

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121219\
 Data File : VN059572.D
 Acq On : 12 Dec 2019 14:27
 Operator : JC/SP
 Sample : VN1212MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212MBS01

Manual Integrations
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 12/13/2019 2:17:08 PM

Quant Time: Dec 13 08:40:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	284851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	456343	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	419470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	197367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	221927	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	
35) Dibromofluoromethane	7.56	113	154875	56.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.74%	
50) Toluene-d8	10.08	98	589259	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
62) 4-Bromofluorobenzene	12.40	95	211035	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	60133	18.303	ug/l	99
3) Chloromethane	2.04	50	98651	19.836	ug/l	98
4) Vinyl Chloride	2.17	62	94206	19.217	ug/l	99
5) Bromomethane	2.54	94	59089	19.790	ug/l	100
6) Chloroethane	2.68	64	56932	19.449	ug/l	97
7) Trichlorofluoromethane	3.00	101	117785	20.100	ug/l	98
8) Diethyl Ether	3.38	74	36239	18.045	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	56052	18.379	ug/l	99
10) Methyl Iodide	3.92	142	71318	17.270	ug/l	100
11) Tert butyl alcohol	4.75	59	66871	101.531	ug/l	100
12) 1,1-Dichloroethene	3.71	96	53177	17.936	ug/l	94
13) Acrolein	3.58	56	38788	121.020	ug/l	97
14) Allyl chloride	4.29	41	106261	18.632	ug/l	98
15) Acrylonitrile	4.95	53	171384	98.661	ug/l	100
16) Acetone	3.79	43	183108	98.458	ug/l	100
17) Carbon Disulfide	4.02	76	166070	17.323	ug/l	98
18) Methyl Acetate	4.29	43	94275	19.308	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	202642	20.562	ug/l	100
20) Methylene Chloride	4.52	84	67292	19.914	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	60113	18.891	ug/l	96
22) Diisopropyl ether	5.92	45	218797	20.152	ug/l	97
23) Vinyl Acetate	5.86	43	911791	100.675	ug/l	99
24) 1,1-Dichloroethane	5.81	63	122176	19.820	ug/l	99
25) 2-Butanone	6.81	43	251700	100.547	ug/l	100
26) 2,2-Dichloropropane	6.79	77	108019	19.397	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	69325	19.369	ug/l	99
28) Bromochloromethane	7.17	49	49906	22.994	ug/l	98
29) Tetrahydrofuran	7.18	42	163269	93.765	ug/l	99
30) Chloroform	7.35	83	121043	19.896	ug/l	96
31) Cyclohexane	7.63	56	108975	18.166	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	105306	19.511	ug/l	100
36) 1,1-Dichloropropene	7.77	75	89479	19.112	ug/l	99
37) Ethyl Acetate	6.90	43	105305	20.232	ug/l	98
38) Carbon Tetrachloride	7.75	117	93435	20.247	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	100416	19.120	ug/l	97
40) Benzene	8.02	78	262192	19.603	ug/l	100
41) Methacrylonitrile	7.15	41	45334m	19.925	ug/l	
42) 1,2-Dichloroethane	8.10	62	104091	20.888	ug/l	99
43) Isopropyl Acetate	8.14	43	161891	20.031	ug/l	98
44) Trichloroethene	8.82	130	67497	19.976	ug/l	99
45) 1,2-Dichloropropane	9.10	63	71712	20.240	ug/l	99
46) Dibromomethane	9.19	93	47674	20.360	ug/l	98
47) Bromodichloromethane	9.39	83	95136	20.443	ug/l	100
48) Methyl methacrylate	9.18	41	71202	20.149	ug/l	99
49) 1,4-Dioxane	9.19	88	23246	514.140	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	495371	95.968	ug/l	100
52) Toluene	10.14	92	160352	20.122	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	108479	20.007	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	113831	20.512	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	64947	20.151	ug/l	99
56) Ethyl methacrylate	10.42	69	93778	18.299	ug/l	99
57) 1,3-Dichloropropane	10.70	76	113717	20.659	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	165721	125.512	ug/l	99
59) 2-Hexanone	10.74	43	373689	96.645	ug/l	99
60) Dibromochloromethane	10.90	129	70116	18.894	ug/l	100
61) 1,2-Dibromoethane	11.00	107	66677	19.872	ug/l	100
64) Tetrachloroethene	10.62	164	65923	21.503	ug/l	98
65) Chlorobenzene	11.43	112	167406	19.047	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	64441	19.658	ug/l	99
67) Ethyl Benzene	11.51	91	303883	19.213	ug/l	99
68) m/p-Xylenes	11.62	106	222899	37.568	ug/l	97
69) o-Xylene	11.94	106	106337	19.256	ug/l	95
70) Styrene	11.96	104	173353	18.948	ug/l	99
71) Bromoform	12.12	173	49022	19.006	ug/l #	98
73) Isopropylbenzene	12.25	105	288146	19.463	ug/l	98
74) N-amyl acetate	12.07	43	128648	19.949	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	93922	18.722	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	91505m	18.130	ug/l	
77) Bromobenzene	12.52	156	68980	18.716	ug/l	93
78) n-propylbenzene	12.59	91	342675	18.836	ug/l	99
79) 2-Chlorotoluene	12.67	91	201230	18.550	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	244399	19.251	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	34379	18.326	ug/l #	87
82) 4-Chlorotoluene	12.77	91	211515	19.069	ug/l	99
83) tert-Butylbenzene	12.99	119	200726	18.960	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	242648	19.357	ug/l	99
85) sec-Butylbenzene	13.17	105	276444	19.011	ug/l	99
86) p-Isopropyltoluene	13.29	119	252603	19.436	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	124338	18.315	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	126041	18.962	ug/l	99
89) n-Butylbenzene	13.61	91	231873	19.001	ug/l	98
90) Hexachloroethane	13.87	117	47264	19.802	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	122751	19.268	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22322	20.678	ug/l	90

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Quant Title : SW846 8260
QLast Update : Tue Dec 10 01:09:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	77753	17.646	ug/l	99
94) Hexachlorobutadiene	15.01	225	41132	18.272	ug/l	99
95) Naphthalene	15.13	128	228740	17.759	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	77799	19.663	ug/l	99

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

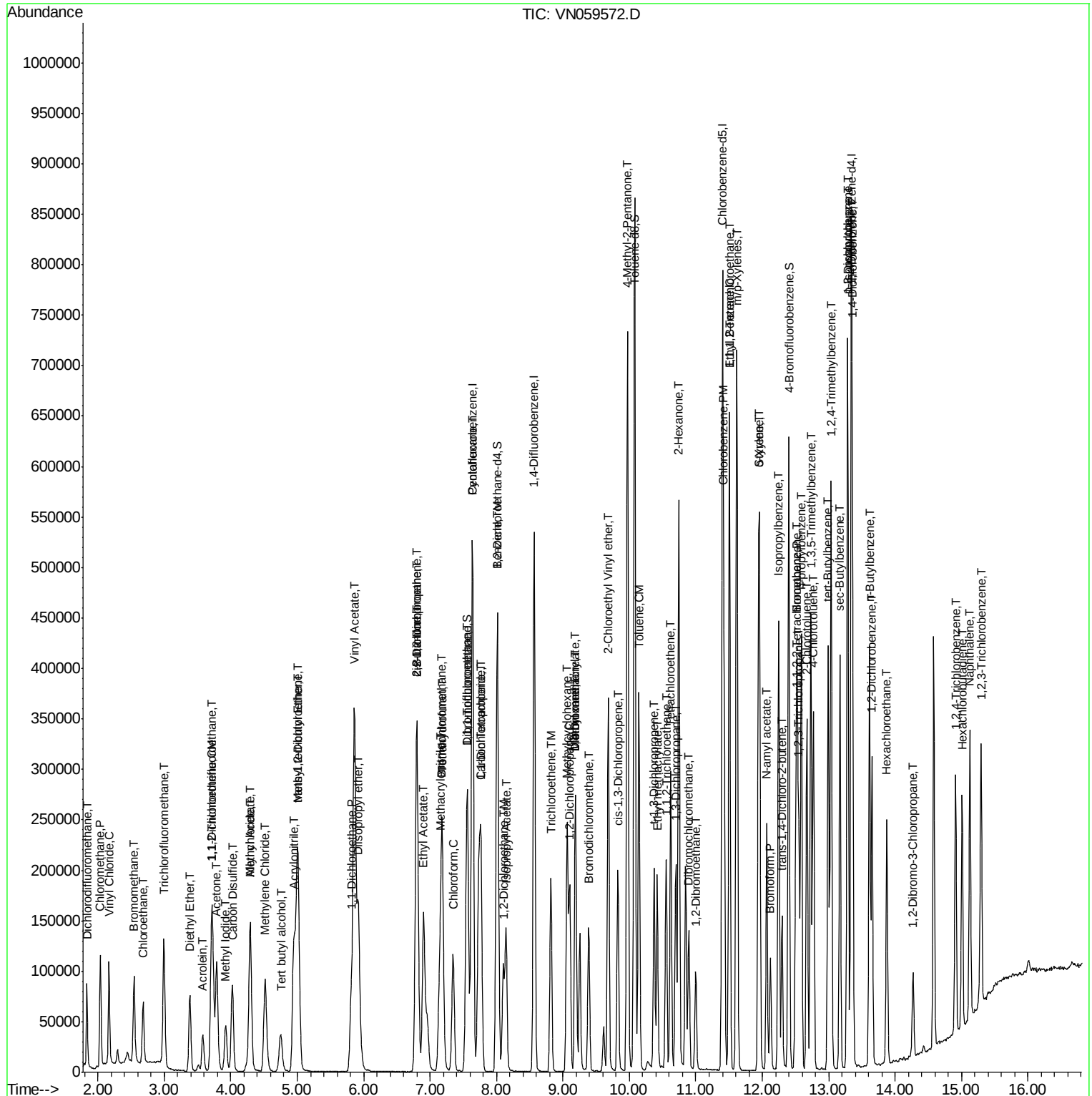
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121219\
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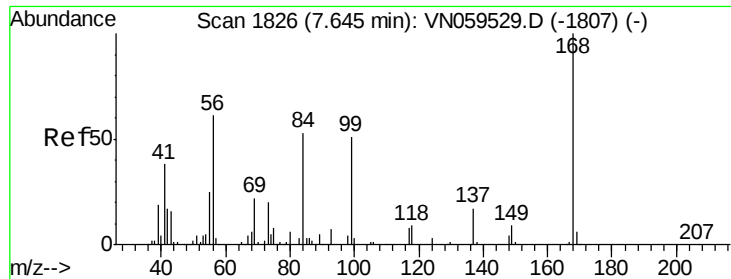
Instrument :
MSVOA_N
Client Sample Id :
VN1212MBS01

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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: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

Tot Ion:168 Resp: 284851

Ion Ratio Lower Upper

168 100

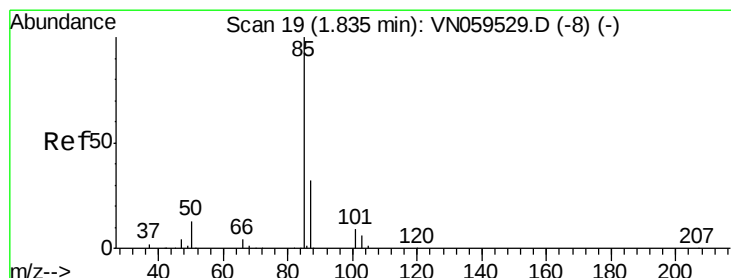
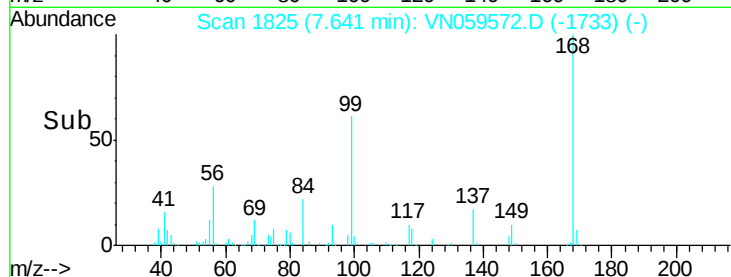
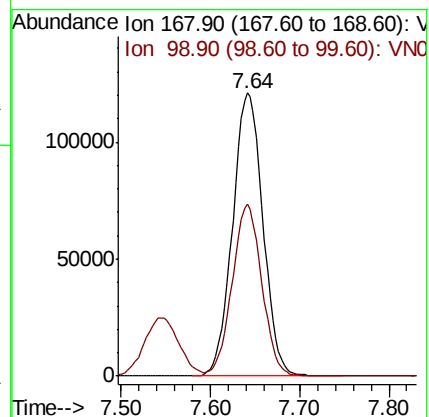
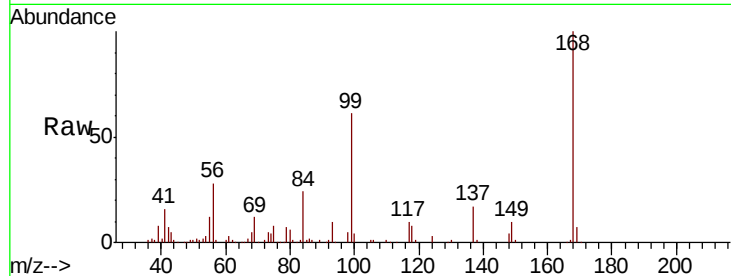
99 61.0 46.6 70.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 18.303 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059572.D

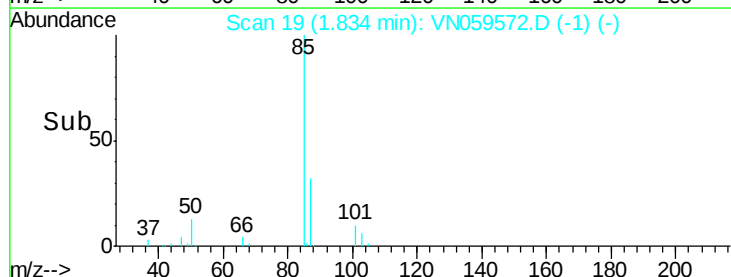
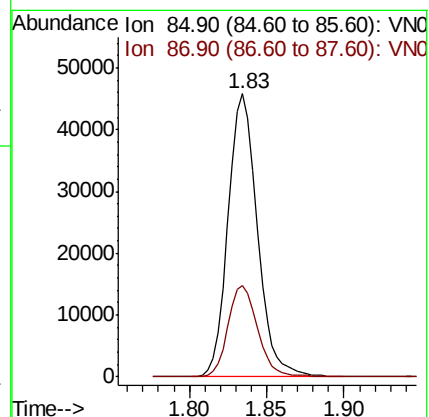
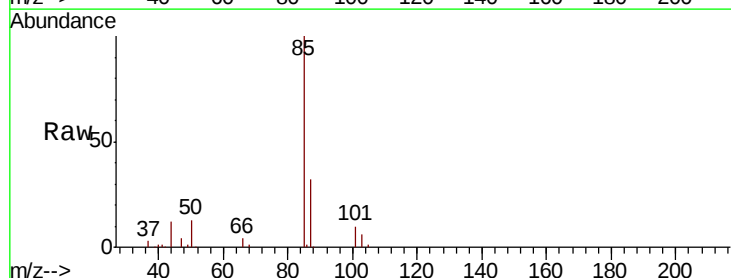
Acq: 12 Dec 2019 14:27

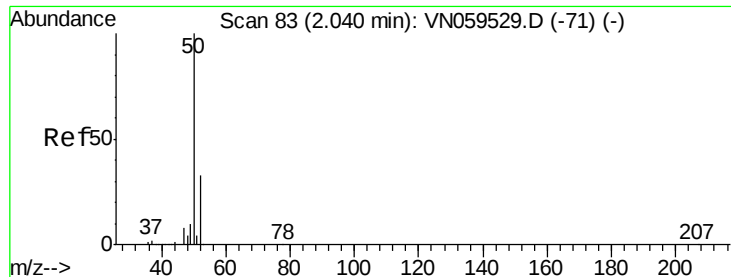
Tgt Ion: 85 Resp: 60133

Ion Ratio Lower Upper

85 100

87 32.5 16.0 48.0





#3

Chloromethane

Concen: 19.836 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

Tot Ion: 50 Resp: 98651

Ion Ratio Lower Upper

50 100

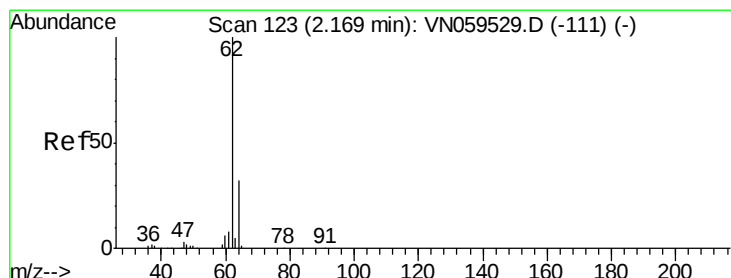
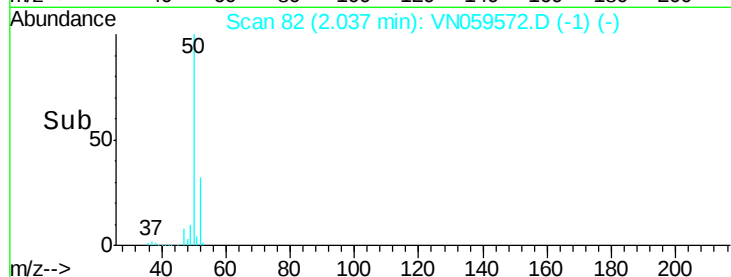
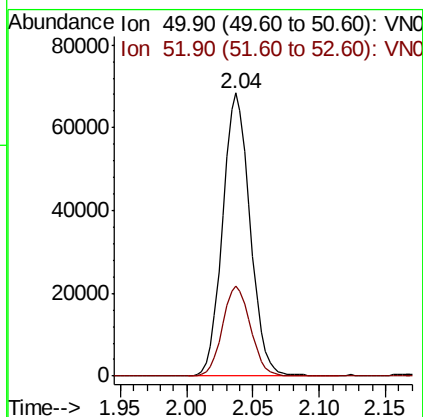
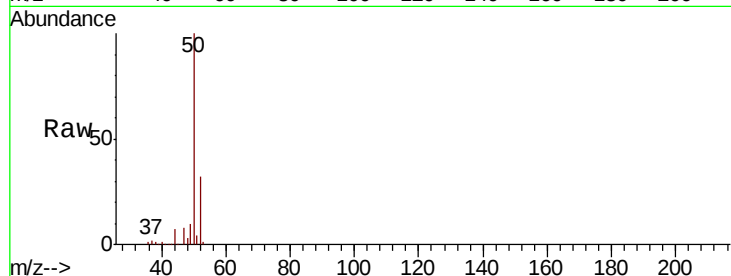
52 31.7 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.217 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059572.D

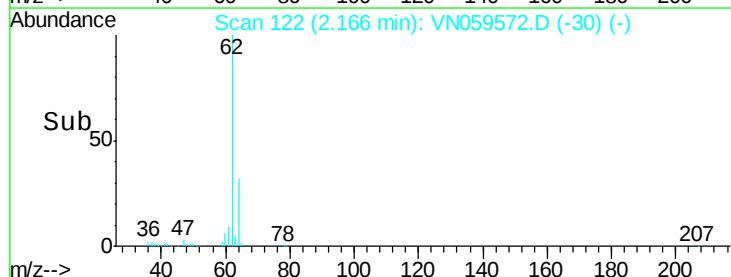
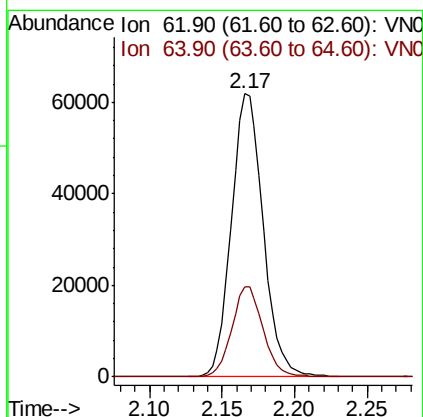
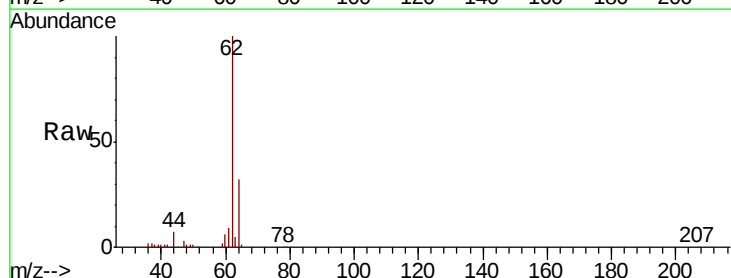
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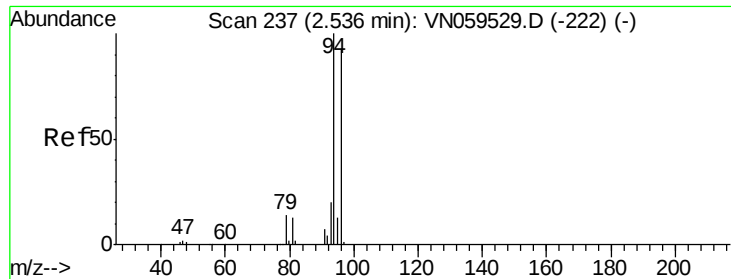
Tgt Ion: 62 Resp: 94206

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 19.790 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

Tot Ion: 94 Resp: 59089

Ion Ratio Lower Upper

94 100

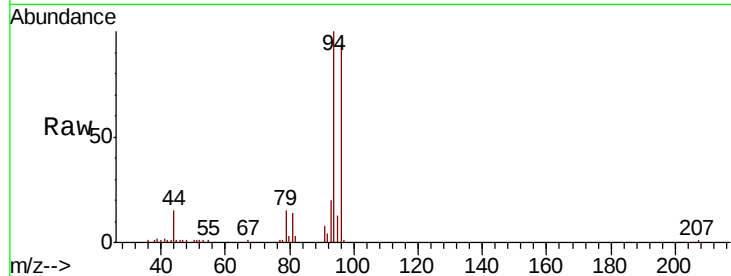
96 93.6 74.6 112.0

Manual Integrations

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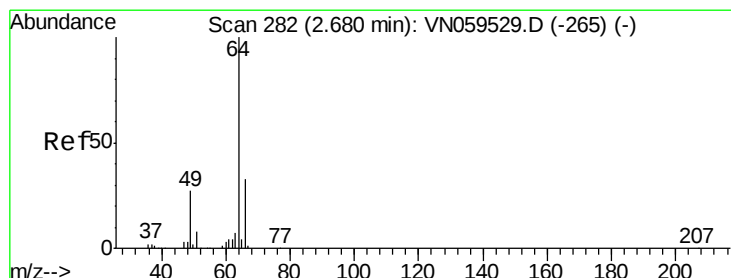
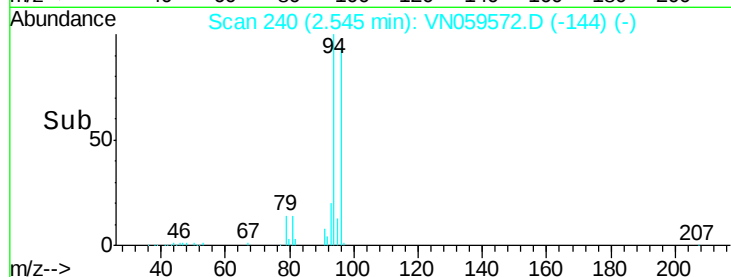
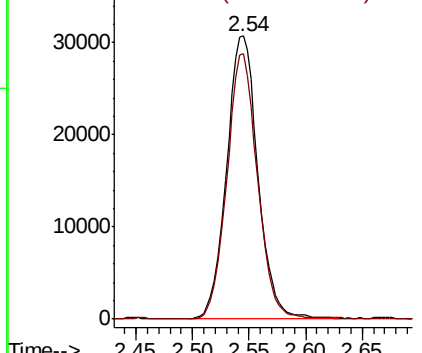
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.449 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059572.D

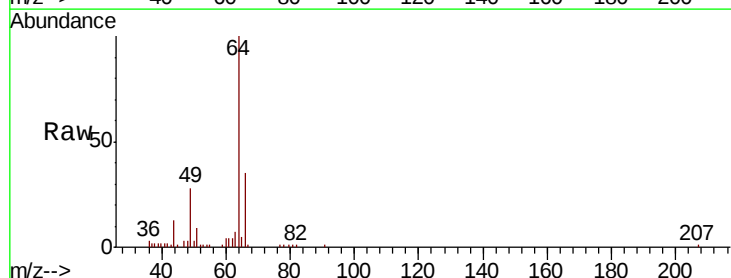
Acq: 12 Dec 2019 14:27

Tgt Ion: 64 Resp: 56932

Ion Ratio Lower Upper

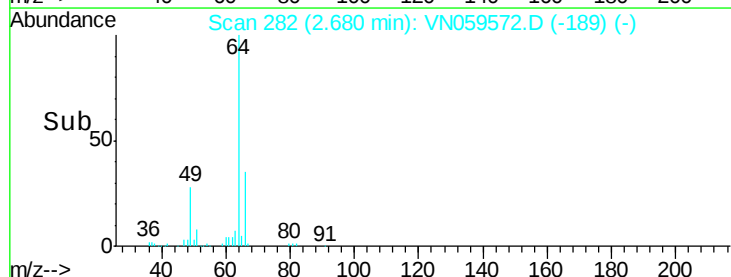
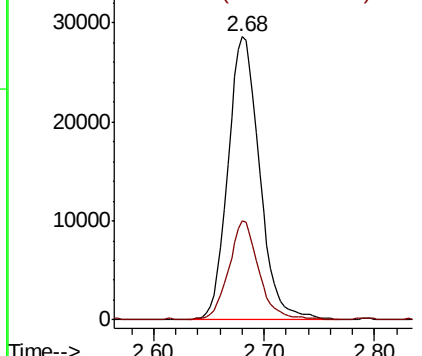
64 100

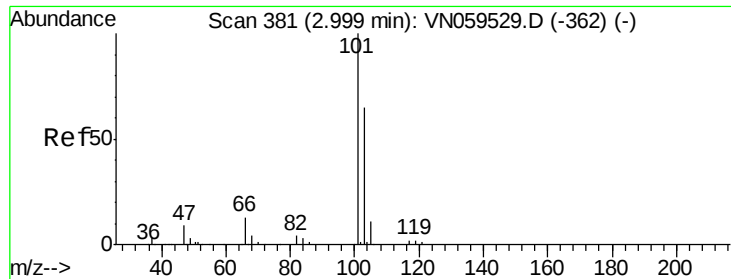
66 34.9 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

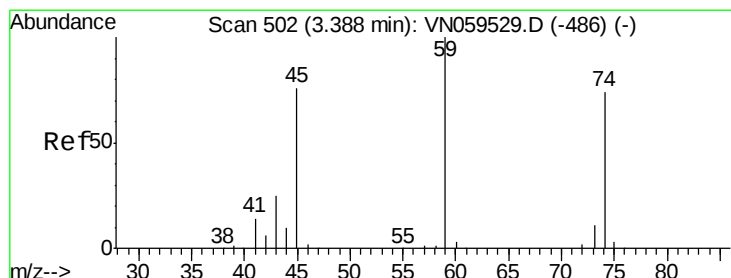
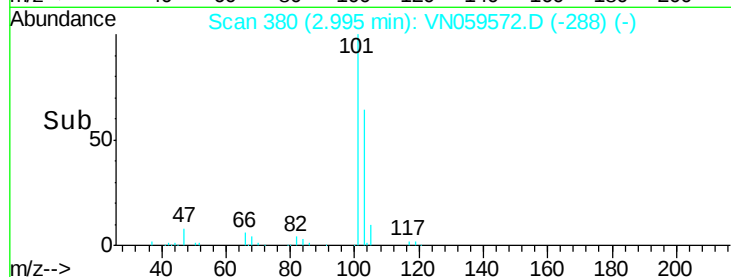
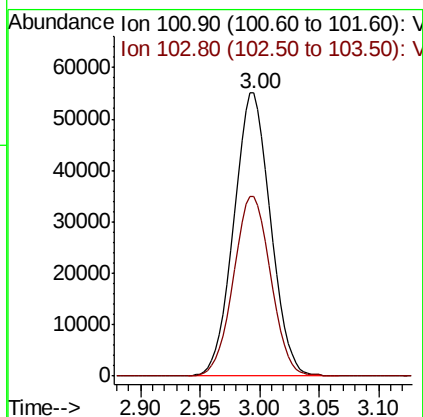
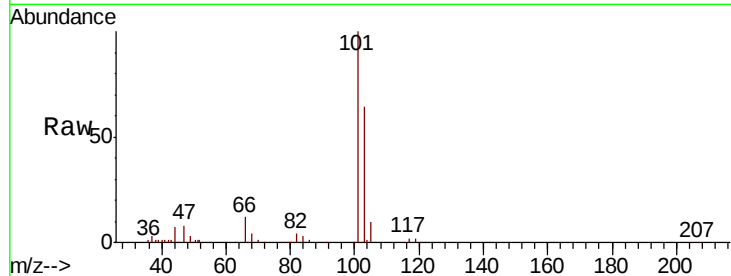
Trichlorofluoromethane
Concen: 20.100 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.2	78.4

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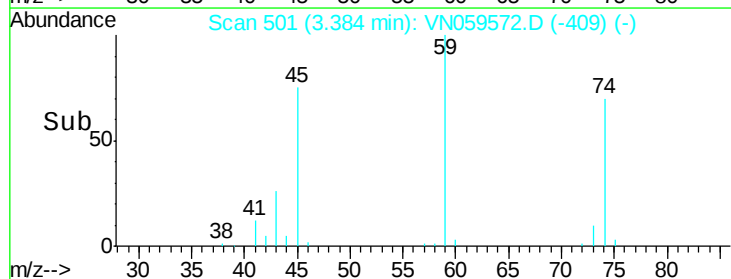
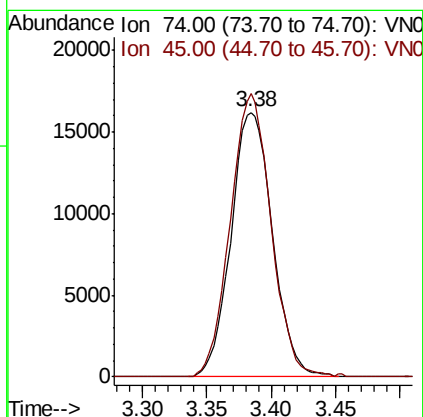
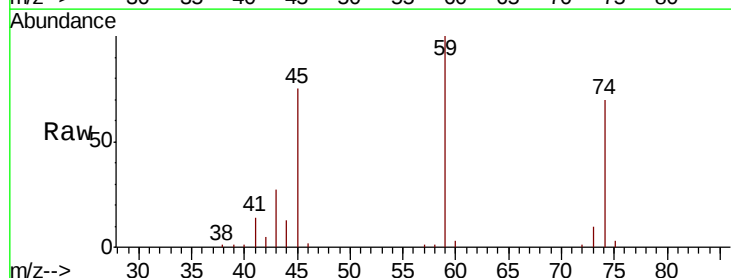
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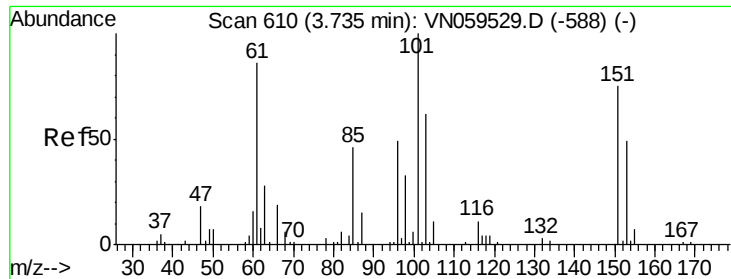


#8

Diethyl Ether
Concen: 18.045 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.2	52.6	157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.379 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

