

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121119\
 Data File : VN059558.D
 Acq On : 11 Dec 2019 13:43
 Operator : JC/SP
 Sample : VN1211MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211MBS01

Manual Integrations
 APPROVED

apatel
 12/12/2019 9:25:32 AM

Quant Time: Dec 12 01:07:20 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	290061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	470698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	521310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	206409	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	222865	54.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.94%	
35) Dibromofluoromethane	7.57	113	155571	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	
50) Toluene-d8	10.08	98	589979	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.40	95	213348	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	62880	18.795	ug/l	100
3) Chloromethane	2.04	50	99840	19.714	ug/l	98
4) Vinyl Chloride	2.17	62	100164	20.066	ug/l	100
5) Bromomethane	2.55	94	60255	19.818	ug/l	99
6) Chloroethane	2.68	64	59166	19.849	ug/l	98
7) Trichlorofluoromethane	3.00	101	121021	20.281	ug/l	99
8) Diethyl Ether	3.38	74	47177	23.069	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	69834	22.487	ug/l	95
10) Methyl Iodide	3.92	142	101027	24.025	ug/l	94
11) Tert butyl alcohol	4.76	59	65715	97.984	ug/l	100
12) 1,1-Dichloroethene	3.71	96	67101	22.226	ug/l	89
13) Acrolein	3.58	56	54340	166.498	ug/l	98
14) Allyl chloride	4.29	41	110544	19.035	ug/l	98
15) Acrylonitrile	4.95	53	176523	99.794	ug/l	99
16) Acetone	3.79	43	167162	88.269	ug/l	91
17) Carbon Disulfide	4.02	76	226932	23.427	ug/l	99
18) Methyl Acetate	4.29	43	96436	19.396	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	208967	20.823	ug/l	99
20) Methylene Chloride	4.52	84	70129	20.387	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	63077	19.467	ug/l	94
22) Diisopropyl ether	5.91	45	230274	20.828	ug/l	95
23) Vinyl Acetate	5.86	43	955667	103.624	ug/l	100
24) 1,1-Dichloroethane	5.82	63	129903	20.695	ug/l	98
25) 2-Butanone	6.81	43	244511	95.921	ug/l	100
26) 2,2-Dichloropropane	6.80	77	113154	19.954	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	73233	20.094	ug/l	100
28) Bromochloromethane	7.17	49	55060	24.654	ug/l	100
29) Tetrahydrofuran	7.18	42	167537	94.488	ug/l	100
30) Chloroform	7.35	83	126236	20.377	ug/l	99
31) Cyclohexane	7.63	56	114411	18.729	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	108926	19.820	ug/l	99
36) 1,1-Dichloropropene	7.77	75	95063	19.685	ug/l	99
37) Ethyl Acetate	6.90	43	106545	19.875	ug/l	100
38) Carbon Tetrachloride	7.75	117	95025	19.963	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	103621	19.129	ug/l	95
40) Benzene	8.02	78	274903	19.927	ug/l	98
41) Methacrylonitrile	7.15	41	45015m	19.181	ug/l	
42) 1,2-Dichloroethane	8.10	62	110378	21.474	ug/l	100
43) Isopropyl Acetate	8.14	43	169577	20.342	ug/l	99
44) Trichloroethene	8.82	130	73768	21.166	ug/l	98
45) 1,2-Dichloropropane	9.10	63	74908	20.497	ug/l	99
46) Dibromomethane	9.19	93	49336	20.427	ug/l	97
47) Bromodichloromethane	9.39	83	100664	20.971	ug/l	99
48) Methyl methacrylate	9.18	41	74898	20.548	ug/l	99
49) 1,4-Dioxane	9.19	88	20853	447.148	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	511770	96.122	ug/l	99
52) Toluene	10.14	92	166825	20.296	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	111584	19.952	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	118487	20.700	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	68079	20.478	ug/l	99
56) Ethyl methacrylate	10.42	69	95552	18.102	ug/l	99
57) 1,3-Dichloropropane	10.70	76	119123	20.981	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	170072	124.879	ug/l	99
59) 2-Hexanone	10.74	43	372911	93.574	ug/l	98
60) Dibromochloromethane	10.90	129	73689	19.231	ug/l	98
61) 1,2-Dibromoethane	11.00	107	70675	20.421	ug/l	98
64) Tetrachloroethene	10.62	164	67026	17.592	ug/l	99
65) Chlorobenzene	11.43	112	199862	18.297	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	68010	16.694	ug/l	99
67) Ethyl Benzene	11.51	91	322429	16.404	ug/l	98
68) m/p-Xylenes	11.62	106	236877	32.125	ug/l	97
69) o-Xylene	11.94	106	110819	16.147	ug/l	95
70) Styrene	11.96	104	175389	15.425	ug/l	96
71) Bromoform	12.12	173	49805	15.537	ug/l #	96
73) Isopropylbenzene	12.25	105	301844	19.495	ug/l	99
74) N-amyl acetate	12.07	43	133507	19.796	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	98987	18.868	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	105213m	19.933	ug/l	
77) Bromobenzene	12.52	156	72903	18.913	ug/l	93
78) n-propylbenzene	12.59	91	361557	19.003	ug/l	98
79) 2-Chlorotoluene	12.67	91	211882	18.676	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	253854	19.120	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	36022	18.361	ug/l #	86
82) 4-Chlorotoluene	12.77	91	217123	18.717	ug/l	99
83) tert-Butylbenzene	12.99	119	210028	18.970	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	253413	19.330	ug/l	99
85) sec-Butylbenzene	13.17	105	294528	19.367	ug/l	99
86) p-Isopropyltoluene	13.29	119	266417	19.601	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	134291	18.915	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	133573	19.214	ug/l	98
89) n-Butylbenzene	13.62	91	246991	19.353	ug/l	98
90) Hexachloroethane	13.88	117	49575	19.860	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	129223	19.395	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22513	20.015	ug/l	90

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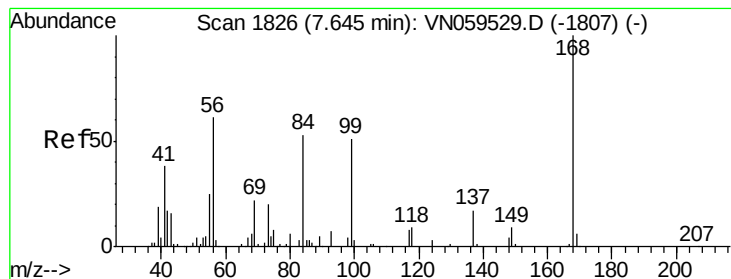
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	81048	17.588	ug/l	99
94) Hexachlorobutadiene	15.01	225	43372	18.423	ug/l	99
95) Naphthalene	15.13	128	229799	17.060	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	79266	19.218	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBS01

Tot Ion:168 Resp: 290061

Ion Ratio Lower Upper

168 100

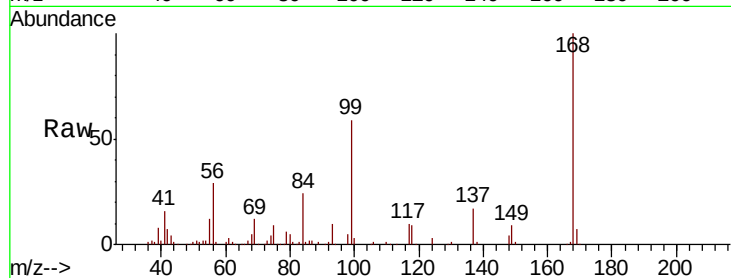
99 58.7 46.6 70.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

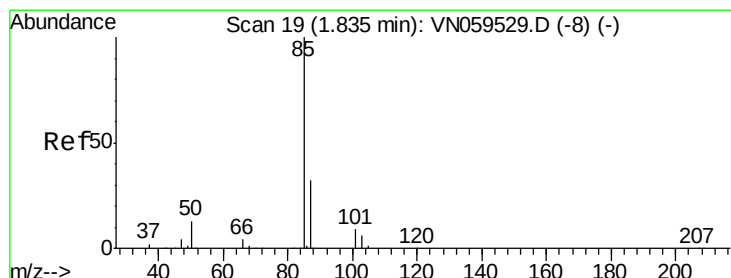
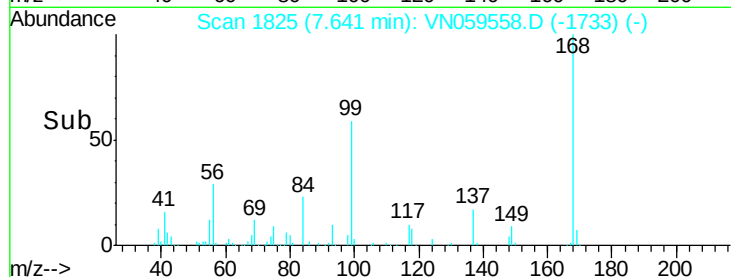
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.795 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059558.D

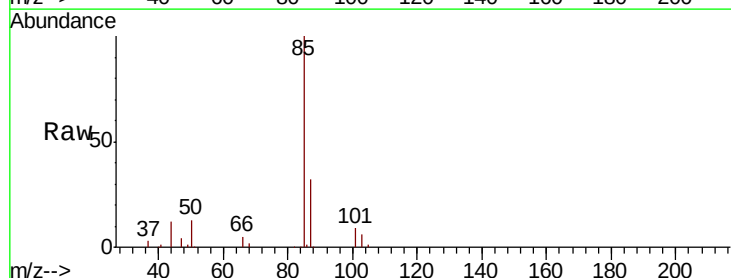
Acq: 11 Dec 2019 13:43

Tgt Ion: 85 Resp: 62880

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

30000

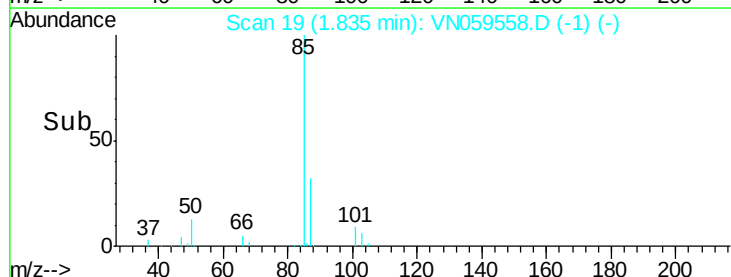
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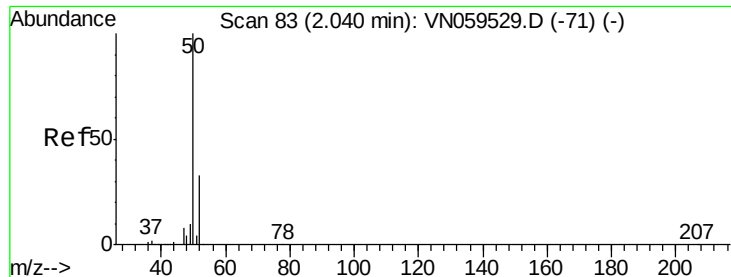
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.714 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBS01

Tot Ion: 50 Resp: 99840

Ion Ratio Lower Upper

50 100

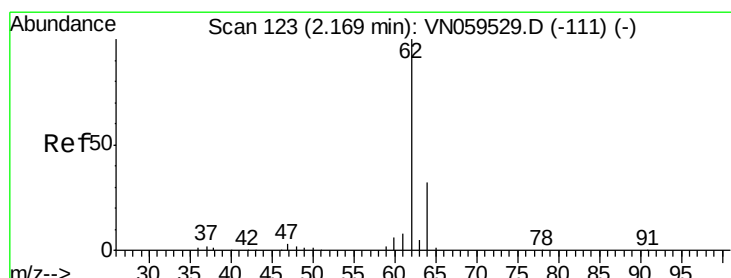
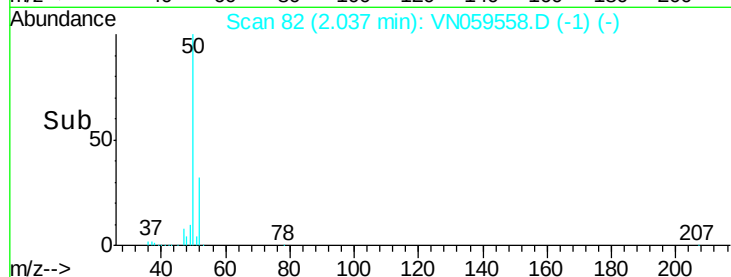
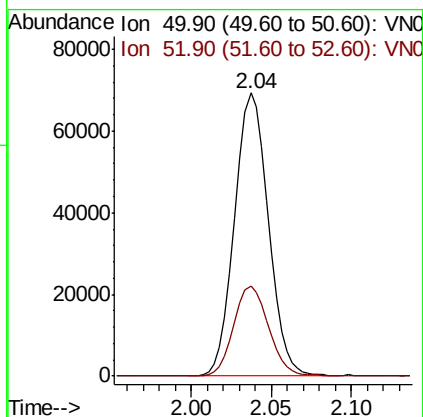
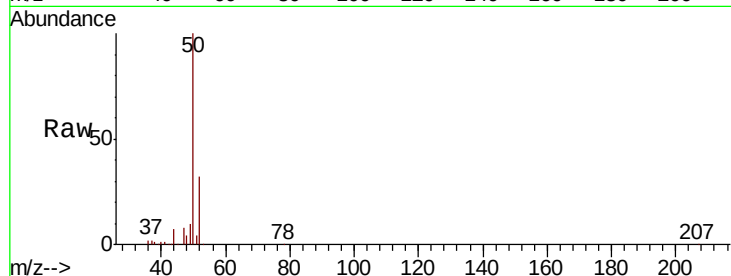
52 31.7 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.066 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059558.D

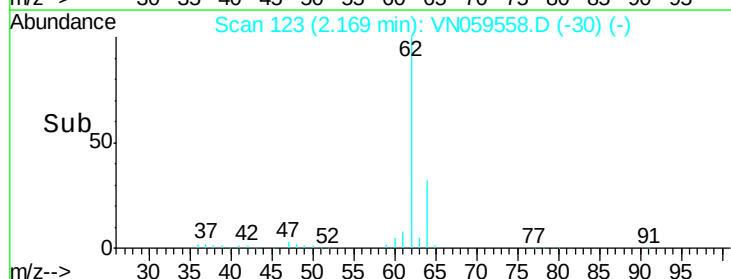
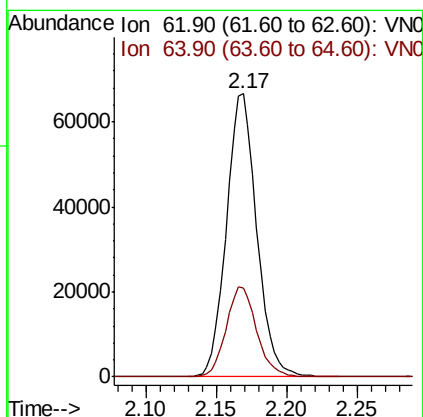
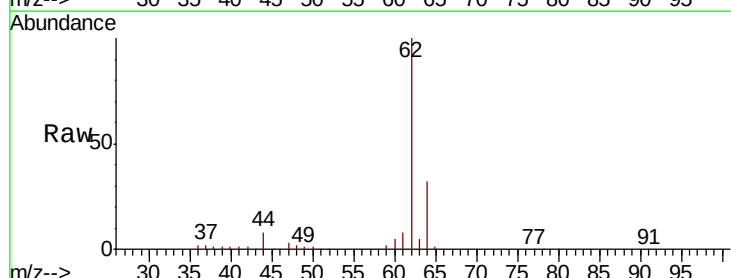
Acq: 11 Dec 2019 13:43

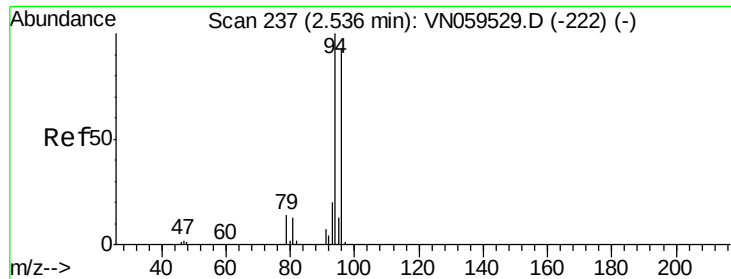
Tgt Ion: 62 Resp: 100164

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 19.818 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

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ClientSampleId :

VN1211MBS01

Tot Ion: 94 Resp: 60255

Ion Ratio Lower Upper

94 100

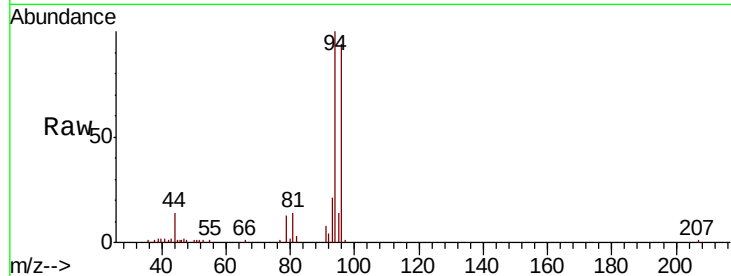
96 94.3 74.6 112.0

Manual Integrations

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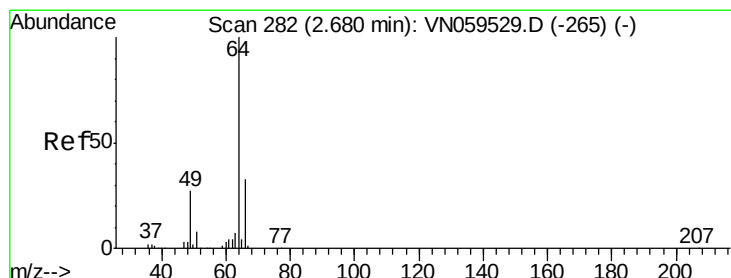
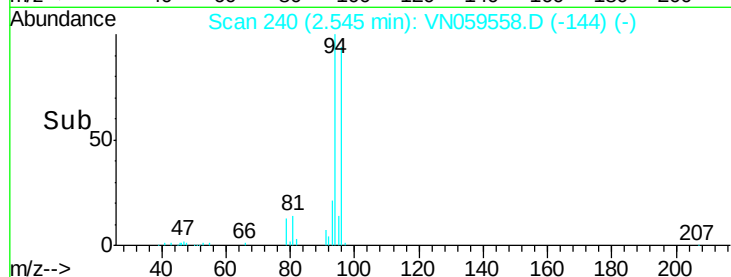
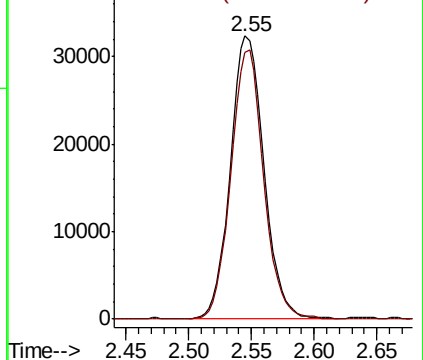
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.849 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059558.D

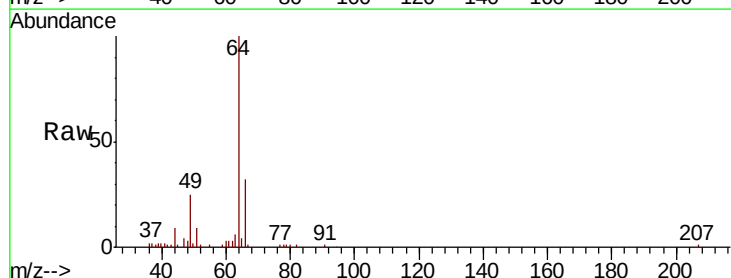
Acq: 11 Dec 2019 13:43

Tgt Ion: 64 Resp: 59166

Ion Ratio Lower Upper

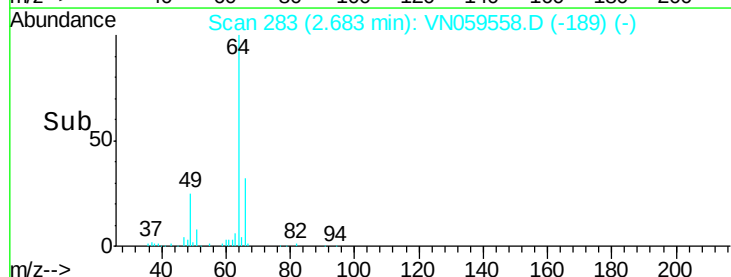
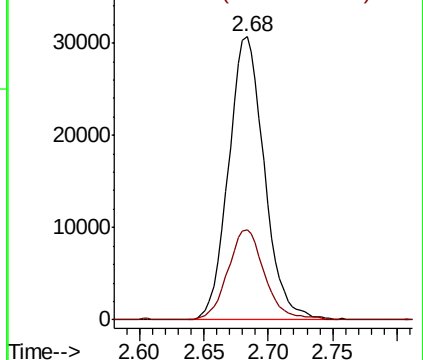
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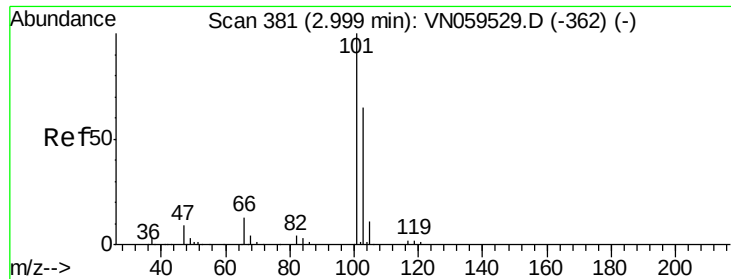
66 32.0 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

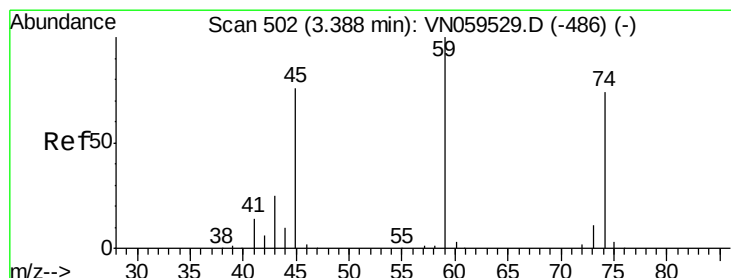
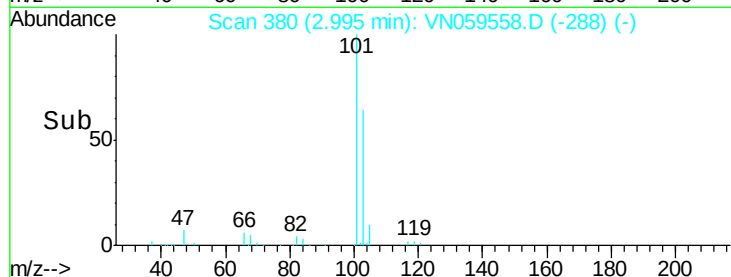
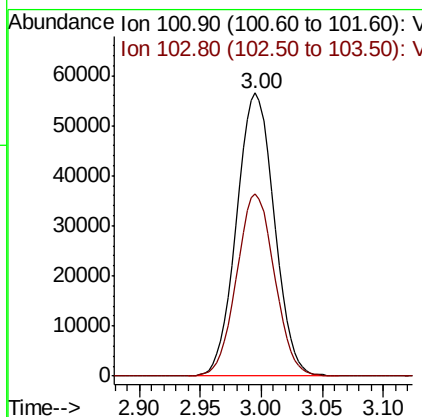
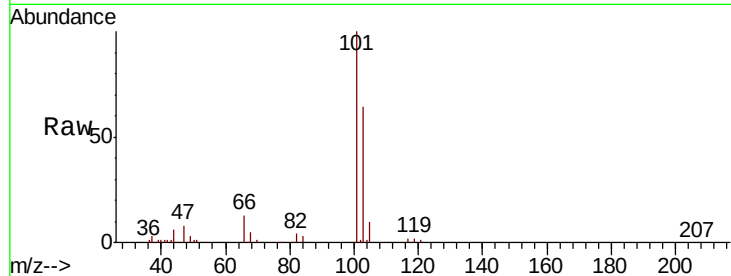
Trichlorofluoromethane
Concen: 20.281 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
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ClientSampleId :
VN1211MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.2	78.4

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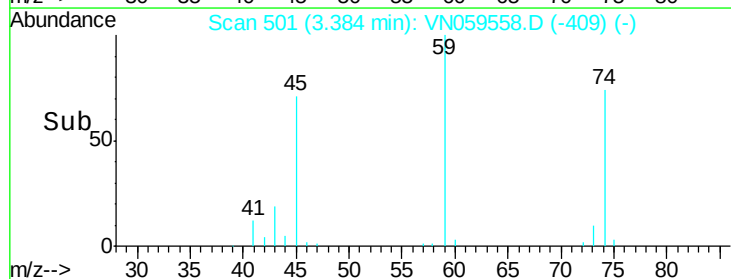
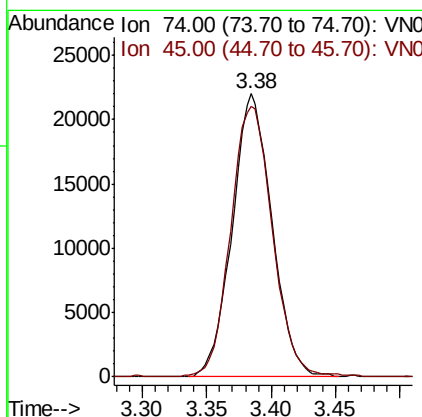
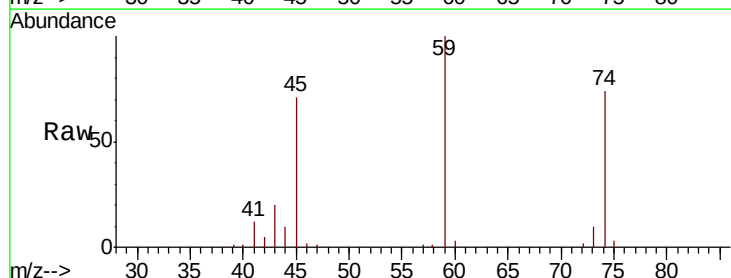
apatel
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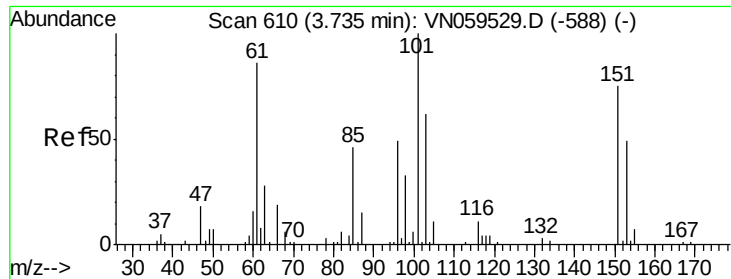


#8

Diethyl Ether
Concen: 23.069 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.7	52.6	157.9





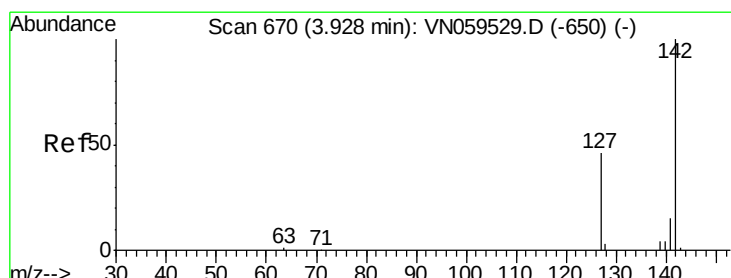
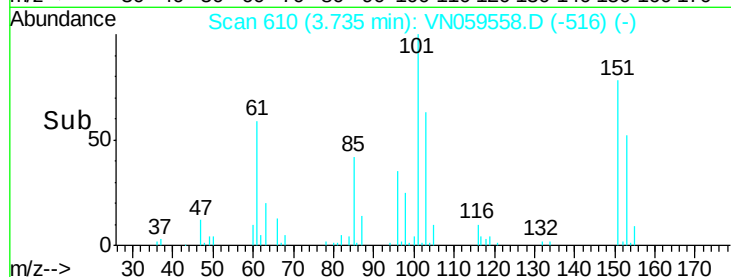
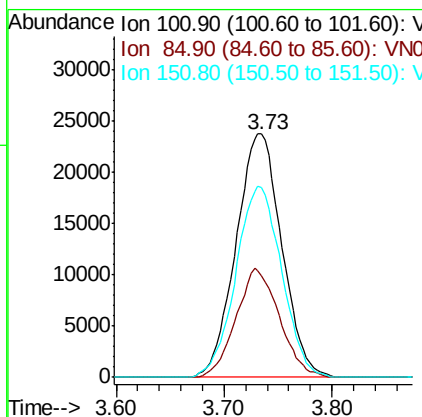
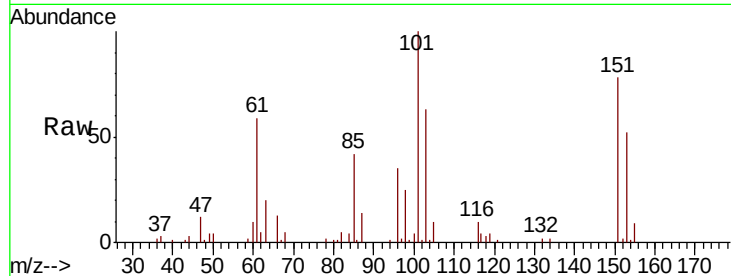
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 22.487 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN059558.D
 Acq: 11 Dec 2019 13:43

Instrument :
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 VN1211MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.4	36.6	54.8
151	78.8	59.3	88.9

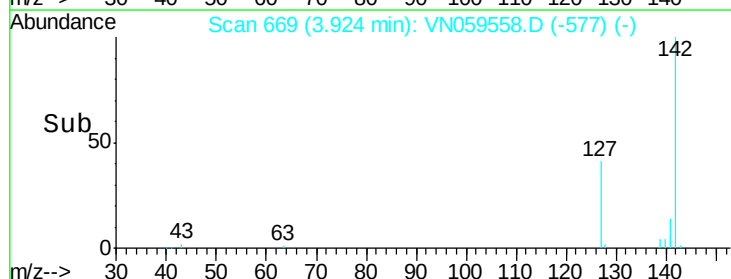
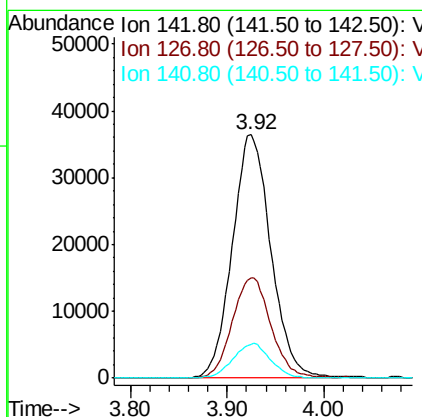
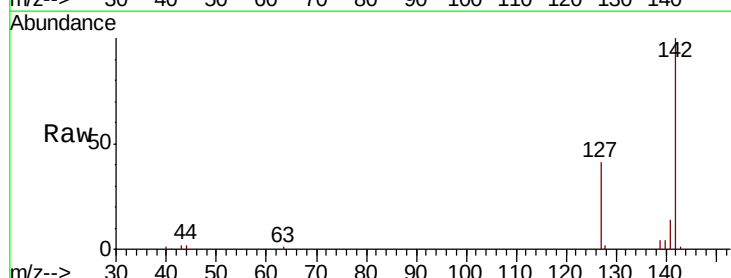
Manual Integrations
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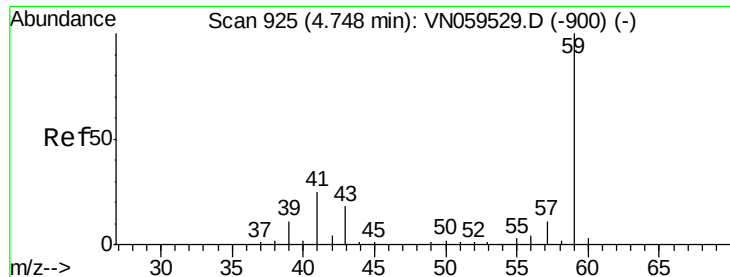
apatel
 12/12/2019 9:25:32 AM



