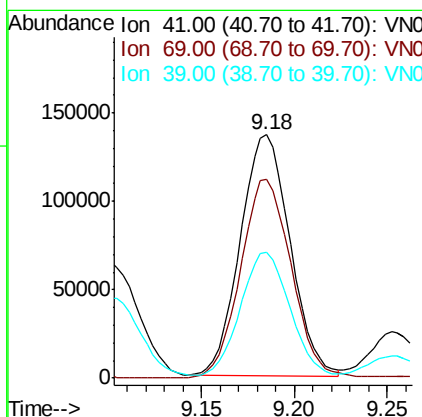
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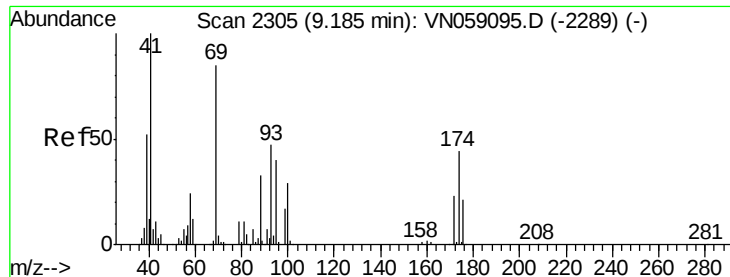
MMDadoda
11/15/2019 10:21:41 AM



#48
Methyl methacrylate
Concen: 53.750 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.1	67.3	100.9
39	52.4	43.3	64.9





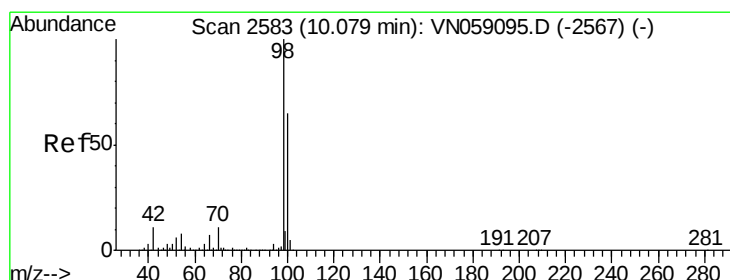
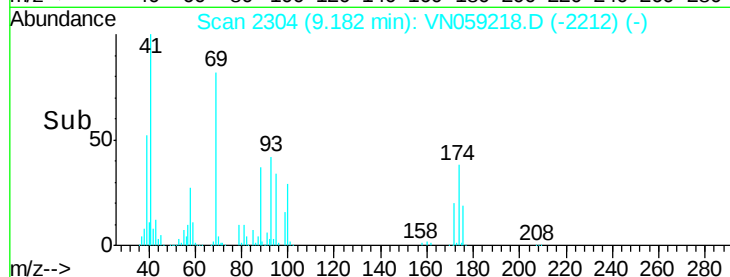
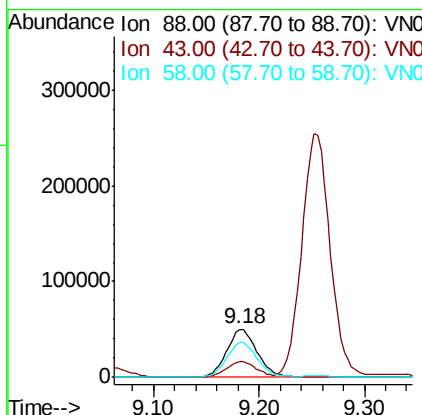
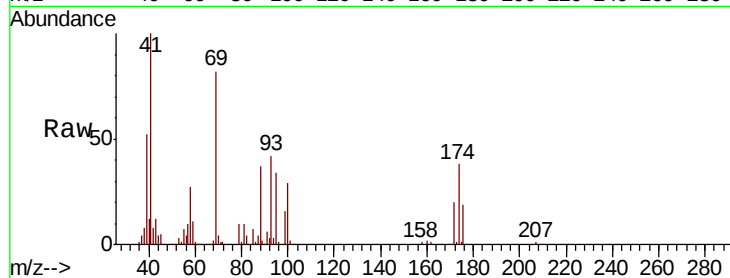
#49
1,4-Dioxane
Concen: 1205.349 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	26.3	39.5
58	73.1	60.6	90.8

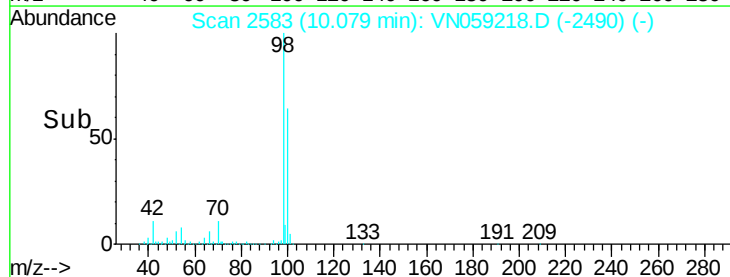
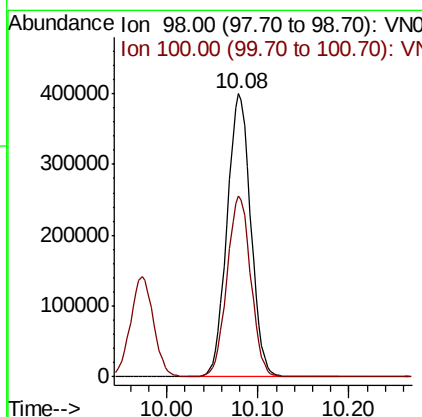
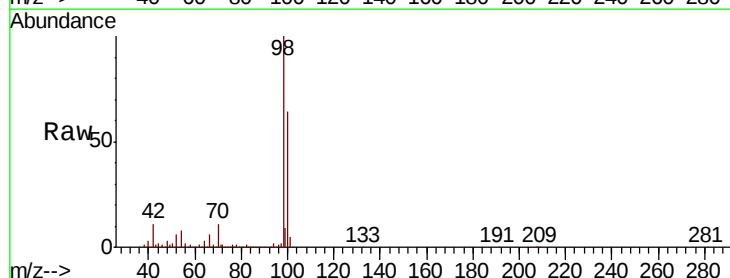
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#50
Toluene-d8
Concen: 48.163 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.2	78.2





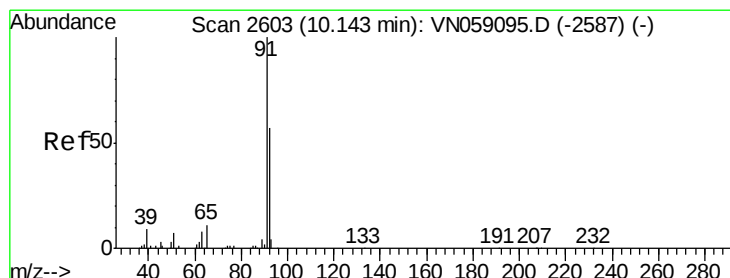
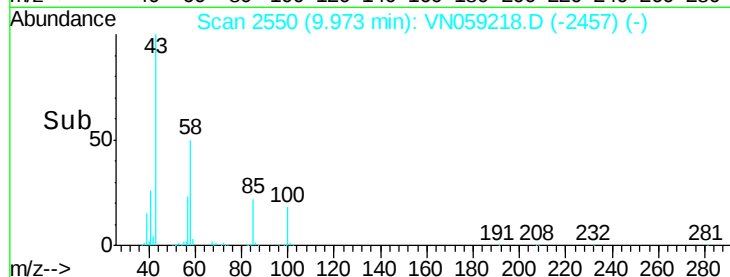
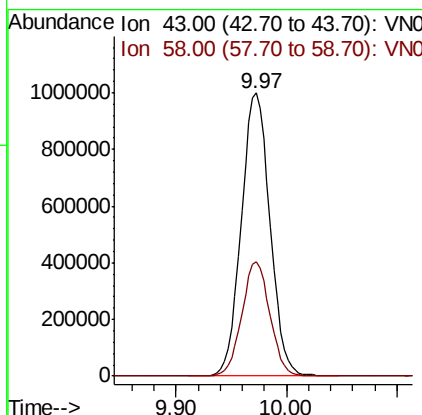
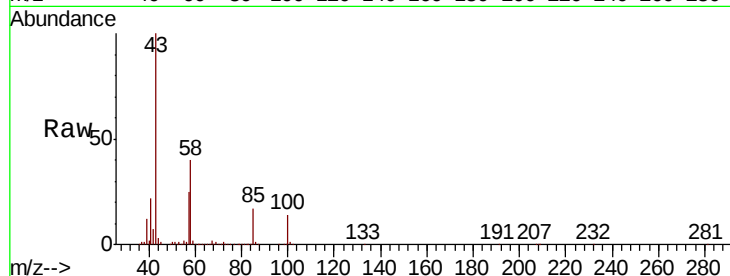
#51
4-Methyl-2-Pentanone
Concen: 300.171 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1797379
Ion Ratio Lower Upper
43 100
58 39.5 31.5 47.3

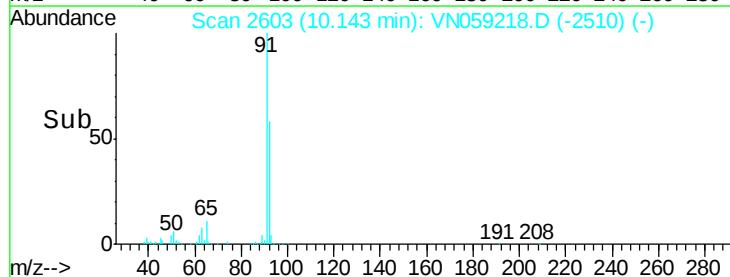
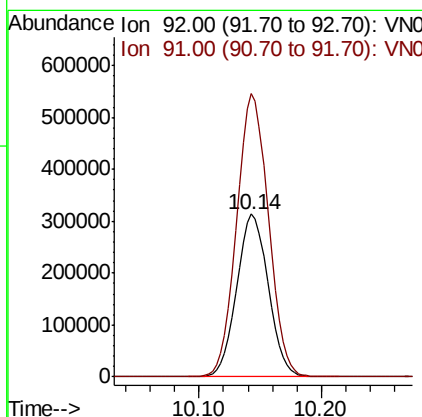
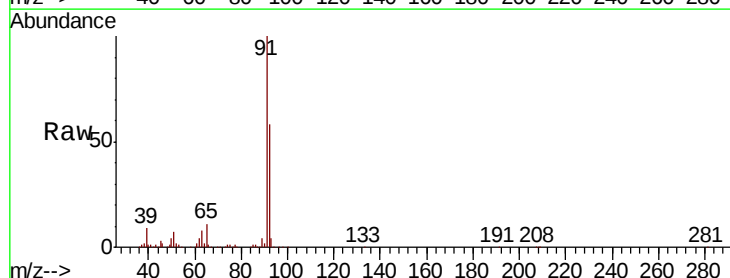
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#52
Toluene
Concen: 52.176 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion: 92 Resp: 561918
Ion Ratio Lower Upper
92 100
91 175.1 139.5 209.3





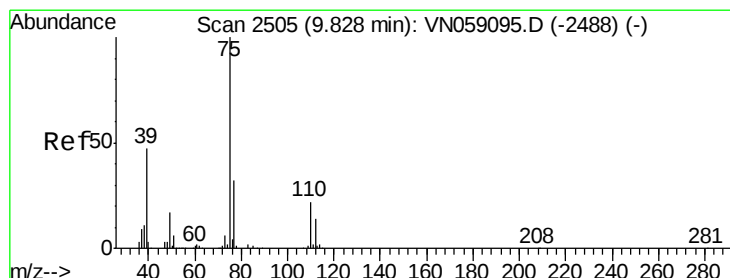
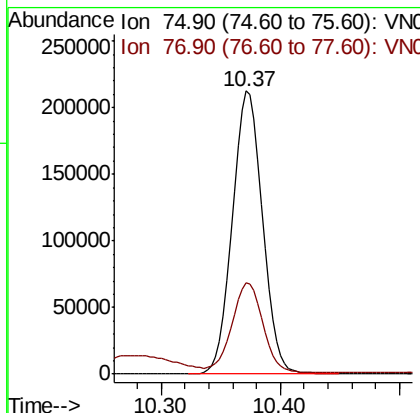
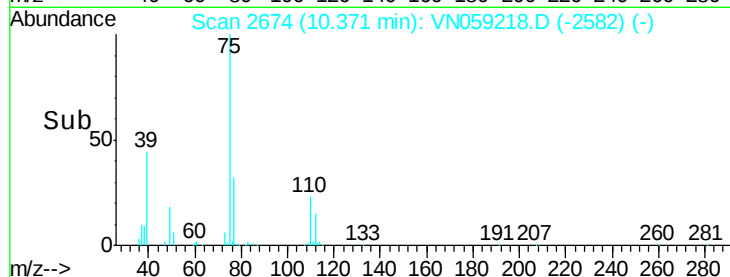
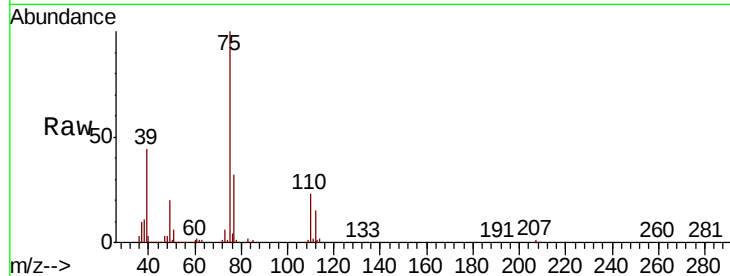
#53
t-1,3-Dichloropropene
Concen: 53.183 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 373140
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9

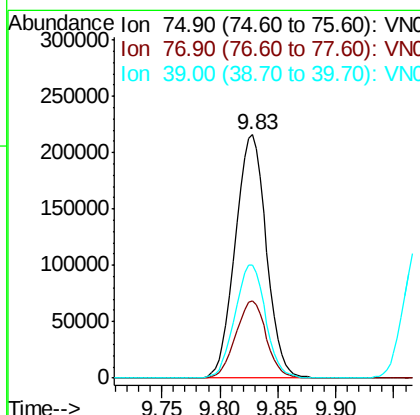
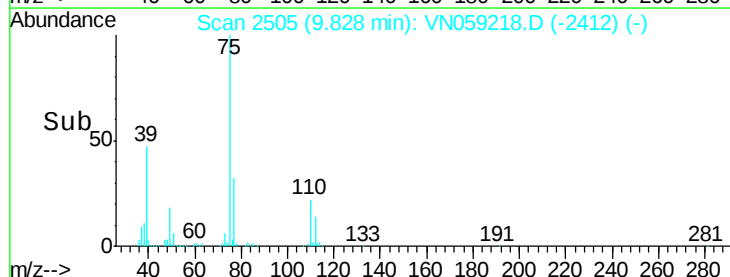
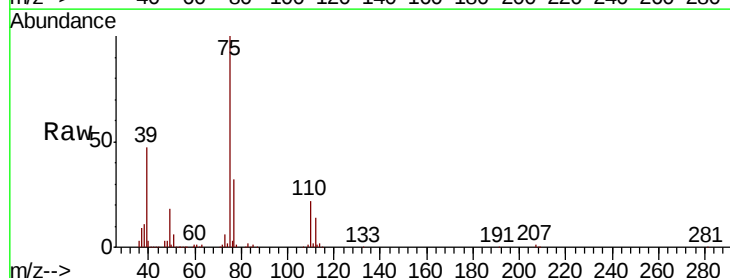
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#54
cis-1,3-Dichloropropene
Concen: 53.152 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion: 75 Resp: 401149
Ion Ratio Lower Upper
75 100
77 31.7 25.5 38.3
39 46.5 37.3 55.9





