

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110619\
 Data File : VN059097.D
 Acq On : 6 Nov 2019 10:45
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 9:16:19 AM

Quant Time: Nov 07 03:57:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 03:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	534639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	838450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	781518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	399261	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	921801	133.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	266.26%	
35) Dibromofluoromethane	7.57	113	724961	136.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	273.58%	
50) Toluene-d8	10.08	98	2847788	138.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.72%	
62) 4-Bromofluorobenzene	12.40	95	1116686	151.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	776935	135.450	ug/l	99
3) Chloromethane	2.04	50	1014865	130.591	ug/l	99
4) Vinyl Chloride	2.17	62	1017045	134.649	ug/l	99
5) Bromomethane	2.51	94	588859m	132.379	ug/l	
6) Chloroethane	2.66	64	588583m	127.243	ug/l	
7) Trichlorofluoromethane	2.99	101	1196253	132.943	ug/l	99
8) Diethyl Ether	3.38	74	508156	144.131	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	737696	138.946	ug/l	99
10) Methyl Iodide	3.92	142	1012378	156.168	ug/l	100
11) Tert butyl alcohol	4.76	59	958890	735.715	ug/l	99
12) 1,1-Dichloroethene	3.71	96	722234	136.878	ug/l	99
13) Acrolein	3.58	56	488923	622.575	ug/l	99
14) Allyl chloride	4.29	41	1495248	143.017	ug/l	98
15) Acrylonitrile	4.95	53	2439486	743.271	ug/l	100
16) Acetone	3.79	43	2545721	707.359	ug/l	98
17) Carbon Disulfide	4.02	76	2203275	132.346	ug/l	100
18) Methyl Acetate	4.29	43	1217442	134.306	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	2581034	143.419	ug/l	100
20) Methylene Chloride	4.52	84	854496	136.459	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	779487	137.778	ug/l	99
22) Diisopropyl ether	5.92	45	2898196	145.411	ug/l	99
23) Vinyl Acetate	5.86	43	10001540	631.592	ug/l	# 87
24) 1,1-Dichloroethane	5.82	63	1553751	136.248	ug/l	99
25) 2-Butanone	6.81	43	3472370	729.593	ug/l	98
26) 2,2-Dichloropropane	6.80	77	1314814	133.046	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	904885	141.512	ug/l	100
28) Bromochloromethane	7.17	49	441197	126.204	ug/l	100
29) Tetrahydrofuran	7.18	42	2180476	726.569	ug/l	99
30) Chloroform	7.35	83	1482436	136.014	ug/l	100
31) Cyclohexane	7.63	56	1461995	134.985	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	1282300	139.088	ug/l	100
36) 1,1-Dichloropropene	7.77	75	1186994	143.152	ug/l	99
37) Ethyl Acetate	6.90	43	1309619	141.953	ug/l	99
38) Carbon Tetrachloride	7.75	117	1135283	140.339	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	1443083	151.005	ug/l	100
40) Benzene	8.02	78	3408303	138.145	ug/l	99
41) Methacrylonitrile	7.15	41	590622m	147.283	ug/l	
42) 1,2-Dichloroethane	8.10	62	1171792	136.675	ug/l	100
43) Isopropyl Acetate	8.14	43	2150127	149.361	ug/l	99
44) Trichloroethene	8.82	130	853786	140.488	ug/l	100
45) 1,2-Dichloropropane	9.10	63	957132	143.304	ug/l	99
46) Dibromomethane	9.19	93	580990	140.921	ug/l	100
47) Bromodichloromethane	9.39	83	1209374	144.570	ug/l	96
48) Methyl methacrylate	9.18	41	1004209	152.908	ug/l	98
49) 1,4-Dioxane	9.18	88	362474	3405.871	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	5260210	627.198	ug/l #	83
52) Toluene	10.14	92	2141498	148.388	ug/l	92
53) t-1,3-Dichloropropene	10.37	75	1454344	150.769	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1537968	151.303	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	841074	142.549	ug/l	99
56) Ethyl methacrylate	10.42	69	1471292	165.850	ug/l	99
57) 1,3-Dichloropropane	10.70	76	1495028	145.906	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	2414596	685.810	ug/l	99
59) 2-Hexanone	10.74	43	4364330	684.996	ug/l	86
60) Dibromochloromethane	10.90	129	956406	150.945	ug/l	99
61) 1,2-Dibromoethane	11.00	107	893927	150.043	ug/l	100
64) Tetrachloroethene	10.63	164	750475	137.557	ug/l	99
65) Chlorobenzene	11.43	112	2229276	139.482	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	851179	144.533	ug/l	100
67) Ethyl Benzene	11.51	91	3770915	136.344	ug/l #	86
68) m/p-Xylenes	11.62	106	3049760	294.873	ug/l	79
69) o-Xylene	11.95	106	1503333	152.337	ug/l	91
70) Styrene	11.96	104	2540971	159.193	ug/l	99
71) Bromoform	12.13	173	722612	158.710	ug/l #	100
73) Isopropylbenzene	12.25	105	3675146	125.416	ug/l	94
74) N-amyl acetate	12.07	43	1945371	149.997	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	1363833	130.629	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1209457m	129.618	ug/l	
77) Bromobenzene	12.53	156	994377	135.245	ug/l	99
78) n-propylbenzene	12.59	91	4194596	123.858	ug/l	91
79) 2-Chlorotoluene	12.67	91	2757298	131.115	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	3300880	132.454	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.30	75	533853	146.729	ug/l	97
82) 4-Chlorotoluene	12.77	91	2892400	134.641	ug/l	97
83) tert-Butylbenzene	12.99	119	2888409	136.044	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3282156	136.013	ug/l	95
85) sec-Butylbenzene	13.17	105	3692150	133.020	ug/l	95
86) p-Isopropyltoluene	13.29	119	3392695	135.723	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	1823858	140.141	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1824087	141.844	ug/l	99
89) n-Butylbenzene	13.62	91	3207427	147.774	ug/l	93
90) Hexachloroethane	13.88	117	692150	139.503	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1774453	136.682	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	298100	132.432	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1185626	170.310	ug/l	99
94) Hexachlorobutadiene	15.01	225	598326	142.249	ug/l	99
95) Naphthalene	15.13	128	3243460	170.061	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	1160258	162.968	ug/l	99

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

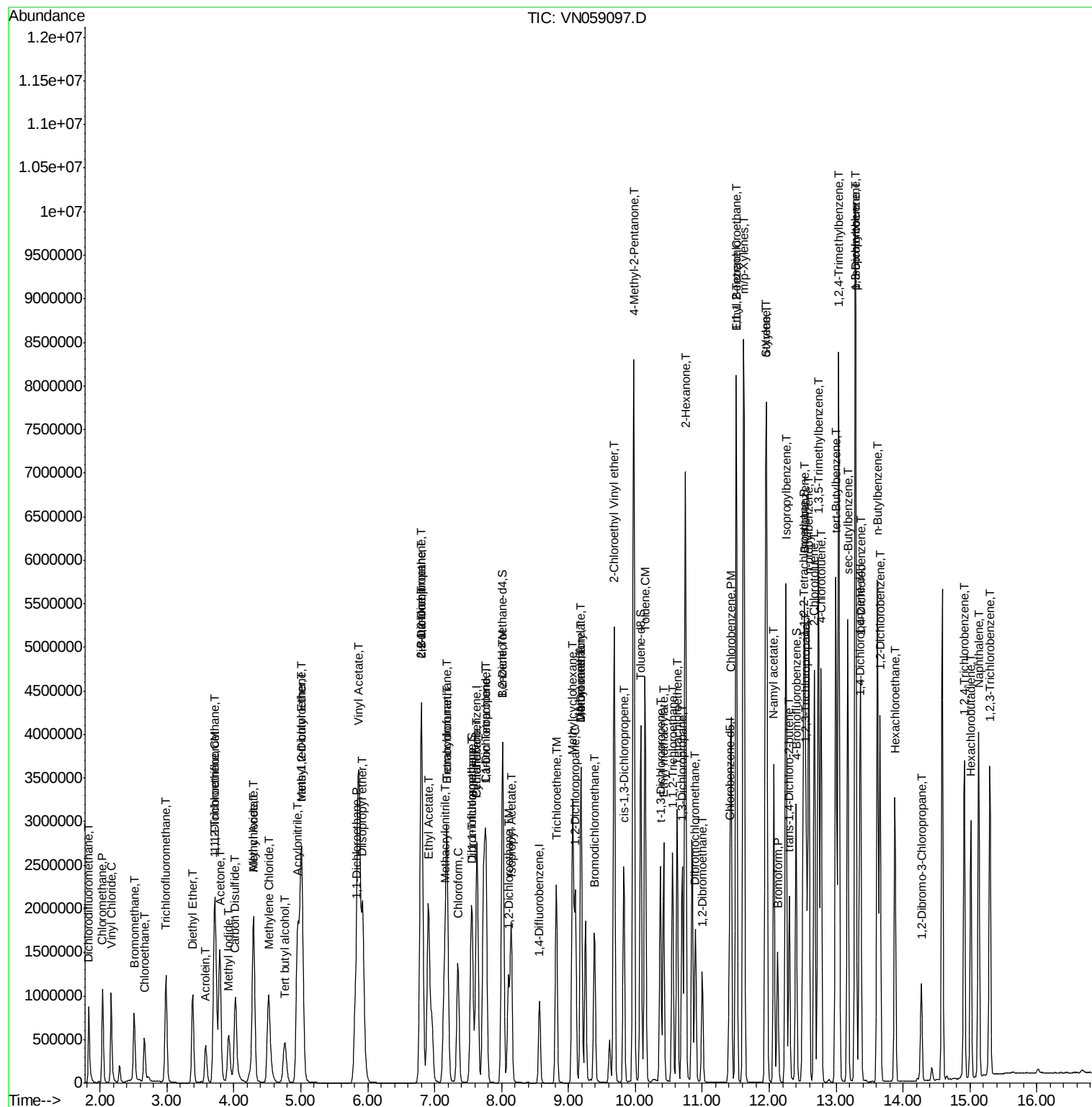
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Data File : VN059097.D
Acq On : 6 Nov 2019 10:45
Operator : JC/SP
Sample : VSTDIC150
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleID :
VSTDIC150

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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: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 168 Resp: 534639

Ion Ratio Lower Upper

168 100

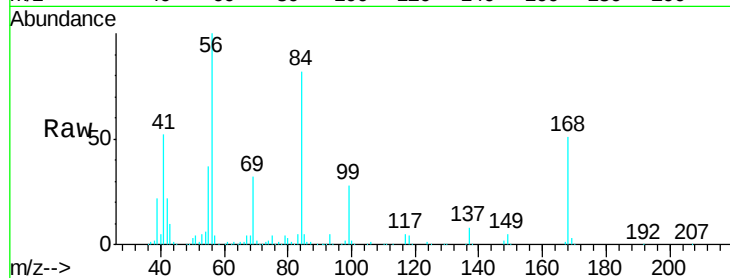
99 55.0 45.7 68.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

300000

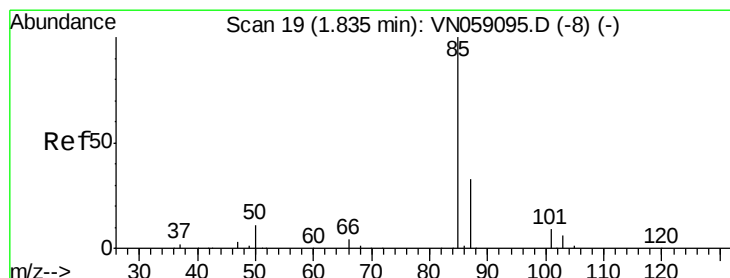
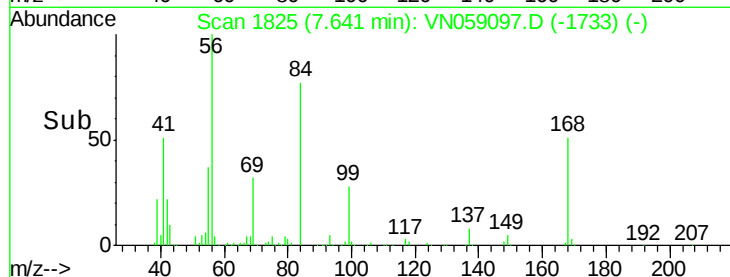
200000

100000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 135.450 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059097.D

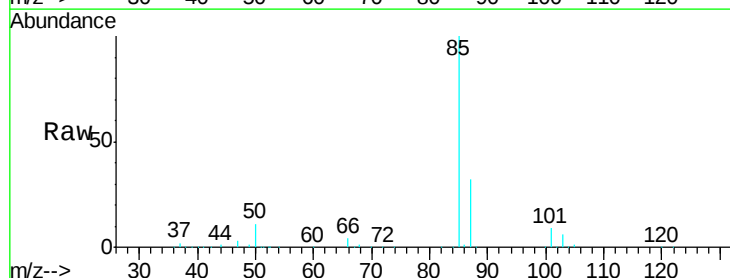
Acq: 6 Nov 2019 10:45

Tgt Ion: 85 Resp: 776935

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

500000

400000

300000

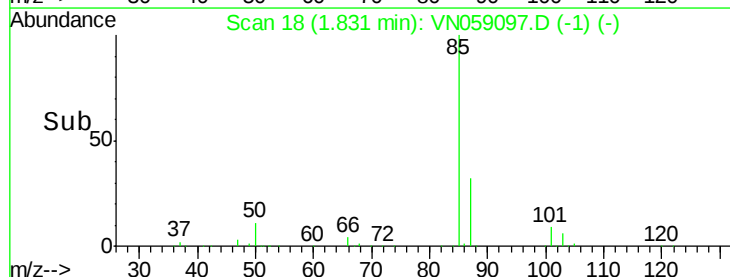
200000

100000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 130.591 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 1014865

Ion Ratio Lower Upper

50 100

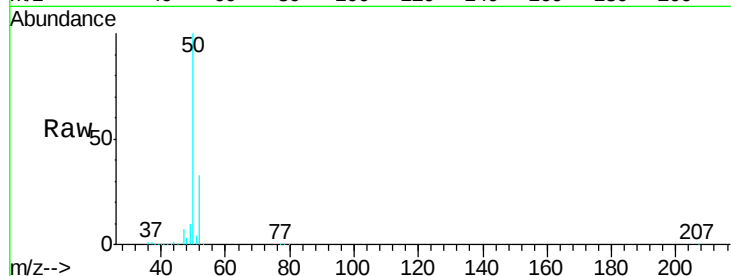
52 33.3 26.0 39.0

Manual Integrations

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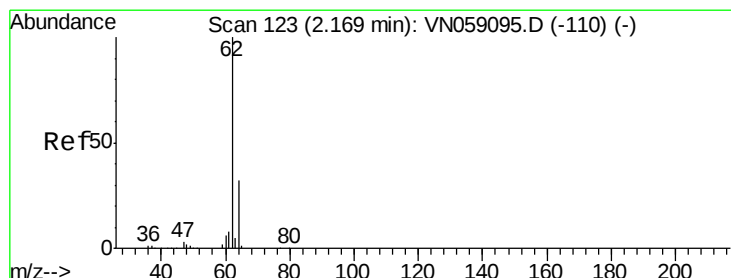
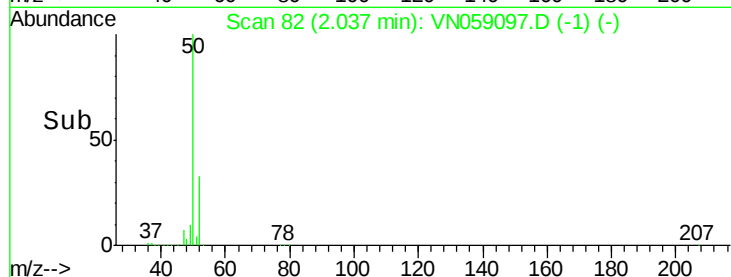
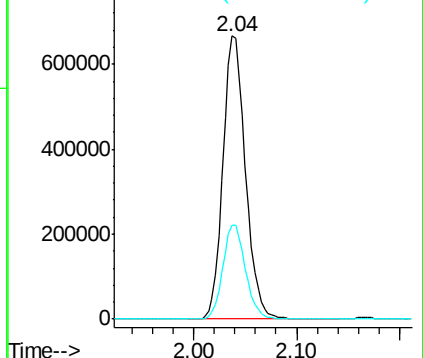
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 134.649 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059097.D

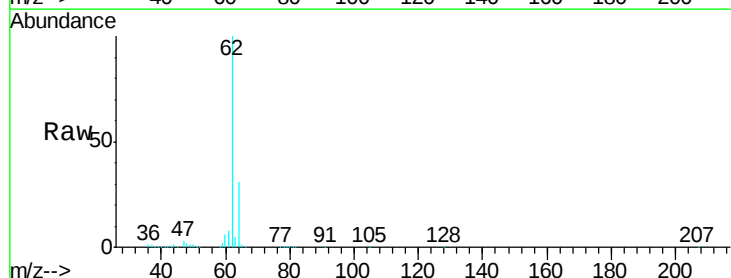
Acq: 6 Nov 2019 10:45

Tgt Ion: 62 Resp: 1017045

Ion Ratio Lower Upper

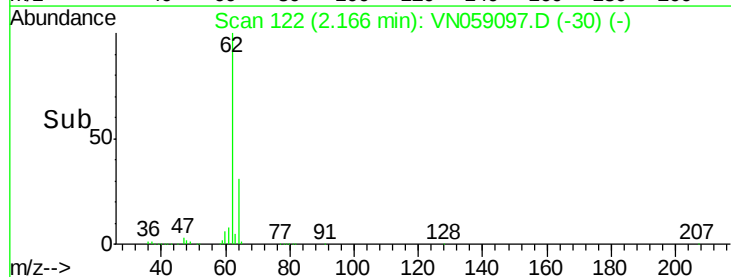
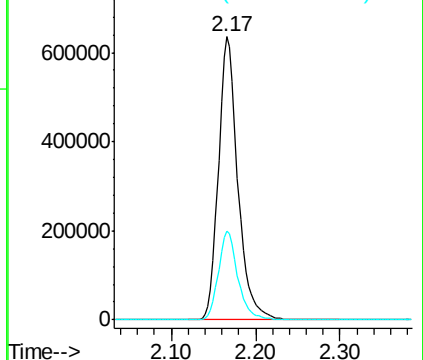
62 100

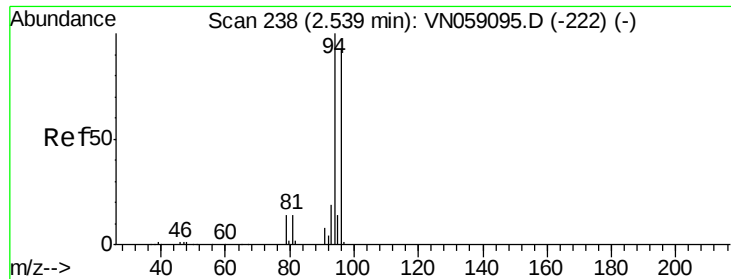
64 31.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 132.379 ug/l m

RT: 2.51 min Scan# 229

Delta R.T. -0.03 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 94 Resp: 588859

Ion Ratio Lower Upper

94 100

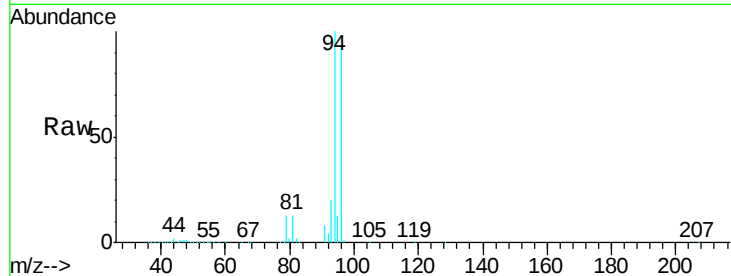
96 93.2 74.2 111.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN059097.D (-222) (-)

Ion 95.90 (95.60 to 96.60): VN059097.D (-222) (-)

2.51

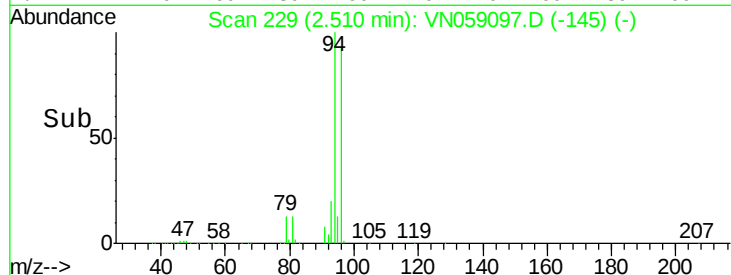
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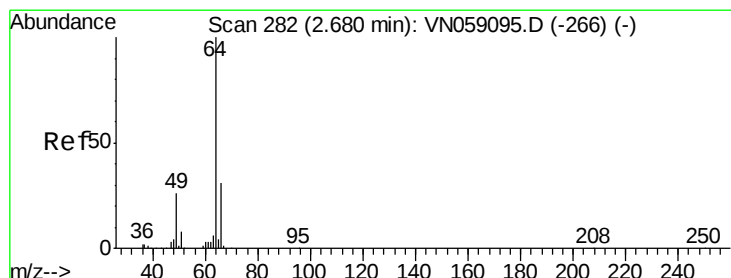
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Time-->



Time-->



#6

Chloroethane

Concen: 127.243 ug/l m

RT: 2.66 min Scan# 277

Delta R.T. -0.02 min

Lab File: VN059097.D

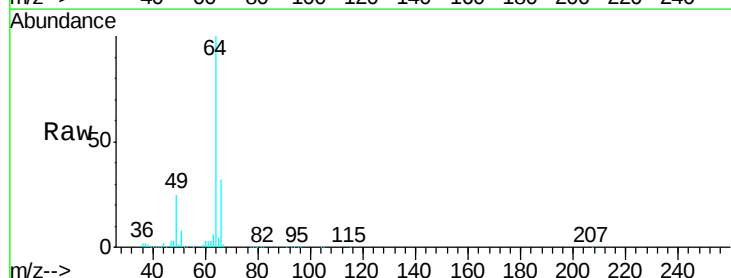
Acq: 6 Nov 2019 10:45

Tgt Ion: 64 Resp: 588583

Ion Ratio Lower Upper

64 100

66 32.1 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN059097.D (-266) (-)

Ion 65.90 (65.60 to 66.60): VN059097.D (-266) (-)

2.66

300000

250000

200000

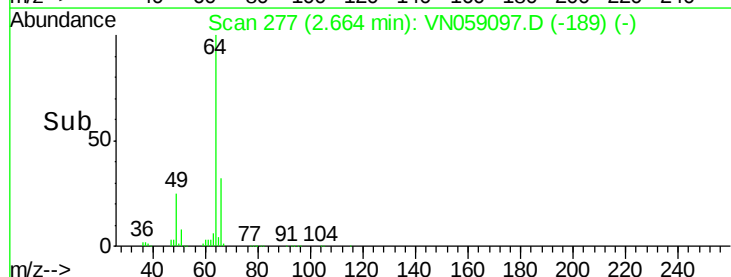
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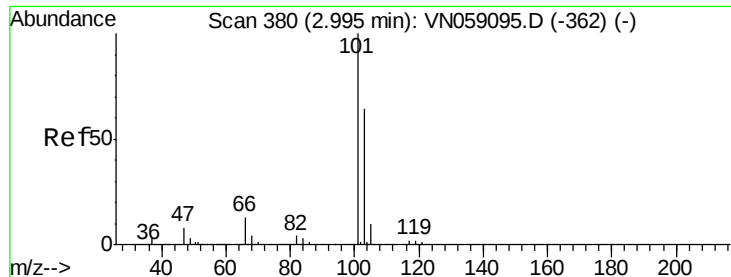
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Time-->



Time-->



#7

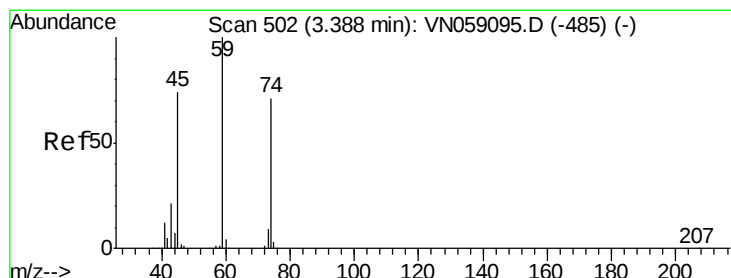
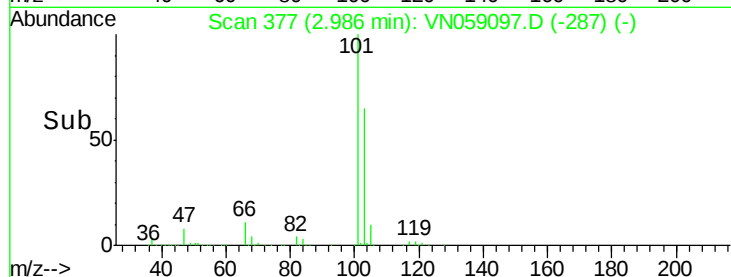
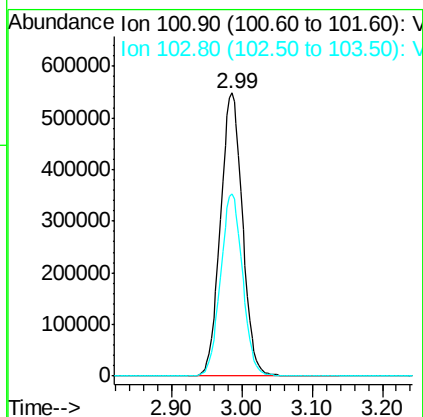
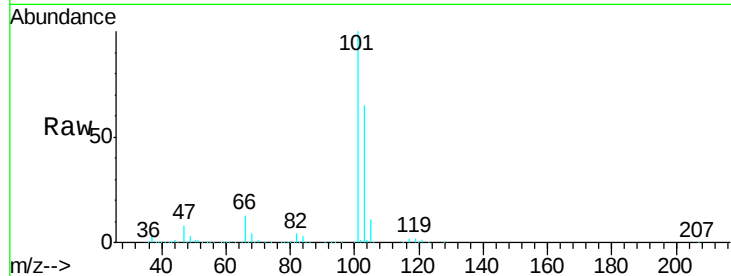
Trichlorofluoromethane
 Concen: 132.943 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. -0.01 min
 Lab File: VN059097.D
 Acq: 6 Nov 2019 10:45

Instrument :
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 ClientSampleId :
 VSTDIC150

Tgt Ion:101 Resp: 1196253
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.2 76.8

Manual Integrations
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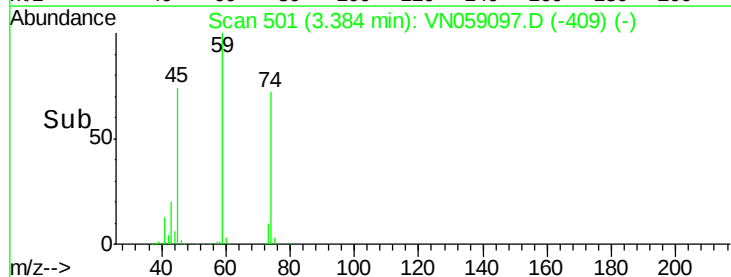
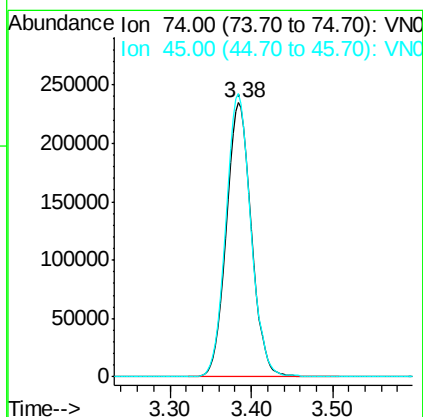
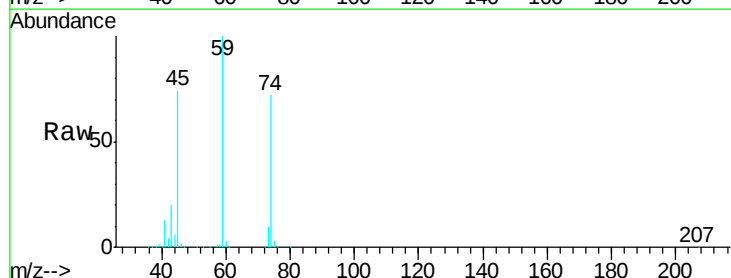
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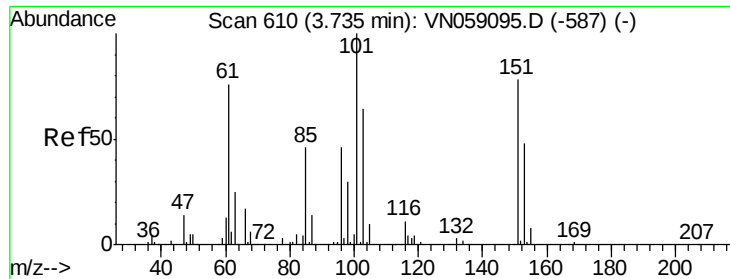


#8

Diethyl Ether
 Concen: 144.131 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059097.D
 Acq: 6 Nov 2019 10:45

Tgt Ion: 74 Resp: 508156
 Ion Ratio Lower Upper
 74 100
 45 103.3 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 138.946 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

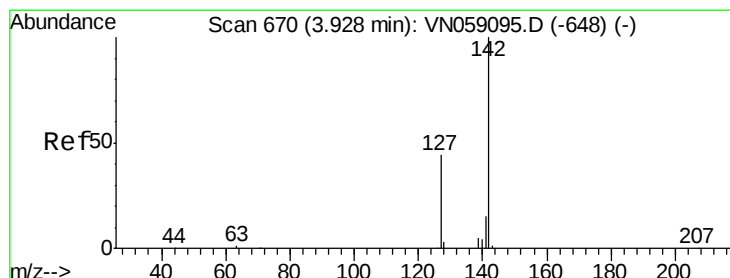
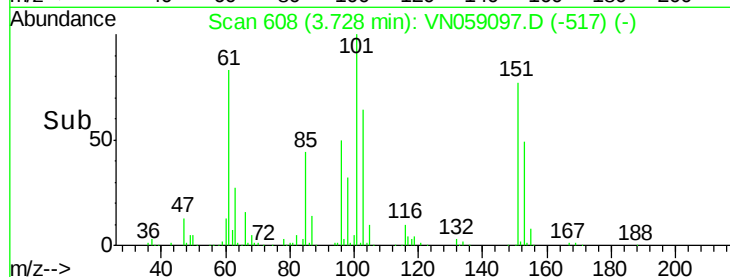
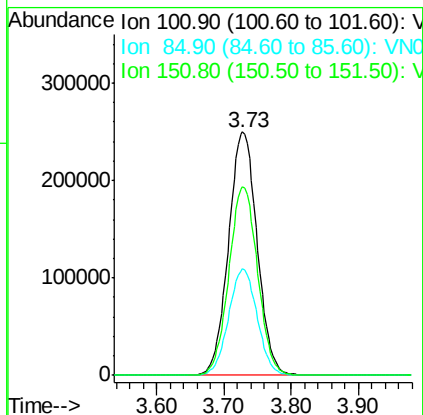
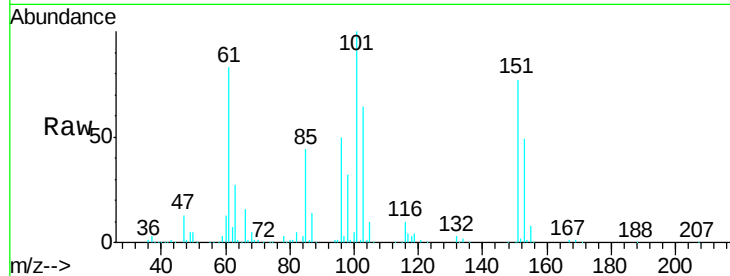
ClientSampleId :

VSTDIC150

Tgt Ion:	101	Resp:	737696
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.5	53.3
151	77.9	62.2	93.2