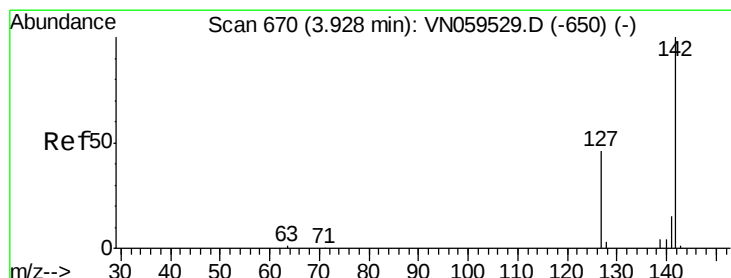
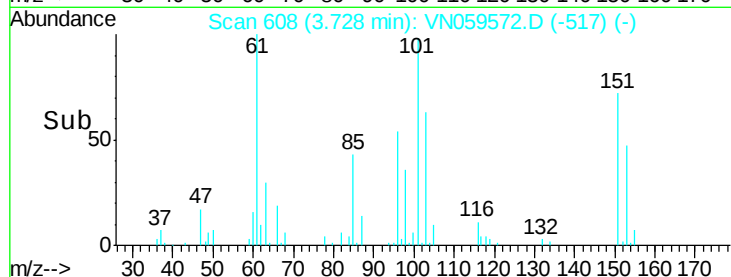
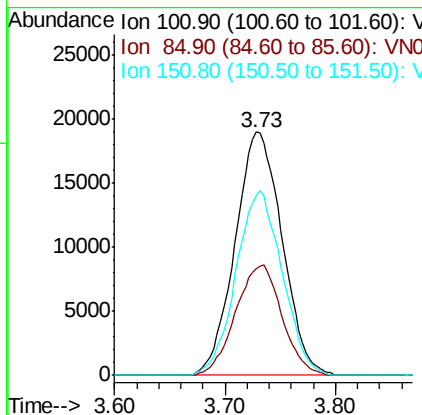
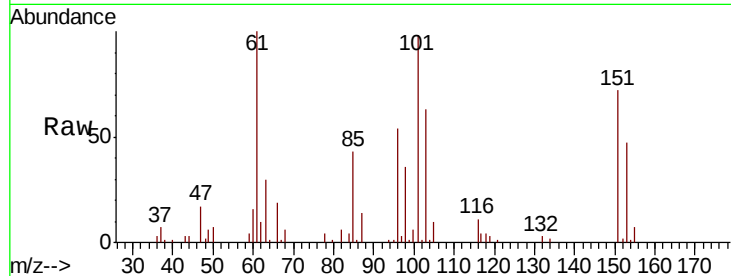
ClientSampleId :

VN1212MBS01

Tot Ion:	101	Resp:	56052
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.6	54.8
151	74.7	59.3	88.9

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#10

Methyl Iodide

Concen: 17.270 ug/l

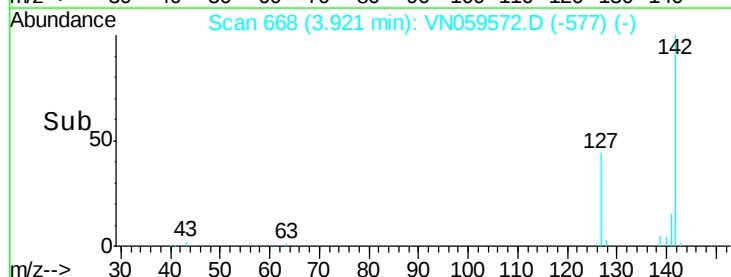
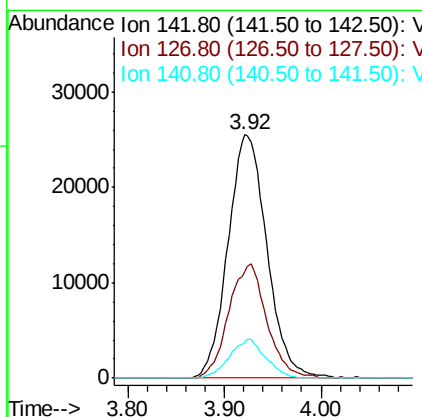
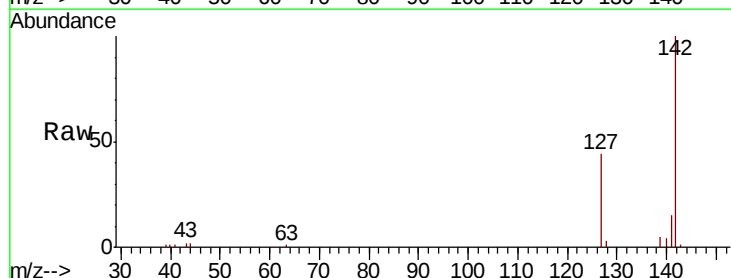
RT: 3.92 min Scan# 668

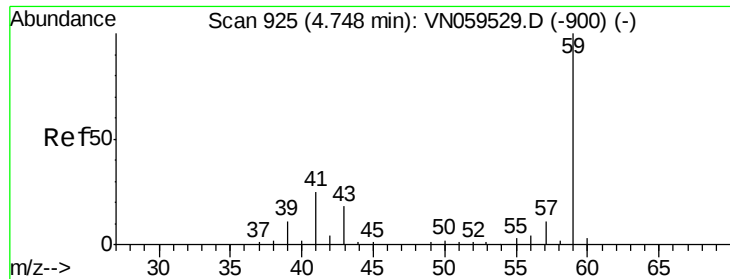
Delta R.T. -0.01 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Tgt Ion:	142	Resp:	71318
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.6	54.8
141	14.7	11.6	17.4





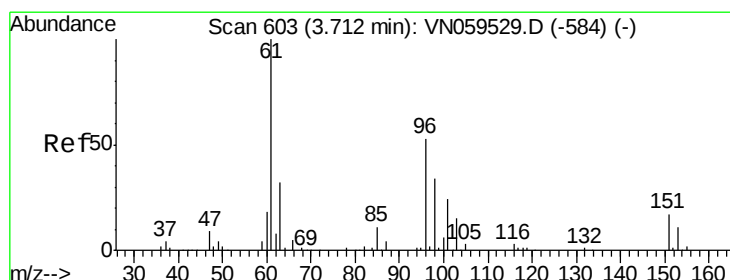
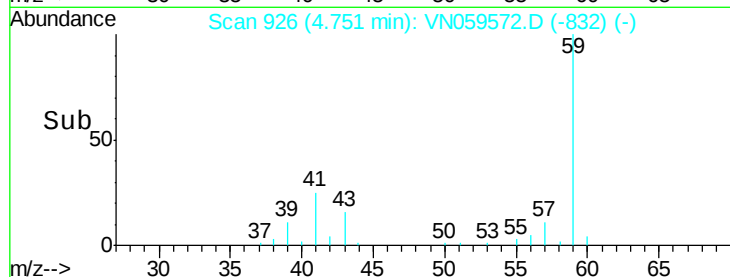
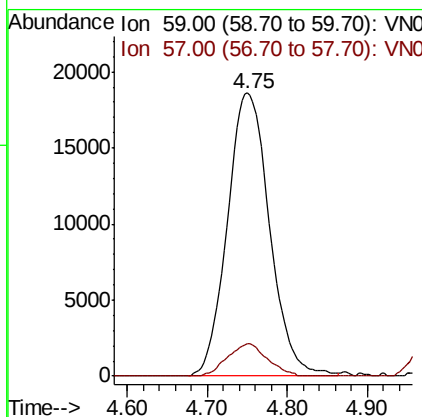
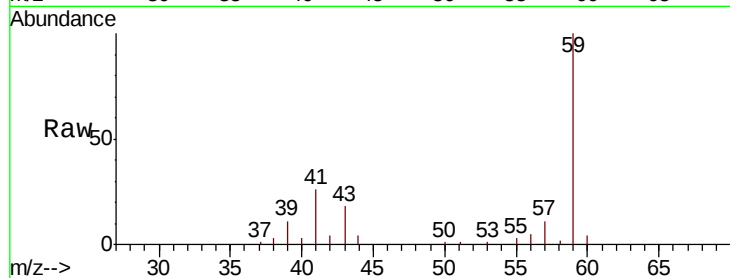
#11
Tert butyl alcohol
Concen: 101.531 ug/l
RT: 4.75 min Scan# 926
Delta R.T. 0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	13.0

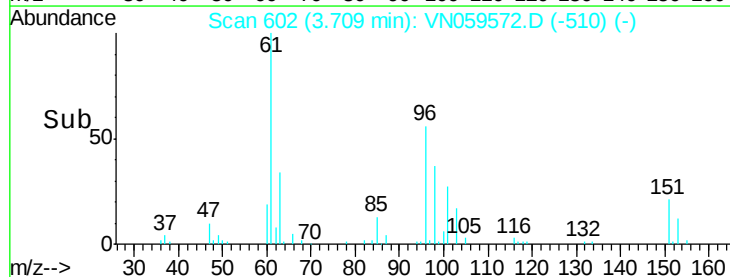
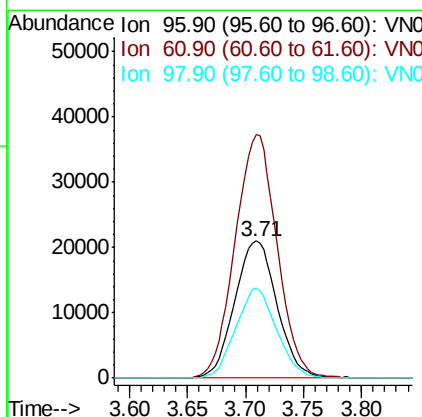
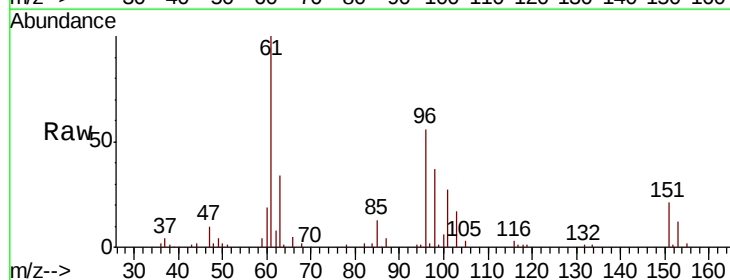
Manual Integrations
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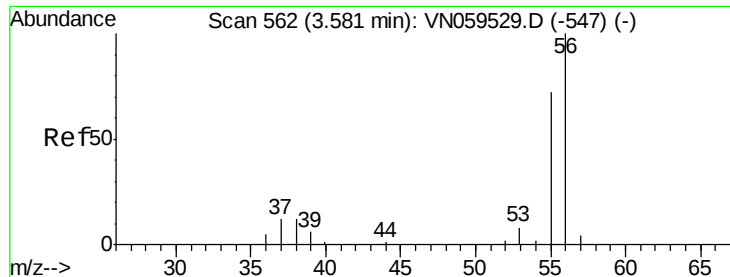
apatel
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#12
1,1-Dichloroethene
Concen: 17.936 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.7	149.8	224.6
98	66.1	50.6	75.8





#13

Acrolein

Concen: 121.020 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

Tot Ion: 56 Resp: 38788

Ion Ratio Lower Upper

56 100

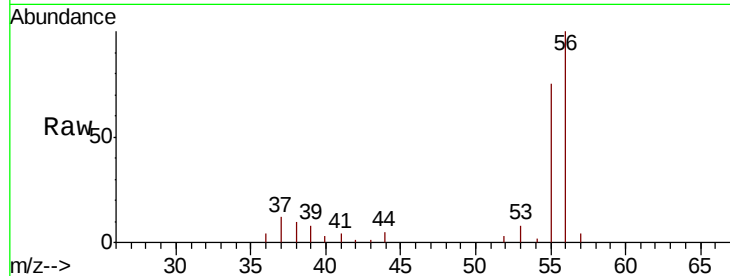
55 73.4 56.9 85.3

Manual Integrations

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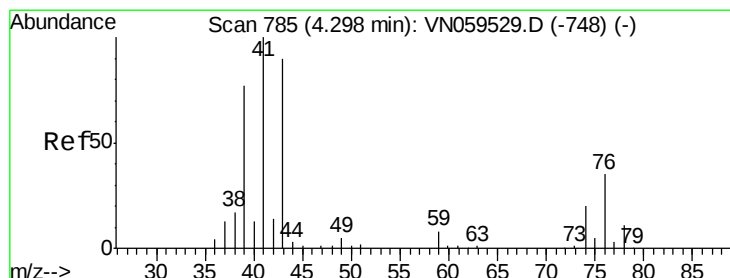
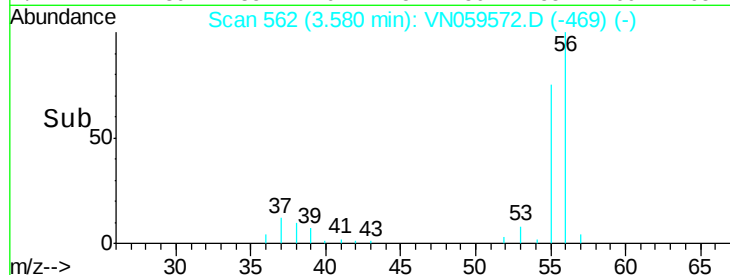
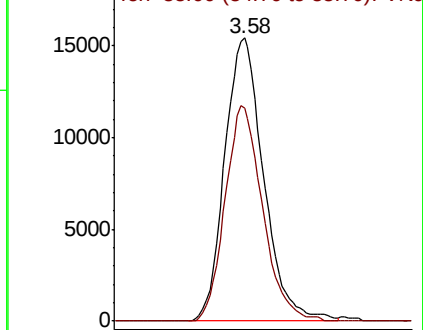
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.632 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

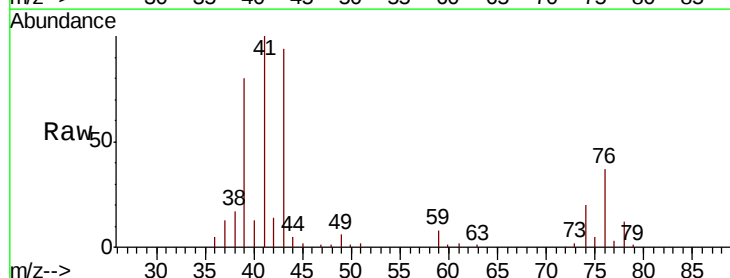
Tgt Ion: 41 Resp: 106261

Ion Ratio Lower Upper

41 100

39 72.8 56.7 85.1

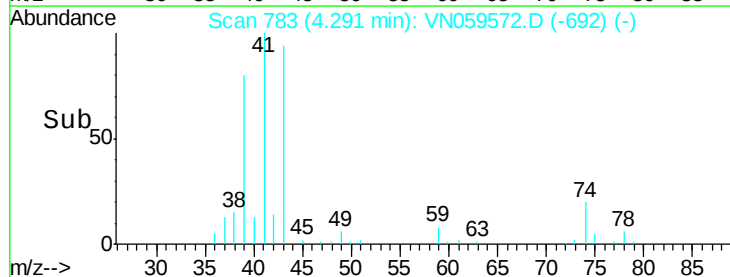
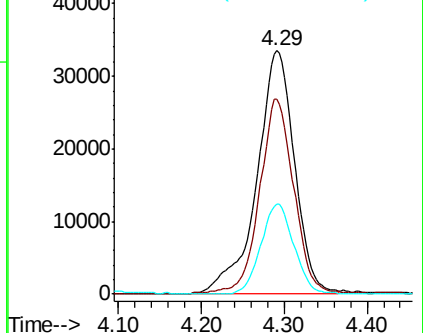
76 32.4 25.5 38.3

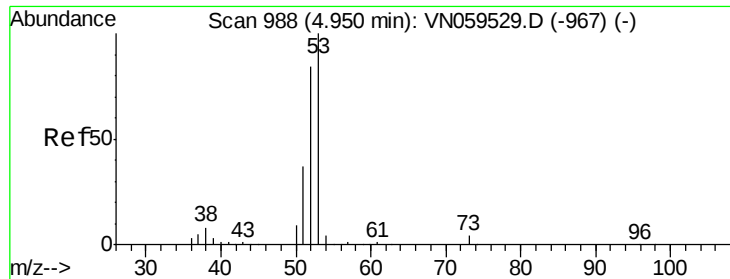


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 98.661 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

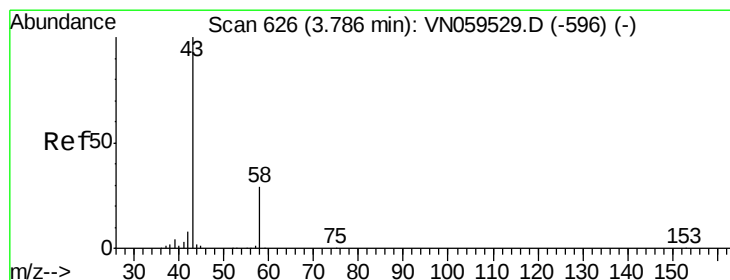
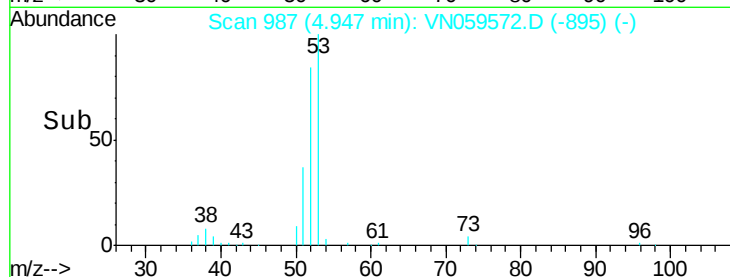
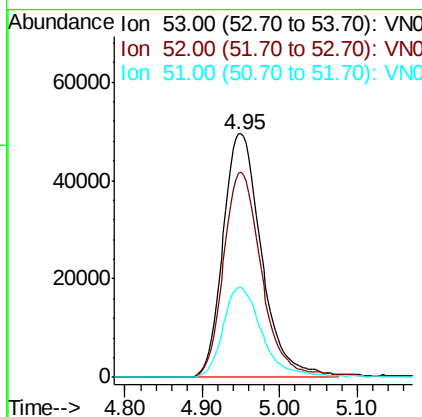
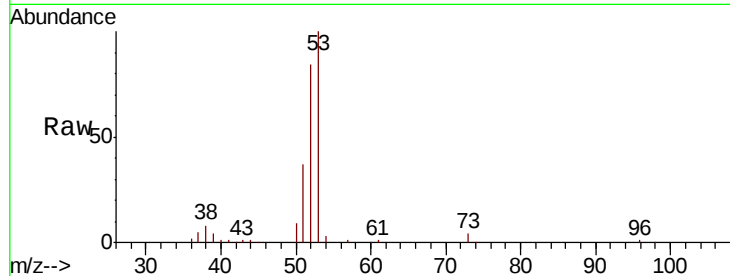
ClientSampleId :

VN1212MBS01

Tot Ion:	53	Resp:	171384
Ion Ratio		Lower	Upper
53	100		
52	82.9	66.6	99.8
51	36.9	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 98.458 ug/l

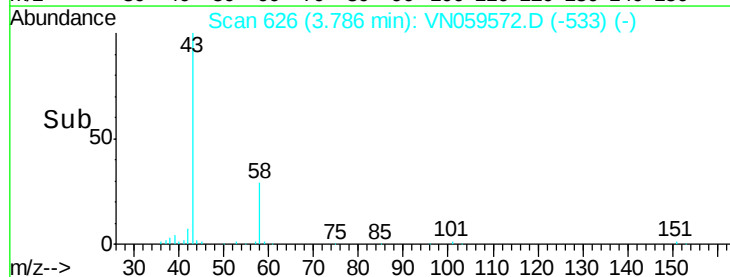
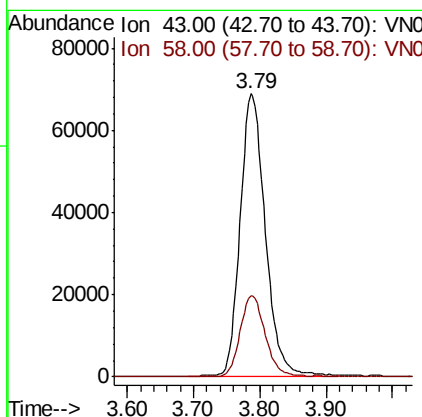
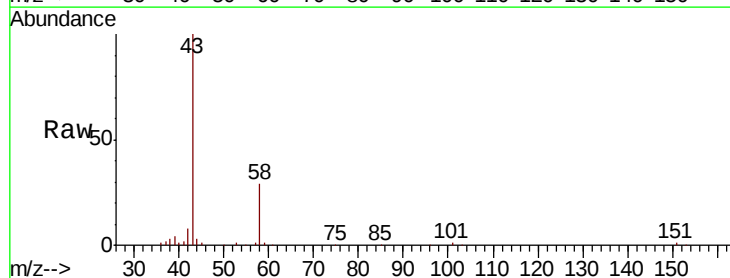
RT: 3.79 min Scan# 626

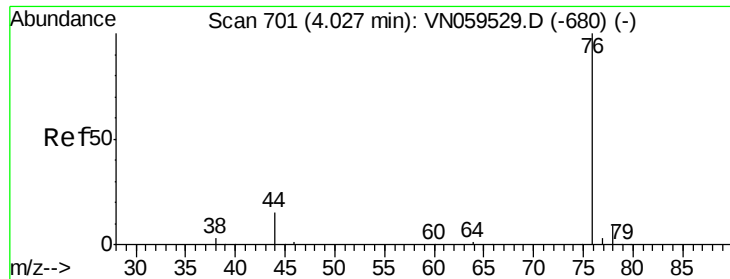
Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Tgt Ion:	43	Resp:	183108
Ion Ratio		Lower	Upper
43	100		
58	28.8	23.0	34.4





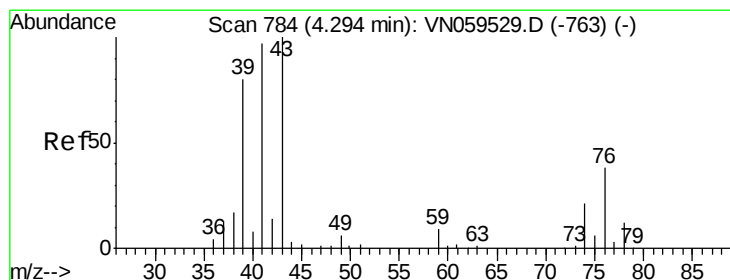
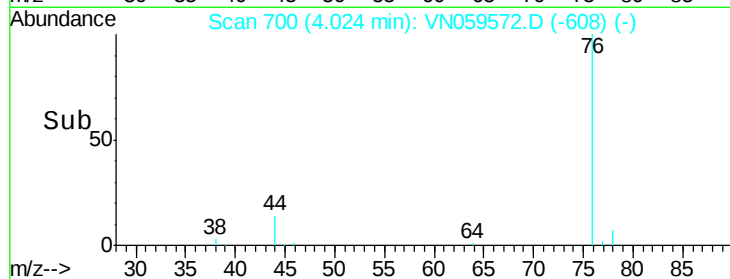
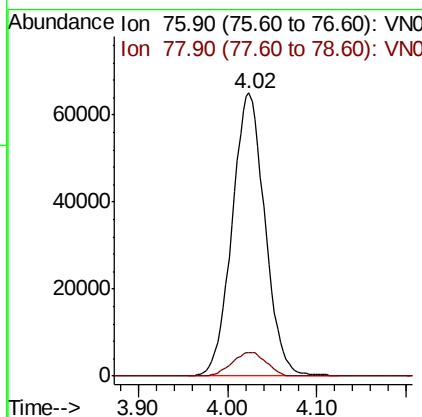
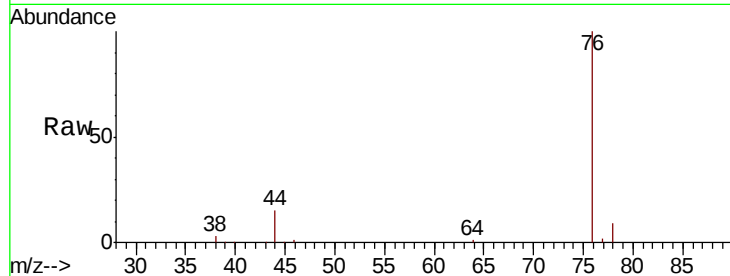
#17
Carbon Disulfide
Concen: 17.323 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion: 76 Resp: 166070
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2

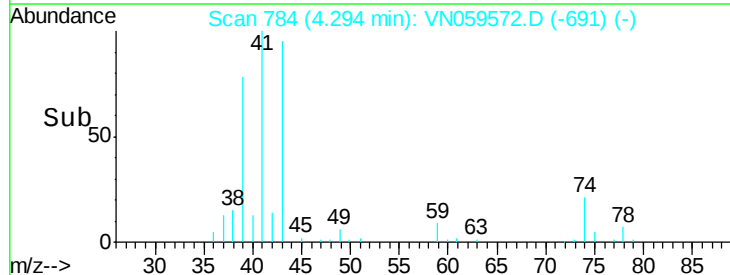
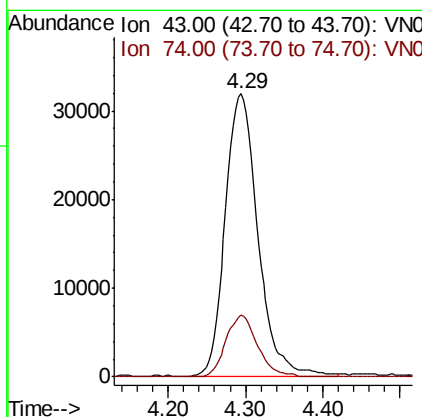
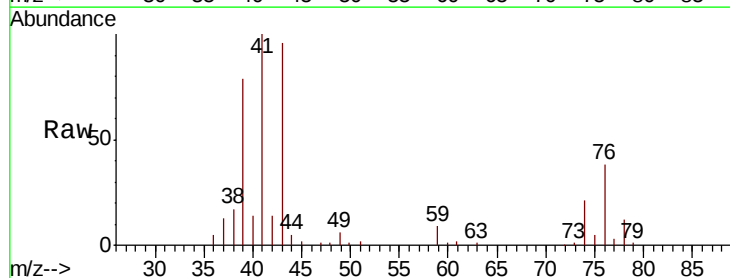
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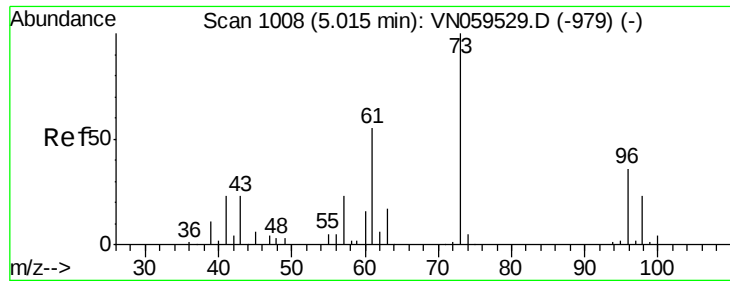
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#18
Methyl Acetate
Concen: 19.308 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion: 43 Resp: 94275
Ion Ratio Lower Upper
43 100
74 20.9 17.5 26.3





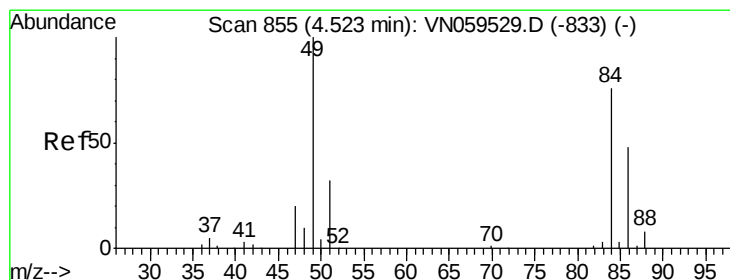
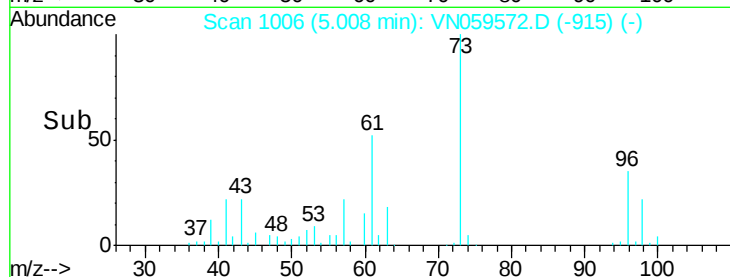
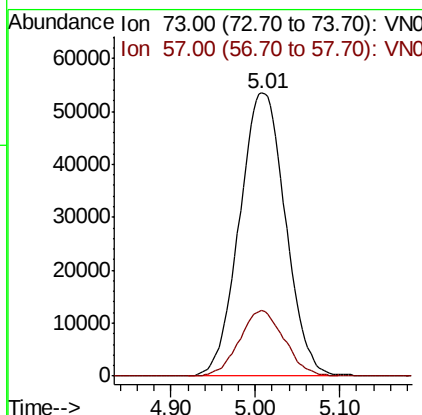
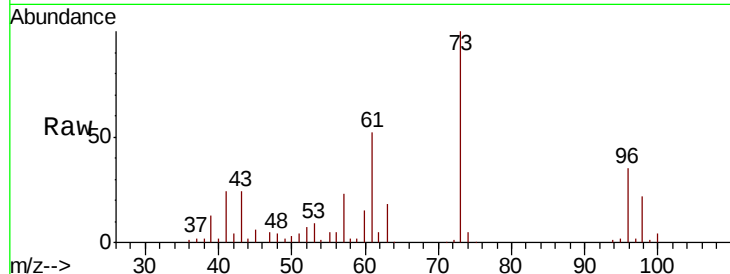
#19
Methvl tert-butvl Ether
Concen: 20.562 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion: 73 Resp: 202642
Ion Ratio Lower Upper
73 100
57 23.1 18.3 27.5

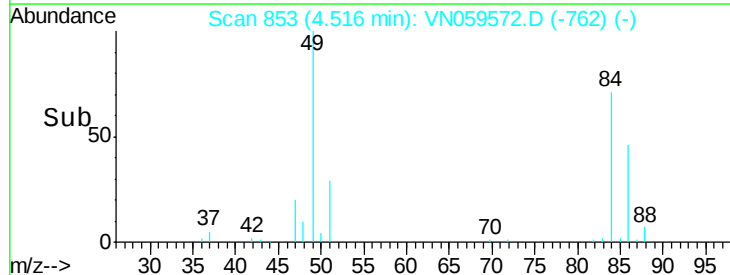
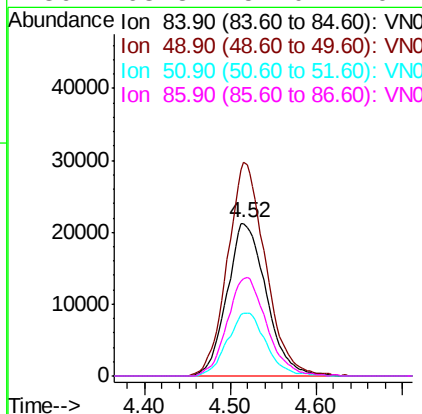
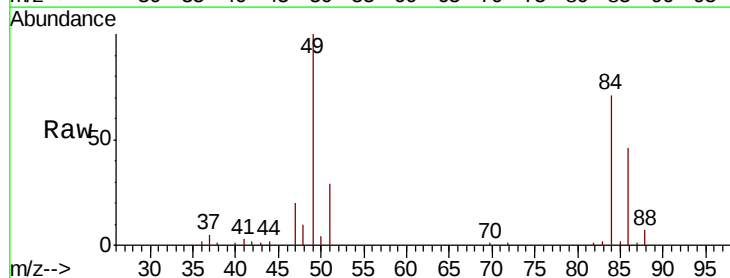
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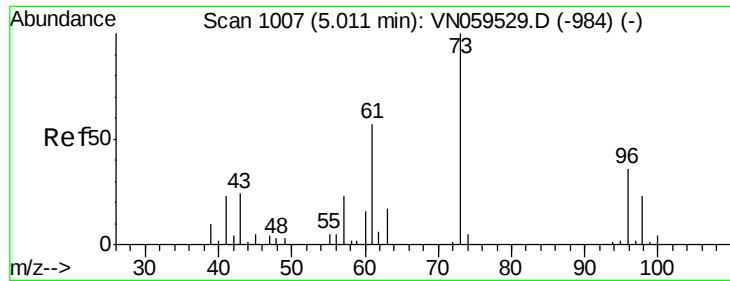
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#20
Methylene Chloride
Concen: 19.914 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion: 84 Resp: 67292
Ion Ratio Lower Upper
84 100
49 140.0 105.8 158.8
51 41.0 33.7 50.5
86 63.8 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 18.891 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