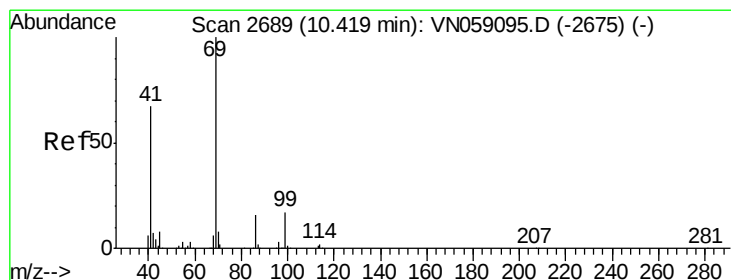
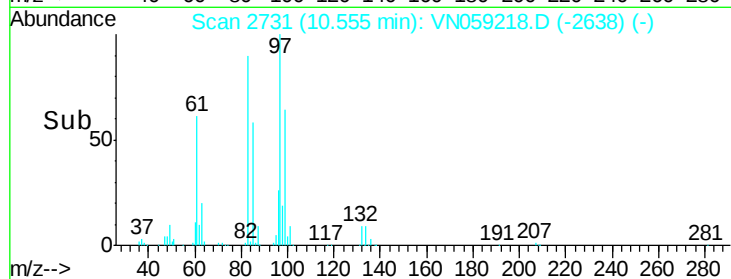
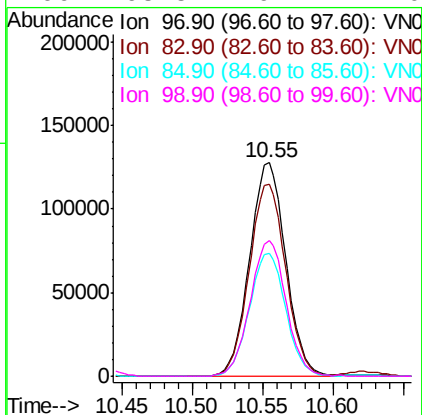
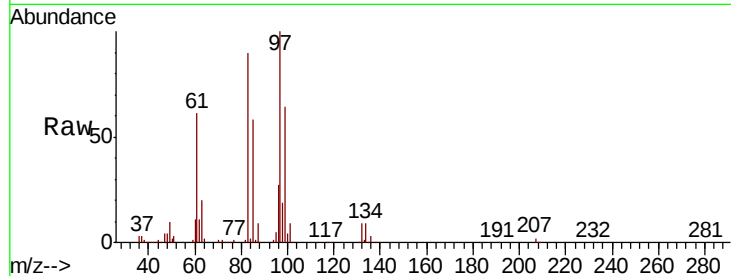
#55
 1,1,2-Trichloroethane
 Concen: 52.662 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	229532
Ion Ratio	Lower	Upper	
97	100		
83	90.1	71.0	106.4
85	57.5	45.8	68.8
99	63.5	49.4	74.0

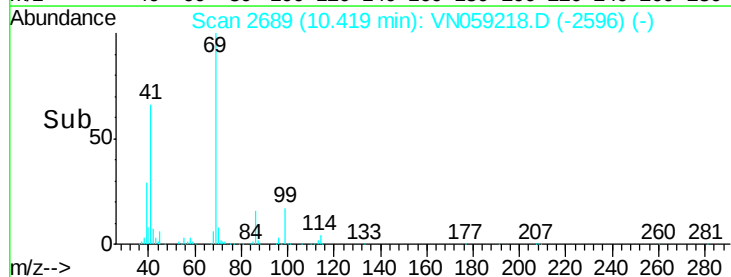
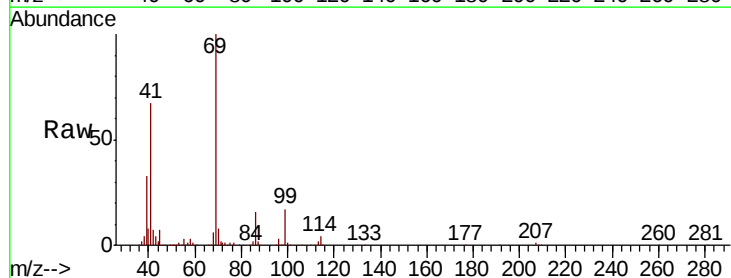
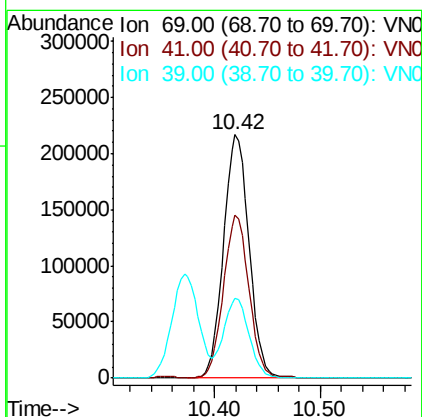
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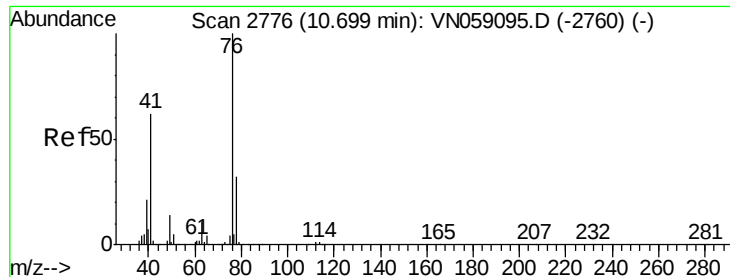
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 11/15/2019 10:21:41 AM



#56
 Ethyl methacrylate
 Concen: 49.995 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Tgt Ion:	69	Resp:	363439
Ion Ratio	Lower	Upper	
69	100		
41	66.0	53.6	80.4
39	32.3	26.2	39.4





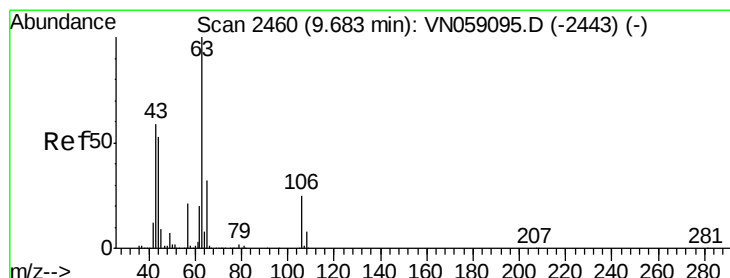
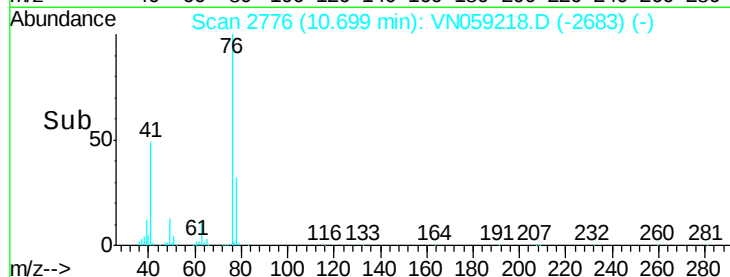
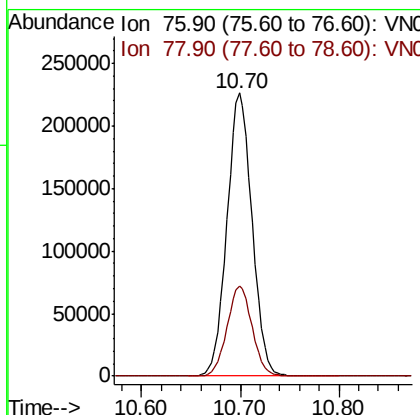
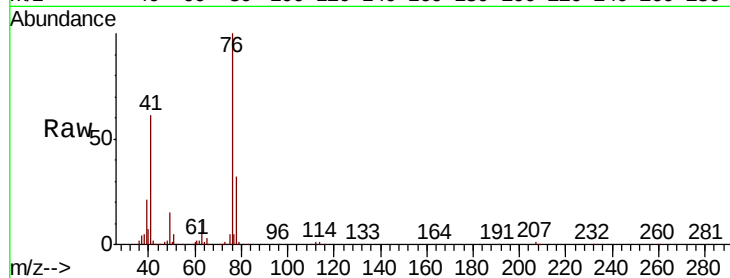
#57
 1,3-Dichloropropane
 Concen: 53.693 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

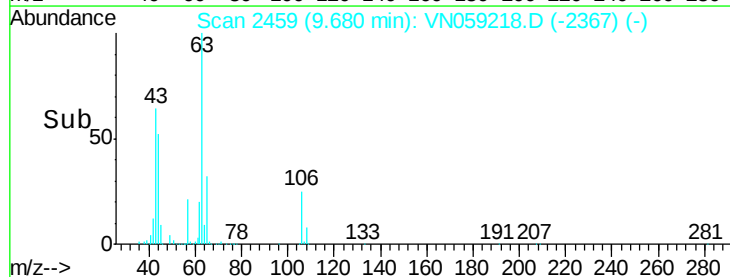
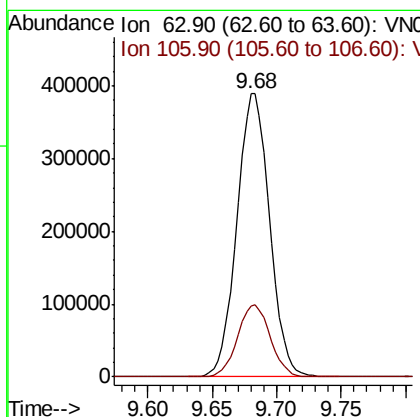
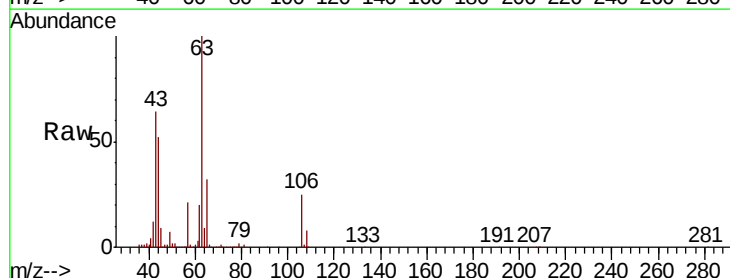
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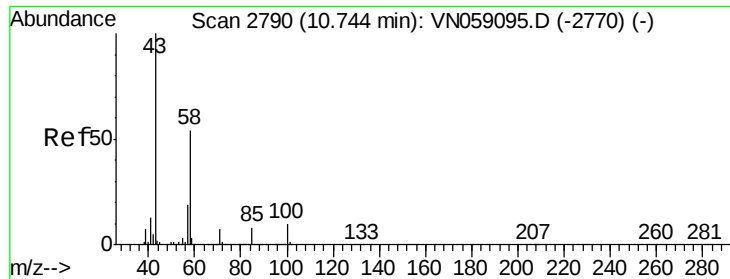
MMDadoda
 11/15/2019 10:21:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 283.544 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.4	20.2	30.2





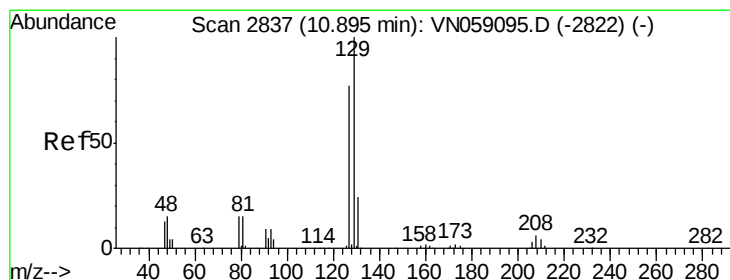
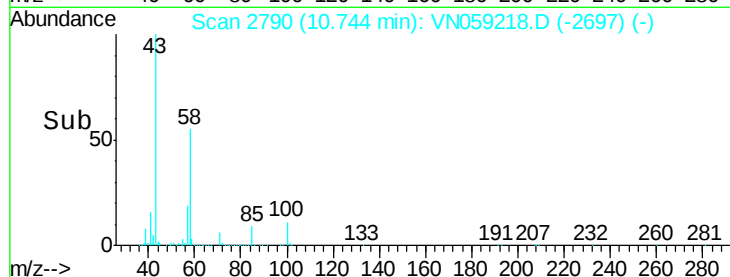
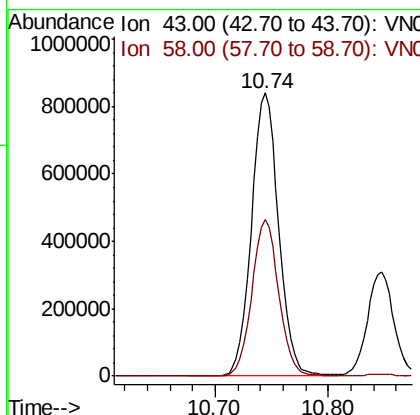
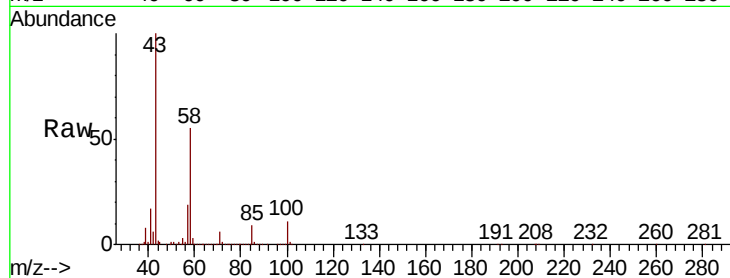
#59
2-Hexanone
Concen: 304.678 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1400284
Ion Ratio Lower Upper
43 100
58 54.9 27.3 81.8