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#10

Methyl Iodide

Concen: 156.168 ug/l

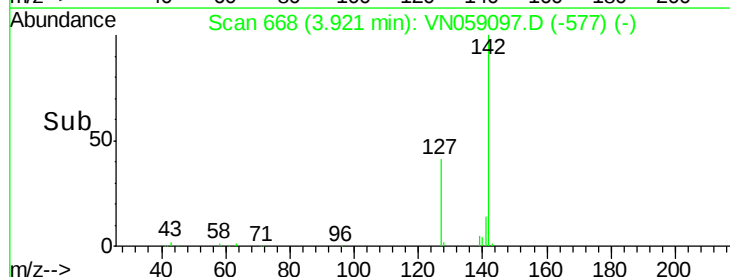
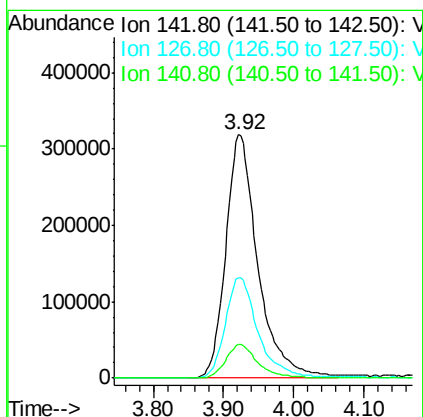
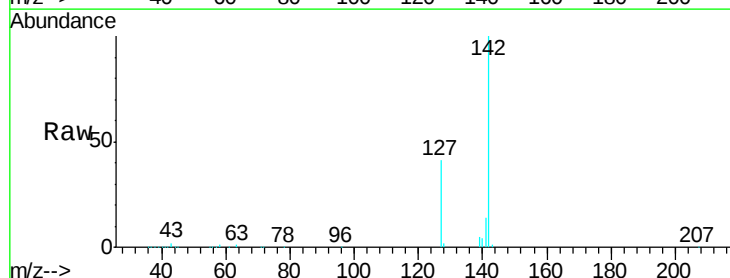
RT: 3.92 min Scan# 668

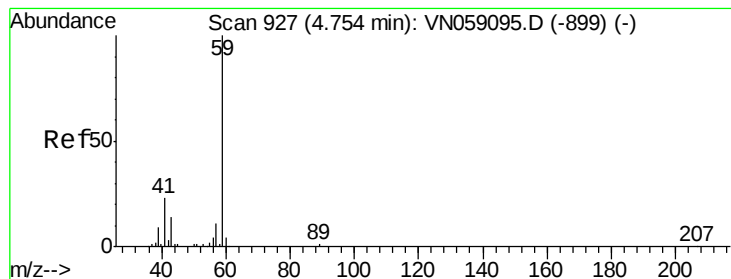
Delta R.T. -0.01 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Tgt Ion:	142	Resp:	1012378
Ion Ratio	Lower	Upper	
142	100		
127	42.5	34.2	51.2
141	13.9	11.4	17.0





#11

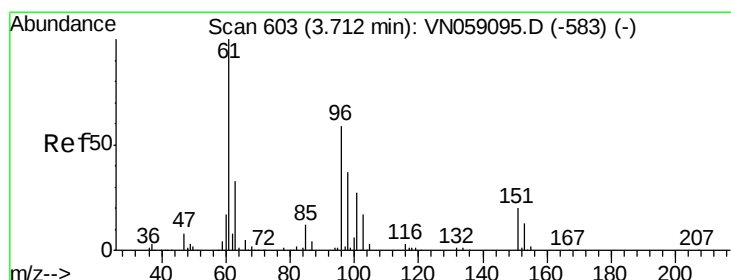
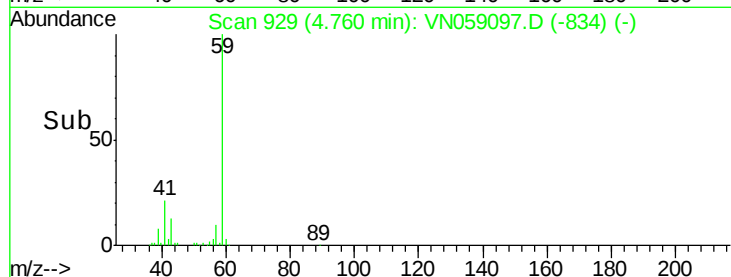
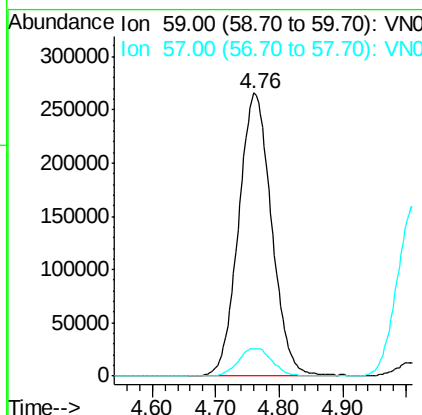
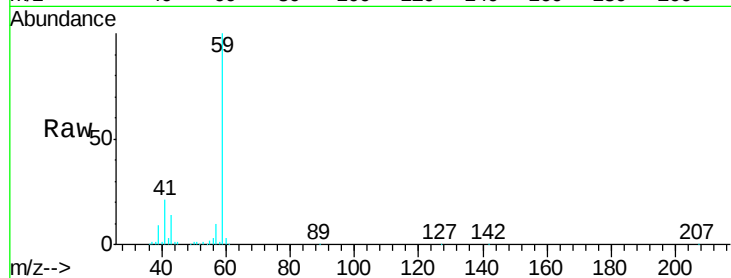
Tert butyl alcohol
 Concen: 735.715 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN059097.D
 Acq: 6 Nov 2019 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5

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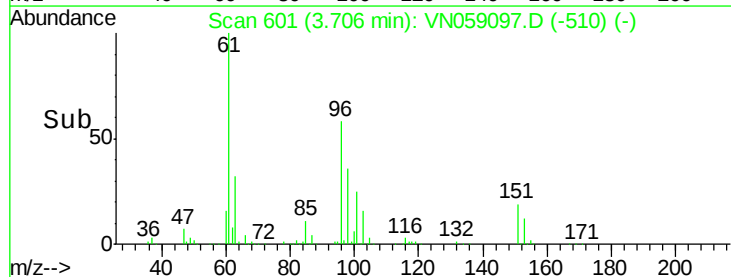
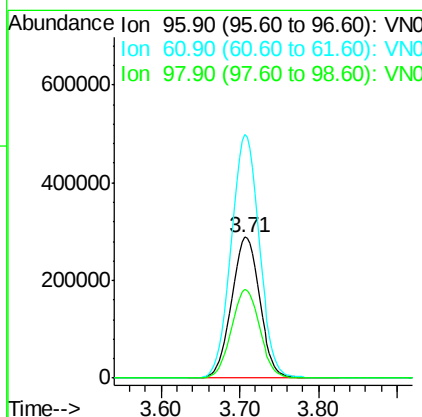
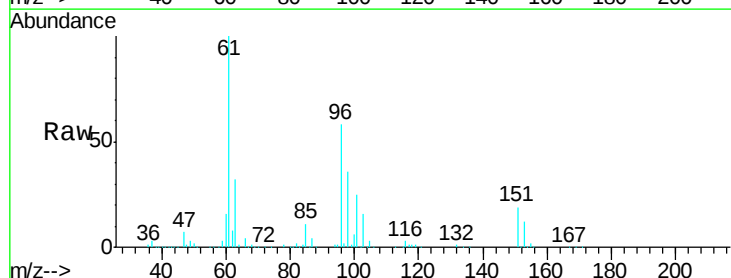
MMDadoda
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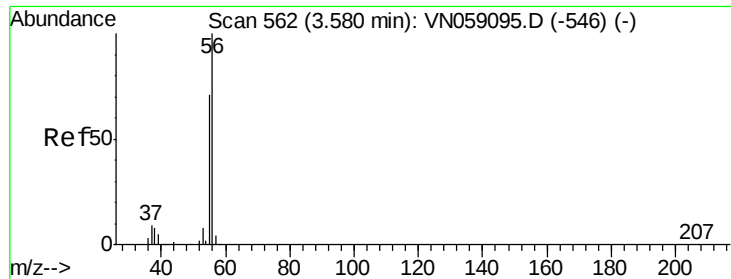


#12

1,1-Dichloroethene
 Concen: 136.878 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VN059097.D
 Acq: 6 Nov 2019 10:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.0	136.5	204.7
98	62.7	50.2	75.4





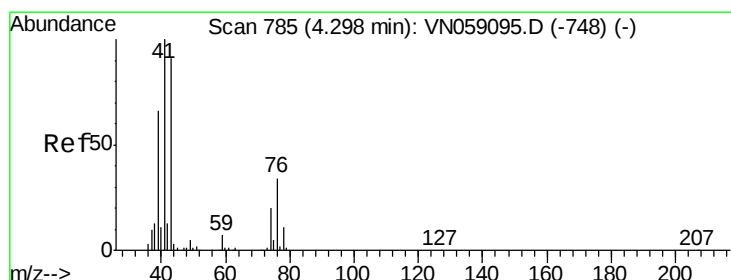
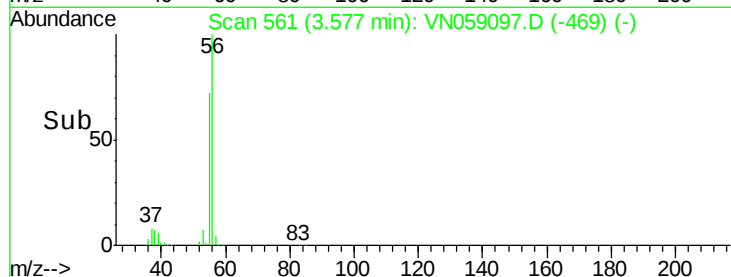
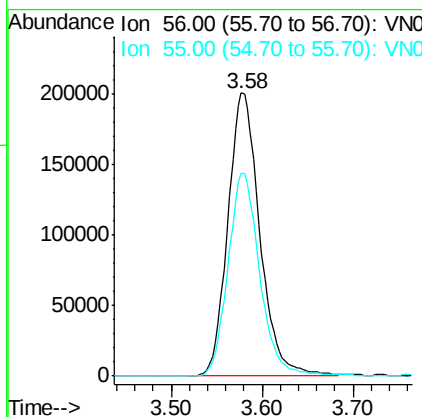
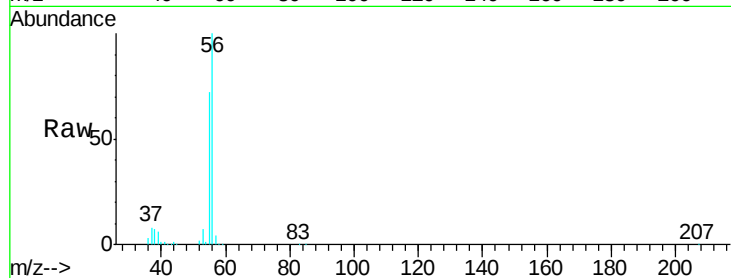
#13
Acrolein
Concen: 622.575 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 56 Resp: 488923
Ion Ratio Lower Upper
56 100
55 71.6 56.4 84.6

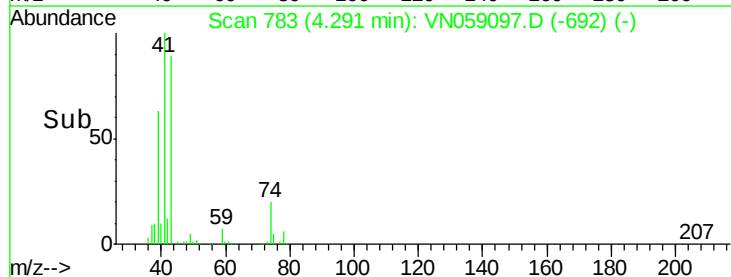
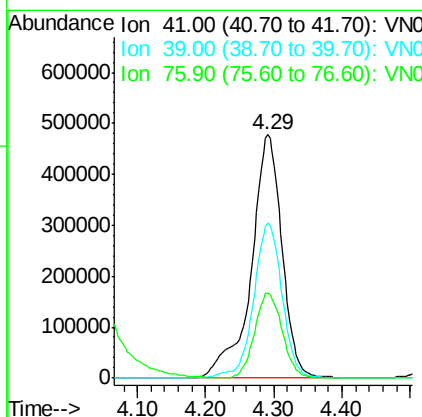
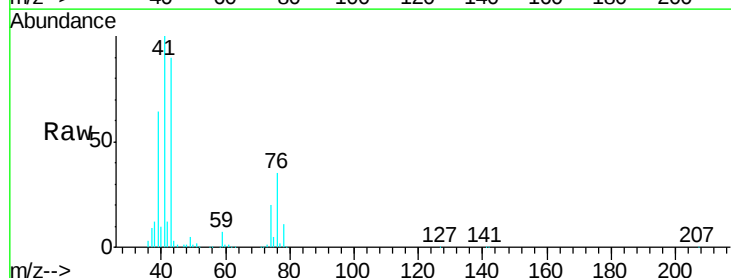
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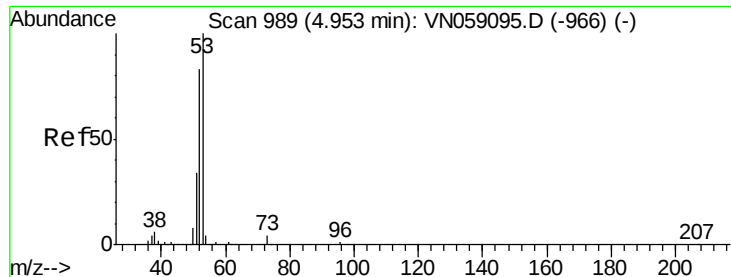
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#14
Allyl chloride
Concen: 143.017 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Tgt Ion: 41 Resp: 1495248
Ion Ratio Lower Upper
41 100
39 59.0 49.1 73.7
76 31.1 24.9 37.3





#15

Acrylonitrile

Concen: 743.271 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 53 Resp: 2439486

Ion Ratio Lower Upper

53 100

52 81.5 65.0 97.6

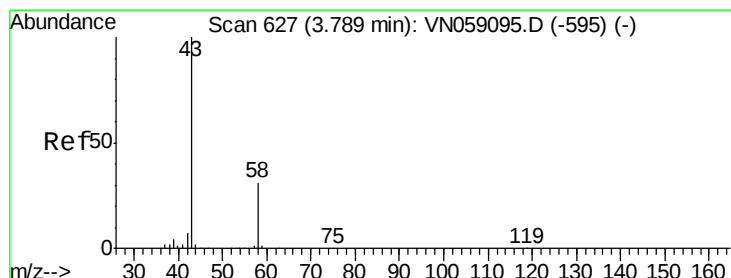
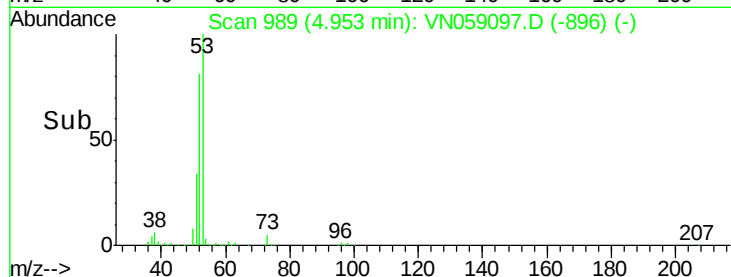
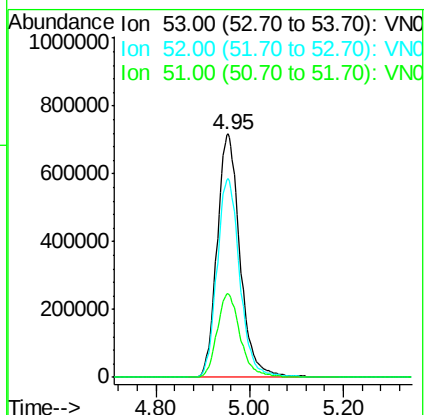
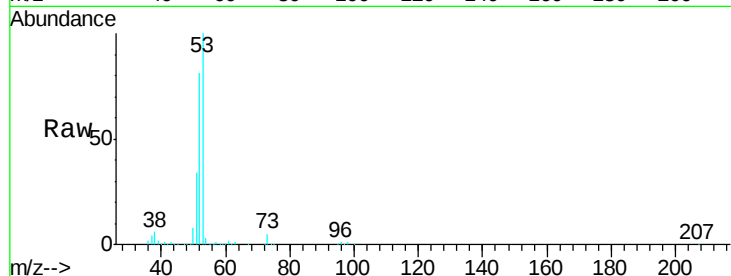
51 34.9 28.0 42.0

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#16

Acetone

Concen: 707.359 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059097.D

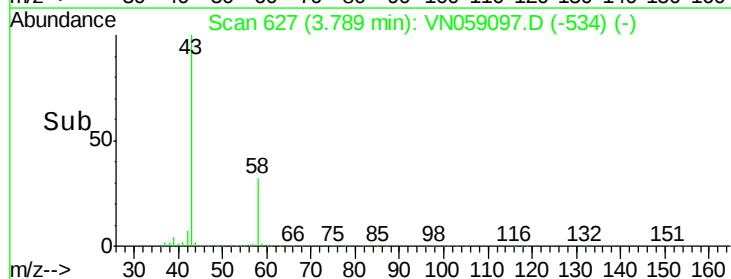
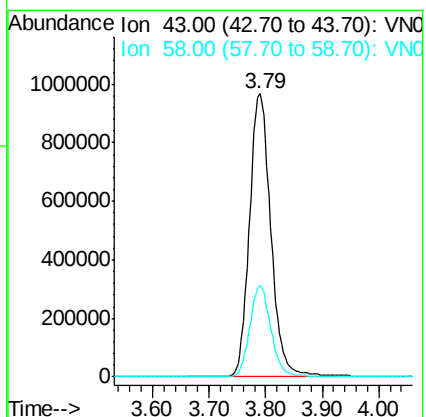
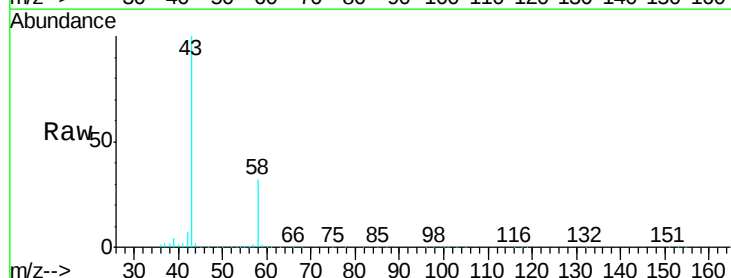
Acq: 6 Nov 2019 10:45

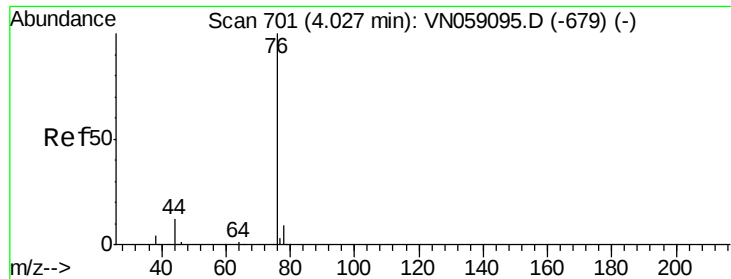
Tgt Ion: 43 Resp: 2545721

Ion Ratio Lower Upper

43 100

58 32.2 24.9 37.3





#17

Carbon Disulfide

Concen: 132.346 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 2203275

Ion Ratio Lower Upper

76 100

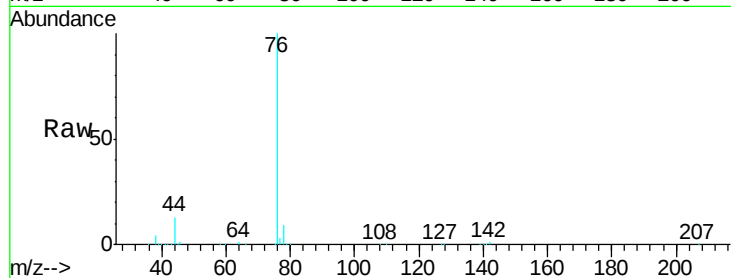
78 9.0 7.4 11.0

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Abundance Ion 75.90 (75.60 to 76.60): VN059097.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN059097.D (-679) (-)

4.02

800000

600000

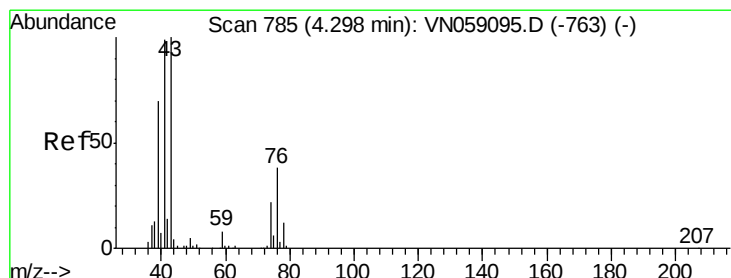
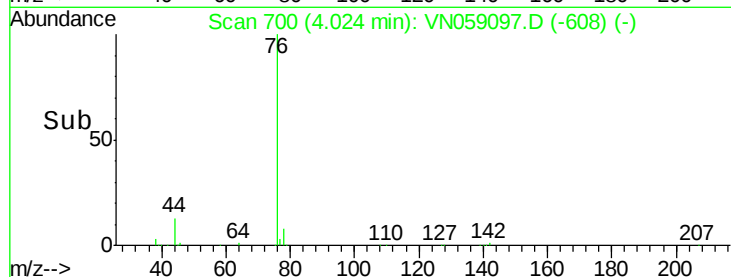
400000

200000

0

3.90 4.00 4.10 4.20 4.30

Time-->



#18

Methyl Acetate

Concen: 134.306 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059097.D

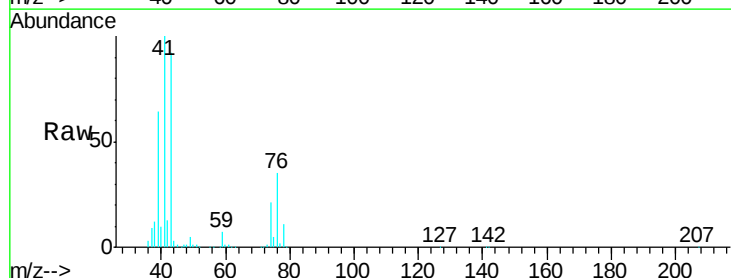
Acq: 6 Nov 2019 10:45

Tgt Ion: 43 Resp: 1217442

Ion Ratio Lower Upper

43 100

74 22.2 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN059097.D (-692) (-)

Ion 74.00 (73.70 to 74.70): VN059097.D (-692) (-)

4.29

500000

400000

300000

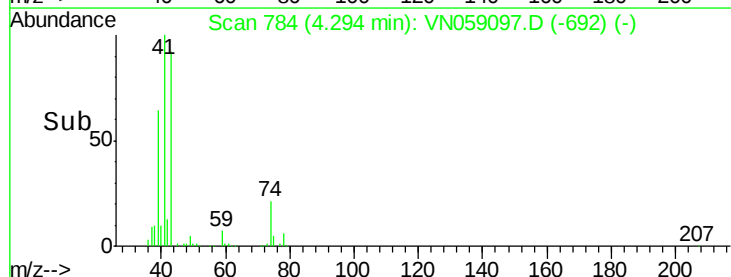
200000

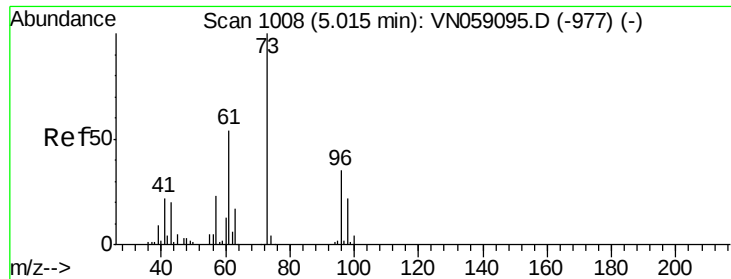
100000

0

4.10 4.20 4.30 4.40 4.50

Time-->





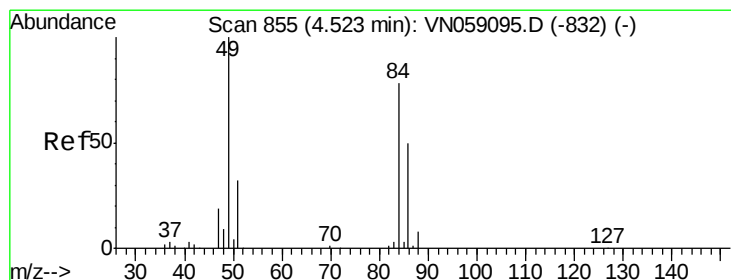
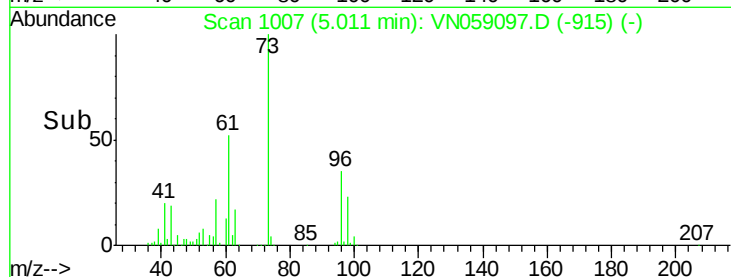
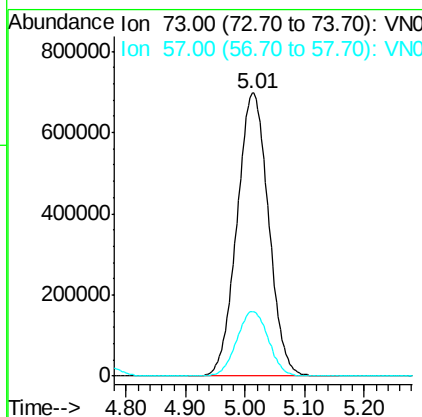
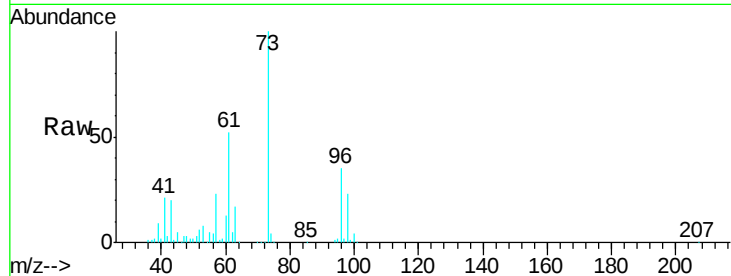
#19
Methyl tert-butyl Ether
Concen: 143.419 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 73 Resp: 2581034
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6

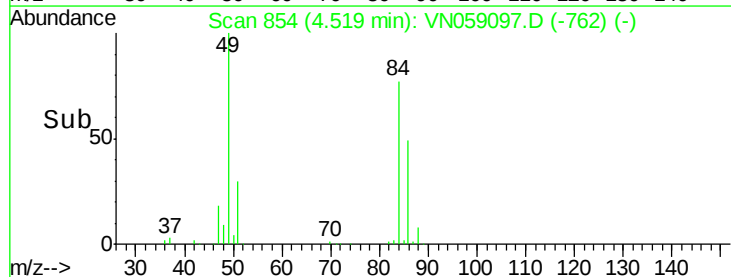
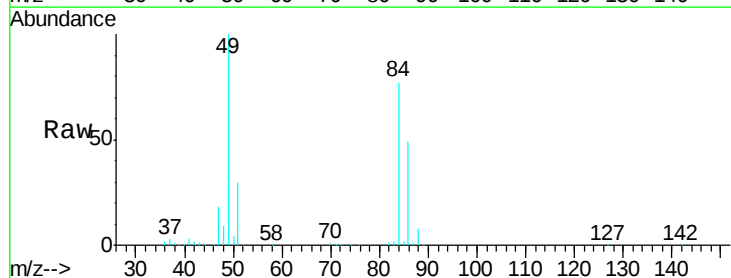
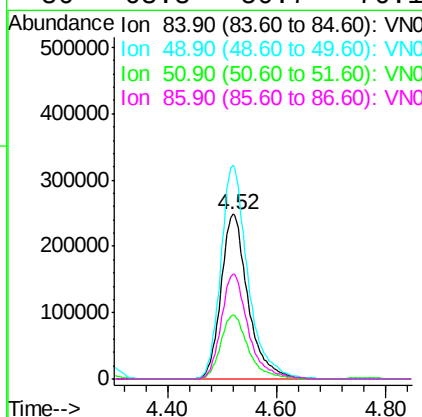
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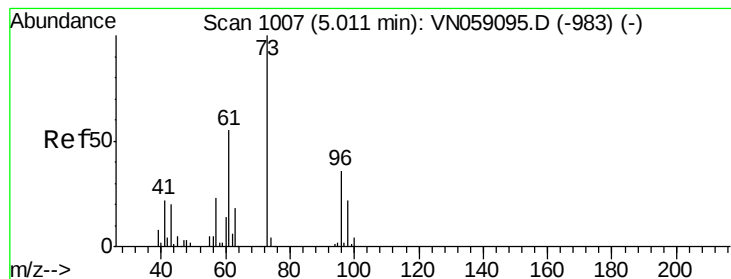
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#20
Methylene Chloride
Concen: 136.459 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Tgt Ion: 84 Resp: 854496
Ion Ratio Lower Upper
84 100
49 129.6 102.0 153.0
51 39.2 32.2 48.2
86 63.8 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 137.778 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 779487

Ion Ratio Lower Upper

96 100

61 151.5 122.6 183.8

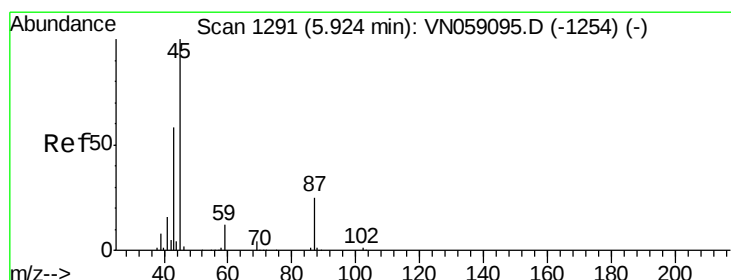
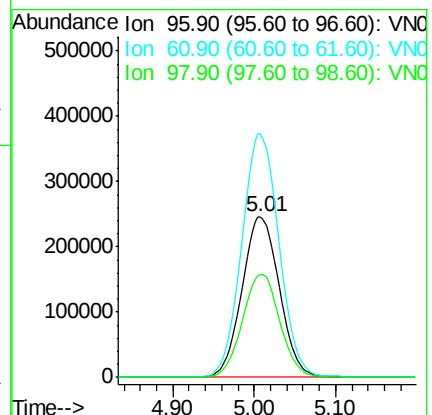
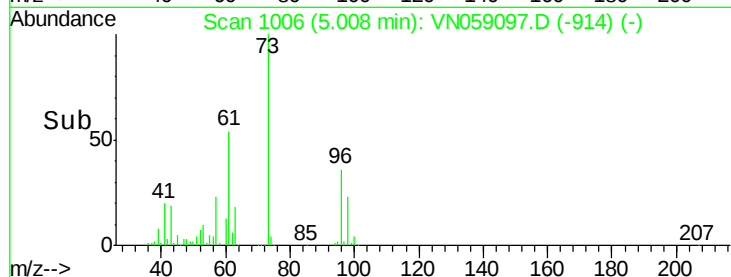
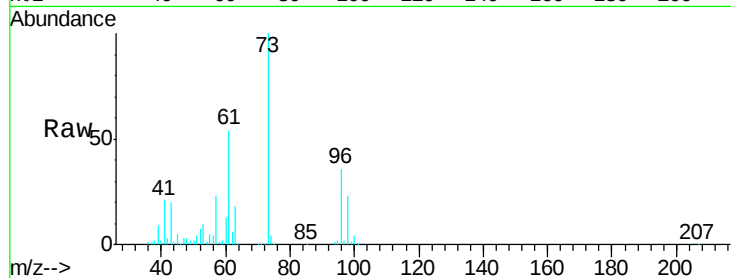
98 64.2 50.3 75.5

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#22

Diisopropyl ether

Concen: 145.411 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Tgt Ion: 45 Resp: 2898196

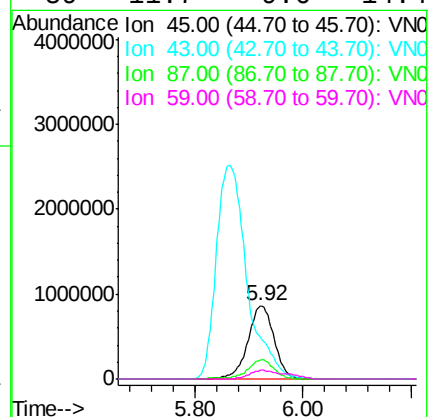
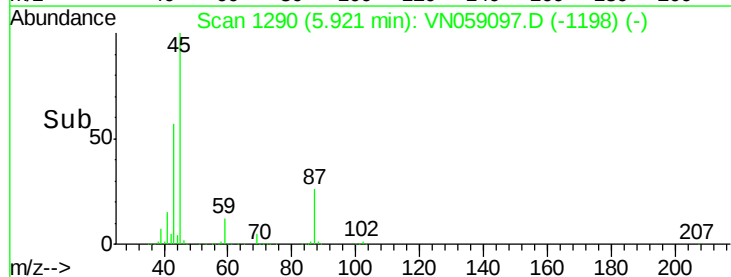
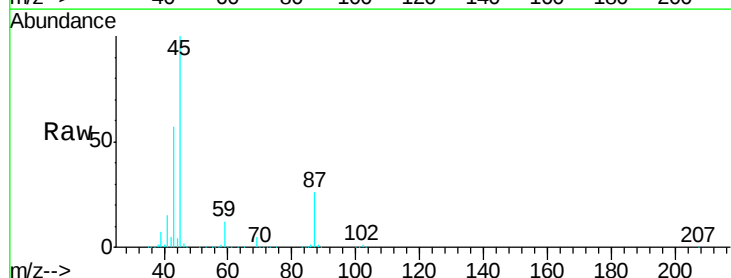
Ion Ratio Lower Upper