#10
 Methyl Iodide
 Concen: 24.025 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VN059558.D
 Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.3	36.6	54.8
141	13.7	11.6	17.4





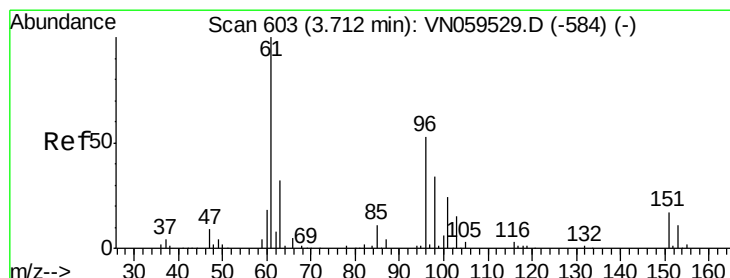
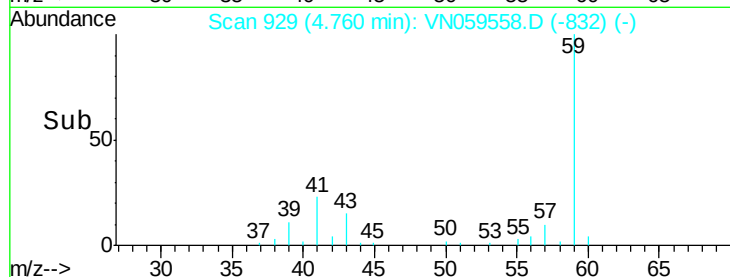
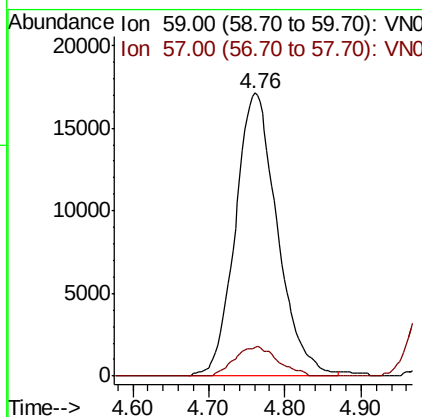
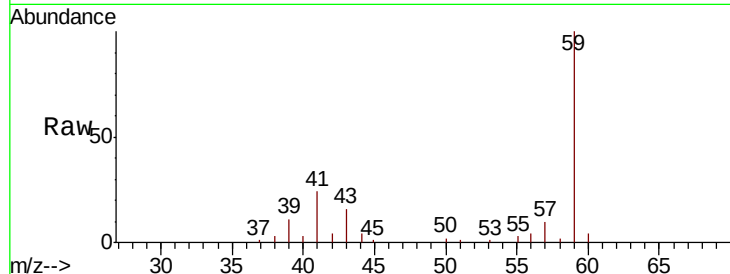
#11
Tert butyl alcohol
Concen: 97.984 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	13.0

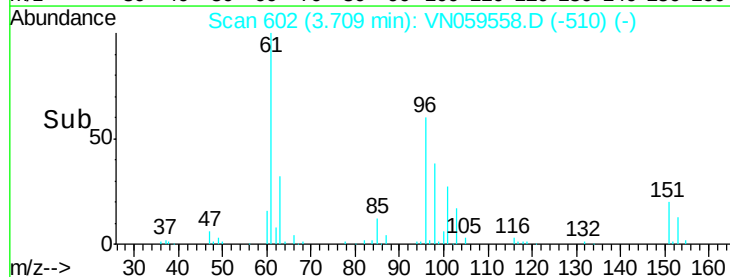
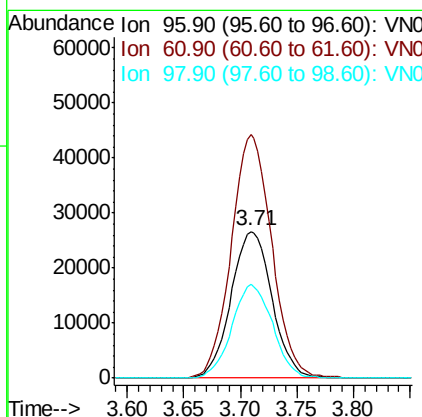
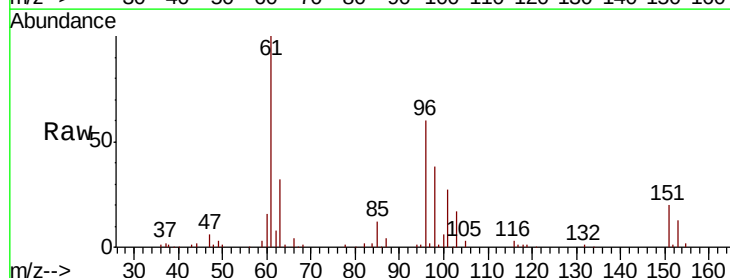
Manual Integrations
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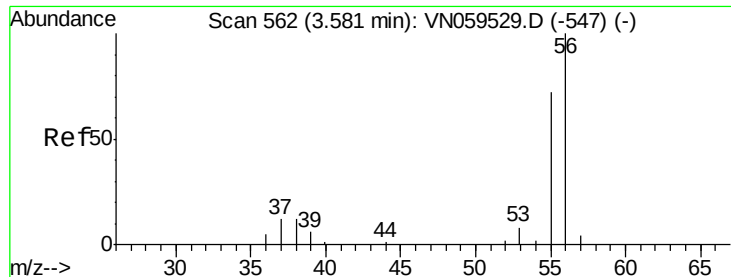
apatel
12/12/2019 9:25:32 AM



#12
1,1-Dichloroethene
Concen: 22.226 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.7	149.8	224.6
98	63.5	50.6	75.8





#13

Acrolein

Concen: 166.498 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBS01

Tot Ion: 56 Resp: 54340

Ion Ratio Lower Upper

56 100

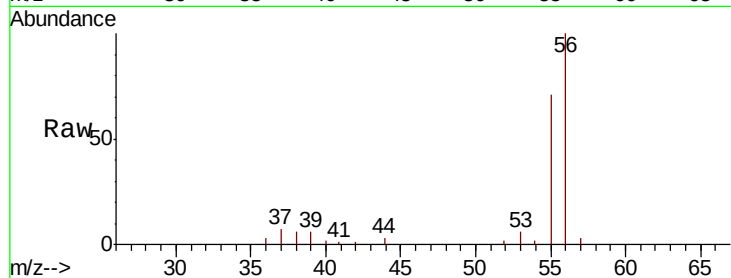
55 73.1 56.9 85.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

25000

20000

15000

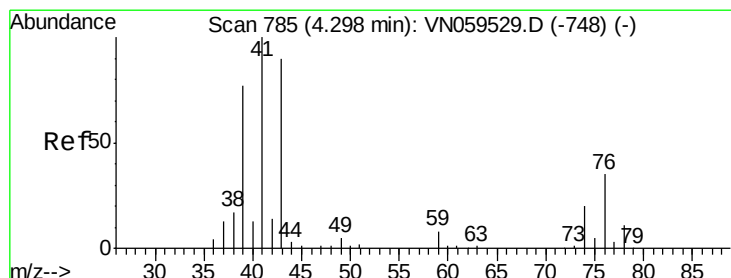
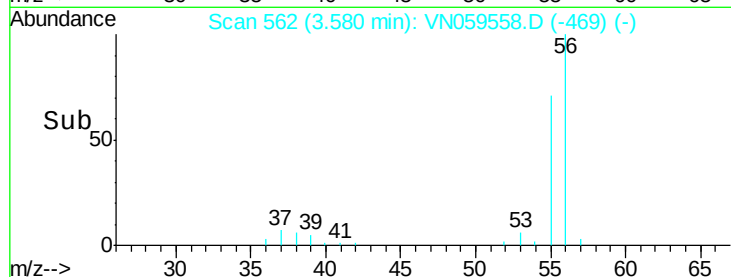
10000

5000

0

3.50 3.55 3.60 3.65

Time-->



#14

Allyl chloride

Concen: 19.035 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

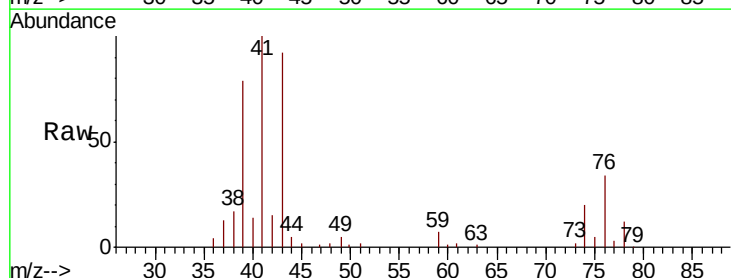
Tgt Ion: 41 Resp: 110544

Ion Ratio Lower Upper

41 100

39 72.9 56.7 85.1

76 31.1 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

40000

30000

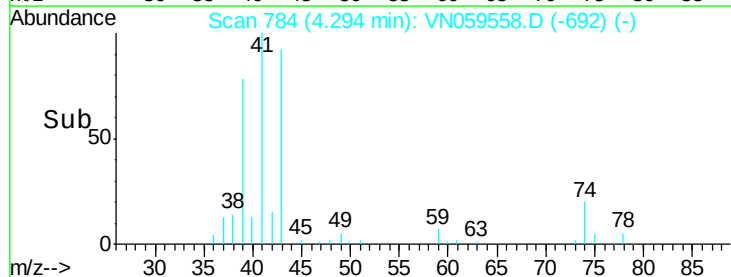
20000

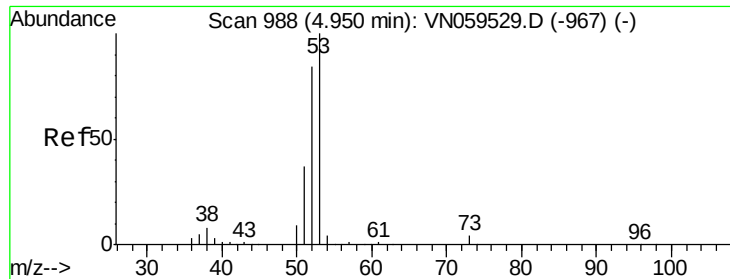
10000

0

4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 99.794 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

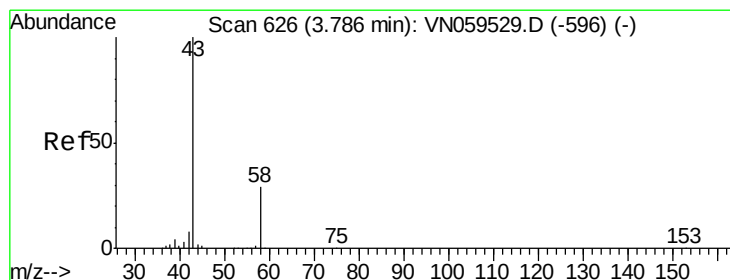
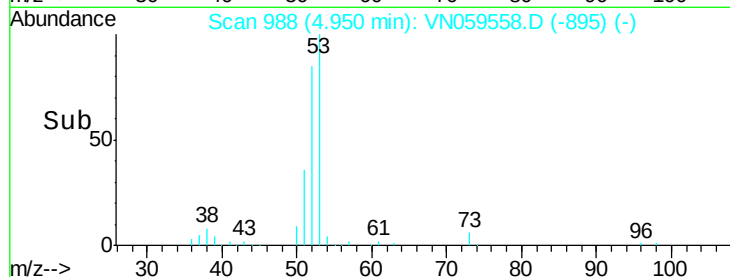
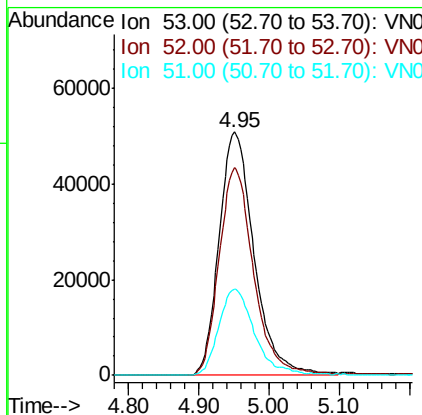
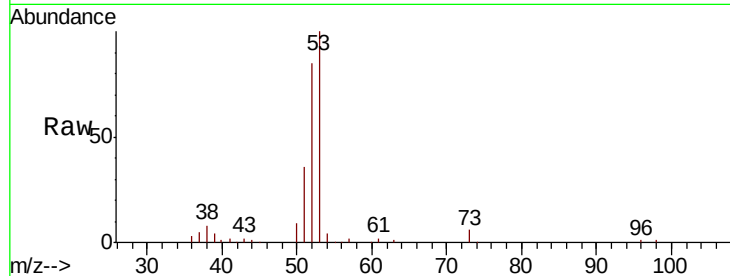
ClientSampleId :

VN1211MBS01

Tot Ion:	53	Resp:	176523
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.6	99.8
51	36.1	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 88.269 ug/l

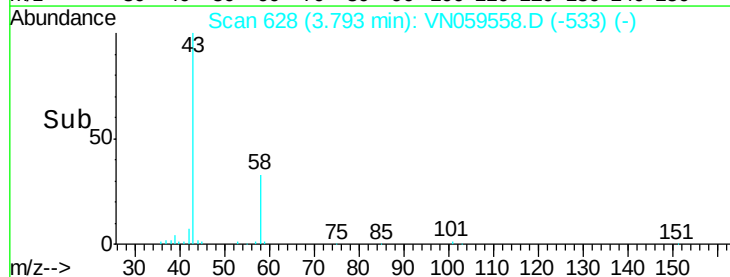
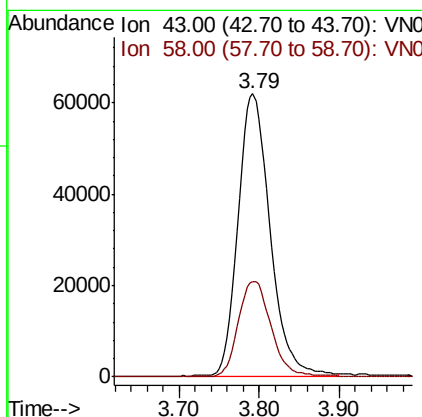
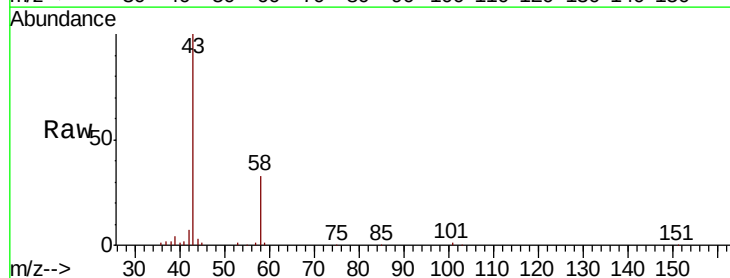
RT: 3.79 min Scan# 628

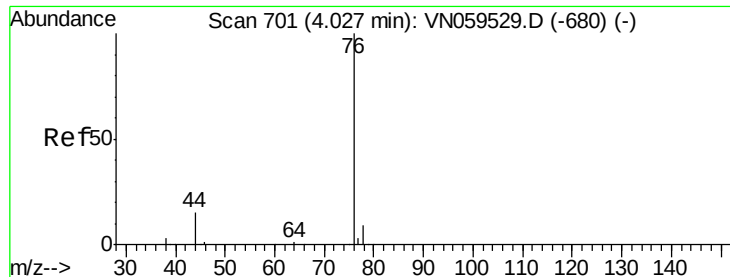
Delta R.T. 0.01 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Tgt Ion:	43	Resp:	167162
Ion	Ratio	Lower	Upper
43	100		
58	33.6	23.0	34.4





#17

Carbon Disulfide

Concen: 23.427 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBS01

Tot Ion: 76 Resp: 226932

Ion Ratio Lower Upper

76 100

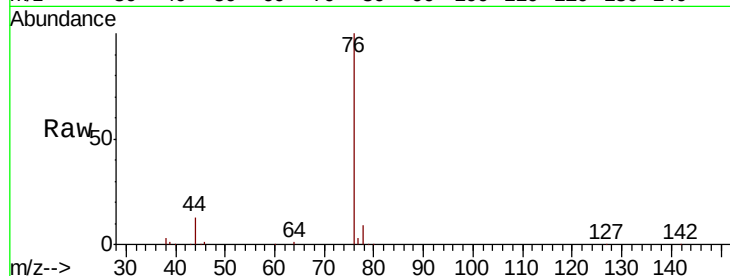
78 8.9 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

80000

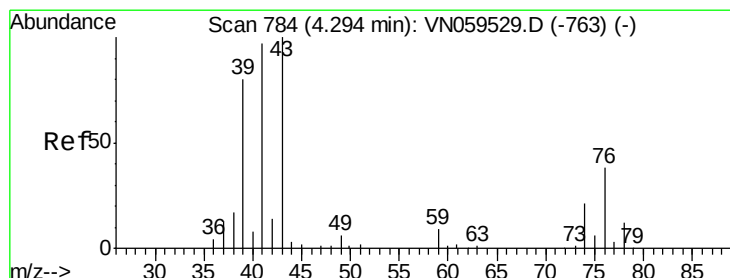
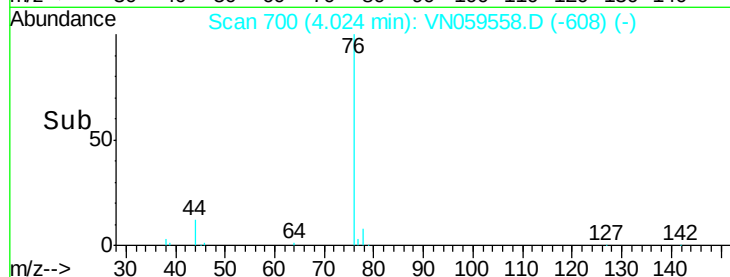
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.396 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059558.D

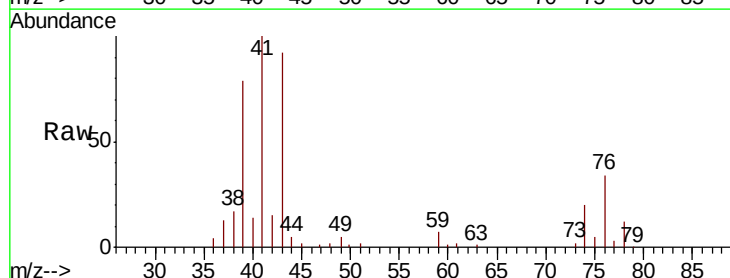
Acq: 11 Dec 2019 13:43

Tgt Ion: 43 Resp: 96436

Ion Ratio Lower Upper

43 100

74 21.7 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

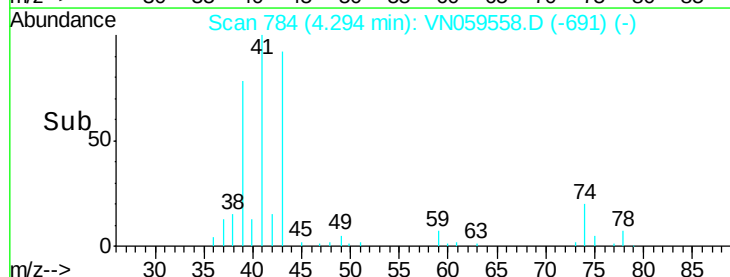
30000

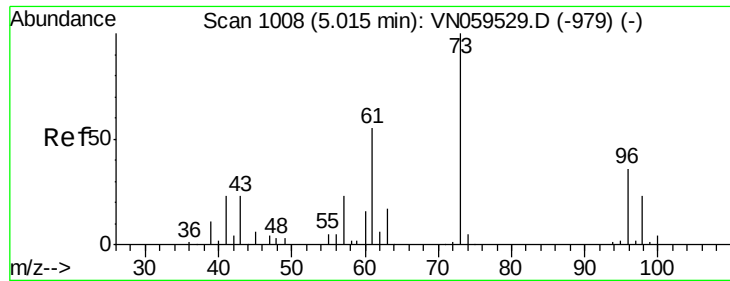
20000

10000

0

Time-->





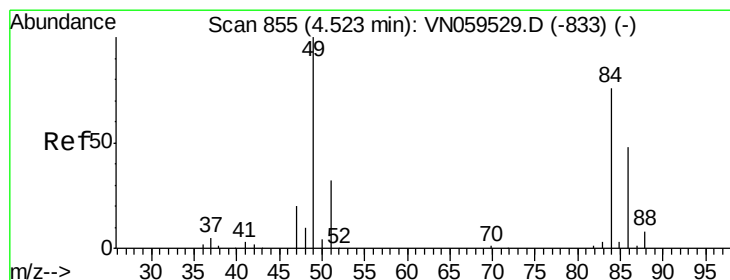
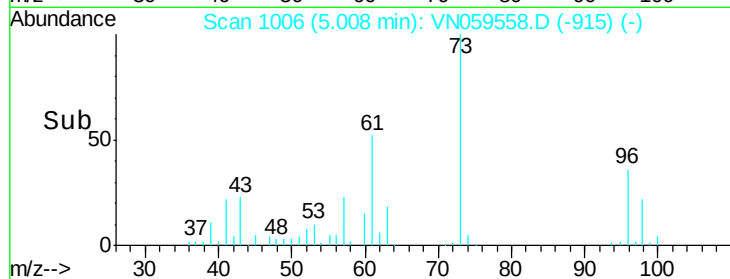
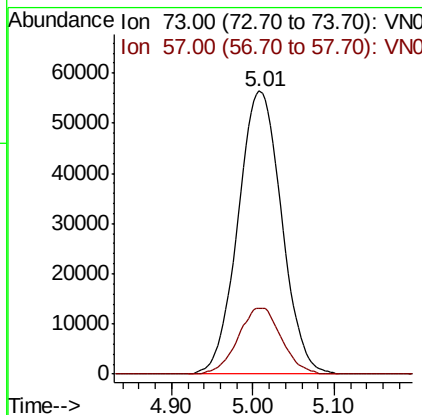
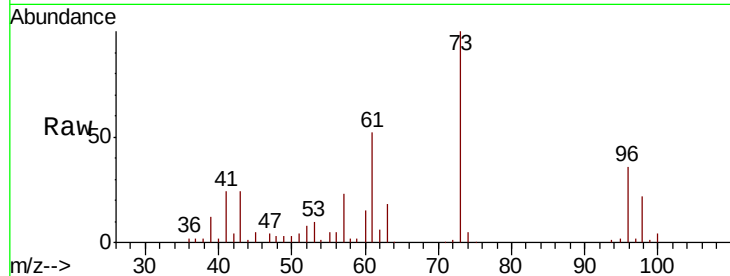
#19
Methyl tert-butyl Ether
Concen: 20.823 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion: 73 Resp: 208967
Ion Ratio Lower Upper
73 100
57 23.3 18.3 27.5

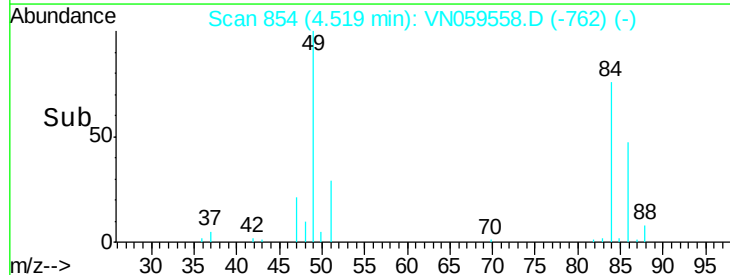
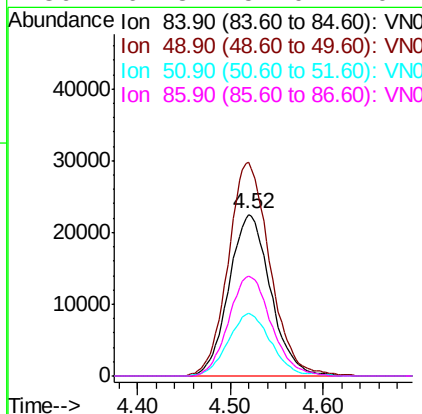
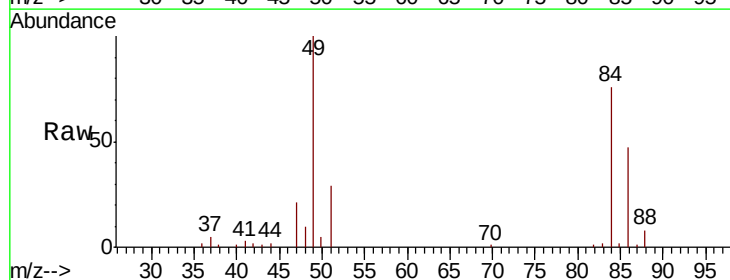
Manual Integrations
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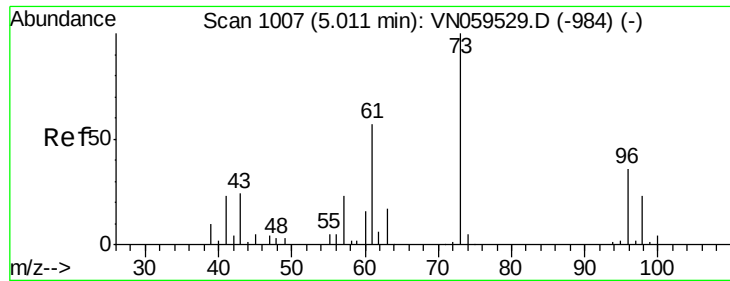
apatel
12/12/2019 9:25:32 AM



#20
Methylene Chloride
Concen: 20.387 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion: 84 Resp: 70129
Ion Ratio Lower Upper
84 100
49 131.7 105.8 158.8
51 39.0 33.7 50.5
86 61.8 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 19.467 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

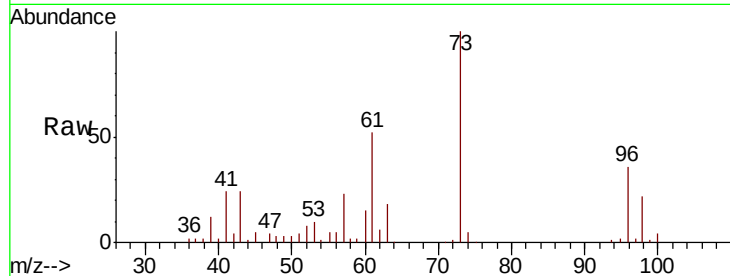
ClientSampleId :

VN1211MBS01

Tot Ion:	96	Resp:	63077
Ion	Ratio	Lower	Upper
96	100		
61	146.4	124.8	187.2
98	62.8	51.0	76.4

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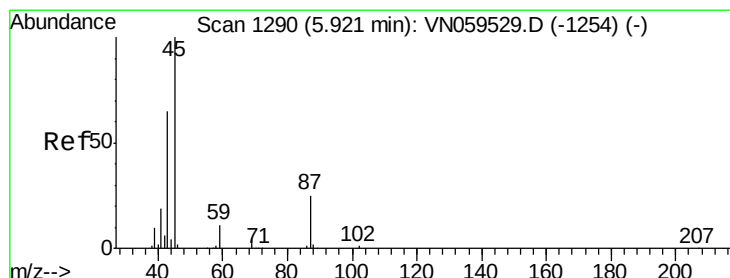
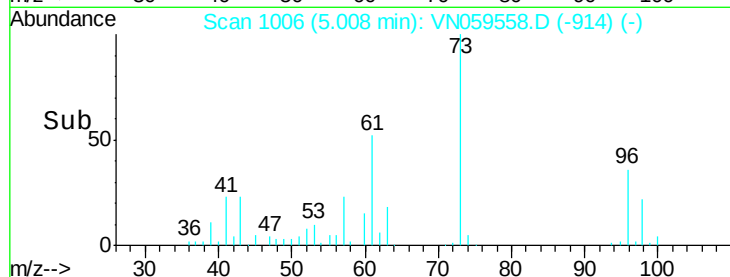
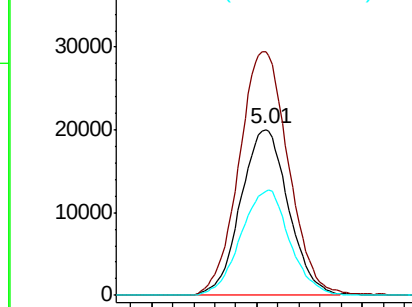


Abundance

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: 20.828 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Tgt Ion:	45	Resp:	230274
Ion	Ratio	Lower	Upper
45	100		
43	72.1	52.8	79.2
87	26.2	20.2	30.4
59	11.2	9.1	13.7

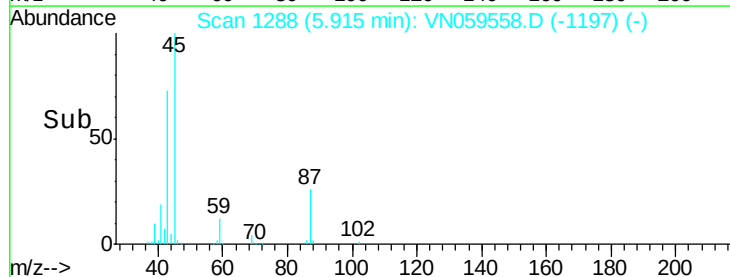
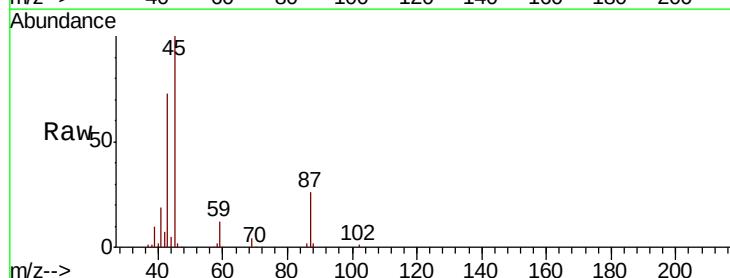
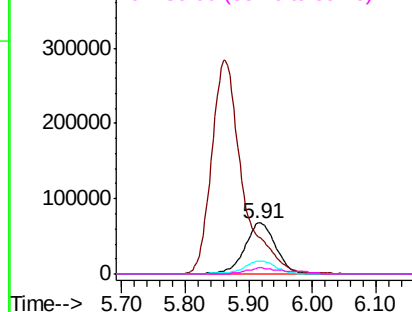
Abundance

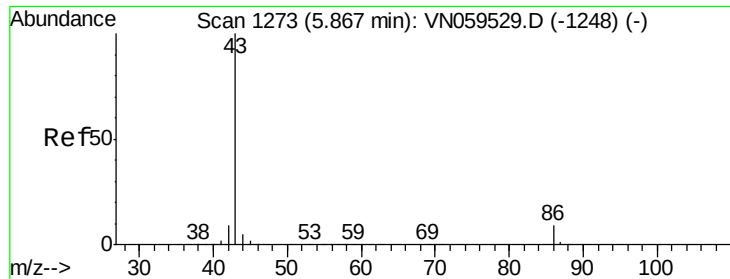
Ion 45.00 (44.70 to 45.70): VN0

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: 103.624 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBS01