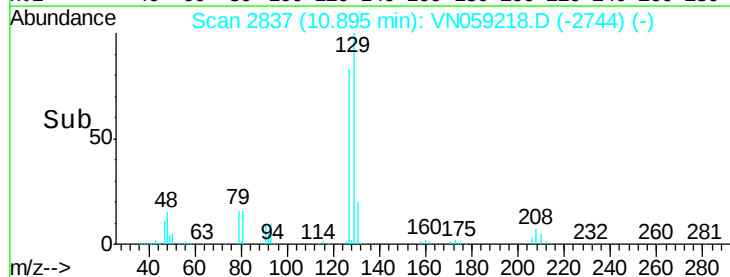
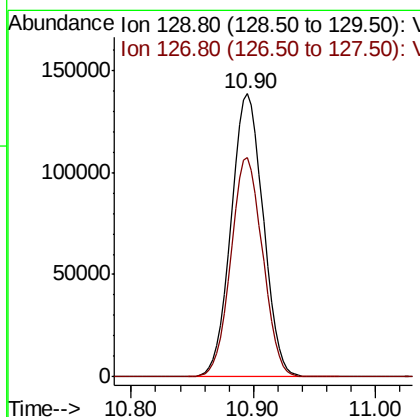
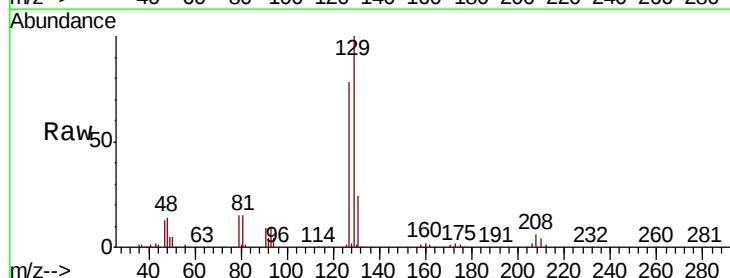
Manual Integrations
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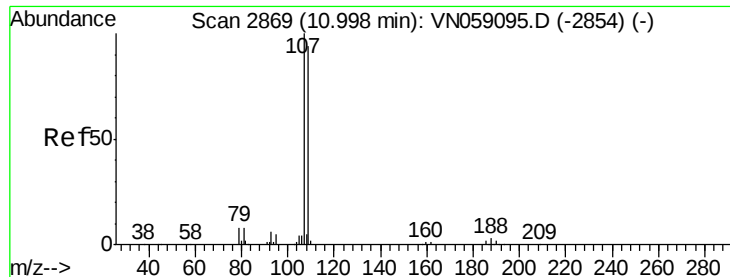
MMDadoda
11/15/2019 10:21:41 AM



#60
Dibromochloromethane
Concen: 55.046 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion: 129 Resp: 253667
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.8





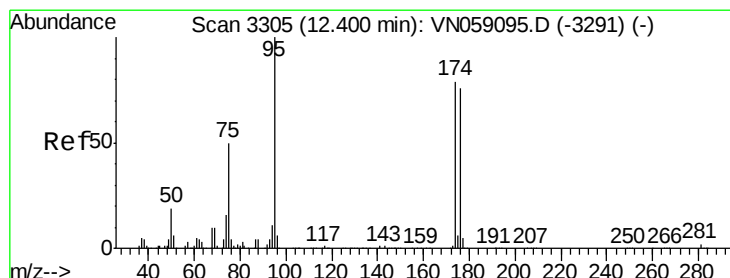
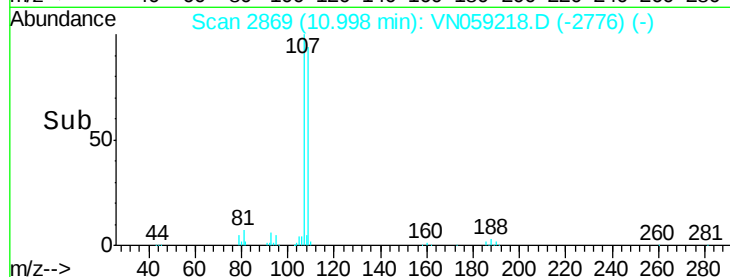
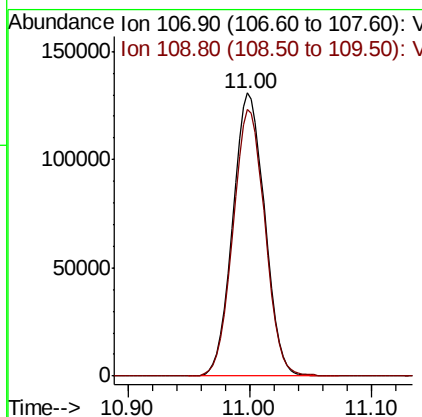
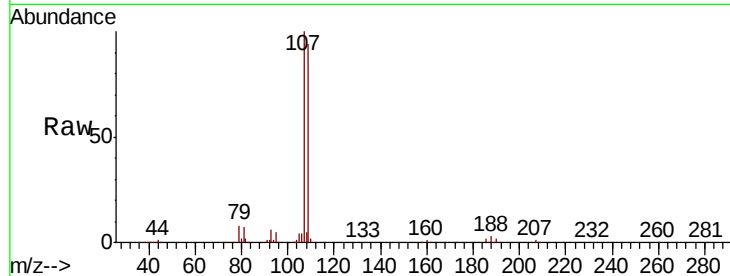
#61
 1,2-Dibromoethane
 Concen: 53.819 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.5	113.3

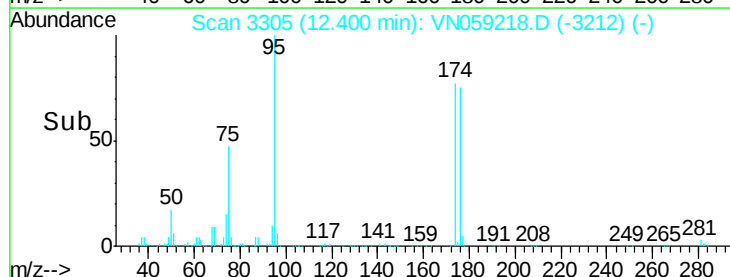
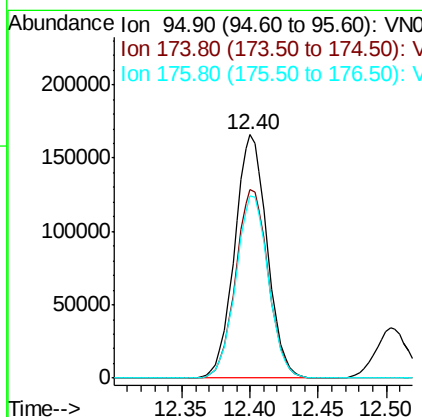
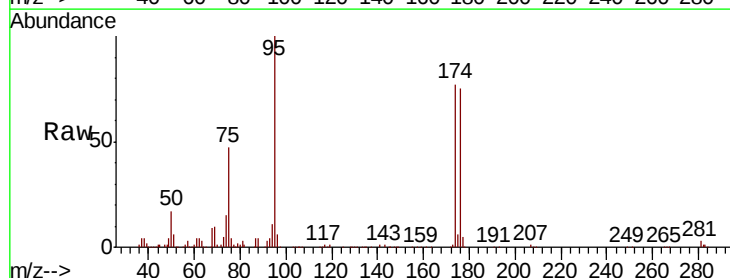
Manual Integrations
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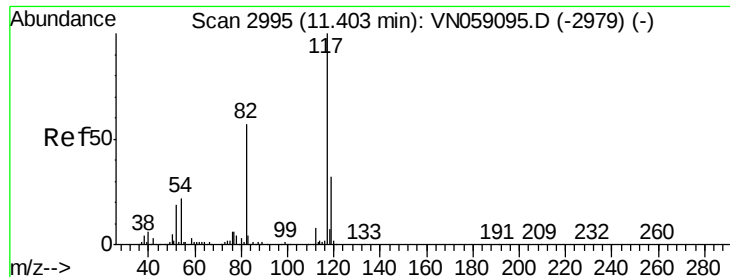
MMDadoda
 11/15/2019 10:21:41 AM



#62
 4-Bromofluorobenzene
 Concen: 50.586 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	158.2
176	75.5	0.0	151.8





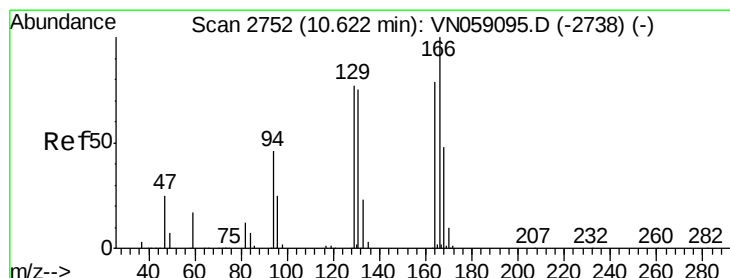
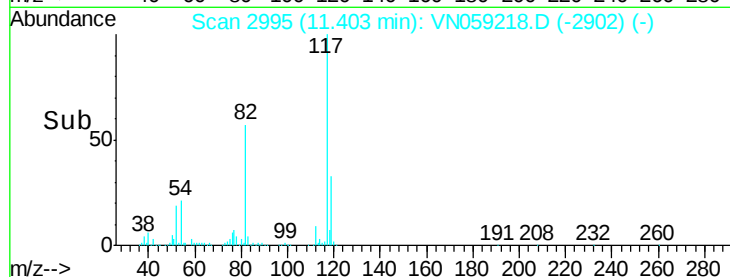
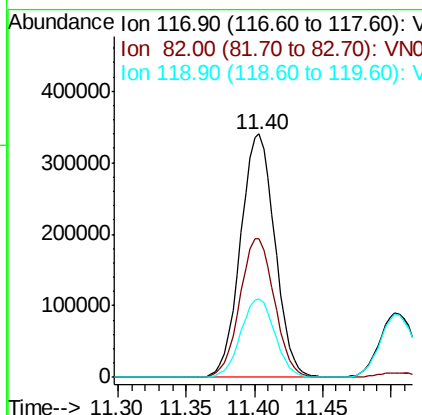
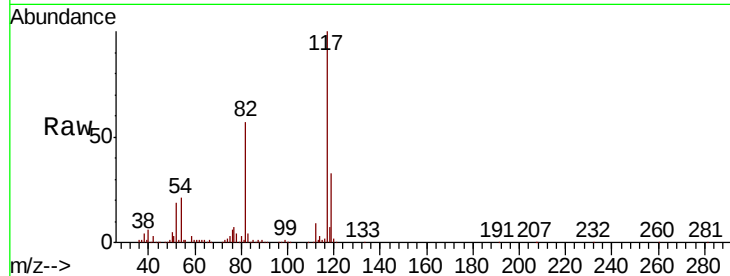
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.8	68.8
119	32.5	25.8	38.6

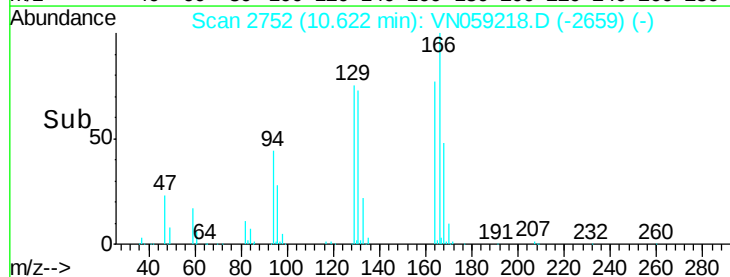
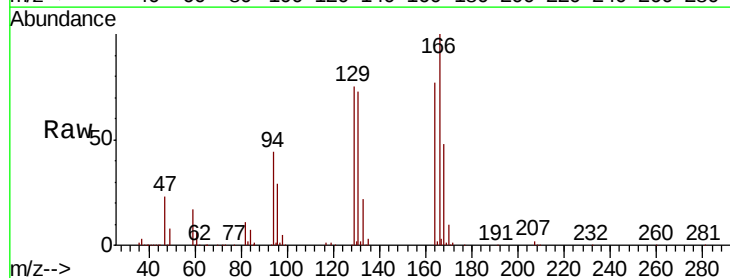
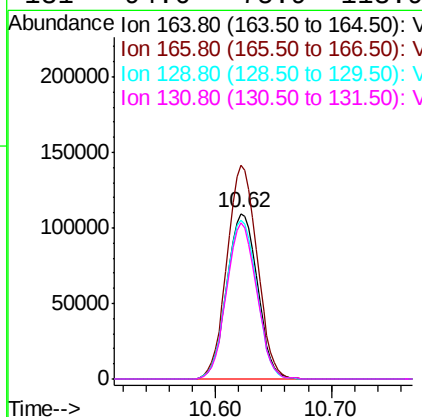
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#64
Tetrachloroethene
Concen: 49.443 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	101.5	152.3
129	96.5	78.3	117.5
131	94.6	75.9	113.9





#65

Chlorobenzene

Concen: 51.819 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 600933

Ion Ratio Lower Upper

112 100

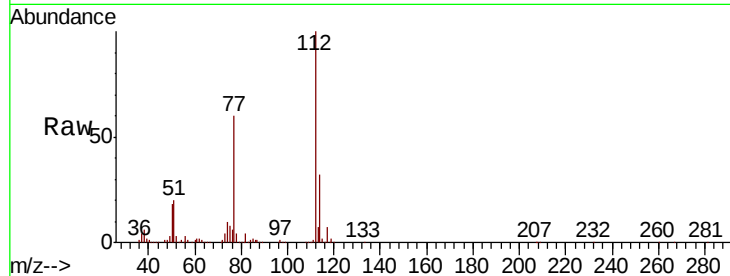
114 32.0 25.2 37.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

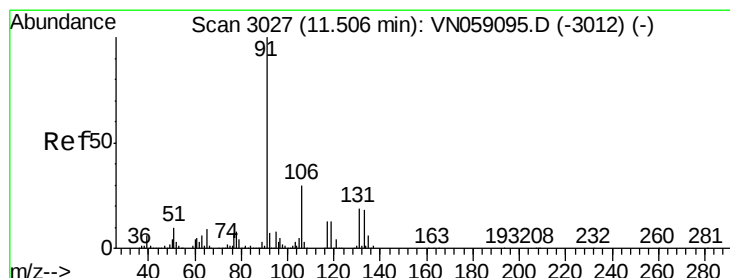
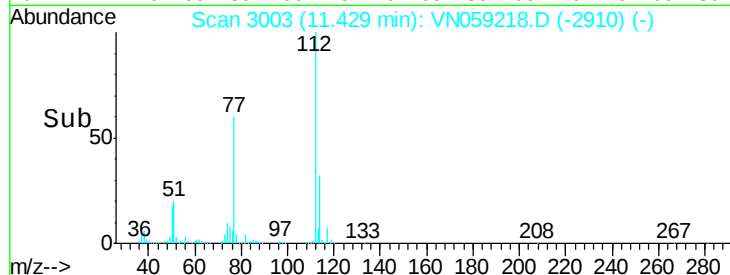
300000

200000

100000

0

Time--> 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 53.255 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