Tot Ion: 96 Resp: 60113

Ion Ratio Lower Upper

96 100

61 150.0 124.8 187.2

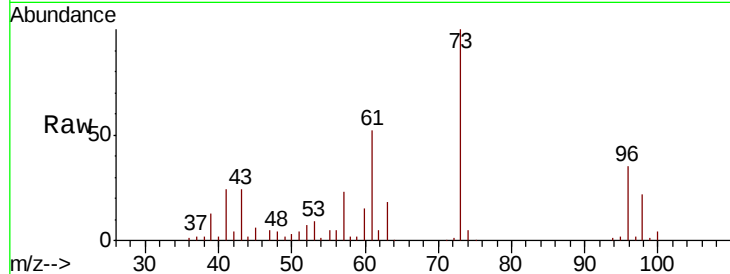
98 61.7 51.0 76.4

Manual Integrations

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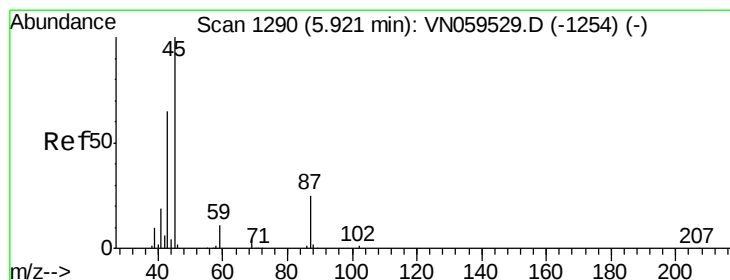
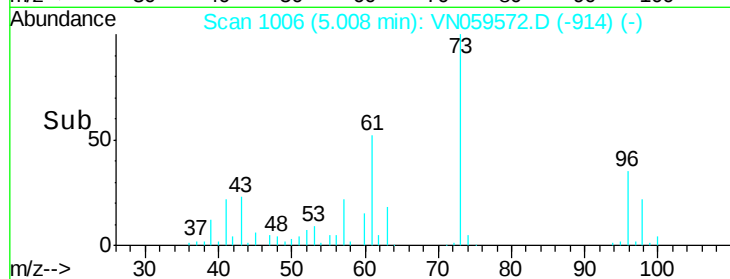
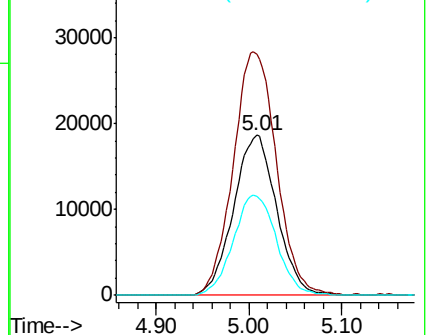
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Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.152 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Tgt Ion: 45 Resp: 218797

Ion Ratio Lower Upper

45 100

43 69.3 52.8 79.2

87 26.0 20.2 30.4

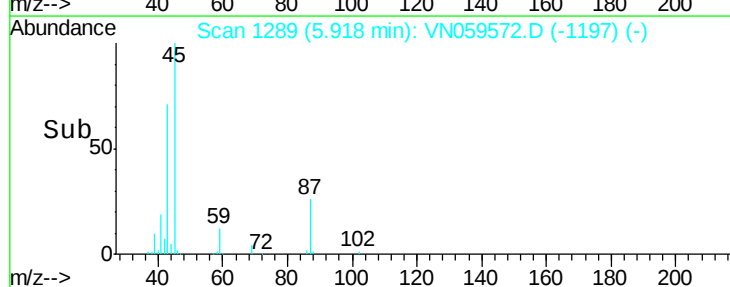
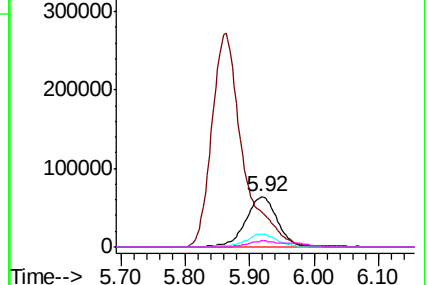
59 11.4 9.1 13.7

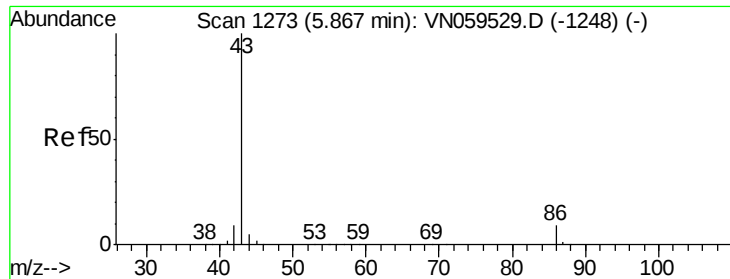
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 100.675 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

Tot Ion: 43 Resp: 911791

Ion Ratio Lower Upper

43 100

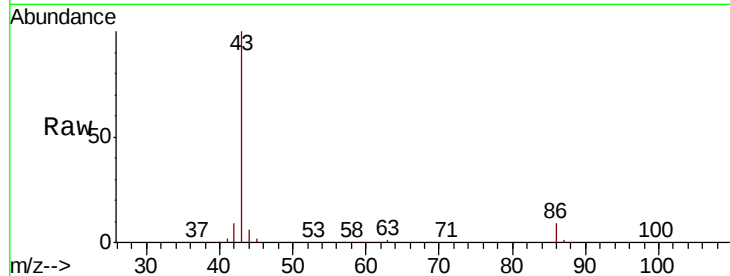
86 9.5 7.4 11.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

300000

250000

200000

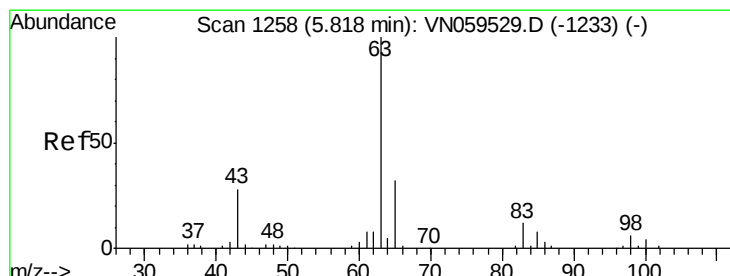
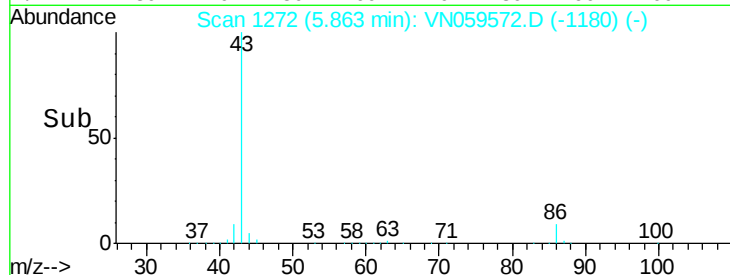
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.820 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

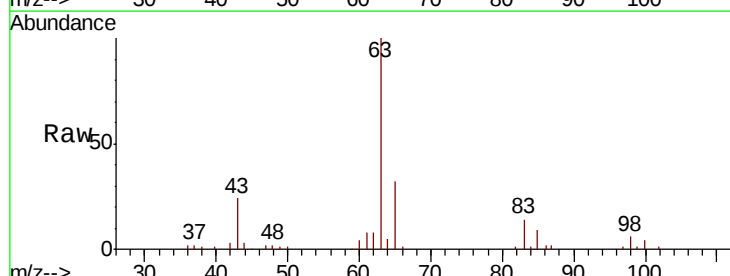
Tgt Ion: 63 Resp: 122176

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

100 4.0 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.81

50000

40000

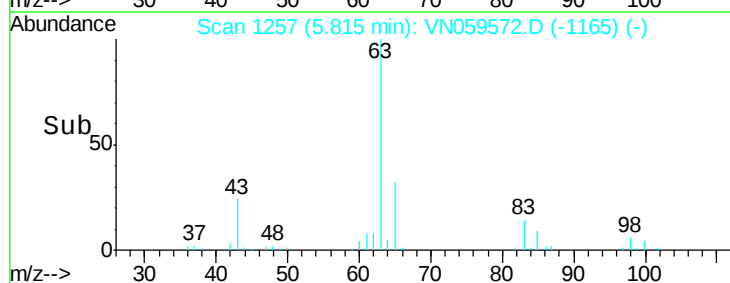
30000

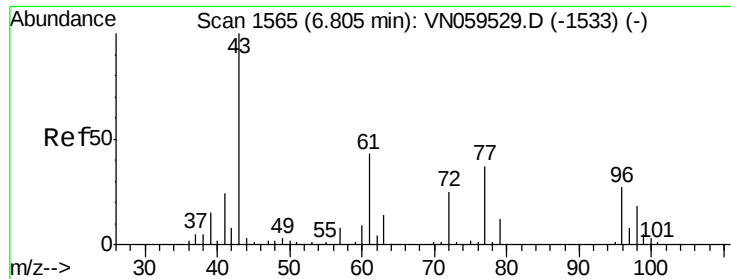
20000

10000

0

Time-->





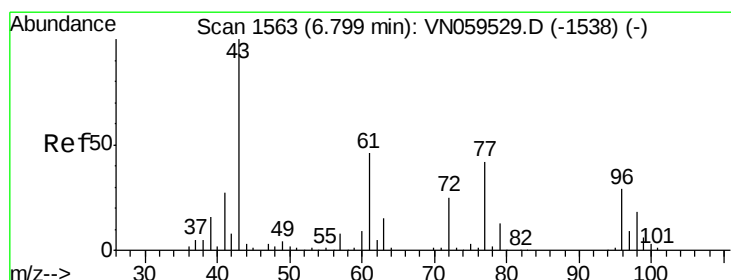
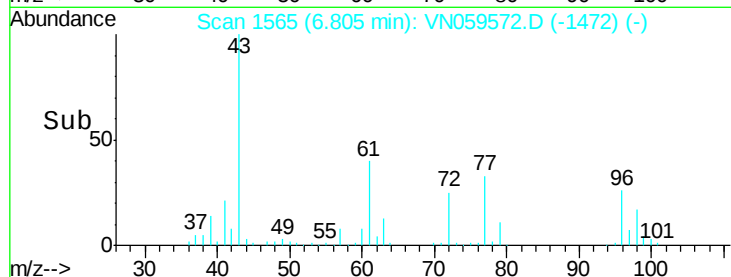
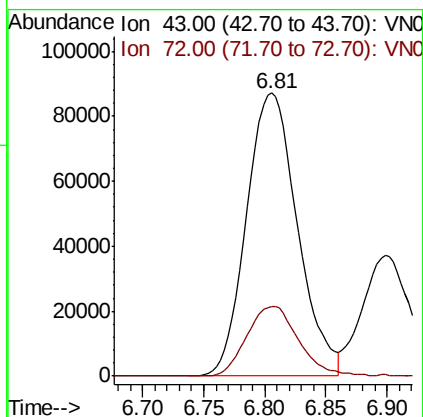
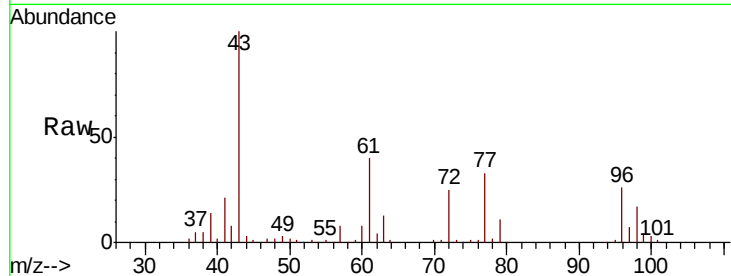
#25
2-Butanone
Concen: 100.547 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion: 43 Resp: 251700
Ion Ratio Lower Upper
43 100
72 24.8 19.9 29.9

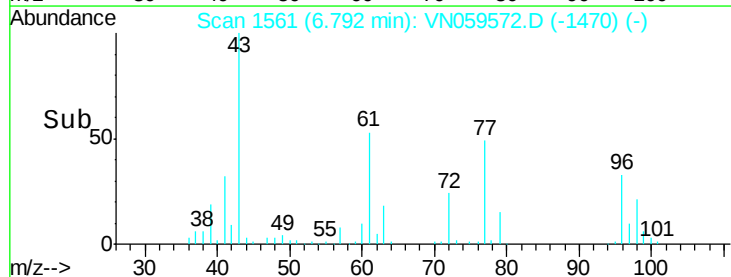
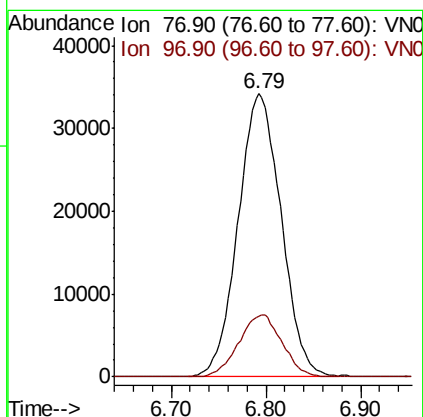
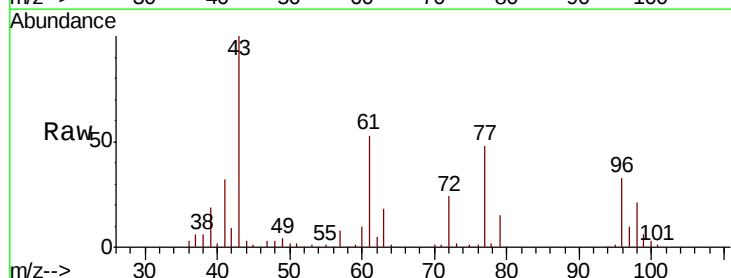
Manual Integrations
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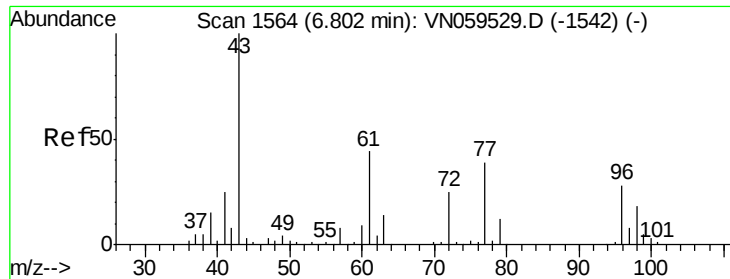
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#26
2,2-Dichloropropane
Concen: 19.397 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion: 77 Resp: 108019
Ion Ratio Lower Upper
77 100
97 21.9 10.5 31.6





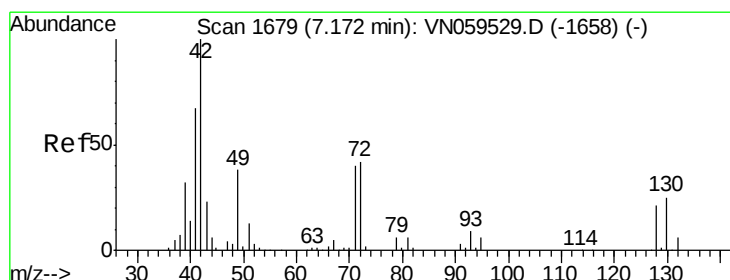
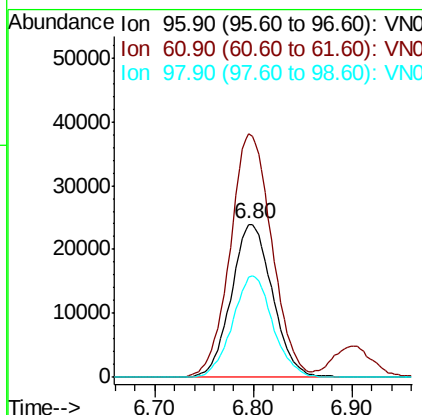
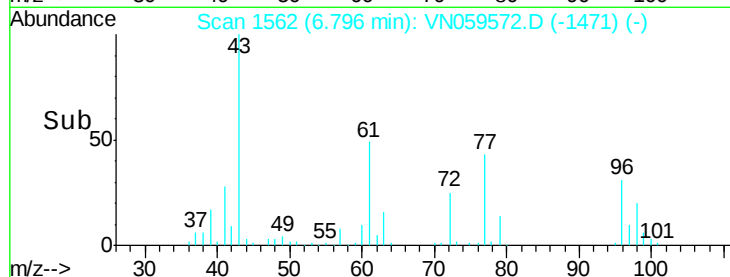
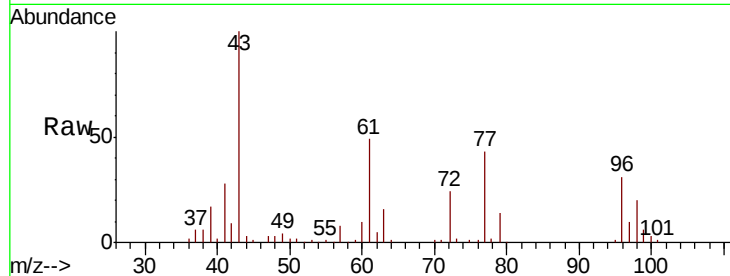
#27
 cis-1,2-Dichloroethene
 Concen: 19.369 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	69325		
61	161.3		0.0	320.0
98	64.6		0.0	128.6

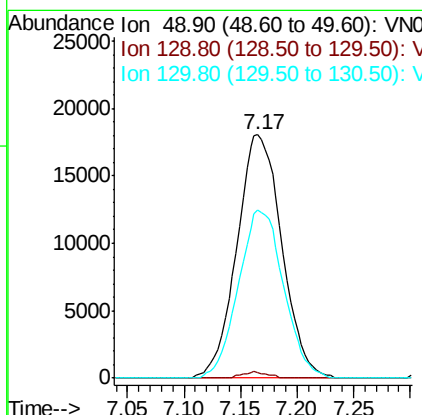
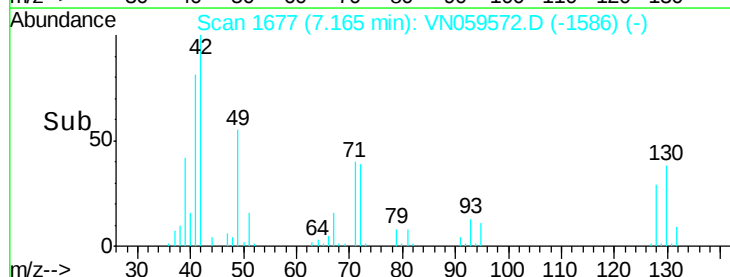
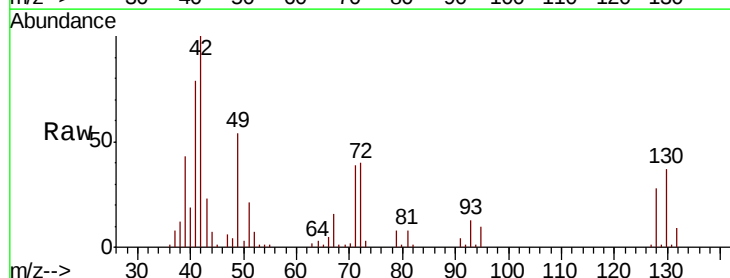
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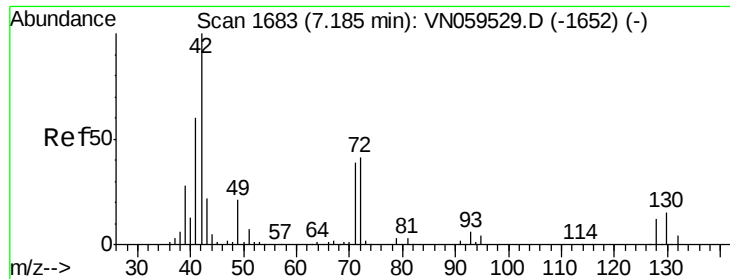
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#28
 Bromochloromethane
 Concen: 22.994 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.01 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	49906		
129	1.4		0.0	3.0
130	69.5		54.2	81.2





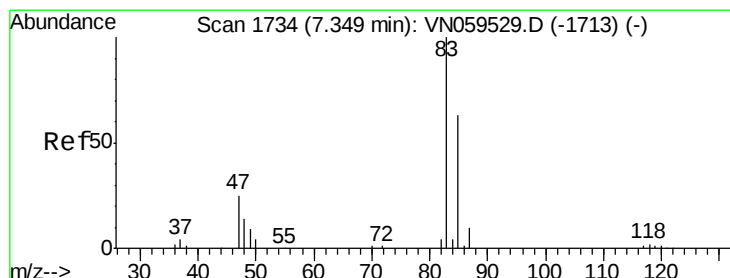
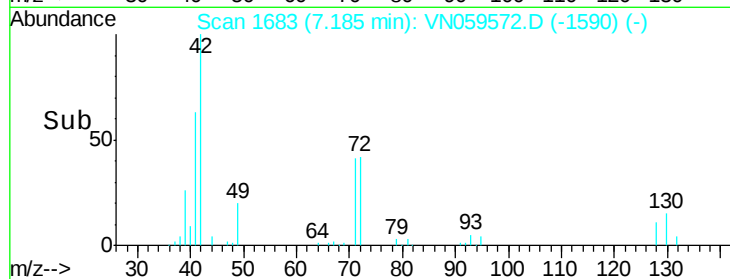
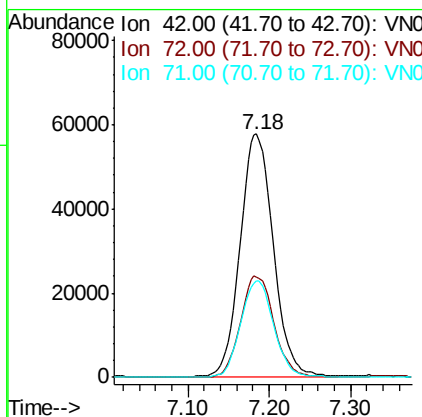
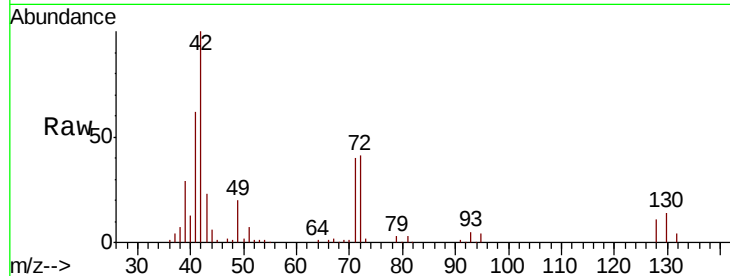
#29
Tetrahydrofuran
Concen: 93.765 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.7	49.1
71	39.4	31.4	47.2

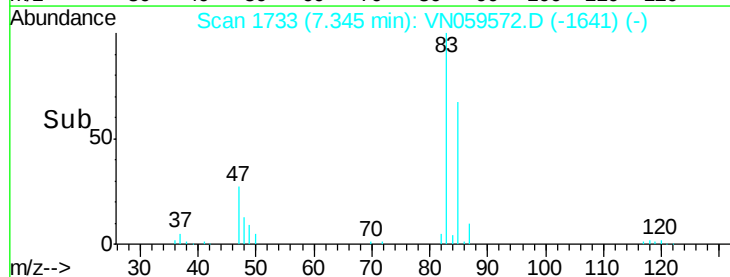
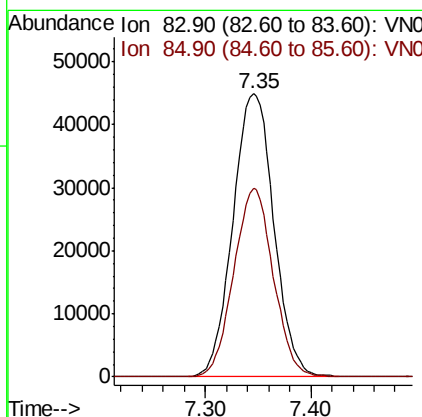
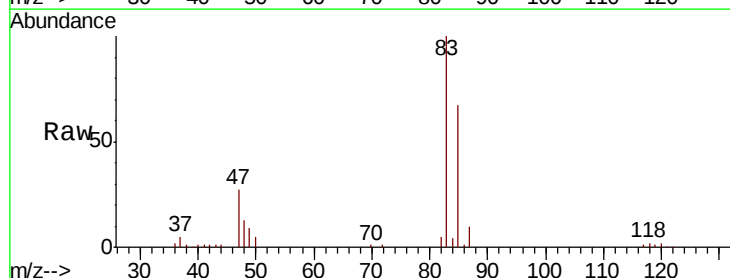
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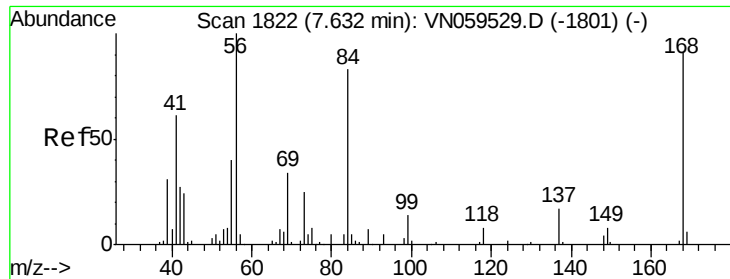
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#30
Chloroform
Concen: 19.896 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	50.6	75.8





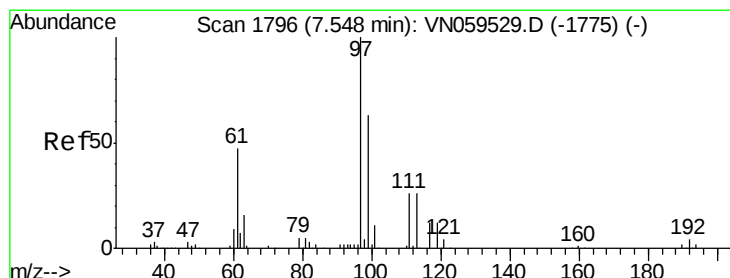
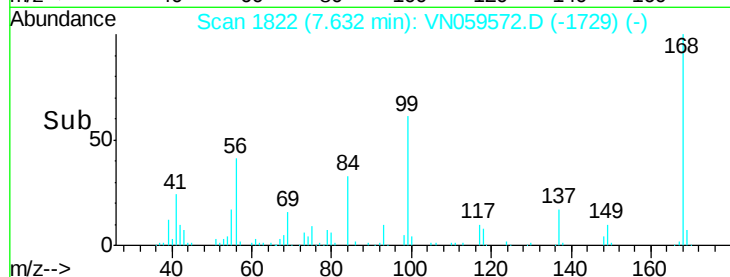
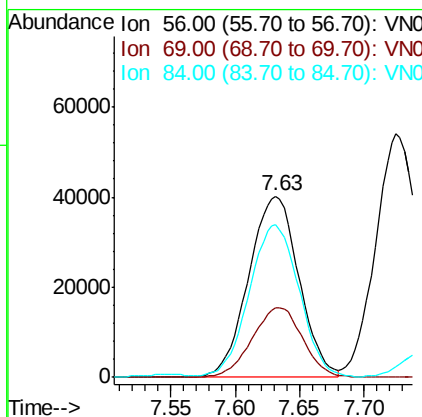
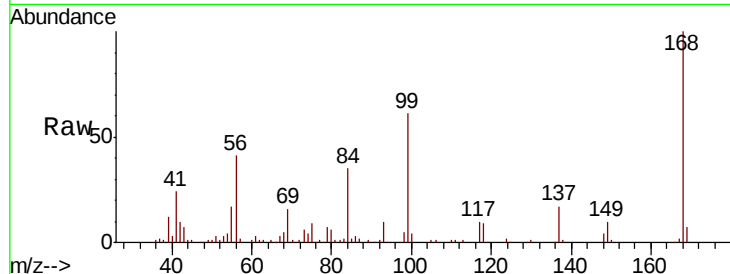
#31
Cyclohexane
Concen: 18.166 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	26.9	40.3
84	83.2	66.5	99.7

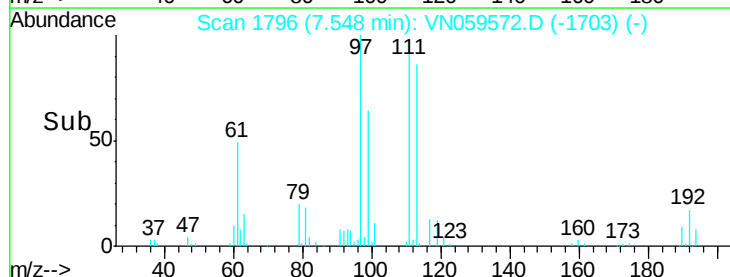
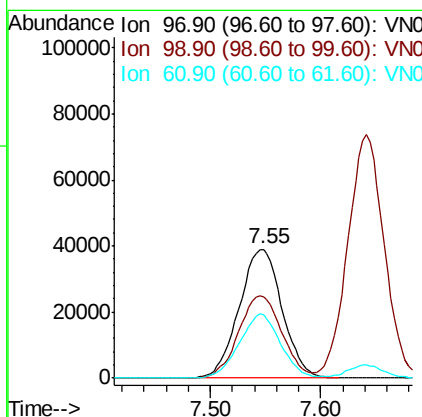
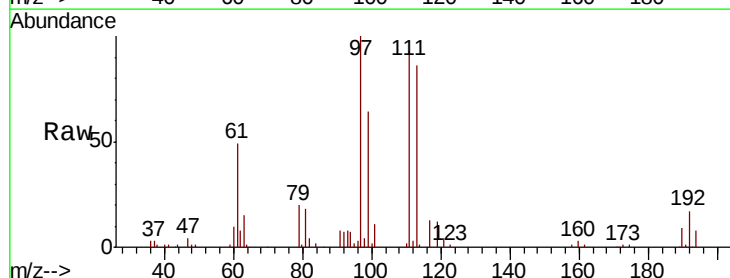
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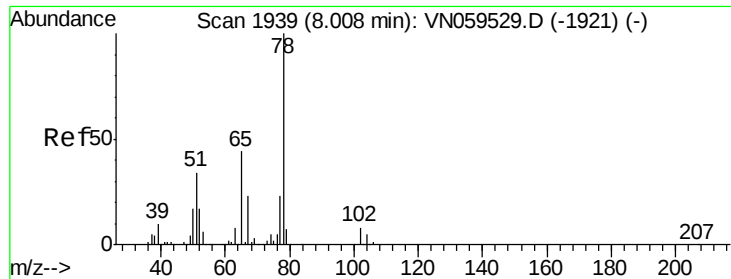
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#32
1,1,1-Trichloroethane
Concen: 19.511 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.2
61	47.6	38.5	57.7





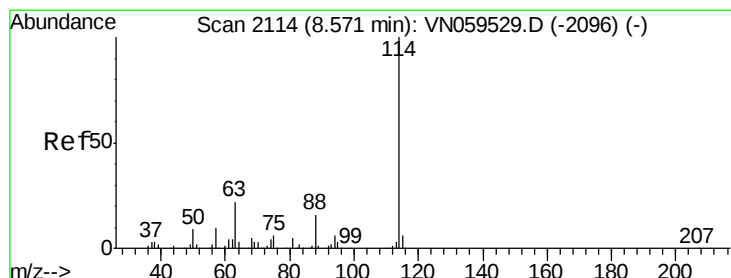
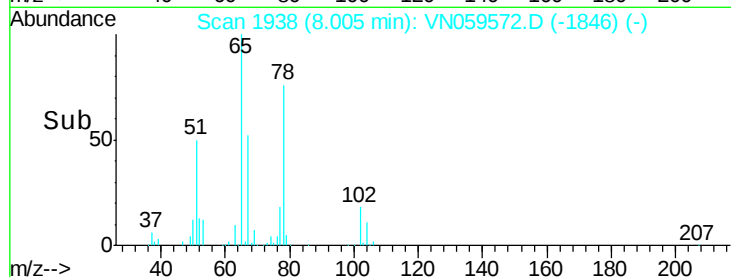
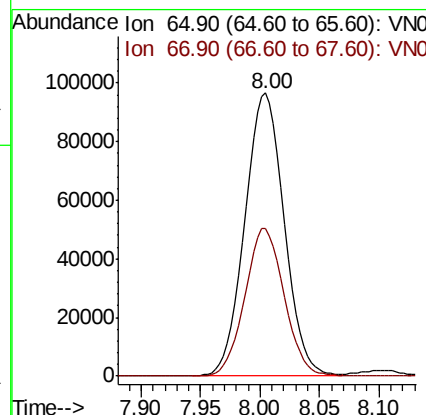
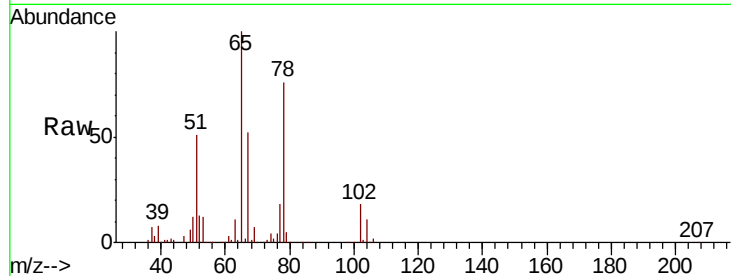
#33
 1,2-Dichloroethane-d4
 Concen: 55.745 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.9	0.0	103.6	