Tot Ion: 43 Resp: 955667

Ion Ratio Lower Upper

43 100

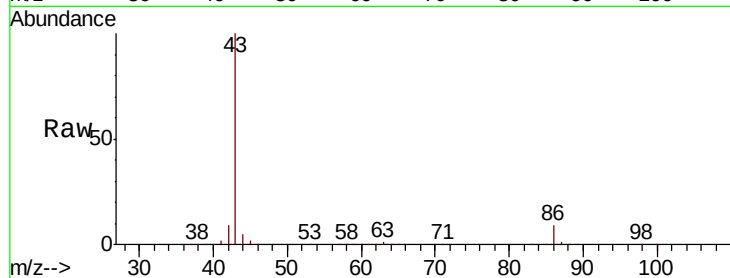
86 9.1 7.4 11.2

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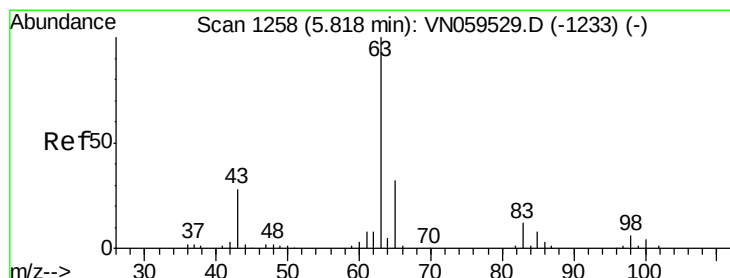
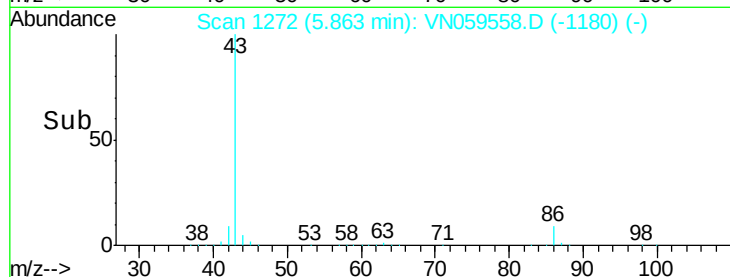
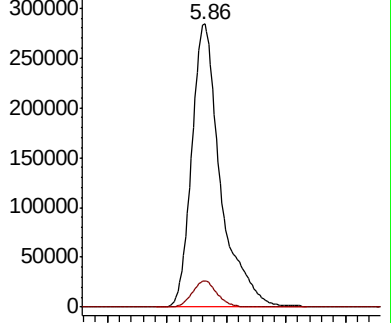
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.695 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

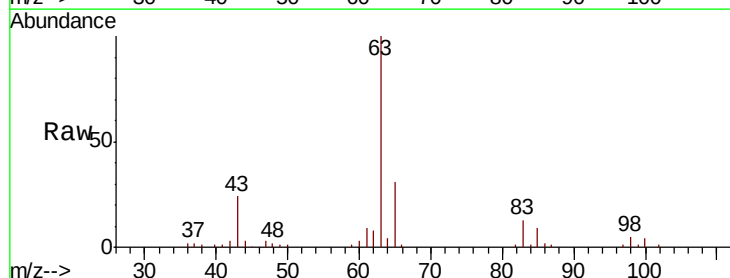
Tgt Ion: 63 Resp: 129903

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.0

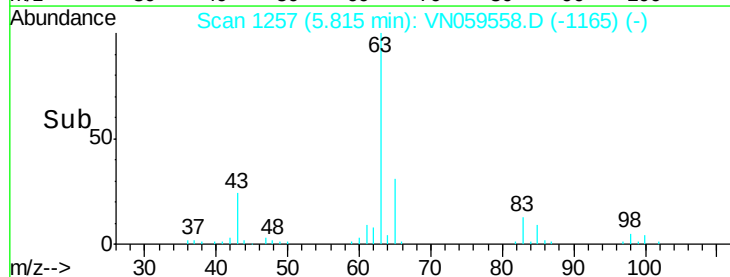
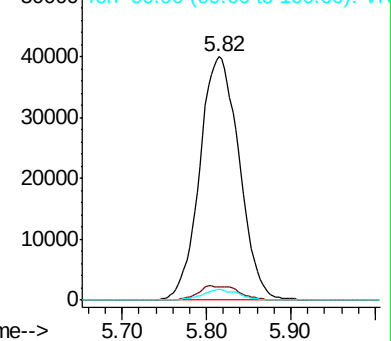
100 4.2 1.8 5.3

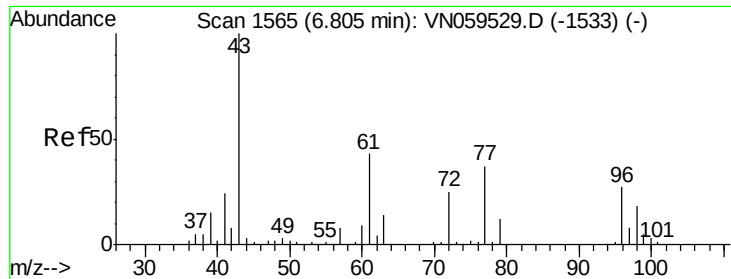


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 95.921 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBS01

Tot Ion: 43 Resp: 244511

Ion Ratio Lower Upper

43 100

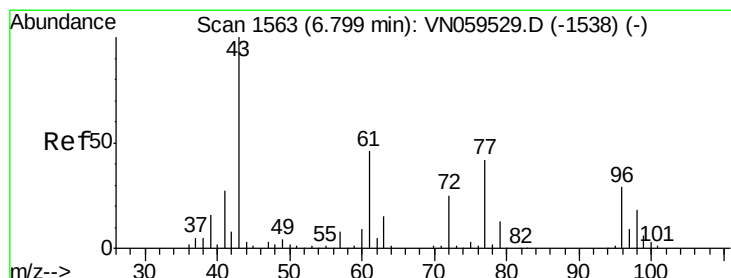
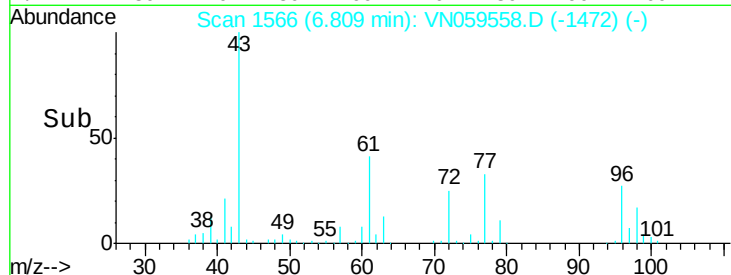
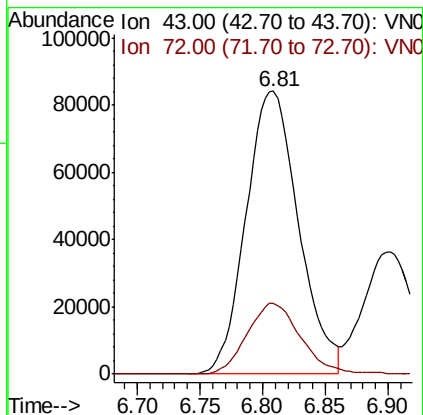
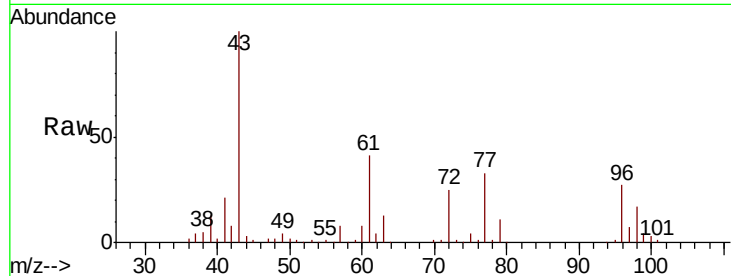
72 25.1 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 19.954 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059558.D

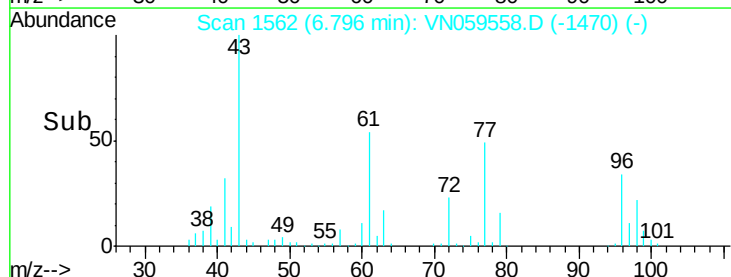
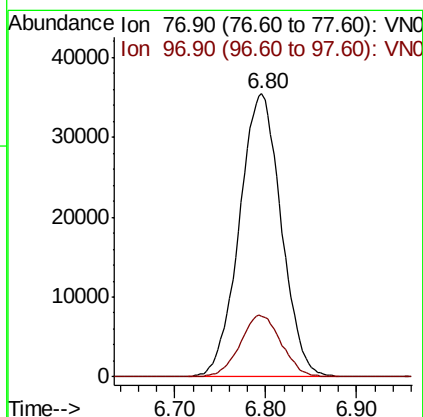
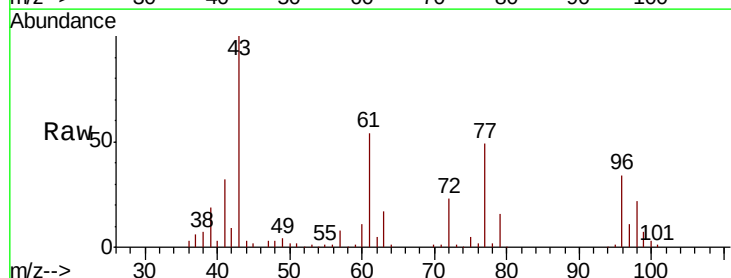
Acq: 11 Dec 2019 13:43

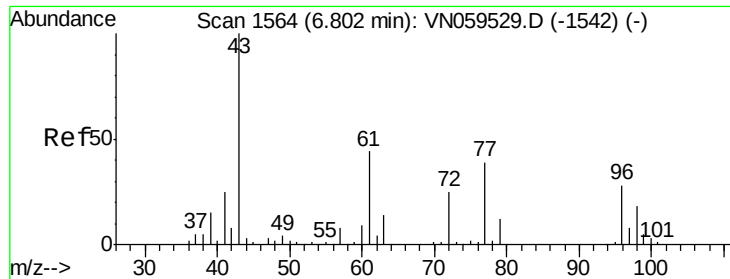
Tgt Ion: 77 Resp: 113154

Ion Ratio Lower Upper

77 100

97 21.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 20.094 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

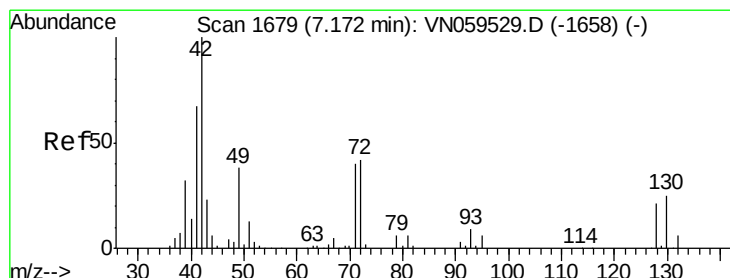
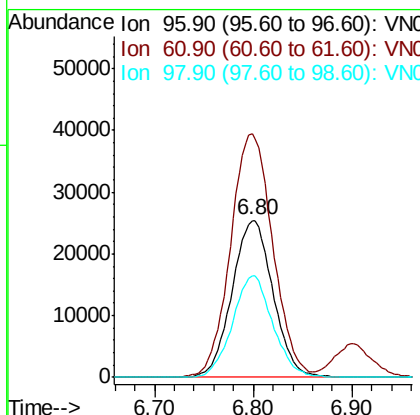
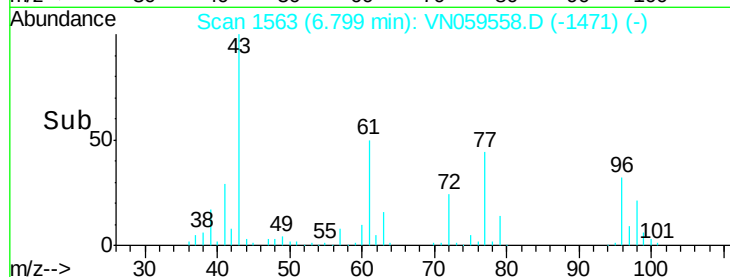
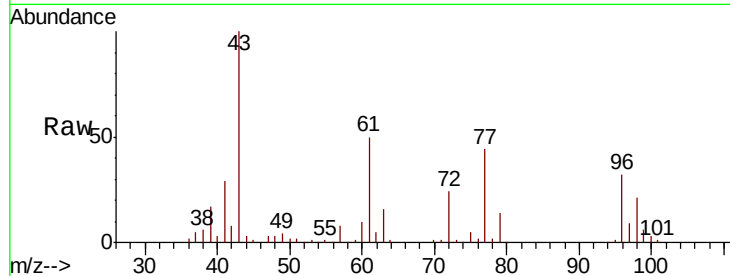
ClientSampleId :

VN1211MBS01

Tot Ion:	96	Resp:	73233
Ion	Ratio	Lower	Upper
96	100		
61	160.0	0.0	320.0
98	63.4	0.0	128.6

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#28

Bromochloromethane

Concen: 24.654 ug/l

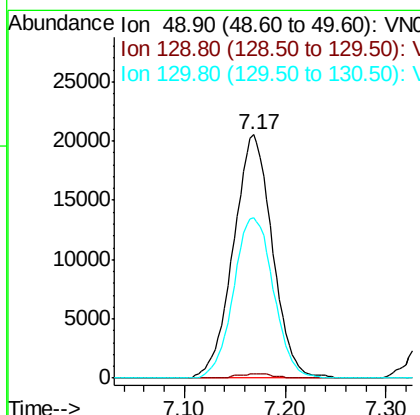
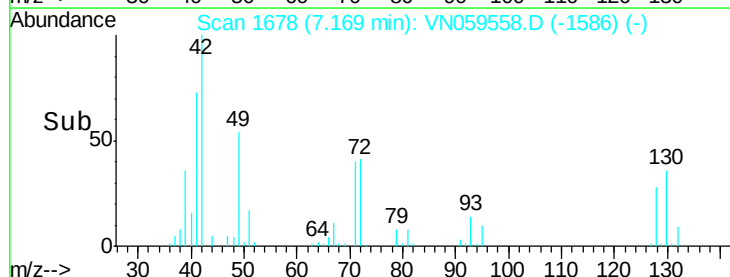
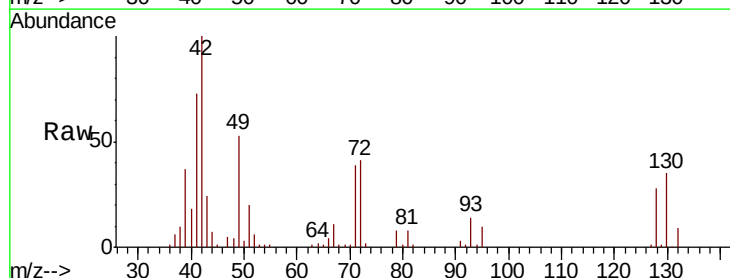
RT: 7.17 min Scan# 1678

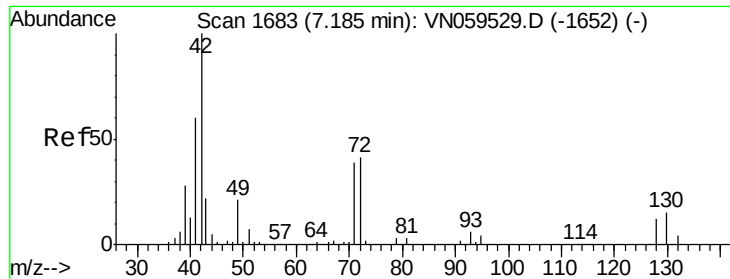
Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Tgt Ion:	49	Resp:	55060
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	67.4	54.2	81.2





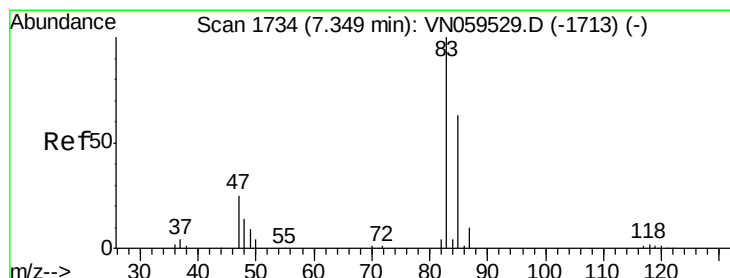
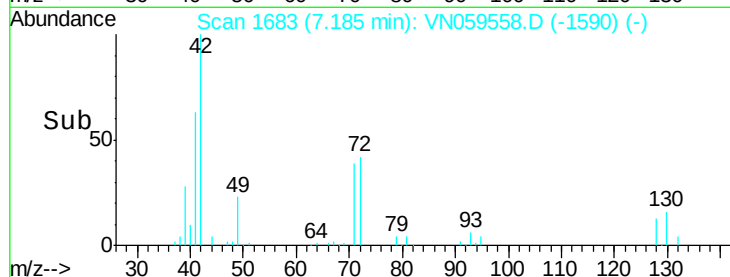
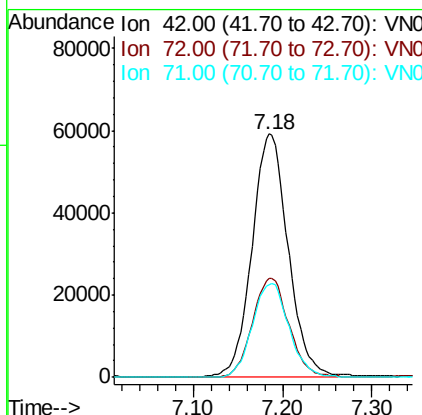
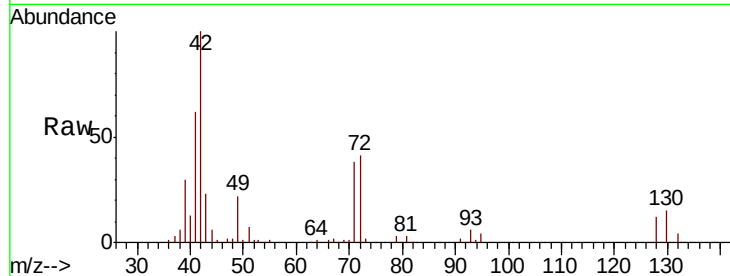
#29
Tetrahydrofuran
Concen: 94.488 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.7	49.1
71	39.0	31.4	47.2

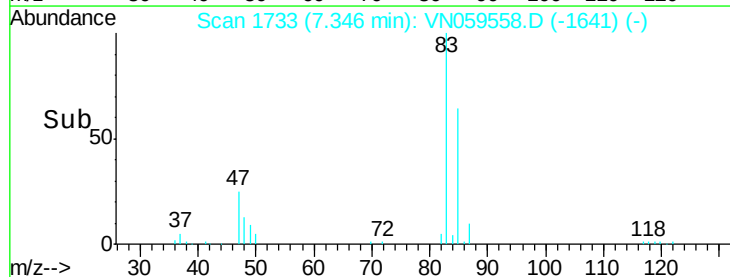
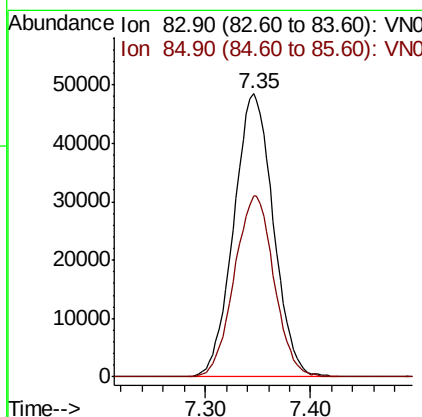
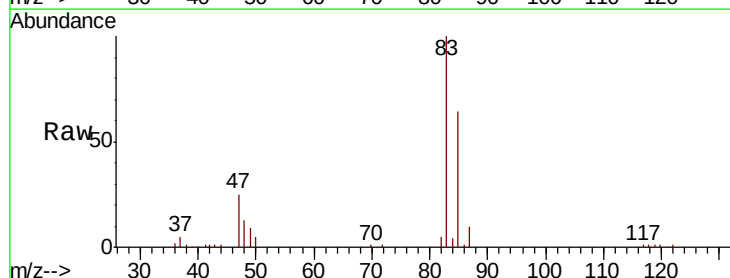
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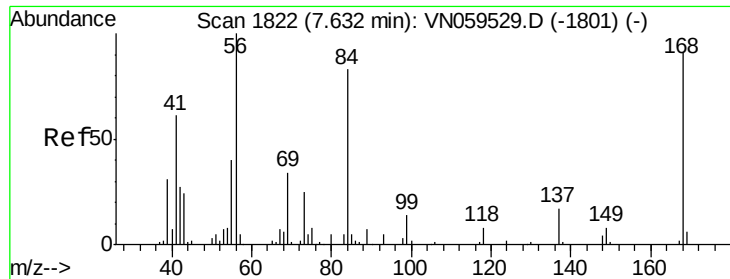
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#30
Chloroform
Concen: 20.377 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.6	75.8





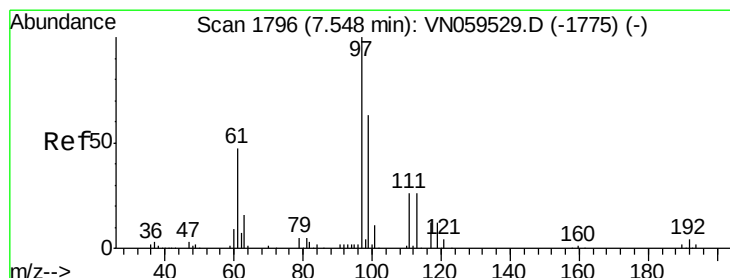
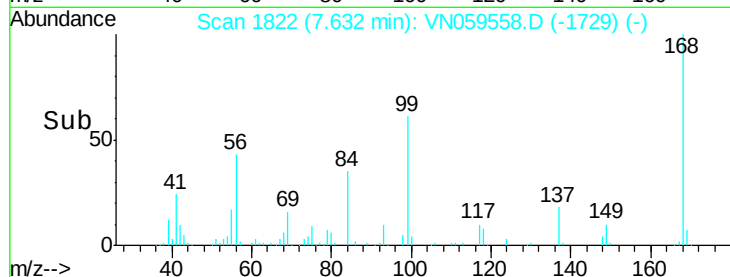
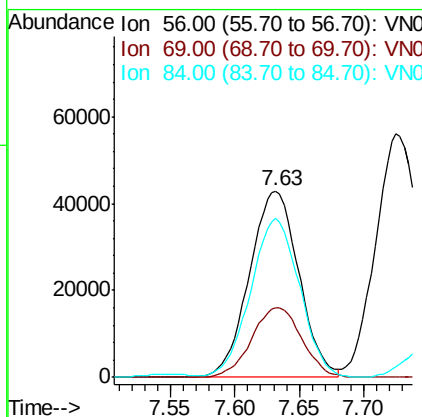
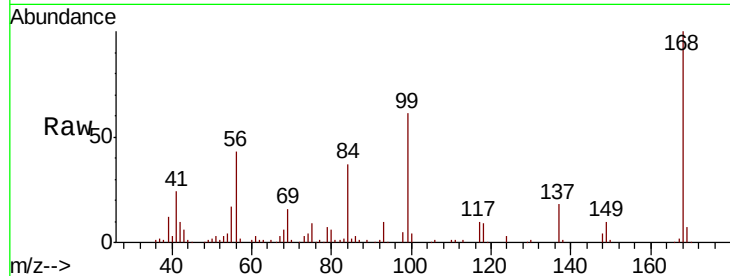
#31
Cyclohexane
Concen: 18.729 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.4	26.9	40.3
84	84.2	66.5	99.7

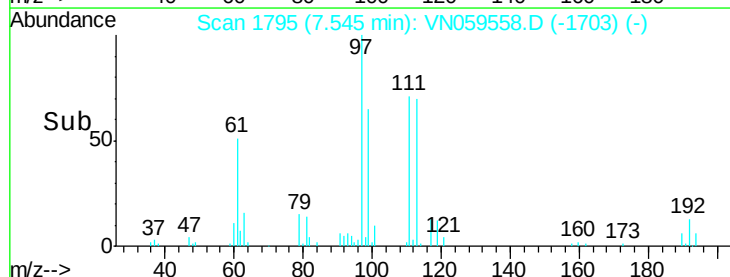
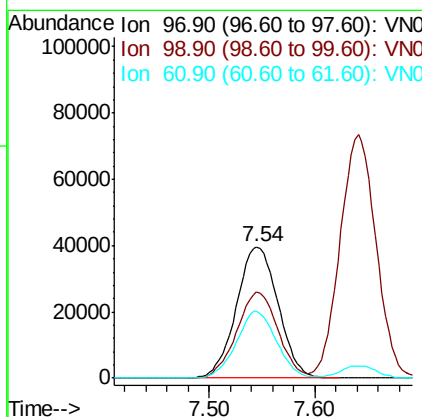
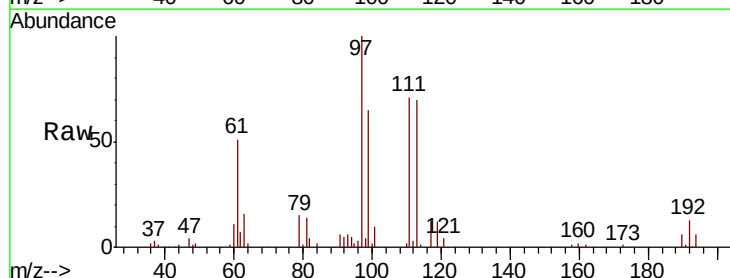
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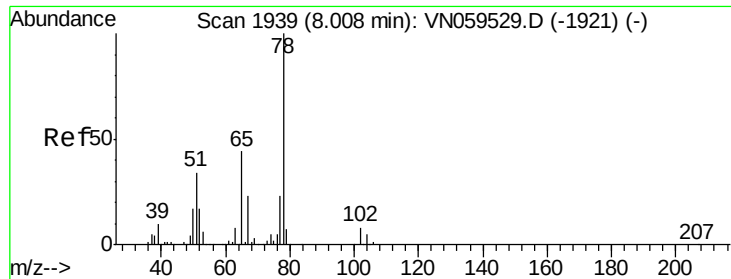
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#32
1,1,1-Trichloroethane
Concen: 19.820 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	48.9	38.5	57.7





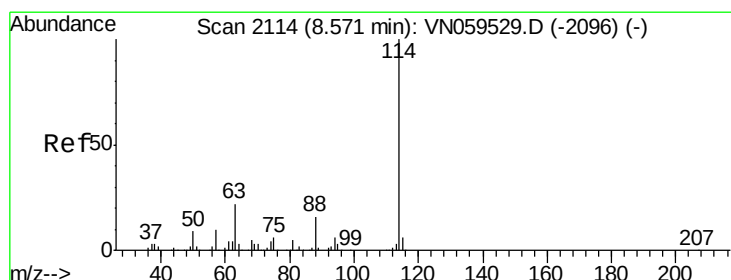
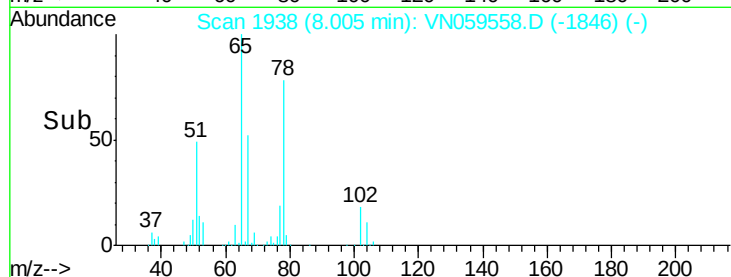
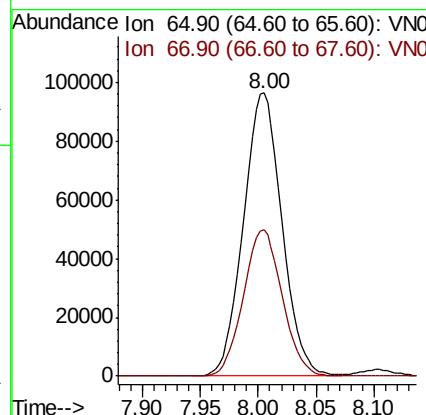
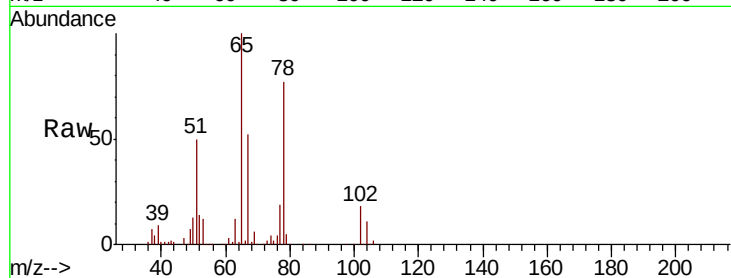
#33
 1,2-Dichloroethane-d4
 Concen: 54.975 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059558.D
 Acq: 11 Dec 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	222865		
67	52.1	0.0	103.6	

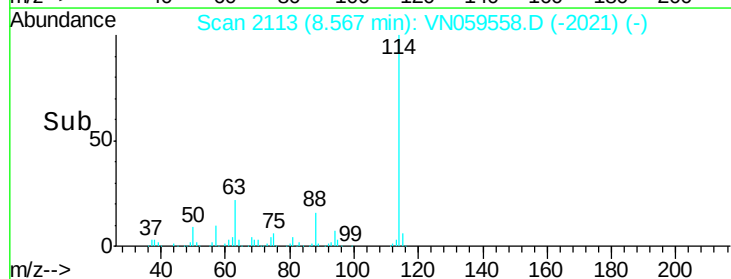
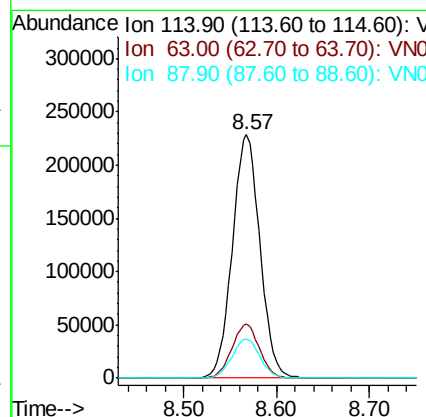
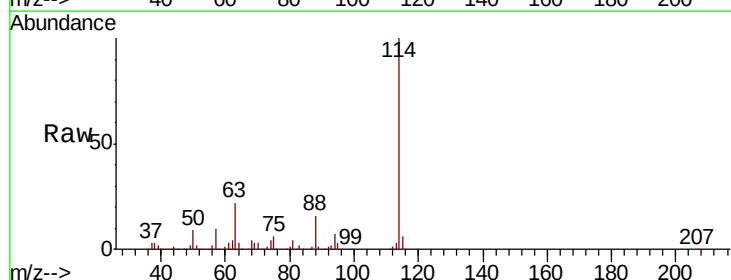
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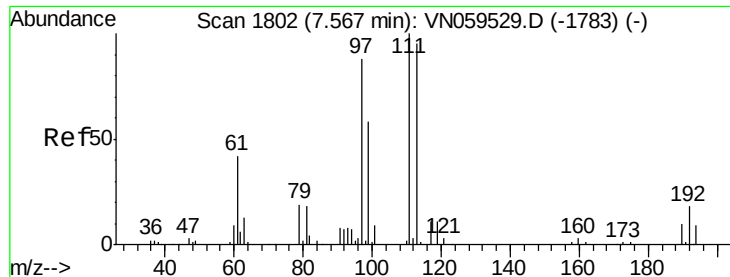
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059558.D
 Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	470698		
63	22.4	0.0	45.0	
88	16.2	0.0	32.2	