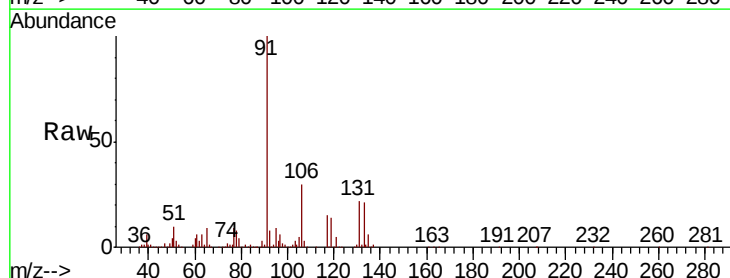
Tgt Ion:131 Resp: 231671

Ion Ratio Lower Upper

131 100

133 95.4 47.4 142.3

119 66.4 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.50

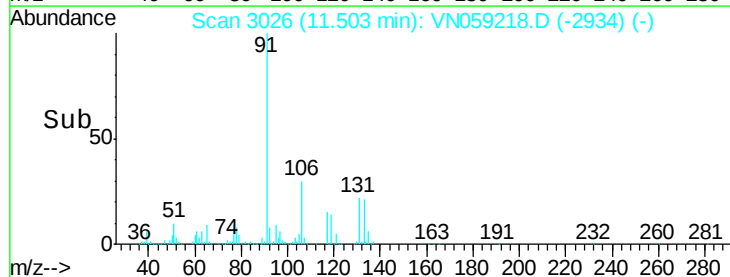
150000

100000

50000

0

Time--> 11.45 11.50 11.55 11.60





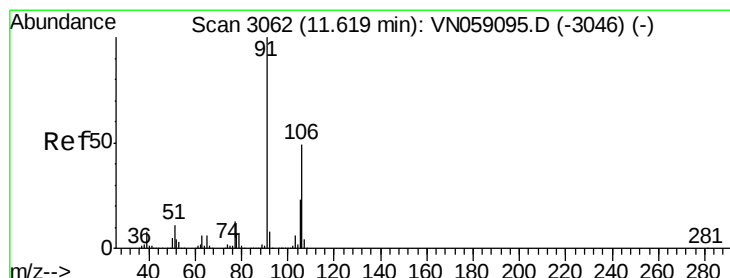
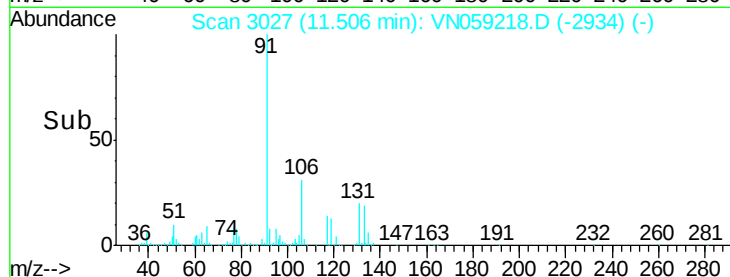
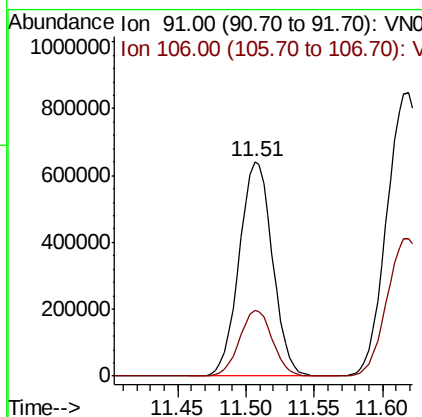
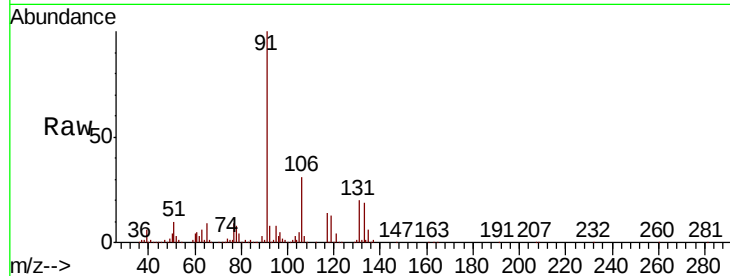
#67
Ethyl Benzene
Concen: 52.772 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1085796
Ion Ratio Lower Upper
91 100
106 30.6 24.1 36.1

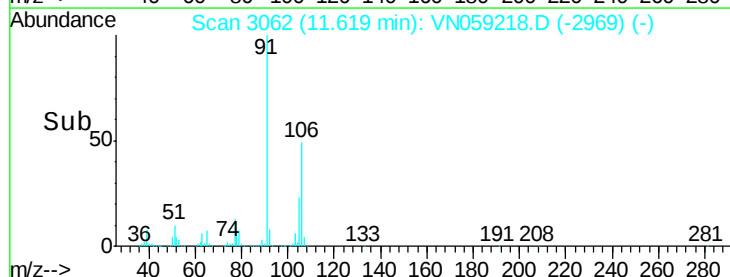
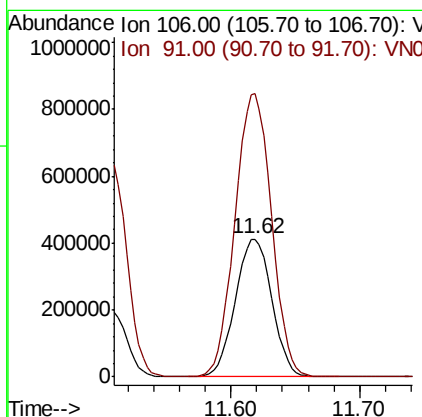
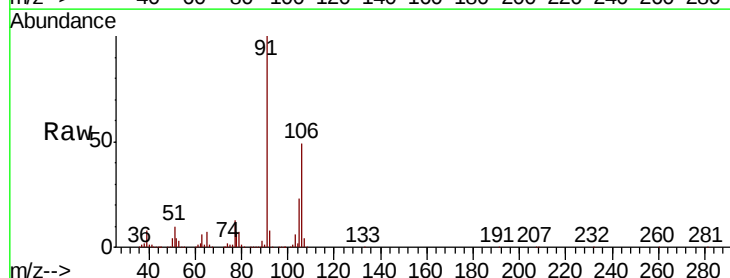
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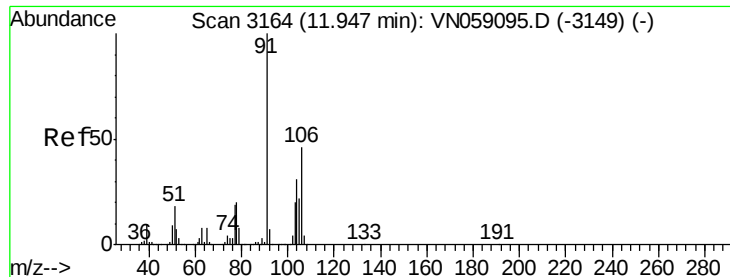
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#68
m/p-Xylenes
Concen: 105.040 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion: 106 Resp: 809576
Ion Ratio Lower Upper
106 100
91 206.2 164.7 247.1





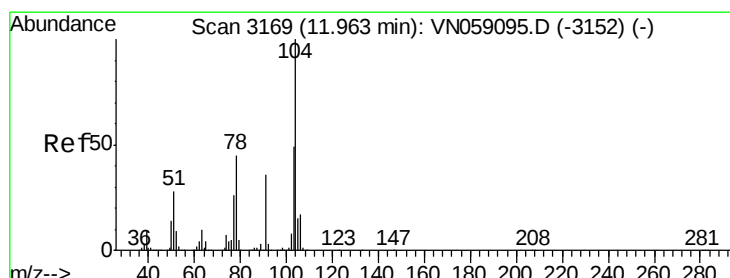
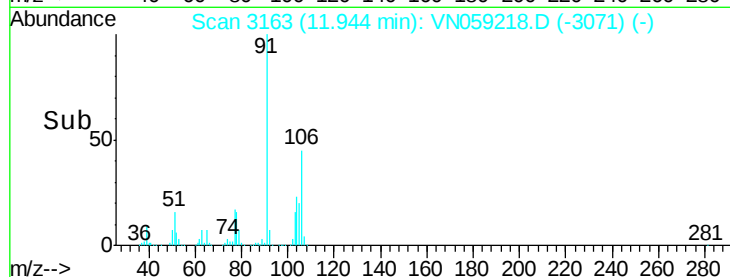
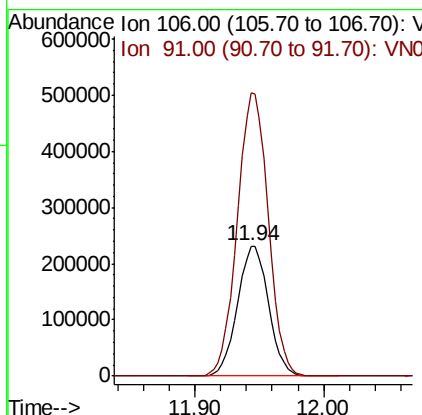
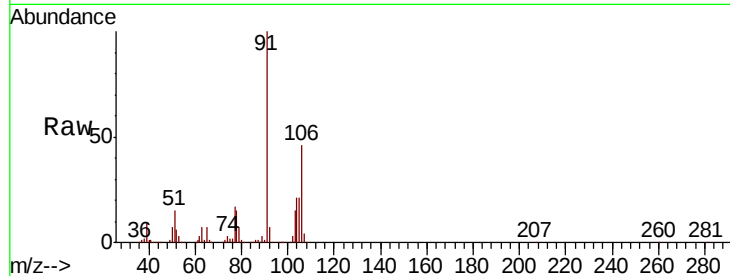
#69
o-Xylene
Concen: 52.008 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.5	110.1	330.3

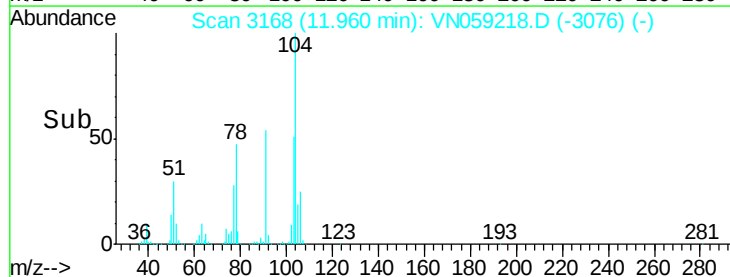
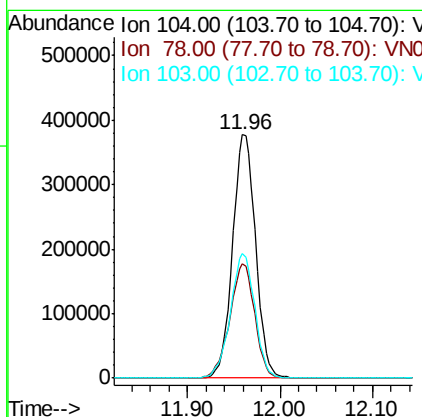
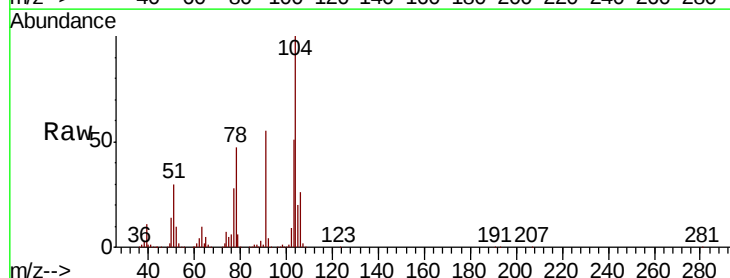
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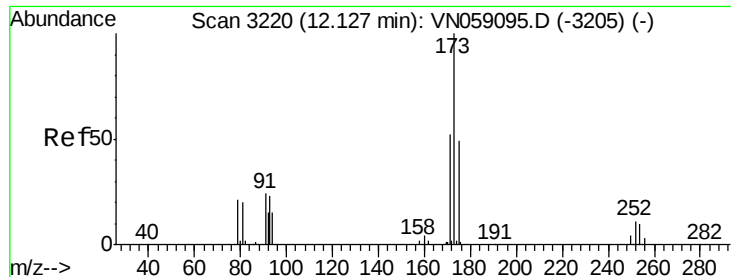
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#70
Styrene
Concen: 55.399 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.9	41.2	61.8
103	54.5	43.8	65.6





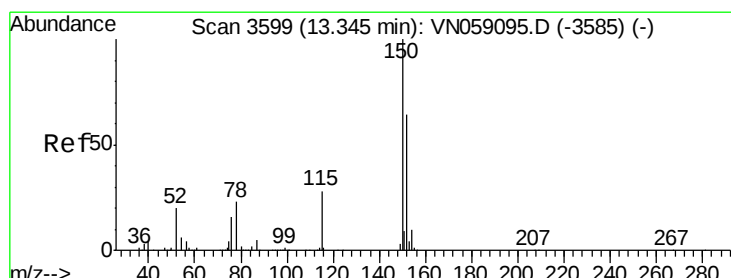
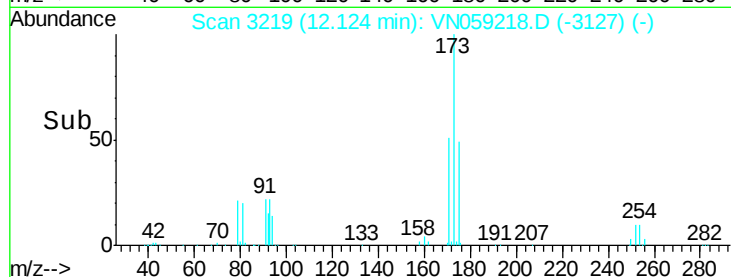
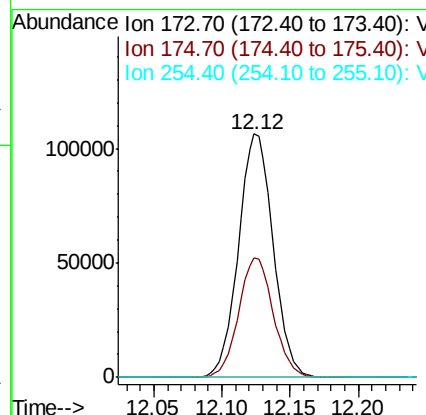
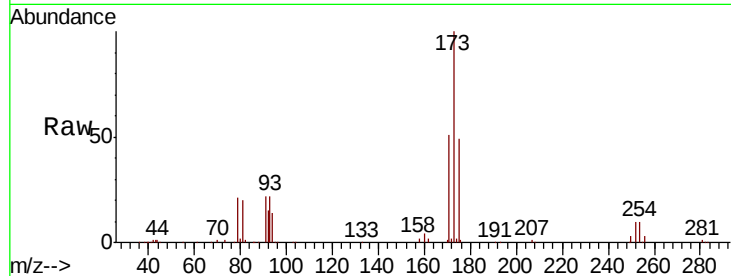
#71
Bromoform
Concen: 55.269 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.2	72.6
254	0.1	0.1	0.1#

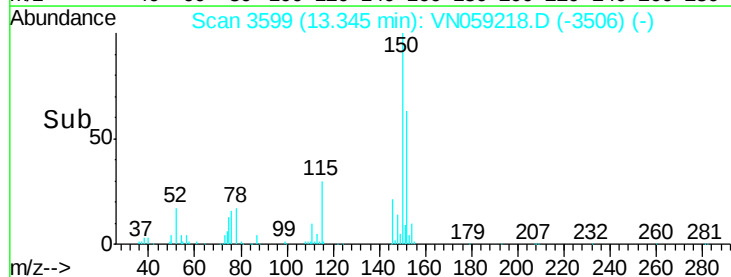
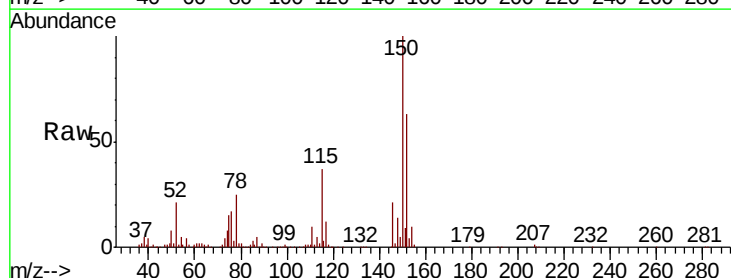
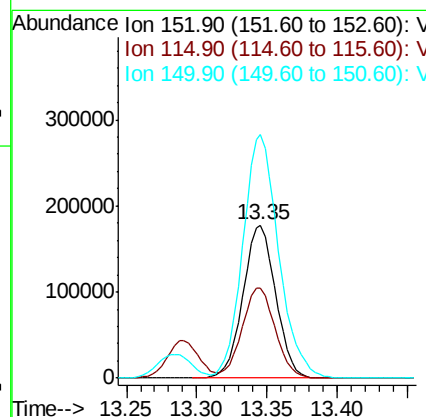
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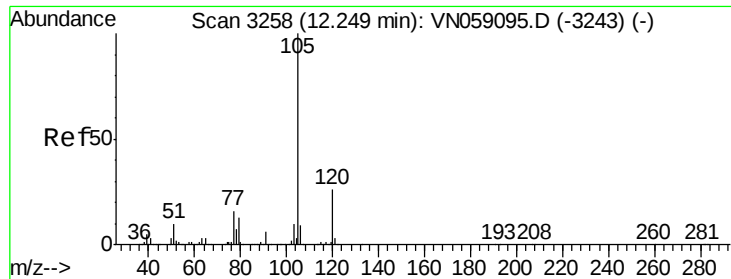
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.4	88.2
150	173.6	0.0	345.8