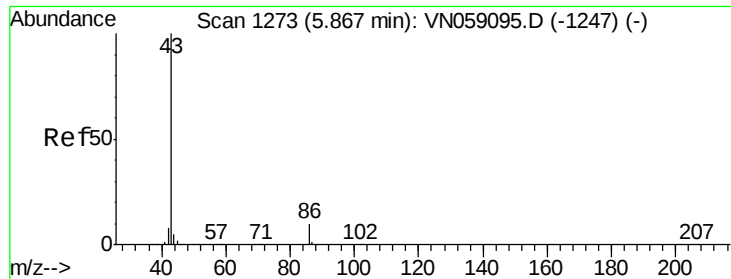
45 100

43 57.0 46.7 70.1

87 25.8 20.5 30.7

59 11.7 9.6 14.4





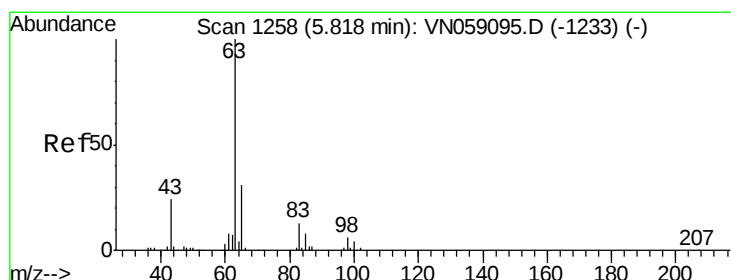
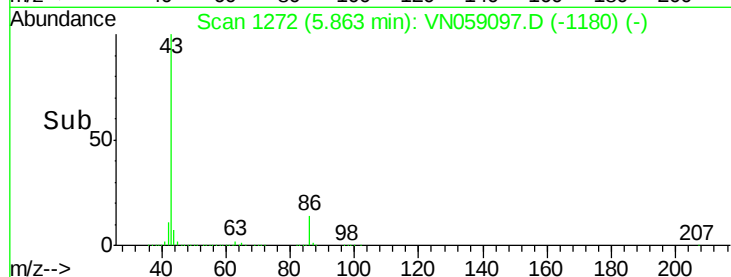
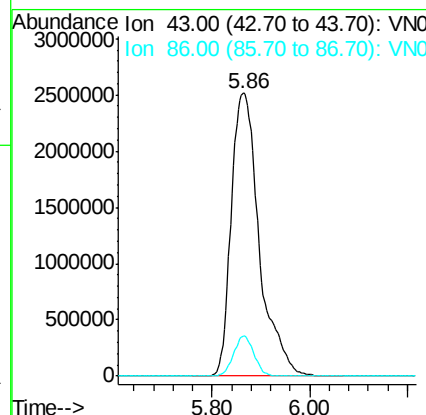
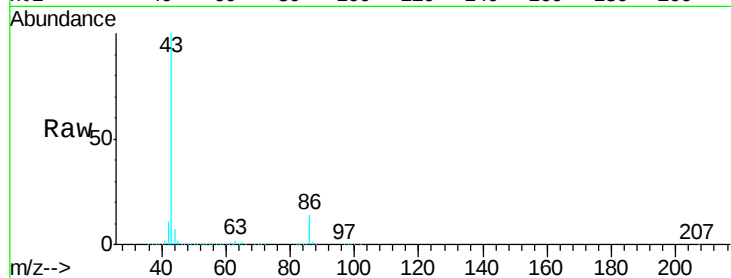
#23
 Vinyl Acetate
 Concen: 631.592 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VN059097.D
 Acq: 6 Nov 2019 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 43 Resp:10001540
 Ion Ratio Lower Upper
 43 100
 86 14.2 7.7 11.5#

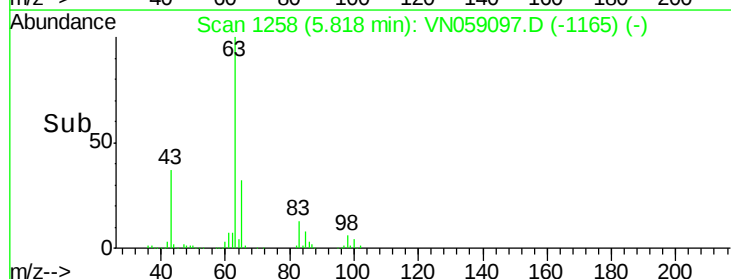
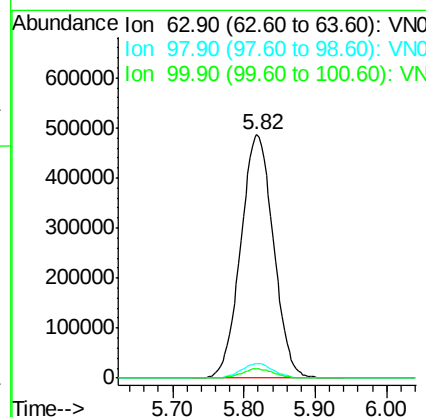
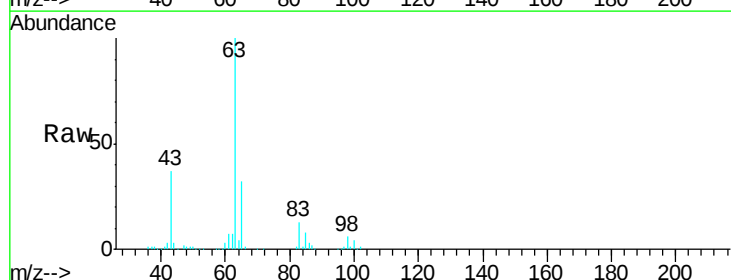
Manual Integrations
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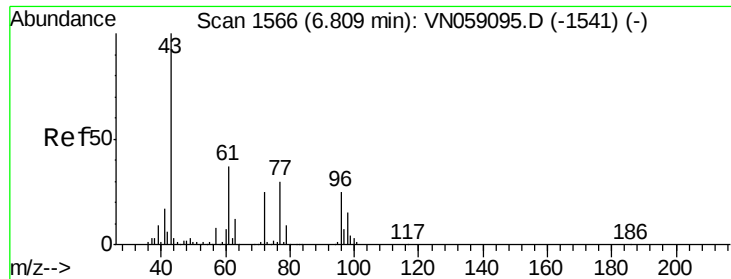
MMDadoda
 11/7/2019 9:16:19 AM



#24
 1,1-Dichloroethane
 Concen: 136.248 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059097.D
 Acq: 6 Nov 2019 10:45

Tgt Ion: 63 Resp: 1553751
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.8 8.4
 100 3.8 1.9 5.7





#25

2-Butanone

Concen: 729.593 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 3472370

Ion Ratio Lower Upper

43 100

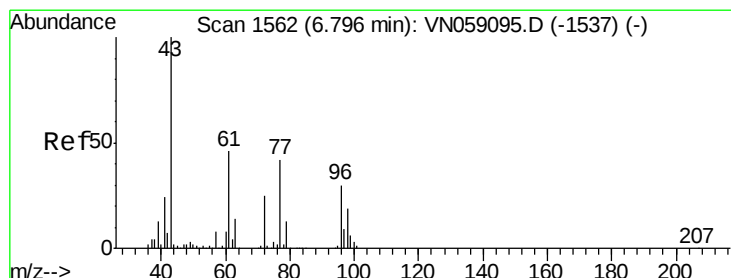
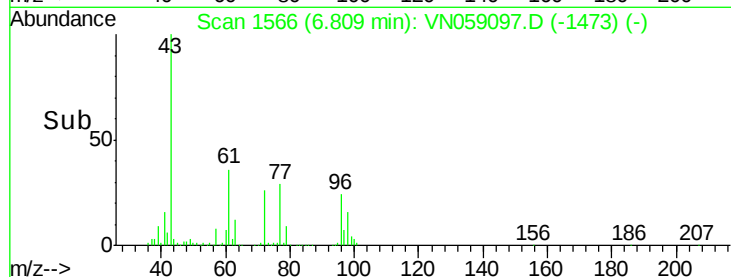
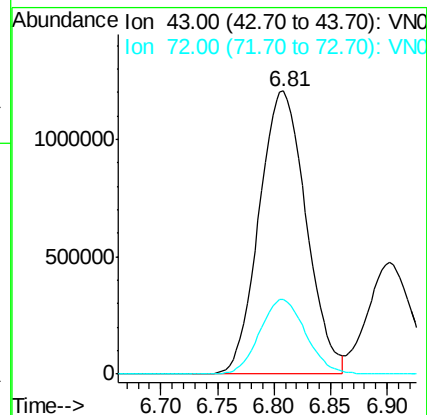
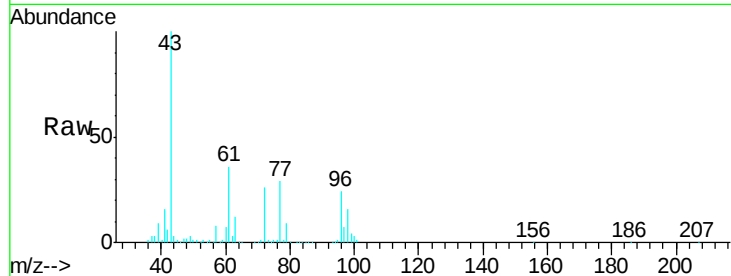
72 26.3 20.3 30.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 133.046 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059097.D

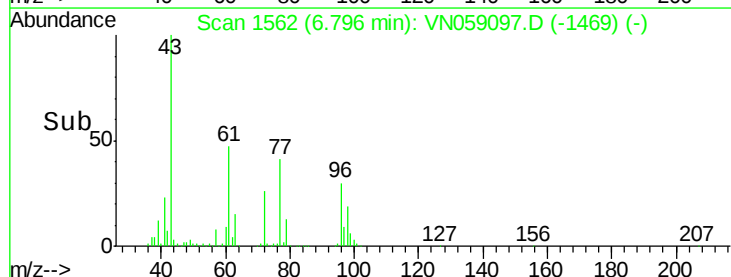
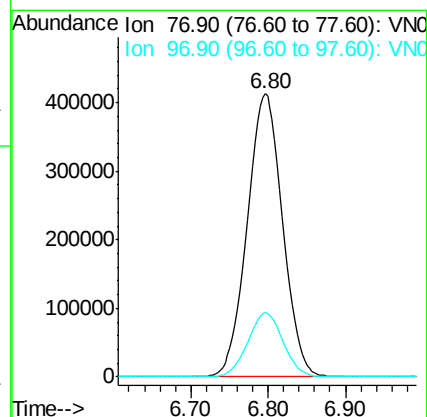
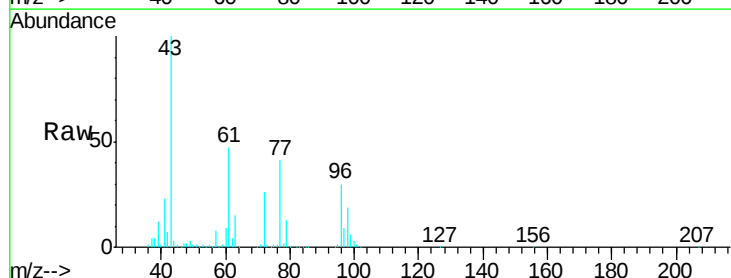
Acq: 6 Nov 2019 10:45

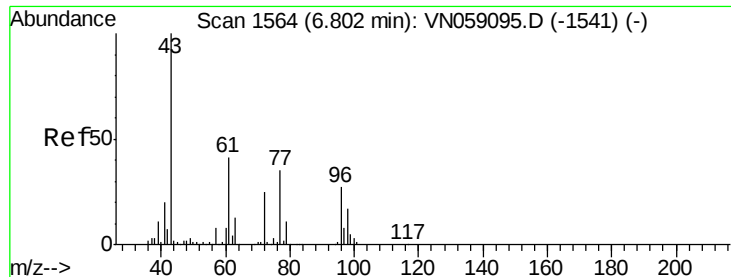
Tgt Ion: 77 Resp: 1314814

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 141.512 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

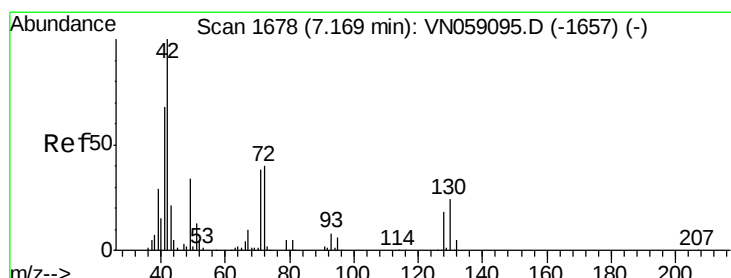
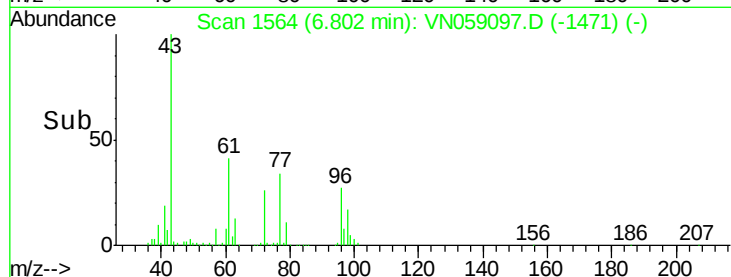
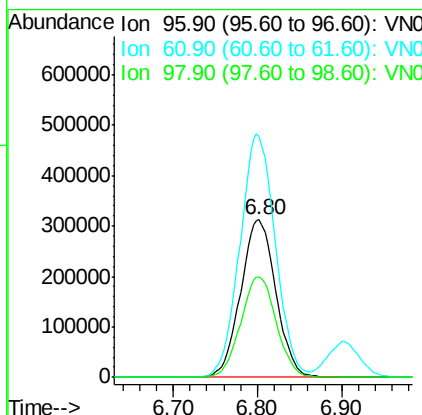
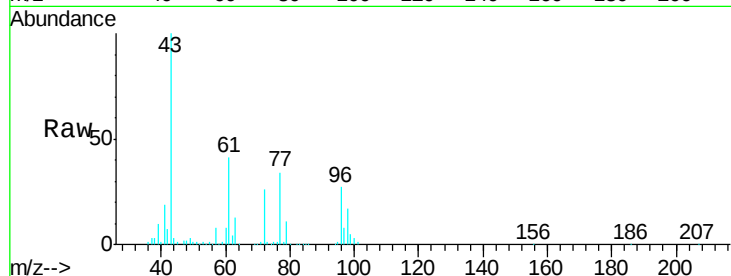
ClientSampleId :

VSTDIC150

Tgt Ion:	96	Resp:	904885
Ion	Ratio	Lower	Upper
96	100		
61	155.5	0.0	311.6
98	64.5	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 126.204 ug/l

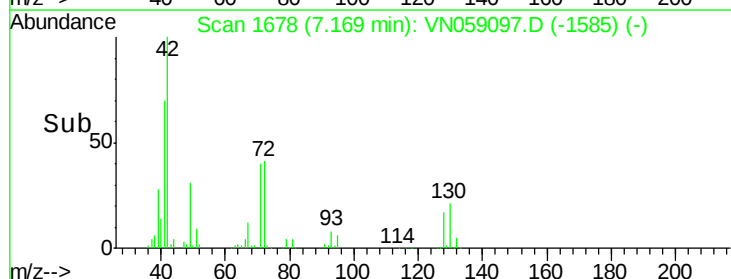
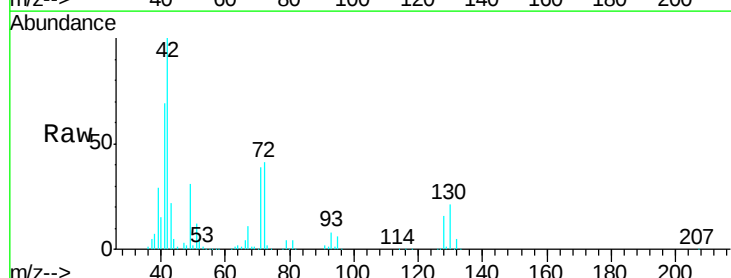
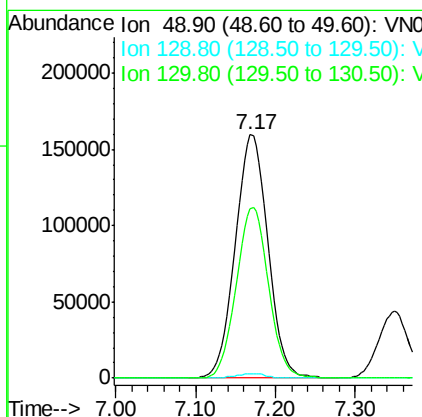
RT: 7.17 min Scan# 1678

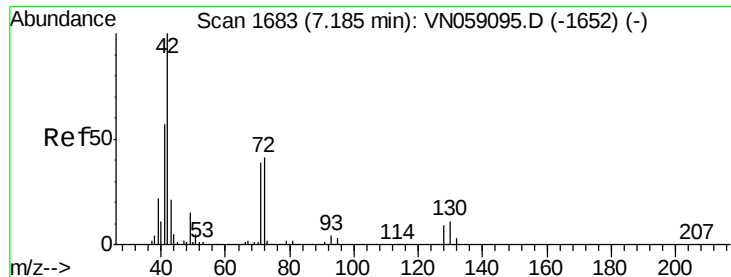
Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Tgt Ion:	49	Resp:	441197
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	69.3	55.6	83.4





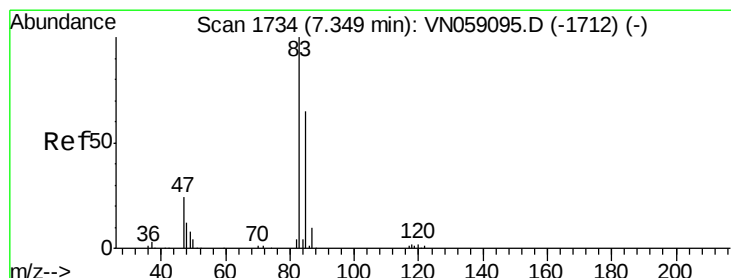
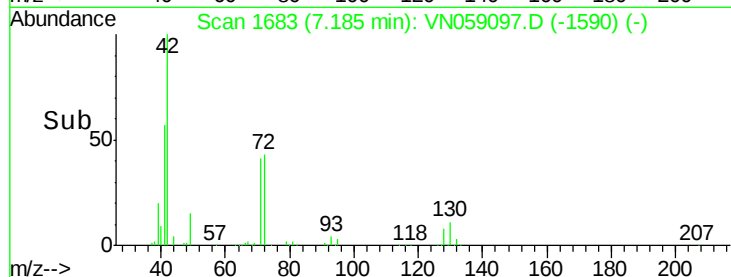
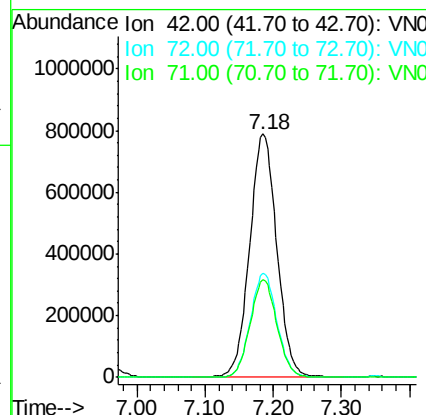
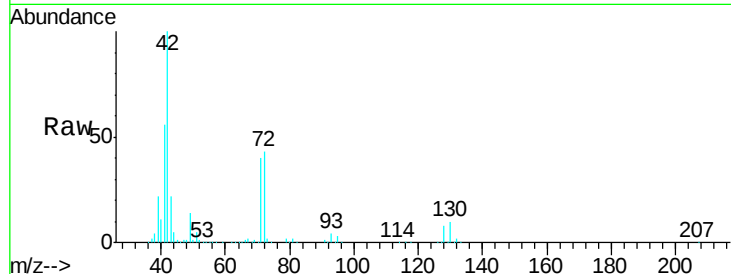
#29
Tetrahydrofuran
Concen: 726.569 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 42 Resp: 2180476
Ion Ratio Lower Upper
42 100
72 41.8 33.1 49.7
71 39.4 30.9 46.3

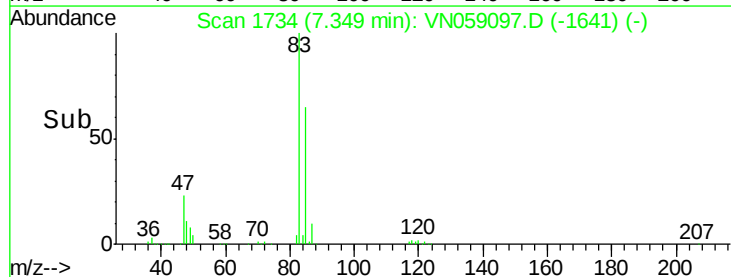
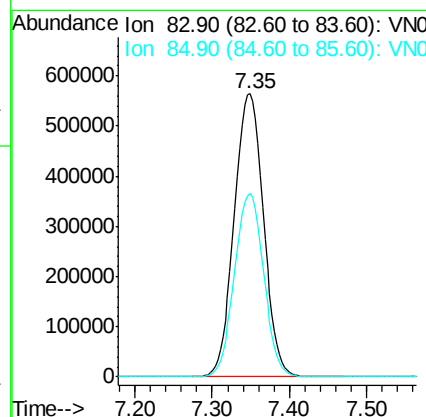
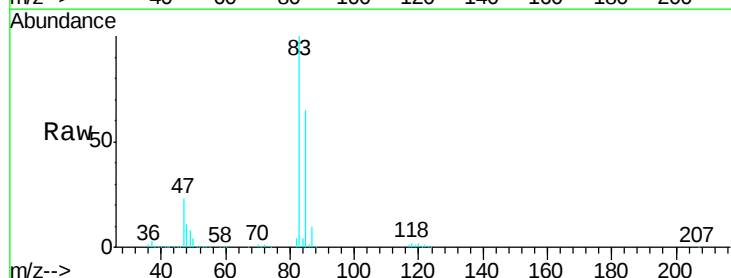
Manual Integrations
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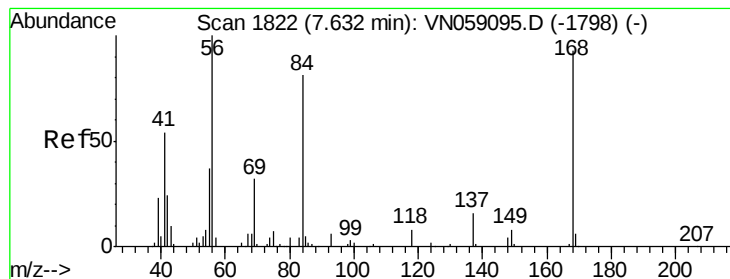
MMDadoda
11/7/2019 9:16:19 AM



#30
Chloroform
Concen: 136.014 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Tgt Ion: 83 Resp: 1482436
Ion Ratio Lower Upper
83 100
85 64.6 51.8 77.8





#31

Cyclohexane

Concen: 134.985 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 1461995

Ion Ratio Lower Upper

56 100

69 30.4 25.8 38.8

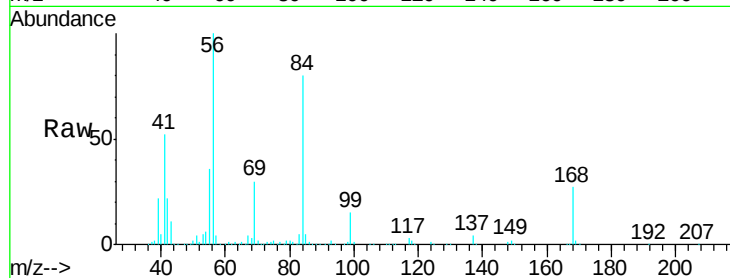
84 78.8 65.0 97.4

Manual Integrations

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MMDadoda

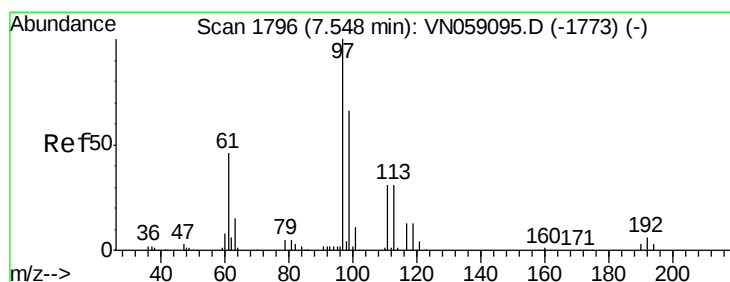
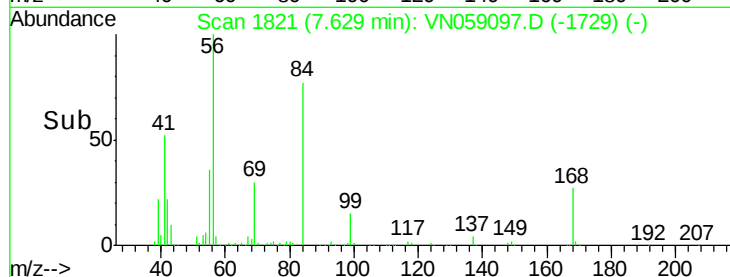
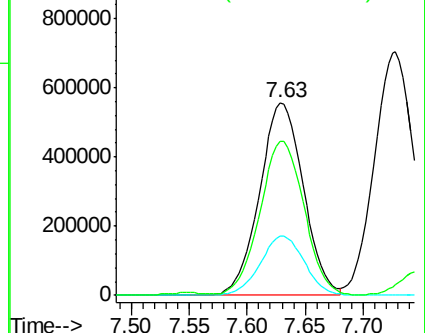
11/7/2019 9:16:19 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 139.088 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

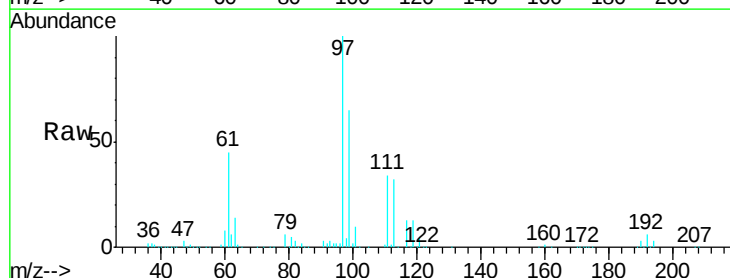
Tgt Ion: 97 Resp: 1282300

Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.6

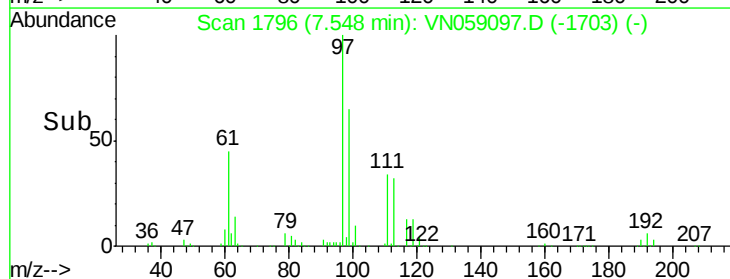
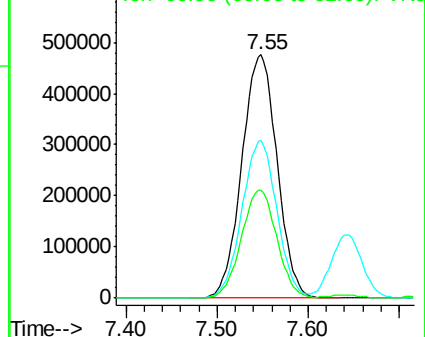
61 44.5 35.8 53.8



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





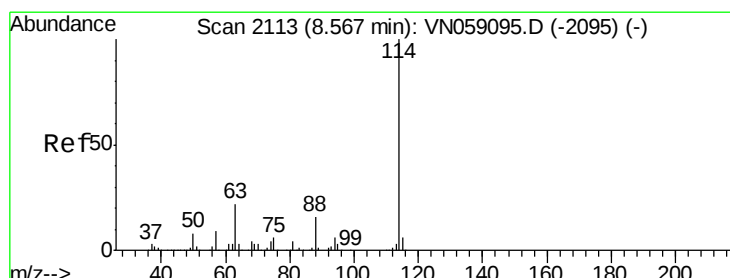
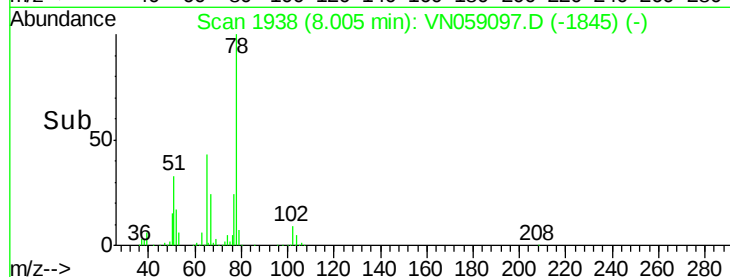
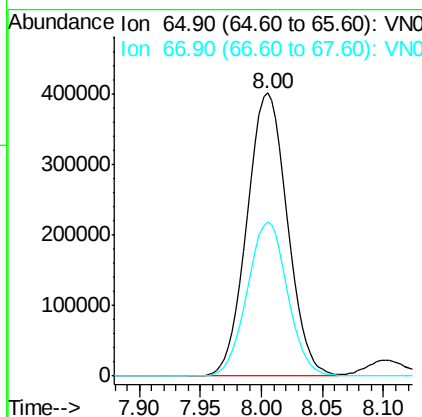
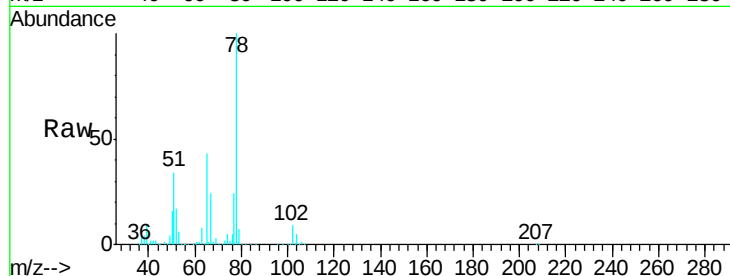
#33
 1,2-Dichloroethane-d4
 Concen: 133.127 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059097.D
 Acq: 6 Nov 2019 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	921801		
67	54.3	0.0	107.4	

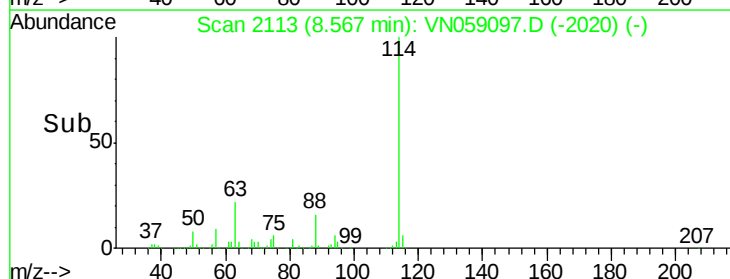
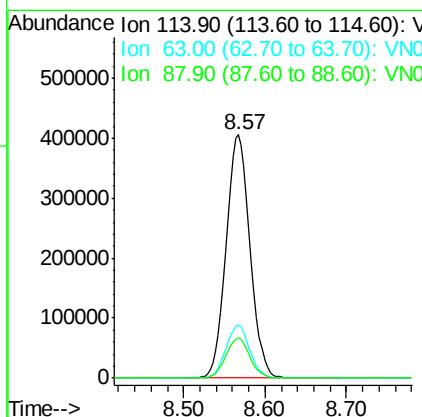
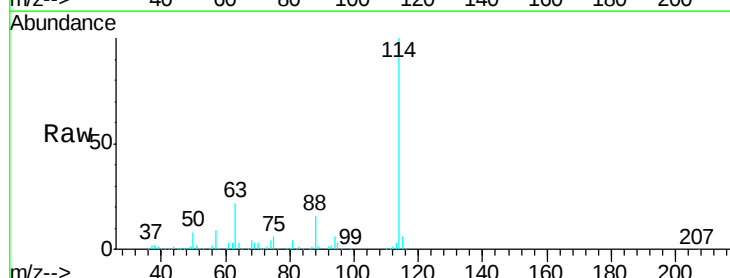
Manual Integrations
 APPROVED