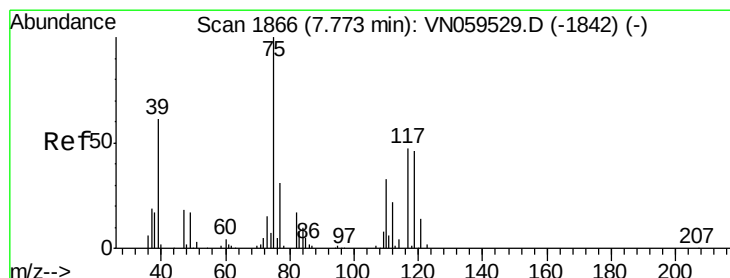
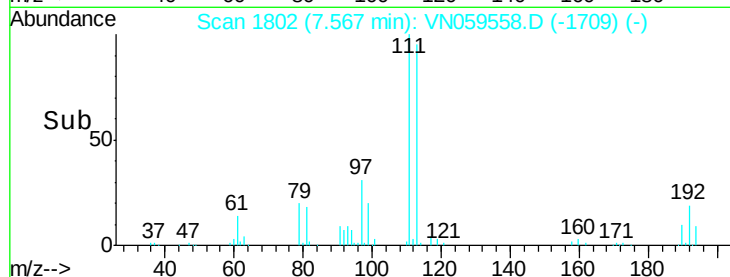
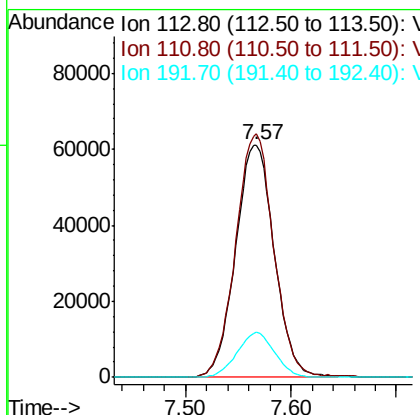
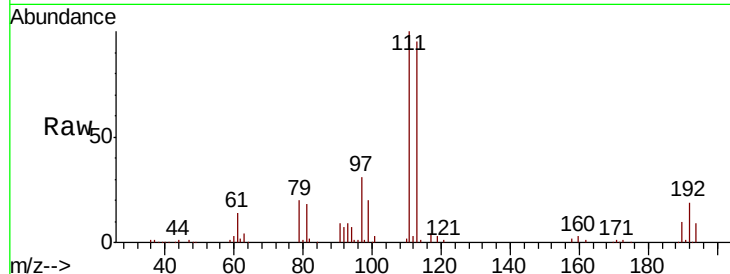
#35
 Dibromofluoromethane
 Concen: 55.386 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059558.D
 Acq: 11 Dec 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	155571		
111	102.9	82.2	123.4	
192	18.8	14.8	22.2	

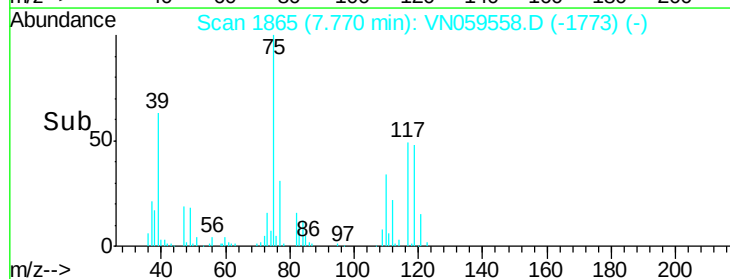
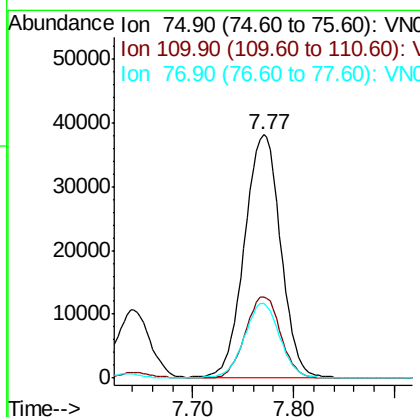
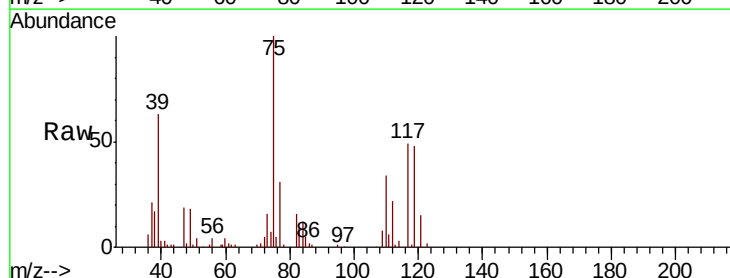
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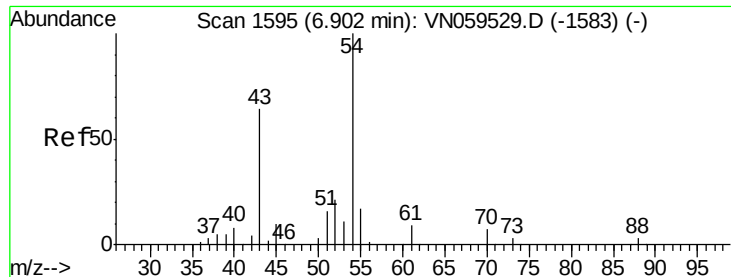
apatel
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#36
 1,1-Dichloropropene
 Concen: 19.685 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059558.D
 Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	95063		
110	32.4	16.7	50.0	
77	30.1	24.6	37.0	





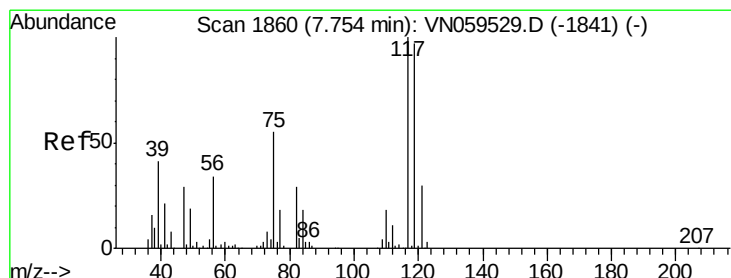
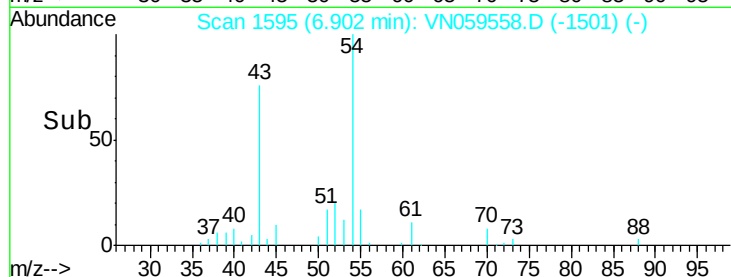
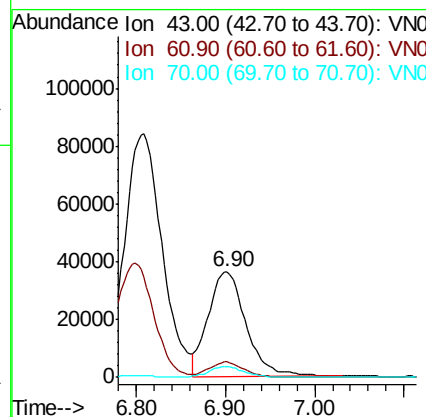
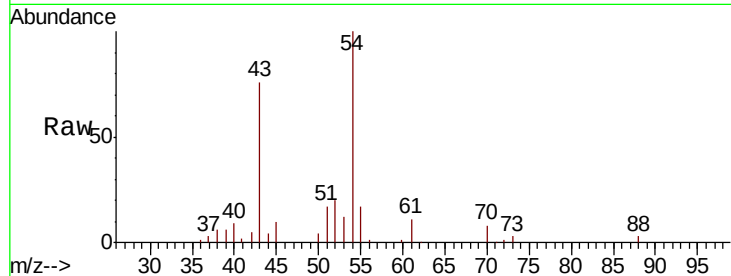
#37
Ethyl Acetate
Concen: 19.875 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.6
70	9.5	7.7	11.5

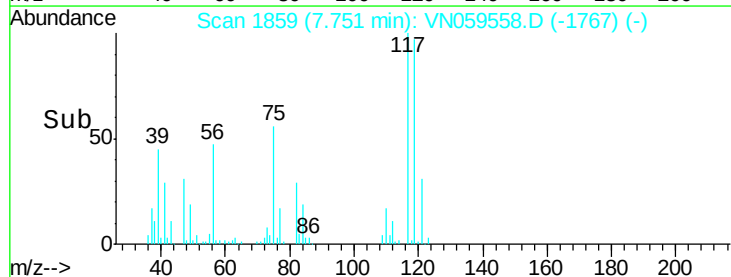
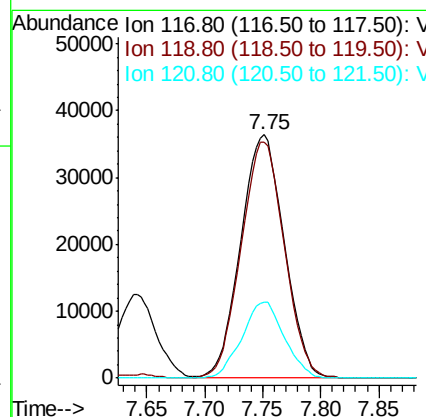
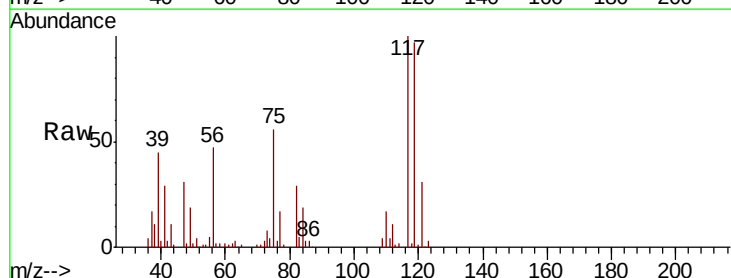
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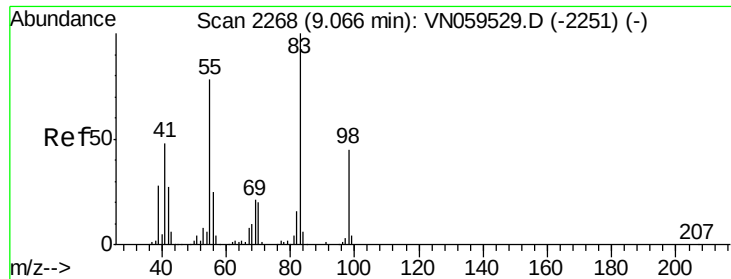
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#38
Carbon Tetrachloride
Concen: 19.963 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.0	115.4
121	31.4	24.1	36.1





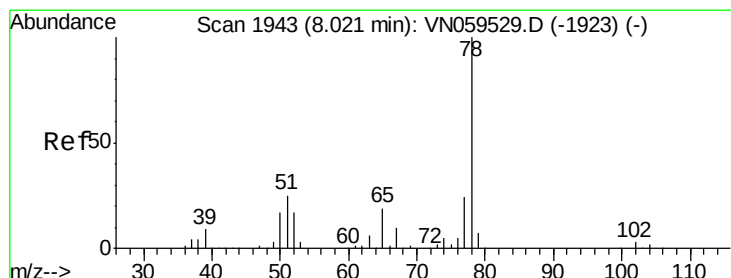
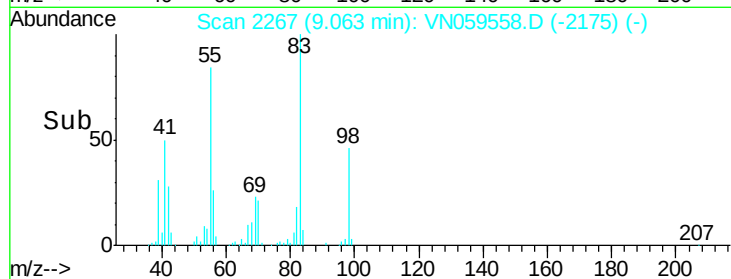
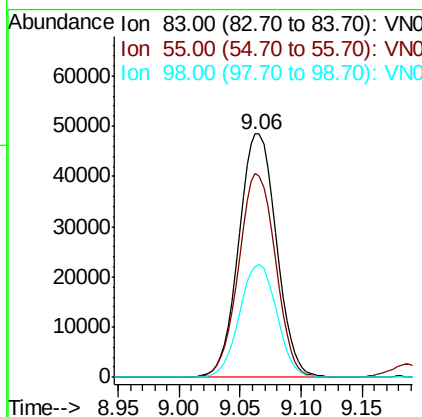
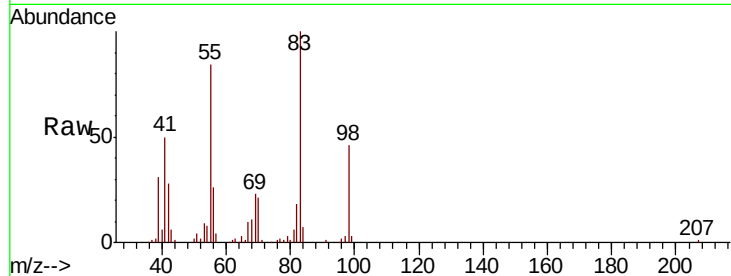
#39
Methylvlcyclohexane
Concen: 19.129 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	83.9	62.7	94.1	
98	45.6	35.7	53.5	

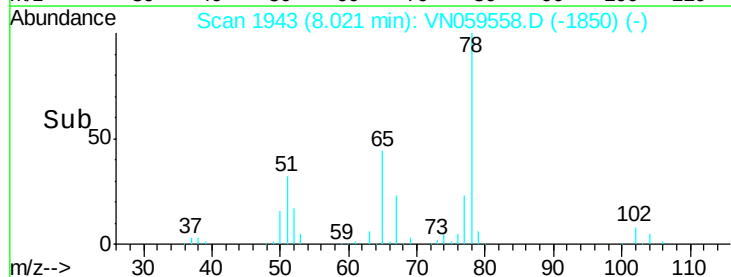
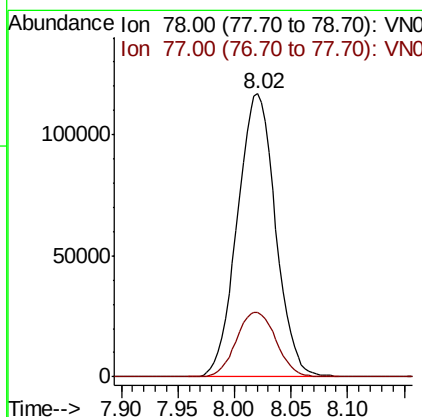
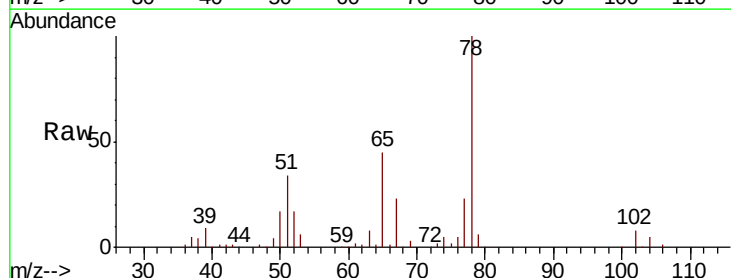
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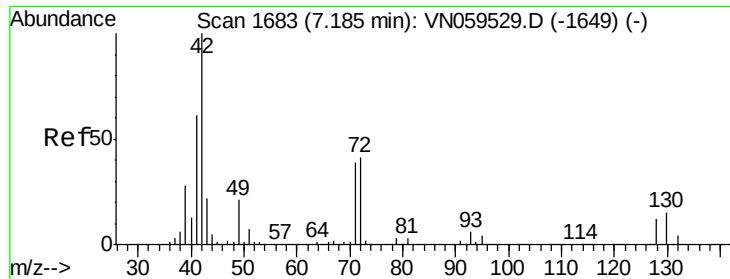
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#40
Benzene
Concen: 19.927 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.8	18.8	28.2	





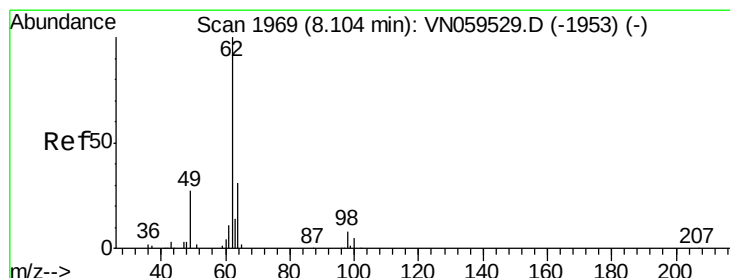
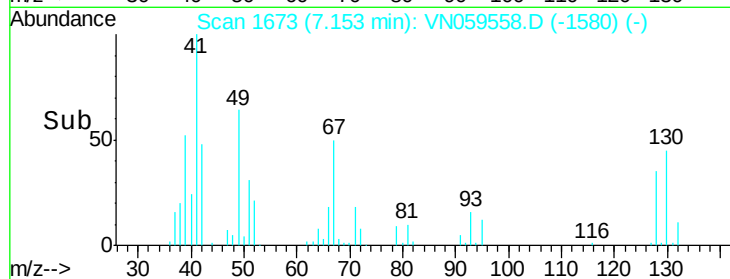
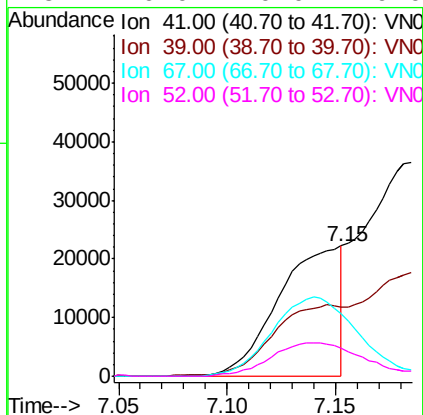
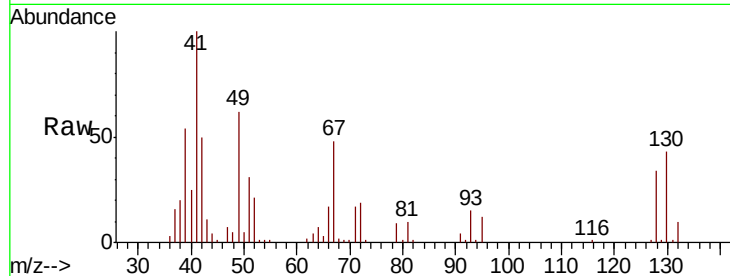
#41
Methacrylonitrile
Concen: 19.181 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion	41	Resp	45015
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

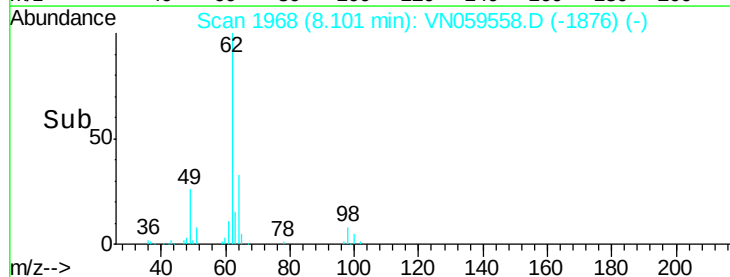
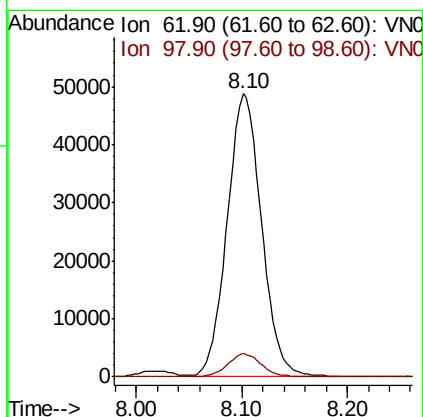
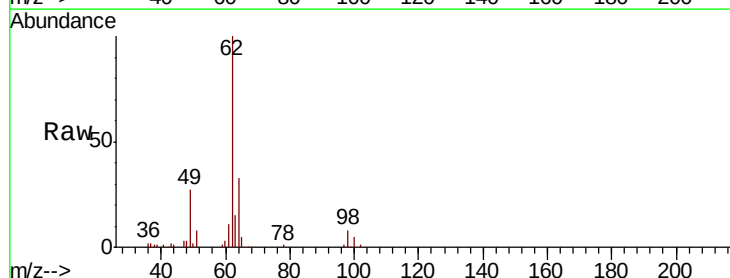
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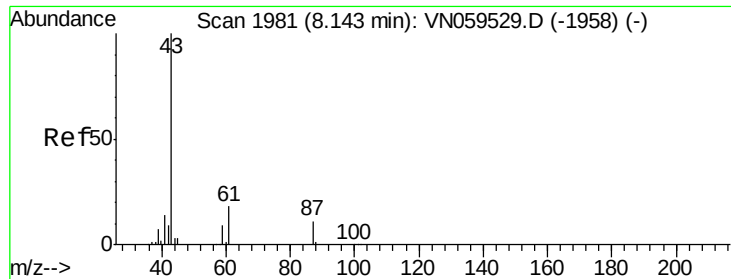
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#42
1,2-Dichloroethane
Concen: 21.474 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion	62	Resp	110378
Ion Ratio	Lower	Upper	
62	100		
98	7.8	0.0	15.4





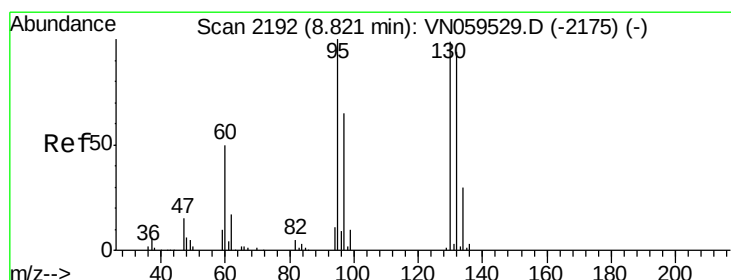
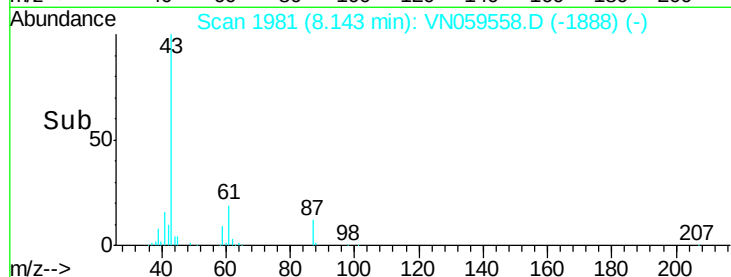
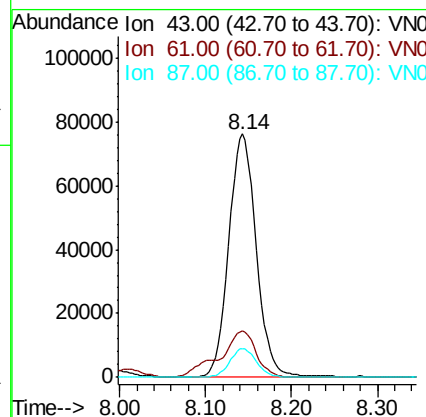
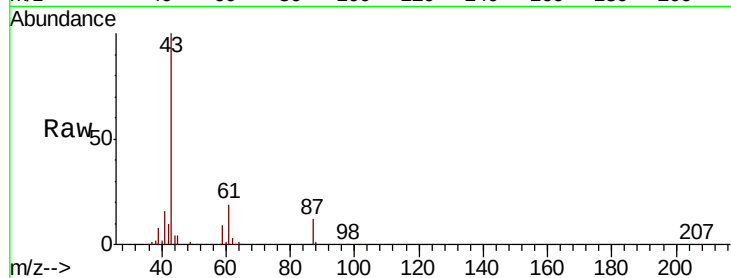
#43
Isopropyl Acetate
Concen: 20.342 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.3	19.8	29.6
87	11.5	9.4	14.2

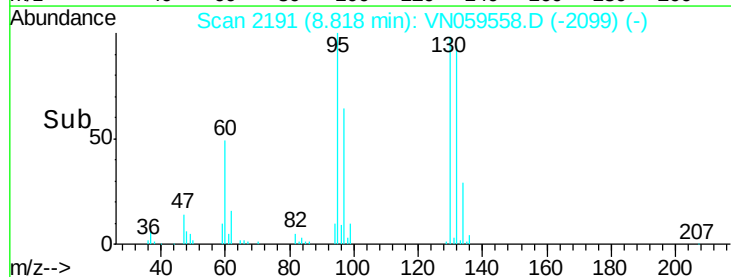
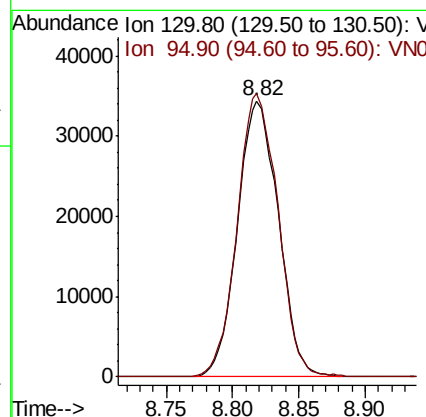
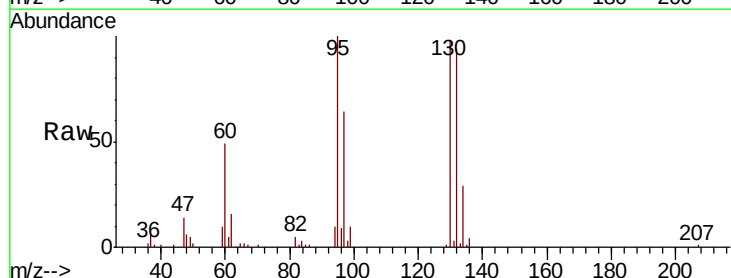
Manual Integrations
APPROVED

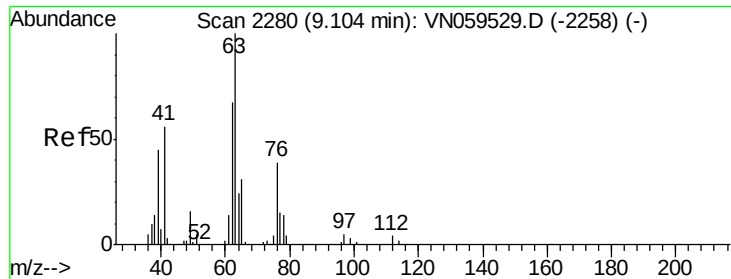
apatel
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#44
Trichloroethene
Concen: 21.166 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	202.0





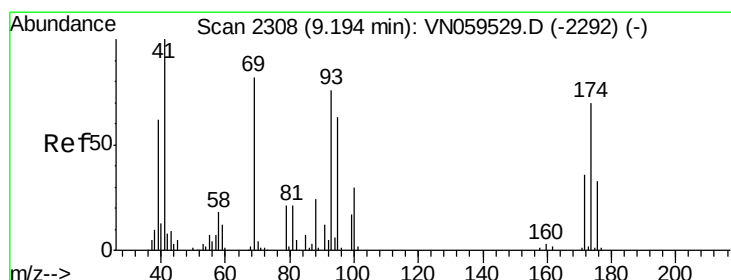
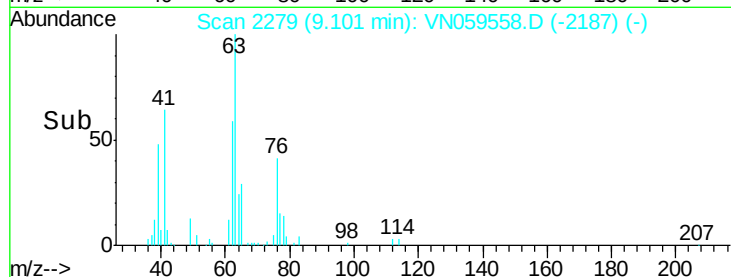
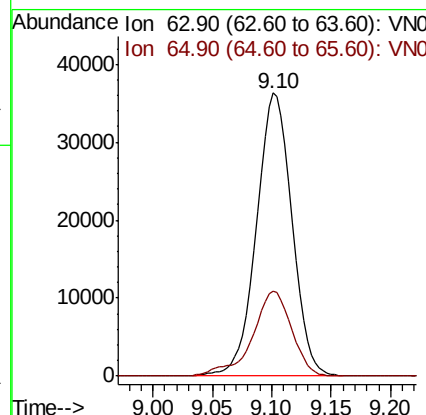
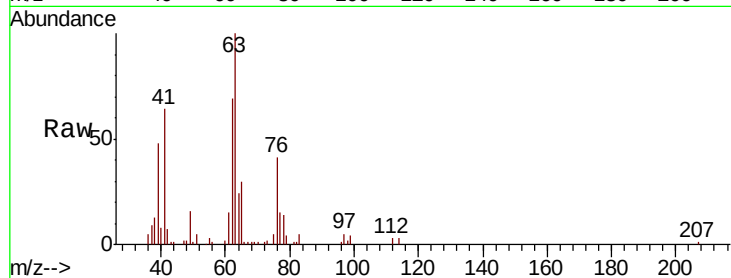
#45
 1,2-Dichloropropane
 Concen: 20.497 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059558.D
 Acq: 11 Dec 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211MBS01

Tot Ion: 63 Resp: 74908
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.8 37.2

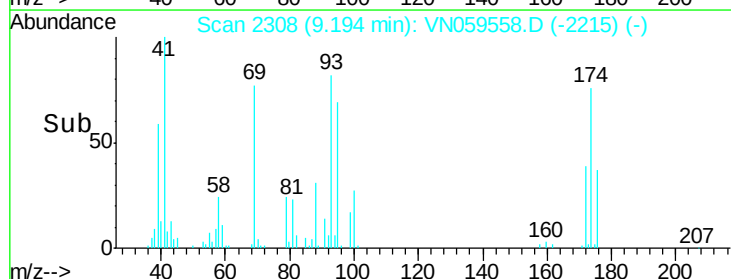
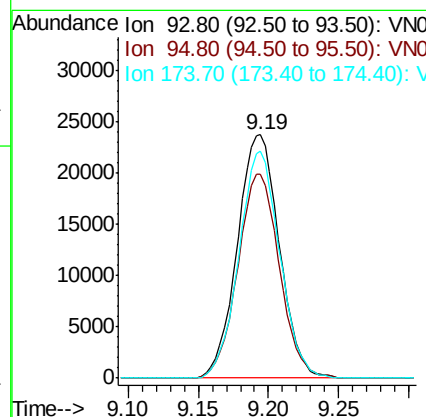
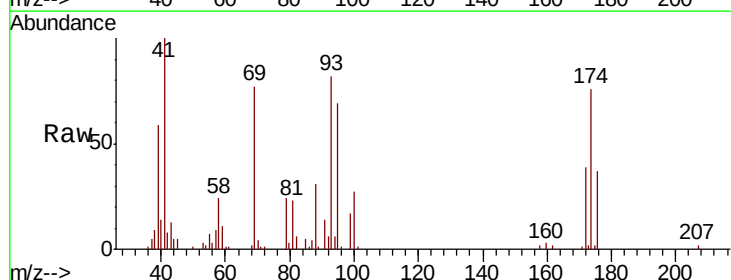
Manual Integrations
 APPROVED

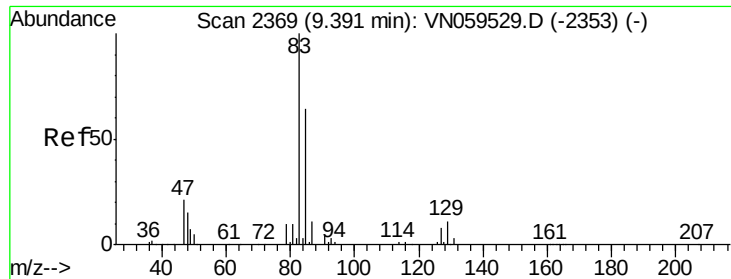
apatel
 12/12/2019 9:25:32 AM



#46
 Dibromomethane
 Concen: 20.427 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059558.D
 Acq: 11 Dec 2019 13:43

Tgt Ion: 93 Resp: 49336
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.0 100.6
 174 90.6 75.6 113.4