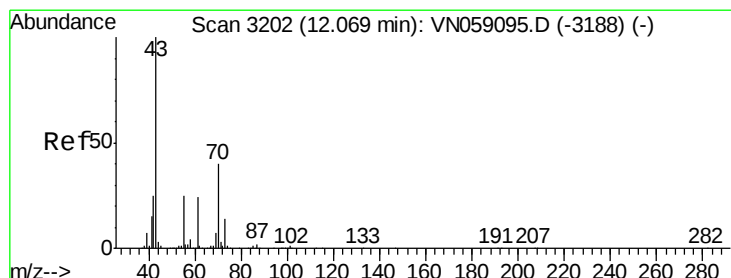
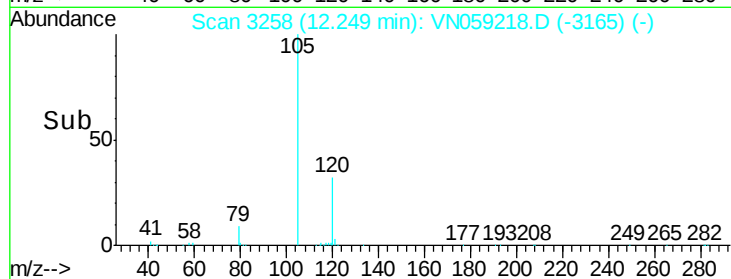
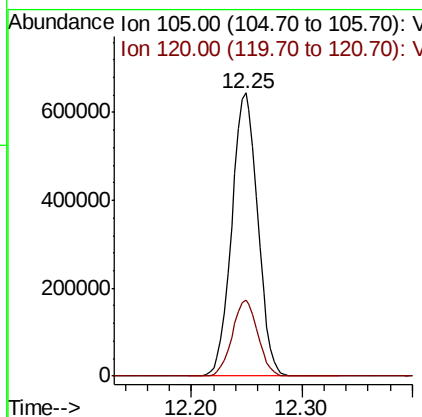
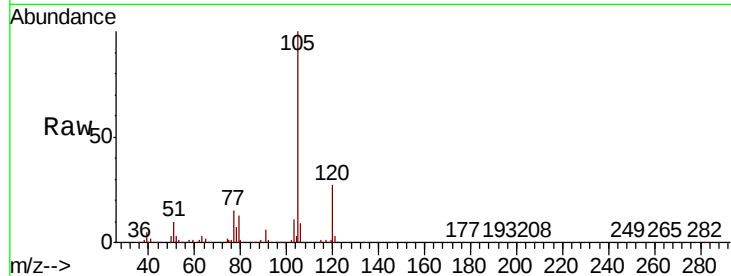
#73
Isopropylbenzene
Concen: 49.962 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1050580
Ion Ratio Lower Upper
105 100
120 26.5 13.1 39.3

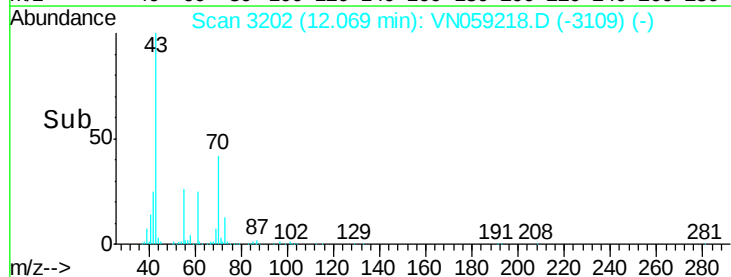
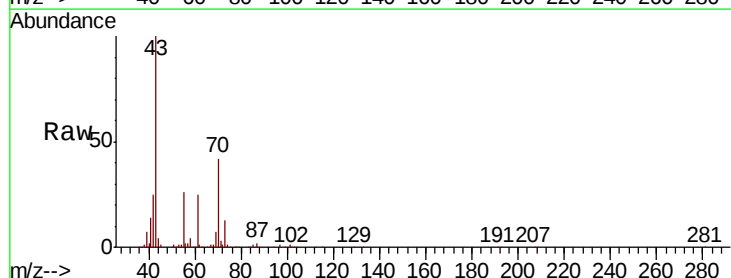
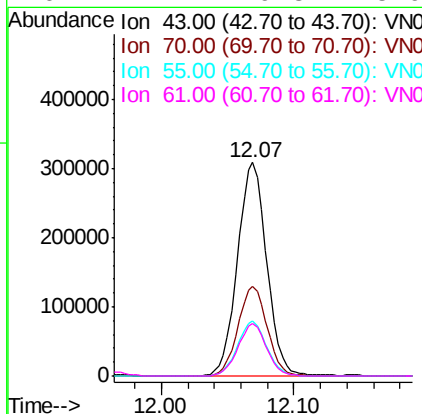
Manual Integrations
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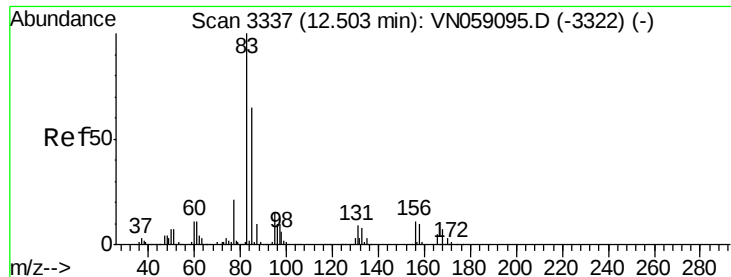
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#74
N-ethyl acetate
Concen: 52.970 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion: 43 Resp: 471968
Ion Ratio Lower Upper
43 100
70 41.9 32.2 48.4
55 25.8 20.4 30.6
61 24.2 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.276 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

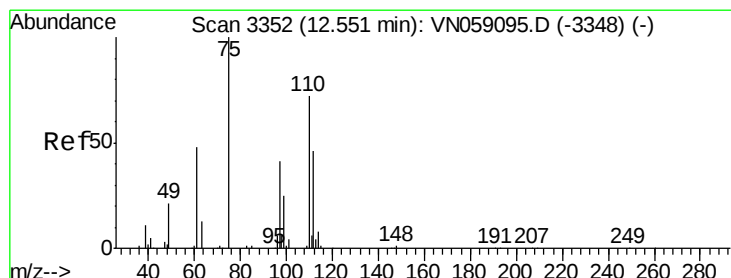
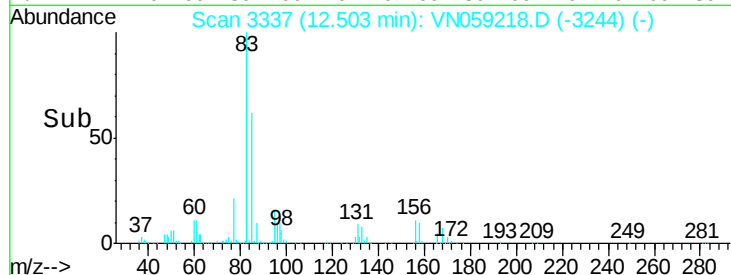
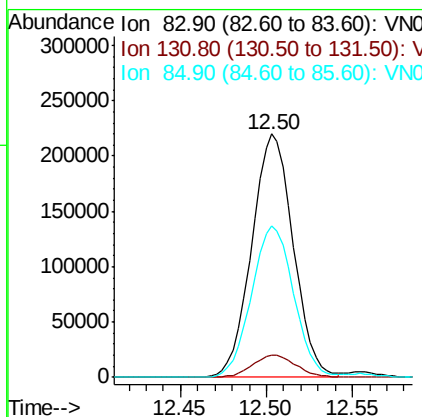
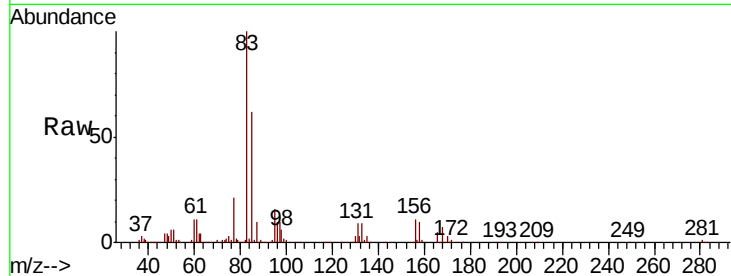
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	367175
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.6
85	63.5	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.543 ug/l m

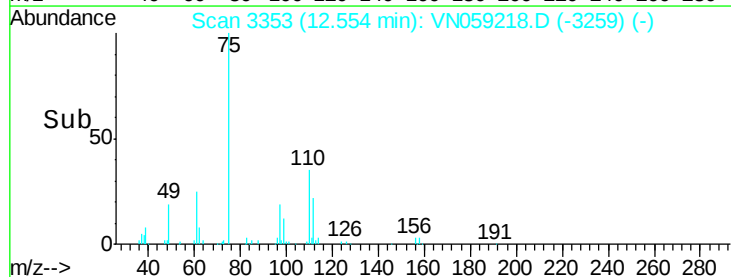
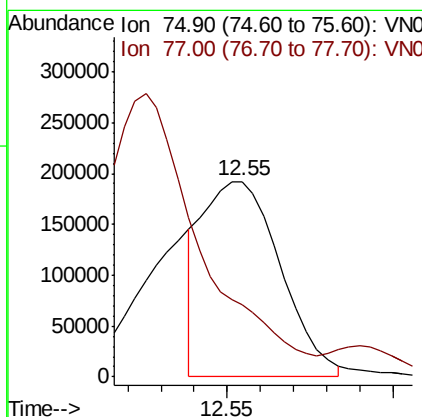
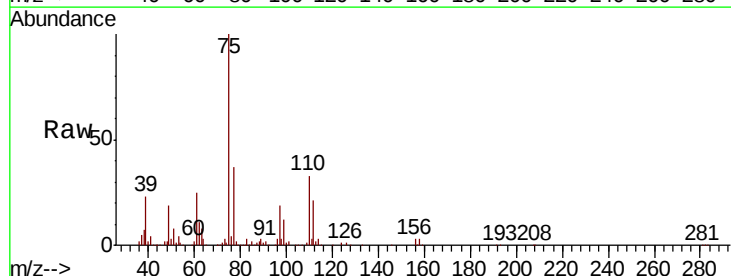
RT: 12.55 min Scan# 3353

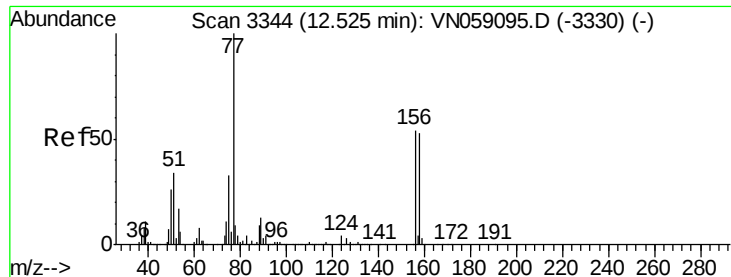
Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Tgt Ion:	75	Resp:	312893
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.585 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

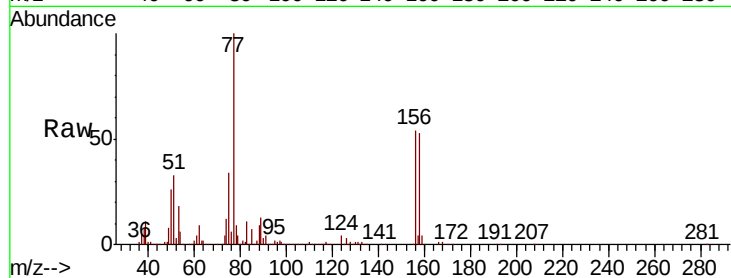
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	261957
Ion Ratio	Lower	Upper	
156	100		
77	221.8	112.8	338.3
158	96.6	48.4	145.3

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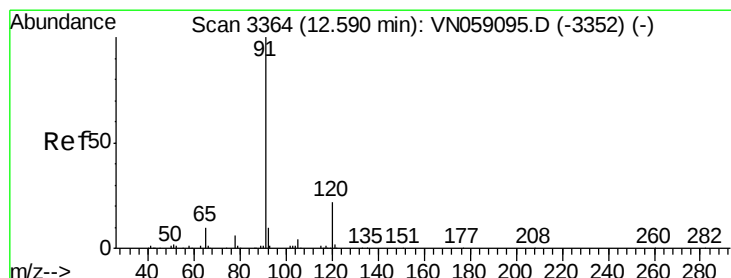
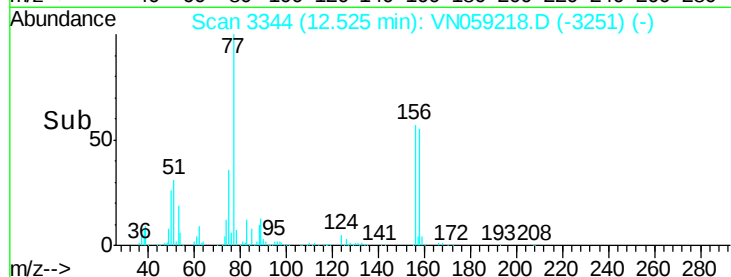
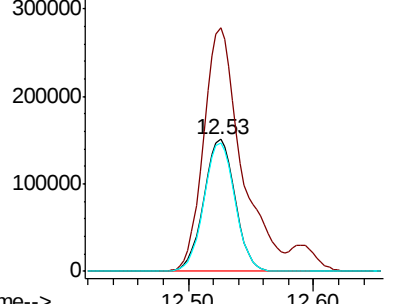
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.860 ug/l

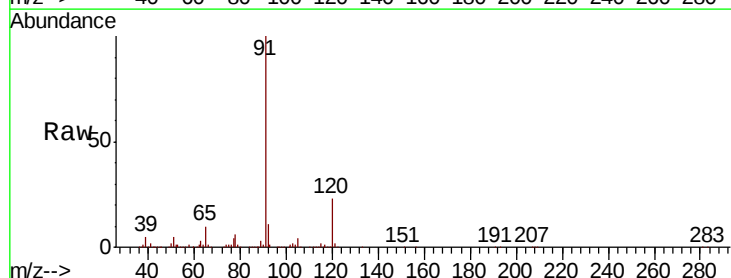
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059218.D