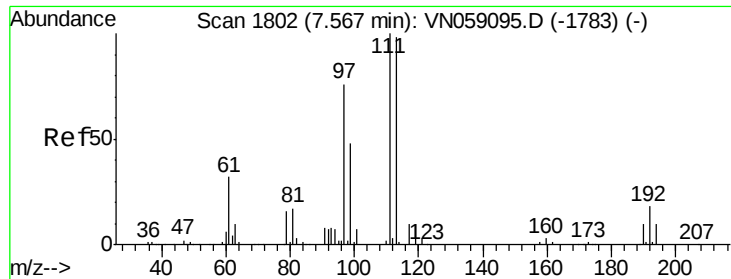
MMDadoda
 11/7/2019 9:16:19 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059097.D
 Acq: 6 Nov 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	838450		
63	21.8	0.0	43.4	
88	16.3	0.0	32.2	





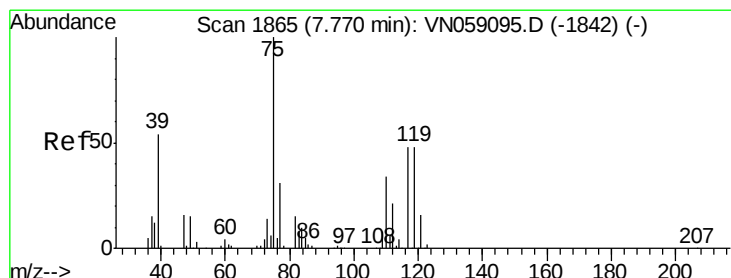
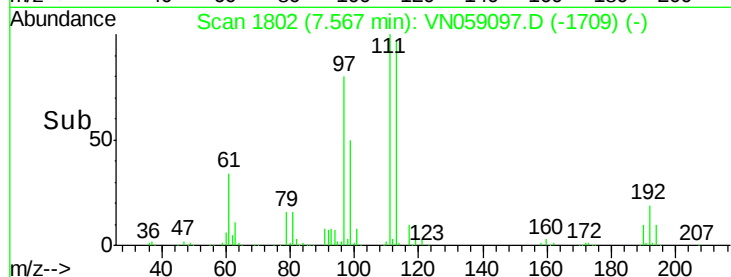
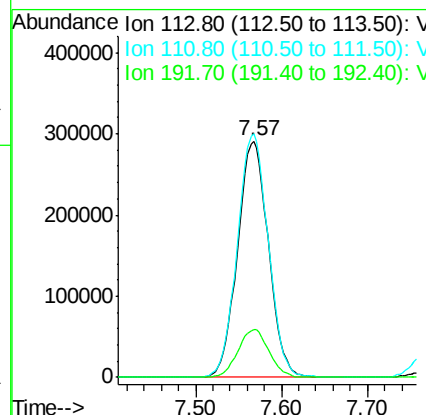
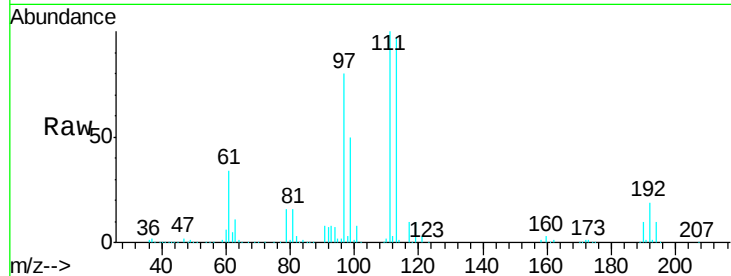
#35
Dibromofluoromethane
Concen: 136.789 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	724961		
111	103.4	82.8	124.2	
192	20.3	16.1	24.1	

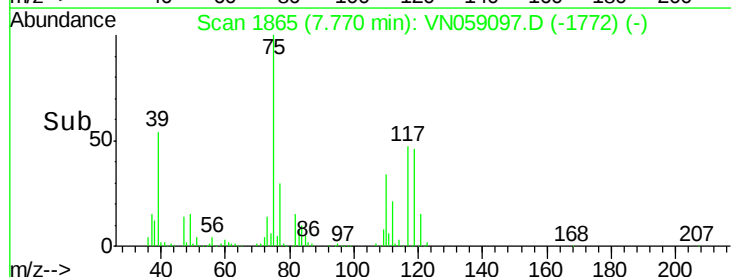
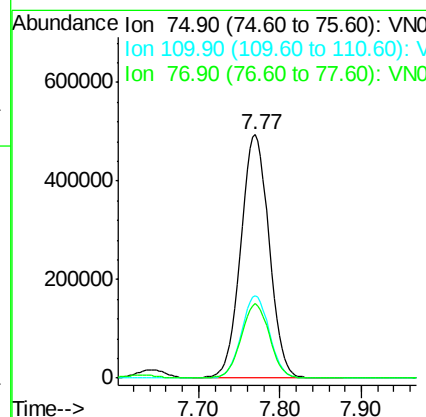
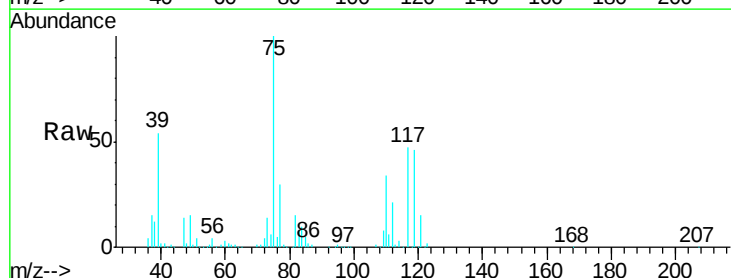
Manual Integrations
APPROVED

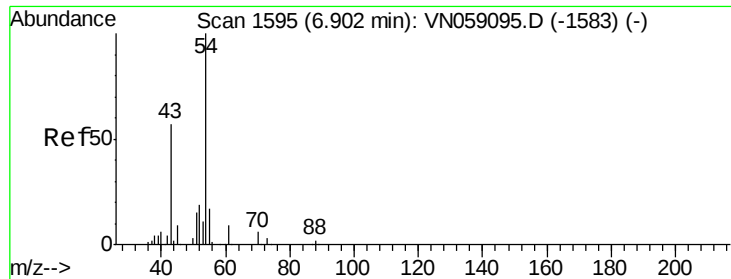
MMDadoda
11/7/2019 9:16:19 AM



#36
1,1-Dichloropropene
Concen: 143.152 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1186994		
110	33.4	17.1	51.2	
77	30.5	24.8	37.2	





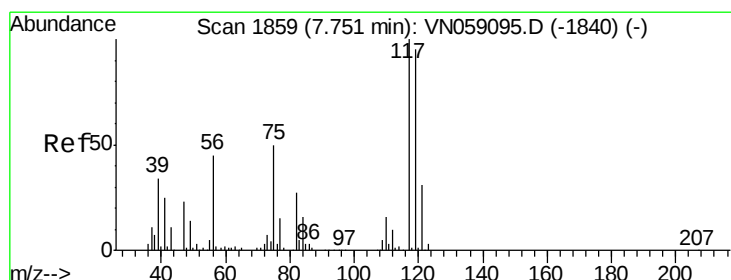
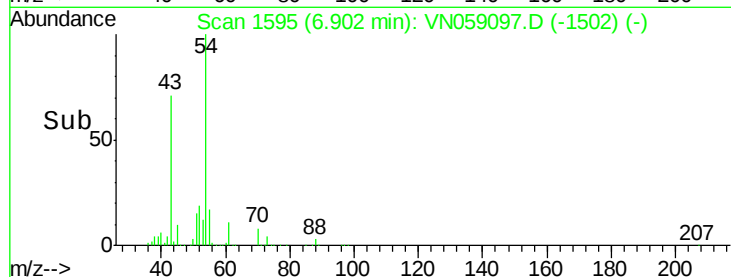
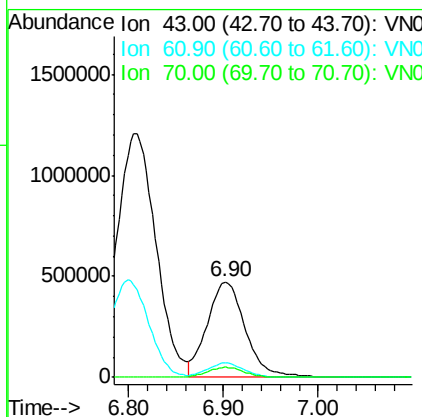
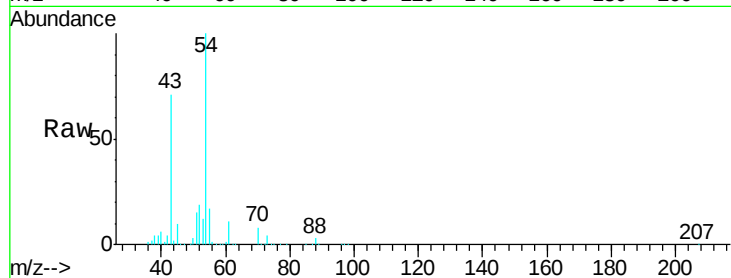
#37
Ethyl Acetate
Concen: 141.953 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 1309619
Ion Ratio Lower Upper
43 100
61 14.5 11.2 16.8
70 10.4 7.8 11.8

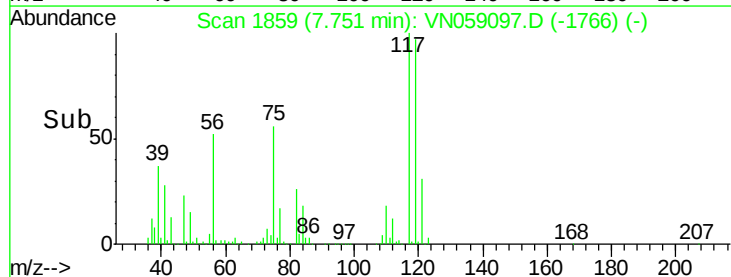
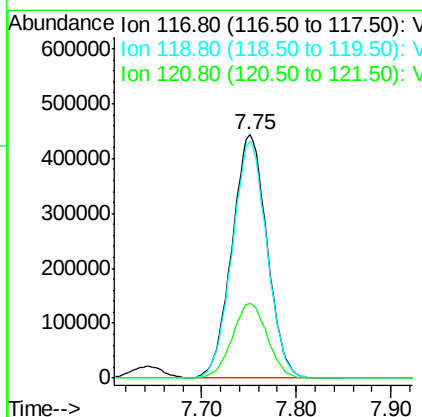
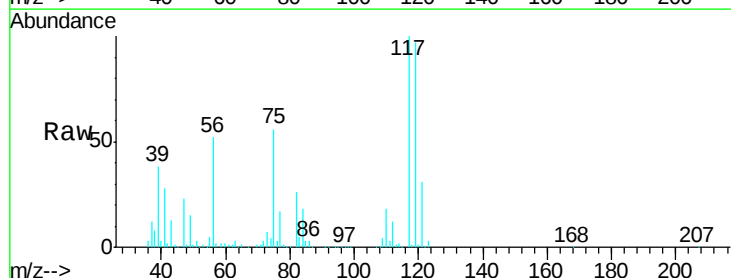
Manual Integrations
APPROVED

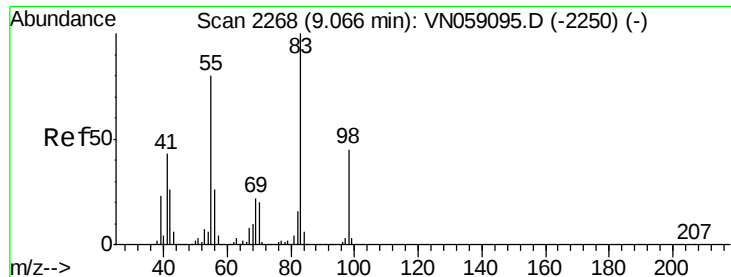
MMDadoda
11/7/2019 9:16:19 AM



#38
Carbon Tetrachloride
Concen: 140.339 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Tgt Ion: 117 Resp: 1135283
Ion Ratio Lower Upper
117 100
119 97.2 75.6 113.4
121 30.9 24.6 36.8





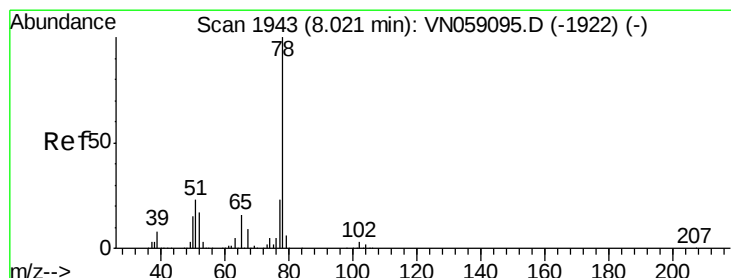
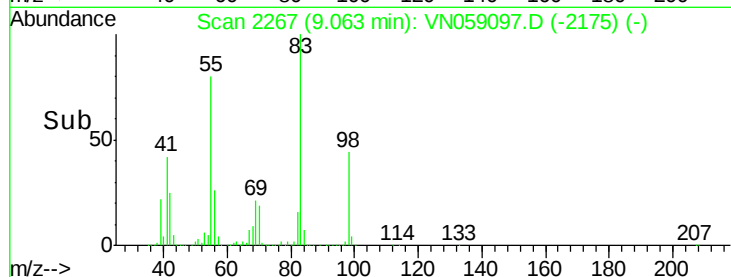
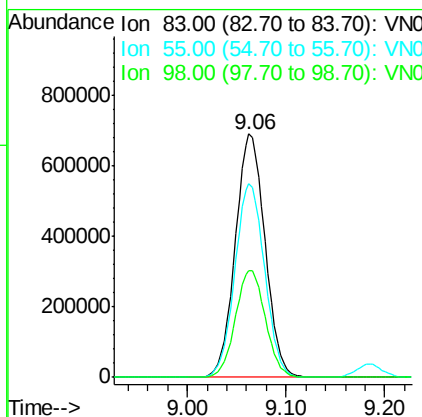
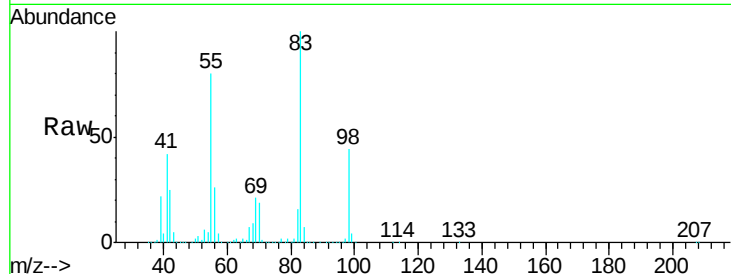
#39
Methylcyclohexane
Concen: 151.005 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 1443083
Ion Ratio Lower Upper
83 100
55 79.8 63.9 95.9
98 44.0 35.6 53.4

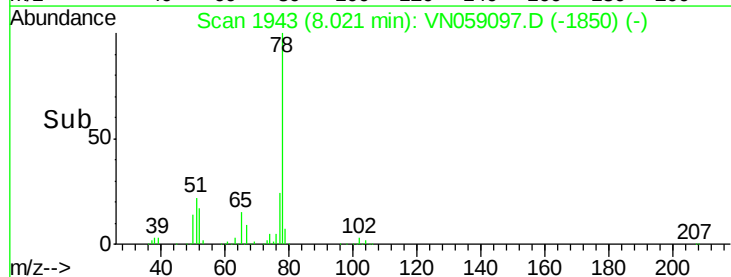
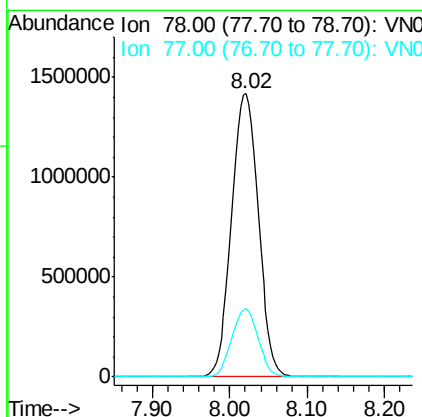
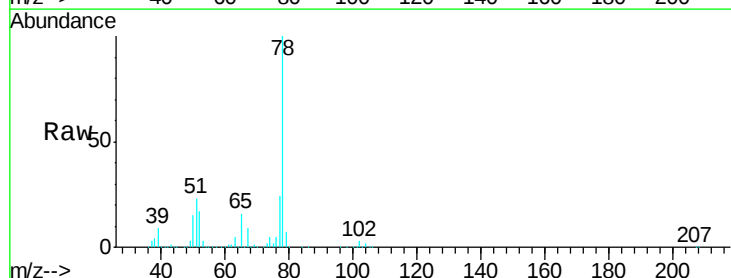
Manual Integrations
APPROVED

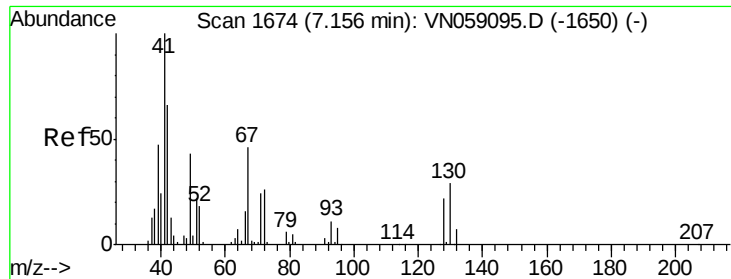
MMDadoda
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#40
Benzene
Concen: 138.145 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Tgt Ion: 78 Resp: 3408303
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2





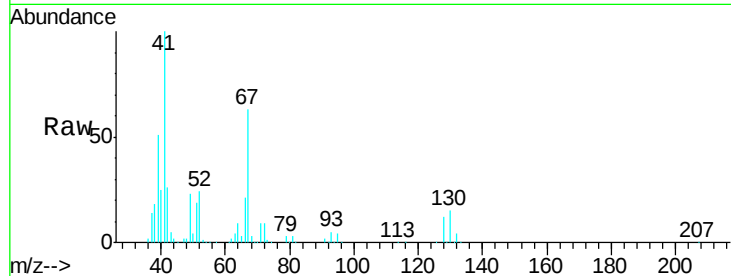
#41
Methacrylonitrile
Concen: 147.283 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt 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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MMDadoda
11/7/2019 9:16:19 AM

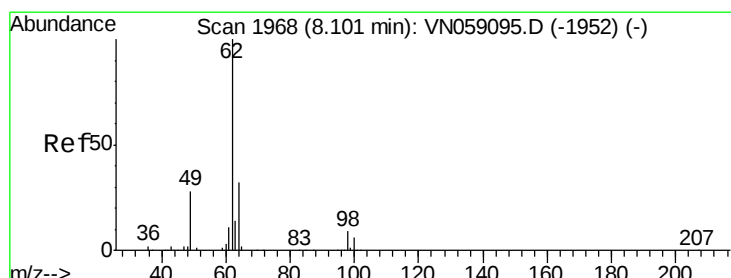
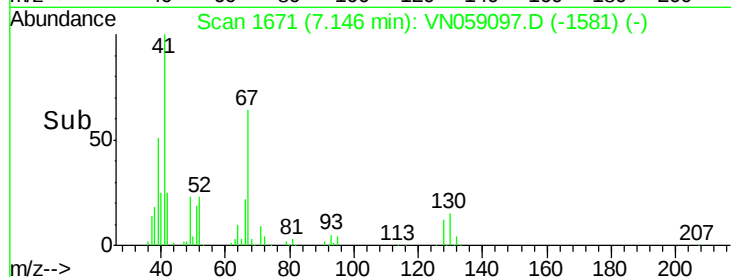
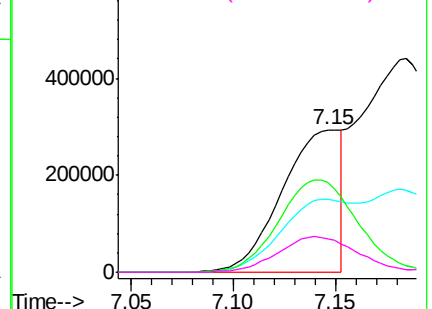


Abundance Ion 41.00 (40.70 to 41.70): VN059095.D (-1650) (-)

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

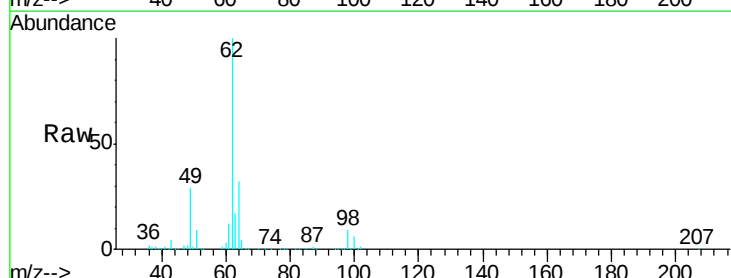
Ion 67.00 (66.70 to 67.70): VN059095.D (-1650) (-)

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



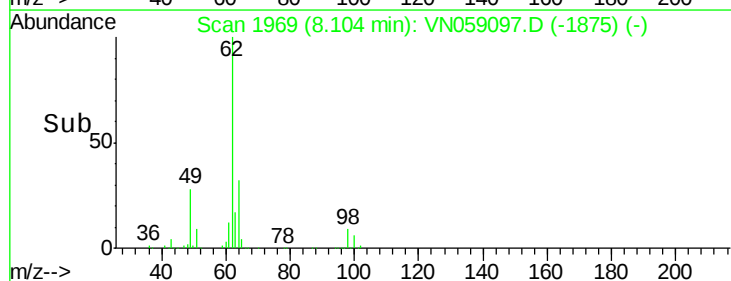
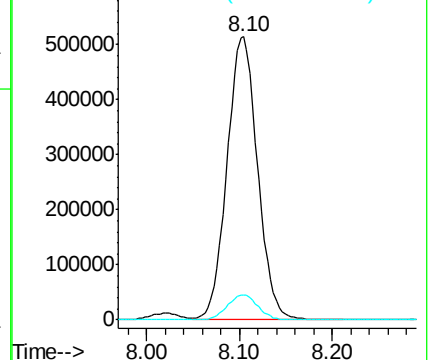
#42
1,2-Dichloroethane
Concen: 136.675 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

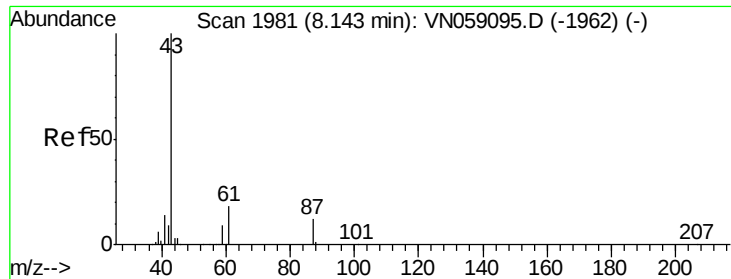
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8



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

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





#43

Isopropyl Acetate

Concen: 149.361 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

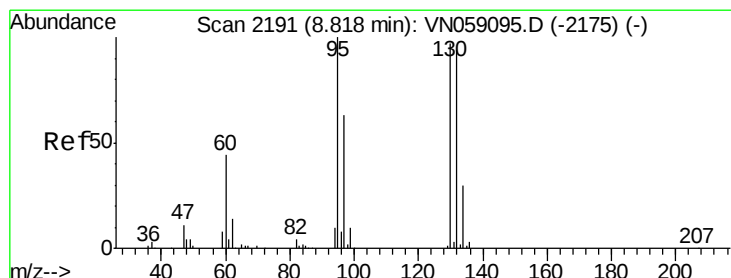
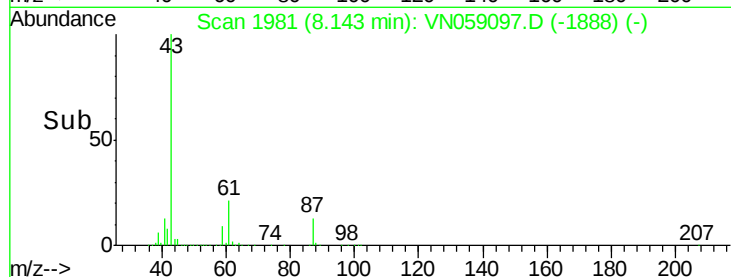
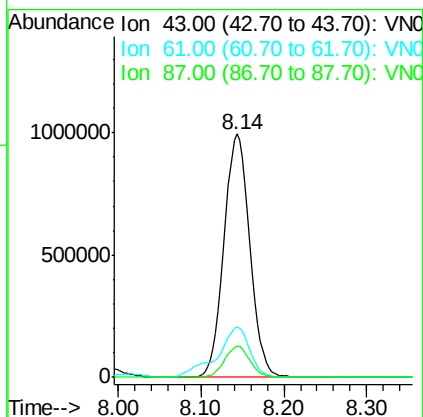
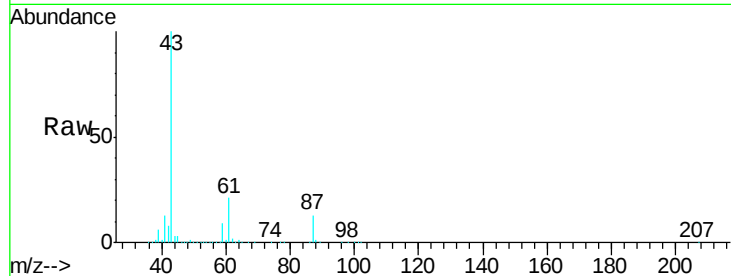
ClientSampleId :

VSTDIC150

Tgt Ion:	43	Resp:	2150127
Ion	Ratio	Lower	Upper
43	100		
61	26.1	21.0	31.6
87	12.7	9.8	14.6

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#44

Trichloroethene

Concen: 140.488 ug/l

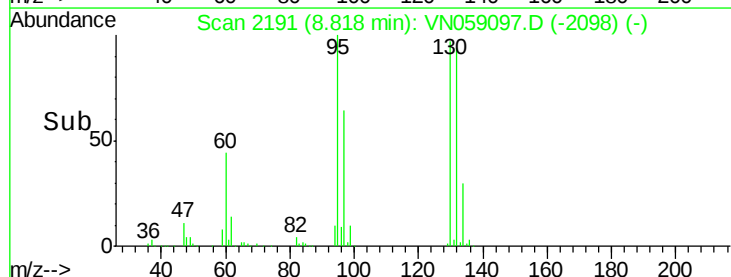
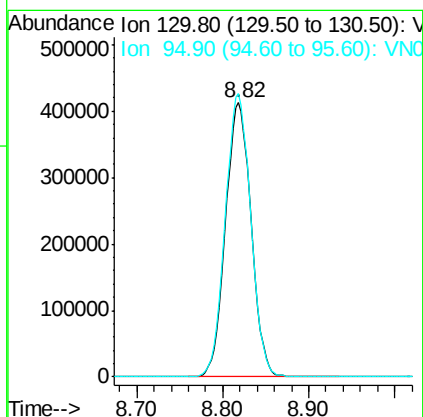
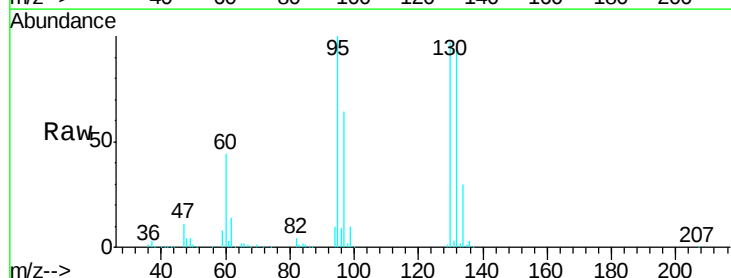
RT: 8.82 min Scan# 2191

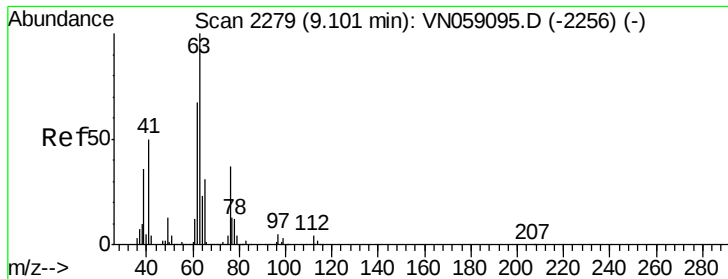
Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Tgt Ion:	130	Resp:	853786
Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	206.4





#45

1,2-Dichloropropane

Concen: 143.304 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

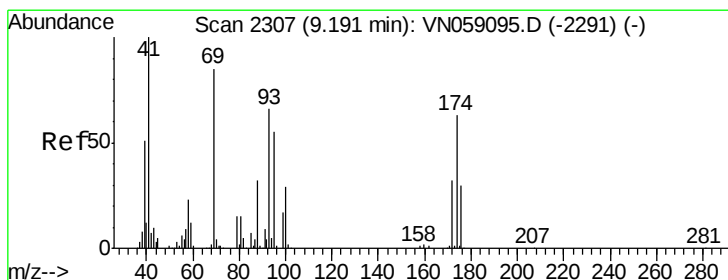
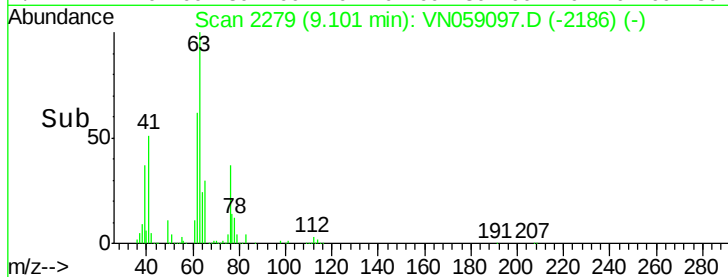
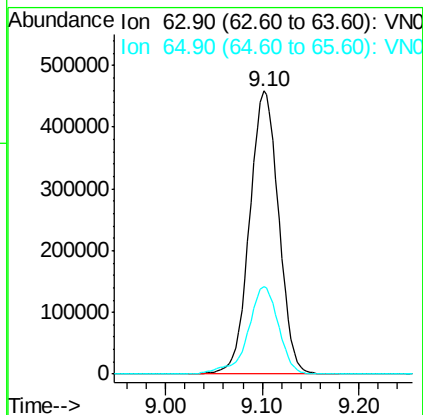
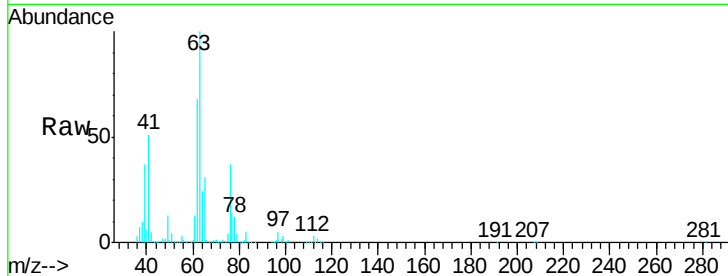
Tgt Ion: 63 Resp: 957132
Ion Ratio Lower Upper

63 100

65 31.1 24.6 37.0

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#46

Dibromomethane

Concen: 140.921 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059097.D

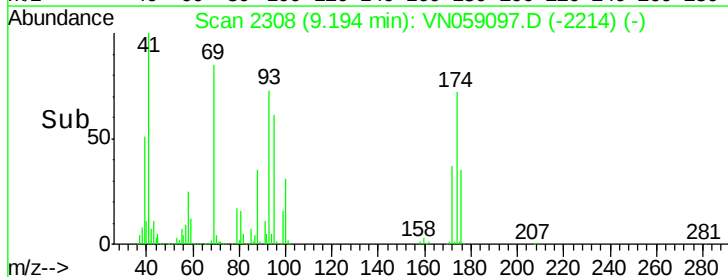
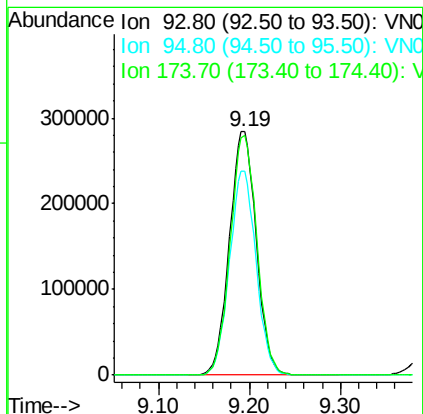
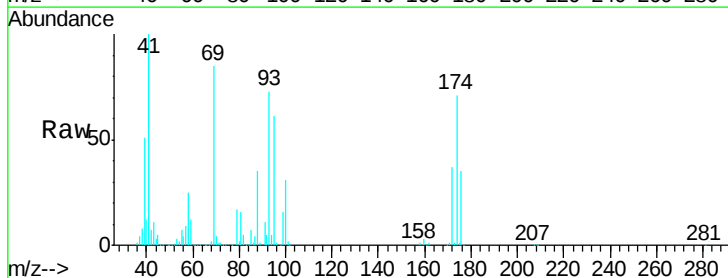
Acq: 6 Nov 2019 10:45