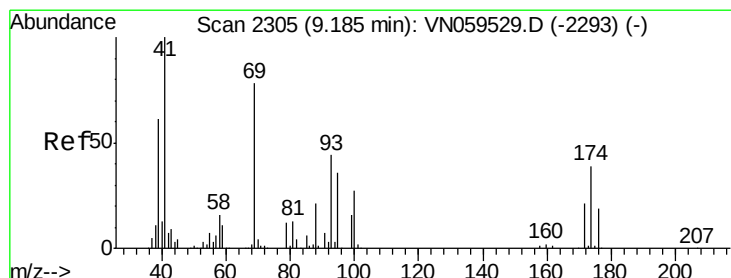
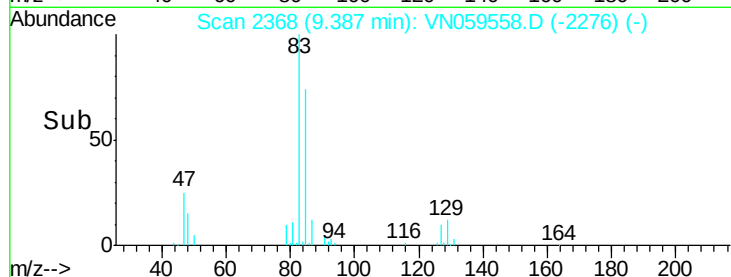
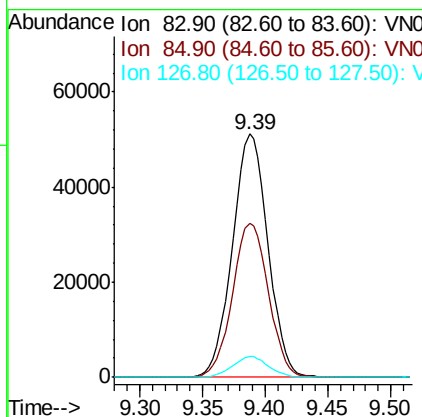
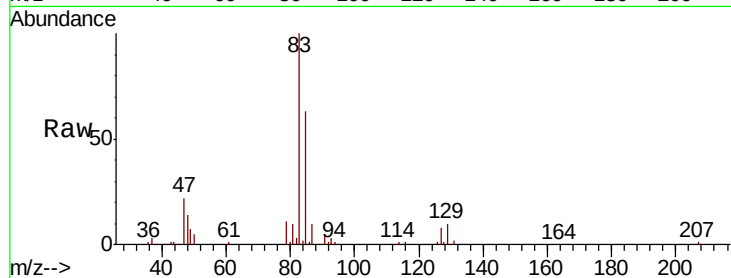
#47
Bromodichloromethane
Concen: 20.971 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	100664		
85	63.3		51.4	77.0
127	8.4		6.7	10.1

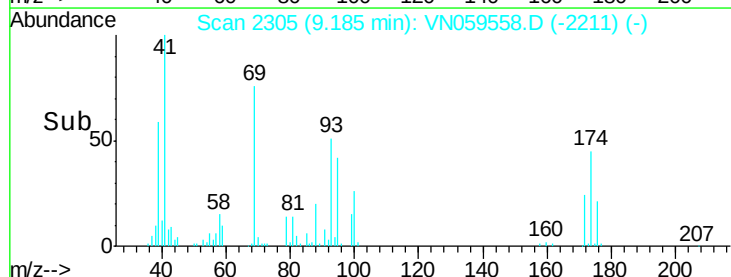
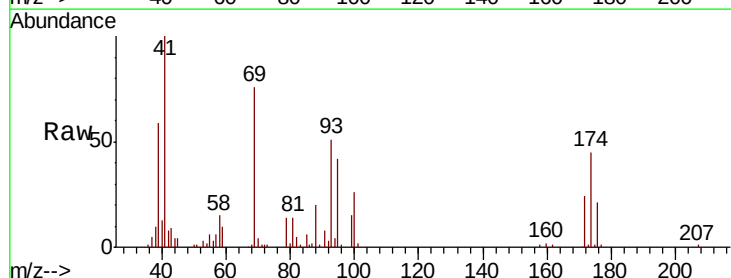
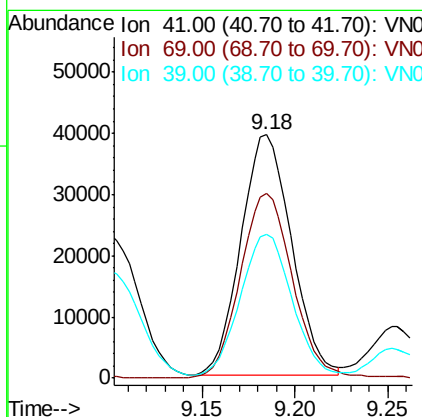
Manual Integrations
APPROVED

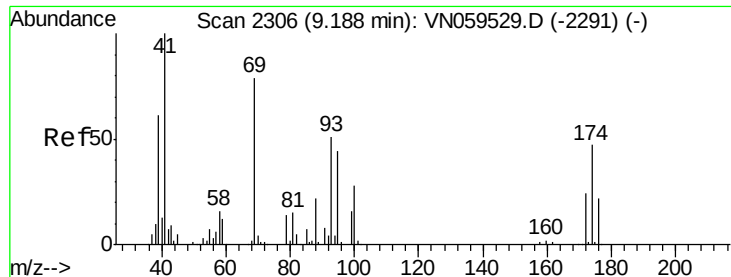
apatel
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#48
Methyl methacrylate
Concen: 20.548 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	74898		
69	78.9		64.0	96.0
39	61.1		50.0	75.0





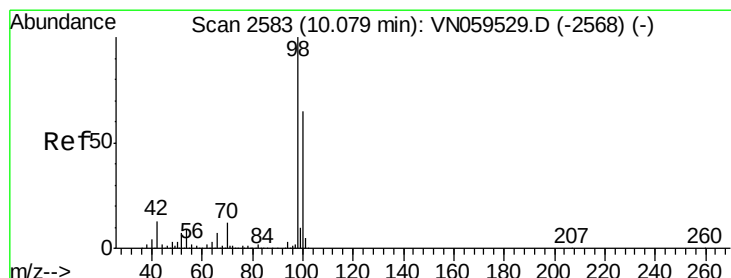
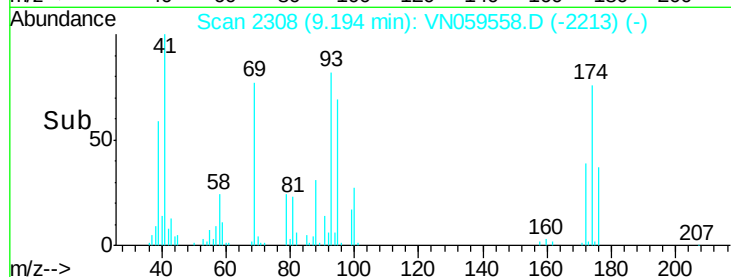
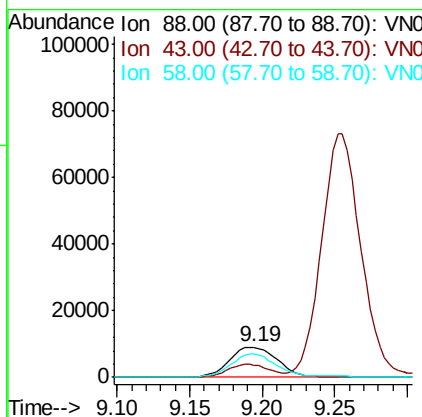
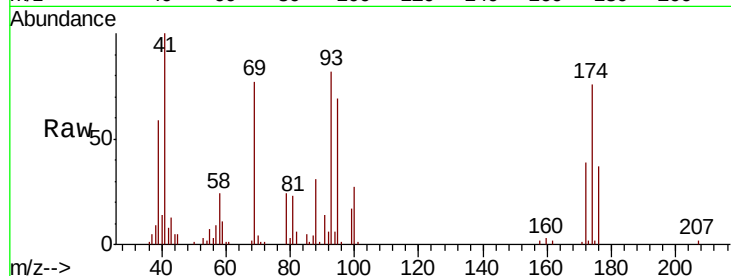
#49
1,4-Dioxane
Concen: 447.148 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	31.4	47.0
58	73.4	61.0	91.6

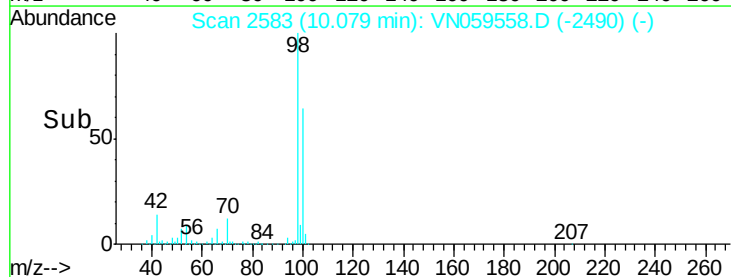
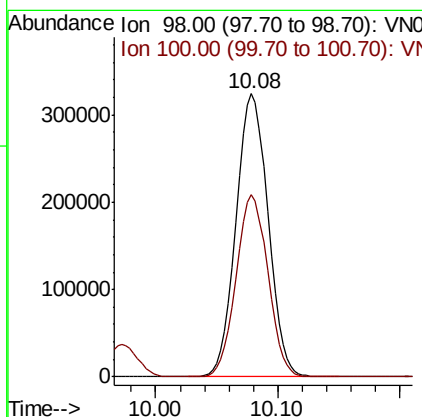
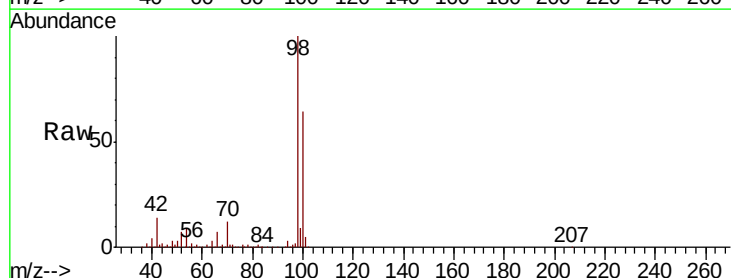
Manual Integrations
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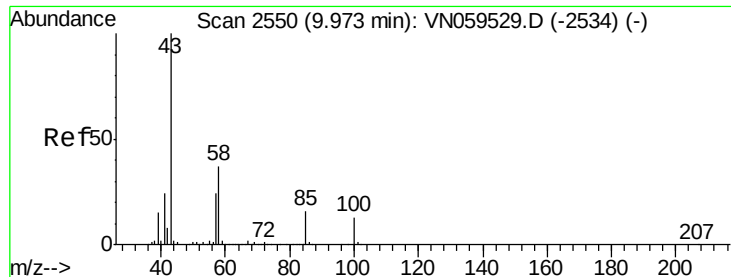
apatel
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#50
Toluene-d8
Concen: 51.449 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 96.122 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBS01

Tot Ion: 43 Resp: 511770

Ion Ratio Lower Upper

43 100

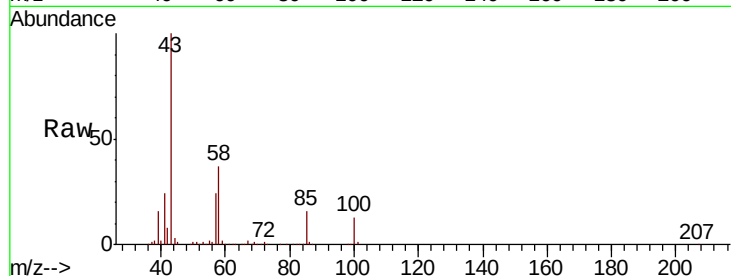
58 37.2 30.1 45.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

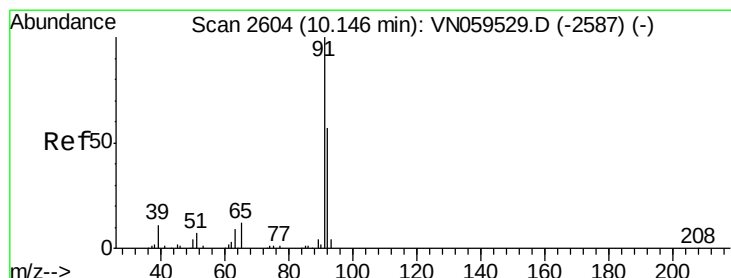
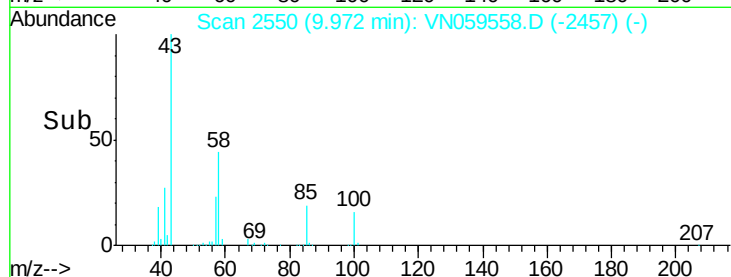
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.296 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059558.D

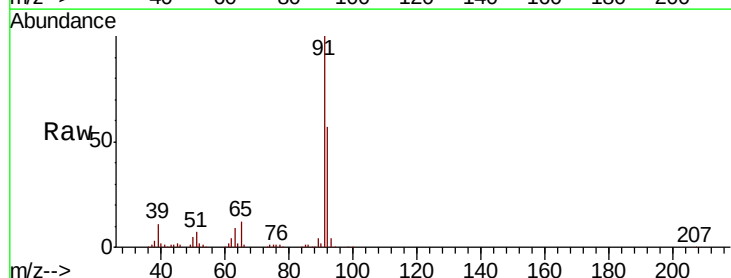
Acq: 11 Dec 2019 13:43

Tgt Ion: 92 Resp: 166825

Ion Ratio Lower Upper

92 100

91 175.4 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.14

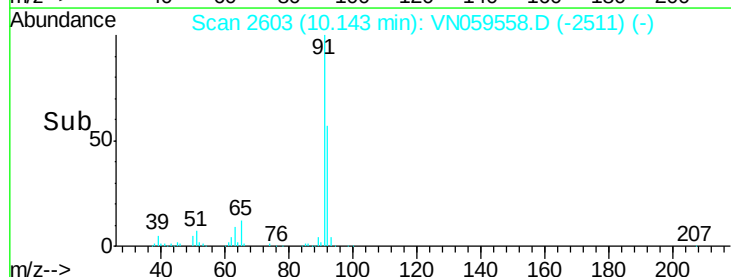
150000

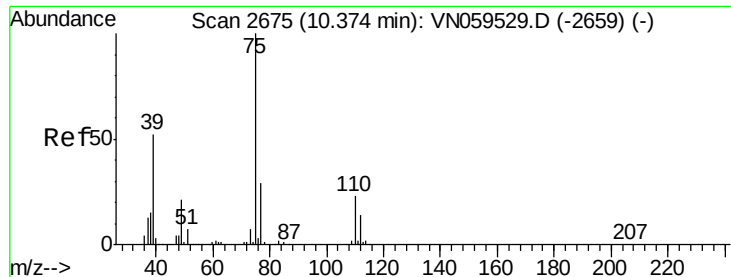
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.952 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBS01

Tot Ion: 75 Resp: 111584

Ion Ratio Lower Upper

75 100

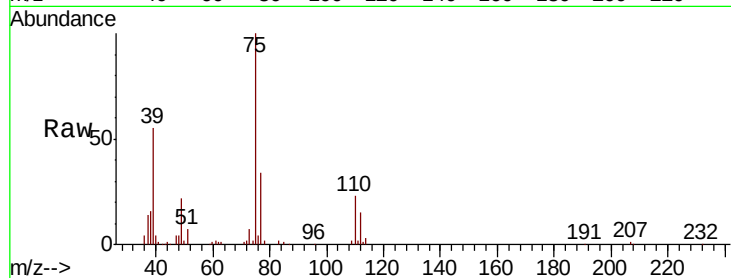
77 32.7 24.5 36.7

Manual Integrations

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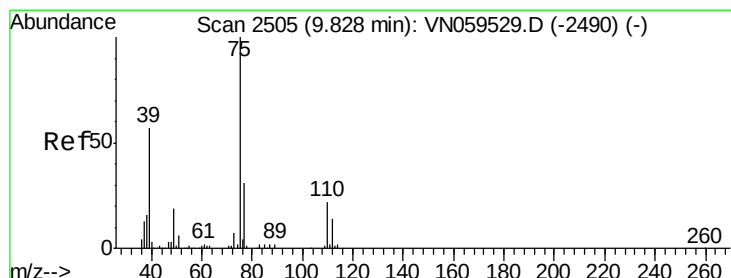
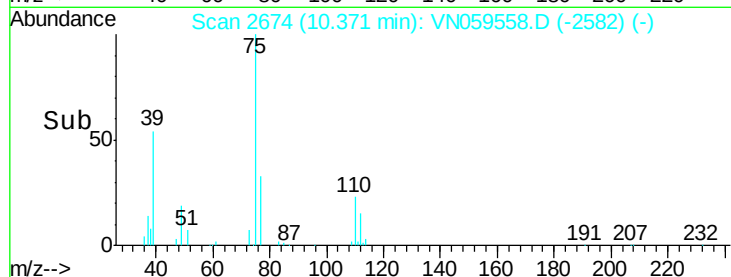
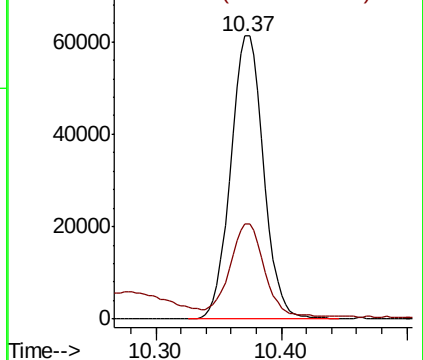
apatel

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.700 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

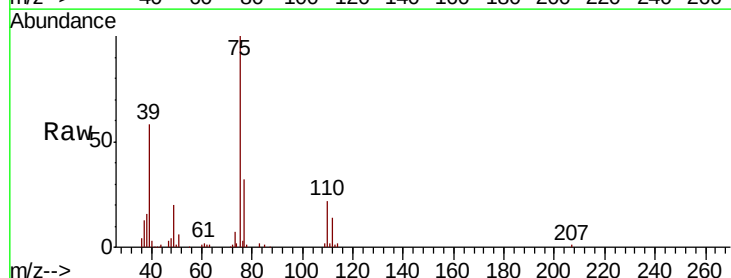
Tgt Ion: 75 Resp: 118487

Ion Ratio Lower Upper

75 100

77 31.8 24.6 36.8

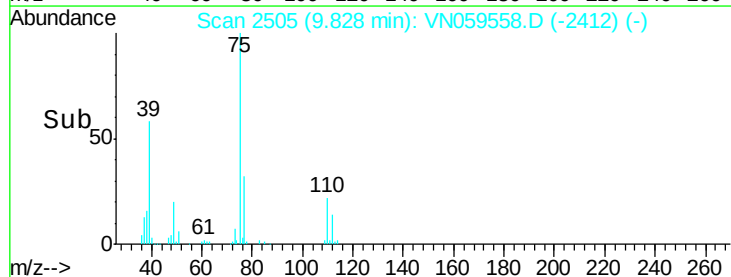
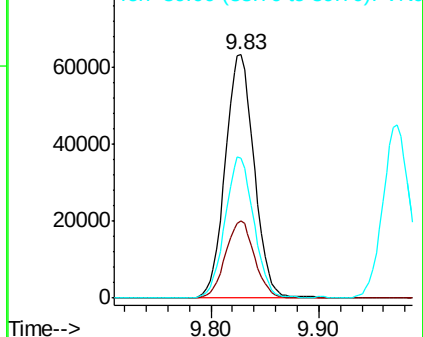
39 57.5 45.6 68.4

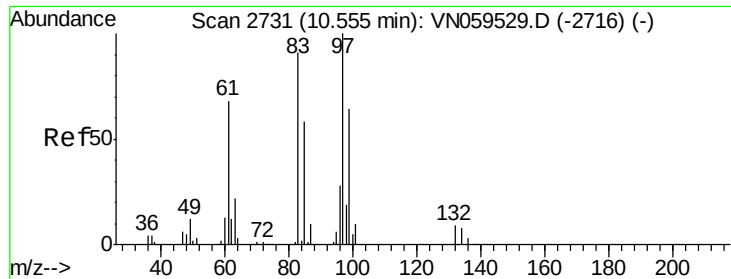


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.478 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBS01

Tot Ion: 97 Resp: 68079

Ion Ratio Lower Upper

97 100

83 90.2 72.9 109.3

85 58.3 46.1 69.1

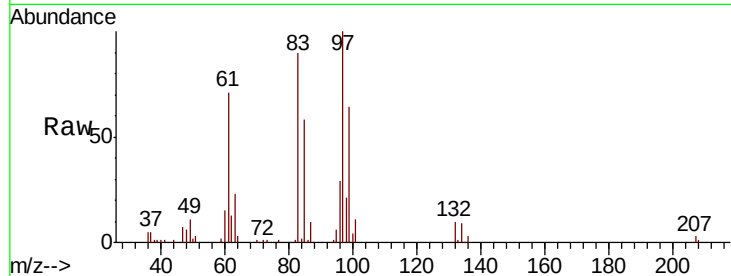
99 64.0 50.8 76.2

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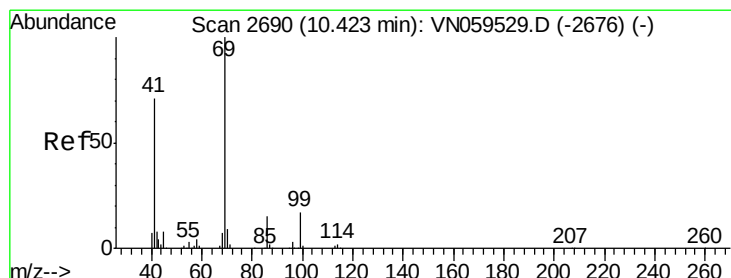
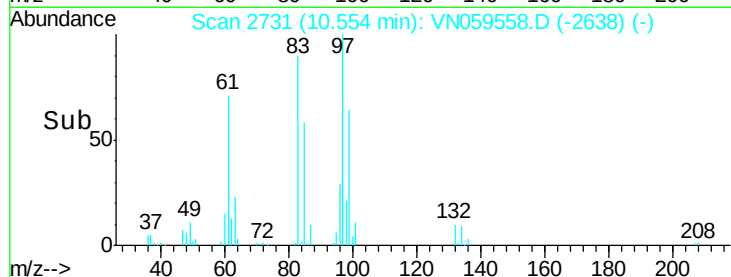
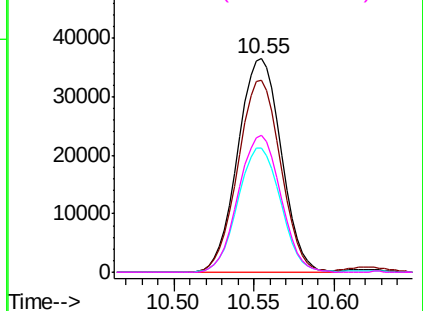


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.102 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

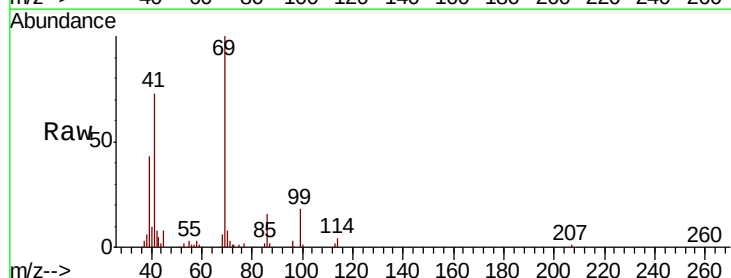
Tgt Ion: 69 Resp: 95552

Ion Ratio Lower Upper

69 100

41 73.4 57.7 86.5

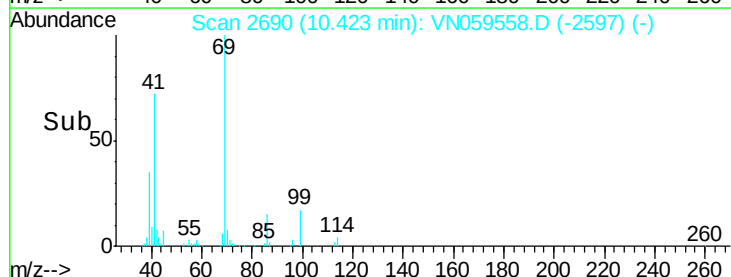
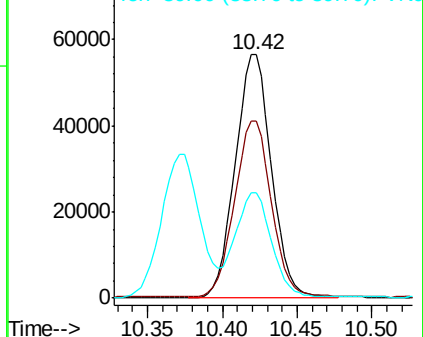
39 43.3 34.2 51.2

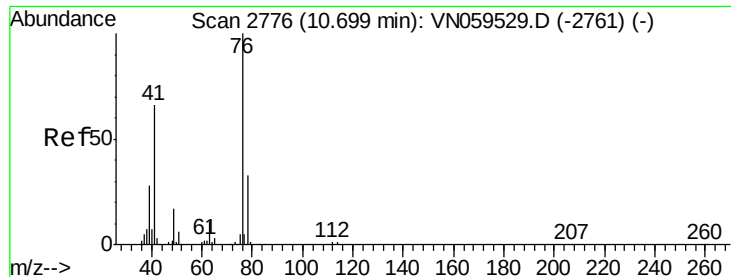


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.981 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBS01

Tot Ion: 76 Resp: 119123

Ion Ratio Lower Upper

76 100

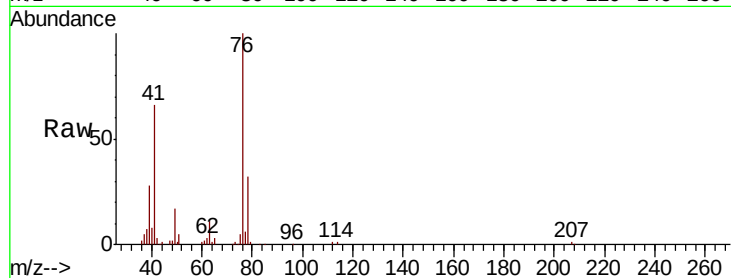
78 31.7 26.1 39.1

Manual Integrations

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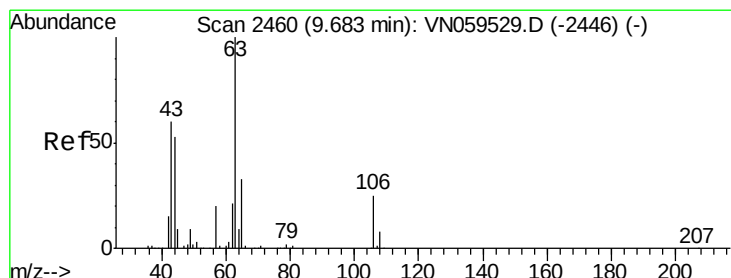
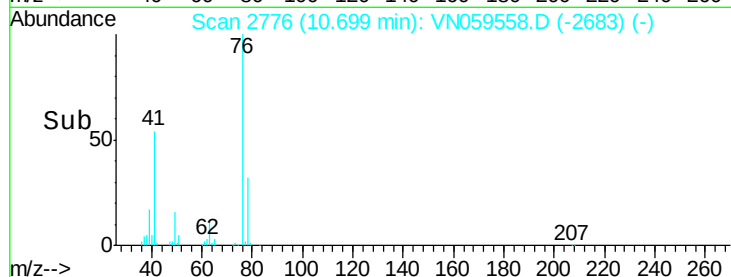
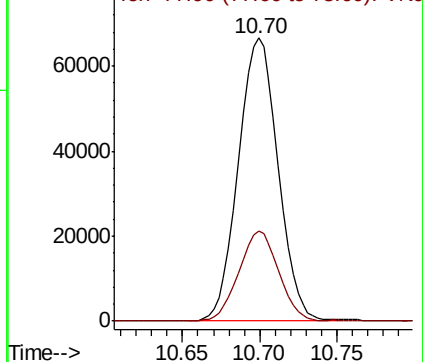
apatel

12/12/2019 9:25:32 AM



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: 124.879 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059558.D

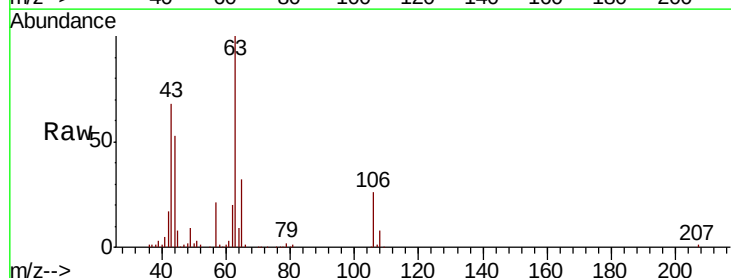
Acq: 11 Dec 2019 13:43

Tgt Ion: 63 Resp: 170072

Ion Ratio Lower Upper

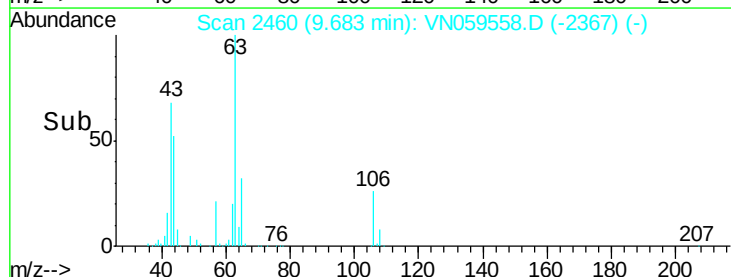
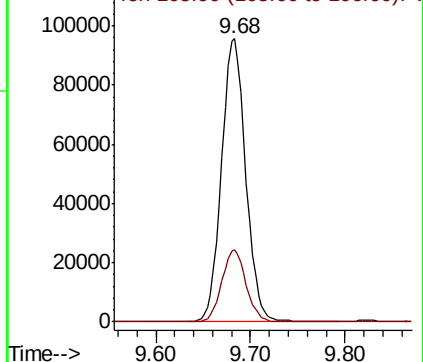
63 100

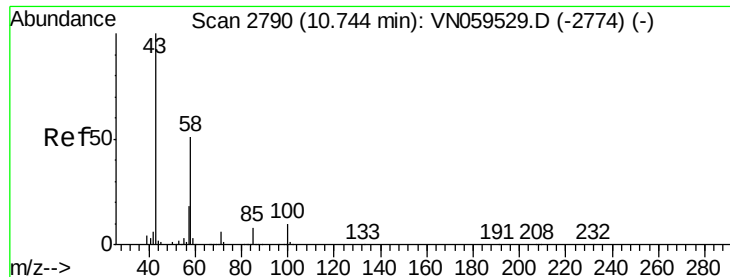
106 25.3 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





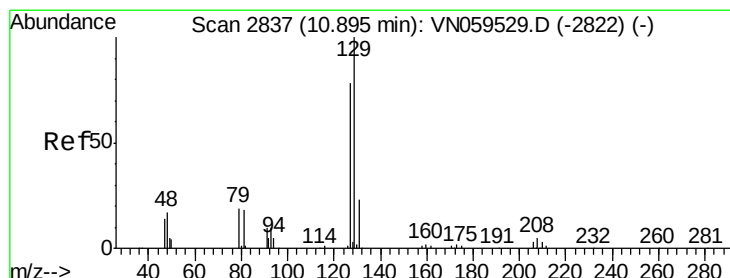
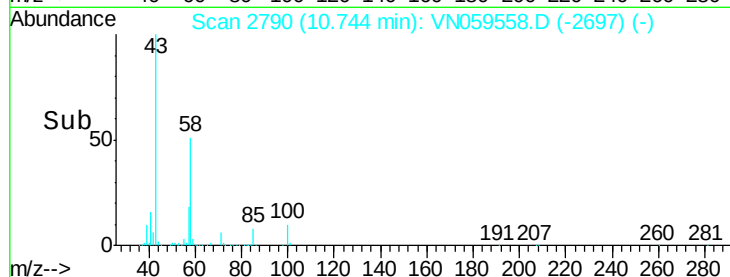
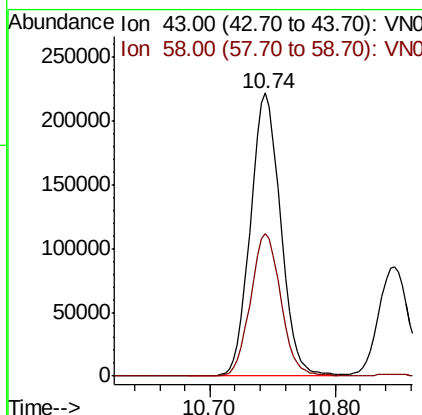
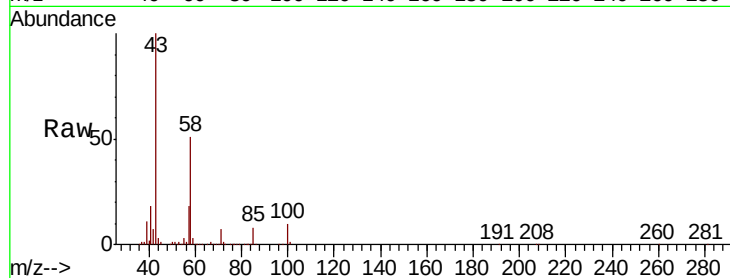
#59
2-Hexanone
Concen: 93.574 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.3	25.9	77.6