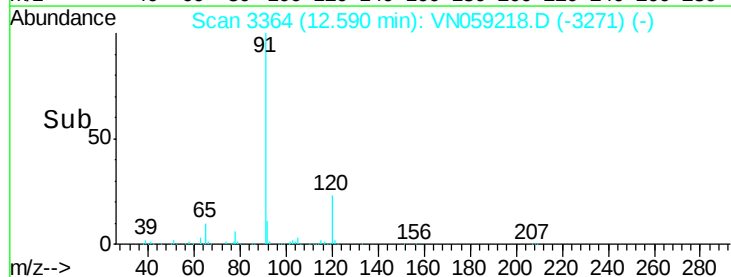
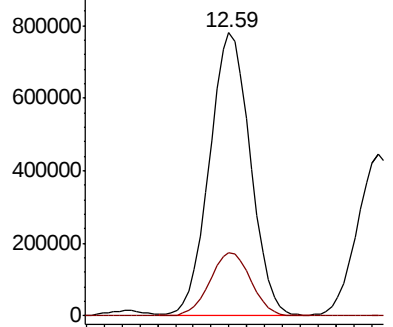
Acq: 14 Nov 2019 9:20

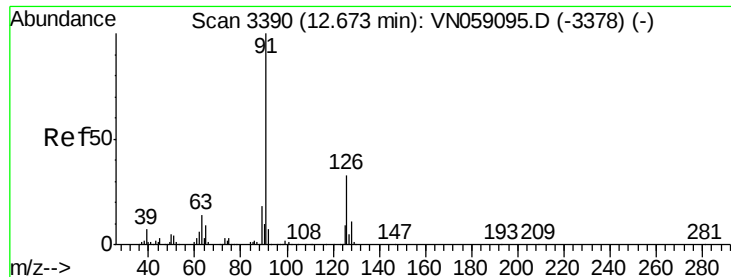
Tgt Ion:	91	Resp:	1248590
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.178 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 734508

Ion Ratio Lower Upper

91 100

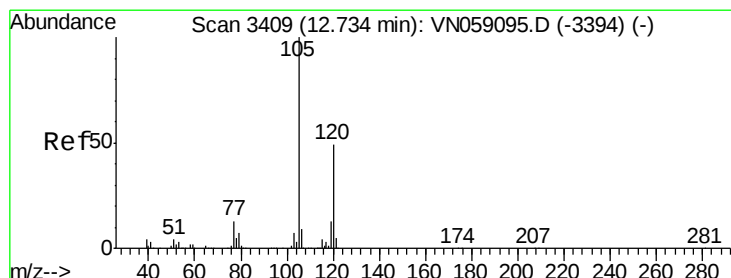
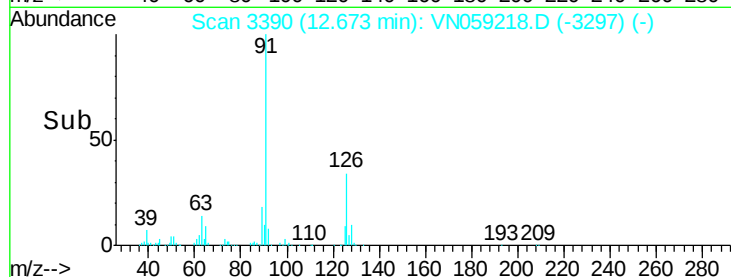
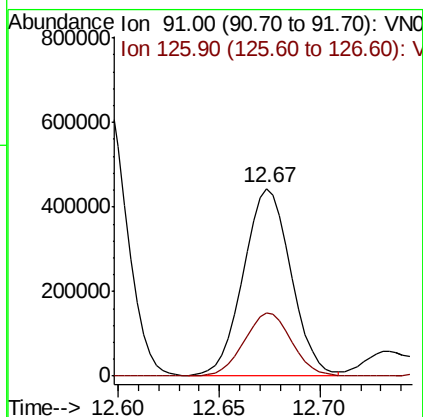
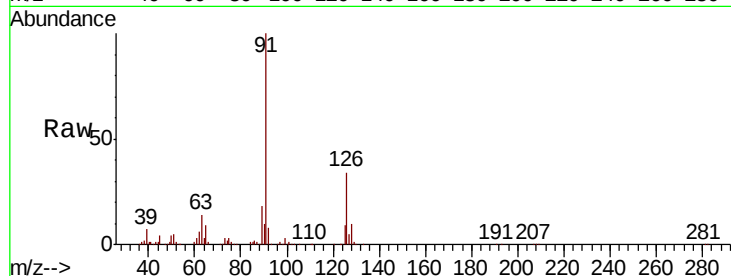
126 33.6 16.7 50.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.306 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059218.D

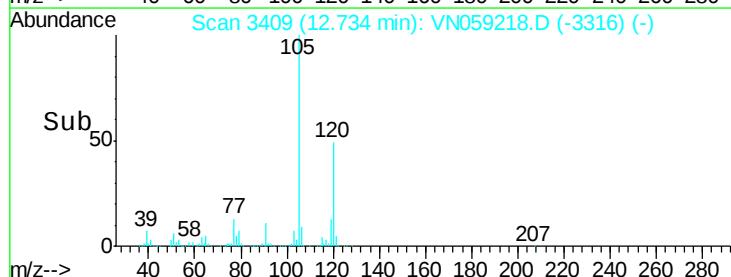
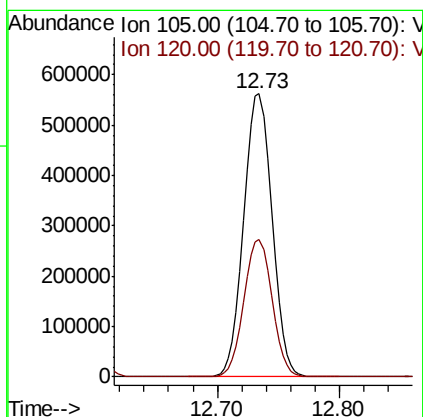
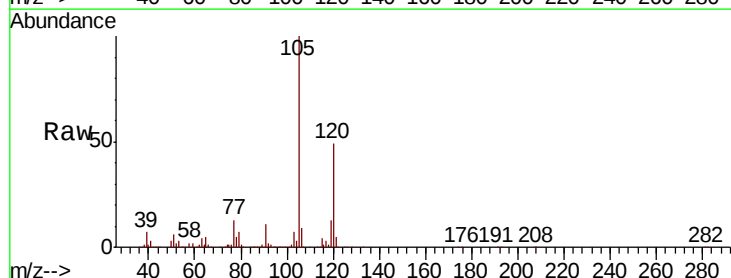
Acq: 14 Nov 2019 9:20

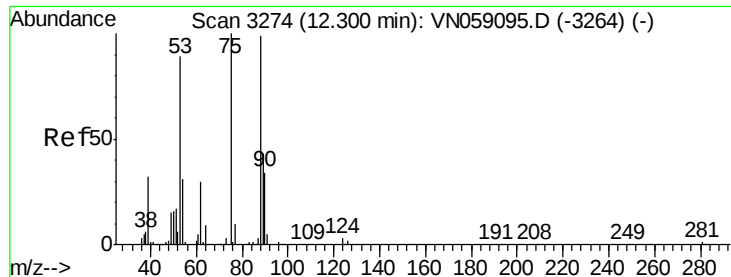
Tgt Ion: 105 Resp: 896333

Ion Ratio Lower Upper

105 100

120 48.4 24.0 72.0





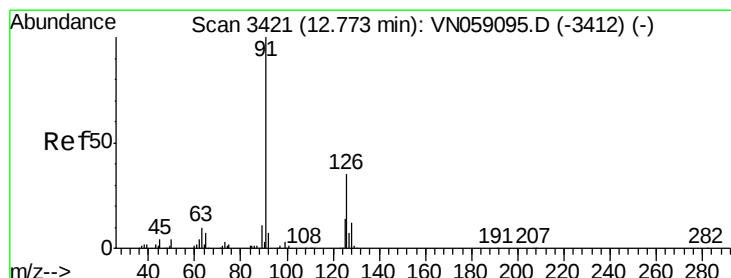
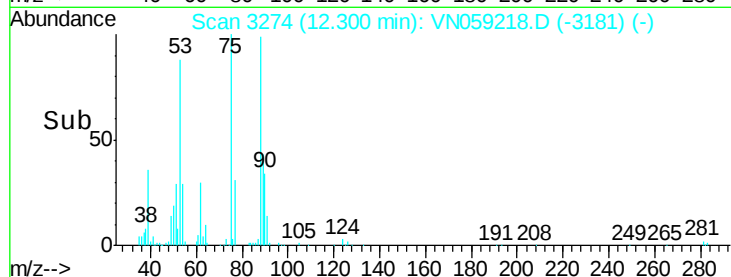
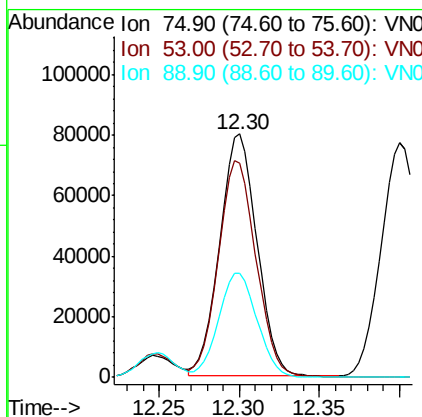
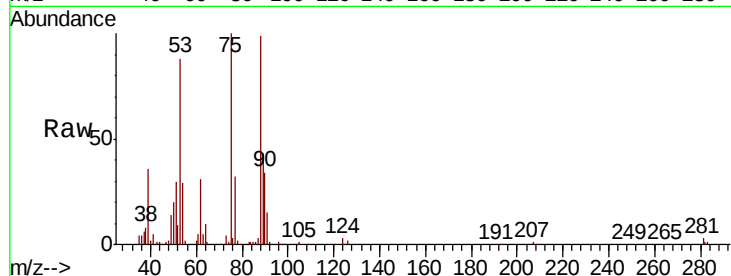
#81
trans-1,4-Dichloro-2-butene
Concen: 51.616 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.2	72.2	108.2
89	44.6	35.8	53.8

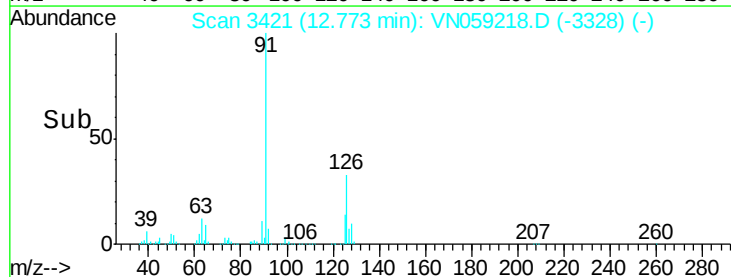
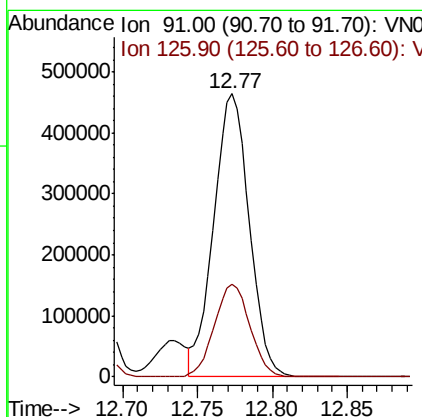
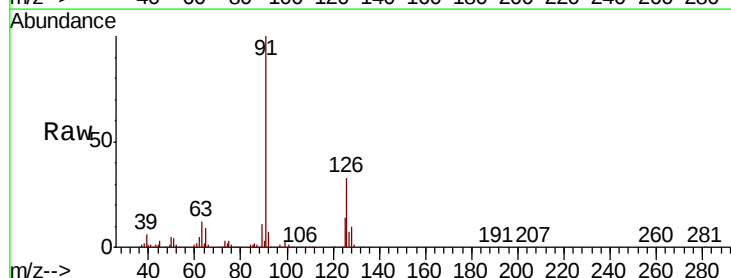
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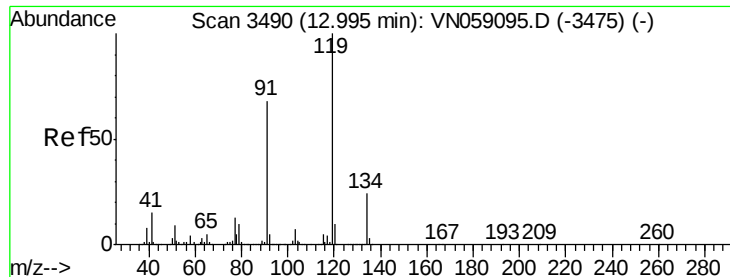
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#82
4-Chlorotoluene
Concen: 51.199 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.1	48.2





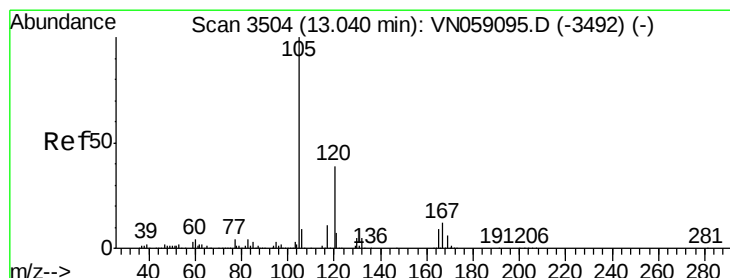
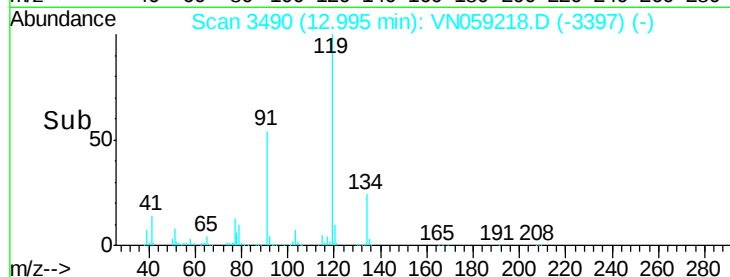
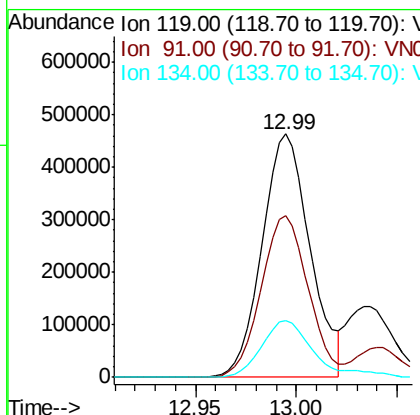
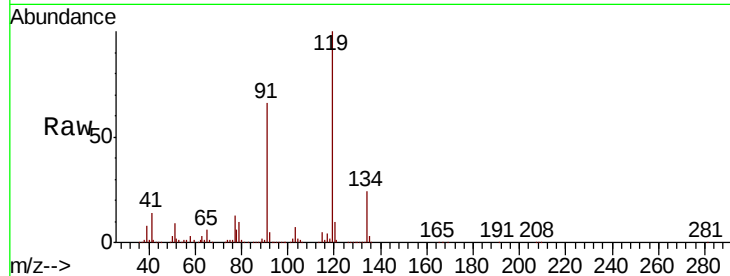
#83
tert-Butylbenzene
Concen: 49.871 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	33.2	99.6
134	25.5	12.7	38.1