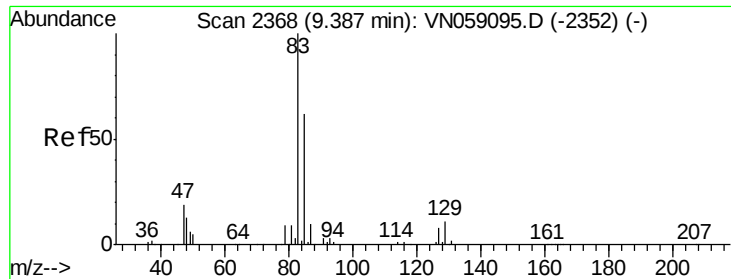
Tgt Ion: 93 Resp: 580990
Ion Ratio Lower Upper

93 100

95 83.5 66.6 100.0

174 98.0 78.2 117.2





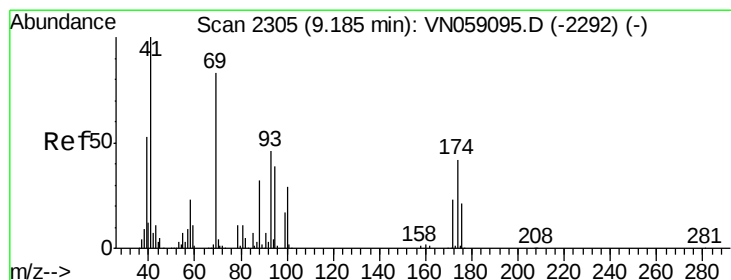
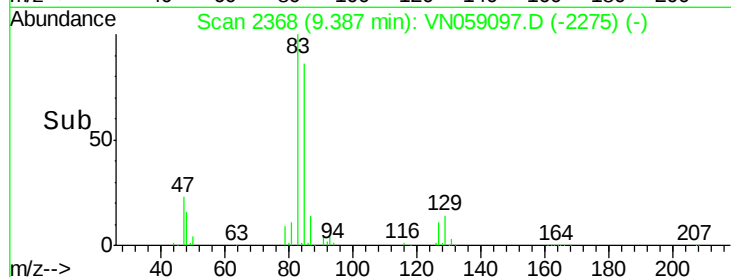
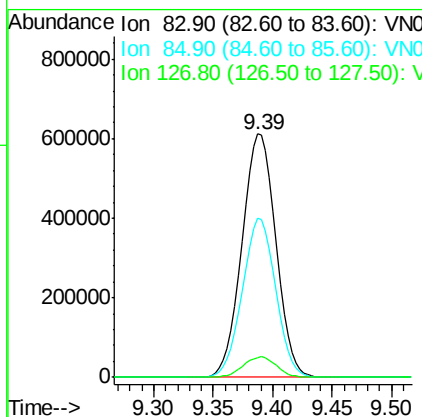
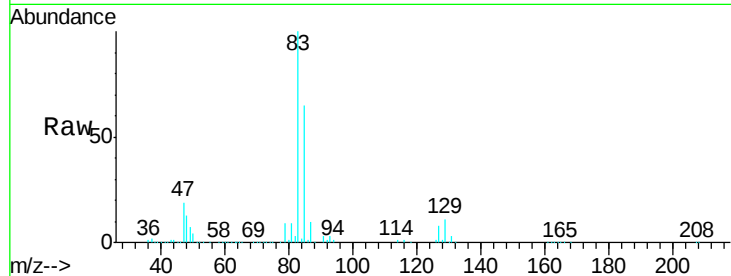
#47
Bromodichloromethane
Concen: 144.570 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 1209374
Ion Ratio Lower Upper
83 100
85 65.1 49.7 74.5
127 8.3 6.4 9.6

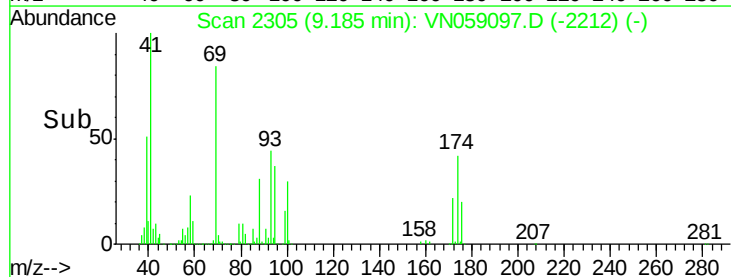
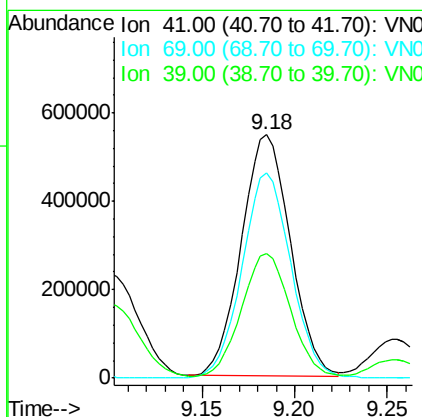
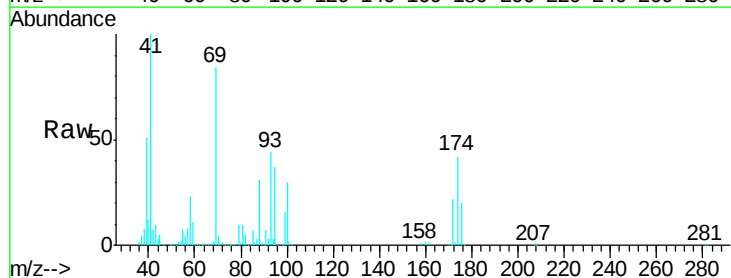
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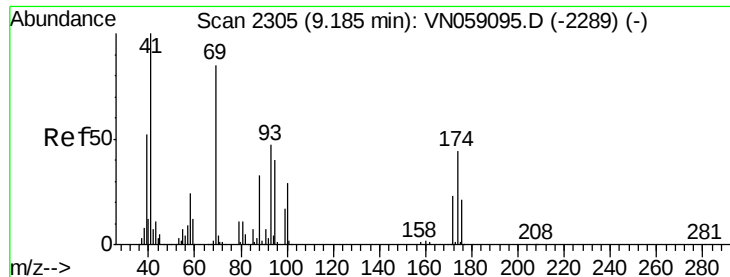
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#48
Methyl methacrylate
Concen: 152.908 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Tgt Ion: 41 Resp: 1004209
Ion Ratio Lower Upper
41 100
69 85.0 67.3 100.9
39 52.0 43.3 64.9





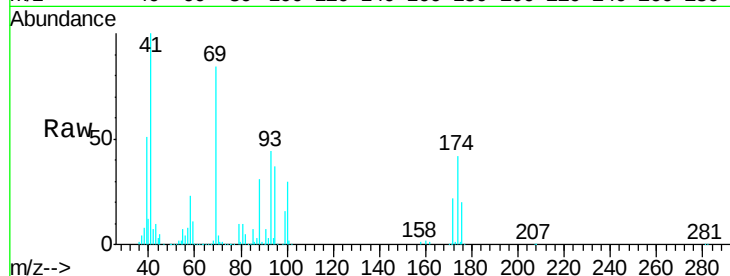
#49
1,4-Dioxane
Concen: 3405.871 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

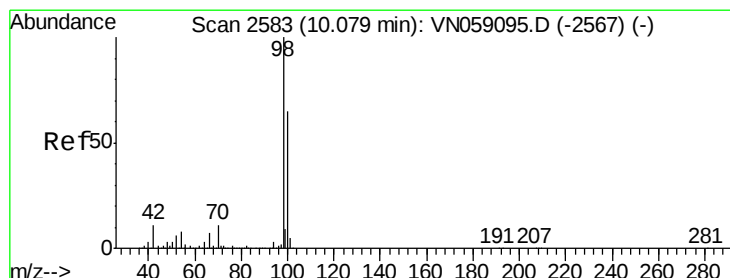
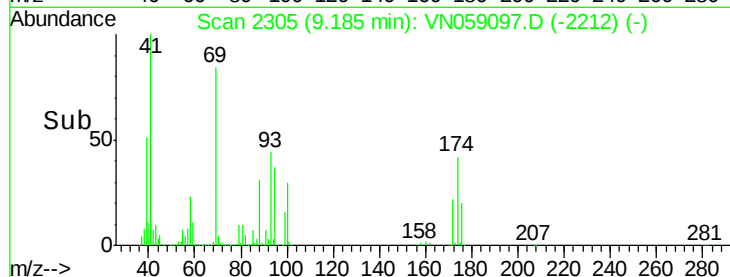
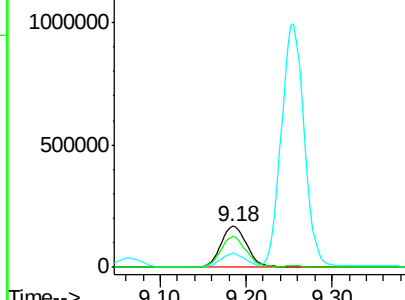
Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.0	26.3	39.5
58	72.1	60.6	90.8

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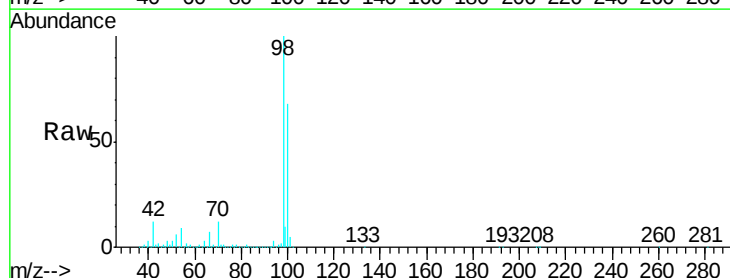


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

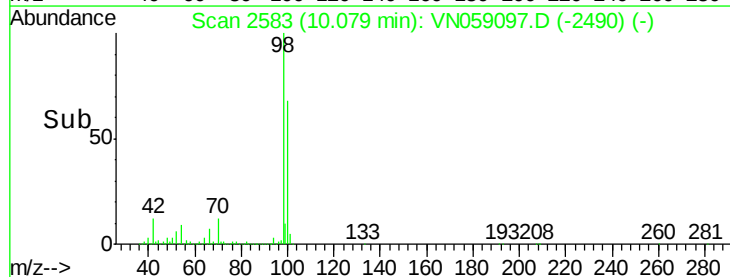
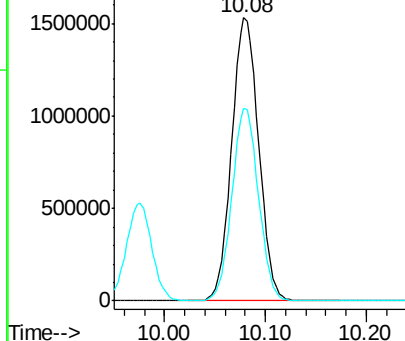


#50
Toluene-d8
Concen: 138.356 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	52.2	78.2



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





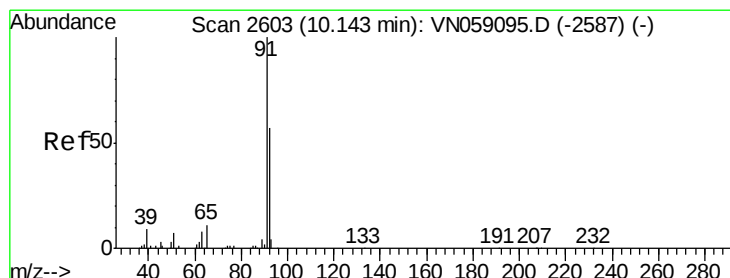
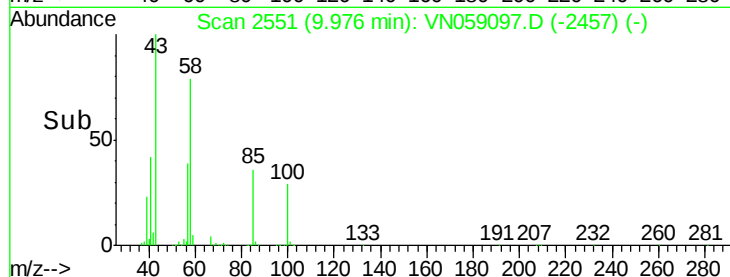
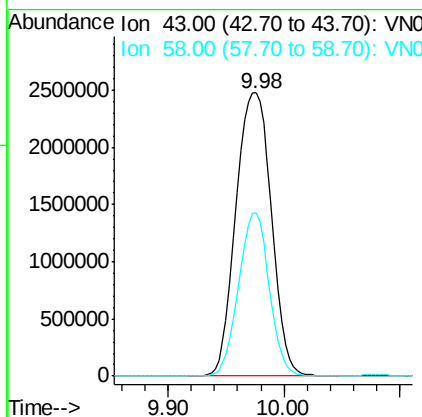
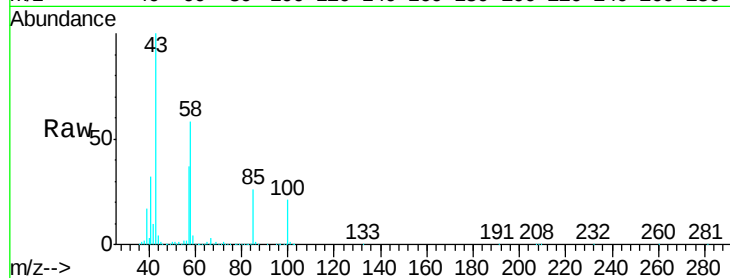
#51
4-Methyl-2-Pentanone
Concen: 627.198 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 5260210
Ion Ratio Lower Upper
43 100
58 49.8 31.5 47.3#

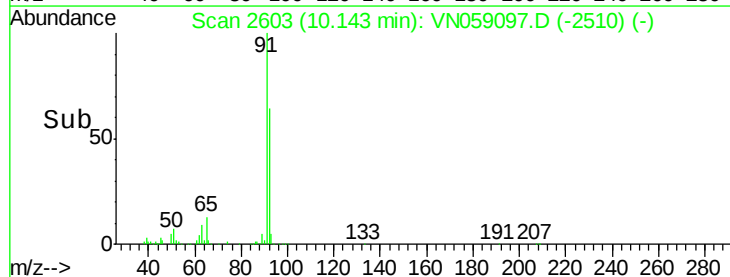
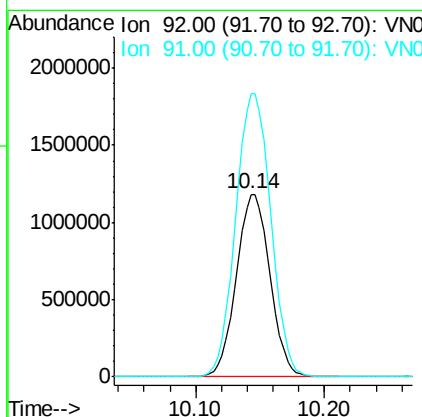
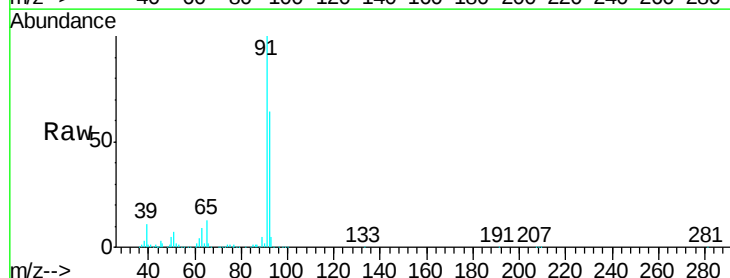
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#52
Toluene
Concen: 148.388 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Tgt Ion: 92 Resp: 2141498
Ion Ratio Lower Upper
92 100
91 162.6 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 150.769 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 1454344

Ion Ratio Lower Upper

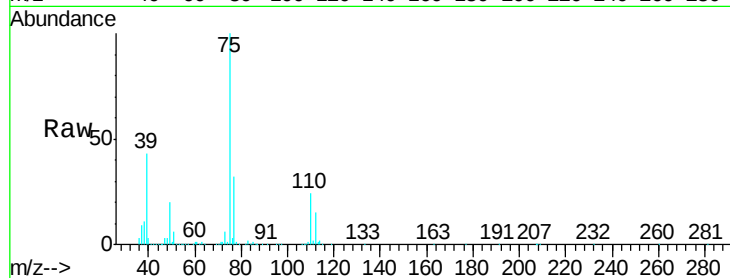
75 100

77 32.2 25.3 37.9

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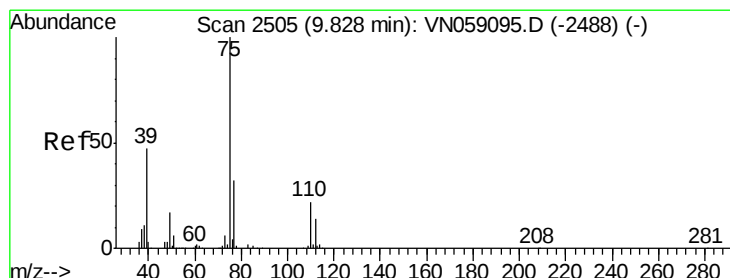
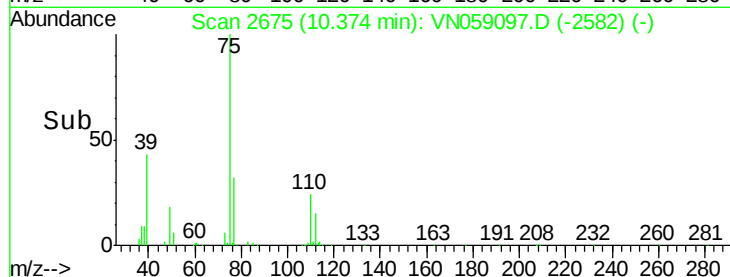
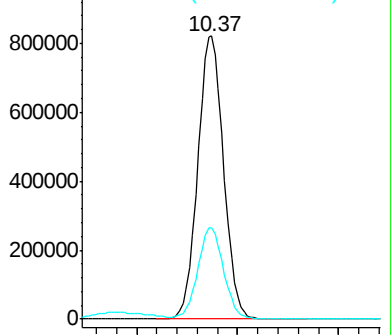
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 151.303 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

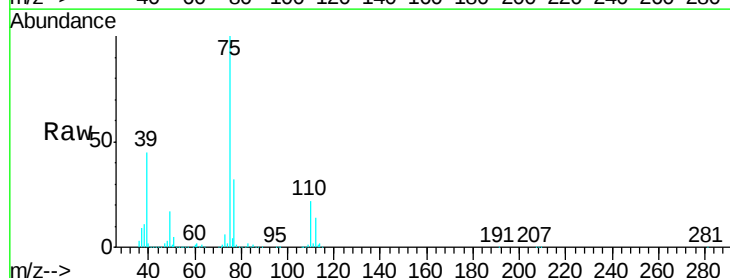
Tgt Ion: 75 Resp: 1537968

Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

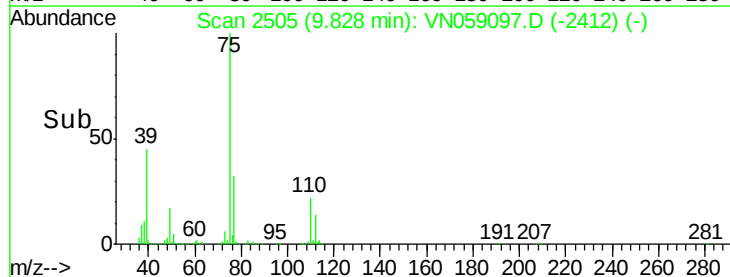
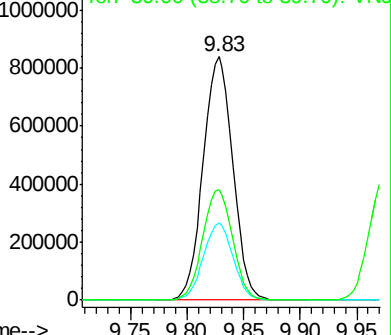
39 45.4 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





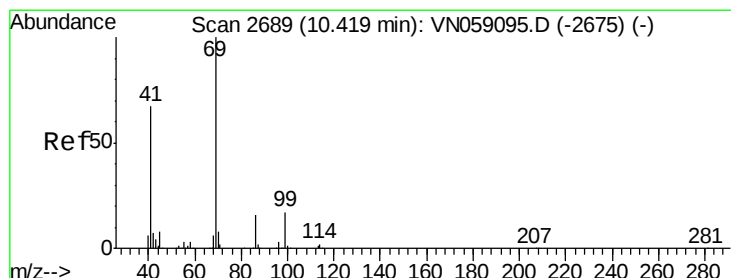
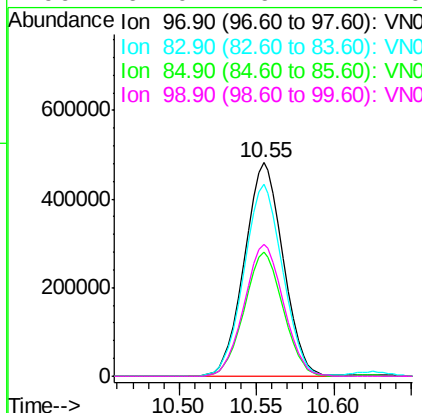
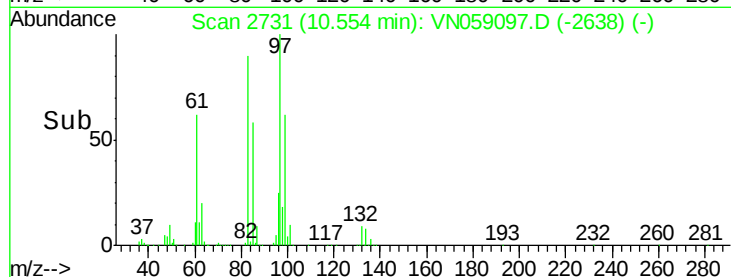
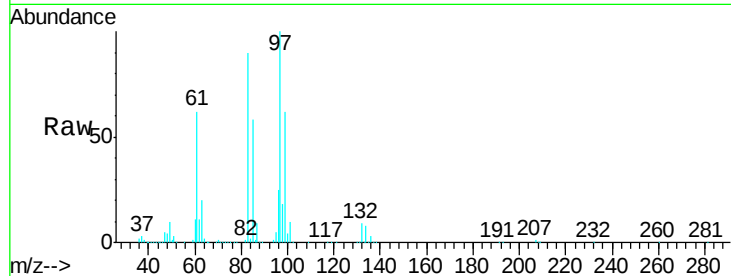
#55
 1,1,2-Trichloroethane
 Concen: 142.549 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059097.D
 Acq: 6 Nov 2019 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.7	71.0	106.4
85	58.3	45.8	68.8
99	62.0	49.4	74.0

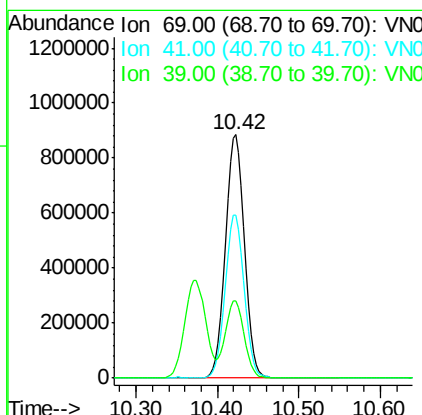
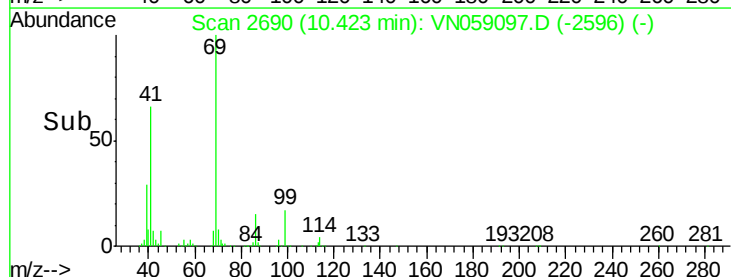
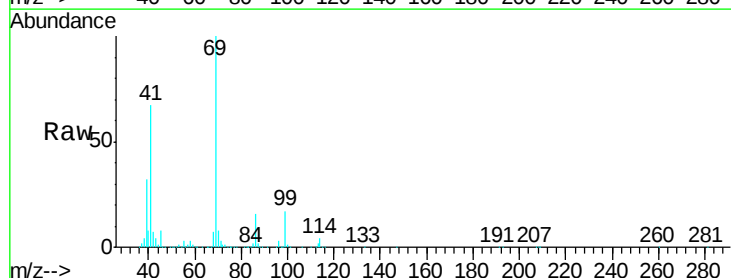
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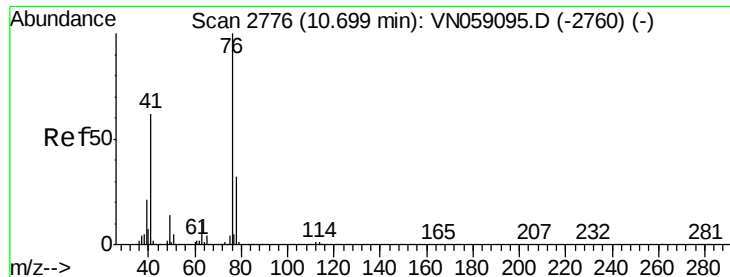
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#56
 Ethyl methacrylate
 Concen: 165.850 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059097.D
 Acq: 6 Nov 2019 10:45

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.9	53.6	80.4
39	32.0	26.2	39.4





#57

1,3-Dichloropropane

Concen: 145.906 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 76 Resp: 1495028

Ion Ratio Lower Upper

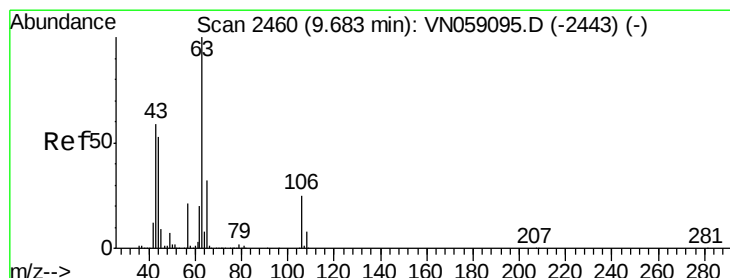
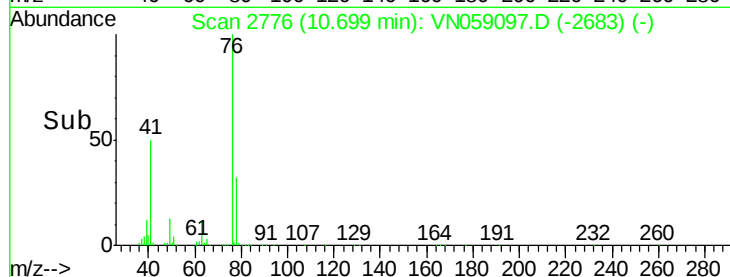
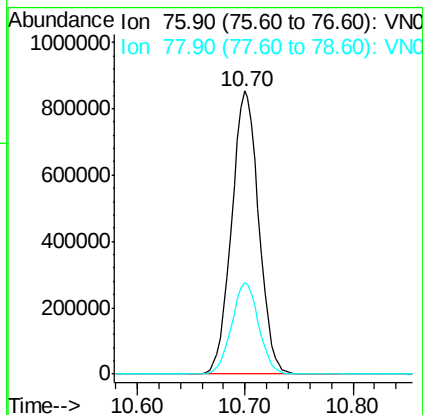
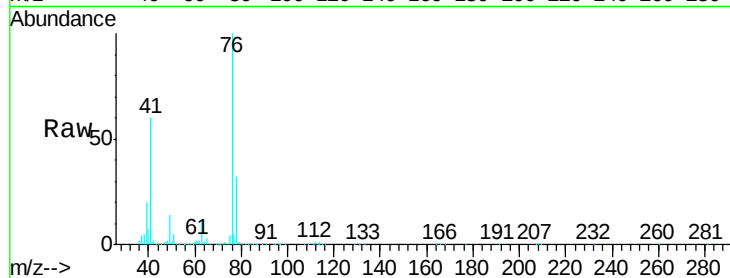
76 100

78 32.1 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 685.810 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059097.D

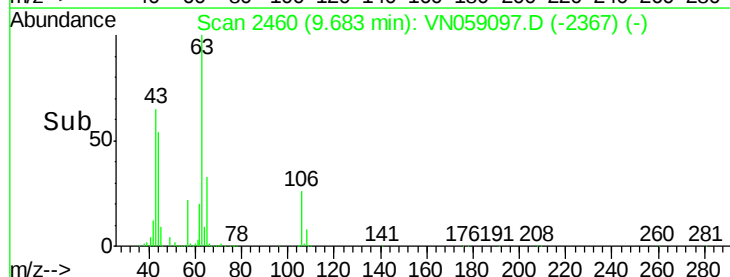
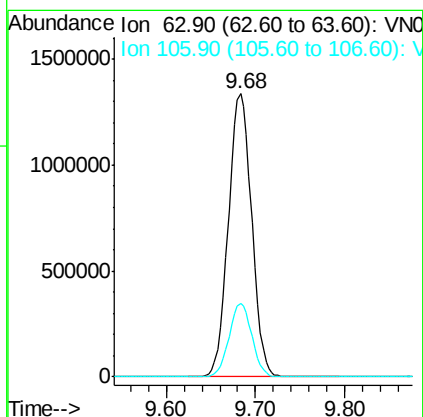
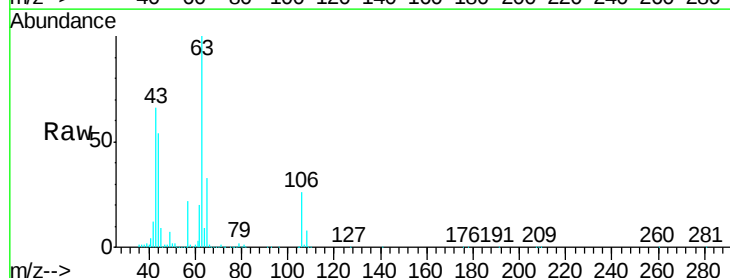
Acq: 6 Nov 2019 10:45

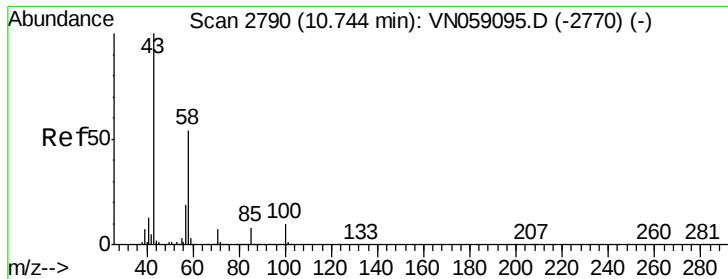
Tgt Ion: 63 Resp: 2414596

Ion Ratio Lower Upper

63 100

106 25.5 20.2 30.2





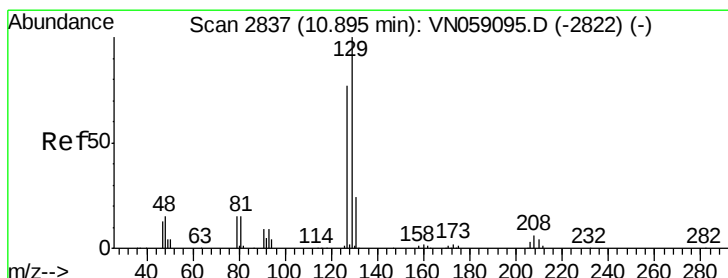
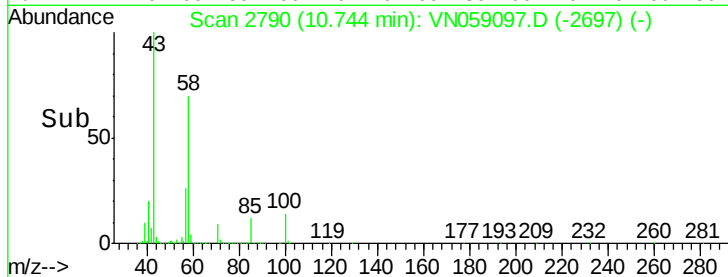
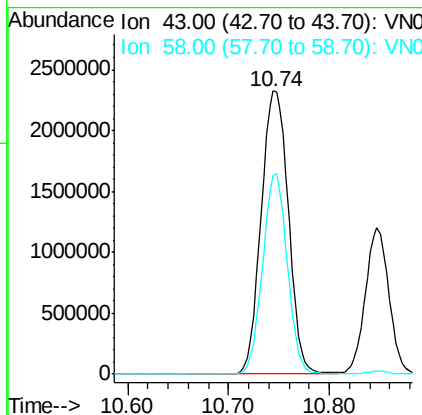
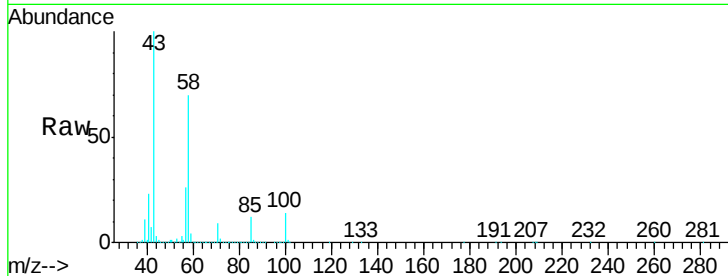
#59
2-Hexanone
Concen: 684.996 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 4364330
Ion Ratio Lower Upper
43 100
58 64.3 27.3 81.8