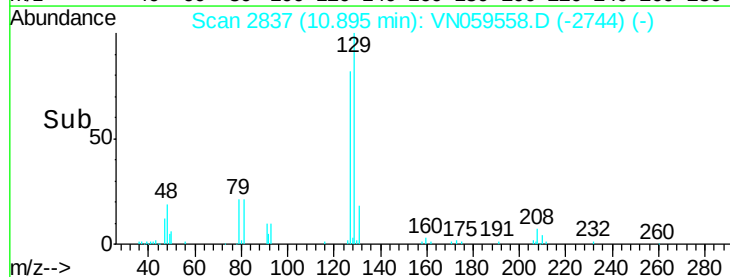
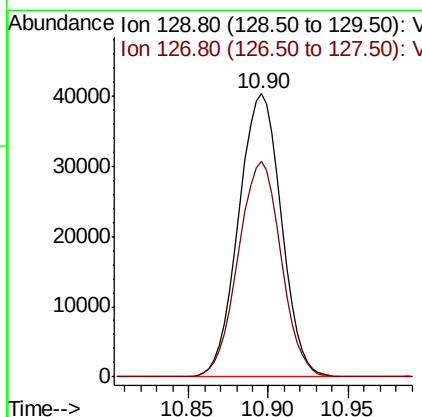
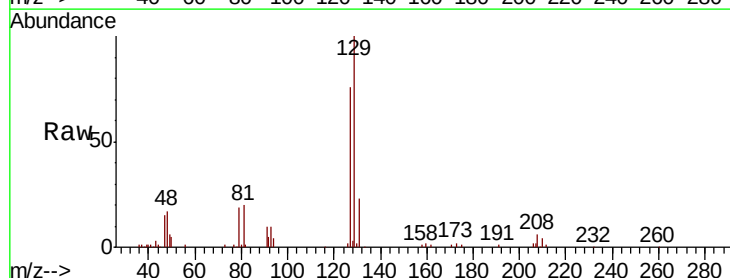
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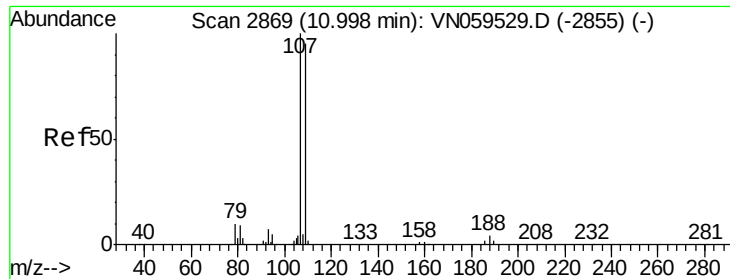
apatel
12/12/2019 9:25:32 AM



#60
Dibromochloromethane
Concen: 19.231 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.9	116.6





#61

1,2-Dibromoethane

Concen: 20.421 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBS01

Tot Ion: 107 Resp: 70675

Ion Ratio Lower Upper

107 100

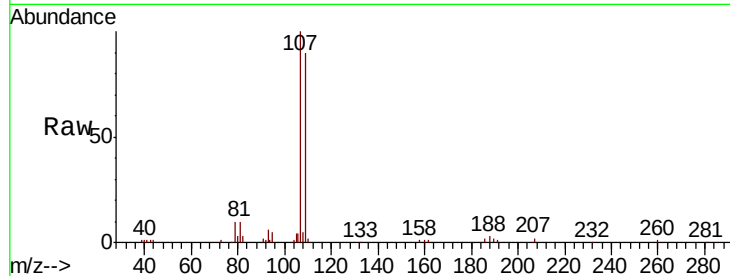
109 92.9 76.1 114.1

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

40000

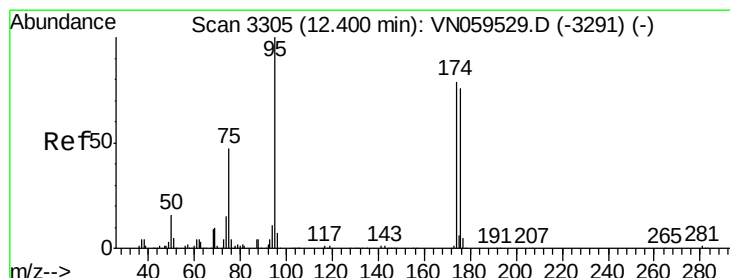
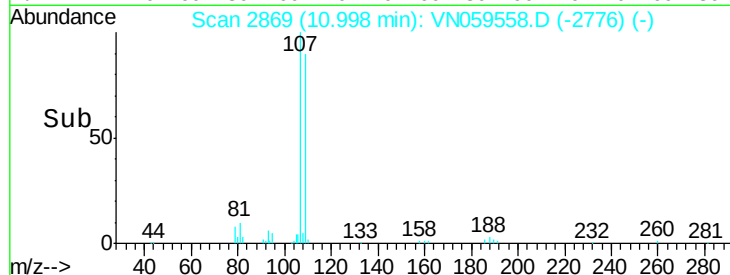
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.261 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

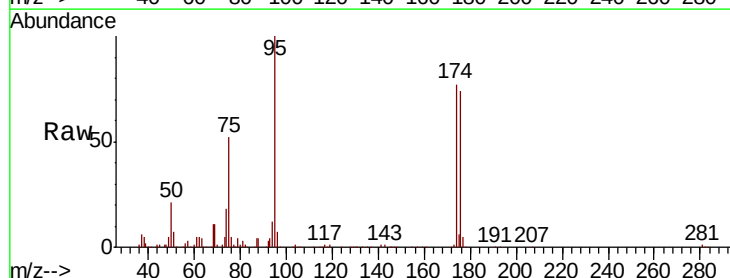
Tgt Ion: 95 Resp: 213348

Ion Ratio Lower Upper

95 100

174 76.9 0.0 158.0

176 73.6 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

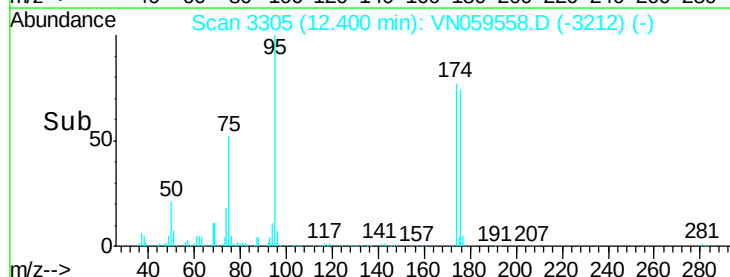
150000

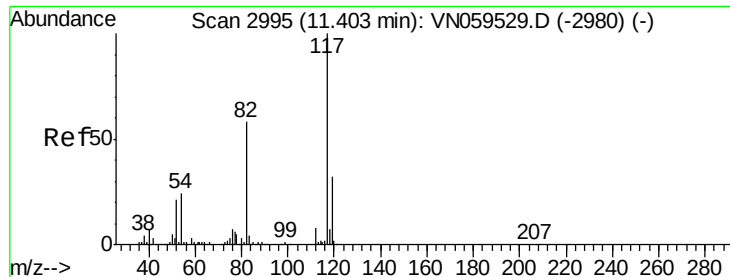
100000

50000

0

Time-->





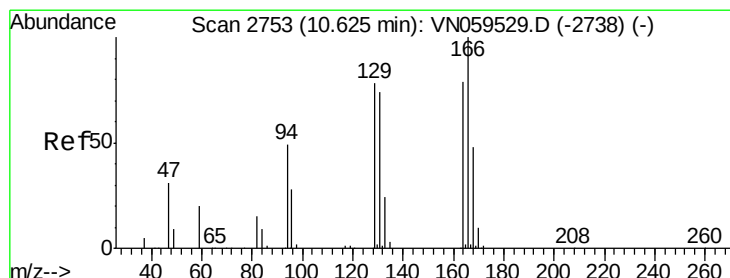
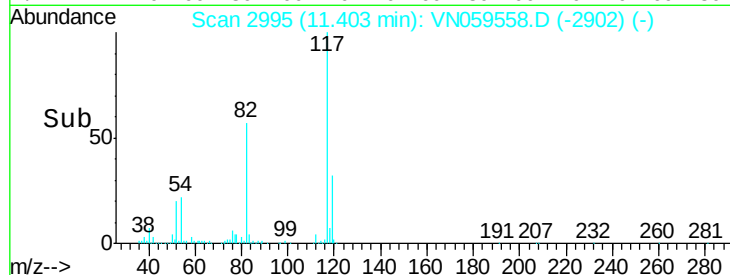
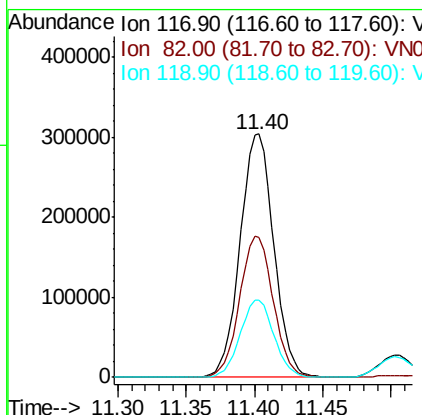
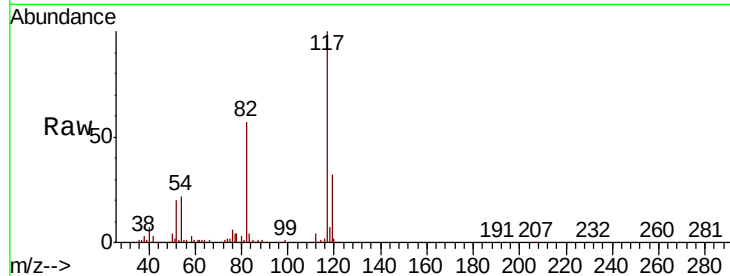
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.5	69.7
119	31.9	25.2	37.8

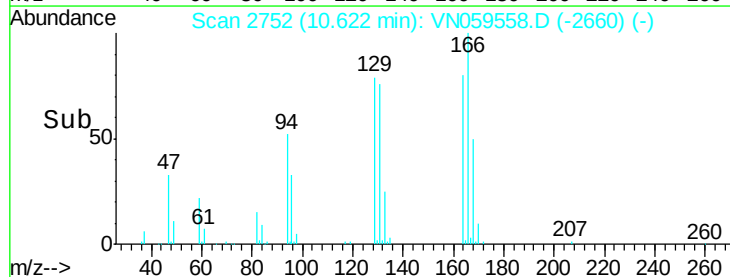
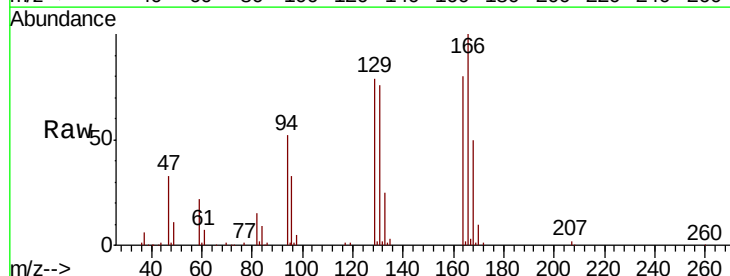
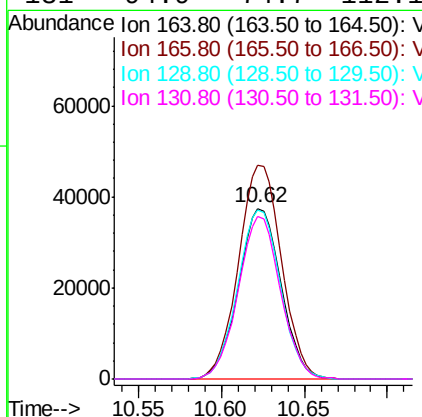
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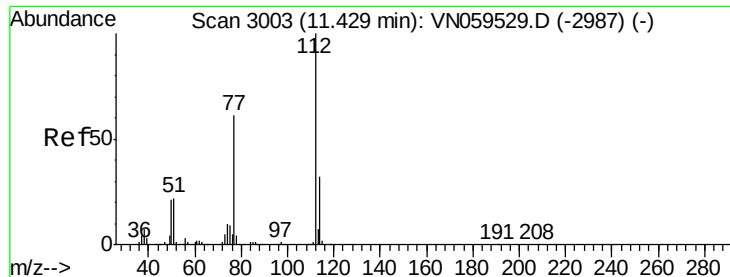
apatel
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#64
Tetrachloroethene
Concen: 17.592 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	101.6	152.4
129	99.1	79.0	118.6
131	94.9	74.7	112.1





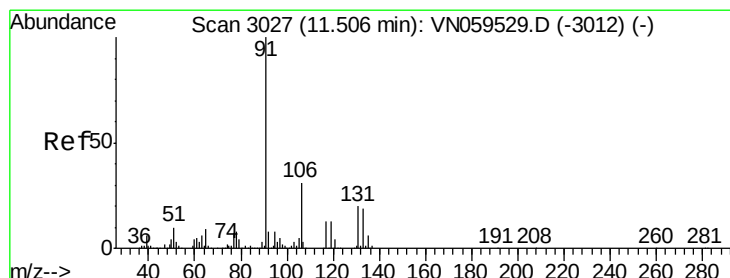
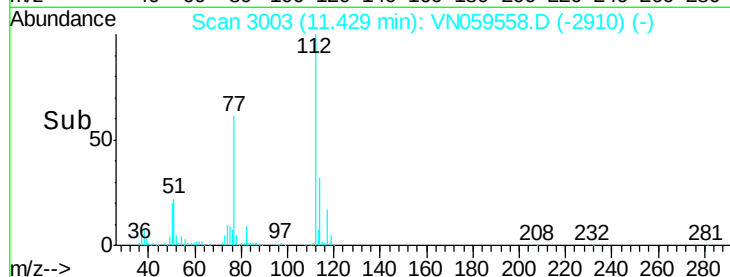
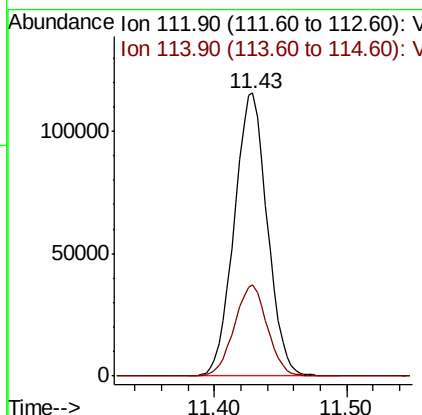
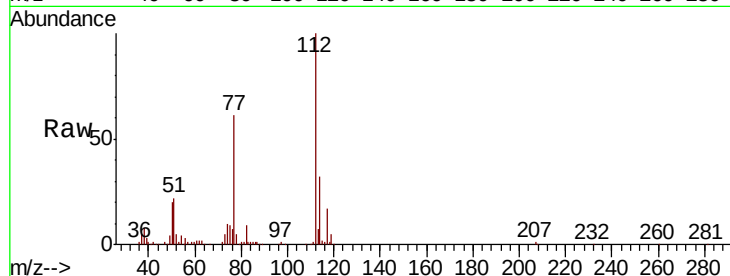
#65
Chlorobenzene
Concen: 18.297 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.0	39.0

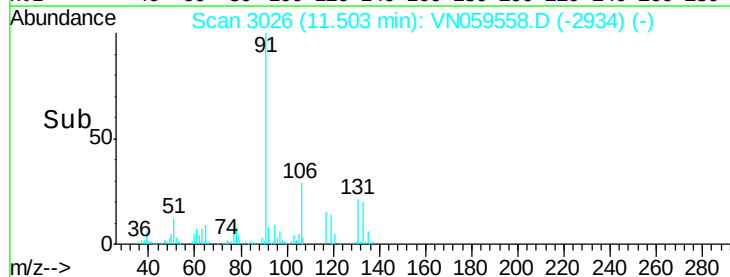
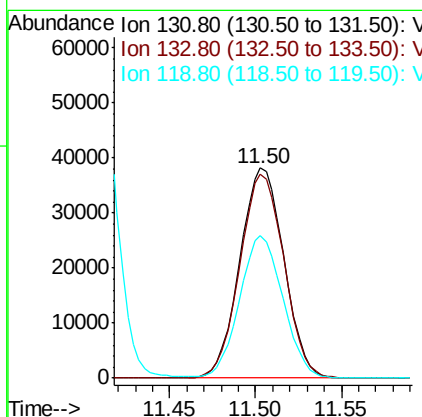
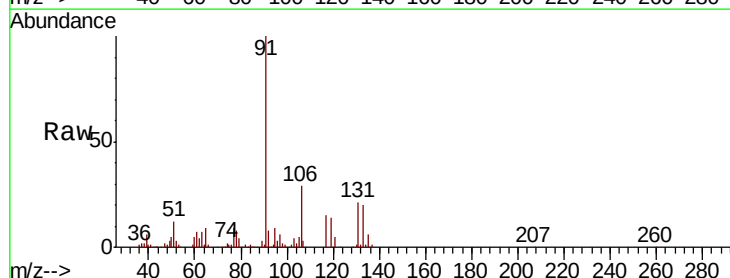
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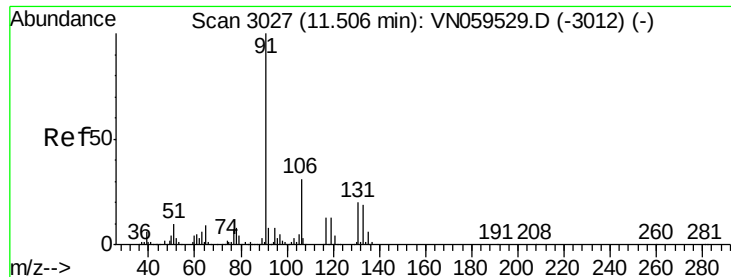
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 16.694 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.3	47.8	143.3
119	66.9	33.4	100.2





#67

Ethyl Benzene

Concen: 16.404 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBS01

Tot Ion: 91 Resp: 322429

Ion Ratio Lower Upper

91 100

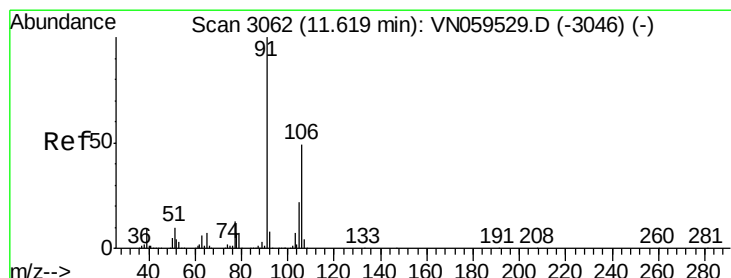
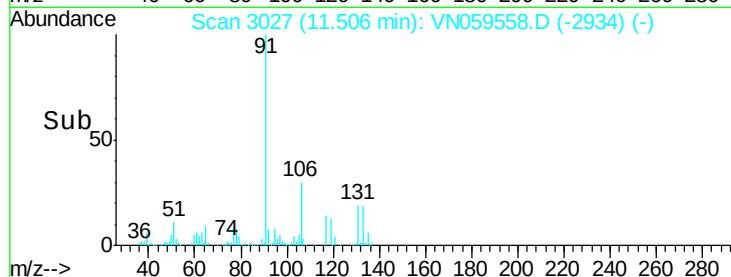
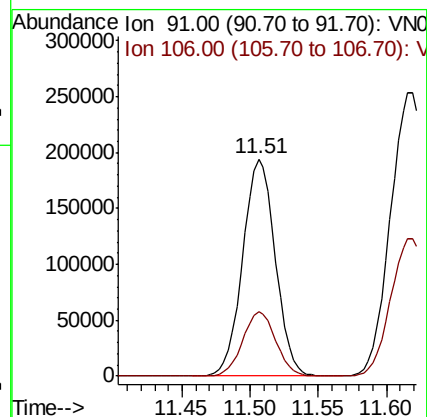
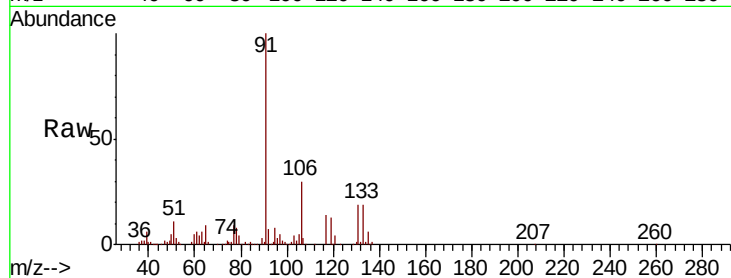
106 29.5 24.5 36.7

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#68

m/p-Xylenes

Concen: 32.125 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059558.D

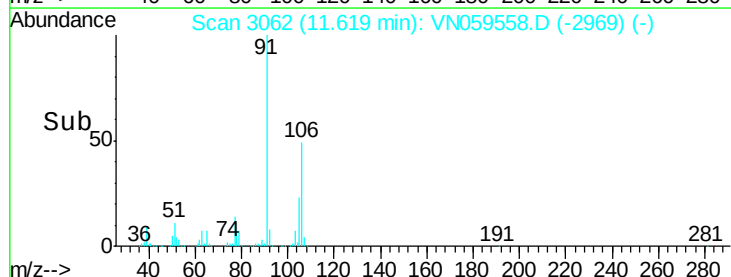
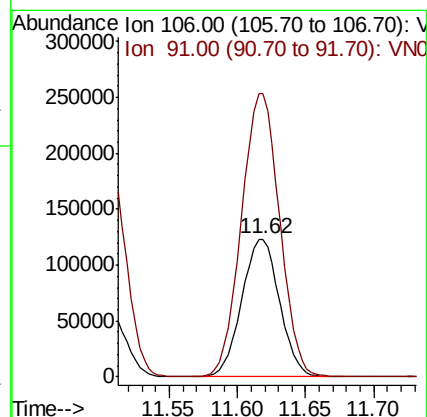
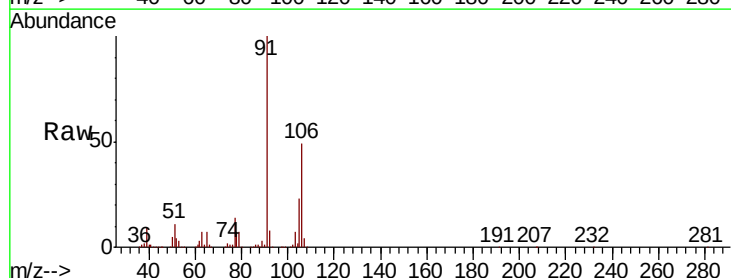
Acq: 11 Dec 2019 13:43

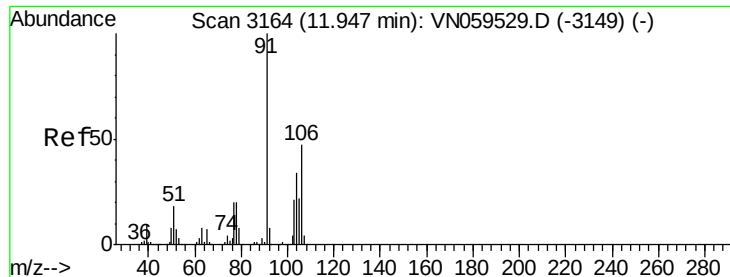
Tgt Ion: 106 Resp: 236877

Ion Ratio Lower Upper

106 100

91 207.5 162.9 244.3





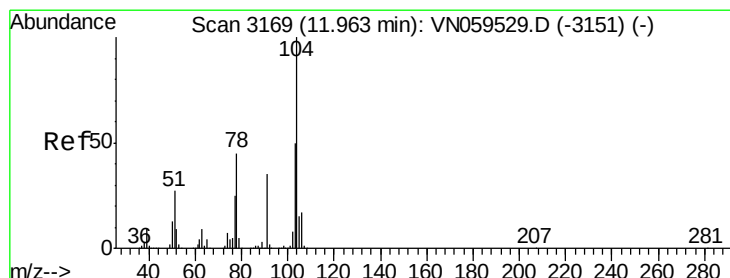
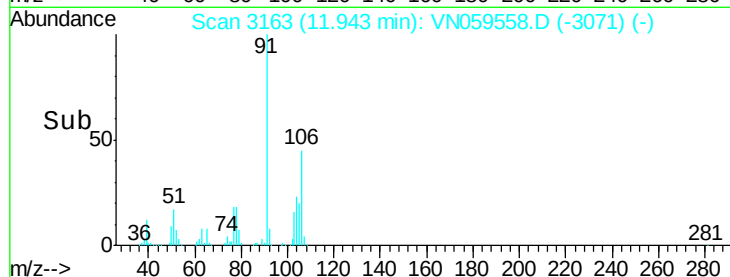
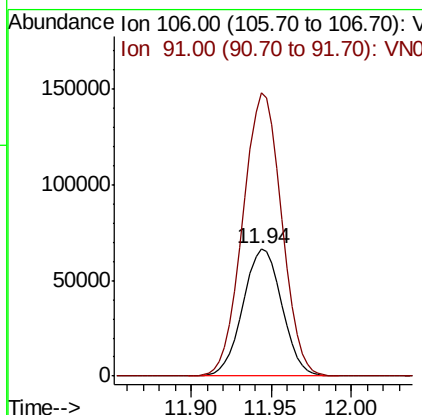
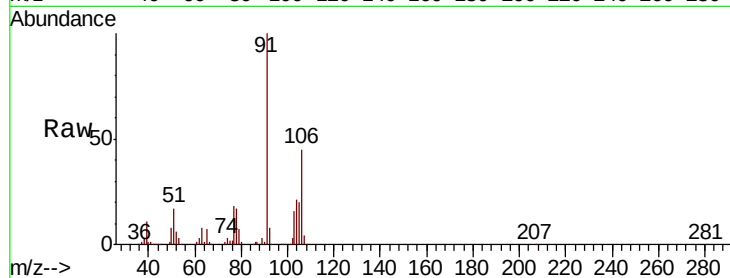
#69
o-Xylene
Concen: 16.147 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion:106 Resp: 110819
Ion Ratio Lower Upper
106 100
91 221.9 106.7 319.9

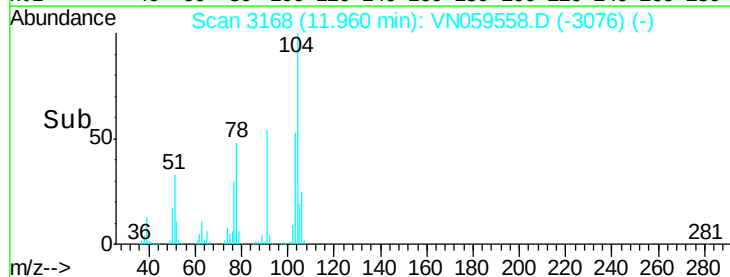
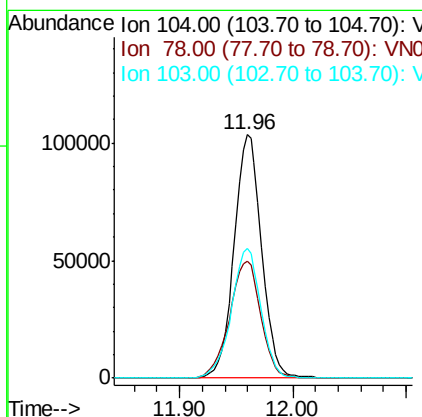
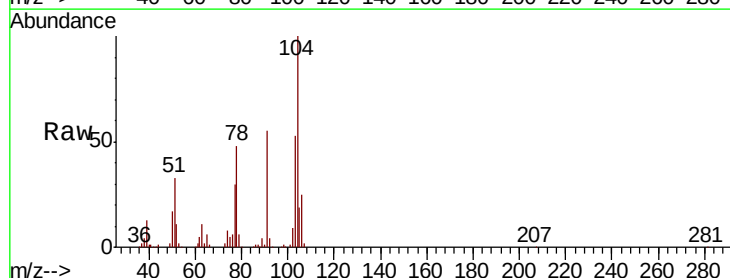
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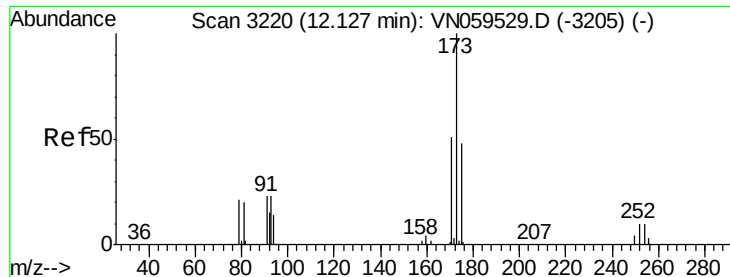
apatel
12/12/2019 9:25:32 AM



#70
Styrene
Concen: 15.425 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion:104 Resp: 175389
Ion Ratio Lower Upper
104 100
78 54.4 40.6 60.8
103 57.2 43.9 65.9





#71

Bromoform

Concen: 15.537 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBS01

Tot Ion:173 Resp: 49805

Ion Ratio Lower Upper

173 100

175 51.1 24.1 72.4

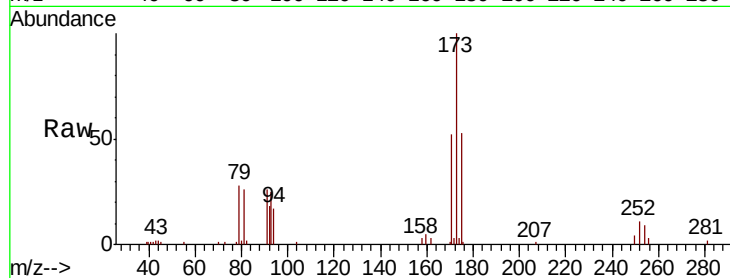
254 0.0 0.0 0.0

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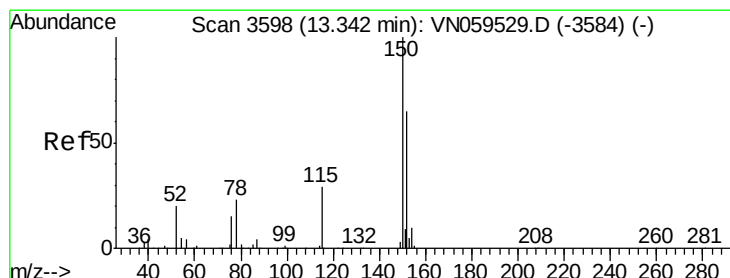
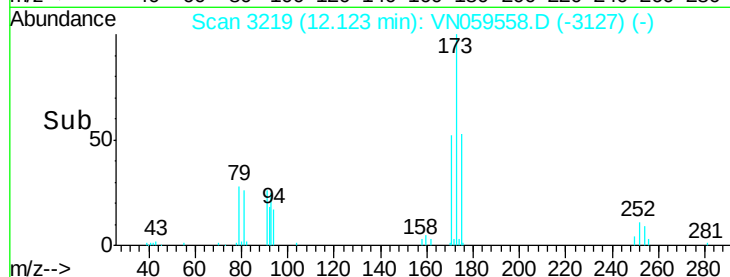
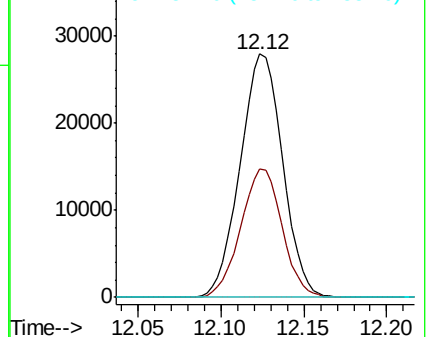
12/12/2019 9:25:32 AM