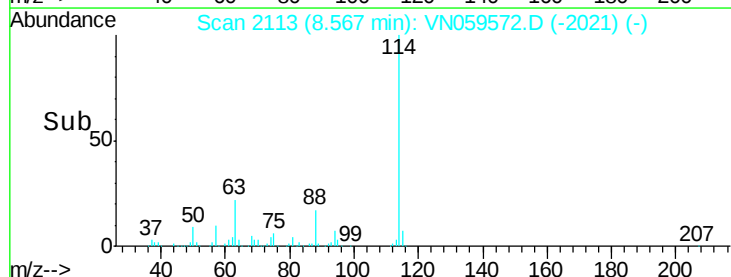
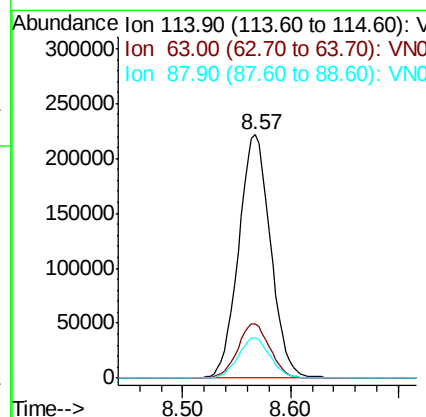
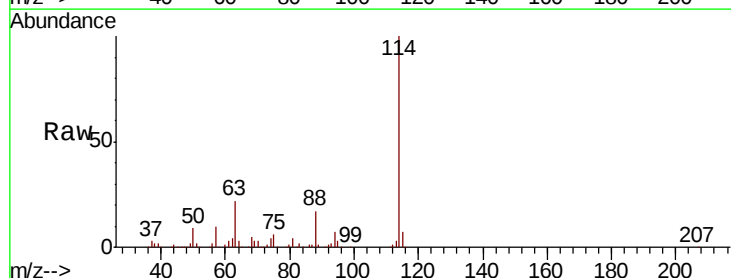
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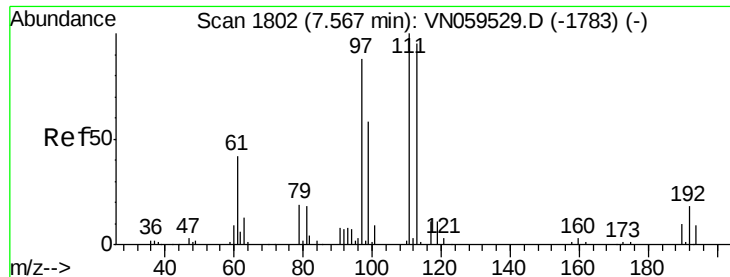
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.4	0.0	45.0	
88	16.5	0.0	32.2	





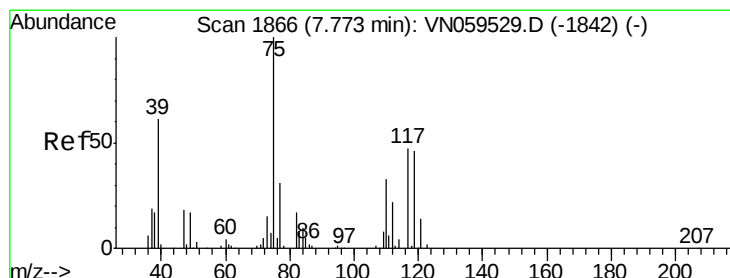
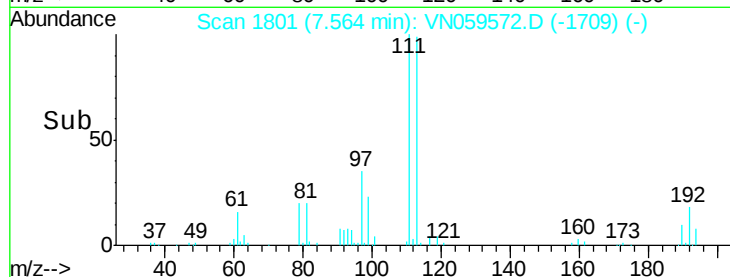
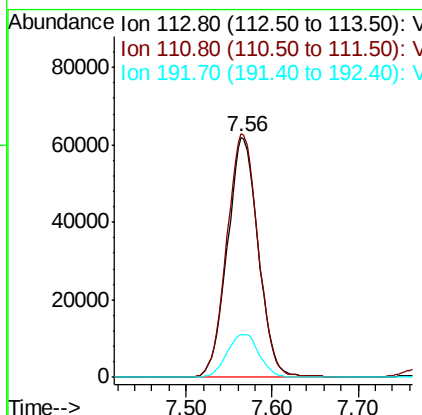
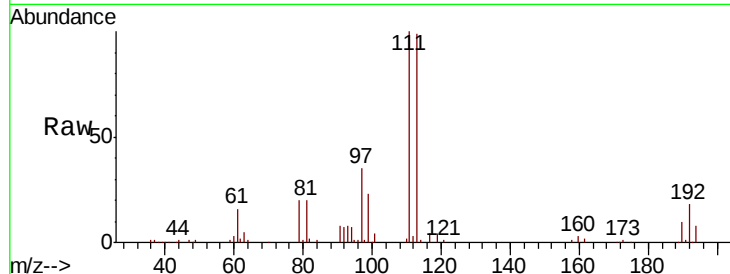
#35
 Dibromofluoromethane
 Concen: 56.872 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	82.2	123.4	
192	18.6	14.8	22.2	

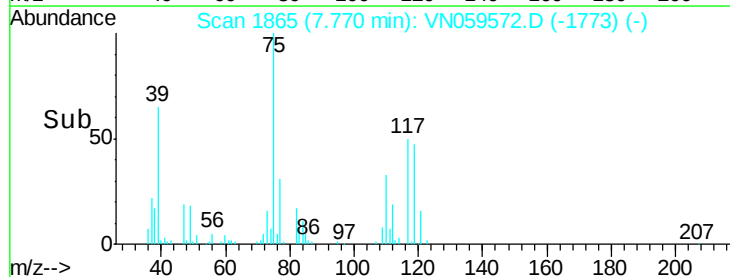
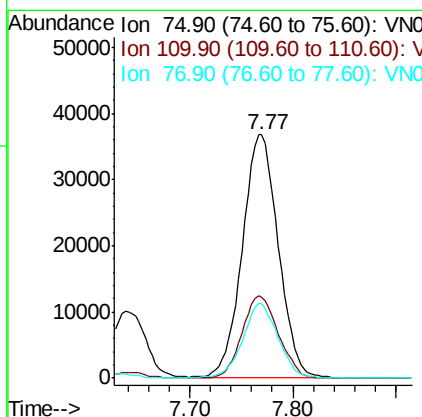
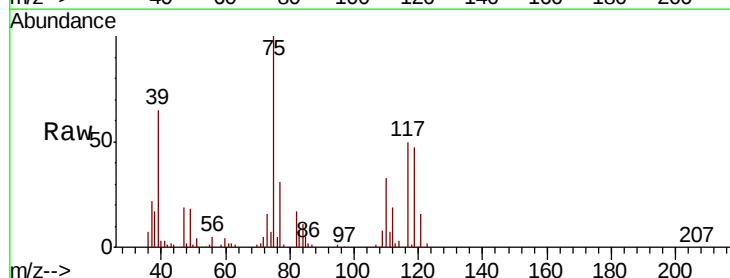
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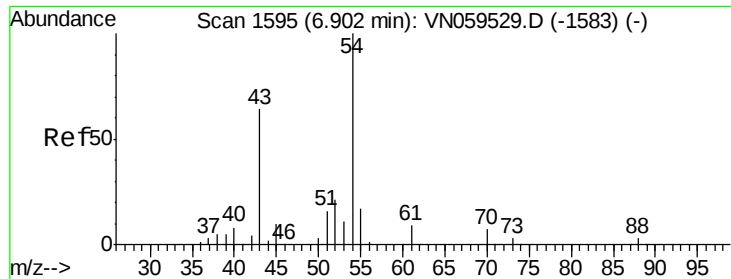
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#36
 1,1-Dichloropropene
 Concen: 19.112 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.8	16.7	50.0	
77	30.0	24.6	37.0	





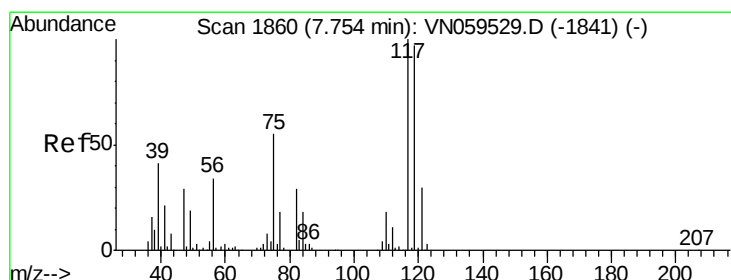
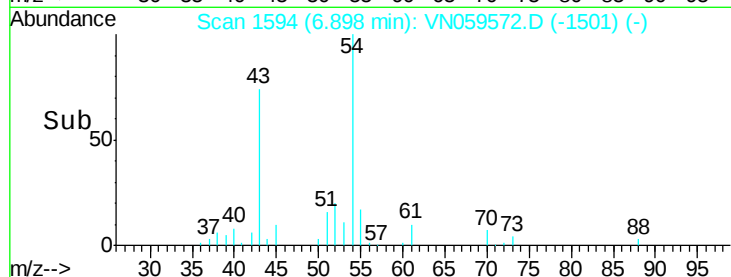
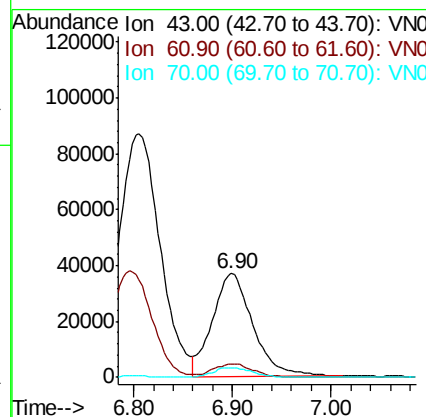
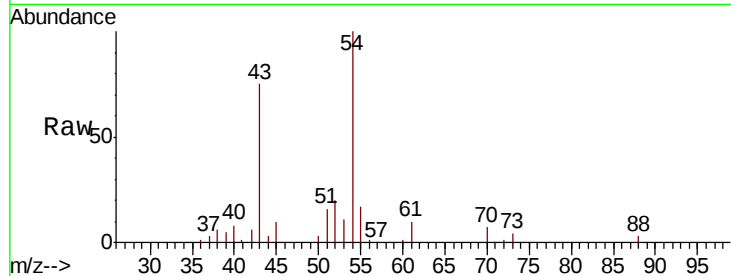
#37
Ethyl Acetate
Concen: 20.232 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.0	16.6
70	9.1	7.7	11.5

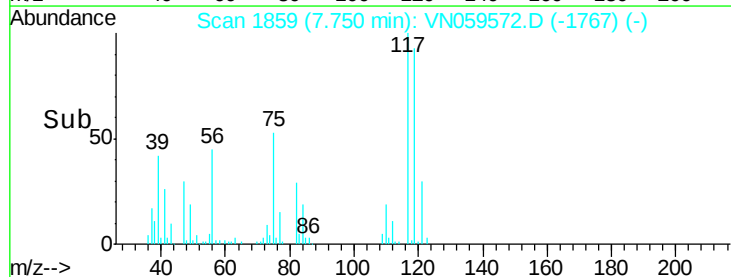
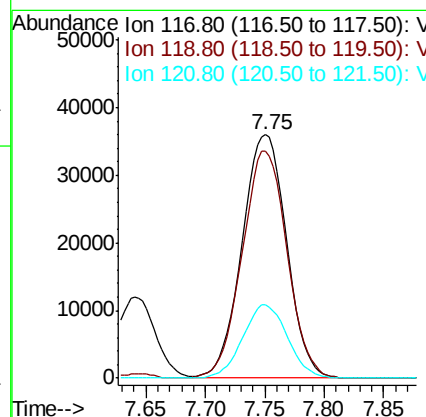
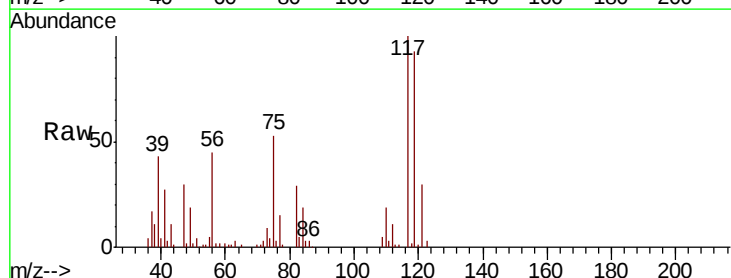
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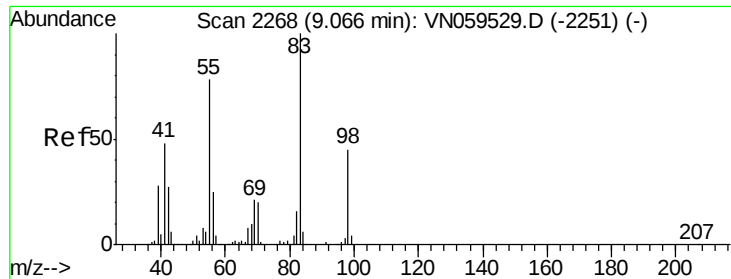
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#38
Carbon Tetrachloride
Concen: 20.247 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.0	115.4
121	30.3	24.1	36.1





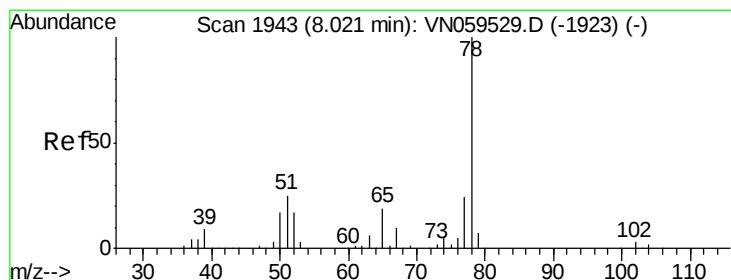
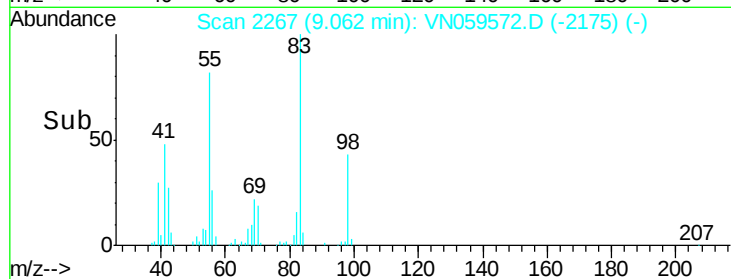
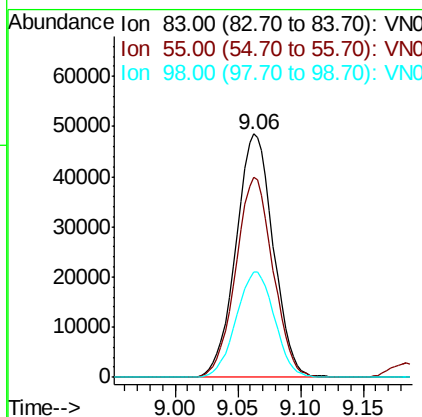
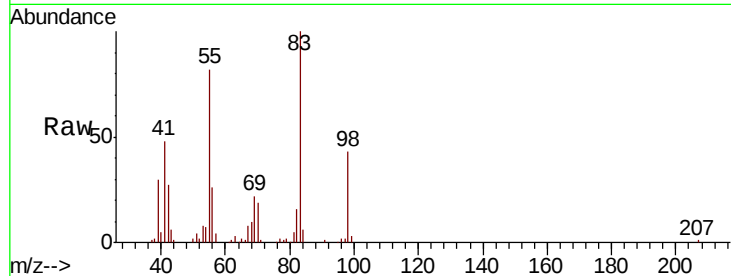
#39
Methvlcvclohexane
Concen: 19.120 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	62.7	94.1
98	43.5	35.7	53.5

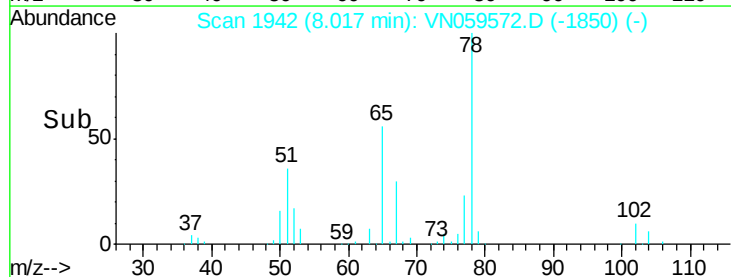
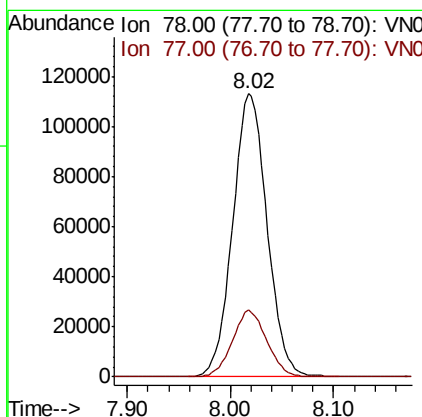
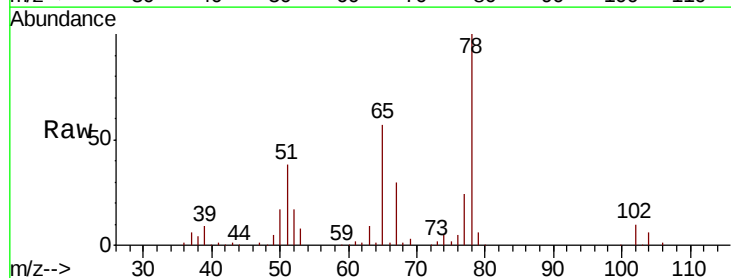
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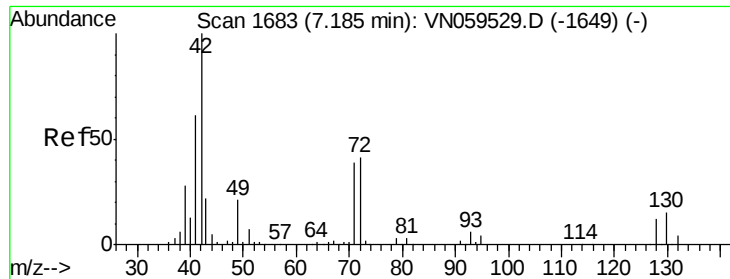
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#40
Benzene
Concen: 19.603 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





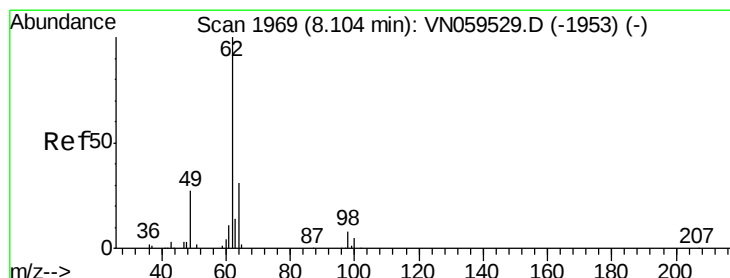
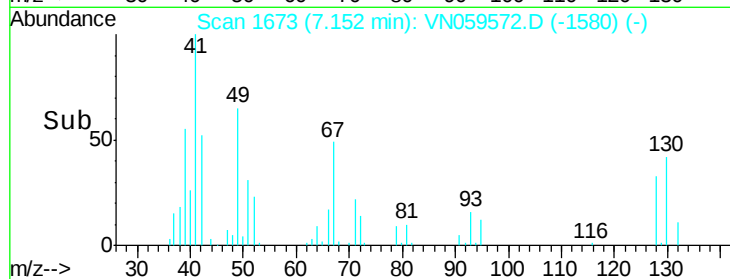
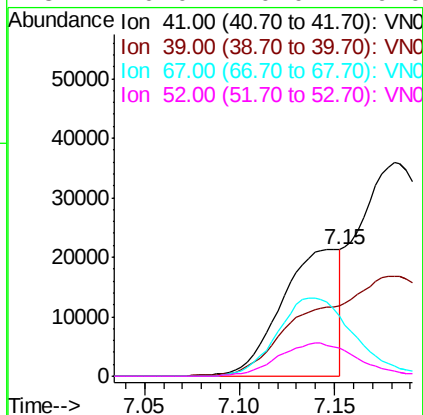
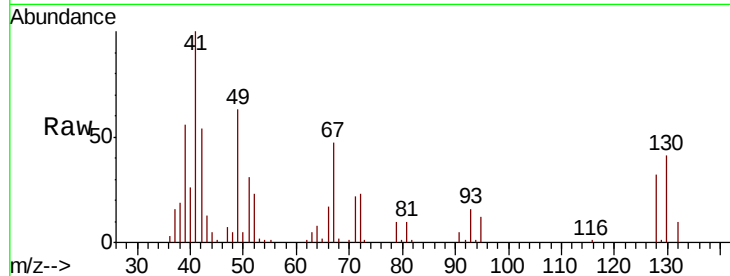
#41
Methacrylonitrile
Concen: 19.925 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	172.4	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

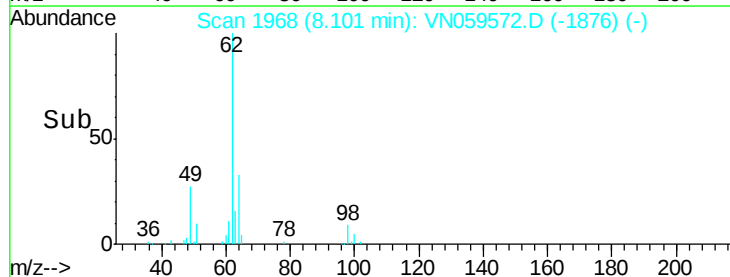
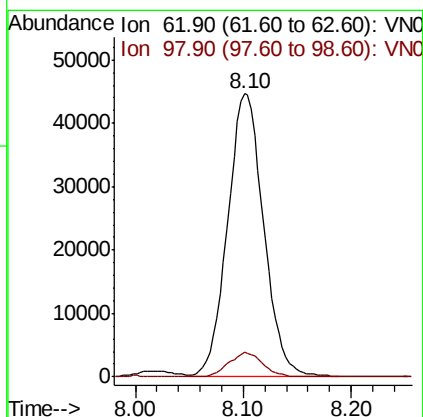
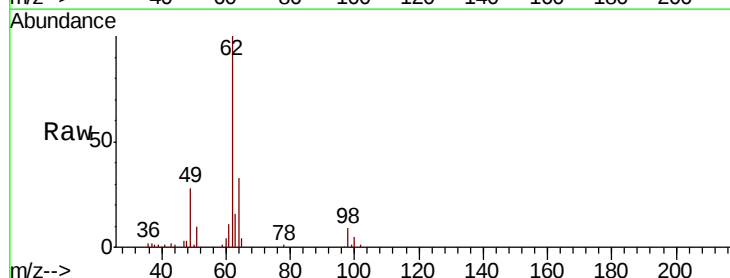
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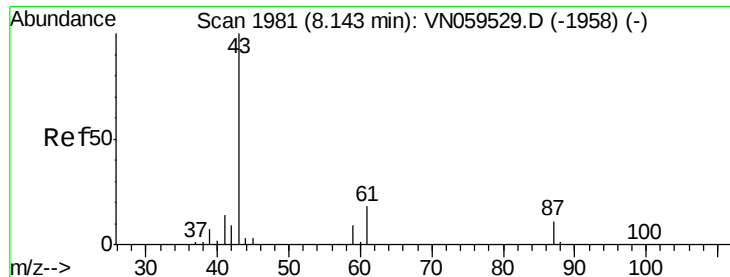
apatel
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#42
1,2-Dichloroethane
Concen: 20.888 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	15.4





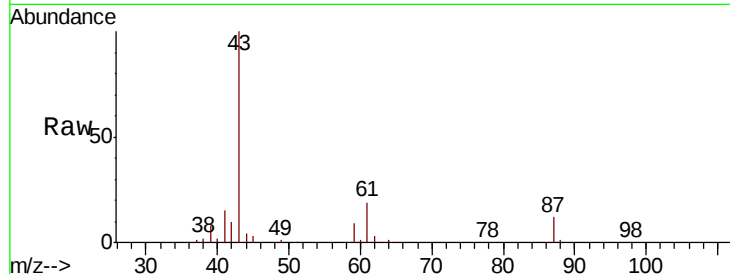
#43
Isopropyl Acetate
Concen: 20.031 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

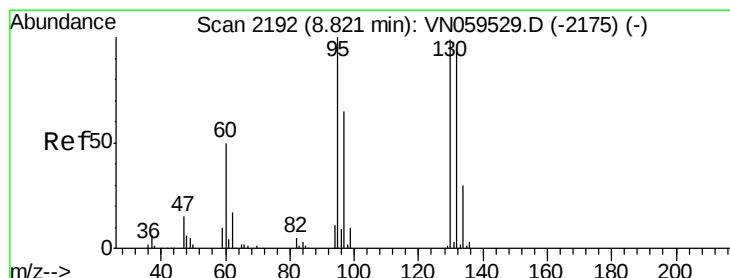
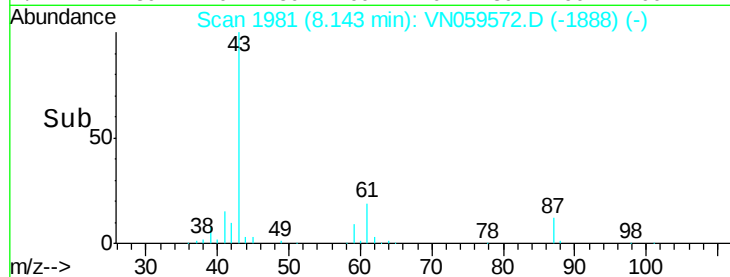
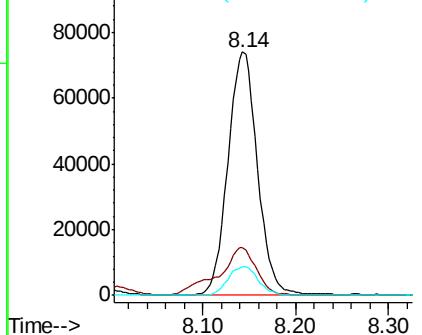
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	19.8	29.6
87	12.1	9.4	14.2

Manual Integrations
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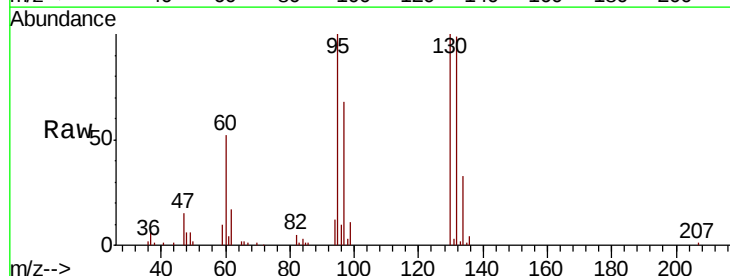


Abundance Ion 43.00 (42.70 to 43.70): VN059572.D (-1888) (-)

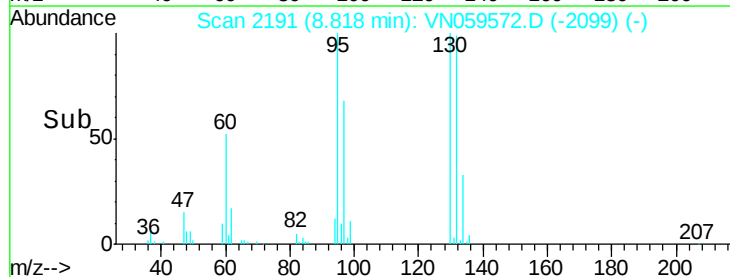
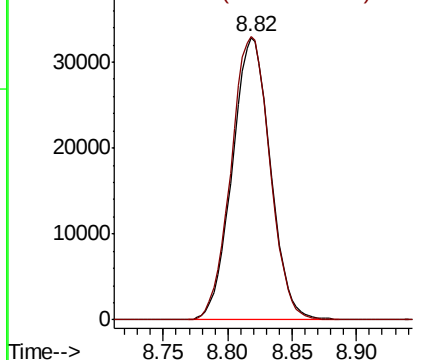


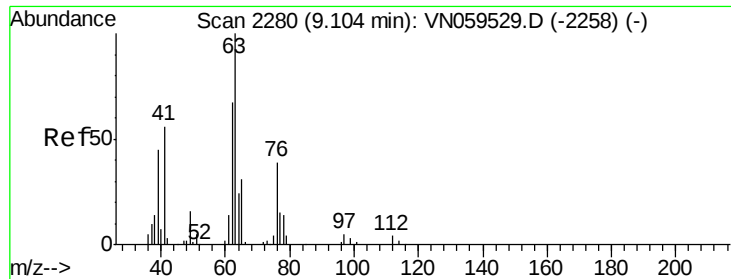
#44
Trichloroethene
Concen: 19.976 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	202.0



Abundance Ion 129.80 (129.50 to 130.50): VN059572.D (-2099) (-)





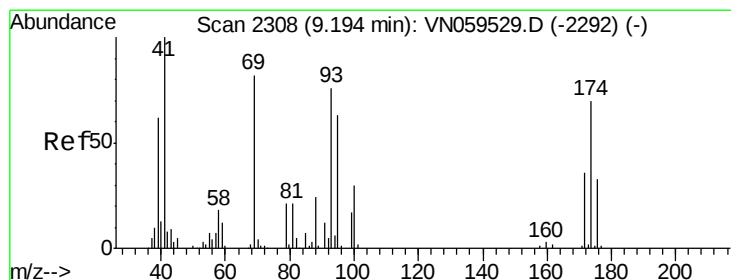
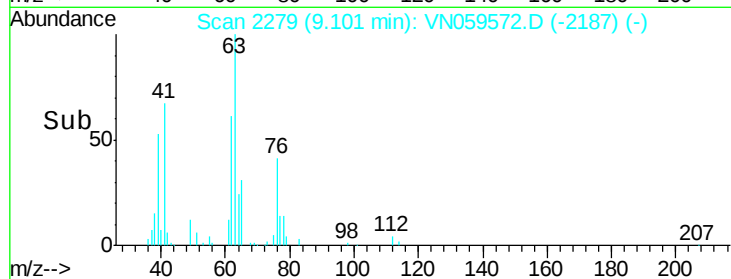
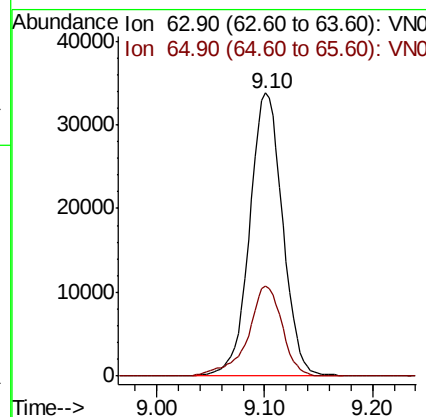
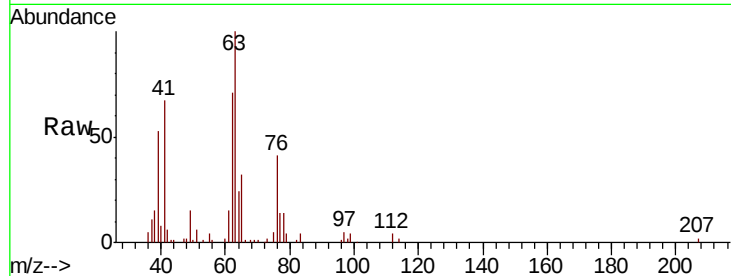
#45
 1,2-Dichloropropane
 Concen: 20.240 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212MBS01

Tot Ion: 63 Resp: 71712
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.8 37.2