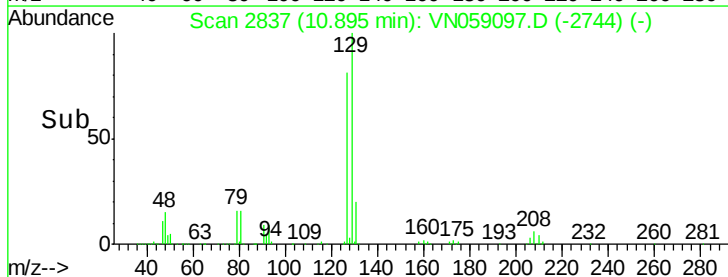
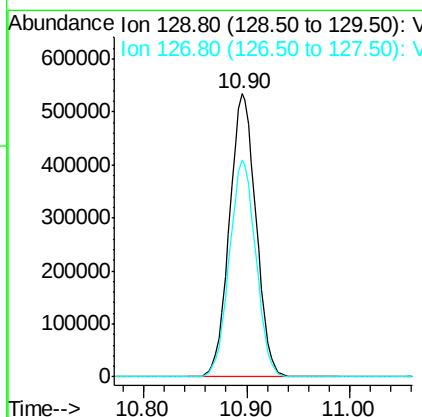
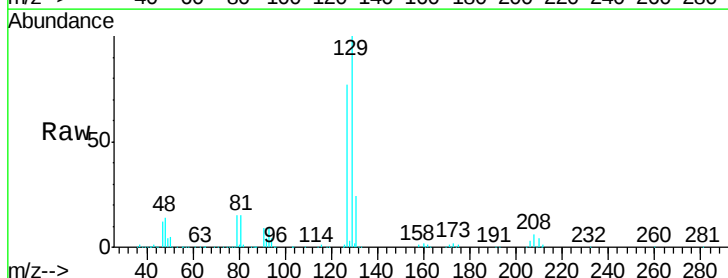
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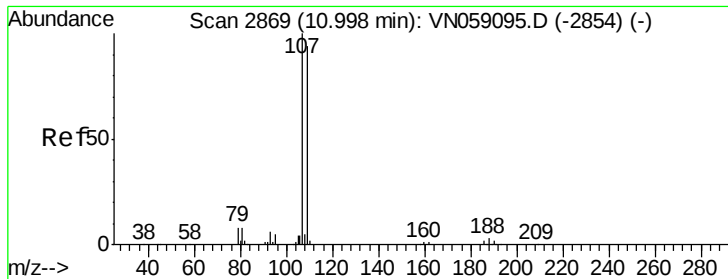
MMDadoda
11/7/2019 9:16:19 AM



#60
Dibromochloromethane
Concen: 150.945 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Tgt Ion: 129 Resp: 956406
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 150.043 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 107 Resp: 893927

Ion Ratio Lower Upper

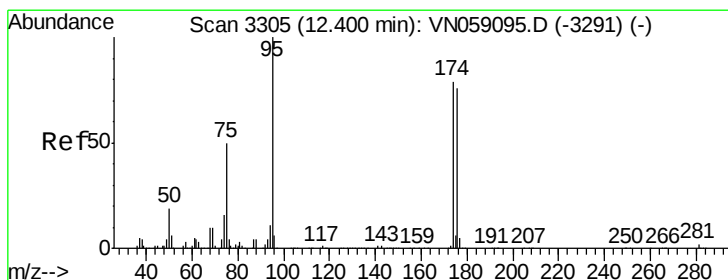
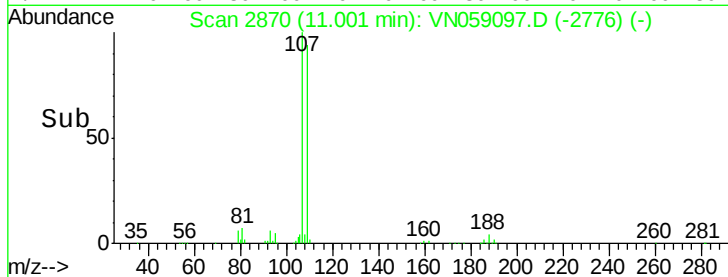
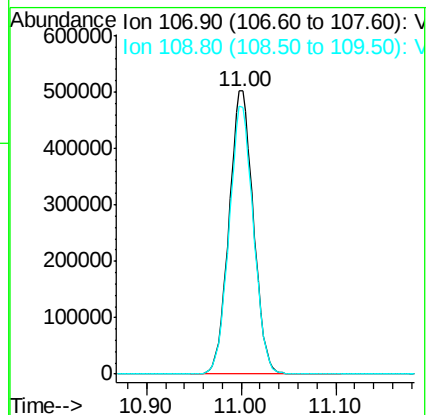
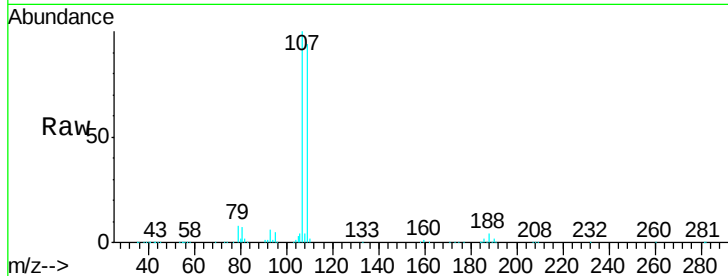
107 100

109 94.7 75.5 113.3

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#62

4-Bromofluorobenzene

Concen: 151.446 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

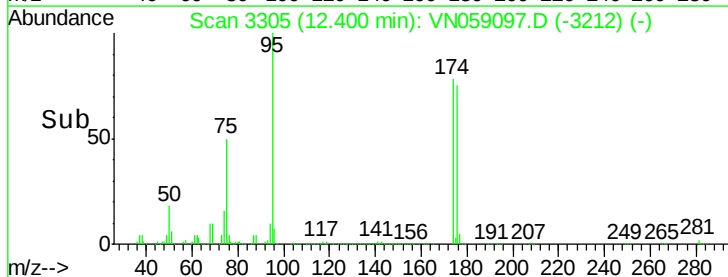
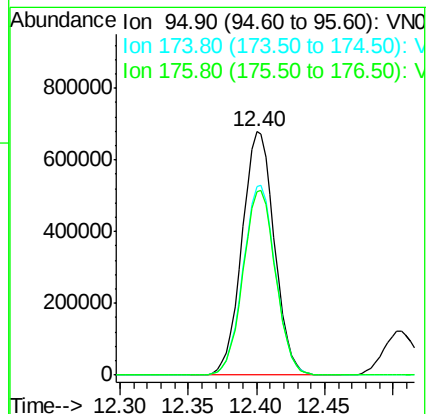
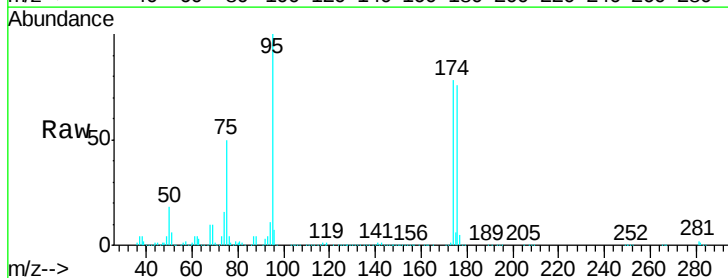
Tgt Ion: 95 Resp: 1116686

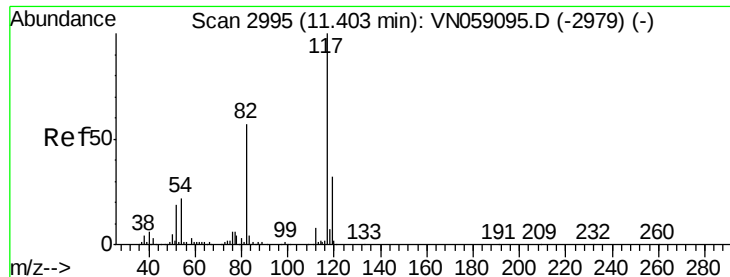
Ion Ratio Lower Upper

95 100

174 78.1 0.0 158.2

176 76.1 0.0 151.8





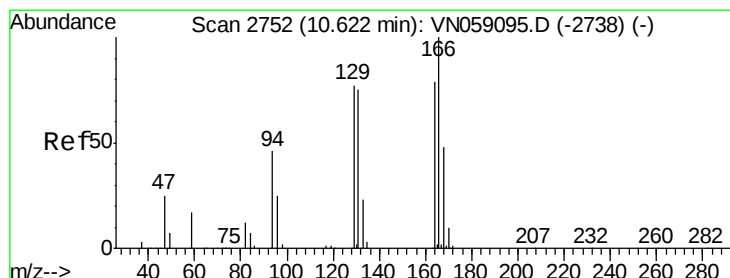
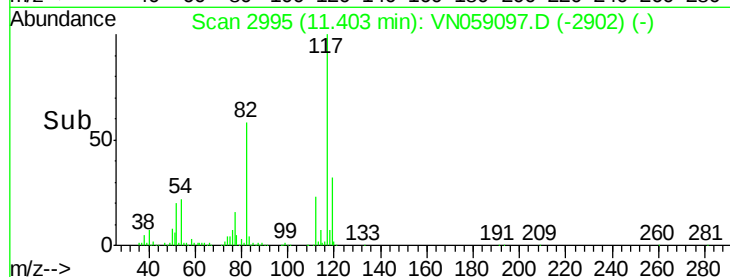
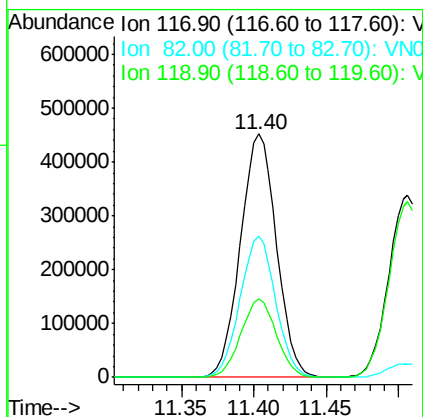
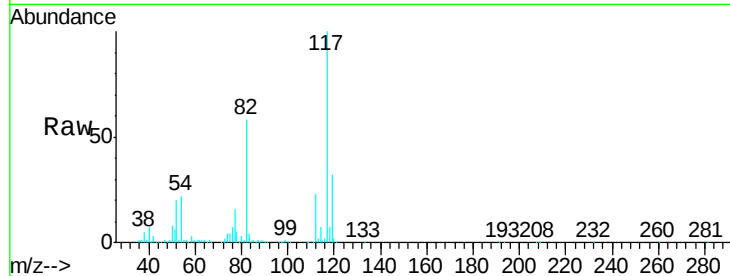
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	781518		
82	57.7	45.8	68.8	
119	32.2	25.8	38.6	

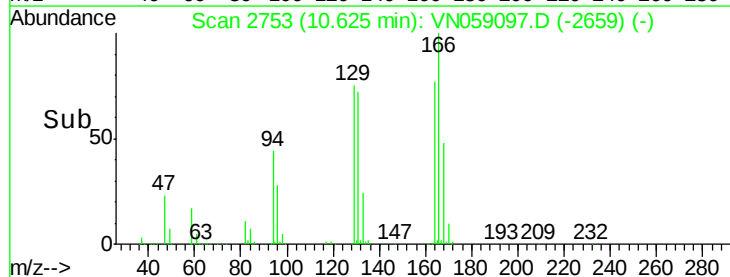
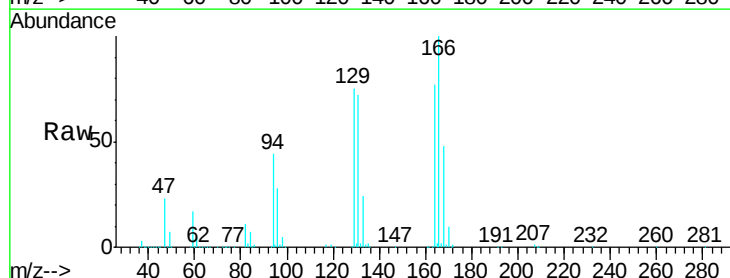
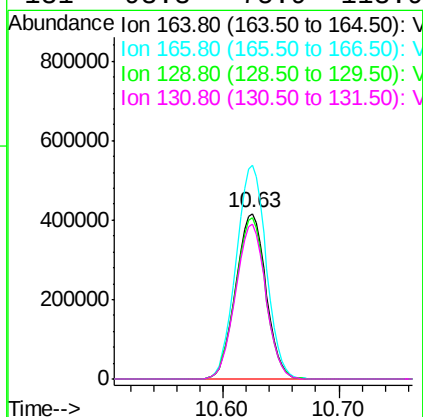
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#64
Tetrachloroethene
Concen: 137.557 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	750475		
166	129.2	101.5	152.3	
129	97.3	78.3	117.5	
131	93.3	75.9	113.9	





#65

Chlorobenzene

Concen: 139.482 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion:112 Resp: 2229276

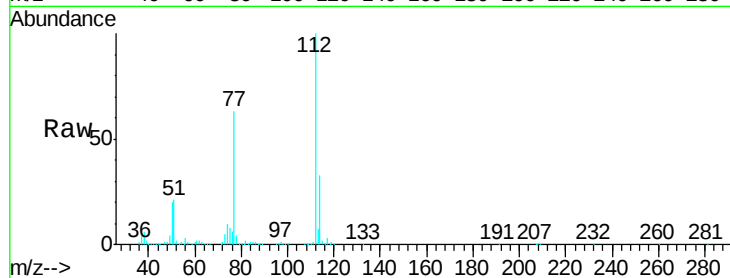
Ion Ratio Lower Upper

112 100

114 32.9 25.2 37.8

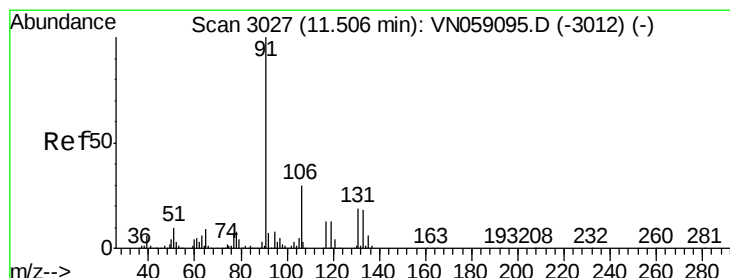
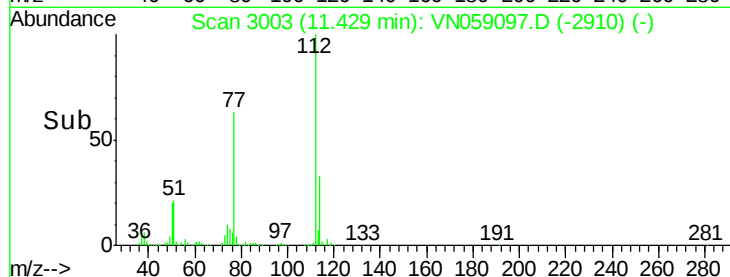
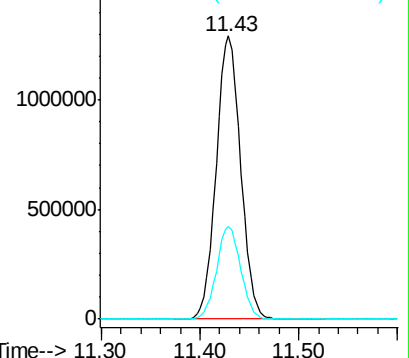
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 144.533 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

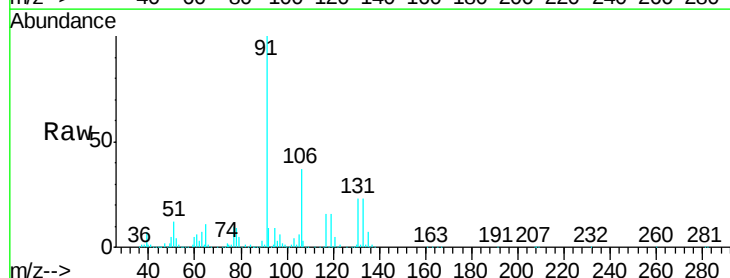
Tgt Ion:131 Resp: 851179

Ion Ratio Lower Upper

131 100

133 95.2 47.4 142.3

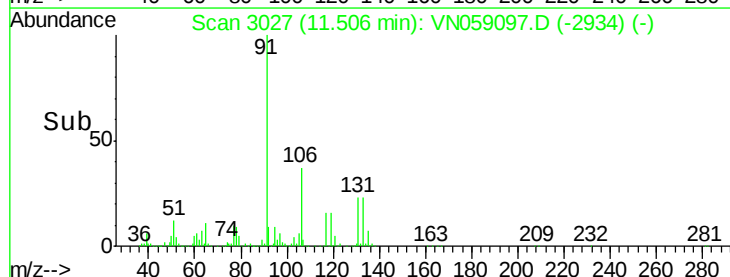
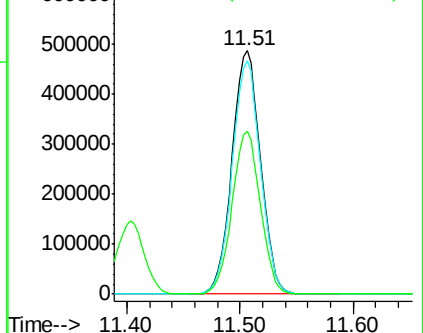
119 66.4 33.2 99.6

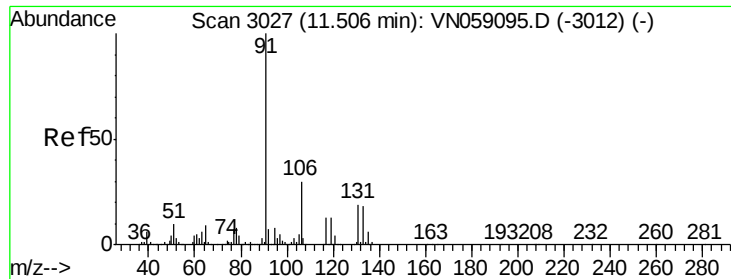


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 136.344 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion: 91 Resp: 3770915

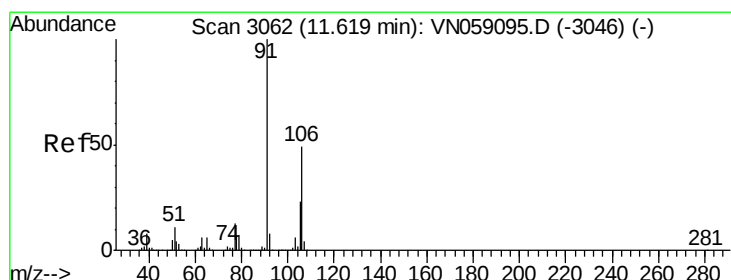
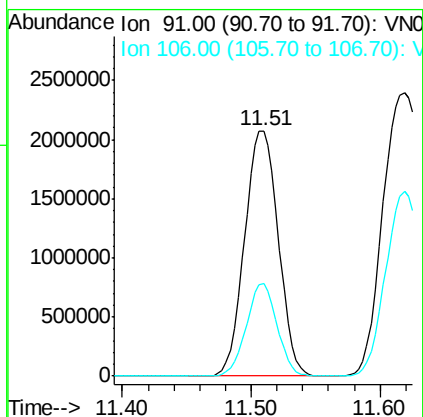
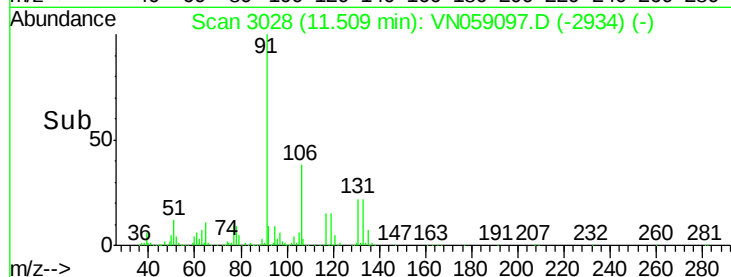
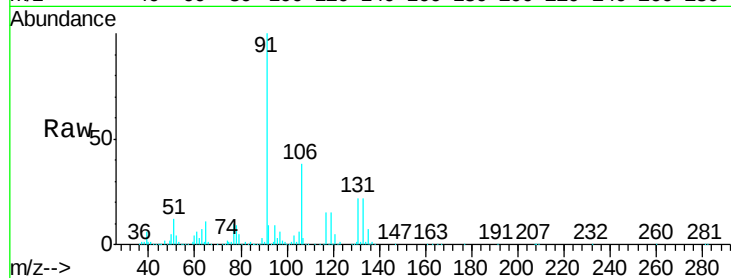
Ion Ratio Lower Upper

91 100

106 37.5 24.1 36.1#

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#68

m/p-Xylenes

Concen: 294.873 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059097.D

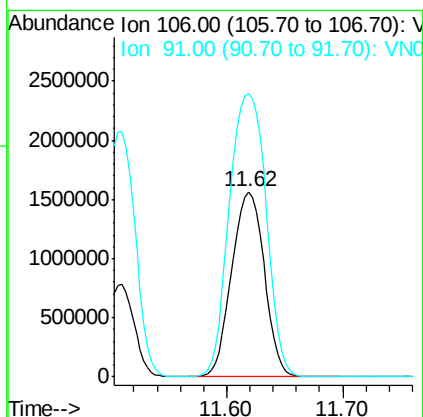
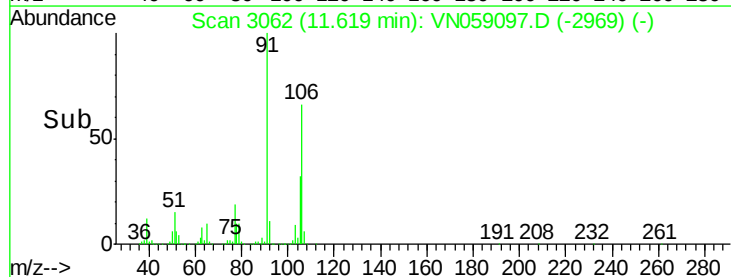
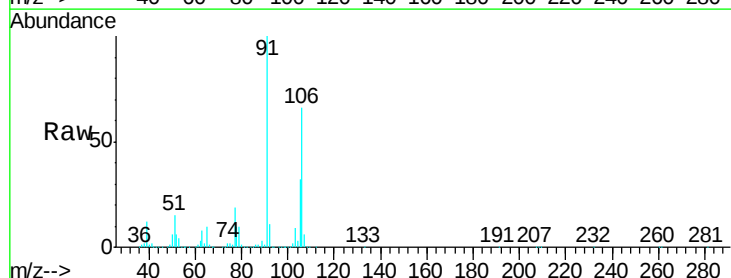
Acq: 6 Nov 2019 10:45

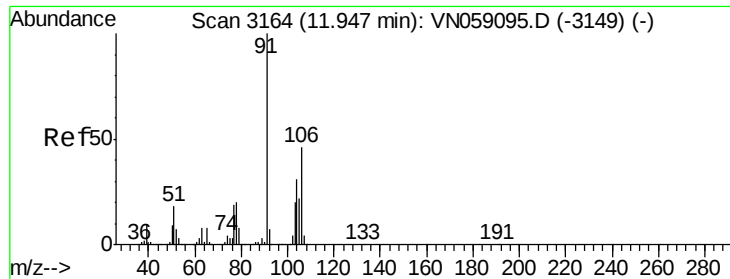
Tgt Ion: 106 Resp: 3049760

Ion Ratio Lower Upper

106 100

91 173.3 164.7 247.1





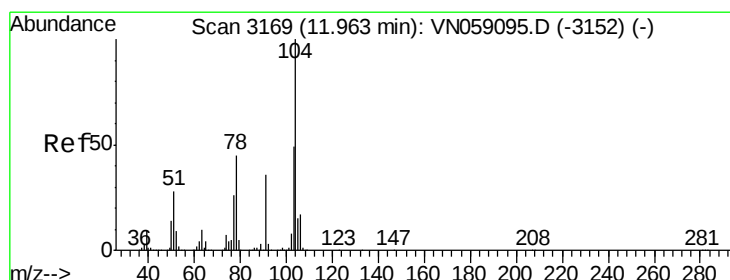
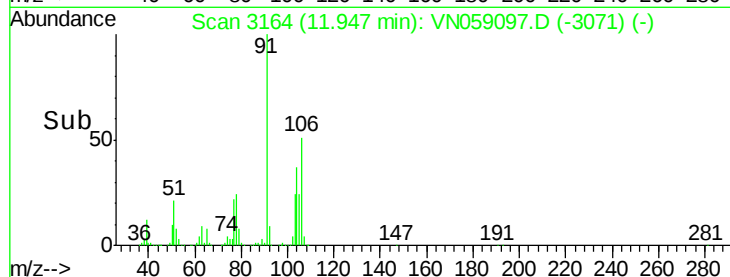
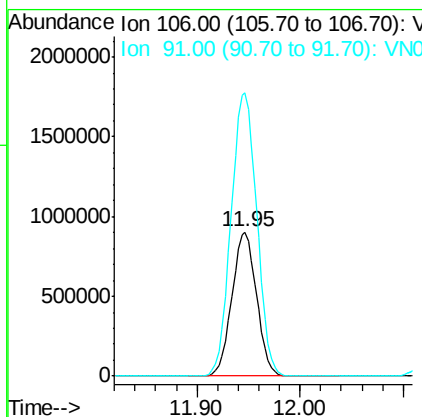
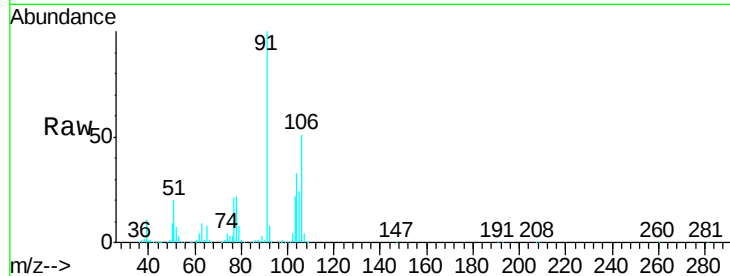
#69
o-Xylene
Concen: 152.337 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 1503333
Ion Ratio Lower Upper
106 100
91 205.5 110.1 330.3

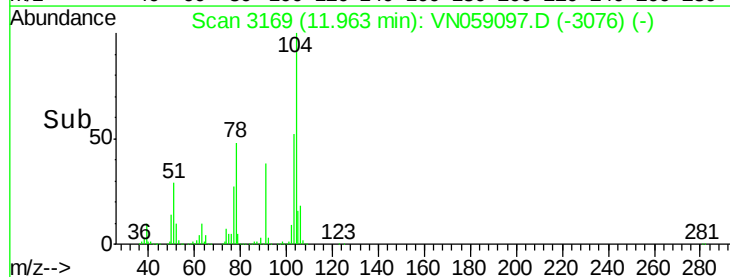
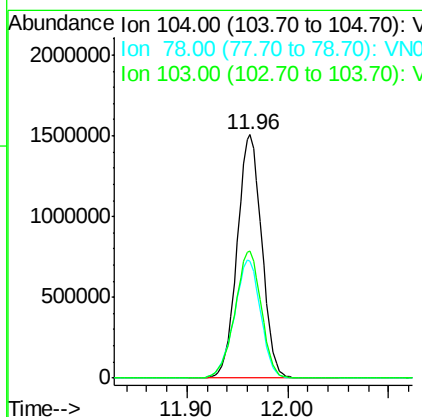
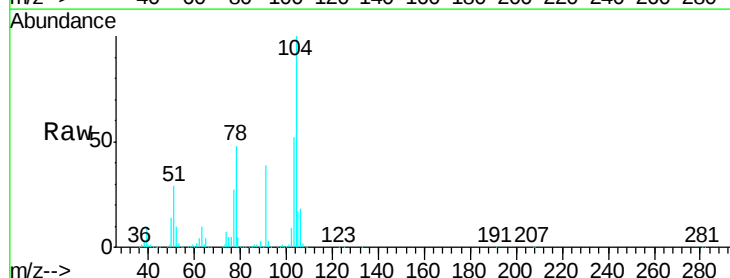
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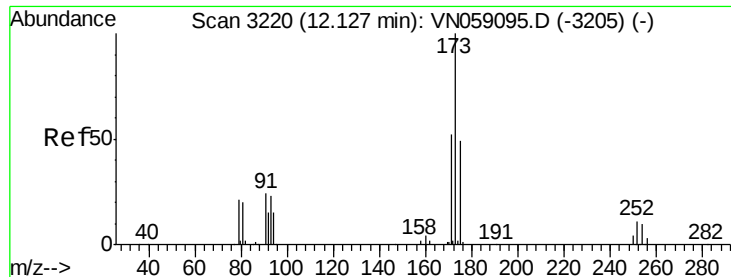
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#70
Styrene
Concen: 159.193 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Tgt Ion:104 Resp: 2540971
Ion Ratio Lower Upper
104 100
78 52.4 41.2 61.8
103 56.0 43.8 65.6





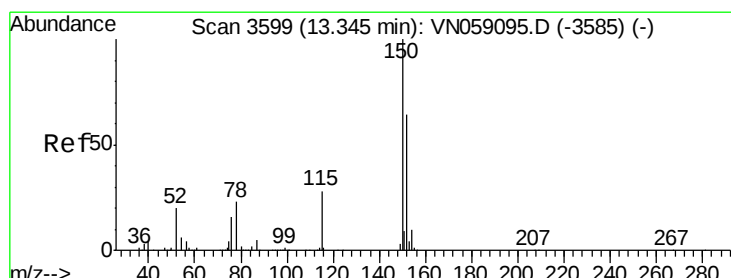
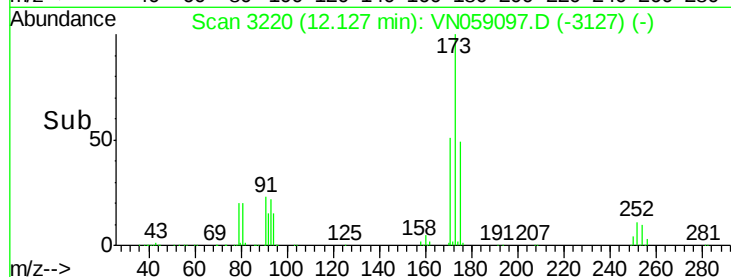
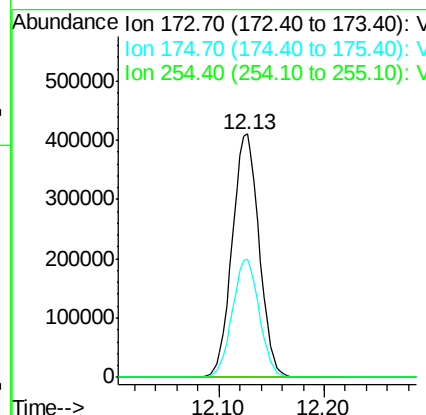
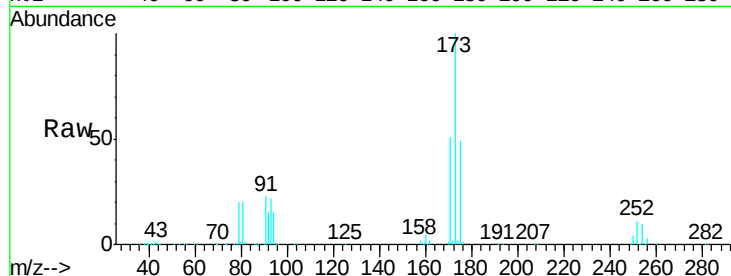
#71
Bromoform
Concen: 158.710 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.2	72.6
254	0.1	0.1	0.1