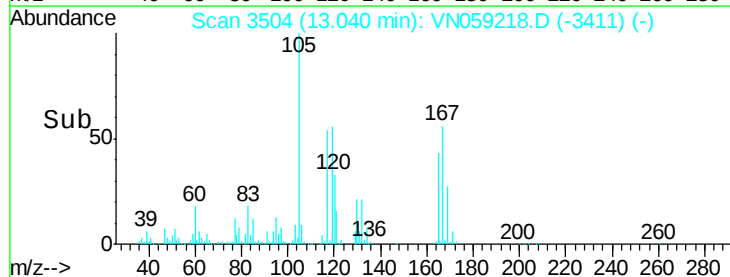
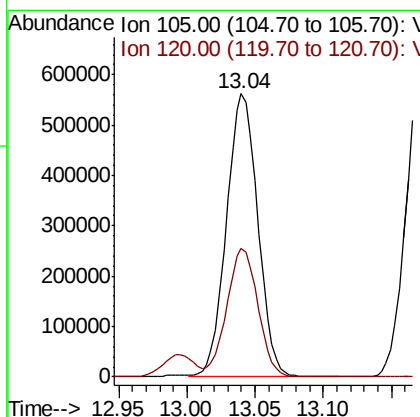
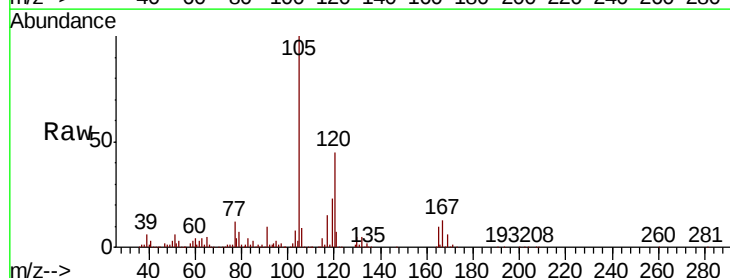
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#84
1,2,4-Trimethylbenzene
Concen: 51.884 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.8	68.4





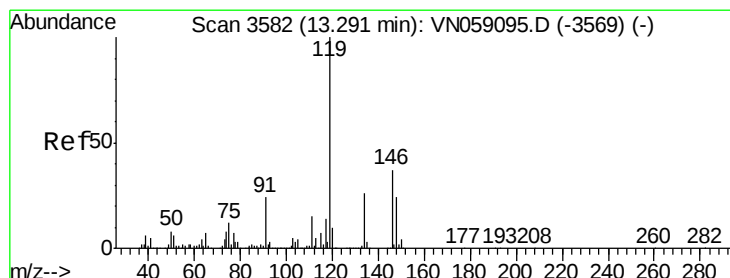
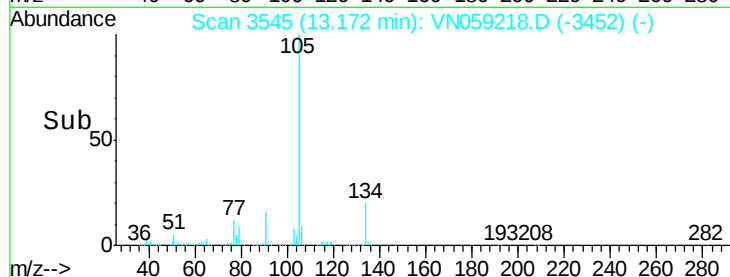
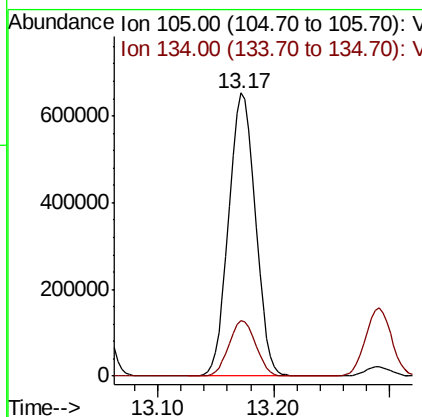
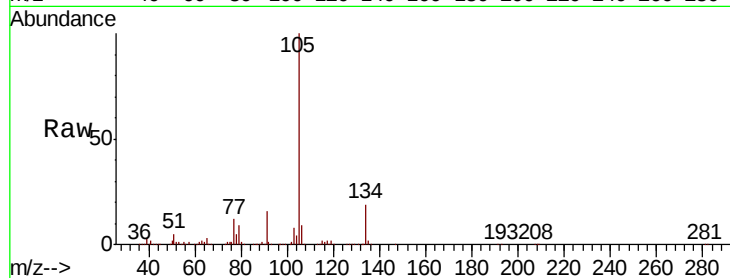
#85
 sec-Butylbenzene
 Concen: 51.878 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.7	29.1

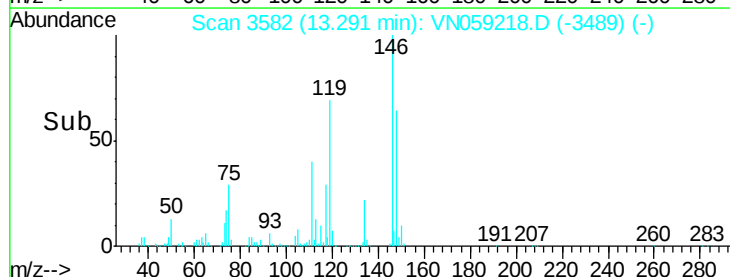
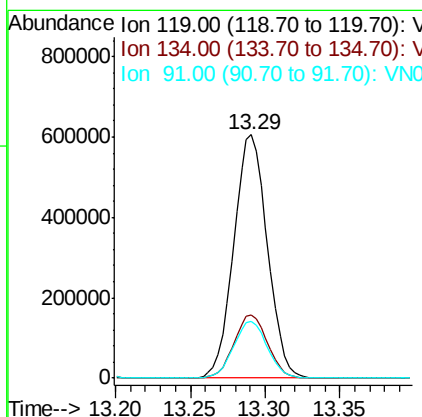
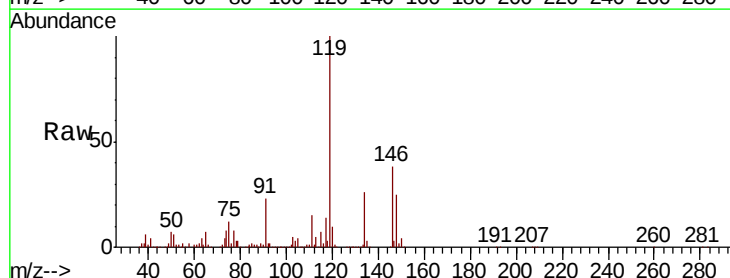
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 53.344 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	23.4	11.7	35.1





#87

1,3-Dichlorobenzene

Concen: 51.737 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059218.D

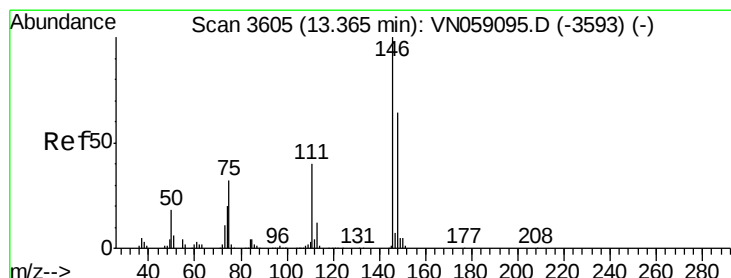
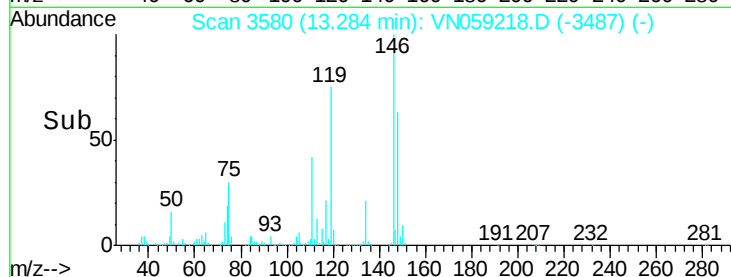
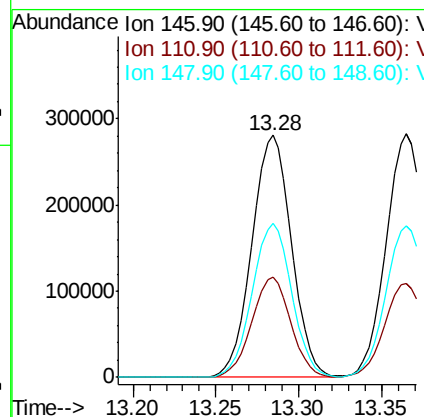
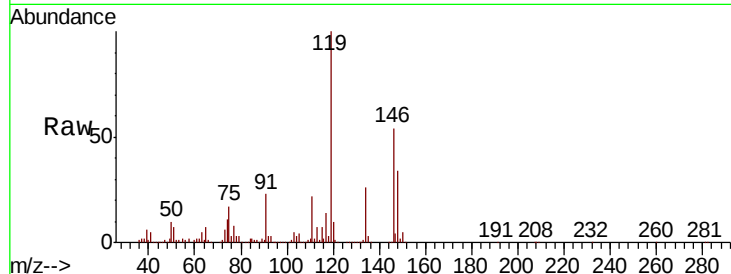
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.4	61.3
148	63.5	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 51.530 ug/l

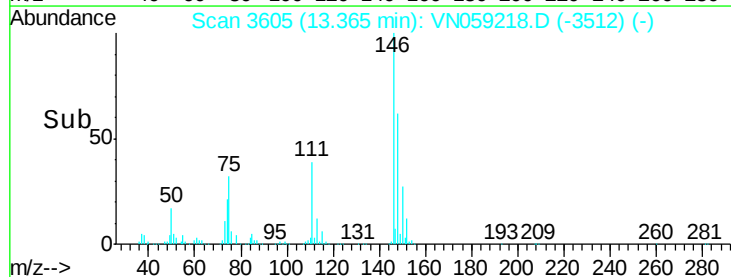
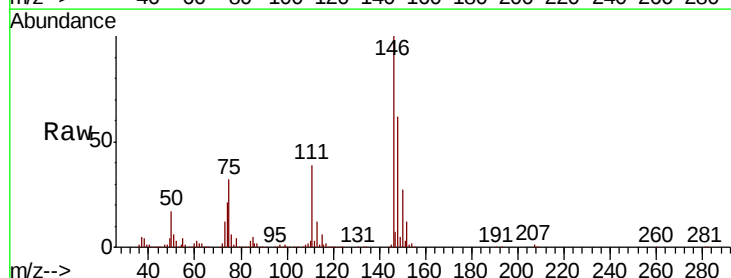
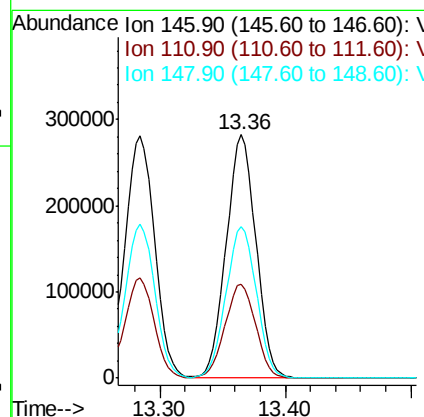
RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.9
148	63.7	31.9	95.7





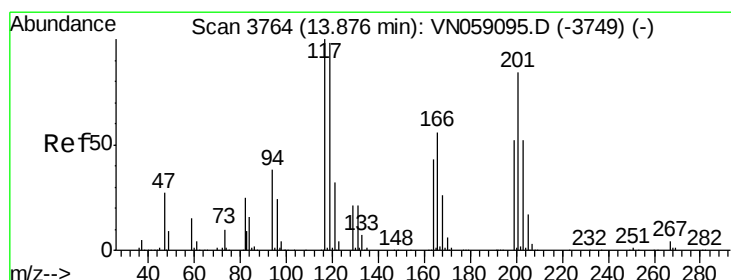
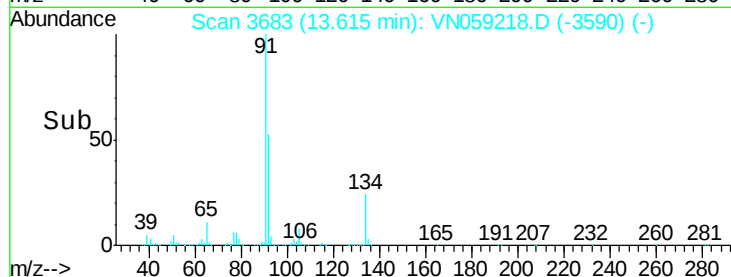
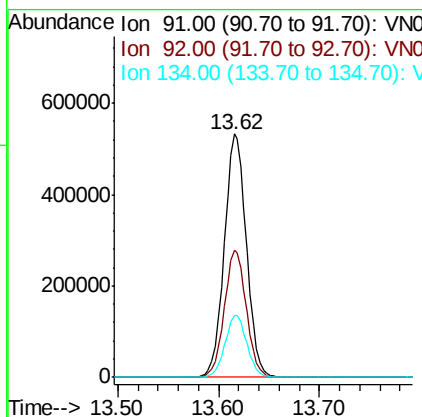
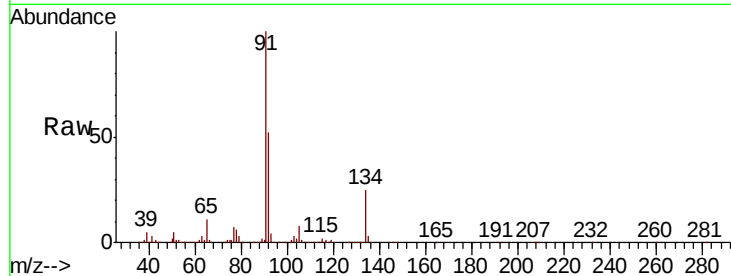
#89
n-Butylbenzene
Concen: 52.733 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
91	91	100		
92	92	52.0	26.1	78.3
134	134	25.2	12.6	37.8