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: VN059558.D

Acq: 11 Dec 2019 13:43

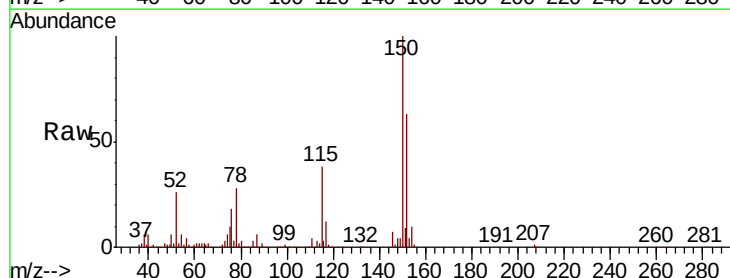
Tgt Ion:152 Resp: 206409

Ion Ratio Lower Upper

152 100

115 60.8 29.4 88.2

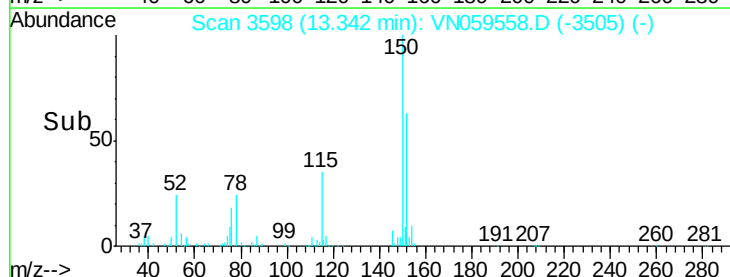
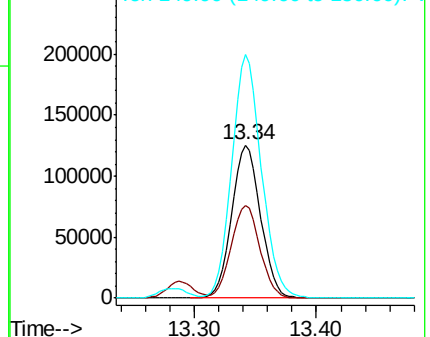
150 163.4 0.0 342.4

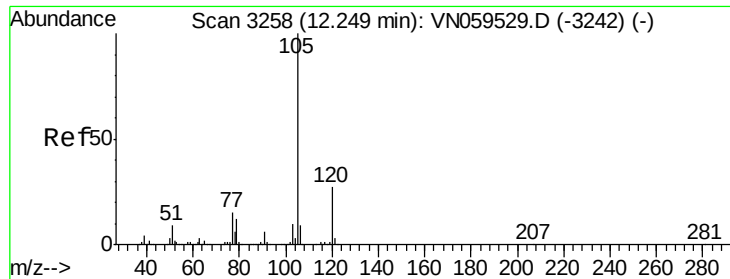


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.495 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

VN1211MBS01

Tot Ion: 105 Resp: 301844

Ion Ratio Lower Upper

105 100

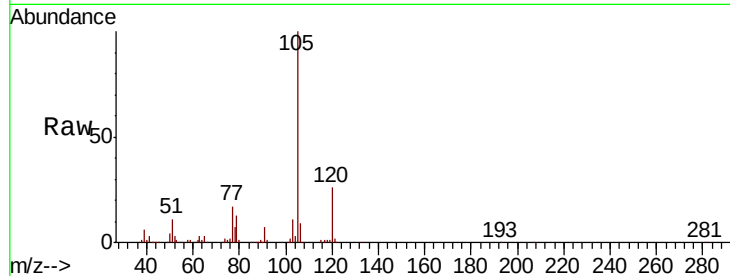
120 25.9 13.2 39.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

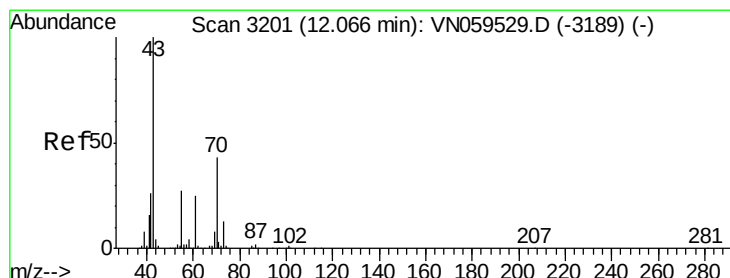
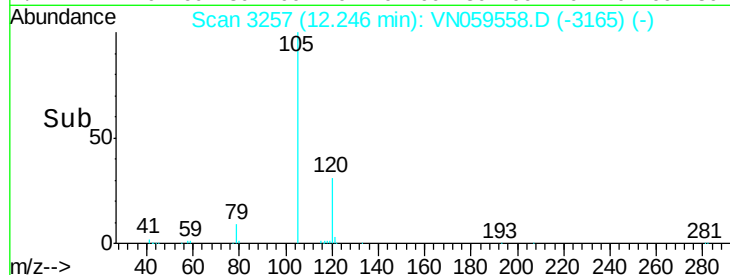
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 19.796 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Tgt Ion: 43 Resp: 133507

Ion Ratio Lower Upper

43 100

70 39.1 34.2 51.4

55 26.3 21.3 31.9

61 22.5 19.8 29.8

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

60000

40000

20000

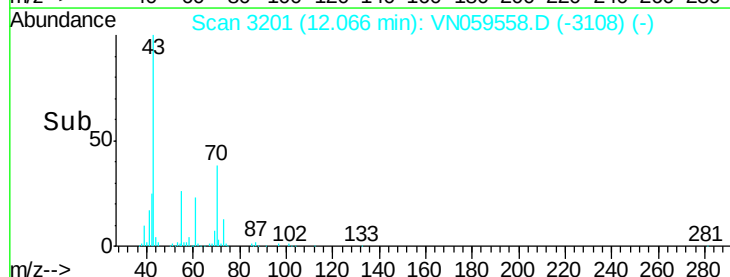
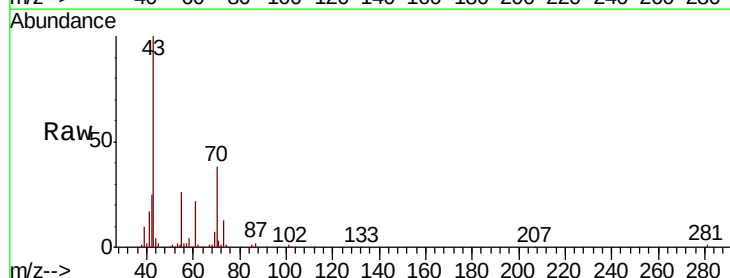
0

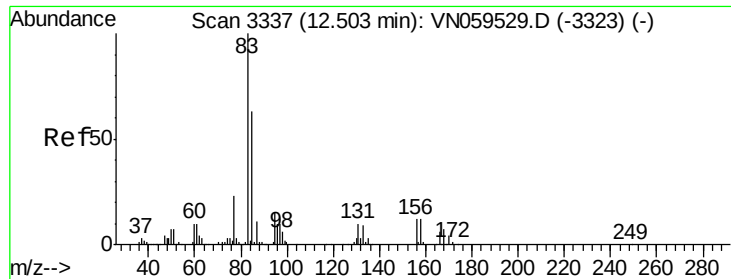
12.00

12.05

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.868 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

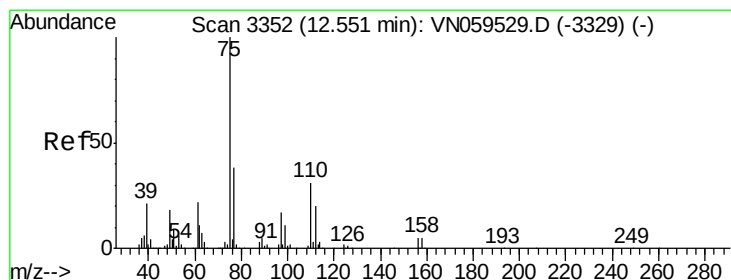
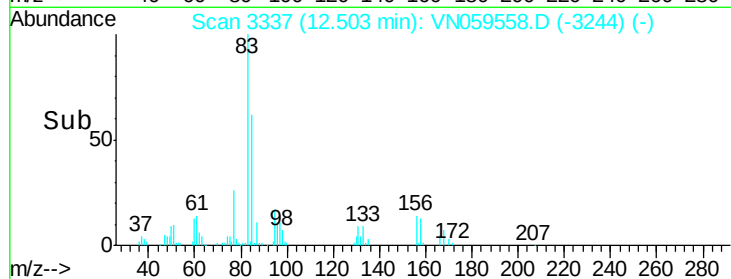
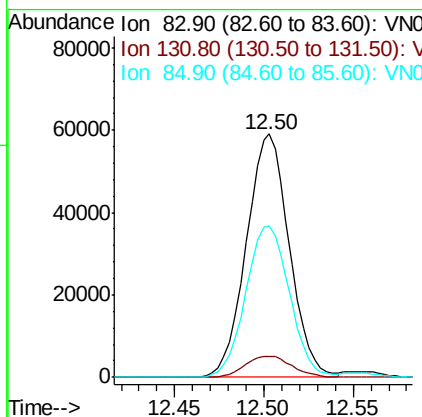
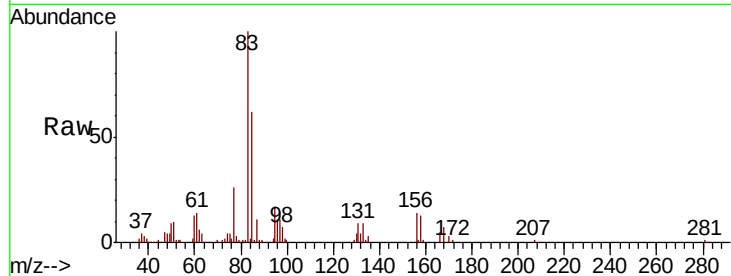
ClientSampleId :

VN1211MBS01

Tot Ion:	83	Resp:	98987
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.0	14.9
85	63.6	31.6	95.0

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#76

1,2,3-Trichloropropane

Concen: 19.933 ug/l m

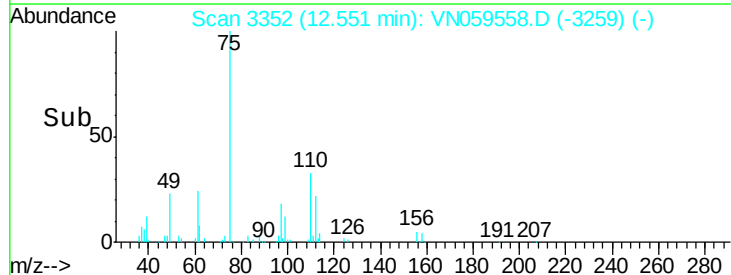
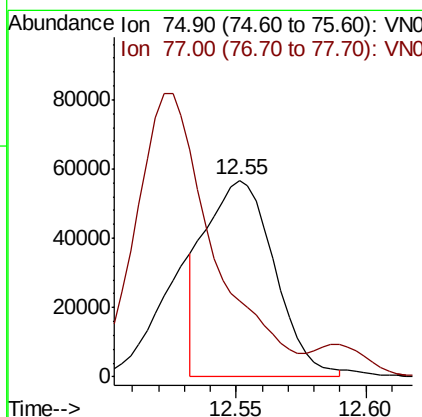
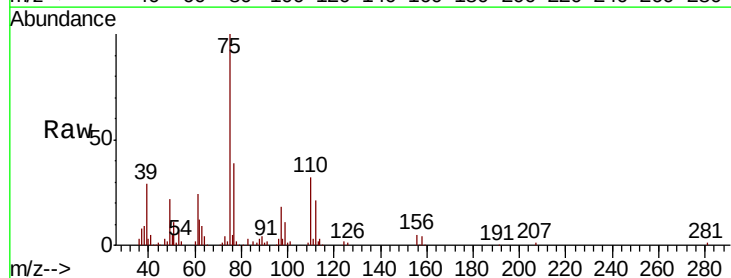
RT: 12.55 min Scan# 3352

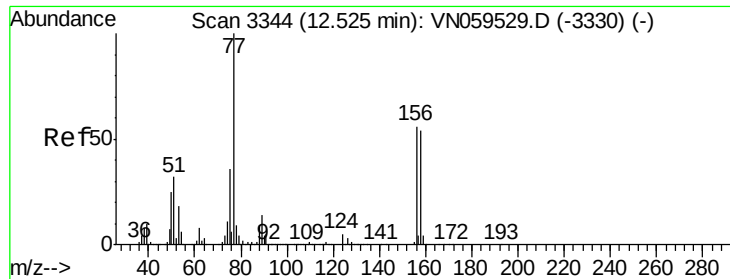
Delta R.T. 0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Tgt Ion:	75	Resp:	105213
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





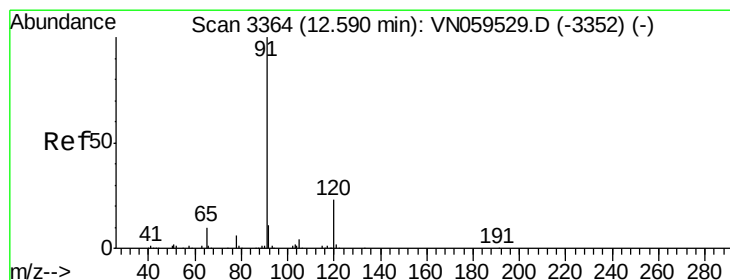
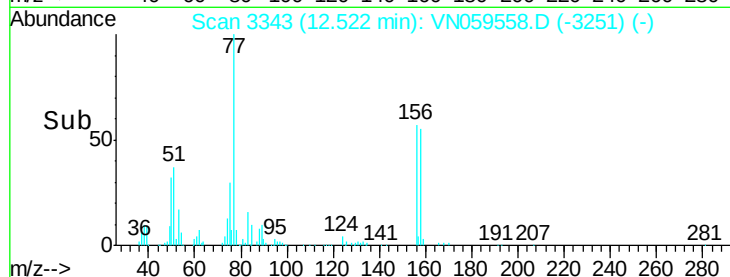
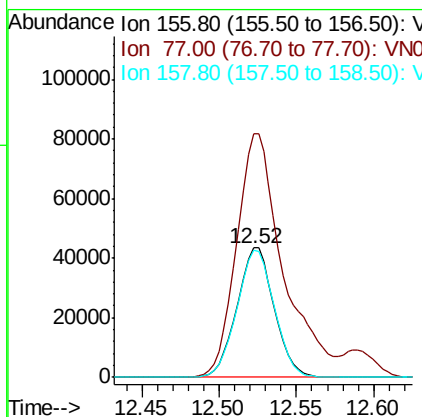
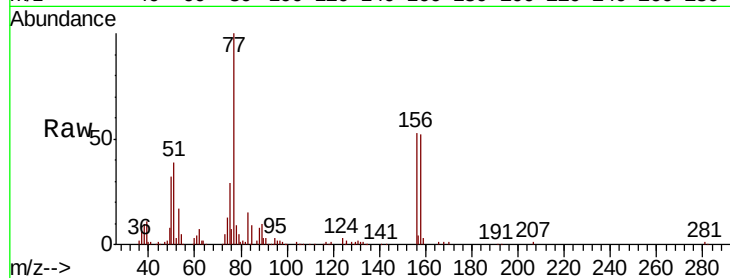
#77
Bromobenzene
Concen: 18.913 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	234.9	109.3	327.8	
158	98.2	48.6	145.8	

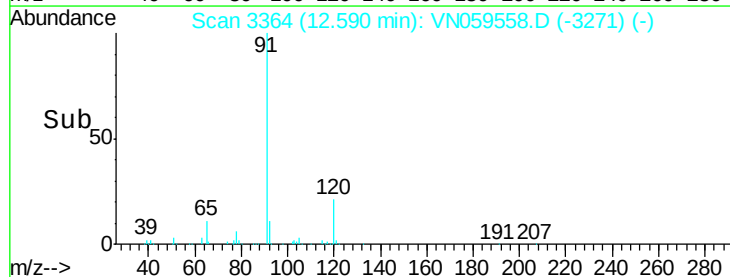
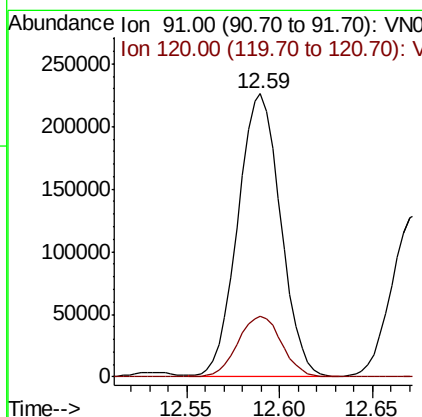
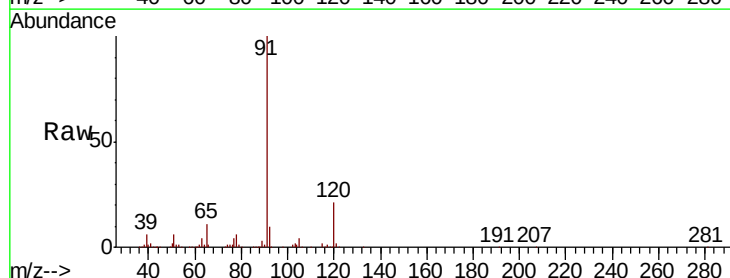
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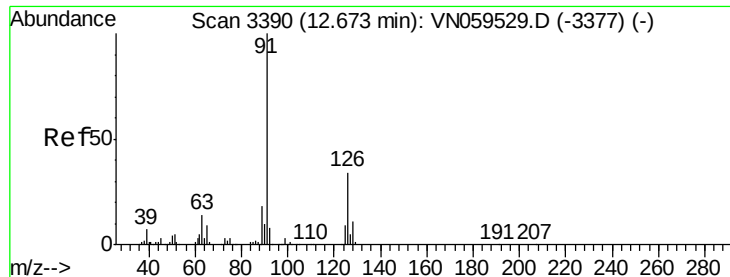
apatel
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#78
n-propylbenzene
Concen: 19.003 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.0	11.4	34.1	





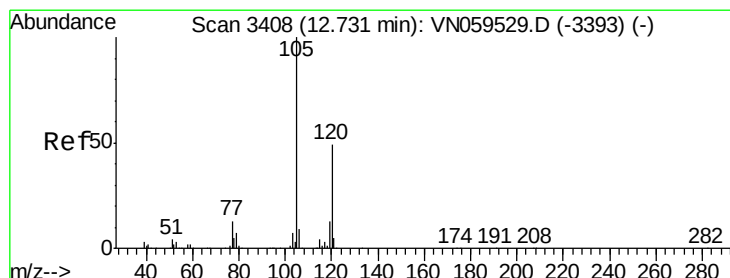
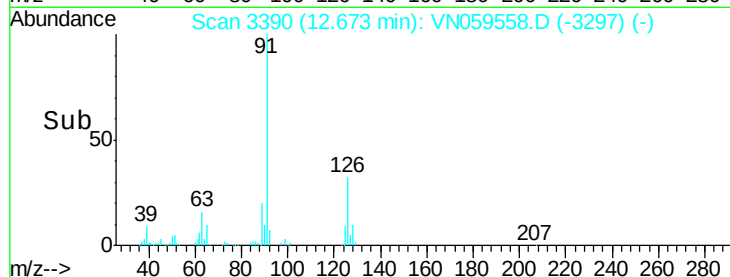
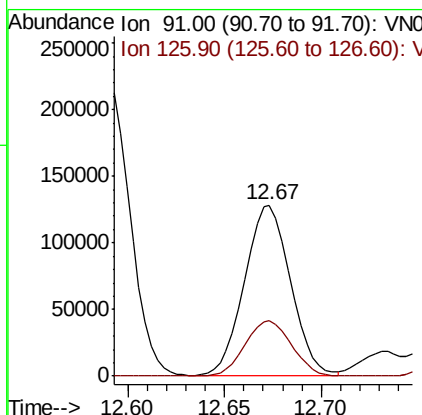
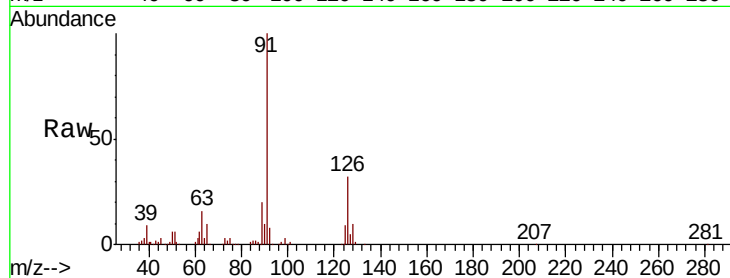
#79
 2-Chlorotoluene
 Concen: 18.676 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059558.D
 Acq: 11 Dec 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211MBS01

Tot Ion: 91 Resp: 211882
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.9 50.7

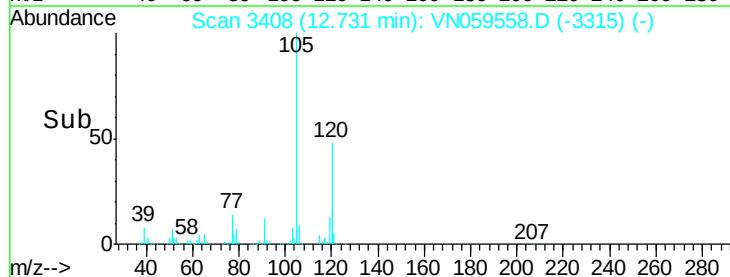
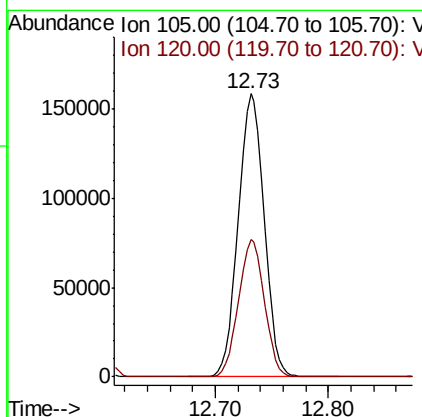
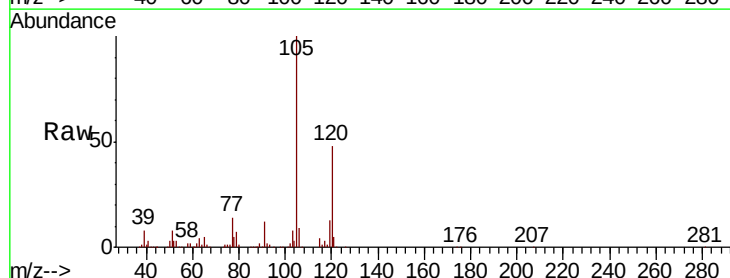
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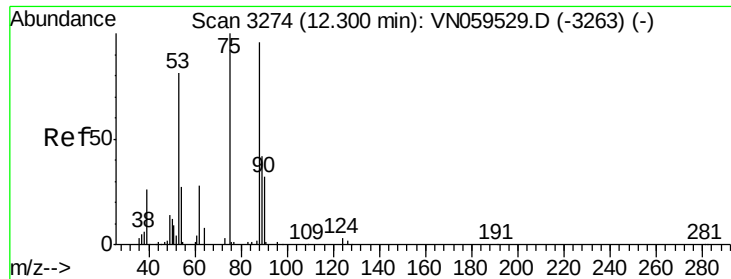
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.120 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN059558.D
 Acq: 11 Dec 2019 13:43

Tgt Ion: 105 Resp: 253854
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.5 73.5





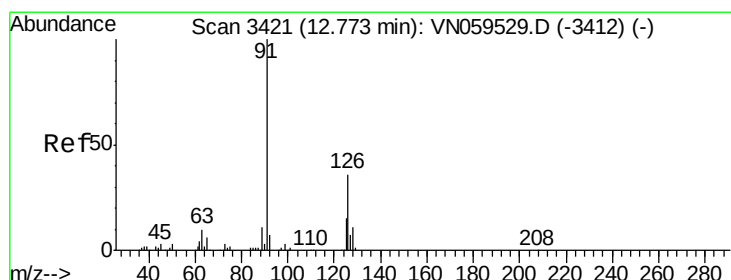
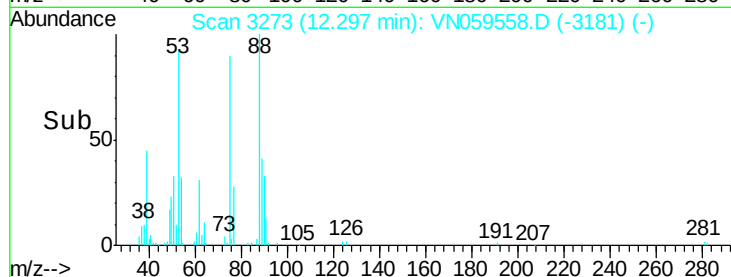
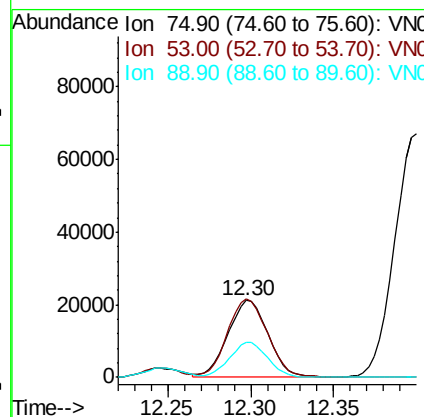
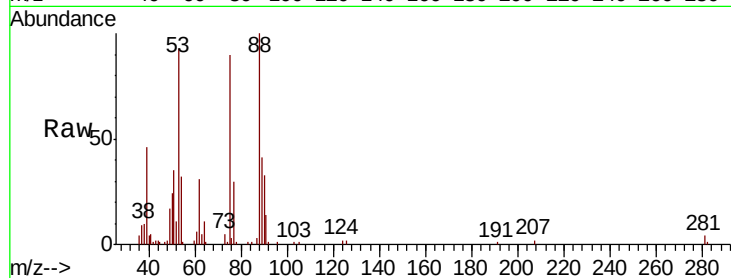
#81
trans-1,4-Dichloro-2-butene
Concen: 18.361 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.5	67.0	100.6#
89	42.8	35.5	53.3

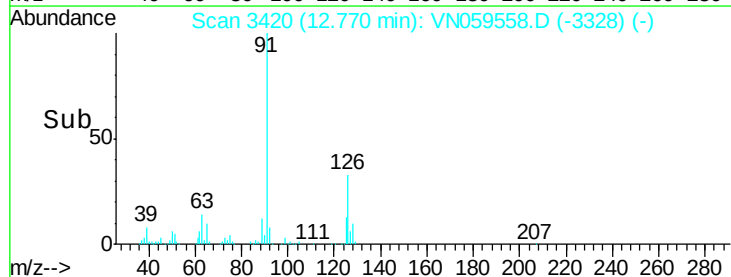
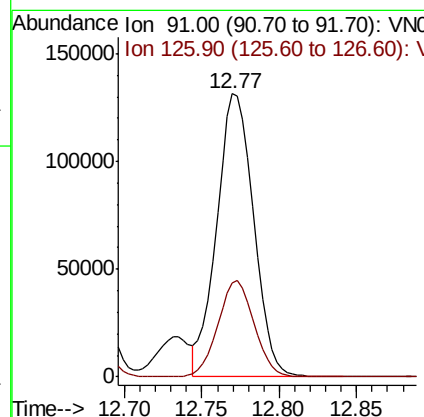
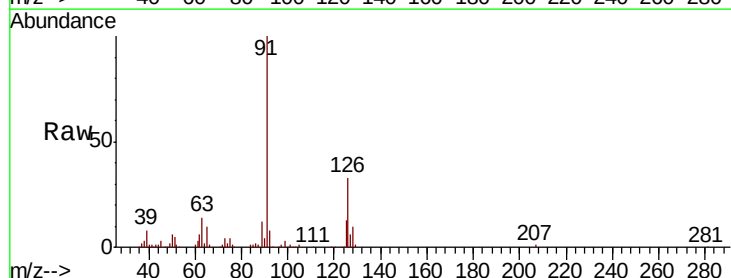
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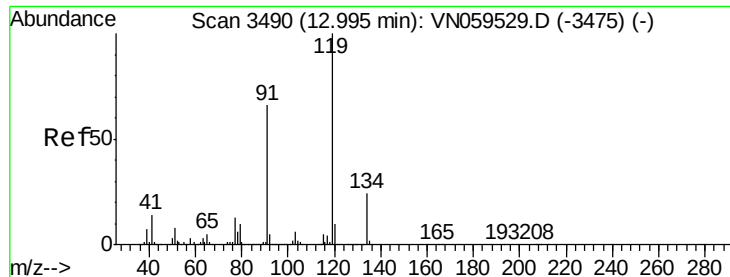
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#82
4-Chlorotoluene
Concen: 18.717 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.4	49.4





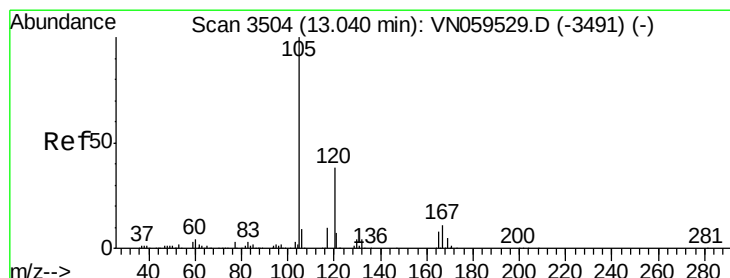
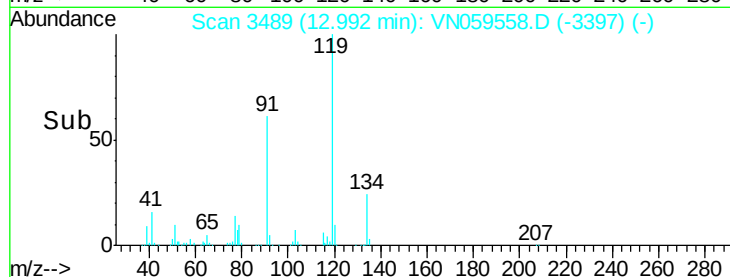
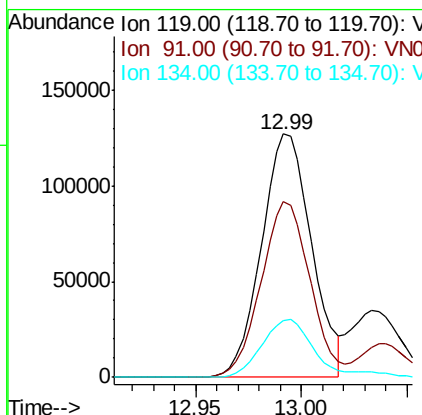
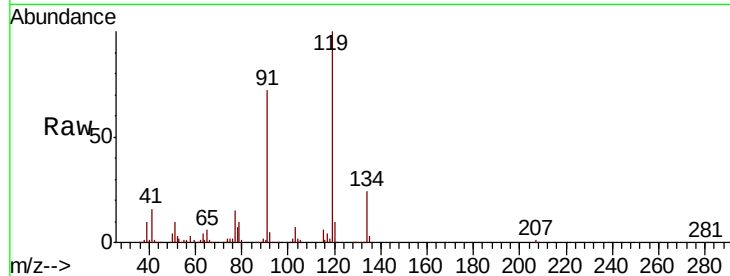
#83
tert-Butylbenzene
Concen: 18.970 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.7	32.8	98.4
134	25.6	12.8	38.3