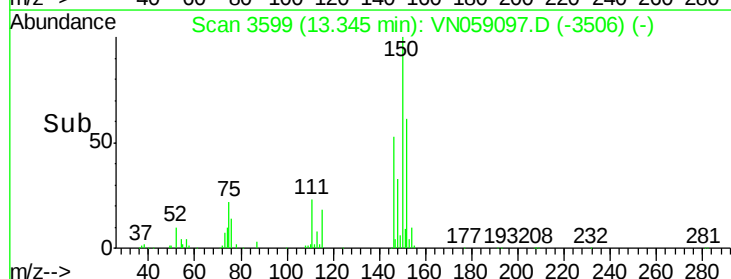
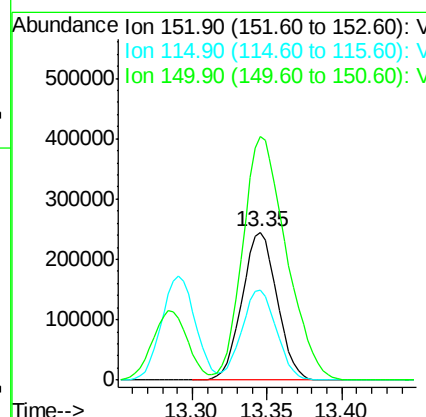
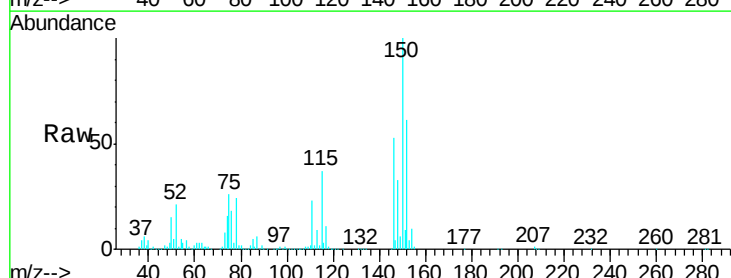
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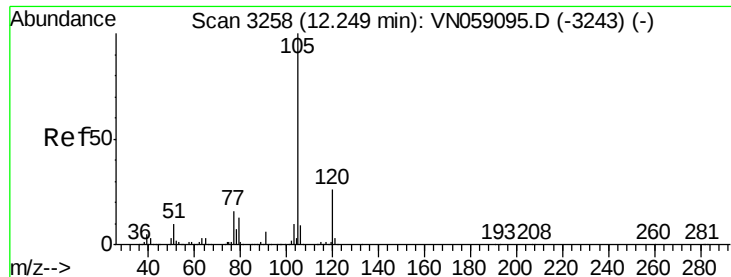
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	29.4	88.2
150	203.5	0.0	345.8





#73

Isopropylbenzene

Concen: 125.416 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 105 Resp: 3675146

Ion Ratio Lower Upper

105 100

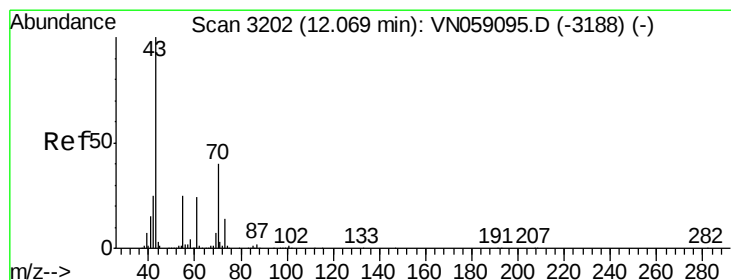
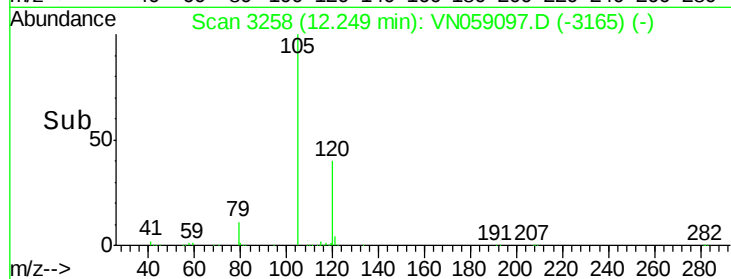
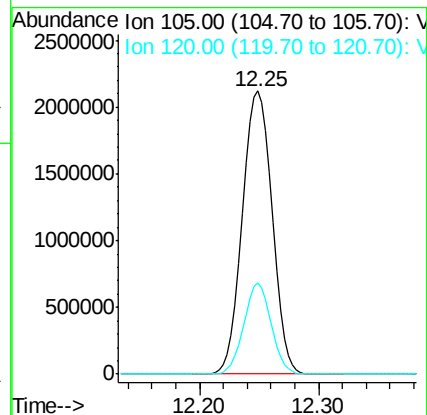
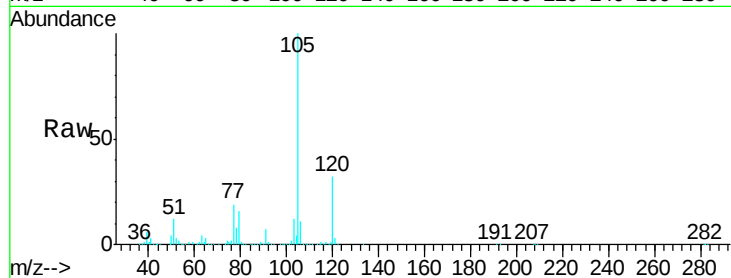
120 29.5 13.1 39.3

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#74

N-ethyl acetate

Concen: 149.997 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Tgt Ion: 43 Resp: 1945371

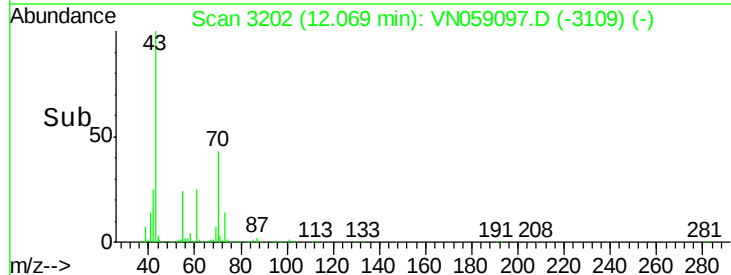
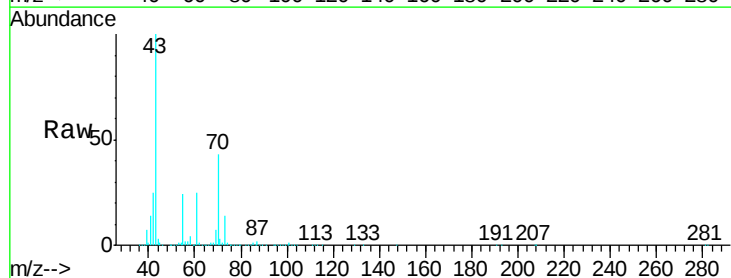
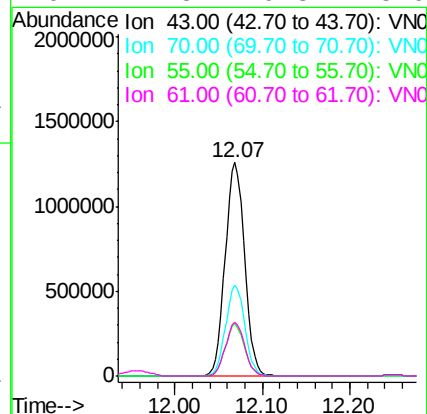
Ion Ratio Lower Upper

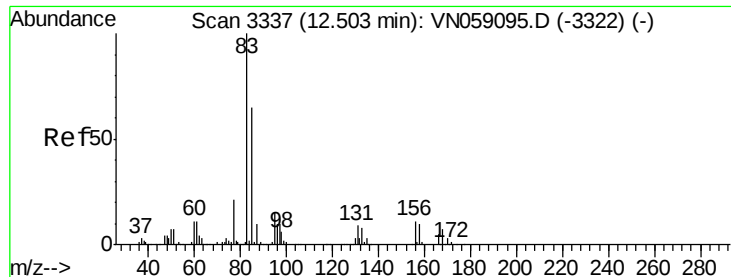
43 100

70 42.0 32.2 48.4

55 24.2 20.4 30.6

61 24.8 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 130.629 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion: 83 Resp: 1363833

Ion Ratio Lower Upper

83 100

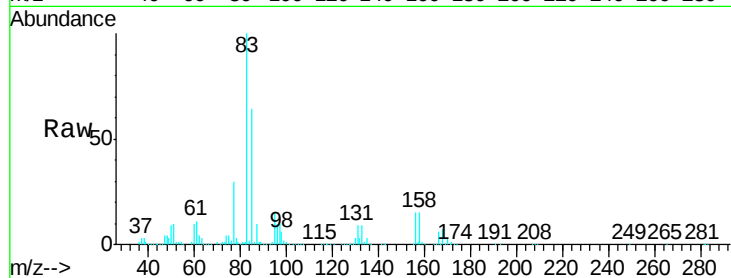
131 9.7 4.9 14.6

85 64.0 32.4 97.2

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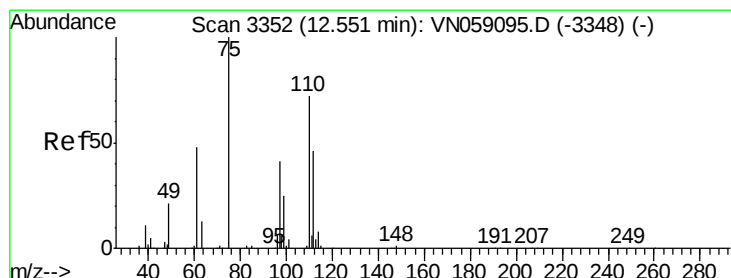
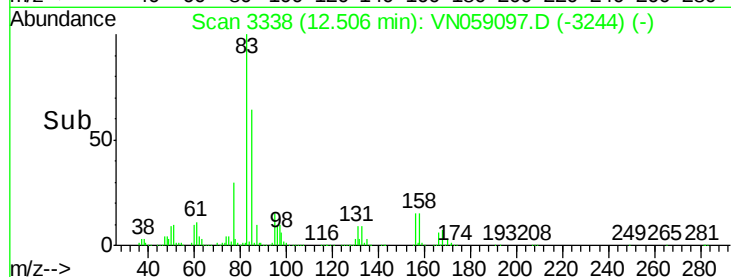
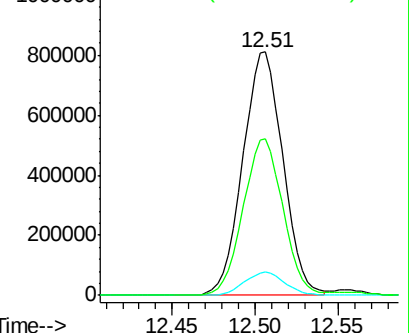
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 129.618 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059097.D

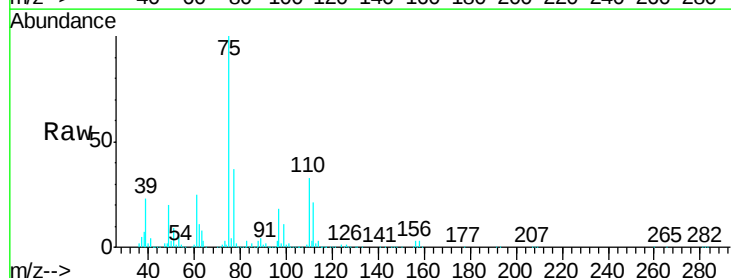
Acq: 6 Nov 2019 10:45

Tgt Ion: 75 Resp: 1209457

Ion Ratio Lower Upper

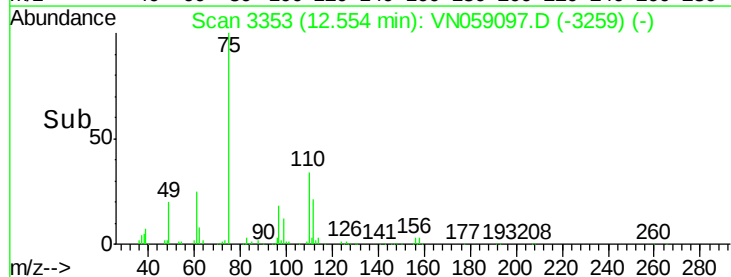
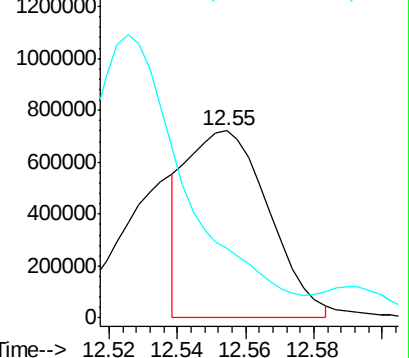
75 100

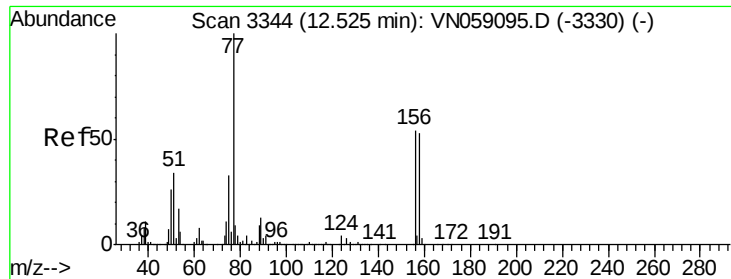
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 135.245 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

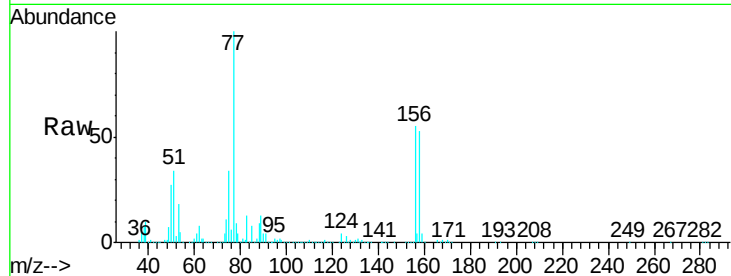
ClientSampleId :

VSTDIC150

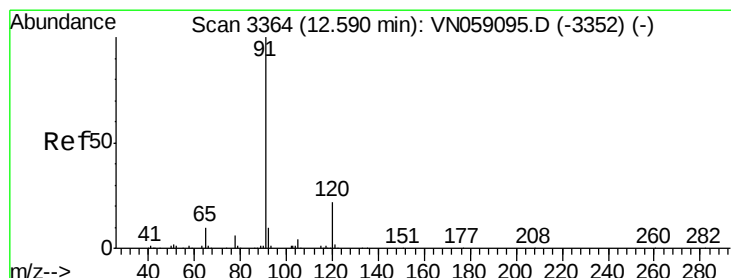
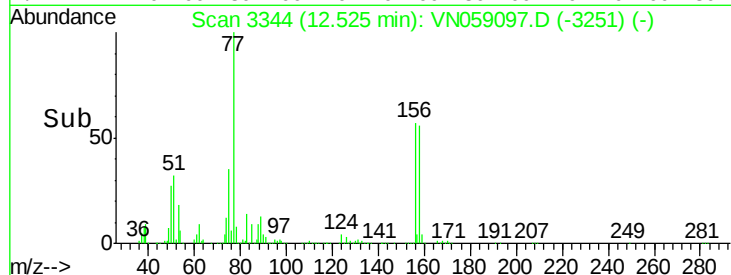
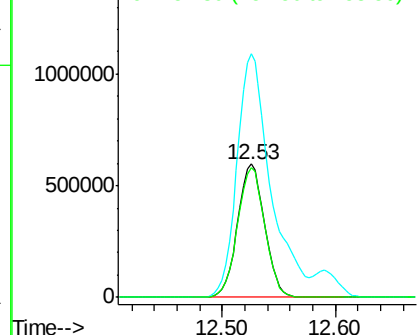
Tgt Ion:	156	Resp:	994377
Ion Ratio	Lower	Upper	
156	100		
77	226.7	112.8	338.3
158	97.6	48.4	145.3

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



#78

n-propylbenzene

Concen: 123.858 ug/l

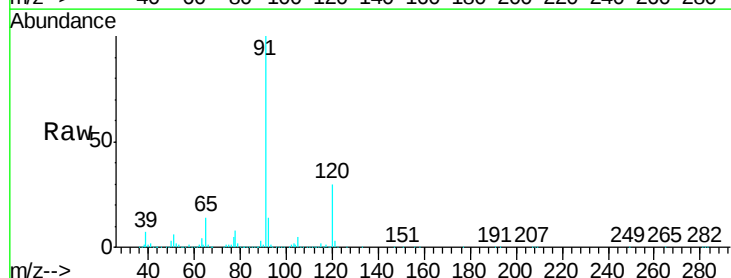
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

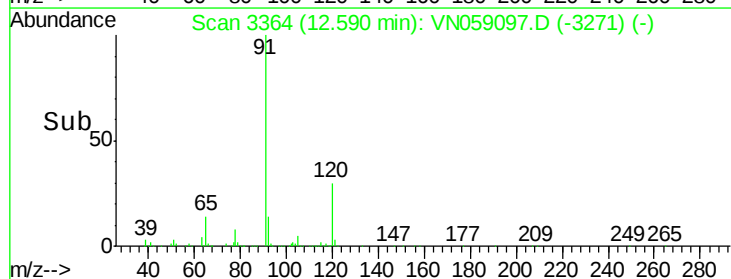
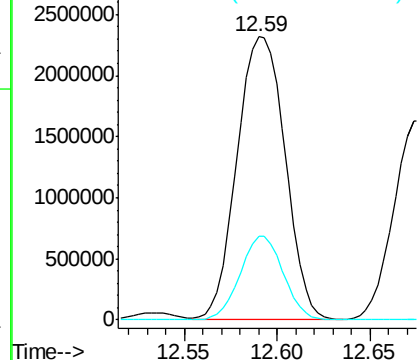
Lab File: VN059097.D

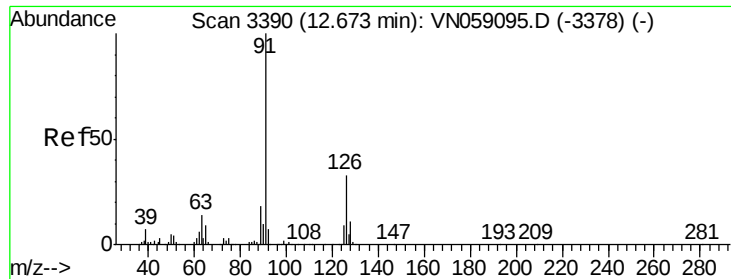
Acq: 6 Nov 2019 10:45

Tgt Ion:	91	Resp:	4194596
Ion Ratio	Lower	Upper	
91	100		
120	26.4	11.2	33.5



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





#79

2-Chlorotoluene

Concen: 131.115 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 2757298

Ion Ratio Lower Upper

91 100

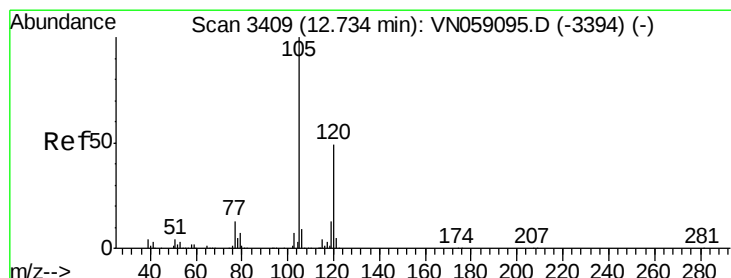
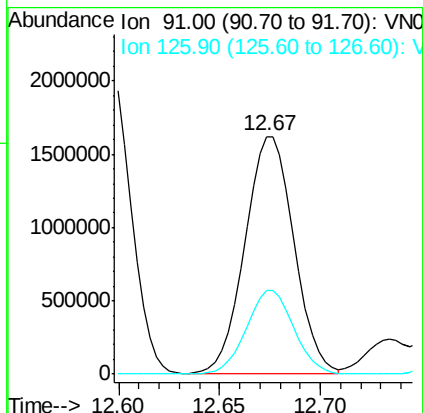
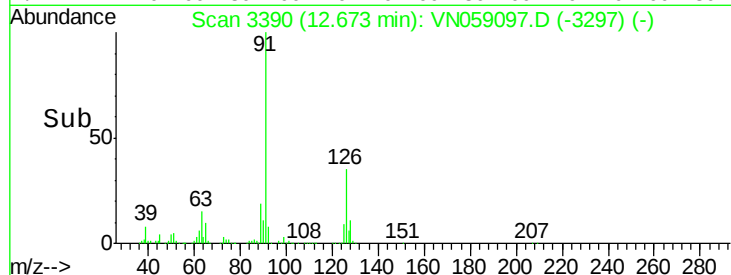
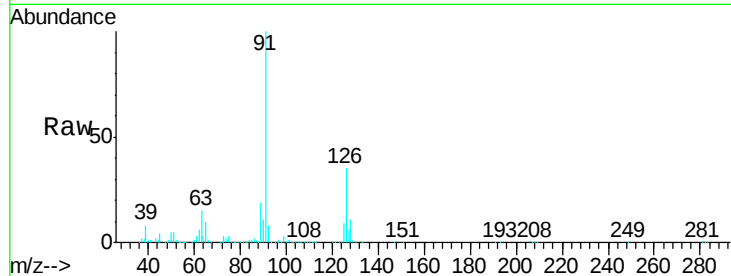
126 34.2 16.7 50.1

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#80

1,3,5-Trimethylbenzene

Concen: 132.454 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059097.D

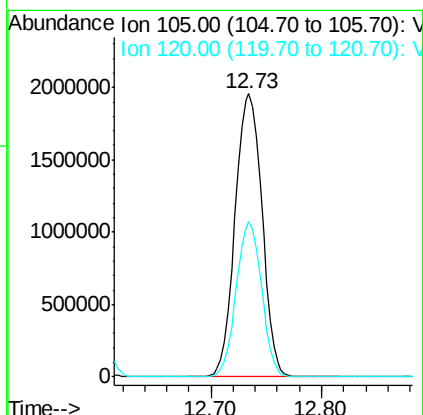
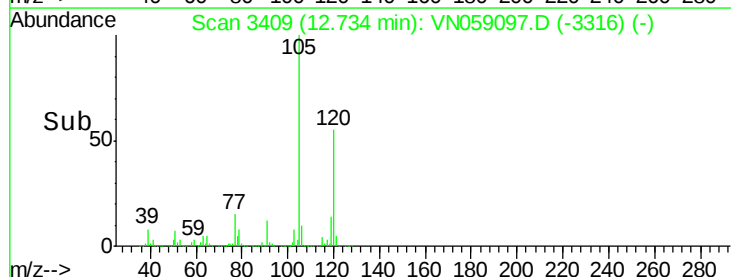
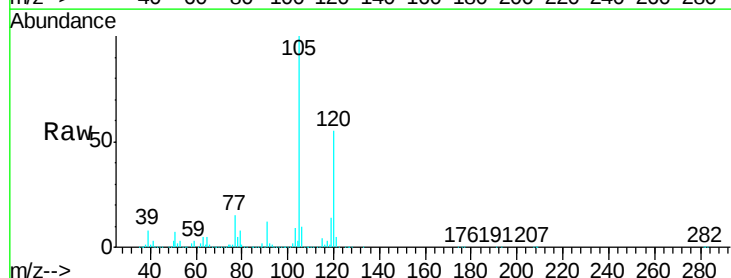
Acq: 6 Nov 2019 10:45

Tgt Ion:105 Resp: 3300880

Ion Ratio Lower Upper

105 100

120 51.9 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 146.729 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

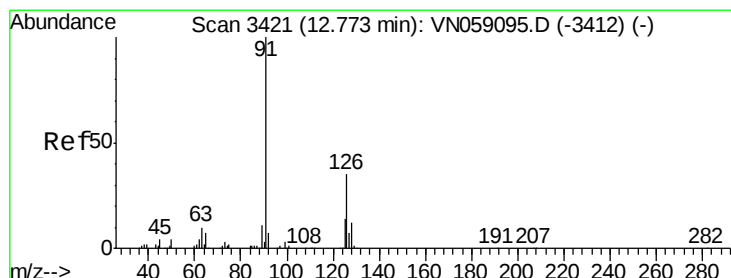
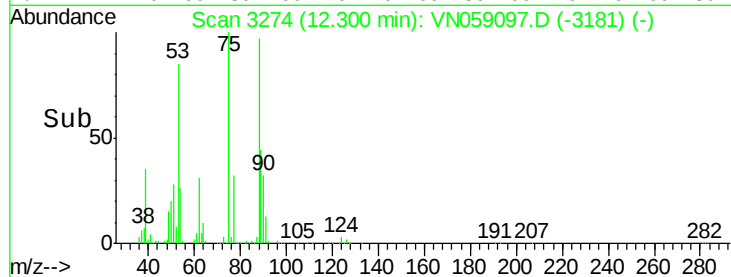
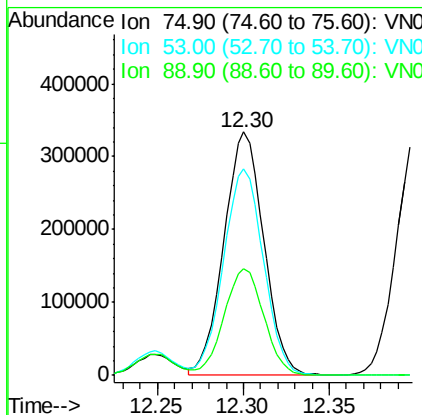
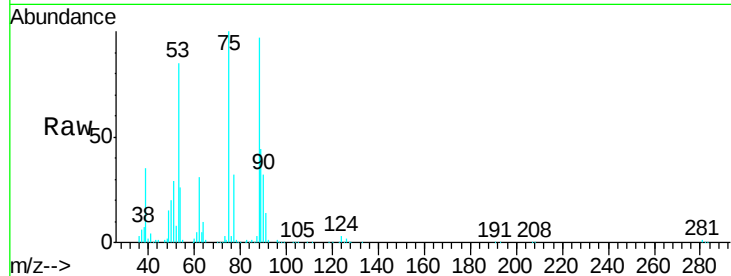
ClientSampleId :

VSTDIC150

Tgt Ion:	75	Resp:	533853
Ion Ratio	Lower	Upper	
75	100		
53	86.2	72.2	108.2
89	44.0	35.8	53.8

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#82

4-Chlorotoluene

Concen: 134.641 ug/l

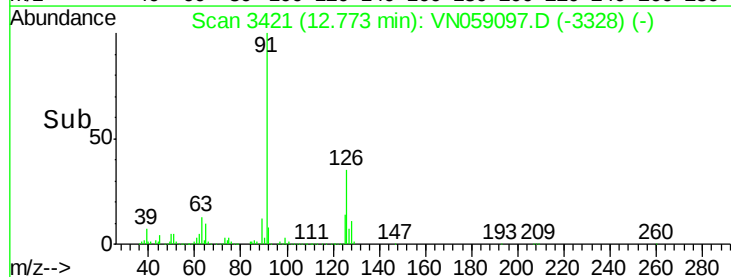
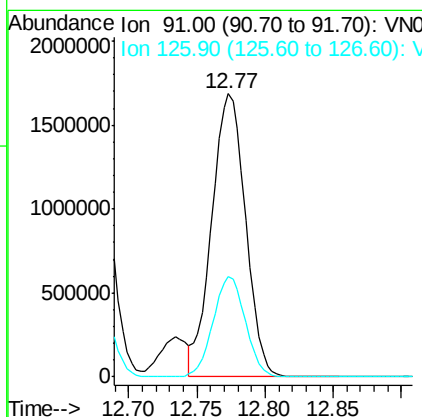
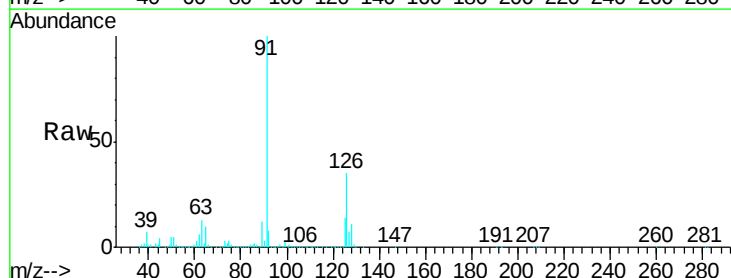
RT: 12.77 min Scan# 3421

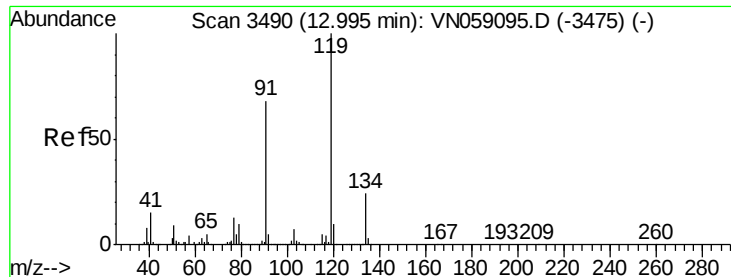
Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Tgt Ion:	91	Resp:	2892400
Ion Ratio	Lower	Upper	
91	100		
126	33.9	16.1	48.2





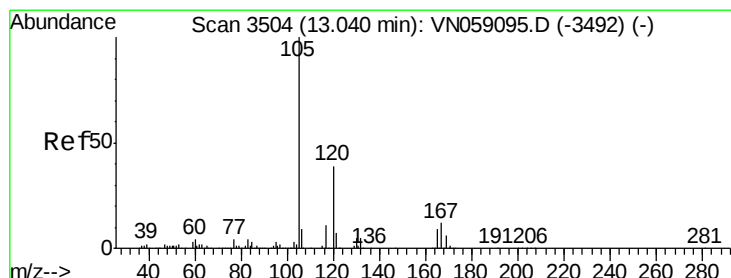
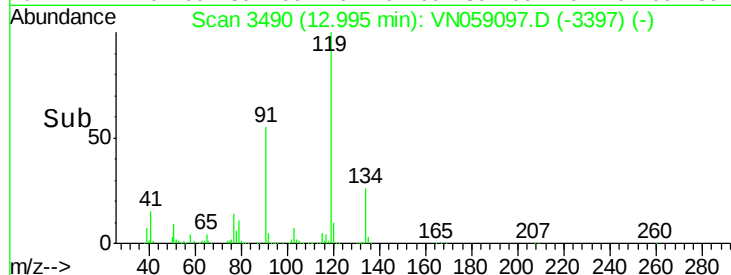
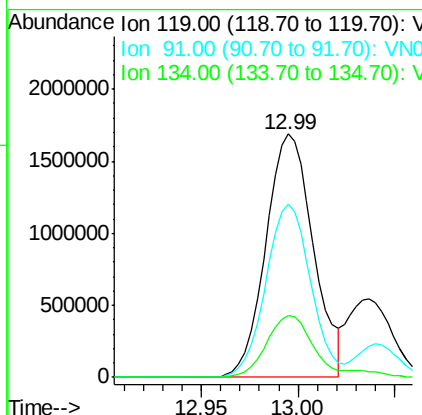
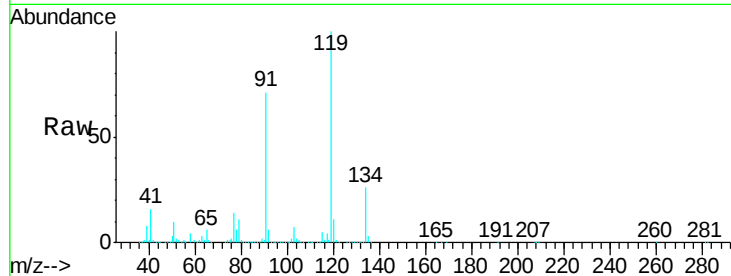
#83
 tert-Butylbenzene
 Concen: 136.044 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059097.D
 Acq: 6 Nov 2019 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:119 Resp: 2888409
 Ion Ratio Lower Upper
 119 100
 91 67.7 33.2 99.6
 134 26.4 12.7 38.1