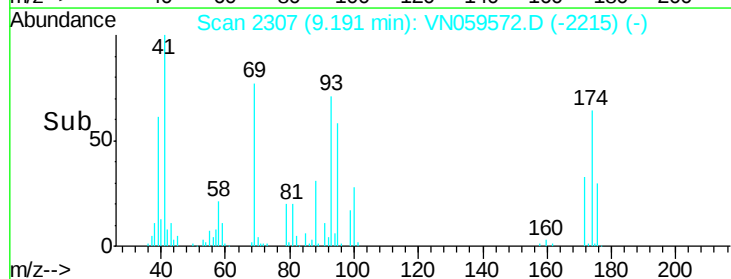
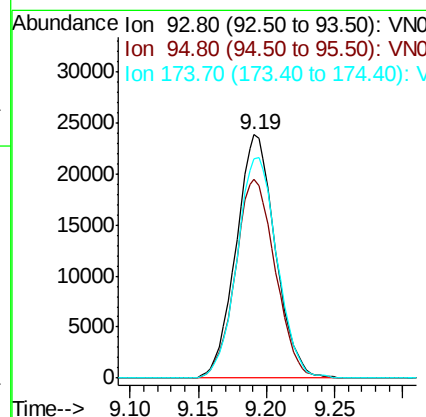
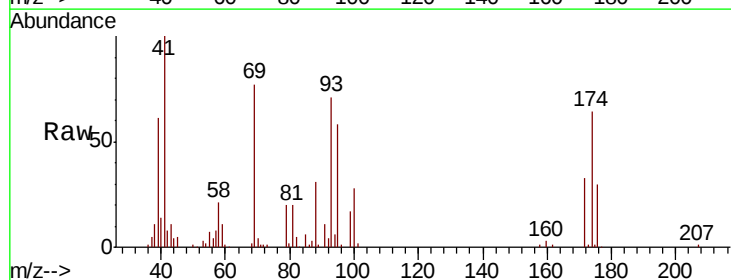
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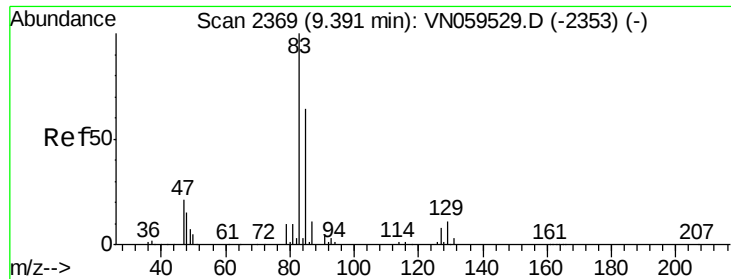
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#46
 Dibromomethane
 Concen: 20.360 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Tgt Ion: 93 Resp: 47674
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.0 100.6
 174 92.3 75.6 113.4





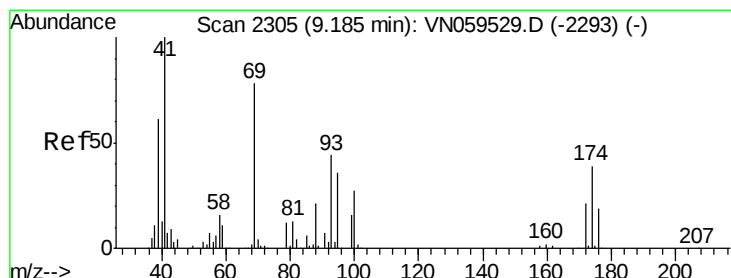
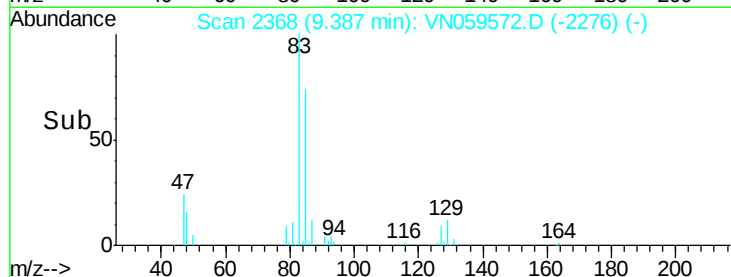
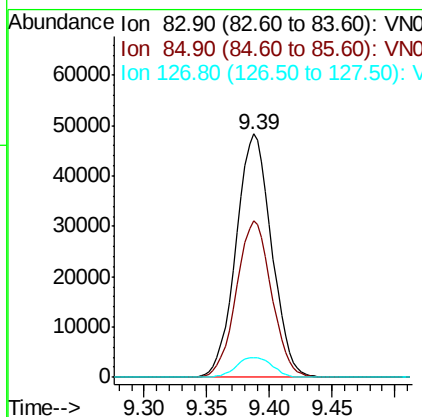
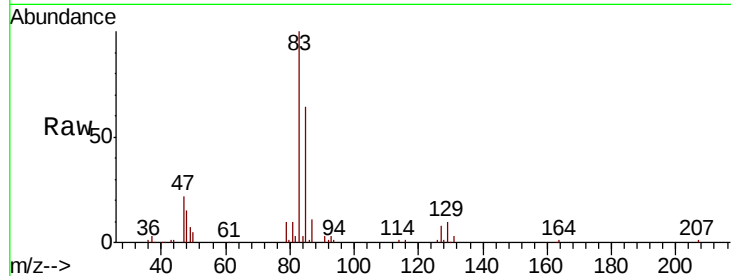
#47
Bromodichloromethane
Concen: 20.443 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion	83	Resp	95136
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.4	77.0
127	8.2	6.7	10.1

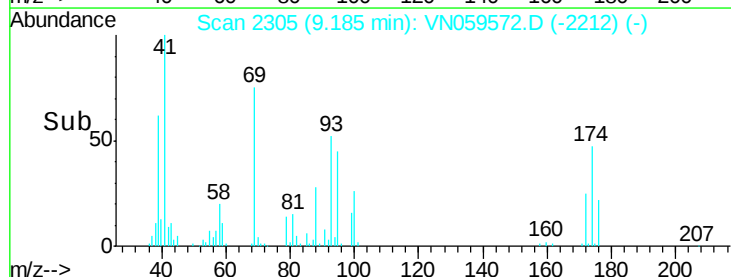
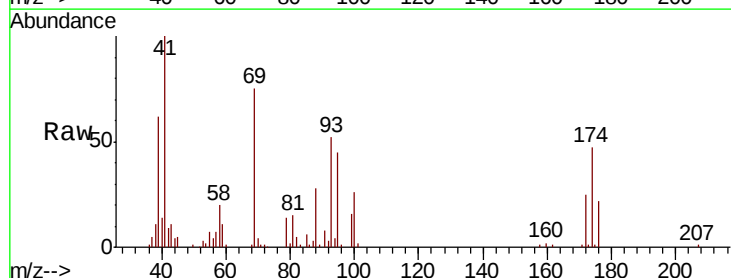
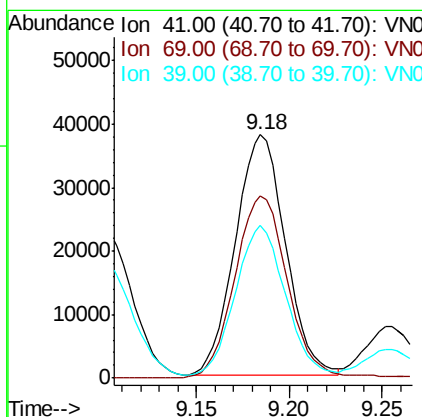
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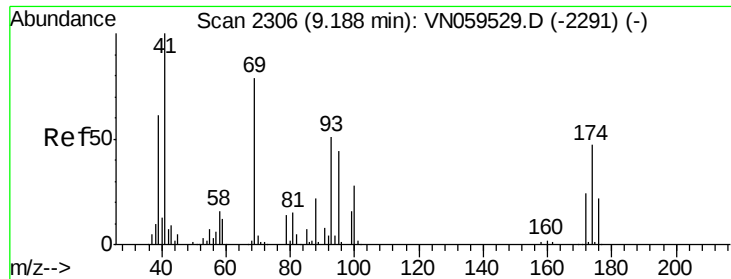
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#48
Methyl methacrylate
Concen: 20.149 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion	41	Resp	71202
Ion Ratio	100	Lower	Upper
41	100		
69	79.6	64.0	96.0
39	64.4	50.0	75.0





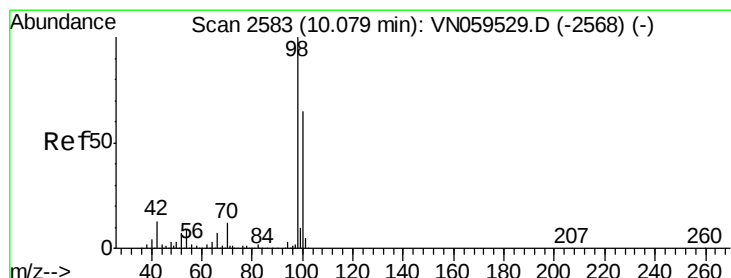
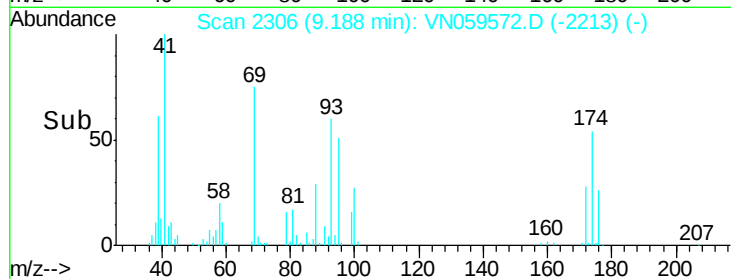
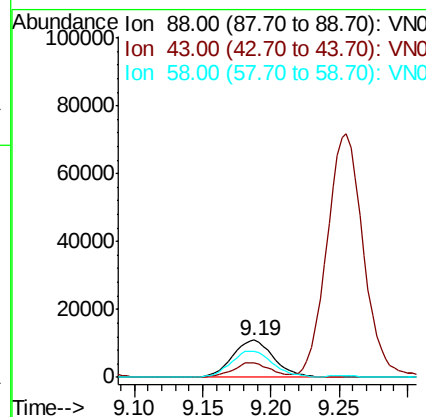
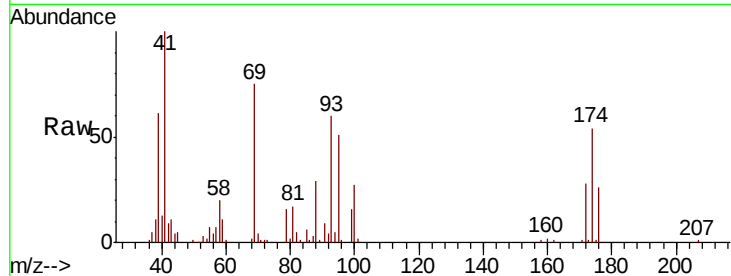
#49
1,4-Dioxane
Concen: 514.140 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	31.4	47.0
58	71.7	61.0	91.6

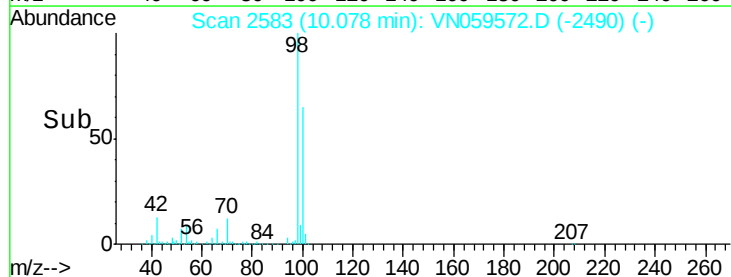
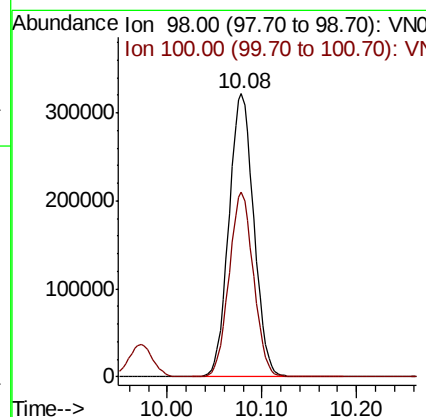
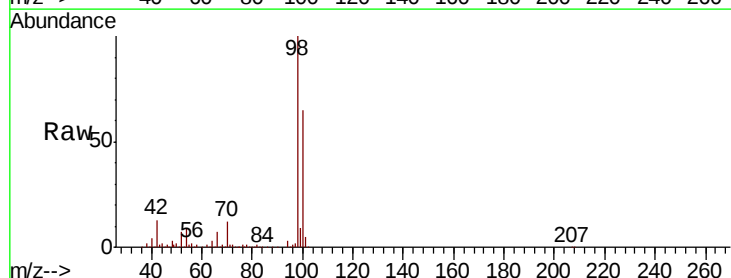
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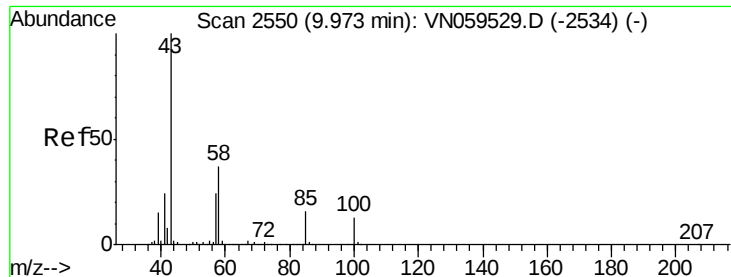
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#50
Toluene-d8
Concen: 53.002 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 95.968 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

Tot Ion: 43 Resp: 495371

Ion Ratio Lower Upper

43 100

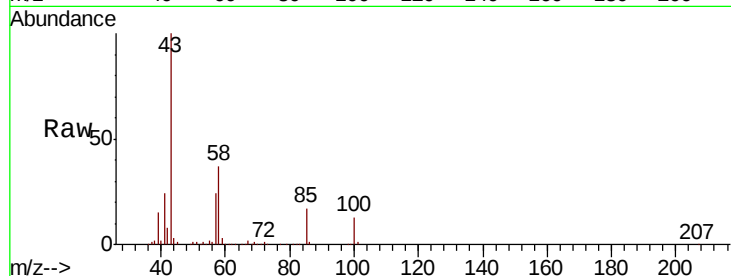
58 37.6 30.1 45.1

Manual Integrations

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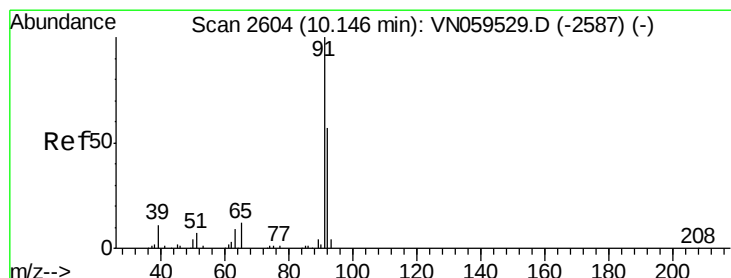
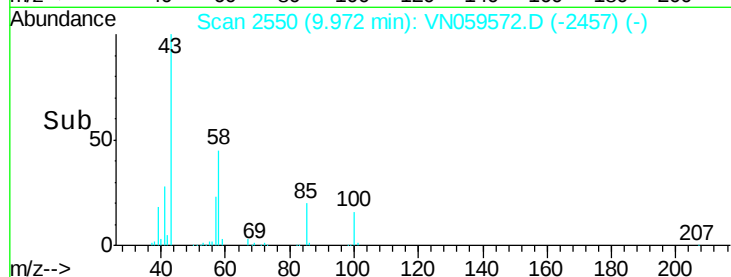
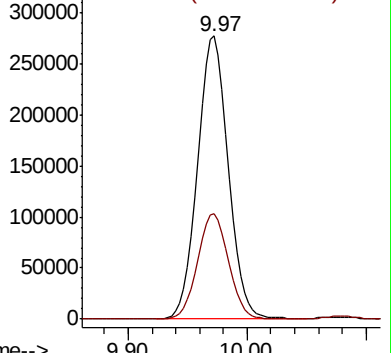
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.122 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059572.D

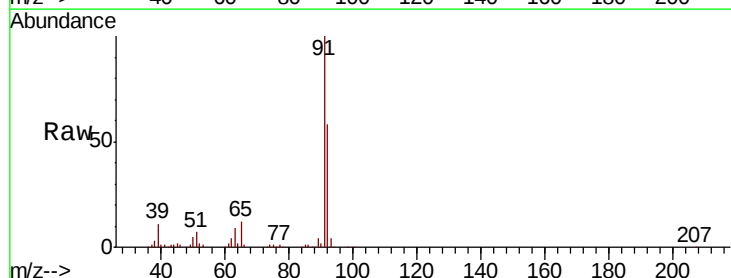
Acq: 12 Dec 2019 14:27

Tgt Ion: 92 Resp: 160352

Ion Ratio Lower Upper

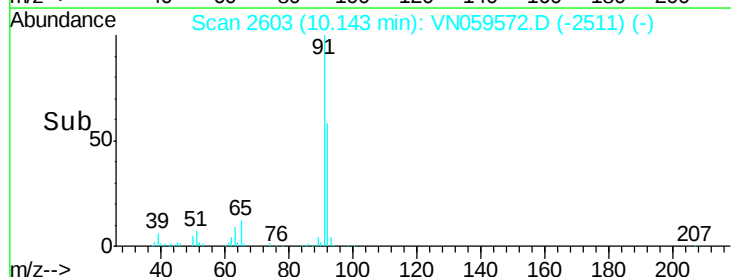
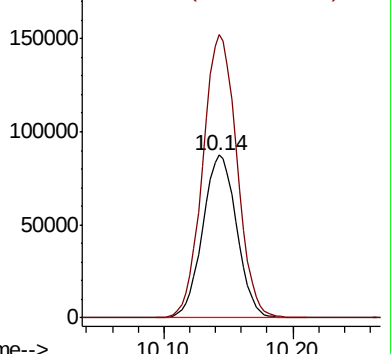
92 100

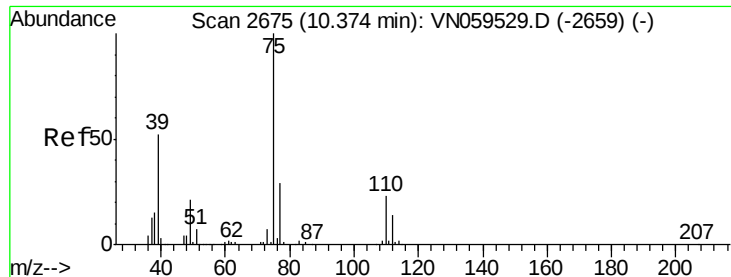
91 174.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





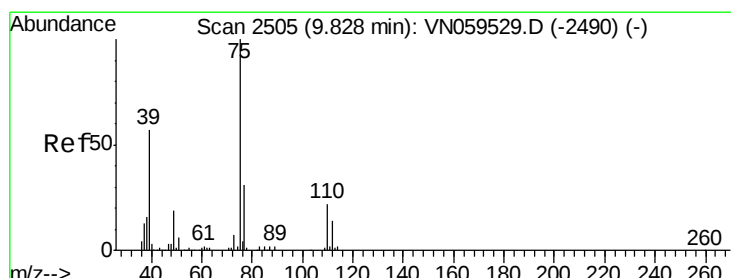
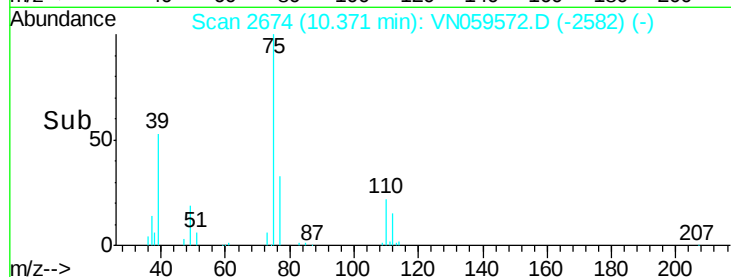
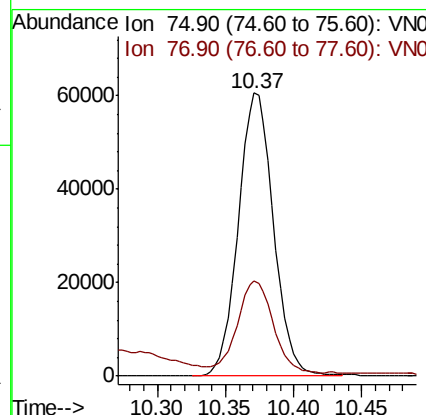
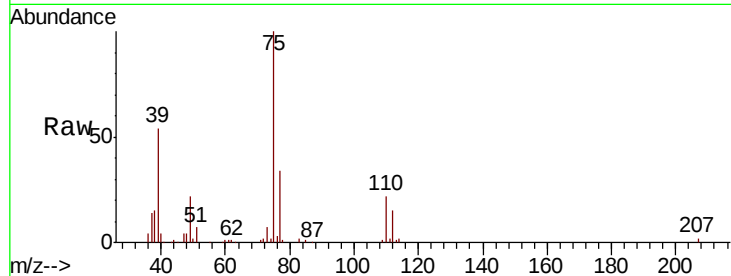
#53
t-1,3-Dichloropropene
Concen: 20.007 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion: 75 Resp: 108479
Ion Ratio Lower Upper
75 100
77 32.6 24.5 36.7

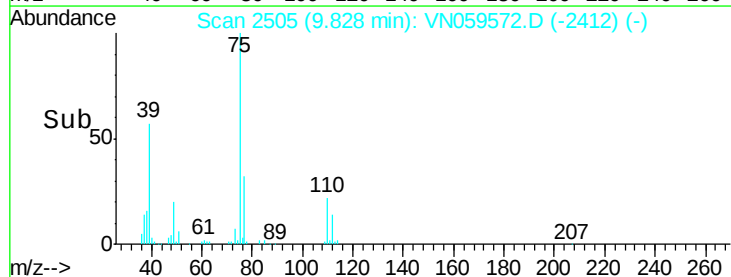
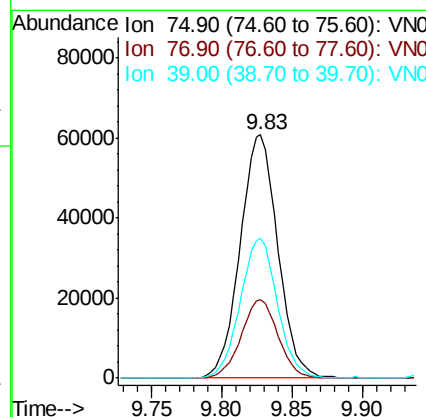
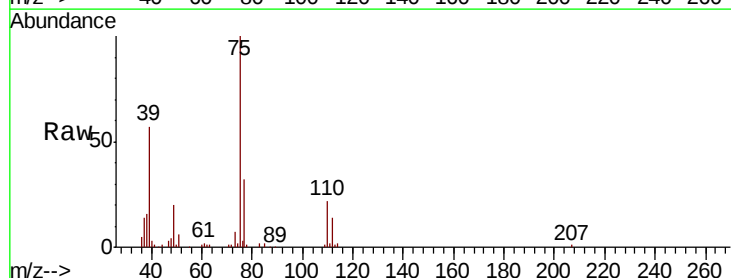
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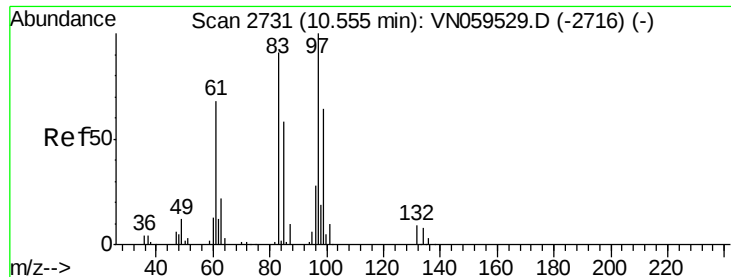
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#54
cis-1,3-Dichloropropene
Concen: 20.512 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion: 75 Resp: 113831
Ion Ratio Lower Upper
75 100
77 32.3 24.6 36.8
39 57.5 45.6 68.4





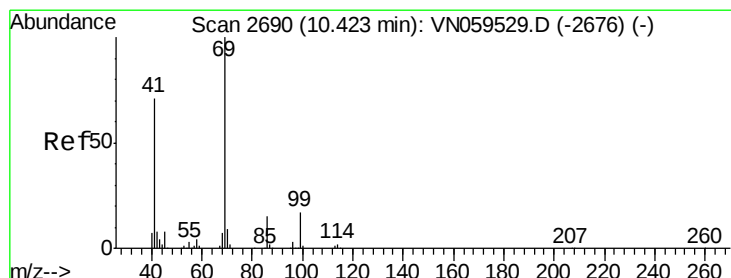
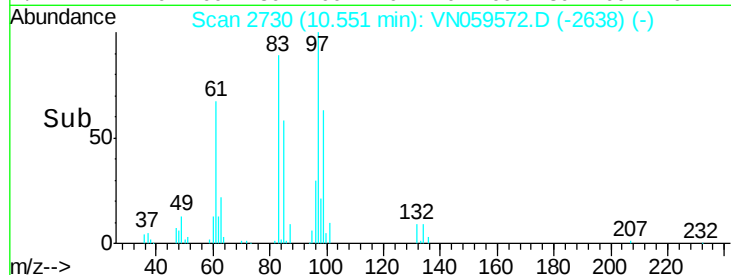
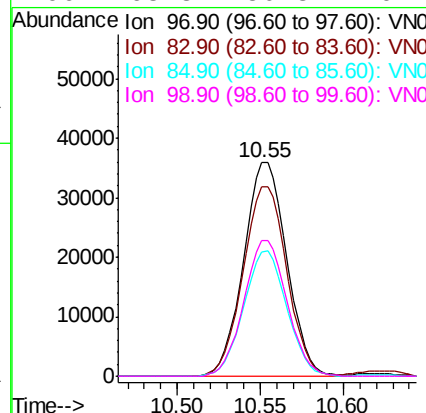
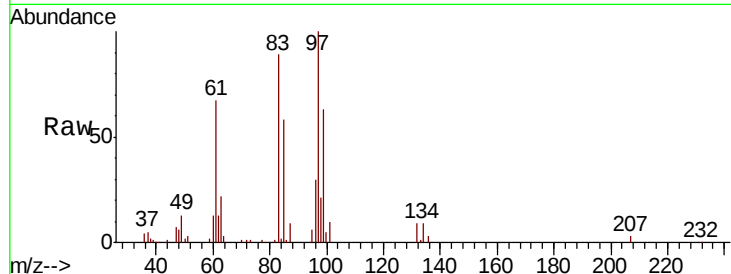
#55
 1,1,2-Trichloroethane
 Concen: 20.151 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.5	72.9	109.3
85	58.0	46.1	69.1
99	63.3	50.8	76.2

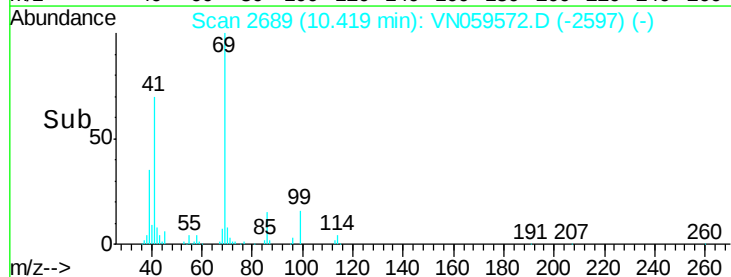
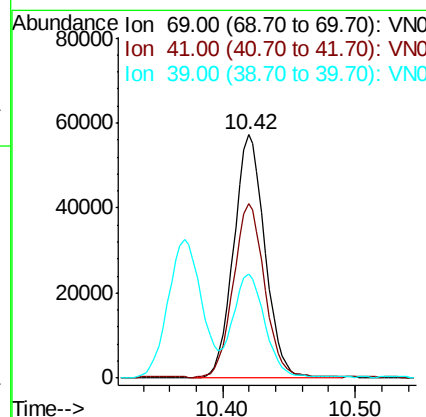
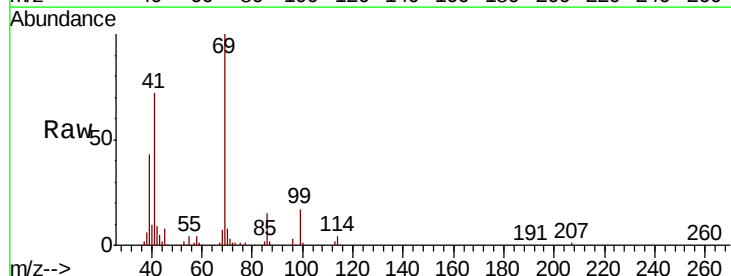
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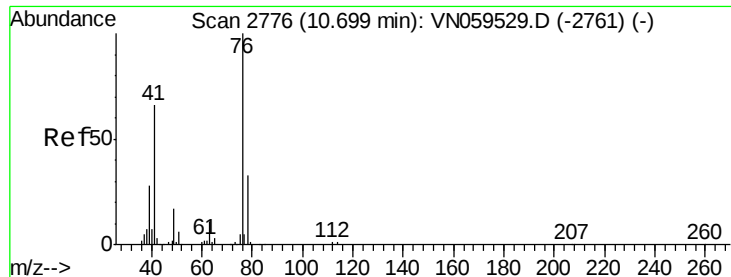
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#56
 Ethyl methacrylate
 Concen: 18.299 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.2	57.7	86.5
39	43.7	34.2	51.2





#57

1,3-Dichloropropane

Concen: 20.659 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

Tot Ion: 76 Resp: 113717

Ion Ratio Lower Upper

76 100

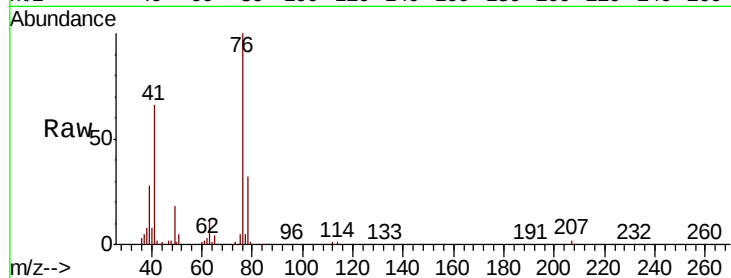
78 31.7 26.1 39.1

Manual Integrations

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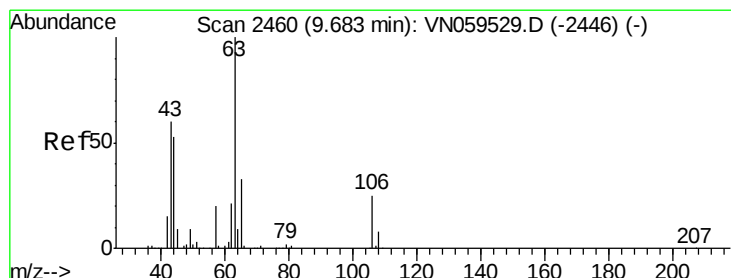
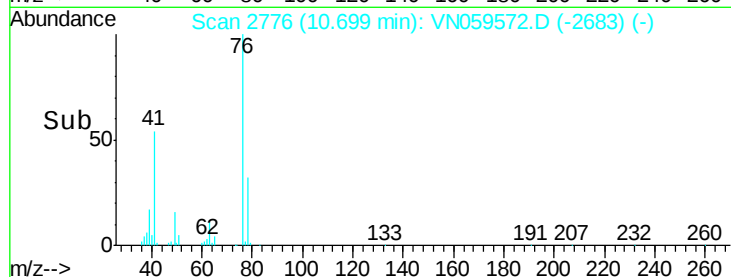
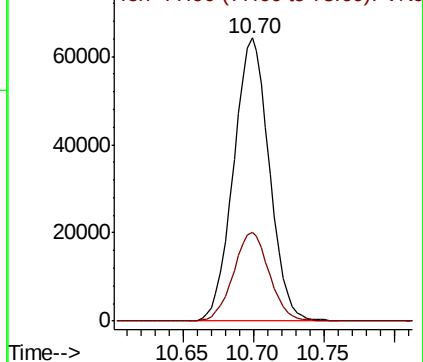
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 125.512 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059572.D

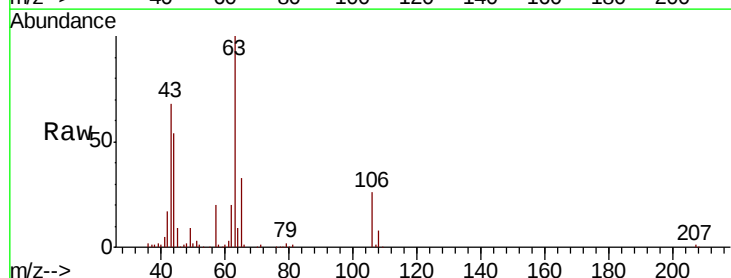
Acq: 12 Dec 2019 14:27

Tgt Ion: 63 Resp: 165721

Ion Ratio Lower Upper

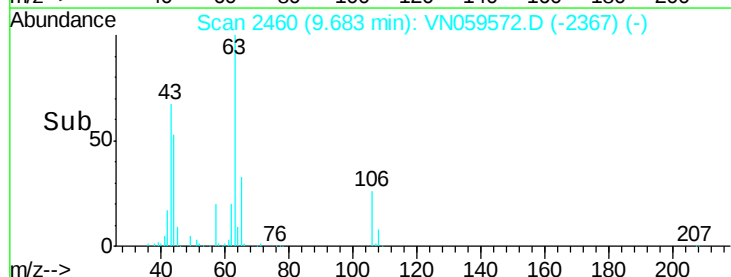
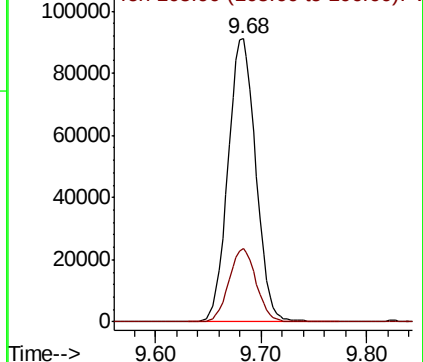
63 100