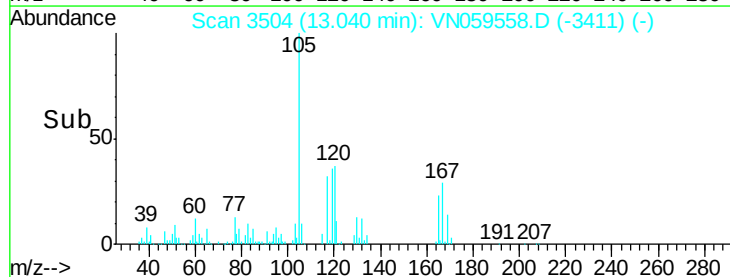
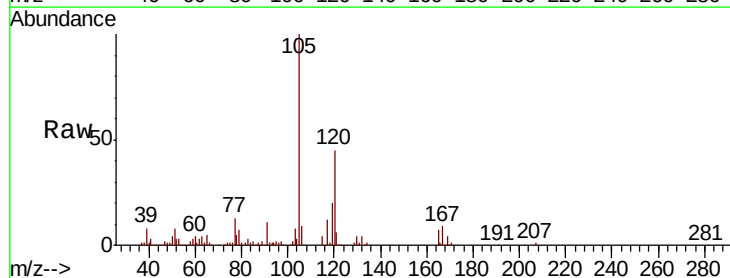
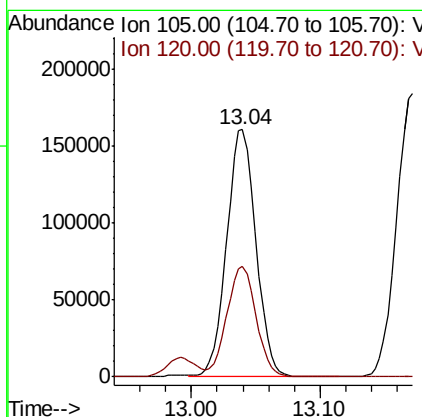
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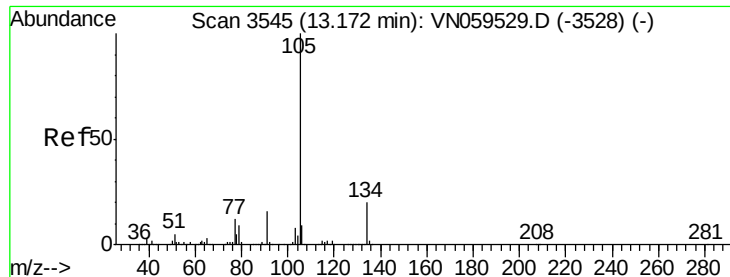
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#84
1,2,4-Trimethylbenzene
Concen: 19.330 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.8	68.3





#85

sec-Butylbenzene

Concen: 19.367 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

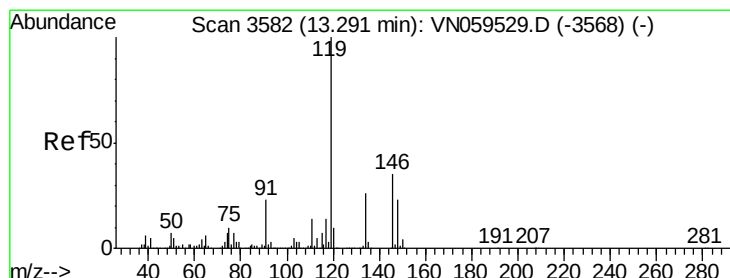
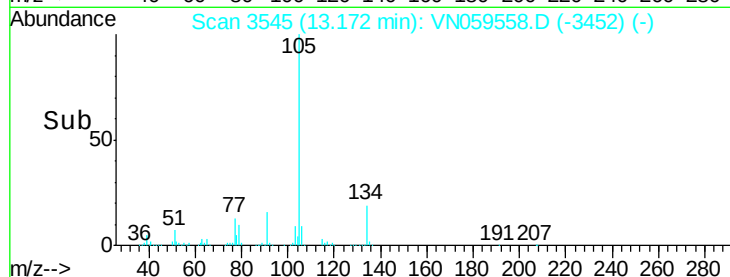
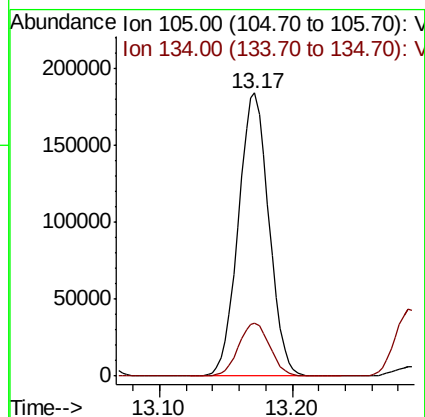
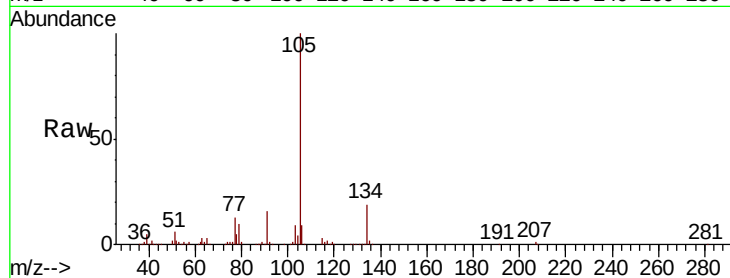
ClientSampleId :

VN1211MBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	294528		
134	19.1	9.8	29.5	

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#86

p-Isopropyltoluene

Concen: 19.601 ug/l

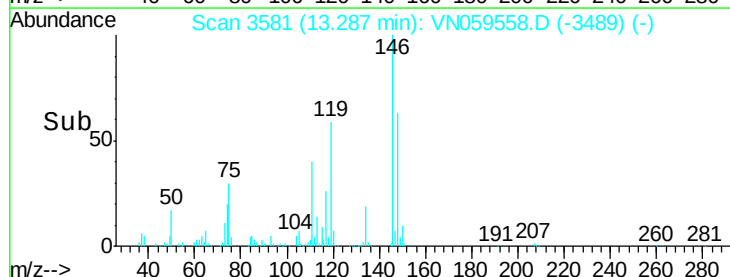
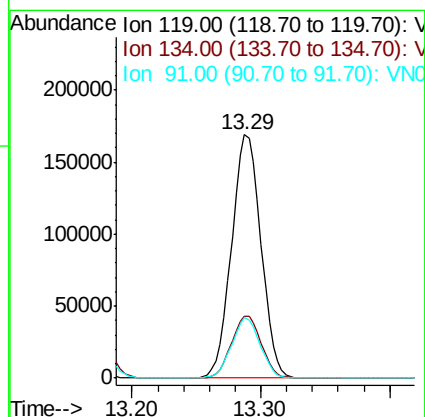
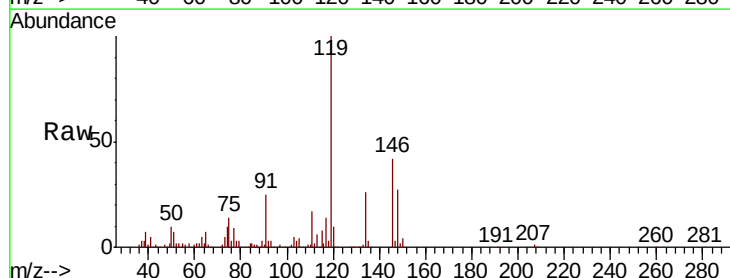
RT: 13.29 min Scan# 3581

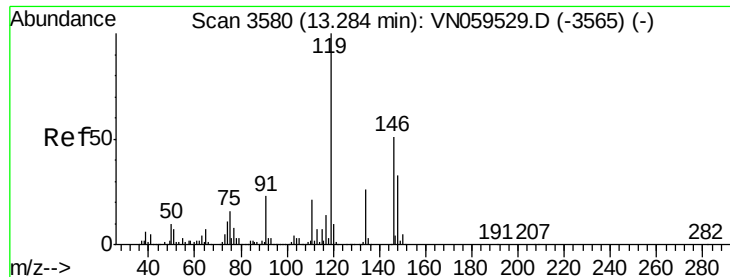
Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	266417		
134	25.9	13.0	39.0	
91	24.3	11.7	35.1	





#87

1,3-Dichlorobenzene

Concen: 18.915 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059558.D

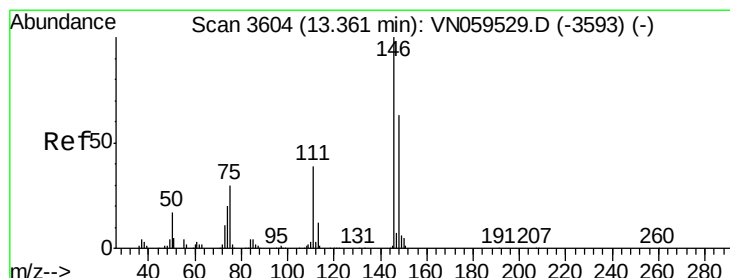
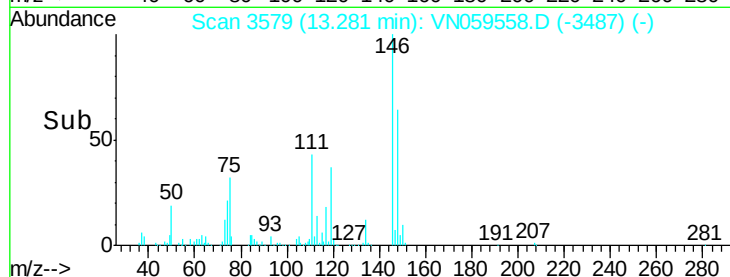
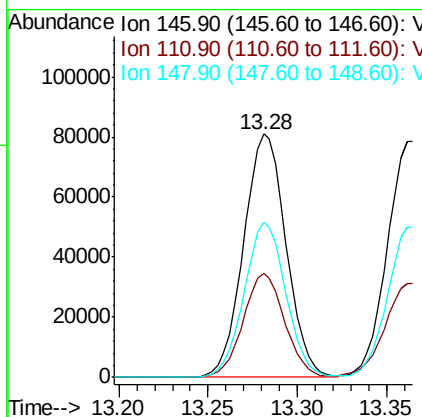
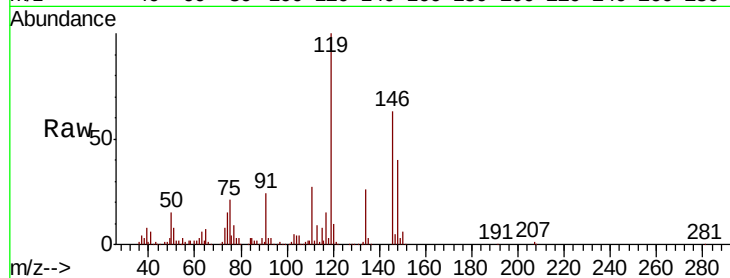
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.6	61.8
148	62.8	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 19.214 ug/l

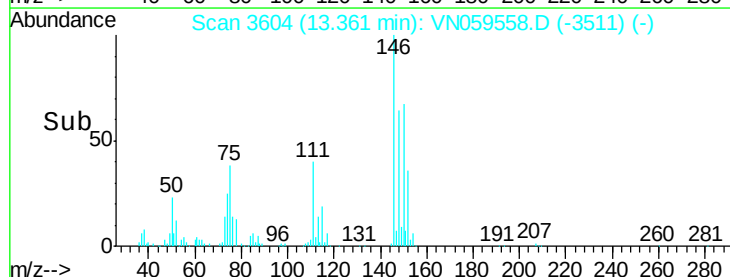
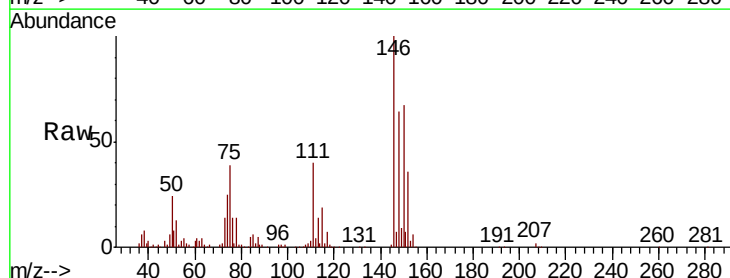
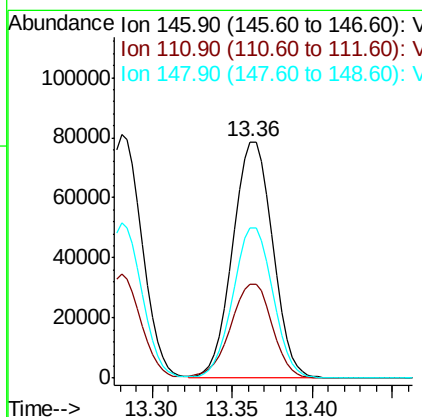
RT: 13.36 min Scan# 3604

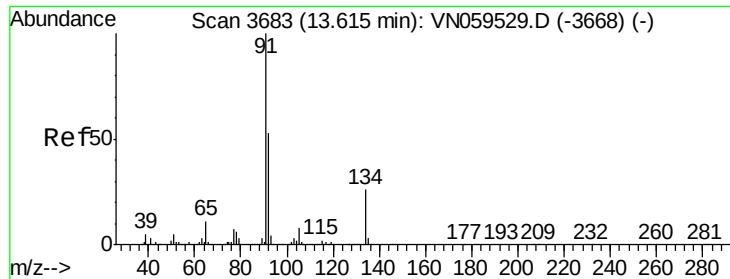
Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.0	59.9
148	63.4	31.9	95.7





#89

n-Butylbenzene

Concen: 19.353 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

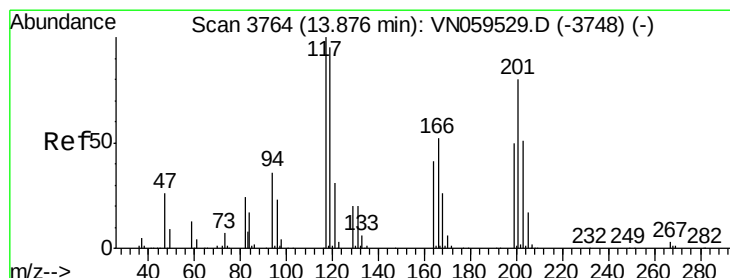
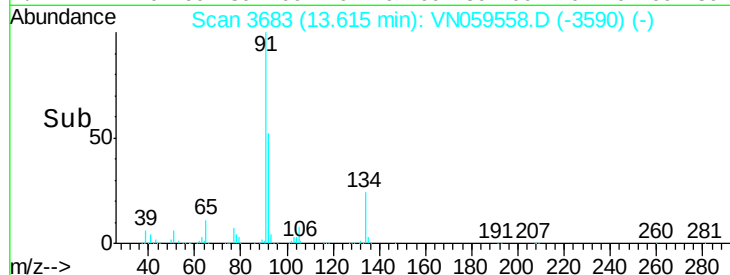
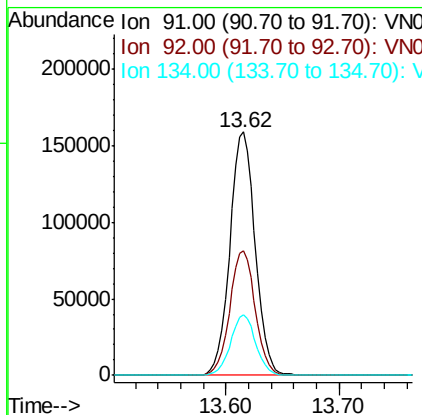
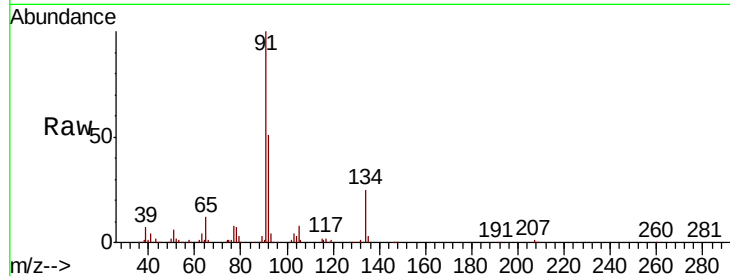
ClientSampleId :

VN1211MBS01

Tot Ion:	91	Resp:	246991
Ion Ratio	Lower	Upper	
91	100		
92	51.3	26.3	78.9
134	24.6	12.8	38.4

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#90

Hexachloroethane

Concen: 19.860 ug/l

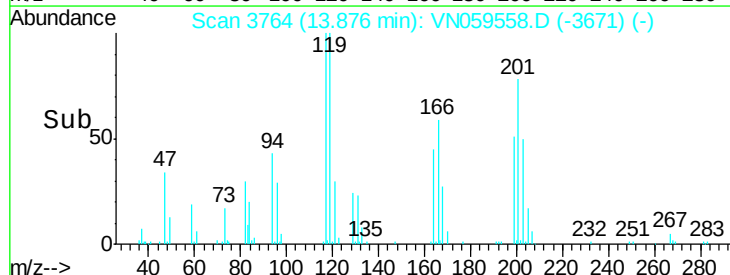
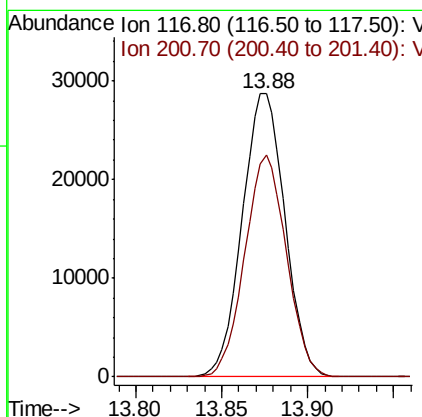
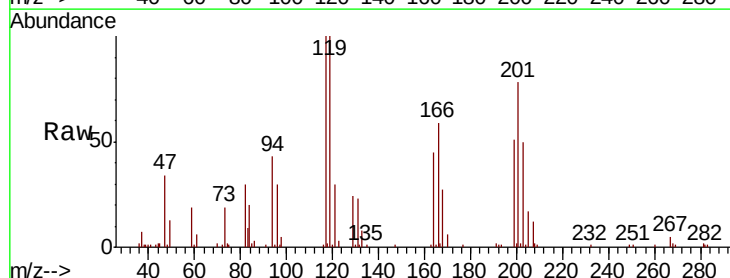
RT: 13.88 min Scan# 3764

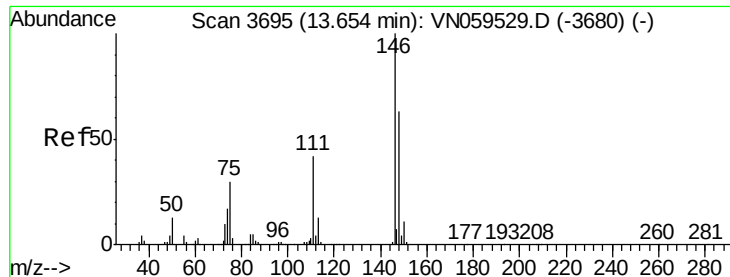
Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Tgt Ion:	117	Resp:	49575
Ion Ratio	Lower	Upper	
117	100		
201	76.5	40.5	121.5





#91

1,2-Dichlorobenzene

Concen: 19.395 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Instrument :

MSVOA_N

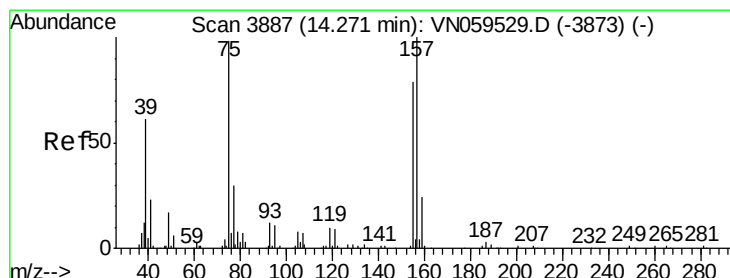
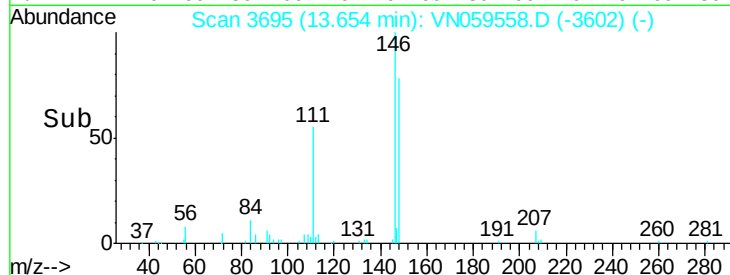
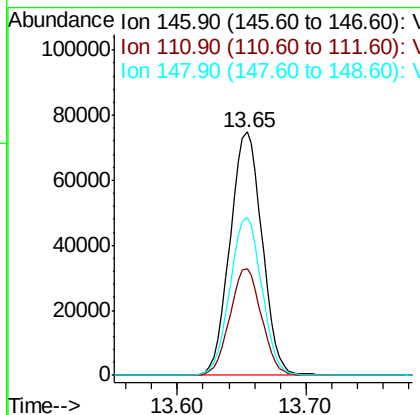
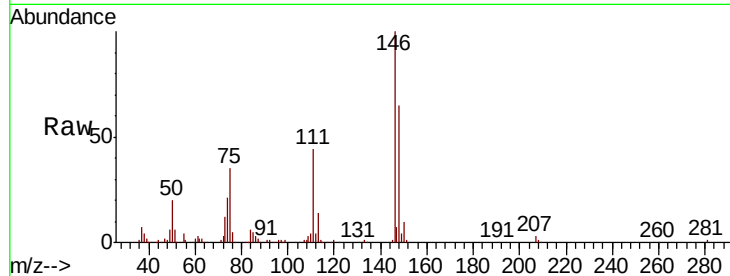
ClientSampleId :

VN1211MBS01

Tot Ion:	146	Resp:	129223
Ion Ratio		Lower	Upper
146	100		
111	43.3	20.9	62.7
148	64.5	31.6	94.8

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.015 ug/l

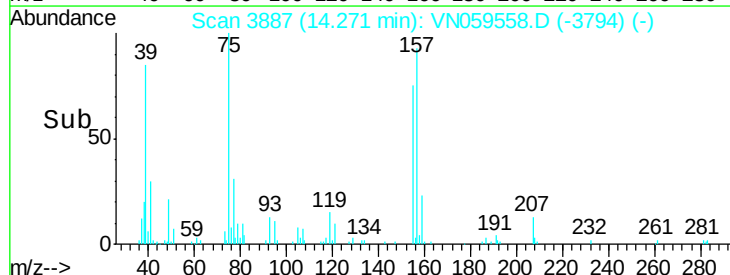
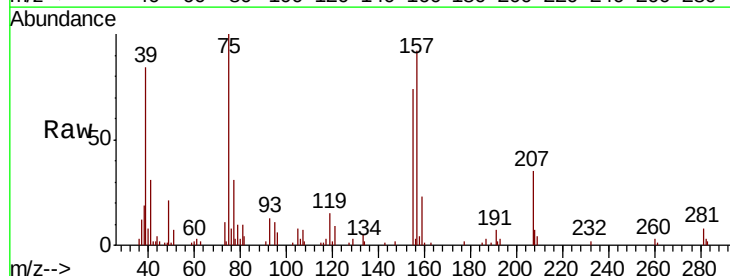
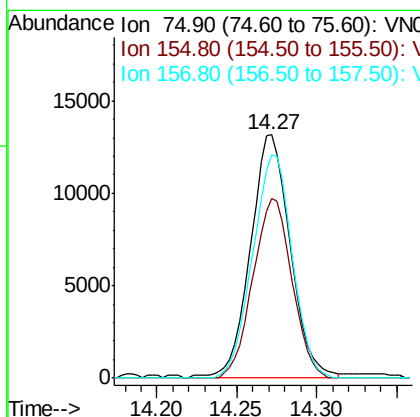
RT: 14.27 min Scan# 3887

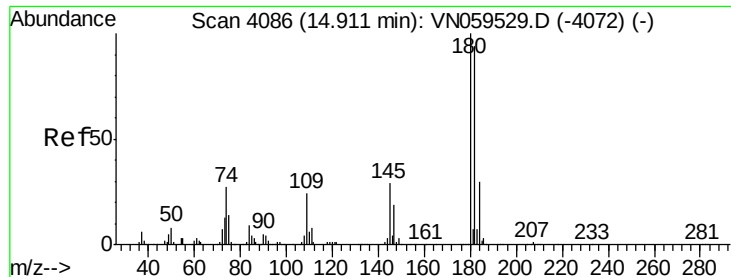
Delta R.T. 0.00 min

Lab File: VN059558.D

Acq: 11 Dec 2019 13:43

Tgt Ion:	75	Resp:	22513
Ion Ratio		Lower	Upper
75	100		
155	72.1	40.4	121.1
157	91.2	51.1	153.3





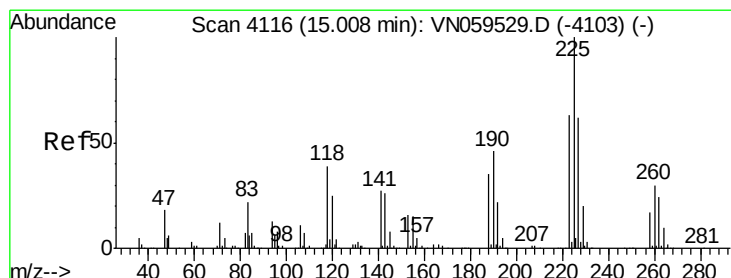
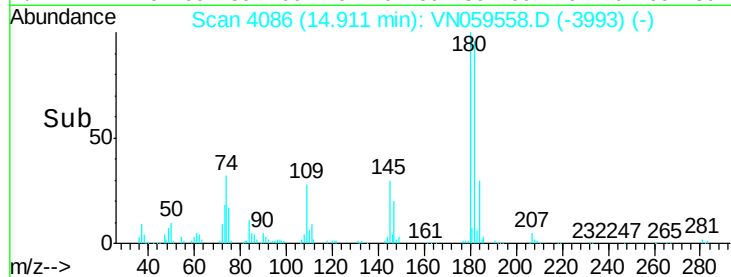
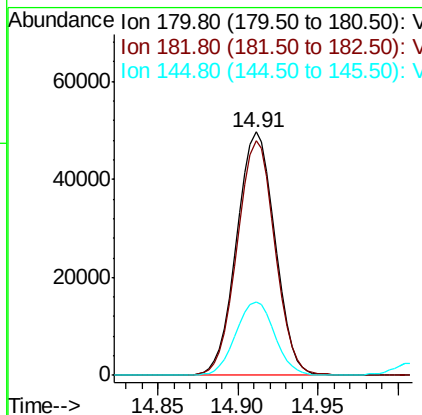
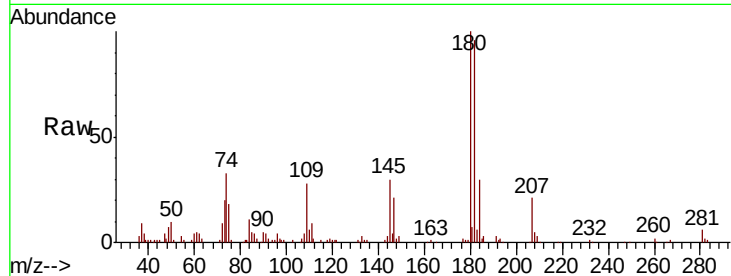
#93
1,2,4-Trichlorobenzene
Concen: 17.588 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	142.0
145	30.7	14.9	44.7

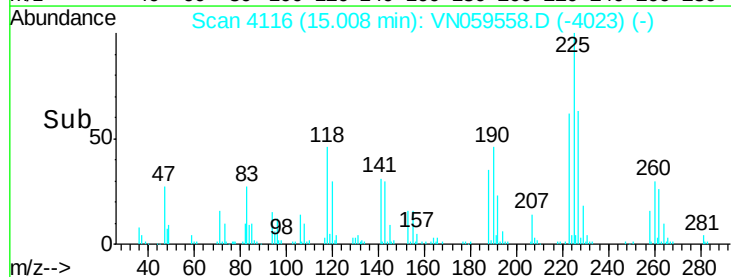
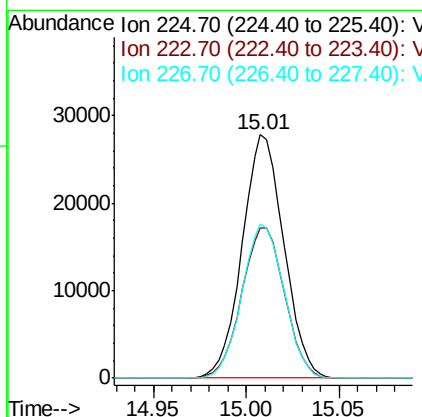
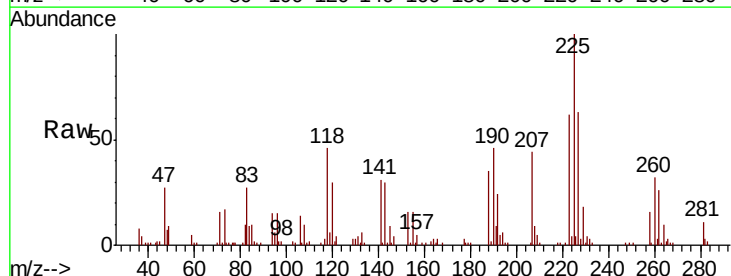
Manual Integrations
APPROVED

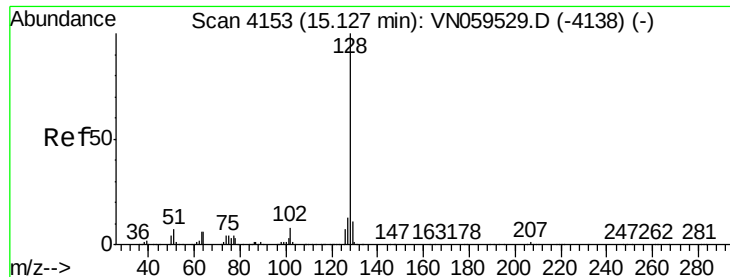
apatel
12/12/2019 9:25:32 AM



#94
Hexachlorobutadiene
Concen: 18.423 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.3	93.9
227	63.7	31.6	95.0





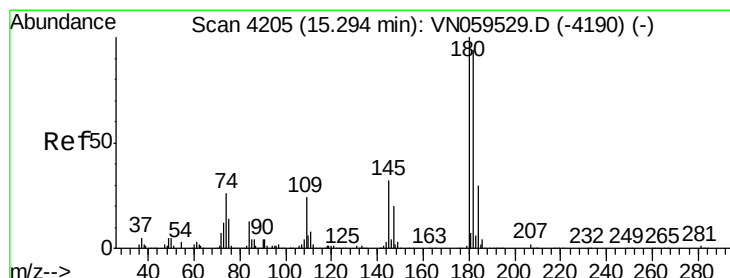
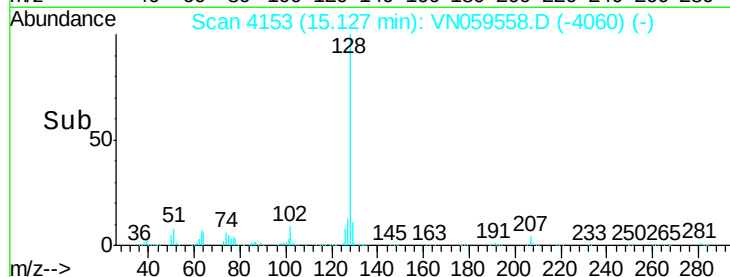
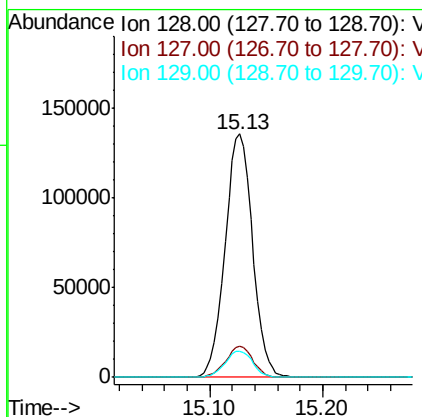
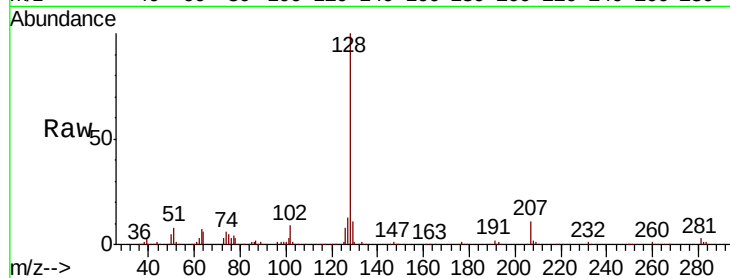
#95
Naphthalene
Concen: 17.060 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
VN1211MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.9	8.6	13.0

Manual Integrations
APPROVED

apatel
12/12/2019 9:25:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.218 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059558.D
Acq: 11 Dec 2019 13:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.1	141.4
145	33.1	15.8	47.4