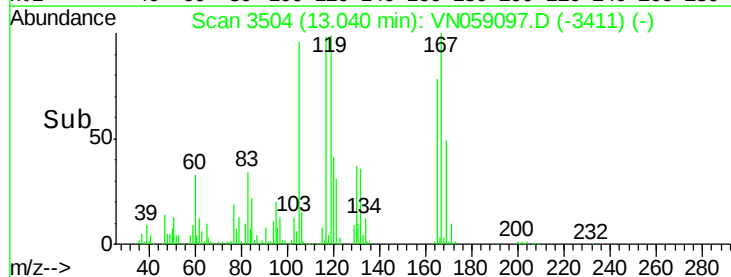
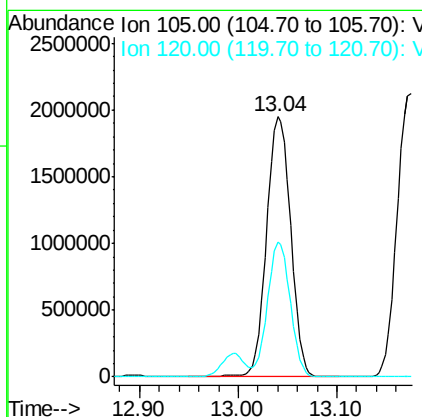
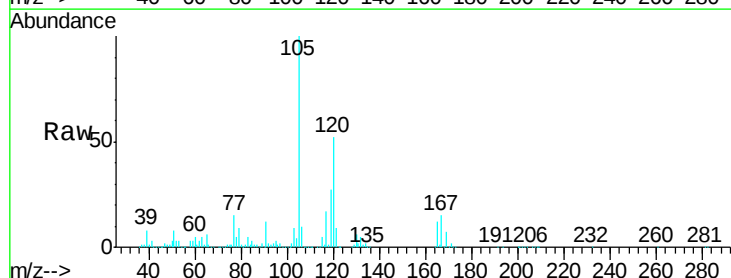
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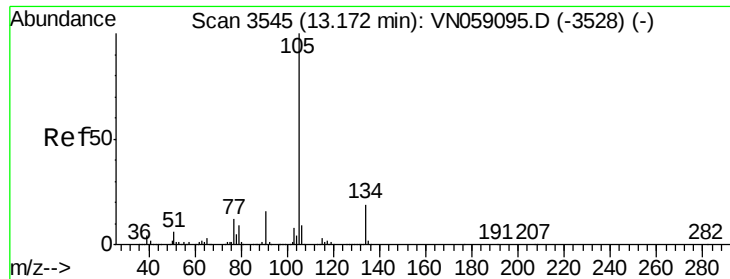
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#84
 1,2,4-Trimethylbenzene
 Concen: 136.013 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059097.D
 Acq: 6 Nov 2019 10:45

Tgt Ion:105 Resp: 3282156
 Ion Ratio Lower Upper
 105 100
 120 48.7 22.8 68.4





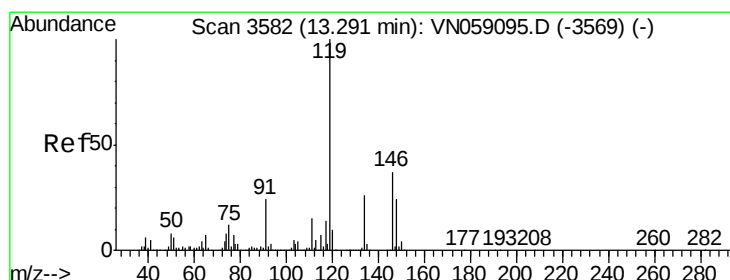
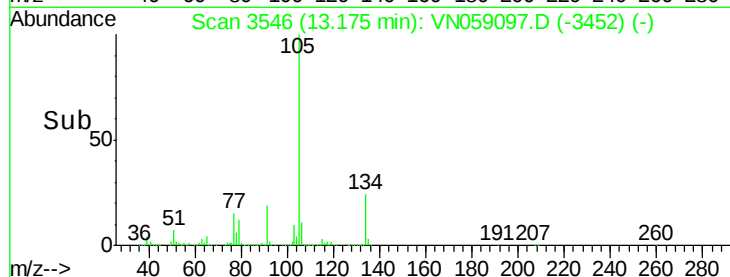
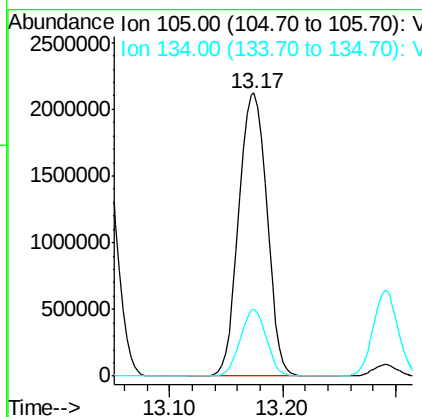
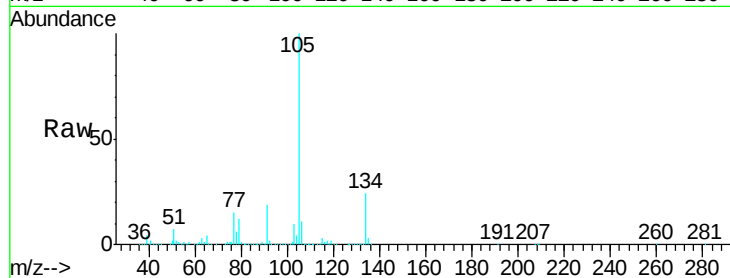
#85
 sec-Butylbenzene
 Concen: 133.020 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059097.D
 Acq: 6 Nov 2019 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:105 Resp: 3692150
 Ion Ratio Lower Upper
 105 100
 134 21.8 9.7 29.1

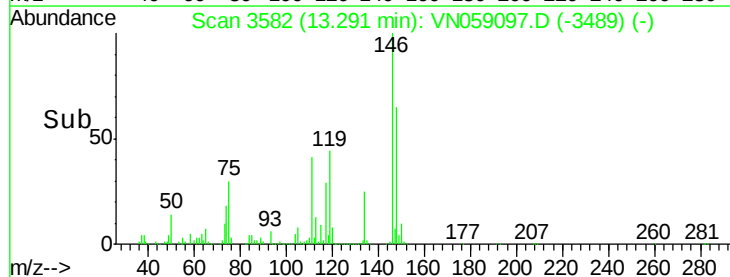
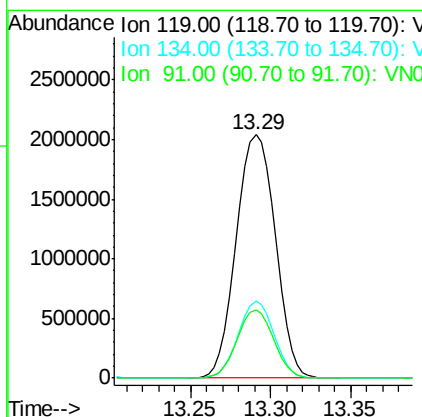
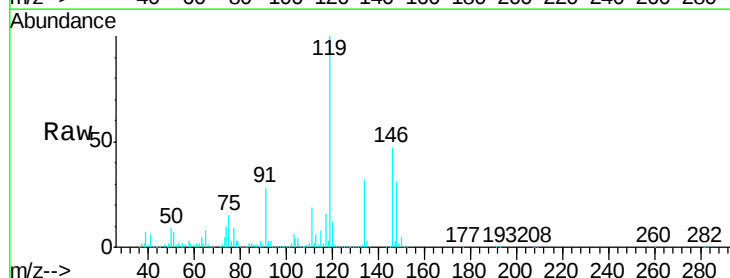
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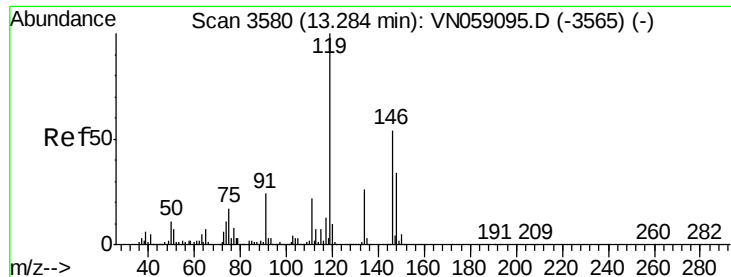
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#86
 p-Isopropyltoluene
 Concen: 135.723 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059097.D
 Acq: 6 Nov 2019 10:45

Tgt Ion:119 Resp: 3392695
 Ion Ratio Lower Upper
 119 100
 134 29.1 13.0 38.9
 91 26.1 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 140.141 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

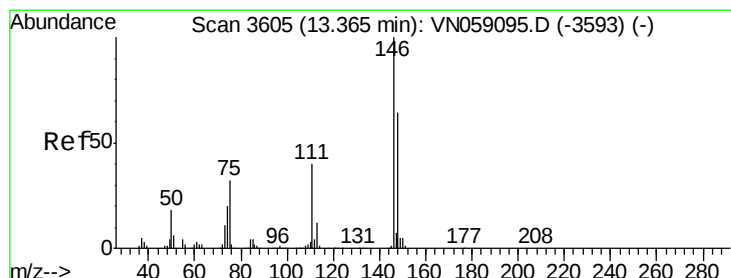
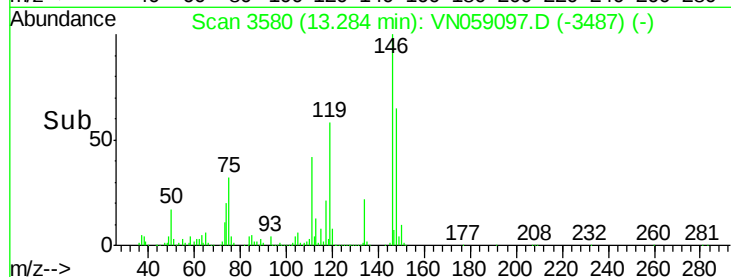
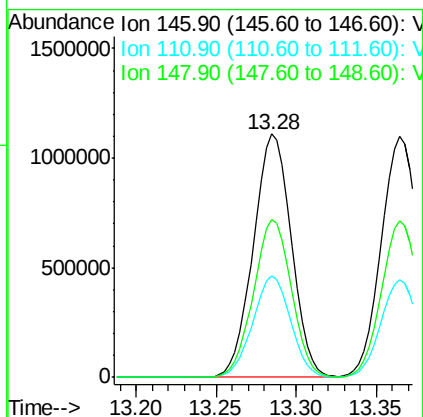
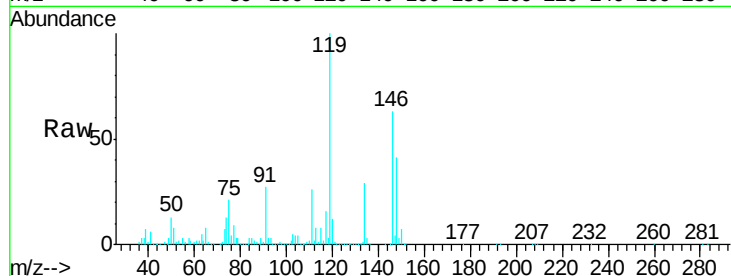
ClientSampled :

VSTDIC150

Tgt Ion:	146	Resp:	1823858
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.4	61.3
148	64.4	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 141.844 ug/l

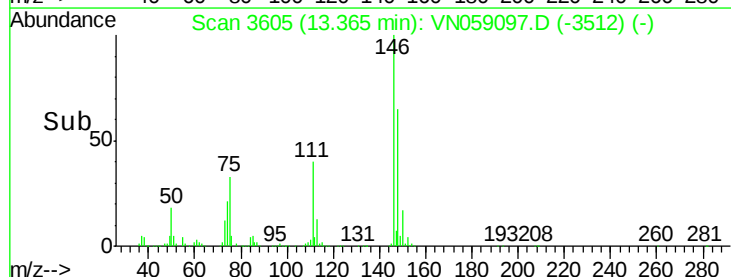
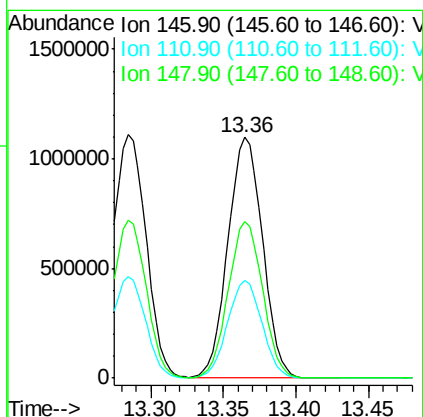
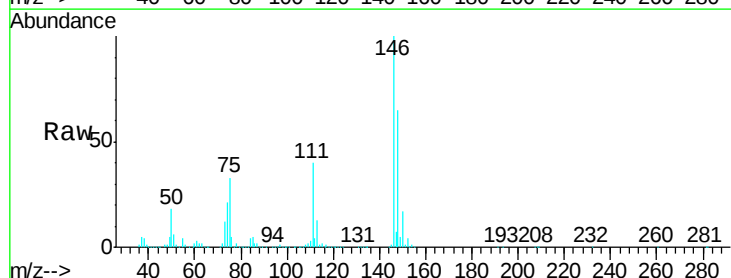
RT: 13.36 min Scan# 3605

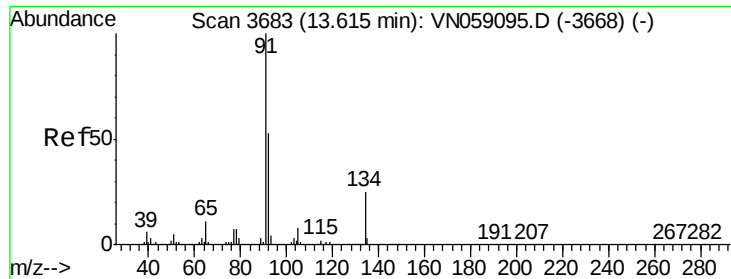
Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Tgt Ion:	146	Resp:	1824087
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.3	60.9
148	64.6	31.9	95.7





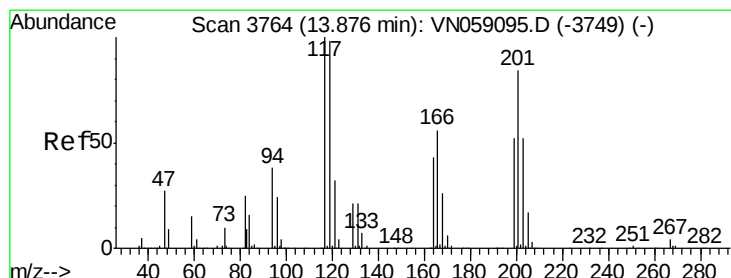
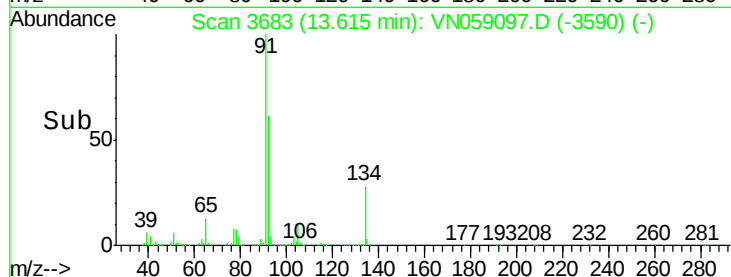
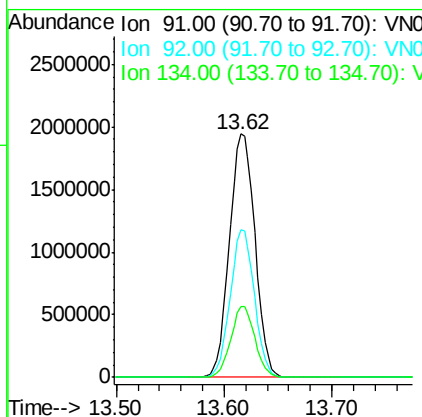
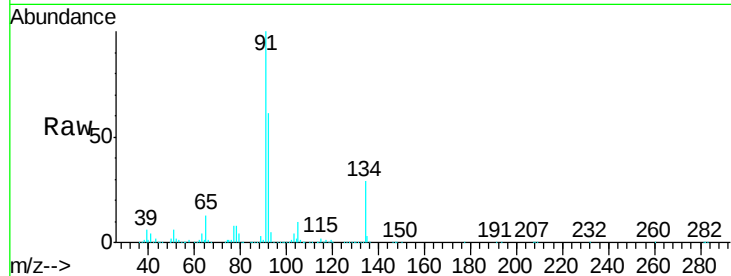
#89
n-Butylbenzene
Concen: 147.774 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 3207427
Ion Ratio Lower Upper
91 100
92 57.4 26.1 78.3
134 27.6 12.6 37.8

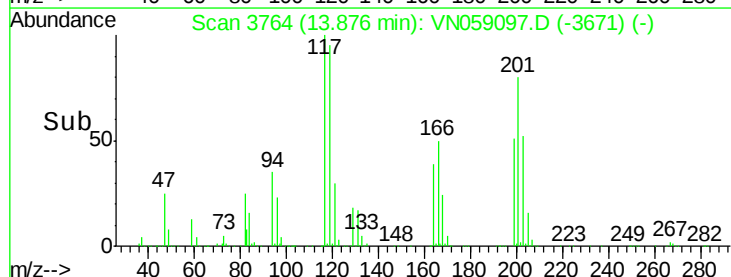
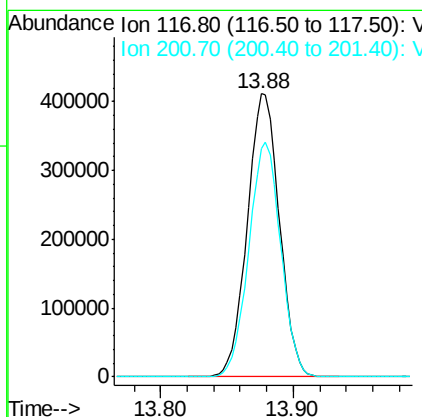
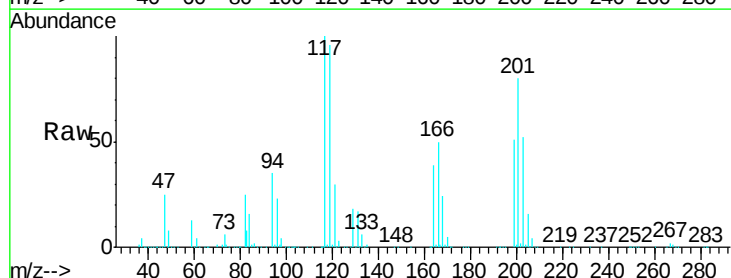
Manual Integrations
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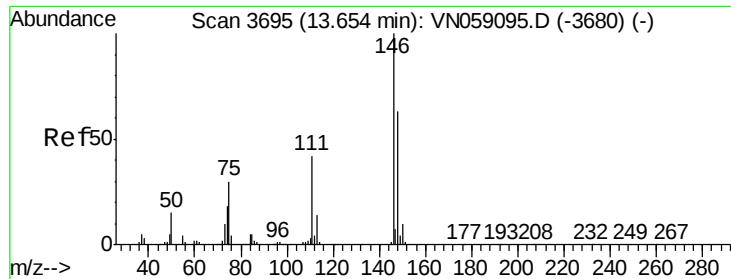
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#90
Hexachloroethane
Concen: 139.503 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059097.D
Acq: 6 Nov 2019 10:45

Tgt Ion: 117 Resp: 692150
Ion Ratio Lower Upper
117 100
201 82.4 41.8 125.3





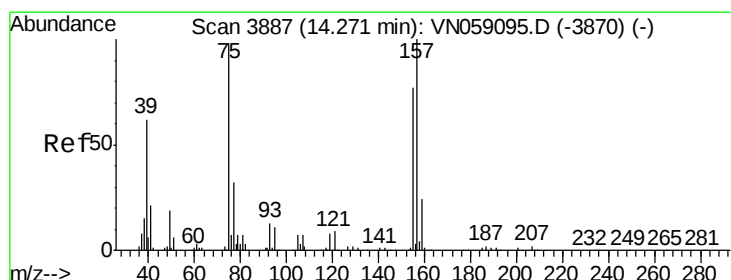
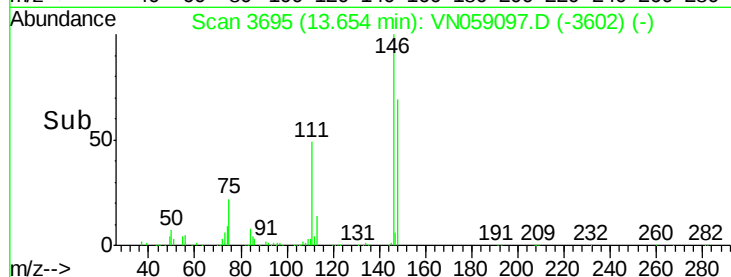
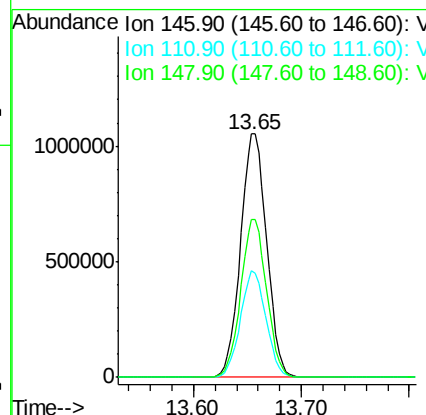
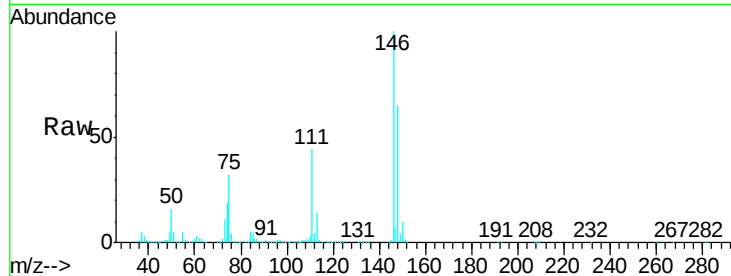
#91
 1,2-Dichlorobenzene
 Concen: 136.682 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059097.D
 Acq: 6 Nov 2019 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.2	63.6
148	64.2	31.6	94.7

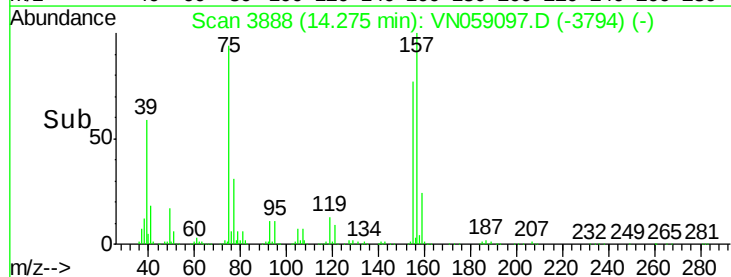
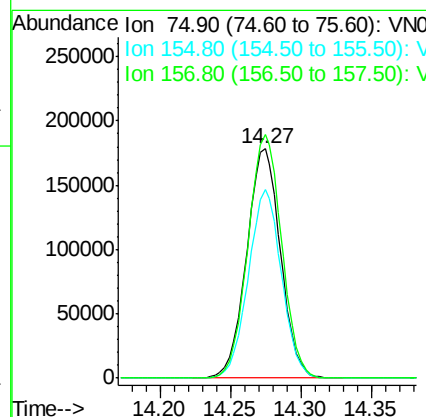
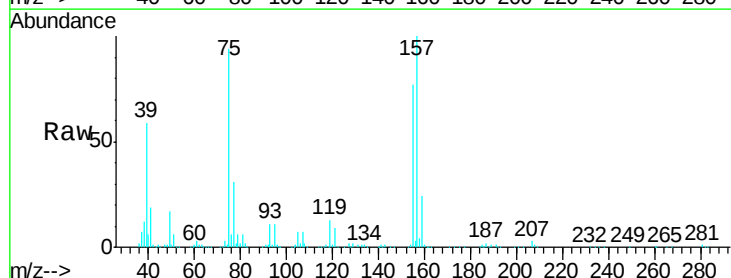
Manual Integrations
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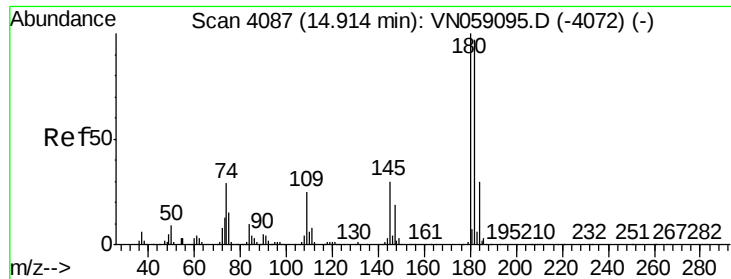
MMDadoda
 11/7/2019 9:16:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 132.432 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059097.D
 Acq: 6 Nov 2019 10:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	40.2	120.6
157	106.4	51.8	155.5





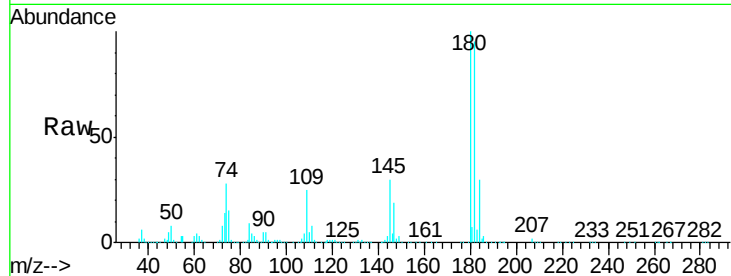
#93
 1,2,4-Trichlorobenzene
 Concen: 170.310 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN059097.D
 Acq: 6 Nov 2019 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

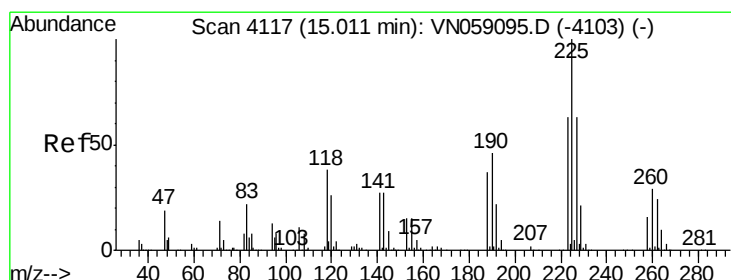
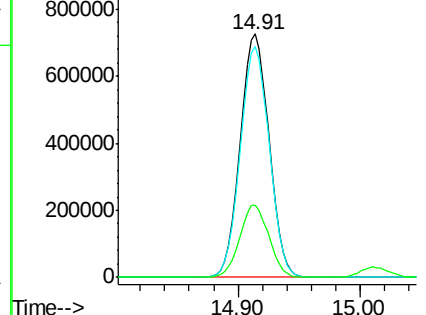
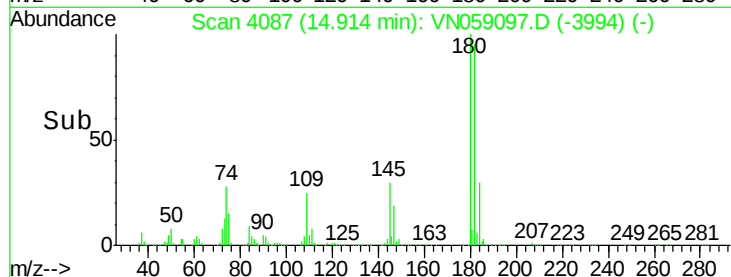
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.1	144.3
145	29.9	15.1	45.3

Manual Integrations
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 11/7/2019 9:16:19 AM

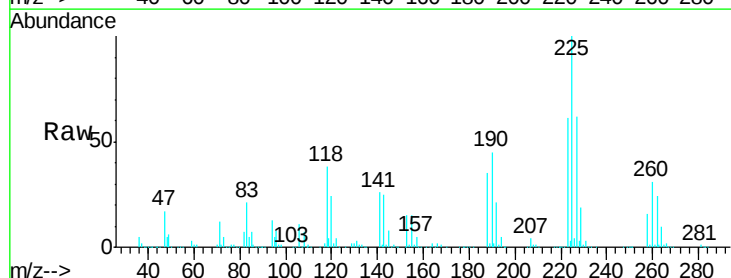


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

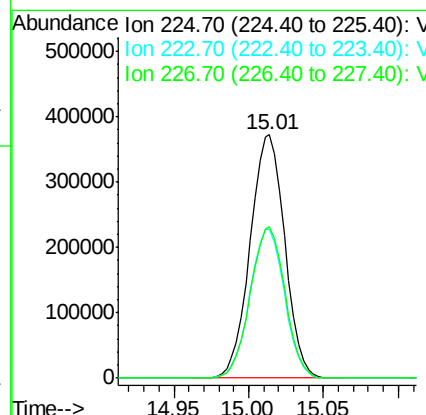
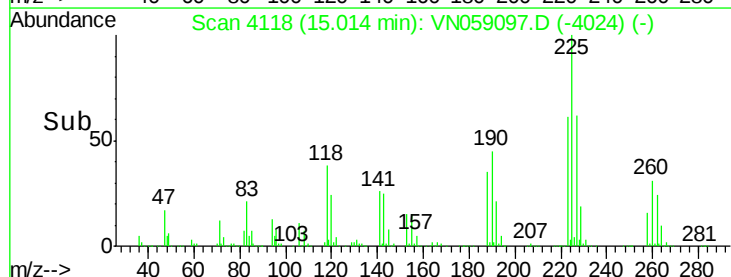


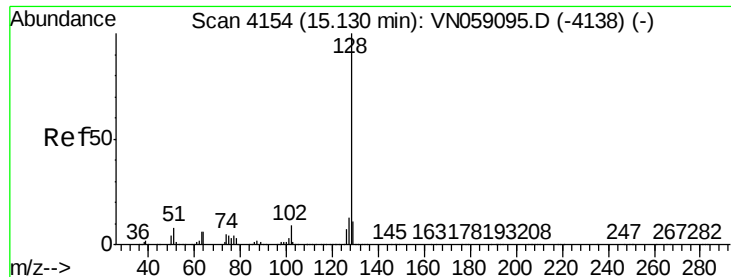
#94
 Hexachlorobutadiene
 Concen: 142.249 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059097.D
 Acq: 6 Nov 2019 10:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.3	93.9
227	62.5	31.5	94.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 170.061 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Instrument :

MSVOA_N

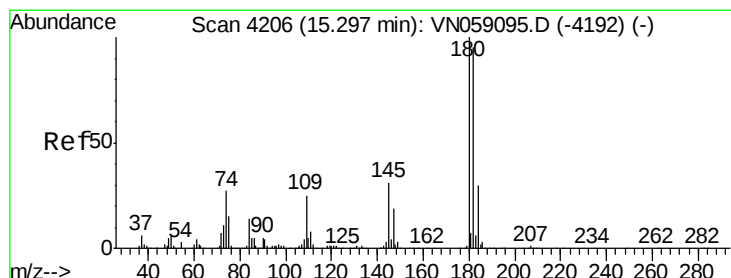
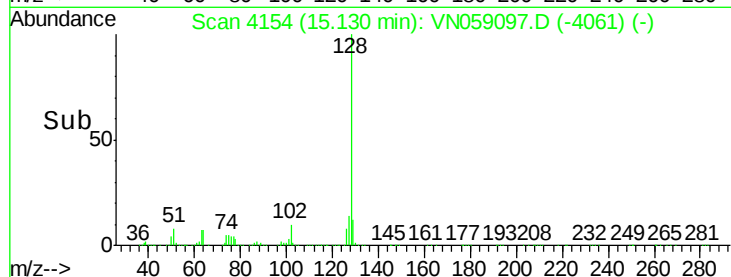
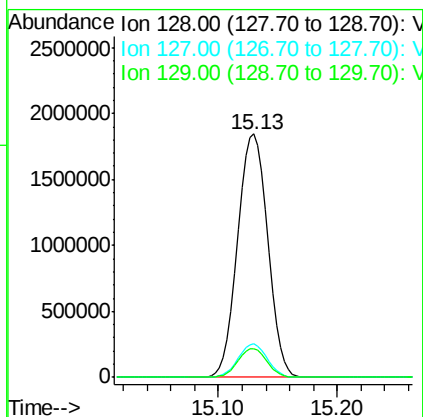
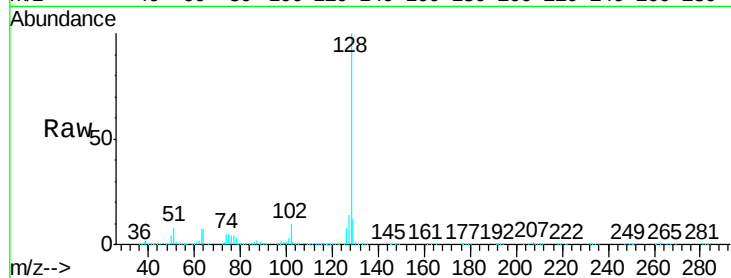
ClientSampleId :

VSTDIC150

Tgt Ion:	128	Resp:	3243460
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.4	8.6	12.8

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#96

1,2,3-Trichlorobenzene

Concen: 162.968 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059097.D

Acq: 6 Nov 2019 10:45

Tgt Ion:	180	Resp:	1160258
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	141.8
145	31.7	15.8	47.3