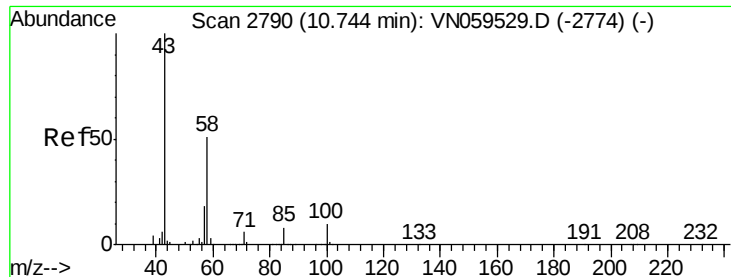
106 25.4 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





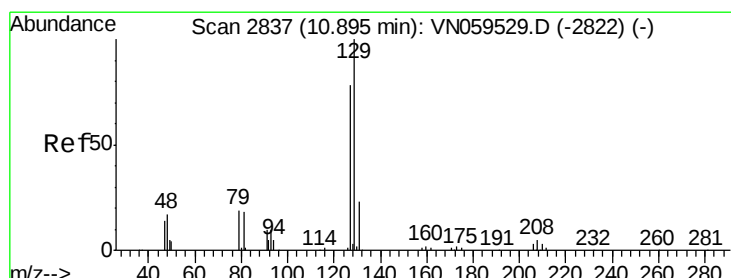
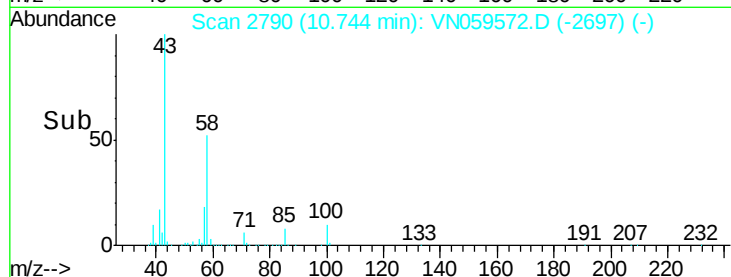
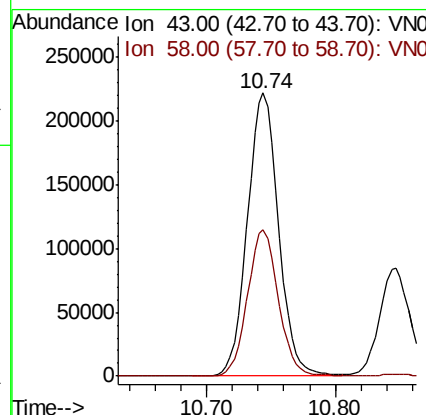
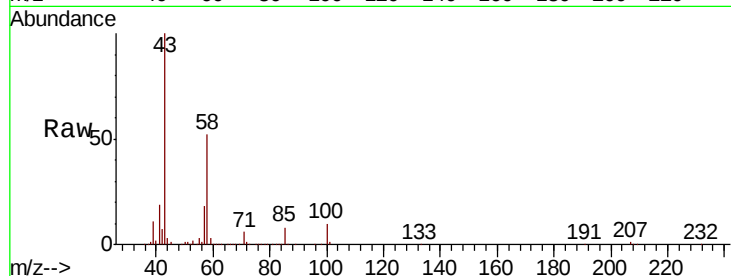
#59
2-Hexanone
Concen: 96.645 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion: 43 Resp: 373689
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.6

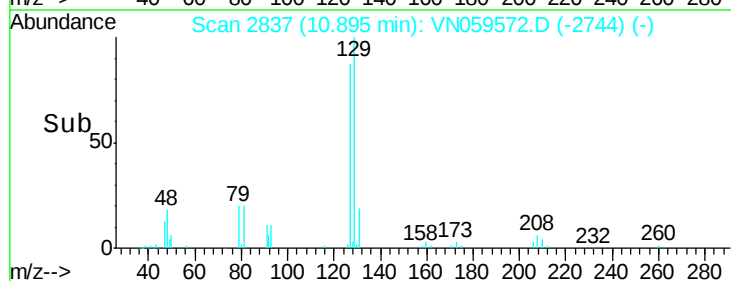
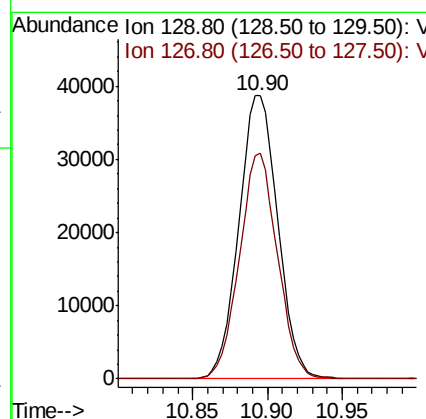
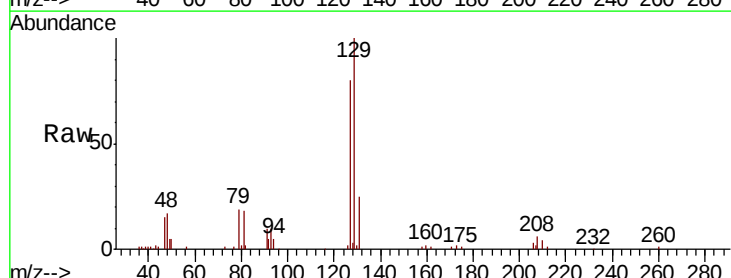
Manual Integrations
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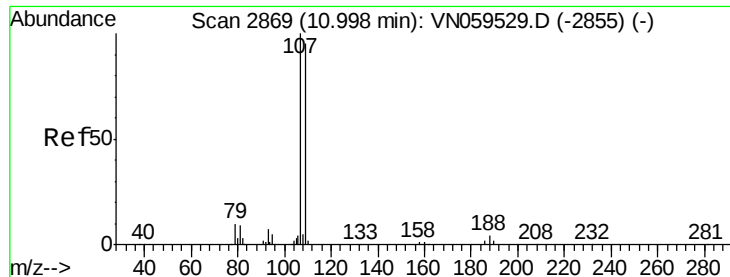
apatel
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#60
Dibromochloromethane
Concen: 18.894 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion: 129 Resp: 70116
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.6





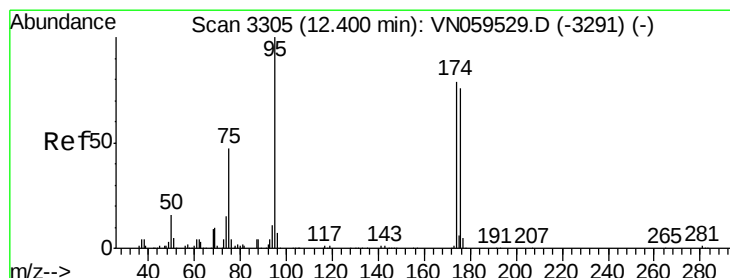
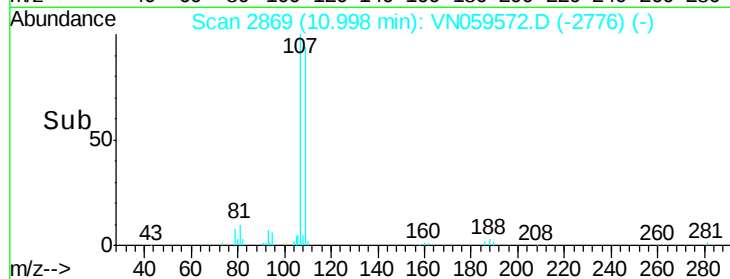
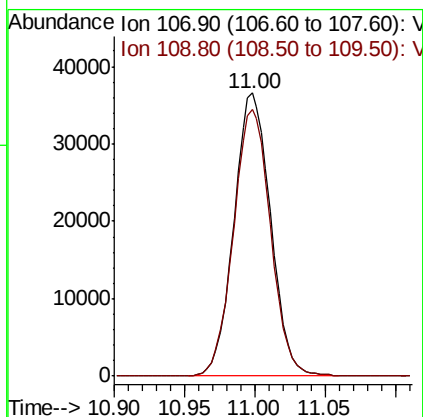
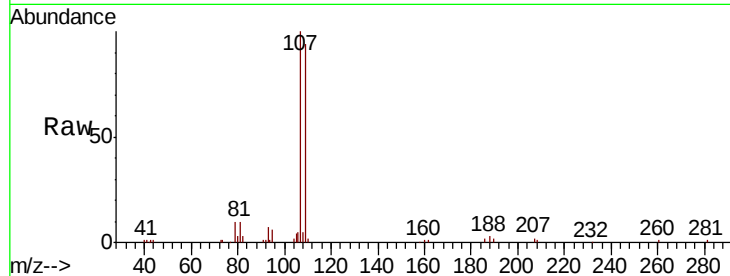
#61
 1,2-Dibromoethane
 Concen: 19.872 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1

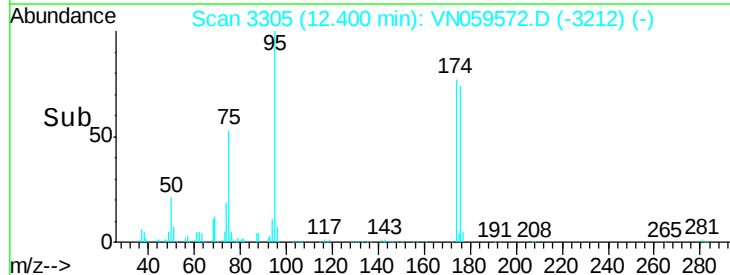
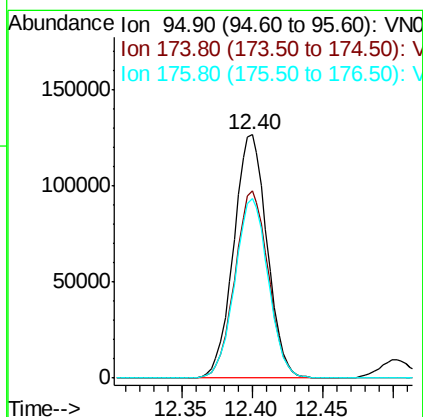
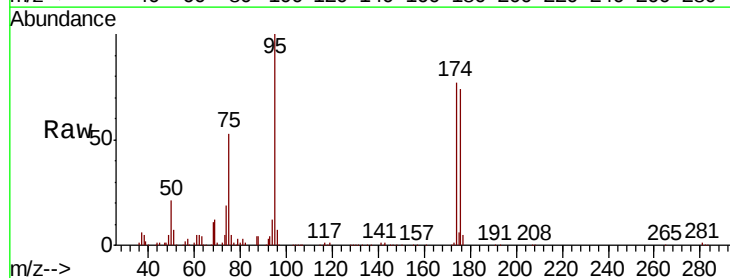
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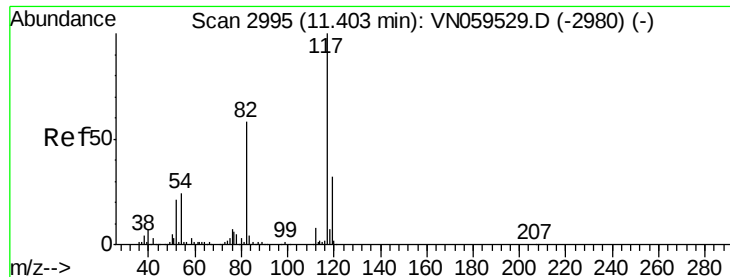
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#62
 4-Bromofluorobenzene
 Concen: 51.280 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	158.0
176	73.7	0.0	155.4





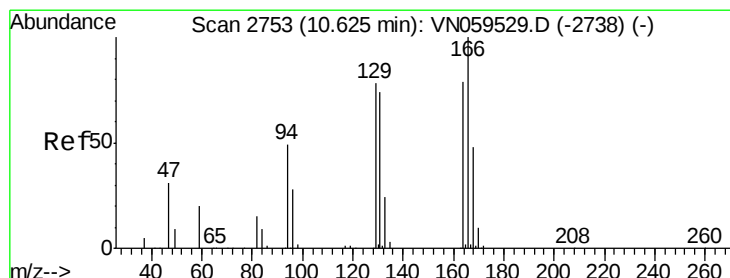
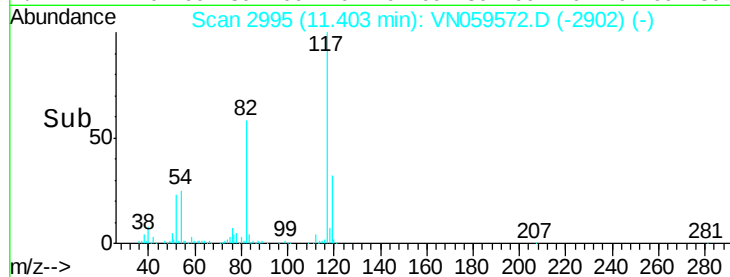
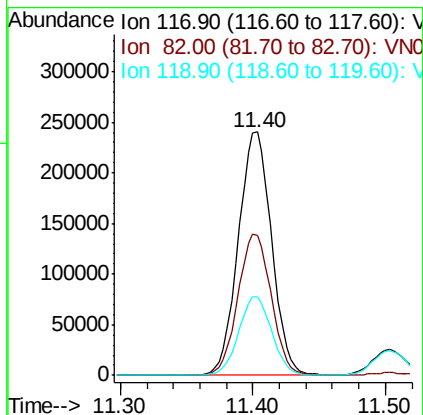
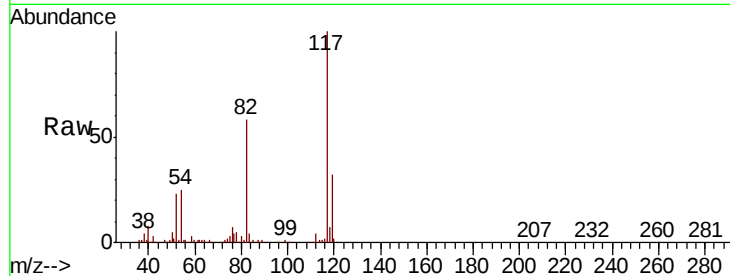
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.5	69.7
119	32.2	25.2	37.8

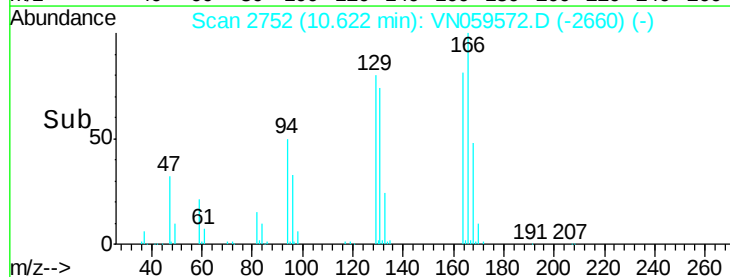
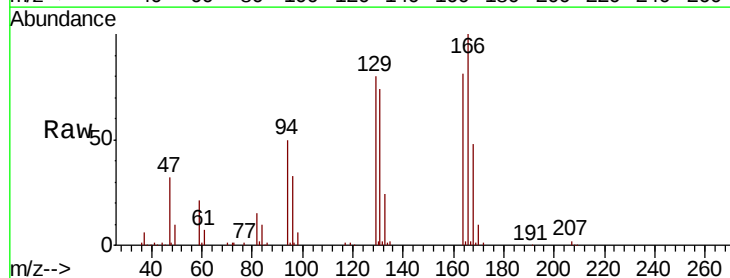
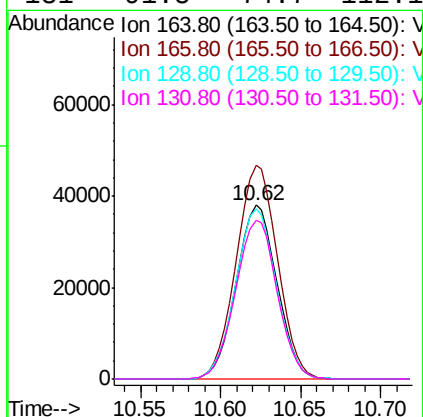
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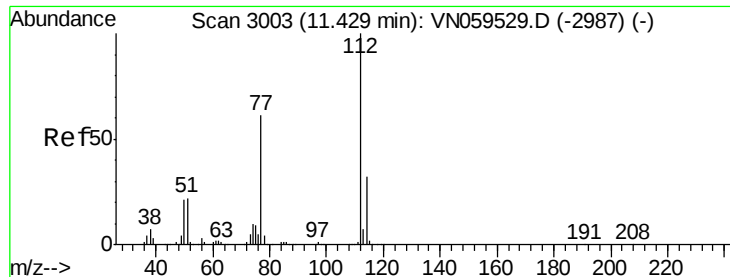
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#64
Tetrachloroethene
Concen: 21.503 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.1	101.6	152.4
129	98.3	79.0	118.6
131	91.5	74.7	112.1





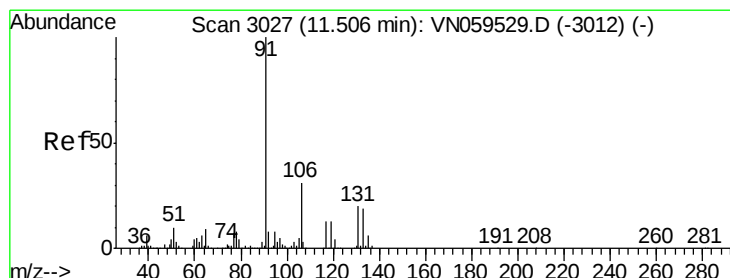
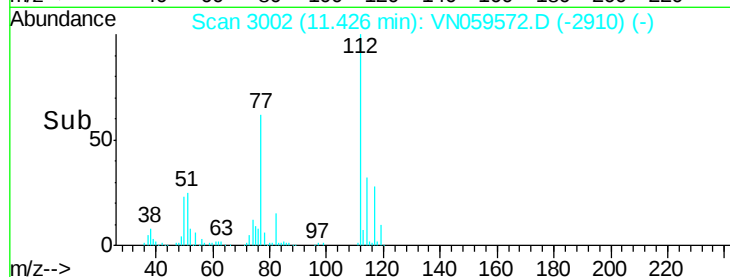
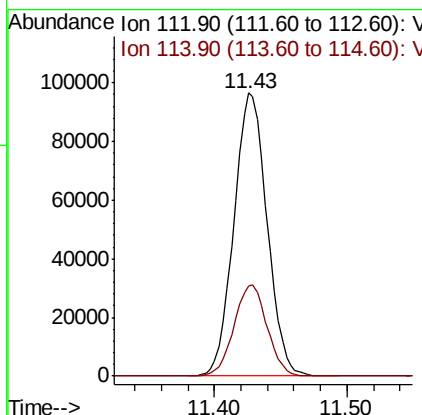
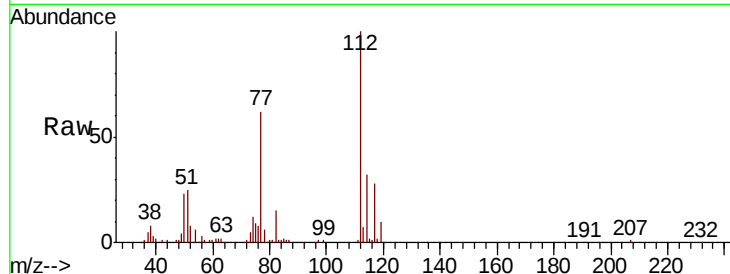
#65
Chlorobenzene
Concen: 19.047 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

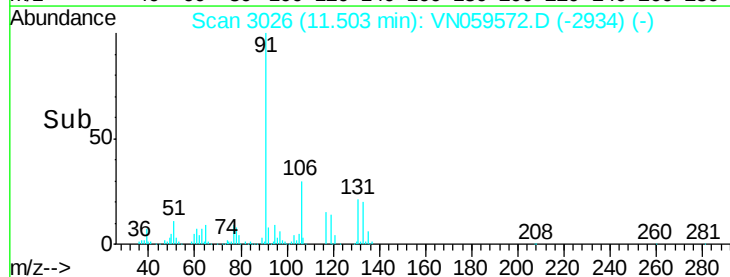
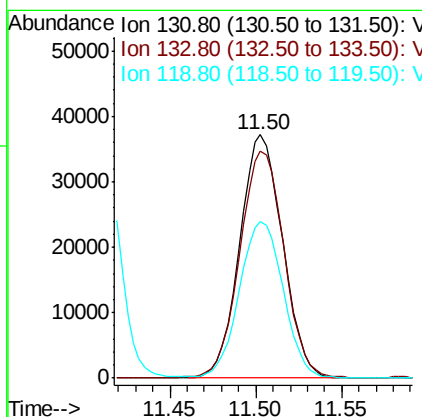
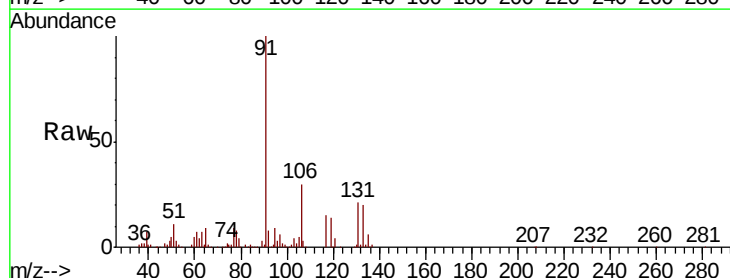
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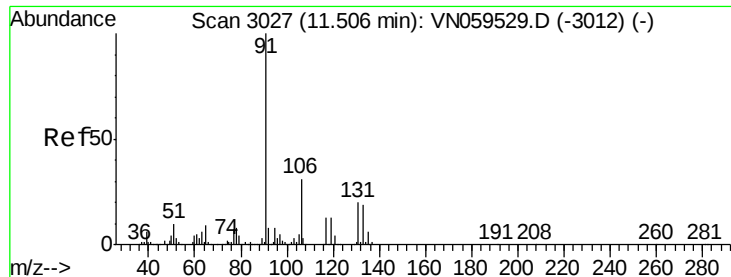
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.658 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.8	143.3
119	65.9	33.4	100.2





#67

Ethyl Benzene

Concen: 19.213 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

Tot Ion: 91 Resp: 303883

Ion Ratio Lower Upper

91 100

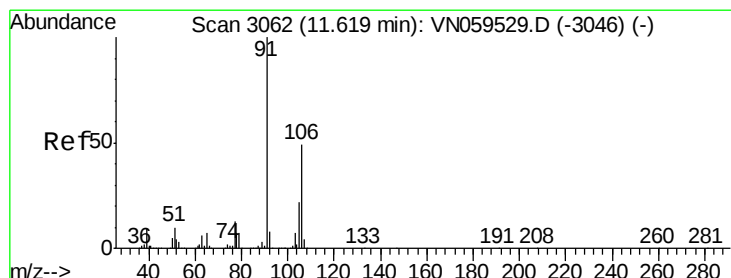
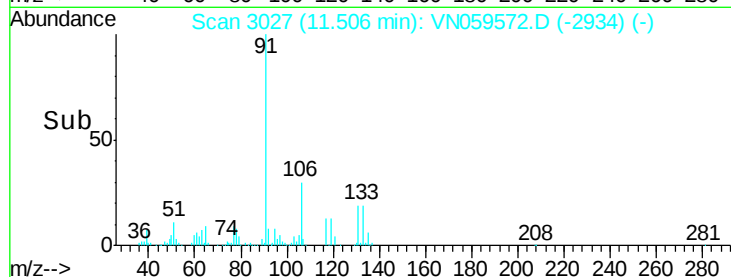
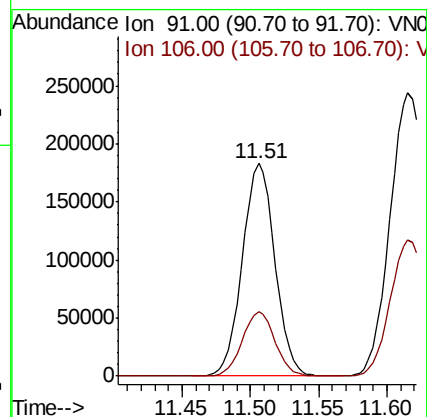
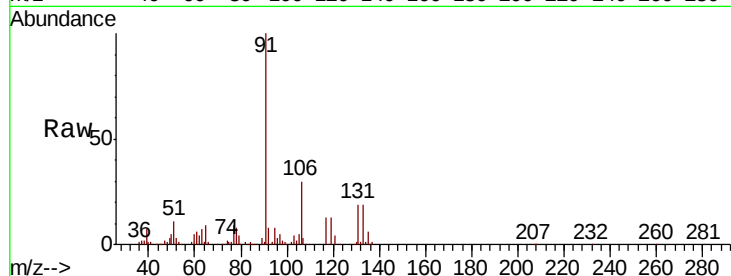
106 30.1 24.5 36.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 37.568 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059572.D

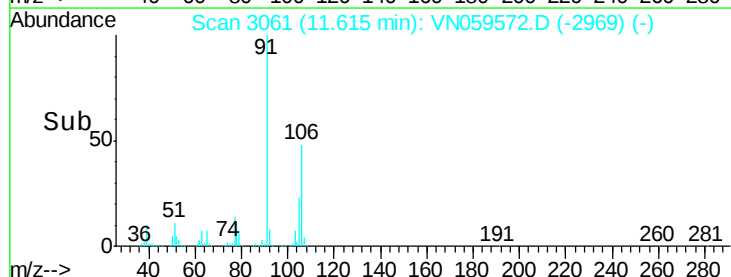
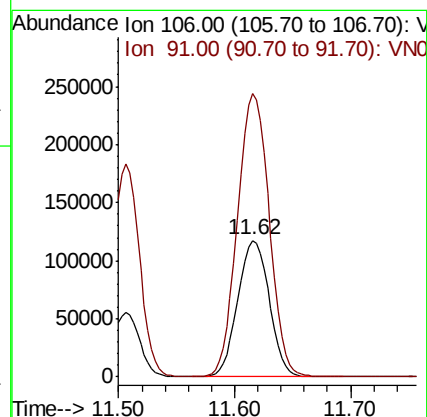
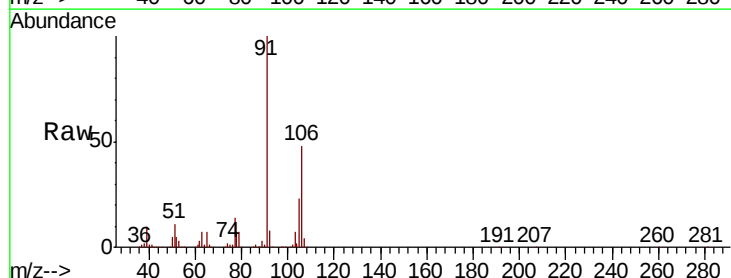
Acq: 12 Dec 2019 14:27

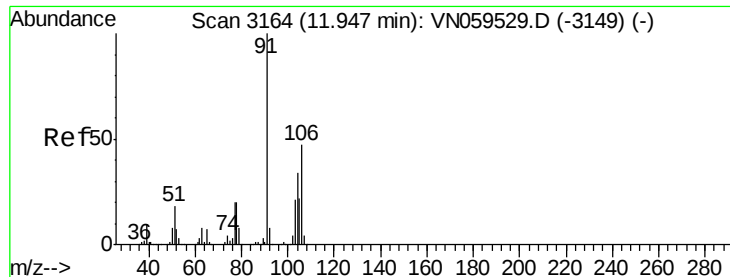
Tgt Ion: 106 Resp: 222899

Ion Ratio Lower Upper

106 100

91 207.8 162.9 244.3





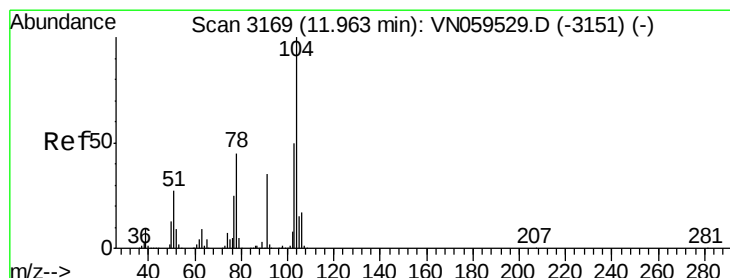
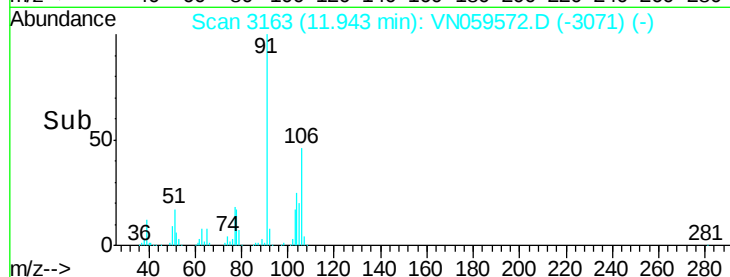
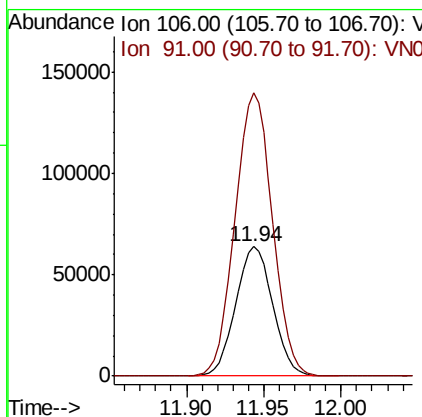
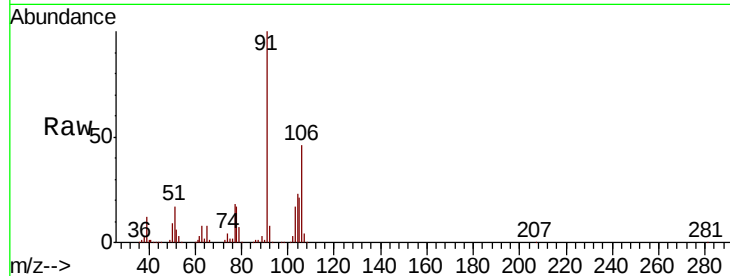
#69
o-Xylene
Concen: 19.256 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion:106 Resp: 106337
Ion Ratio Lower Upper
106 100
91 221.1 106.7 319.9

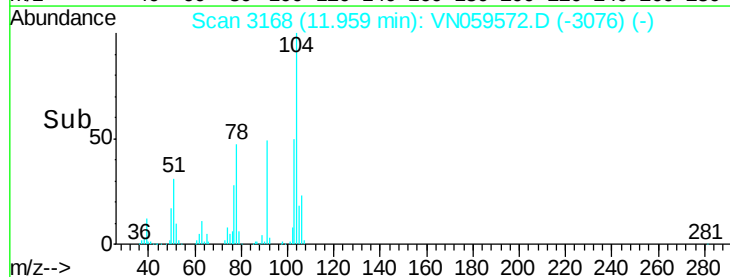
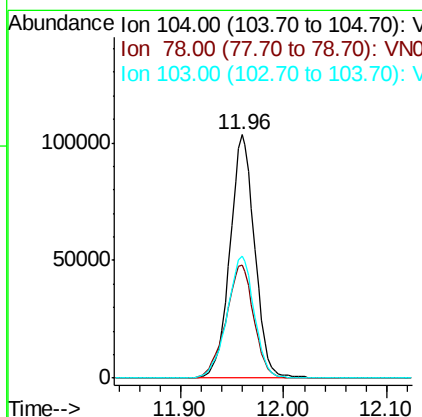
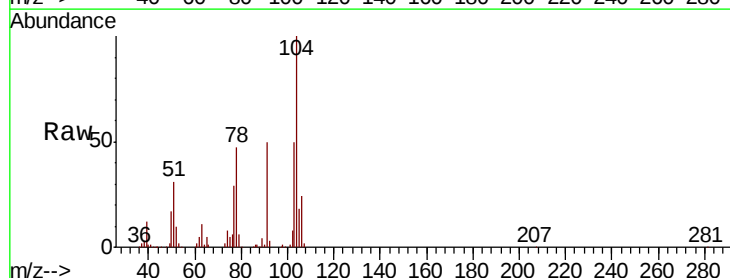
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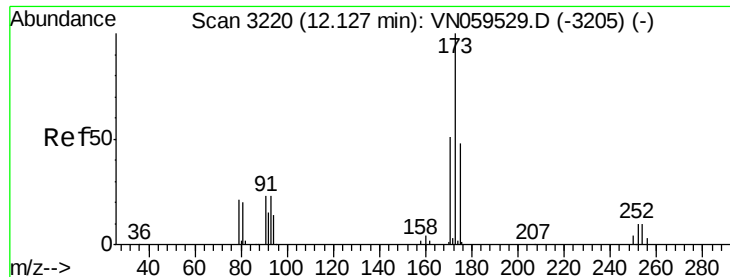
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#70
Styrene
Concen: 18.948 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion:104 Resp: 173353
Ion Ratio Lower Upper
104 100
78 52.3 40.6 60.8
103 55.0 43.9 65.9