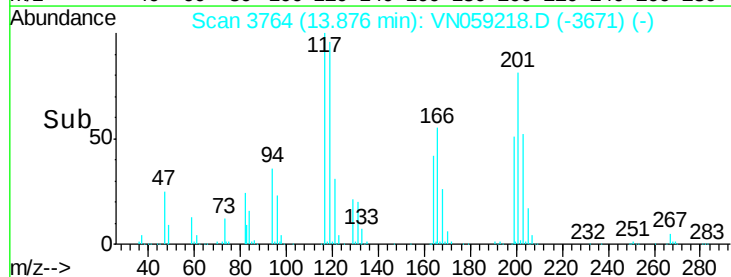
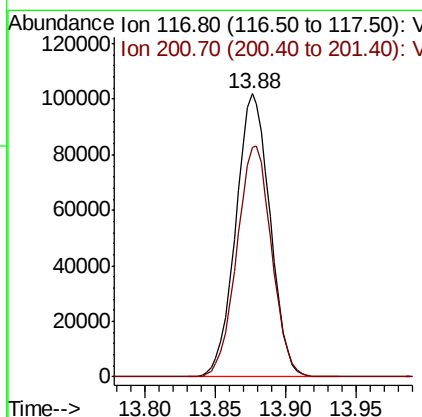
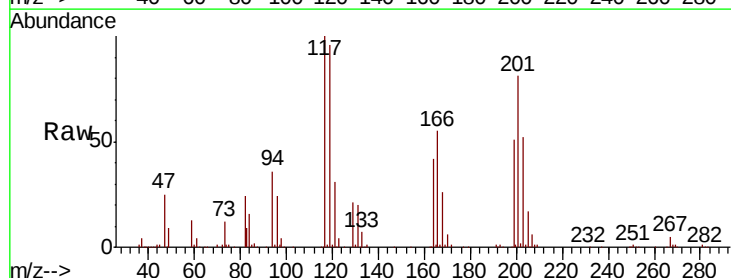
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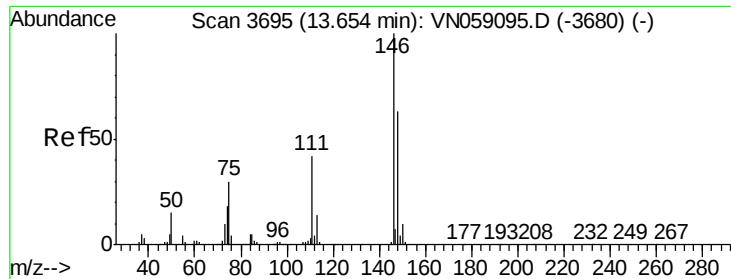
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#90
Hexachloroethane
Concen: 48.906 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion	Ion	Ratio	Lower	Upper
117	117	100		
201	201	82.8	41.8	125.3





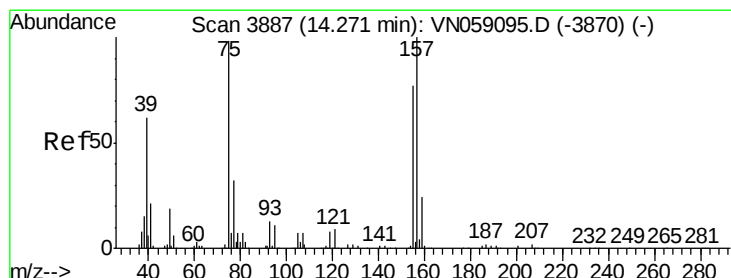
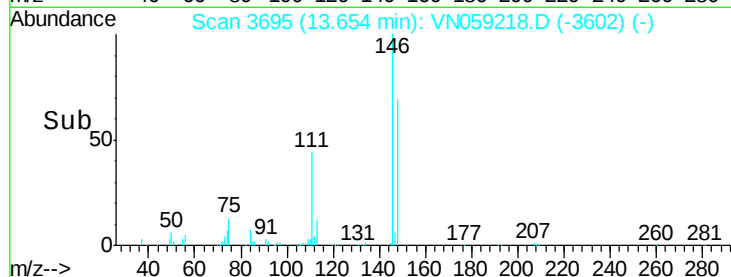
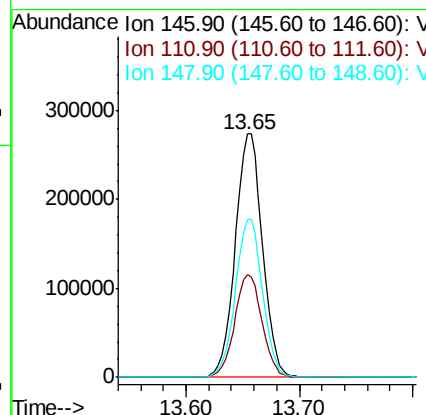
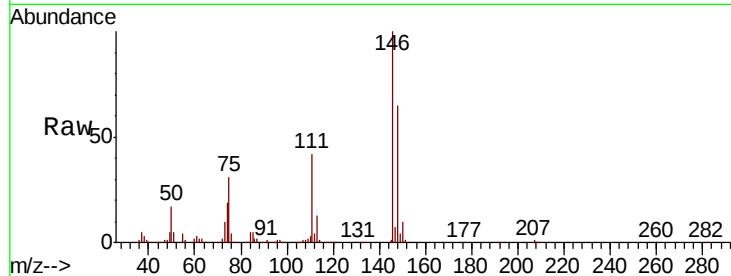
#91
 1,2-Dichlorobenzene
 Concen: 51.486 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.2	63.6
148	64.7	31.6	94.7

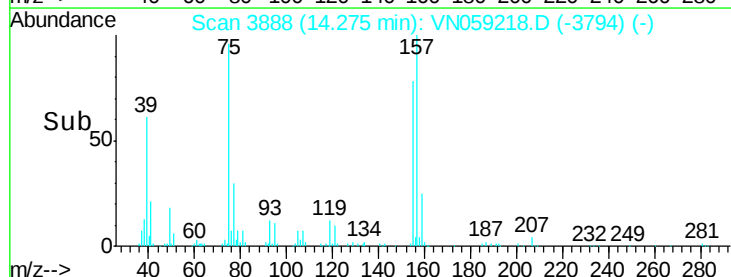
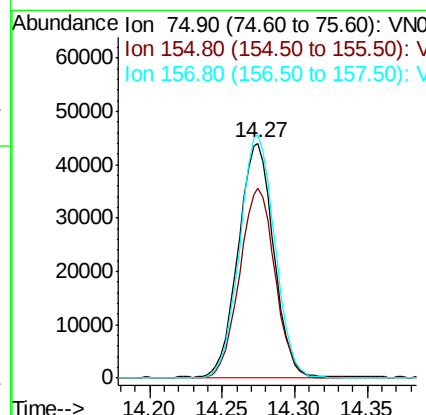
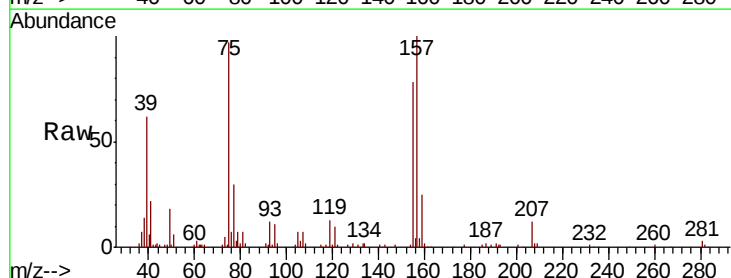
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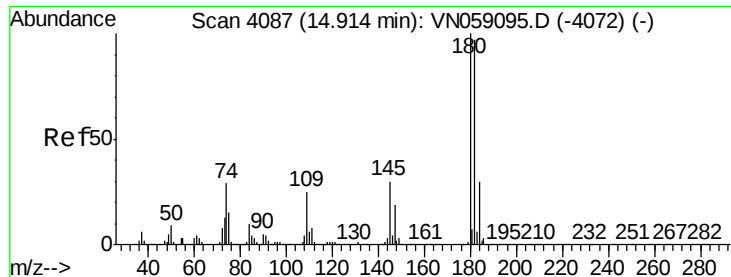
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.716 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	40.2	120.6
157	104.1	51.8	155.5





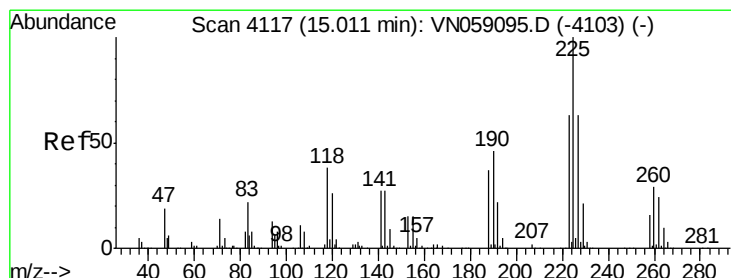
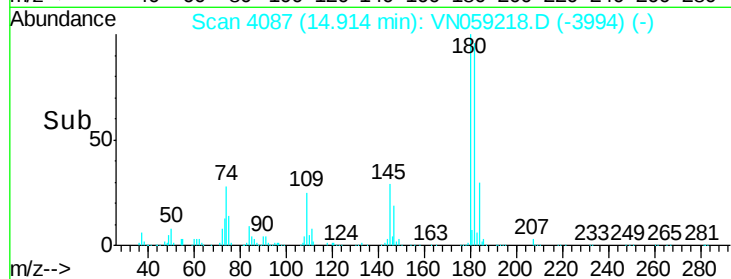
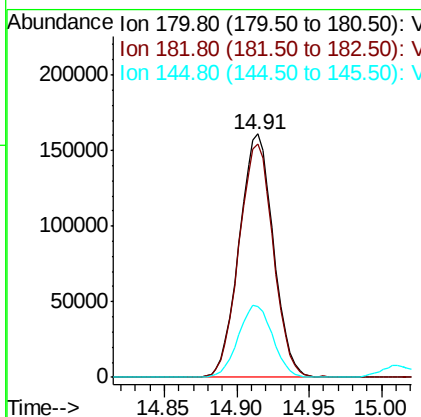
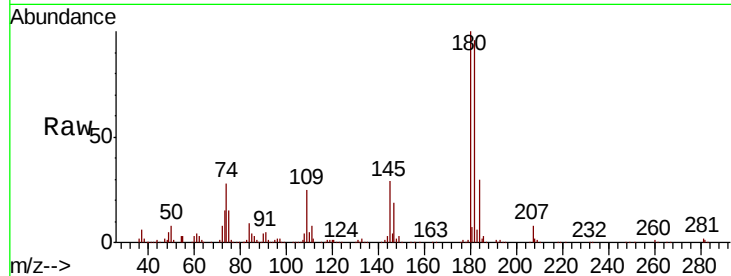
#93
 1,2,4-Trichlorobenzene
 Concen: 48.920 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	263753		
182	96.1	48.1	144.3	
145	30.0	15.1	45.3	

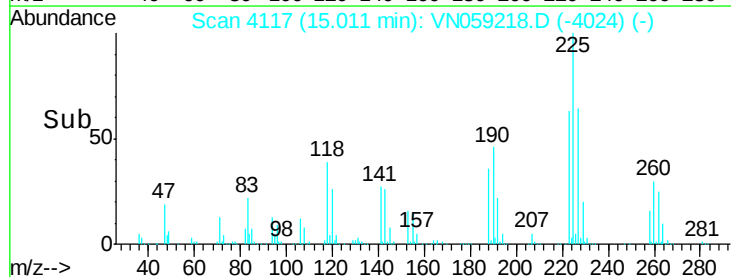
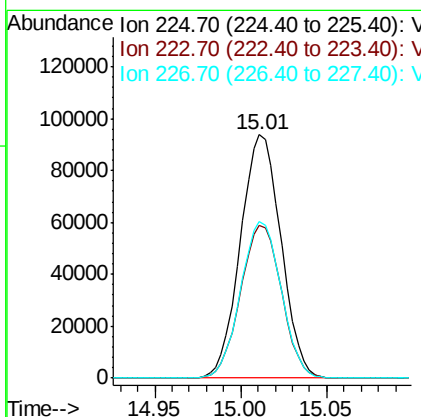
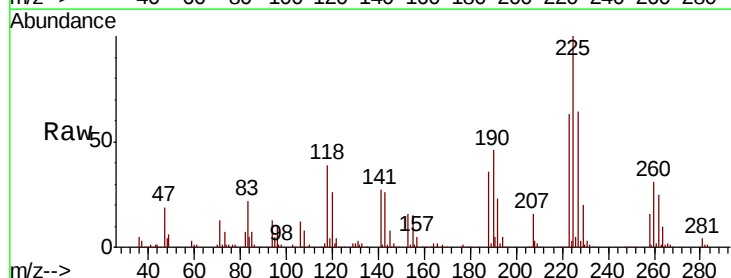
Manual Integrations
 APPROVED

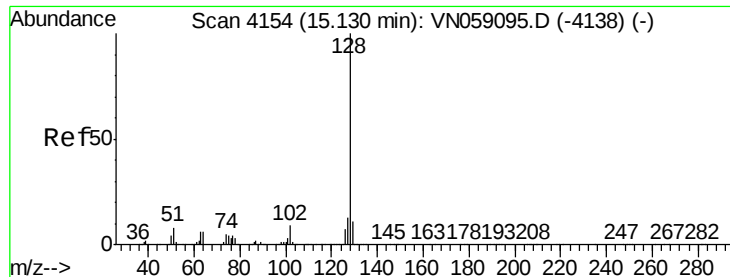
MMDadoda
 11/15/2019 10:21:41 AM



#94
 Hexachlorobutadiene
 Concen: 50.139 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	153851		
223	63.4	31.3	93.9	
227	64.1	31.5	94.5	





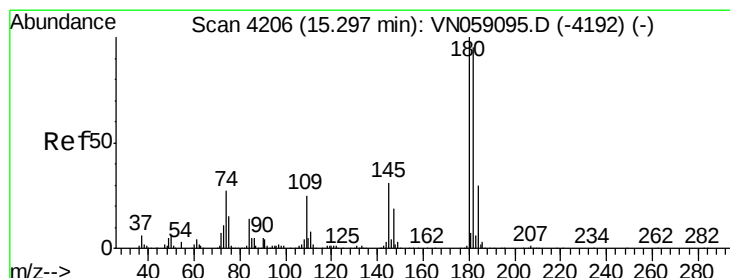
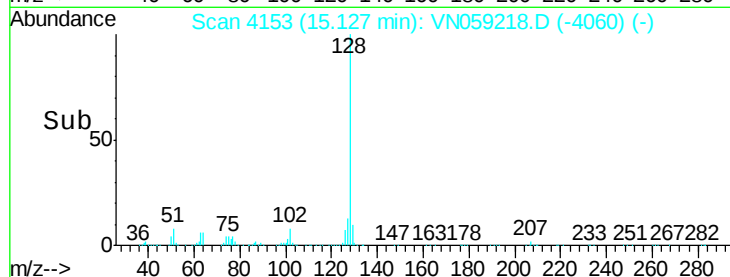
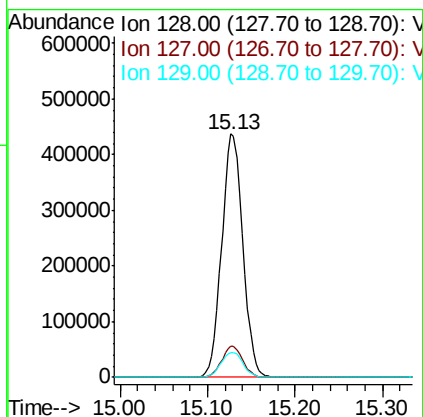
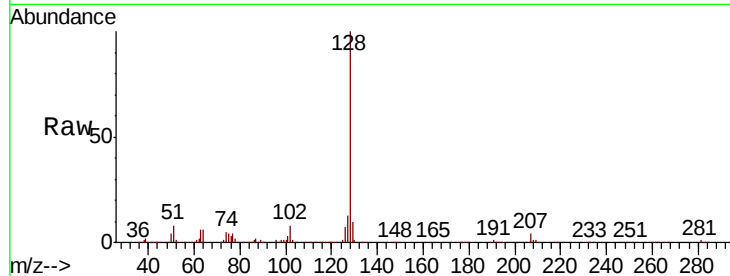
#95
Naphthalene
Concen: 48.953 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	732292		
127	12.7	10.2	15.2	
129	10.7	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
11/15/2019 10:21:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.513 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	266886		
182	95.7	47.3	141.8	
145	32.0	15.8	47.3	