#71

Bromoform

Concen: 19.006 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

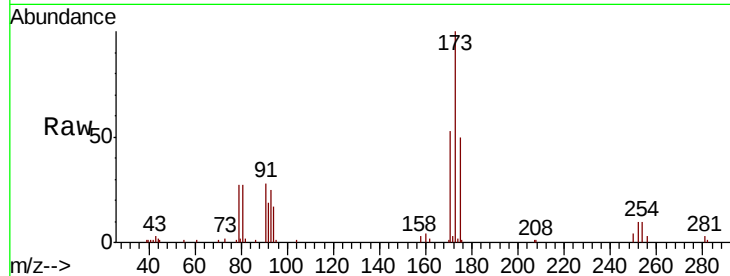
ClientSampleId :

VN1212MBS01

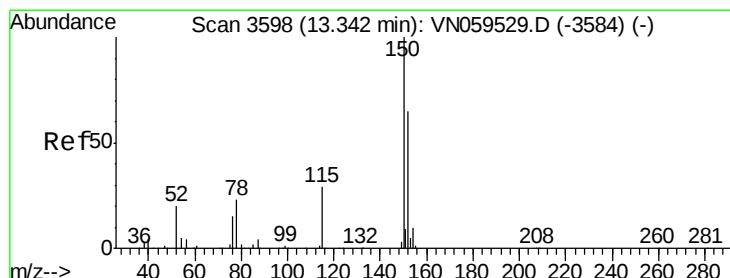
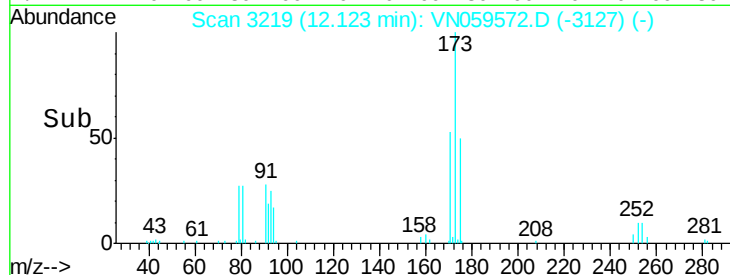
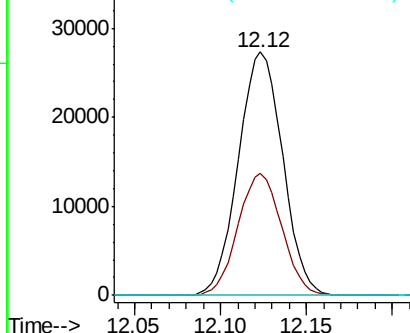
Tot Ion:	173	Resp:	49022
Ion Ratio	Lower	Upper	
173	100		
175	49.4	24.1	72.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

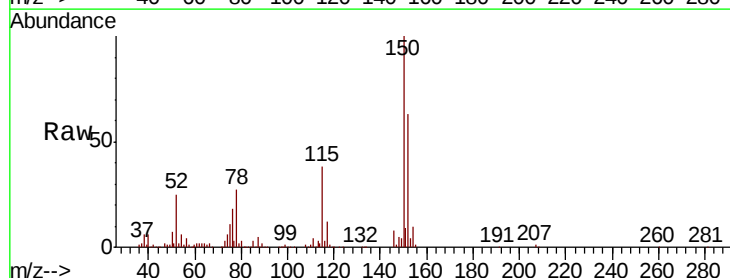
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

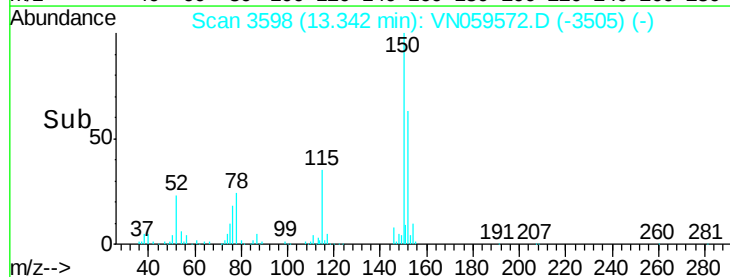
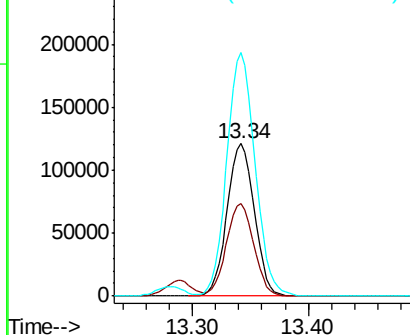
Lab File: VN059572.D

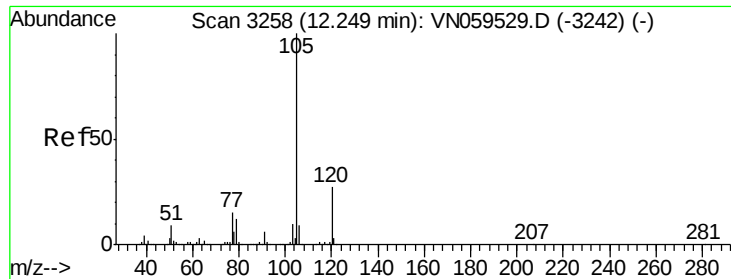
Acq: 12 Dec 2019 14:27

Tgt Ion:	152	Resp:	197367
Ion Ratio	Lower	Upper	
152	100		
115	60.9	29.4	88.2
150	165.5	0.0	342.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.463 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

Tot Ion: 105 Resp: 288146

Ion Ratio Lower Upper

105 100

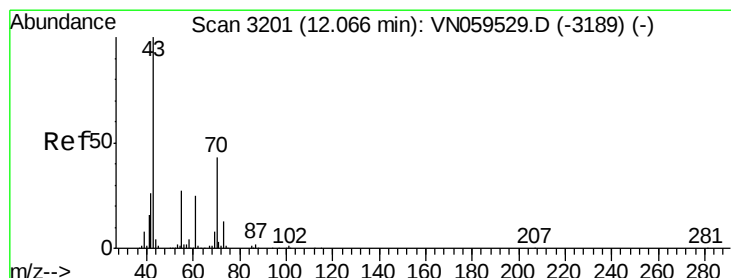
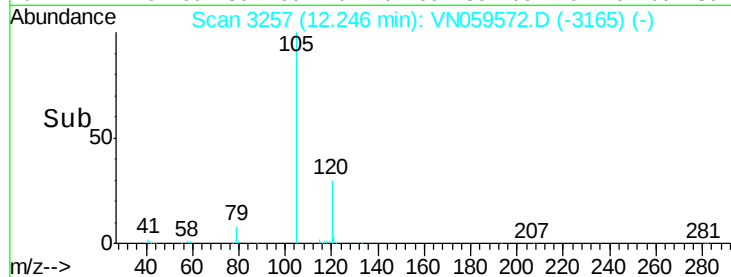
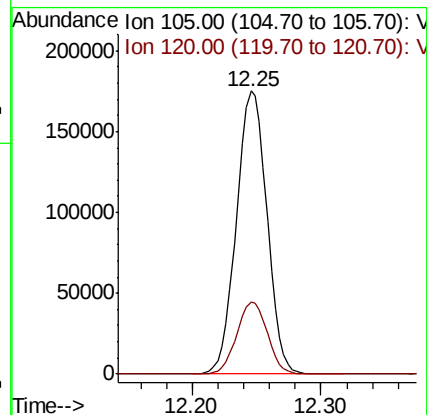
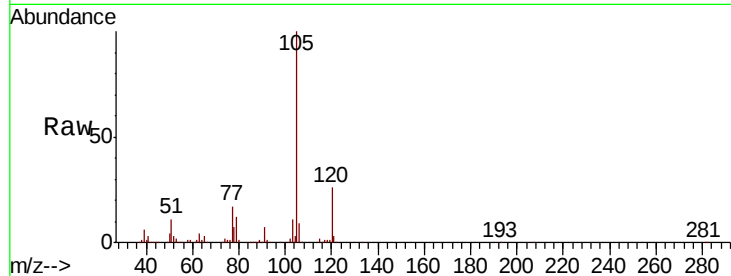
120 25.5 13.2 39.5

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#74

N-ethyl acetate

Concen: 19.949 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Tgt Ion: 43 Resp: 128648

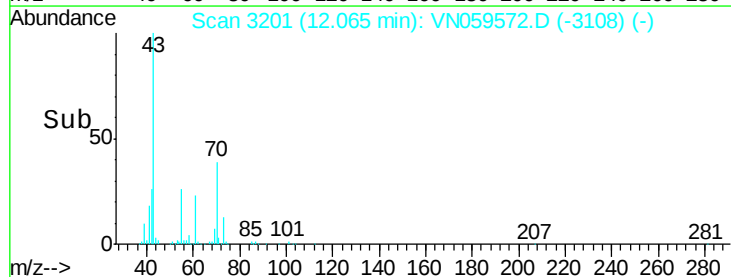
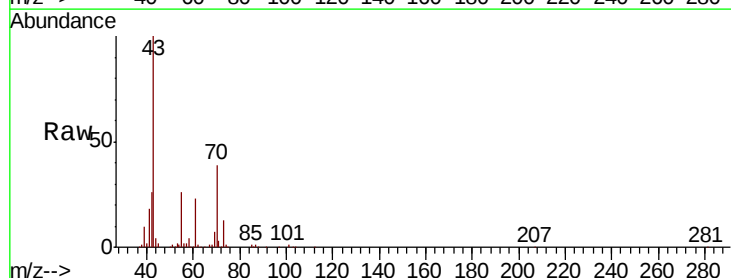
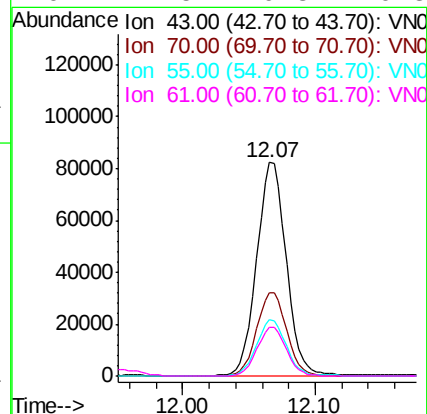
Ion Ratio Lower Upper

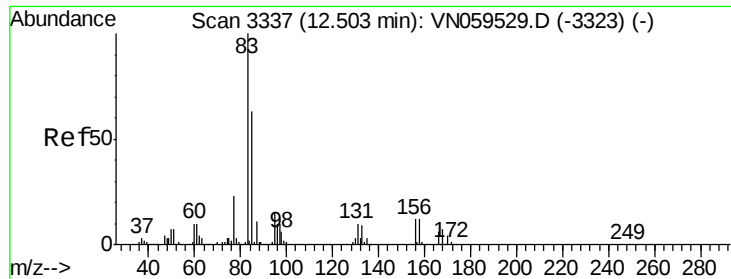
43 100

70 39.8 34.2 51.4

55 26.5 21.3 31.9

61 22.5 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.722 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

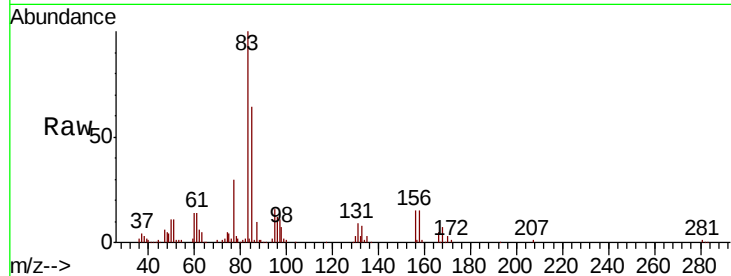
ClientSampleId :

VN1212MBS01

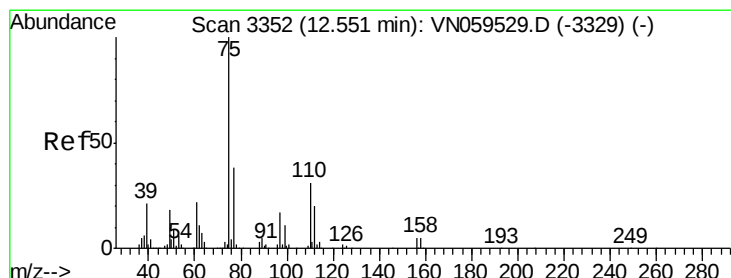
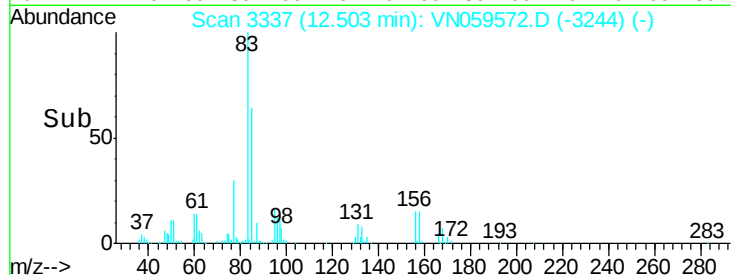
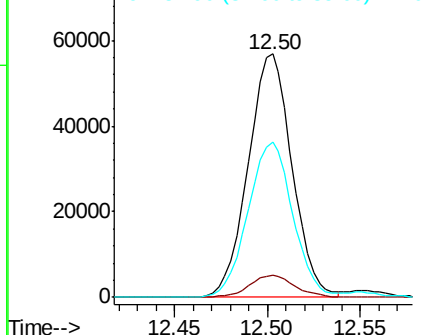
Tot Ion:	83	Resp:	93922
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.0	14.9
85	65.0	31.6	95.0

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Abundance Ion 82.90 (82.60 to 83.60): VN059572.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 18.130 ug/l m

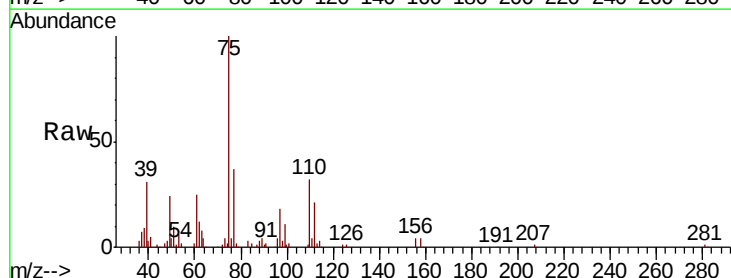
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

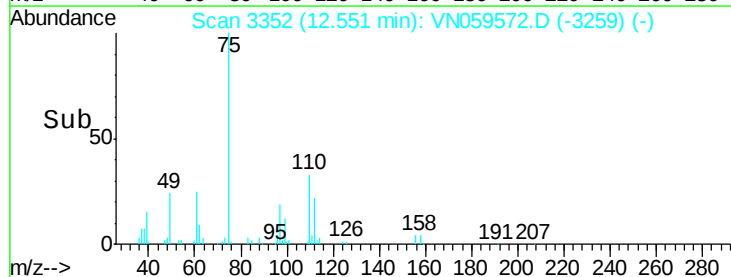
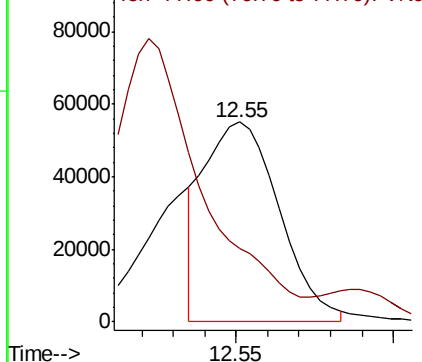
Lab File: VN059572.D

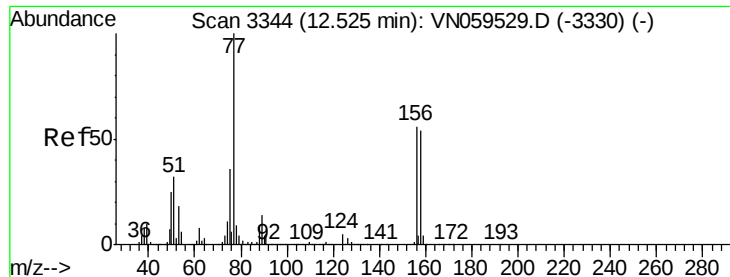
Acq: 12 Dec 2019 14:27

Tgt Ion:	75	Resp:	91505
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059572.D (-3259) (-)





#77

Bromobenzene

Concen: 18.716 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

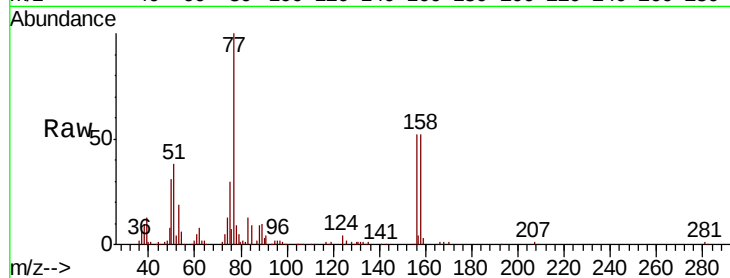
ClientSampleId :

VN1212MBS01

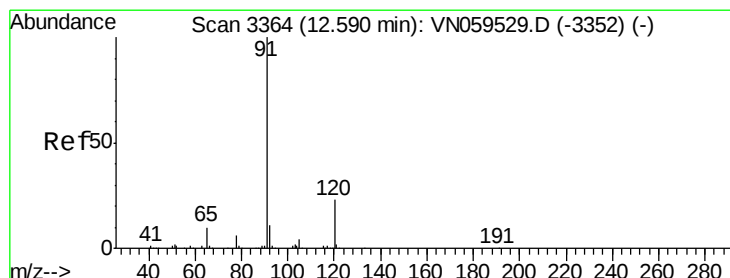
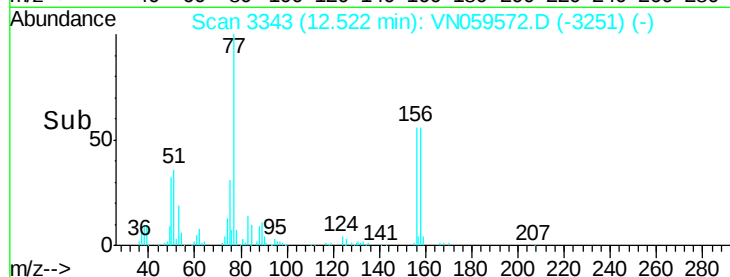
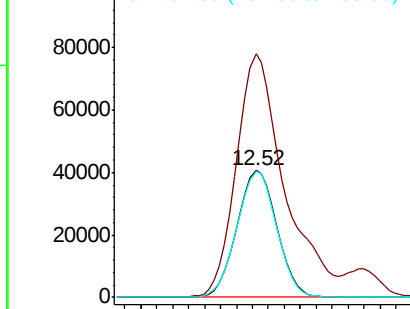
Tot Ion:	156	Resp:	68980
Ion	Ratio	Lower	Upper
156	100		
77	233.2	109.3	327.8
158	98.9	48.6	145.8

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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: 18.836 ug/l

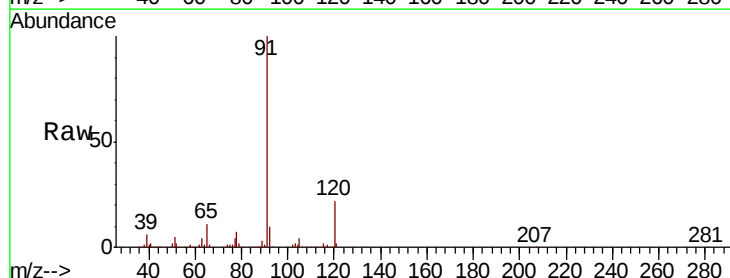
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

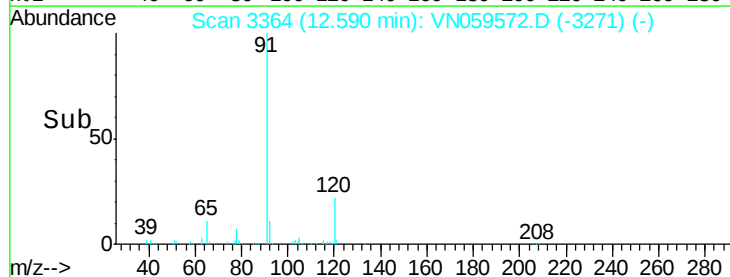
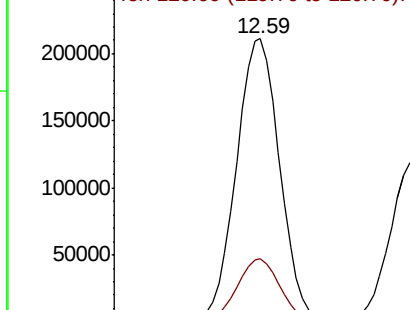
Lab File: VN059572.D

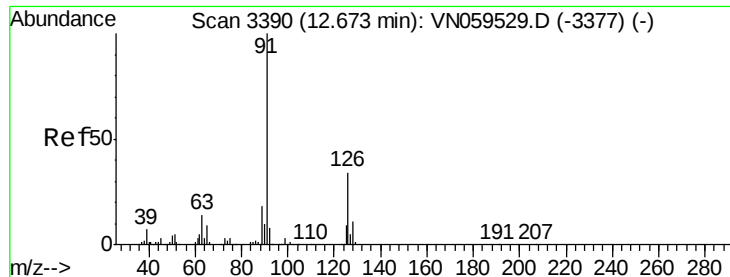
Acq: 12 Dec 2019 14:27

Tgt Ion:	91	Resp:	342675
Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.4	34.1



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





#79

2-Chlorotoluene

Concen: 18.550 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

Tot Ion: 91 Resp: 201230

Ion Ratio Lower Upper

91 100

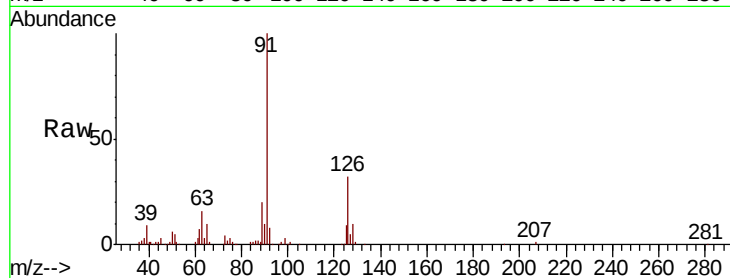
126 32.7 16.9 50.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059572.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN059572.D (-3297) (-)

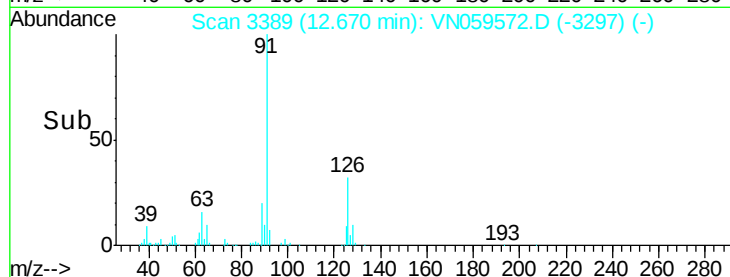
150000

100000

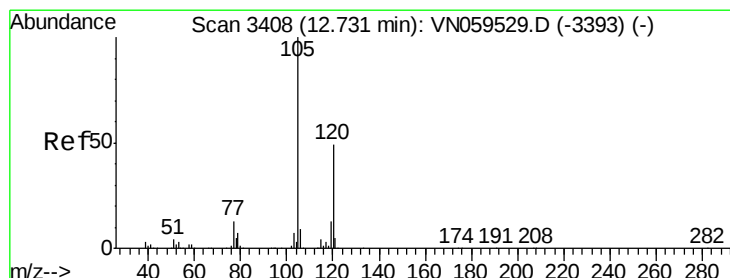
50000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.251 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059572.D

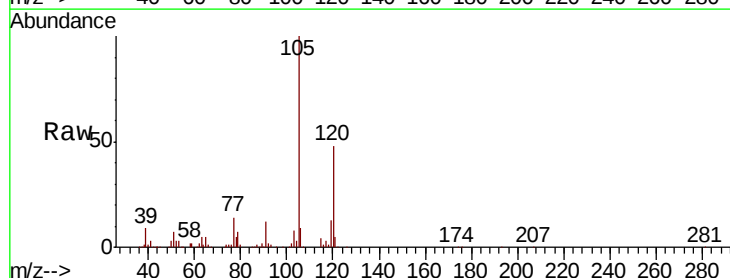
Acq: 12 Dec 2019 14:27

Tgt Ion: 105 Resp: 244399

Ion Ratio Lower Upper

105 100

120 47.3 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN059572.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN059572.D (-3315) (-)

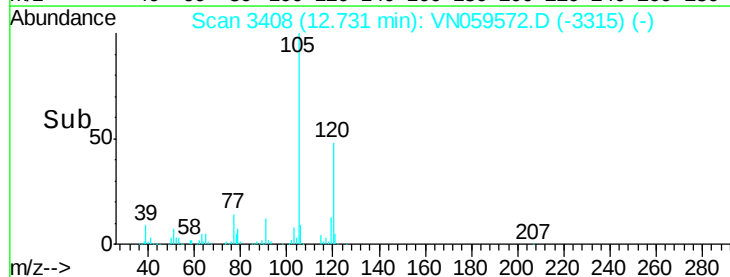
150000

100000

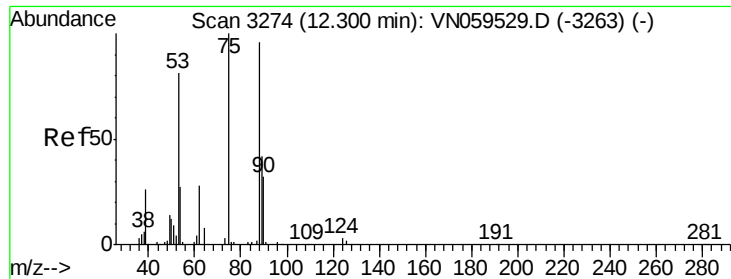
50000

0

12.70 12.80



Time-->



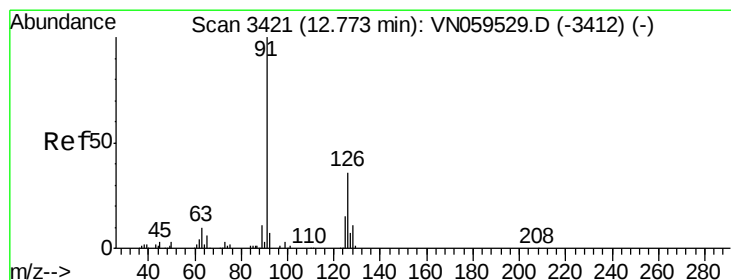
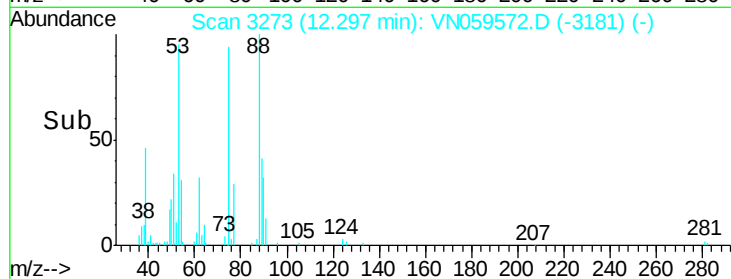
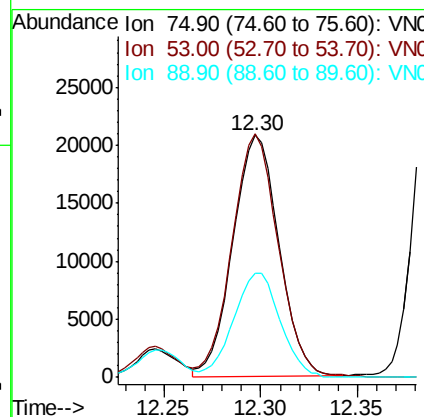
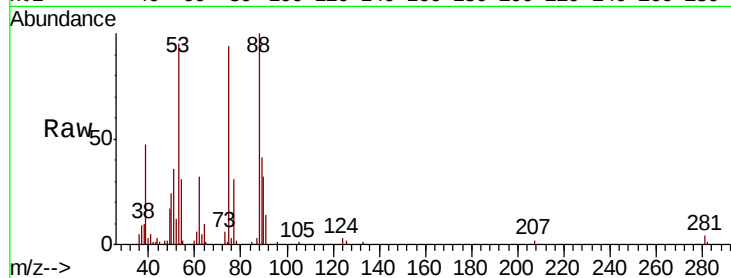
#81
trans-1,4-Dichloro-2-butene
Concen: 18.326 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.9	67.0	100.6#
89	43.9	35.5	53.3

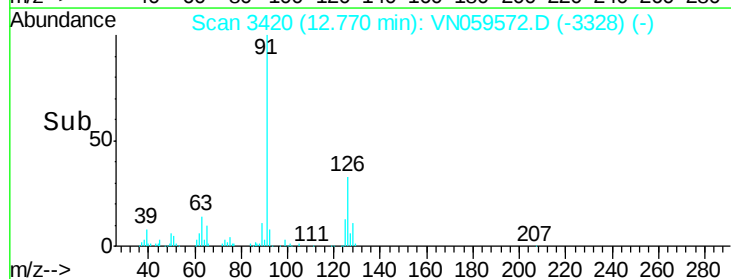
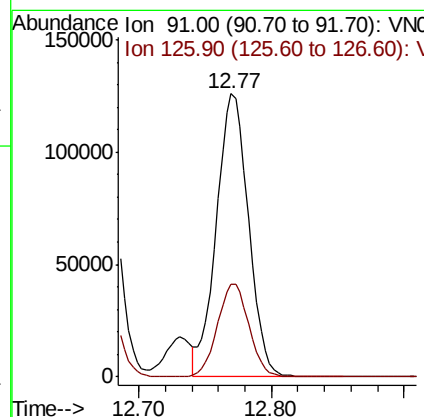
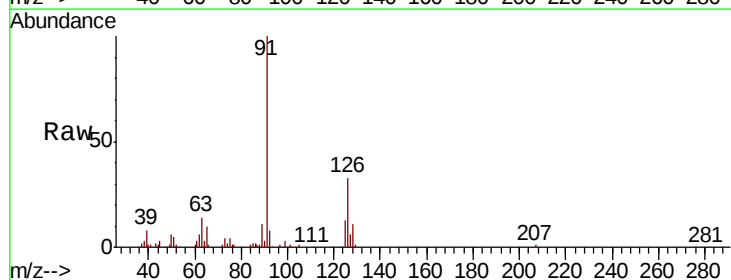
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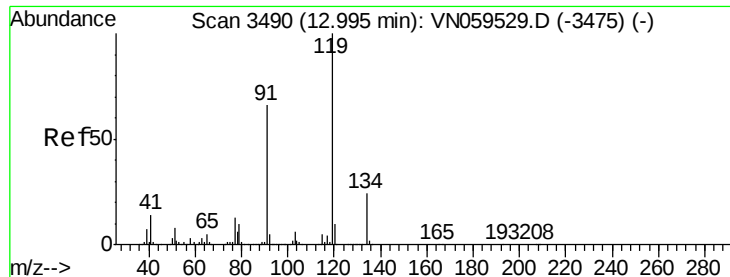
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#82
4-Chlorotoluene
Concen: 19.069 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.4





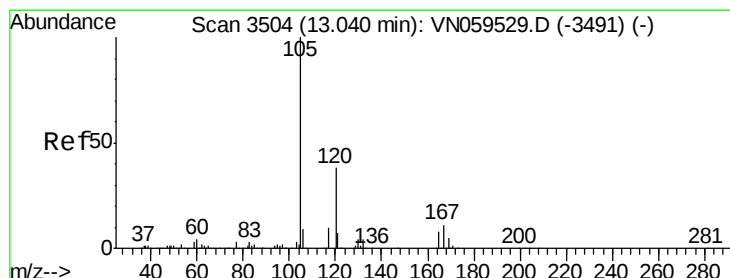
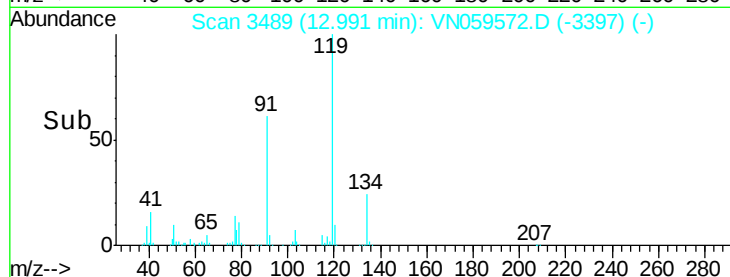
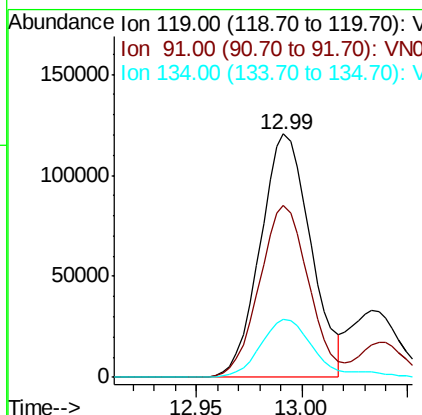
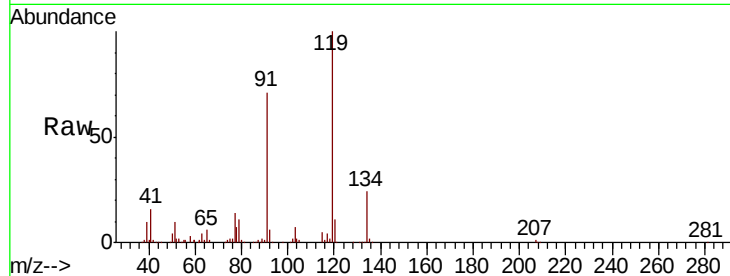
#83
tert-Butylbenzene
Concen: 18.960 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.3	32.8	98.4
134	25.7	12.8	38.3

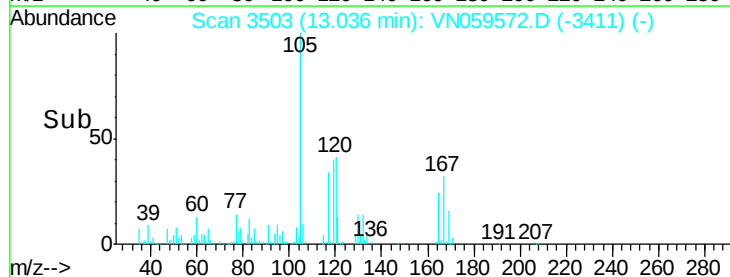
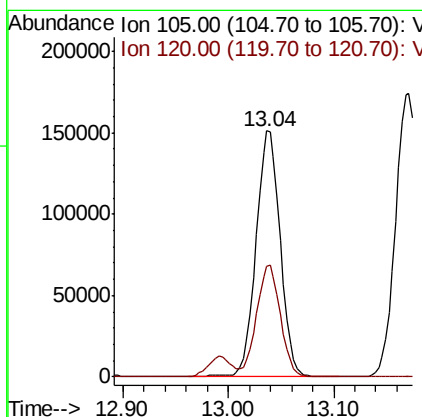
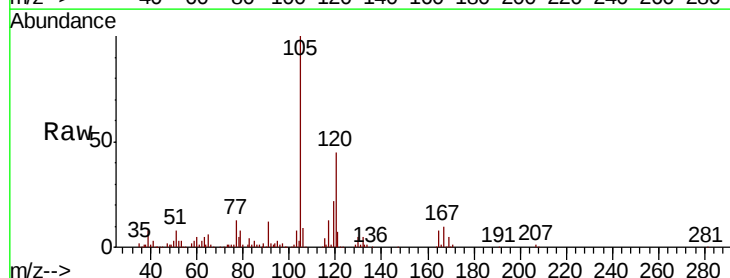
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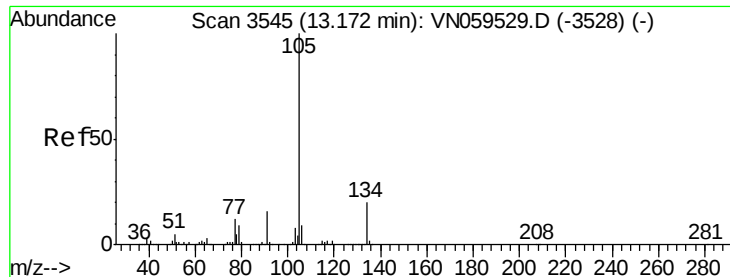
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#84
1,2,4-Trimethylbenzene
Concen: 19.357 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.8	68.3





#85

sec-Butylbenzene

Concen: 19.011 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

Tot Ion:105 Resp: 276444

Ion Ratio Lower Upper

105 100

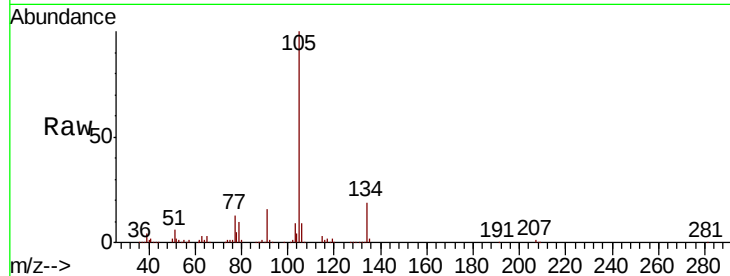
134 19.5 9.8 29.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

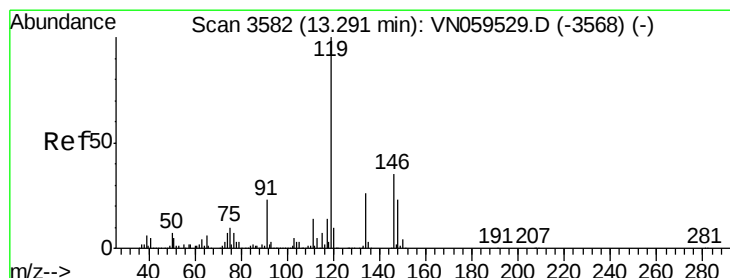
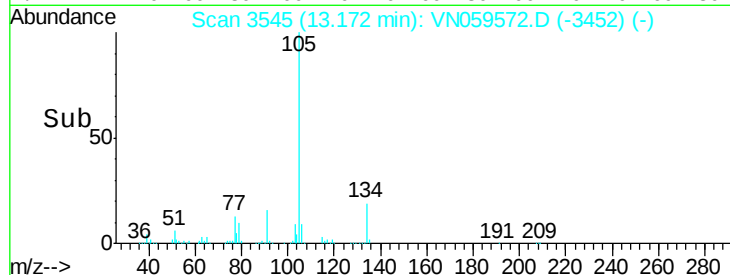
100000

50000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 19.436 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

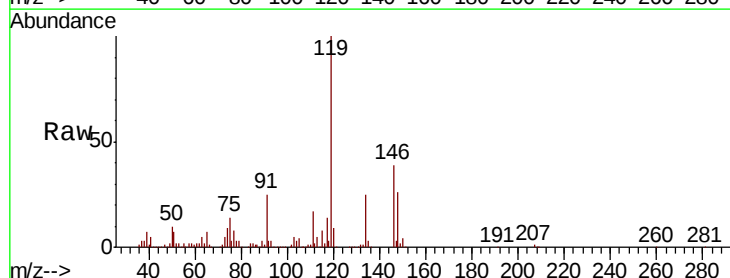
Tgt Ion:119 Resp: 252603

Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

91 25.1 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

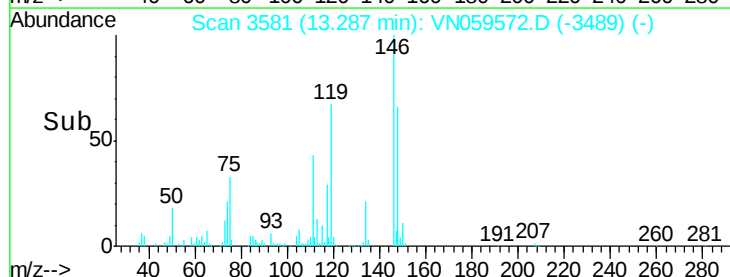
100000

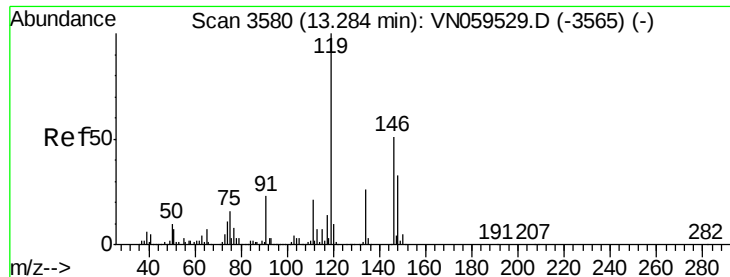
50000

0

13.20 13.25 13.30 13.35

Time-->





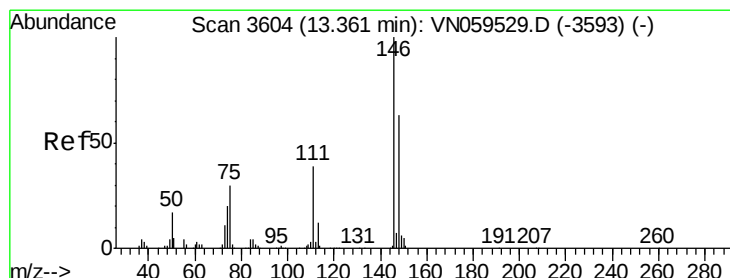
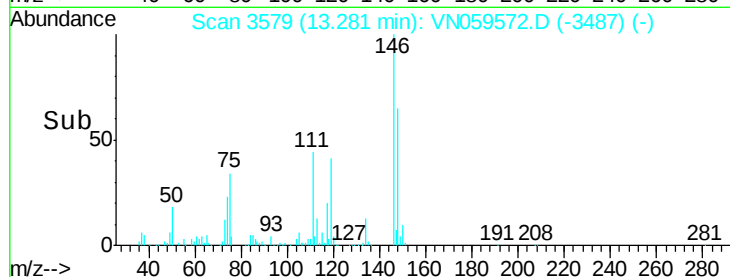
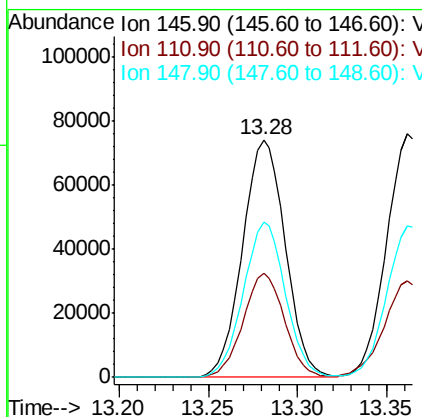
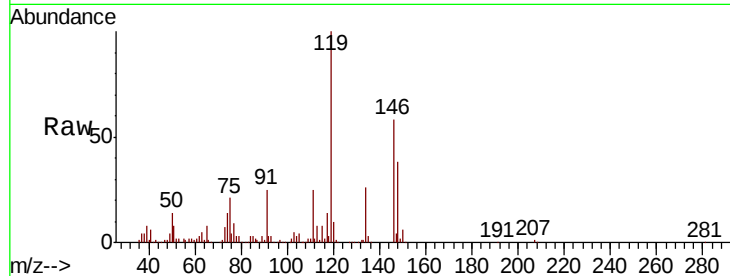
#87
 1,3-Dichlorobenzene
 Concen: 18.315 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.6	61.8
148	64.3	32.0	96.0

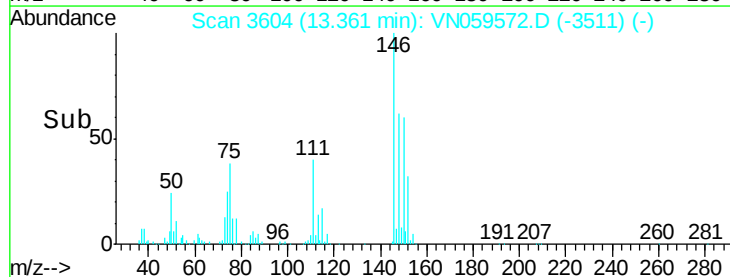
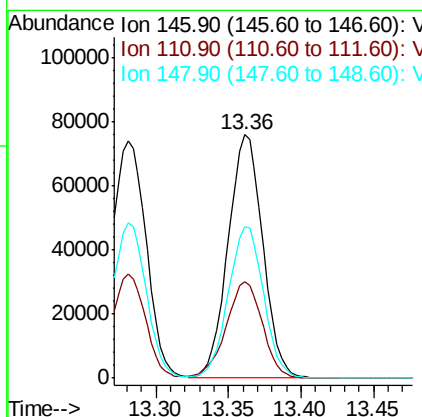
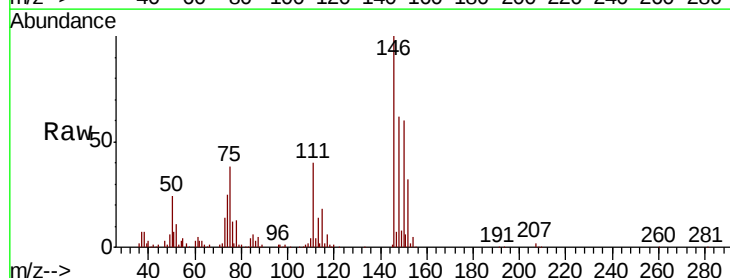
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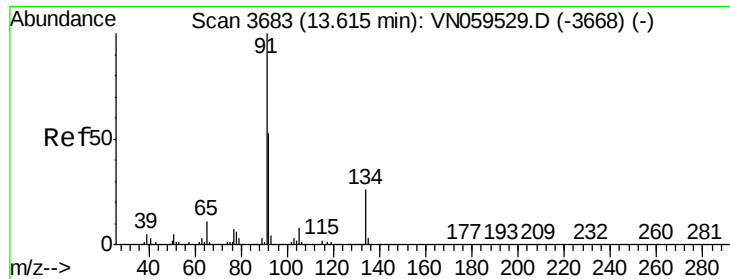
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#88
 1,4-Dichlorobenzene
 Concen: 18.962 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.0	59.9
148	63.4	31.9	95.7





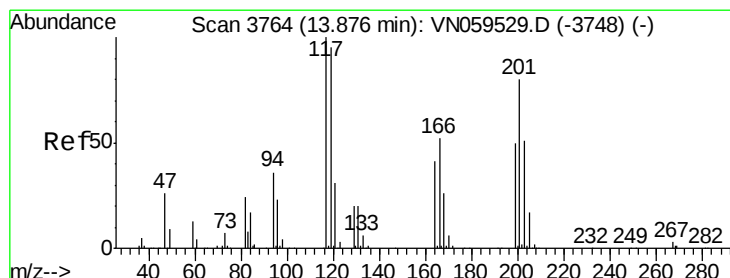
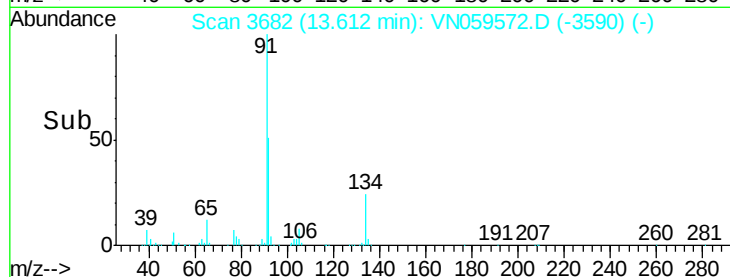
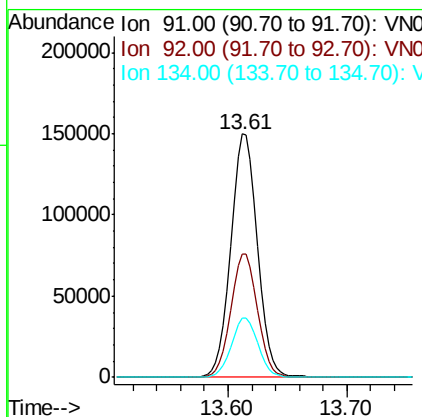
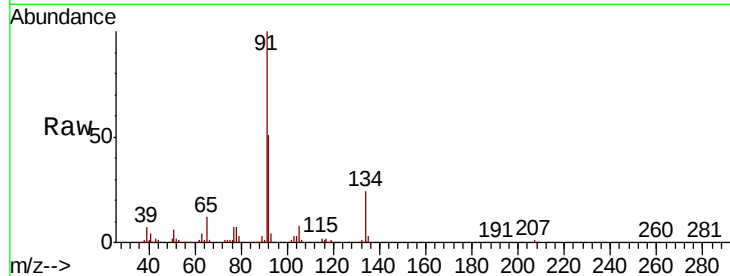
#89
n-Butylbenzene
Concen: 19.001 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	26.3	78.9
134	24.6	12.8	38.4

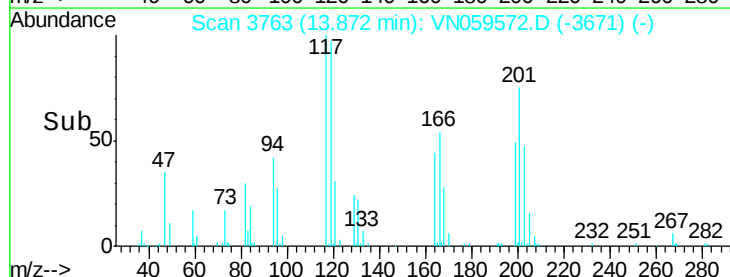
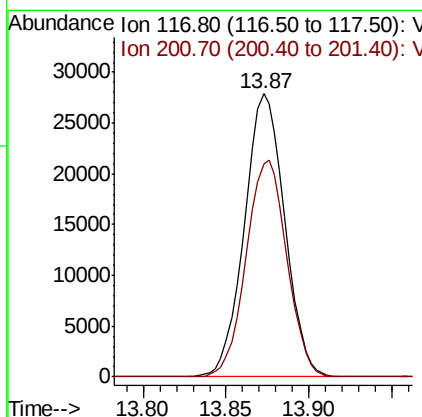
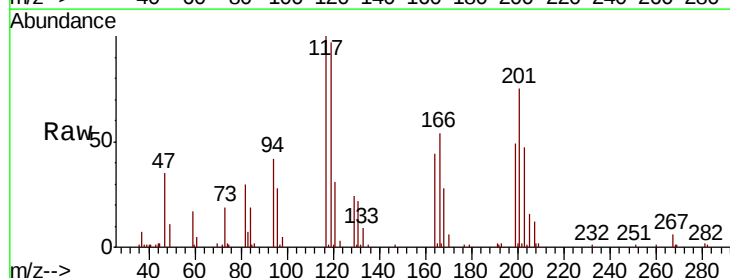
Manual Integrations
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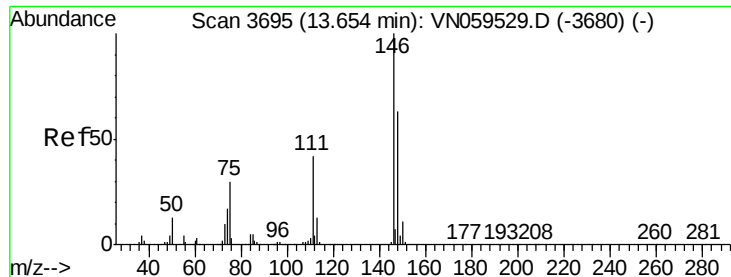
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#90
Hexachloroethane
Concen: 19.802 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.2	40.5	121.5





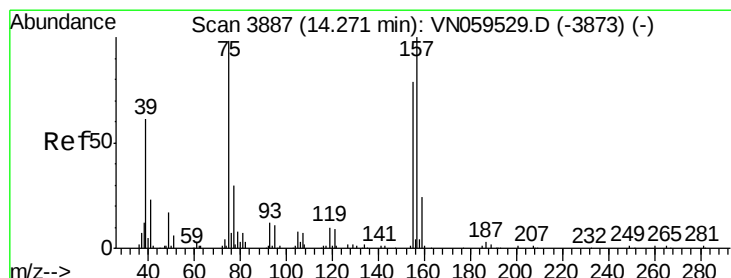
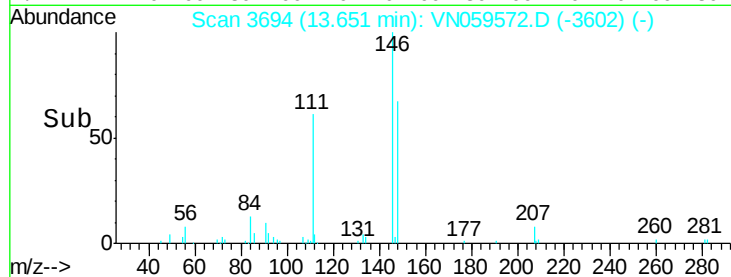
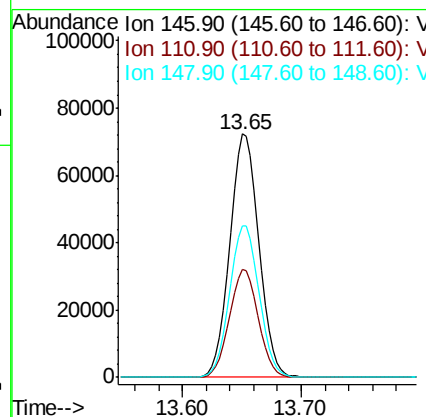
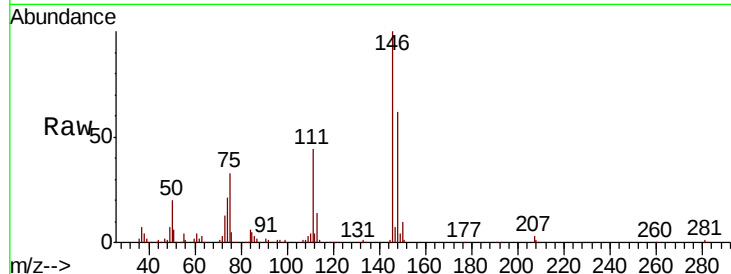
#91
 1,2-Dichlorobenzene
 Concen: 19.268 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.9	62.7
148	63.0	31.6	94.8

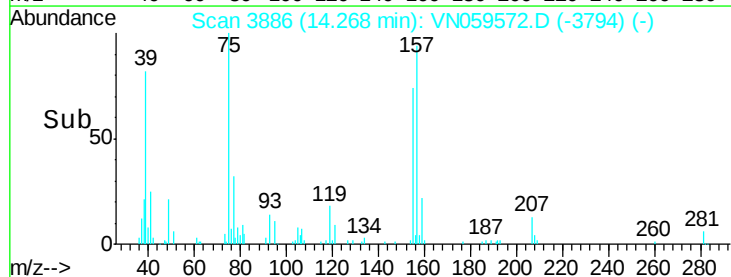
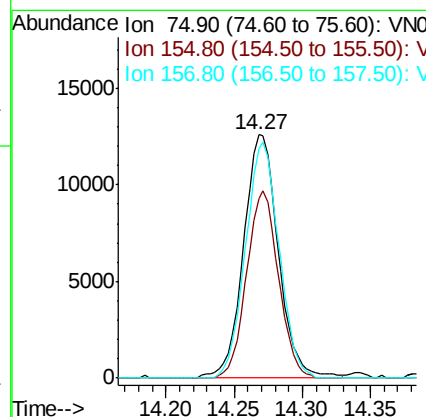
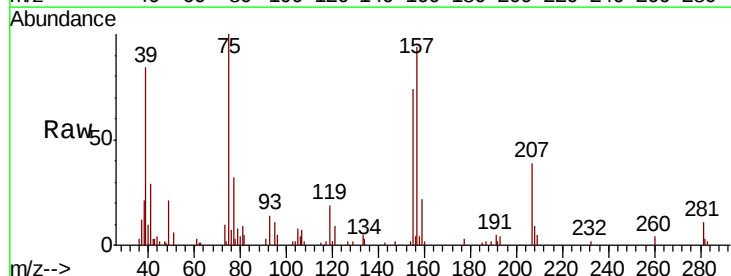
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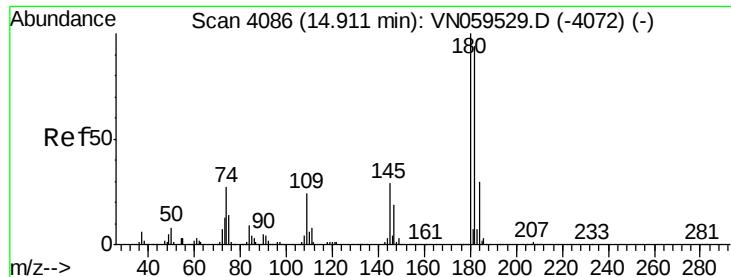
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.678 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.5	40.4	121.1
157	93.0	51.1	153.3





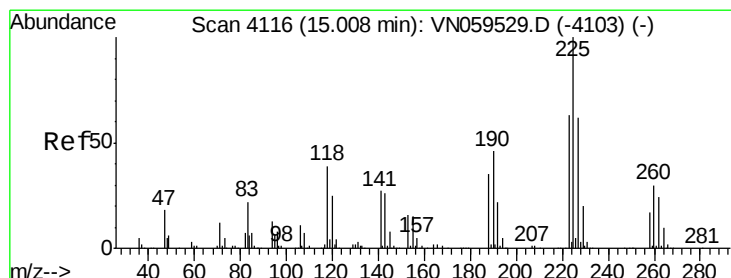
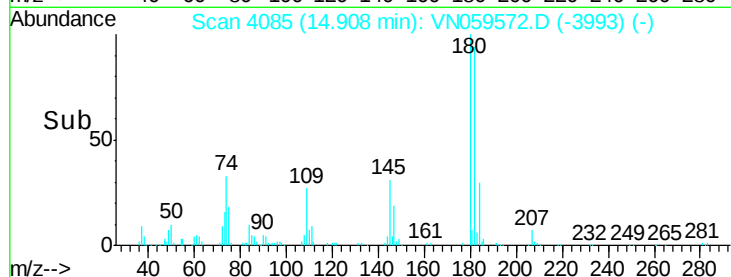
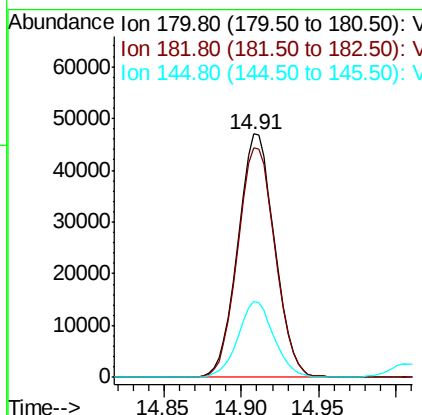
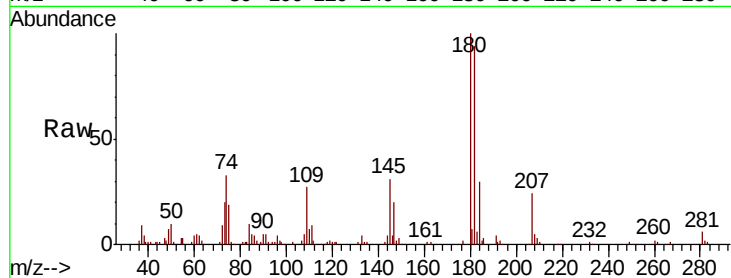
#93
 1,2,4-Trichlorobenzene
 Concen: 17.646 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.3	142.0
145	30.5	14.9	44.7

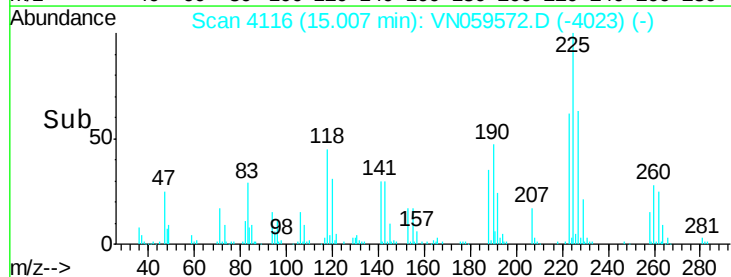
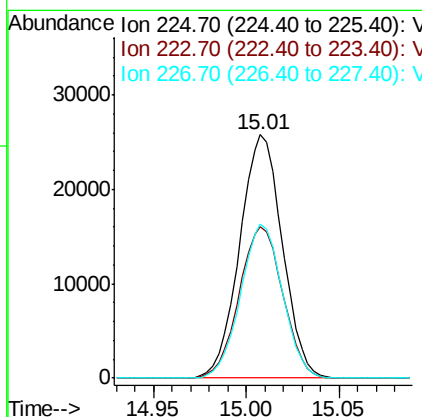
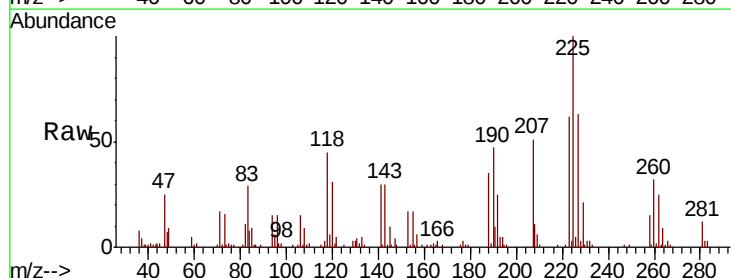
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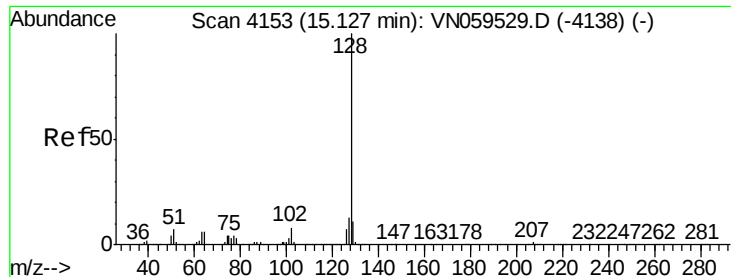
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#94
 Hexachlorobutadiene
 Concen: 18.272 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.3	93.9
227	62.1	31.6	95.0





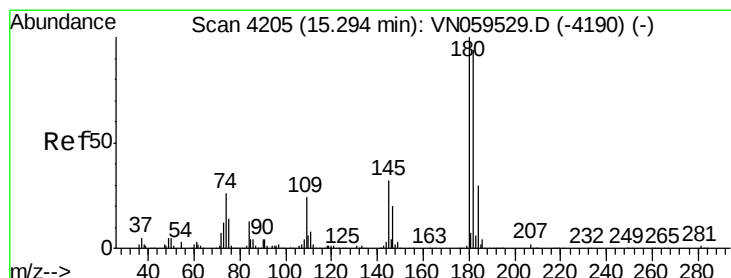
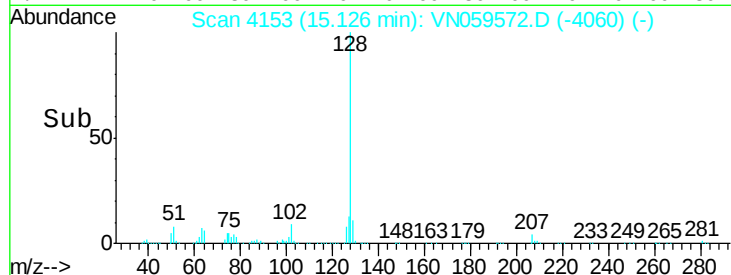
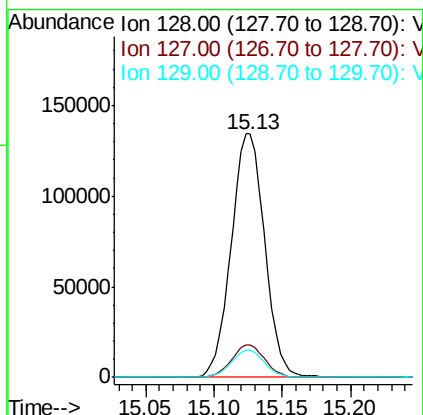
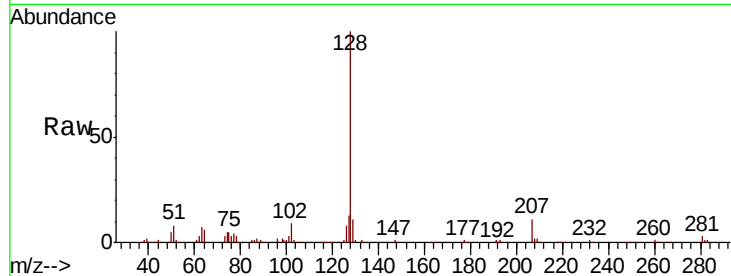
#95
Naphthalene
Concen: 17.759 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.0	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.663 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.4
145	32.7	15.8	47.4

