

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121919\
 Data File : VN059673.D
 Acq On : 19 Dec 2019 17:26
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
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apatel
 12/20/2019 9:20:40 AM

Quant Time: Dec 20 03:32:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	318872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	467010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	386019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	195993	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	195297	42.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.18%	
35) Dibromofluoromethane	7.56	113	151792	51.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.90%	
50) Toluene-d8	10.08	98	615430	53.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.40%	
62) 4-Bromofluorobenzene	12.40	95	226137	53.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	170100	41.282	ug/l	99
3) Chloromethane	2.04	50	191219	29.244	ug/l	99
4) Vinyl Chloride	2.17	62	186330	30.050	ug/l	99
5) Bromomethane	2.54	94	137162	38.050	ug/l	99
6) Chloroethane	2.68	64	130158	37.348	ug/l	97
7) Trichlorofluoromethane	3.00	101	257618	37.866	ug/l	99
8) Diethyl Ether	3.38	74	95006	44.694	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	169910	49.558	ug/l	98
10) Methyl Iodide	3.92	142	238368	52.517	ug/l	95
11) Tert butyl alcohol	4.75	59	175032	205.757	ug/l	98
12) 1,1-Dichloroethene	3.71	96	169985	50.825	ug/l	99
13) Acrolein	3.58	56	147996	244.233	ug/l	98
14) Allyl chloride	4.29	41	301109	43.856	ug/l #	87
15) Acrylonitrile	4.94	53	480414	233.475	ug/l	99
16) Acetone	3.78	43	493021	178.965	ug/l	96
17) Carbon Disulfide	4.02	76	529644	46.168	ug/l	99
18) Methyl Acetate	4.29	43	251734	43.609	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	525248	44.479	ug/l	100
20) Methylene Chloride	4.51	84	185701	46.674	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	161997	43.449	ug/l	97
22) Diisopropyl ether	5.91	45	669642	52.903	ug/l	97
23) Vinyl Acetate	5.86	43	2786486	280.515	ug/l	100
24) 1,1-Dichloroethane	5.82	63	368119	51.340	ug/l	99
25) 2-Butanone	6.80	43	745138	226.193	ug/l	98
26) 2,2-Dichloropropane	6.79	77	297730	45.687	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	211367	51.160	ug/l	97
28) Bromochloromethane	7.17	49	150639	49.997	ug/l	99
29) Tetrahydrofuran	7.18	42	501391	249.803	ug/l	99
30) Chloroform	7.35	83	338743	47.995	ug/l	99
31) Cyclohexane	7.63	56	331328	48.905	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	285679	44.897	ug/l	98
36) 1,1-Dichloropropene	7.77	75	260220	53.431	ug/l	99
37) Ethyl Acetate	6.90	43	309680	54.709	ug/l	98
38) Carbon Tetrachloride	7.75	117	246723	48.820	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	267295	48.386	ug/l	98
40) Benzene	8.02	78	795721	55.908	ug/l	99
41) Methacrylonitrile	7.14	41	139882m	59.879	ug/l	
42) 1,2-Dichloroethane	8.10	62	261900	48.050	ug/l	95
43) Isopropyl Acetate	8.14	43	471108	53.532	ug/l	98
44) Trichloroethene	8.81	130	177824	47.699	ug/l	96
45) 1,2-Dichloropropane	9.10	63	189909	49.412	ug/l	100
46) Dibromomethane	9.19	93	112983	44.871	ug/l	93
47) Bromodichloromethane	9.38	83	236812	47.172	ug/l	98
48) Methyl methacrylate	9.18	41	173148	43.365	ug/l #	87
49) 1,4-Dioxane	9.18	88	53740	939.194	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	1472446	280.621	ug/l	95
52) Toluene	10.14	92	470487	53.800	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	257077	44.278	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	349982	57.346	ug/l #	89
55) 1,1,2-Trichloroethane	10.55	97	164780	48.018	ug/l	99
56) Ethyl methacrylate	10.42	69	257044	50.457	ug/l #	86
57) 1,3-Dichloropropane	10.70	76	300144	50.234	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	608004	375.264	ug/l	100
59) 2-Hexanone	10.74	43	905359	218.928	ug/l	92
60) Dibromochloromethane	10.89	129	185673	49.575	ug/l	100
61) 1,2-Dibromoethane	10.99	107	195621	53.751	ug/l	100
64) Tetrachloroethene	10.62	164	173666	48.261	ug/l	97
65) Chlorobenzene	11.43	112	494430	59.195	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	181933	57.346	ug/l	99
67) Ethyl Benzene	11.50	91	884158	58.644	ug/l	99
68) m/p-Xylenes	11.62	106	593364	106.580	ug/l	97
69) o-Xylene	11.94	106	279004	52.669	ug/l	98
70) Styrene	11.96	104	465121	54.648	ug/l	98
71) Bromoform	12.12	173	150979	63.309	ug/l #	98
73) Isopropylbenzene	12.25	105	862455	56.056	ug/l	100
74) N-amyl acetate	12.06	43	399290	56.577	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	272493	55.833	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	268778m	55.396	ug/l	
77) Bromobenzene	12.52	156	211710	55.954	ug/l	97
78) n-propylbenzene	12.59	91	1023954	56.301	ug/l	100
79) 2-Chlorotoluene	12.67	91	605319	55.042	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	727204	55.853	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	112554	57.296	ug/l	92
82) 4-Chlorotoluene	12.77	91	613944	54.524	ug/l	100
83) tert-Butylbenzene	12.99	119	584810	53.038	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	707661	54.661	ug/l	99
85) sec-Butylbenzene	13.17	105	718531	48.989	ug/l	100
86) p-Isopropyltoluene	13.28	119	661083	49.765	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	334204	48.035	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	342517	48.828	ug/l	99
89) n-Butylbenzene	13.61	91	594582	47.741	ug/l	99
90) Hexachloroethane	13.87	117	122275	48.696	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	337595	49.201	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53824	40.622	ug/l	88

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QLast Update : Fri Dec 13 23:17:39 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	201966	45.583	ug/l	98
94) Hexachlorobutadiene	15.00	225	113713	49.197	ug/l	100
95) Naphthalene	15.12	128	555836	42.022	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	188949	42.164	ug/l	98

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

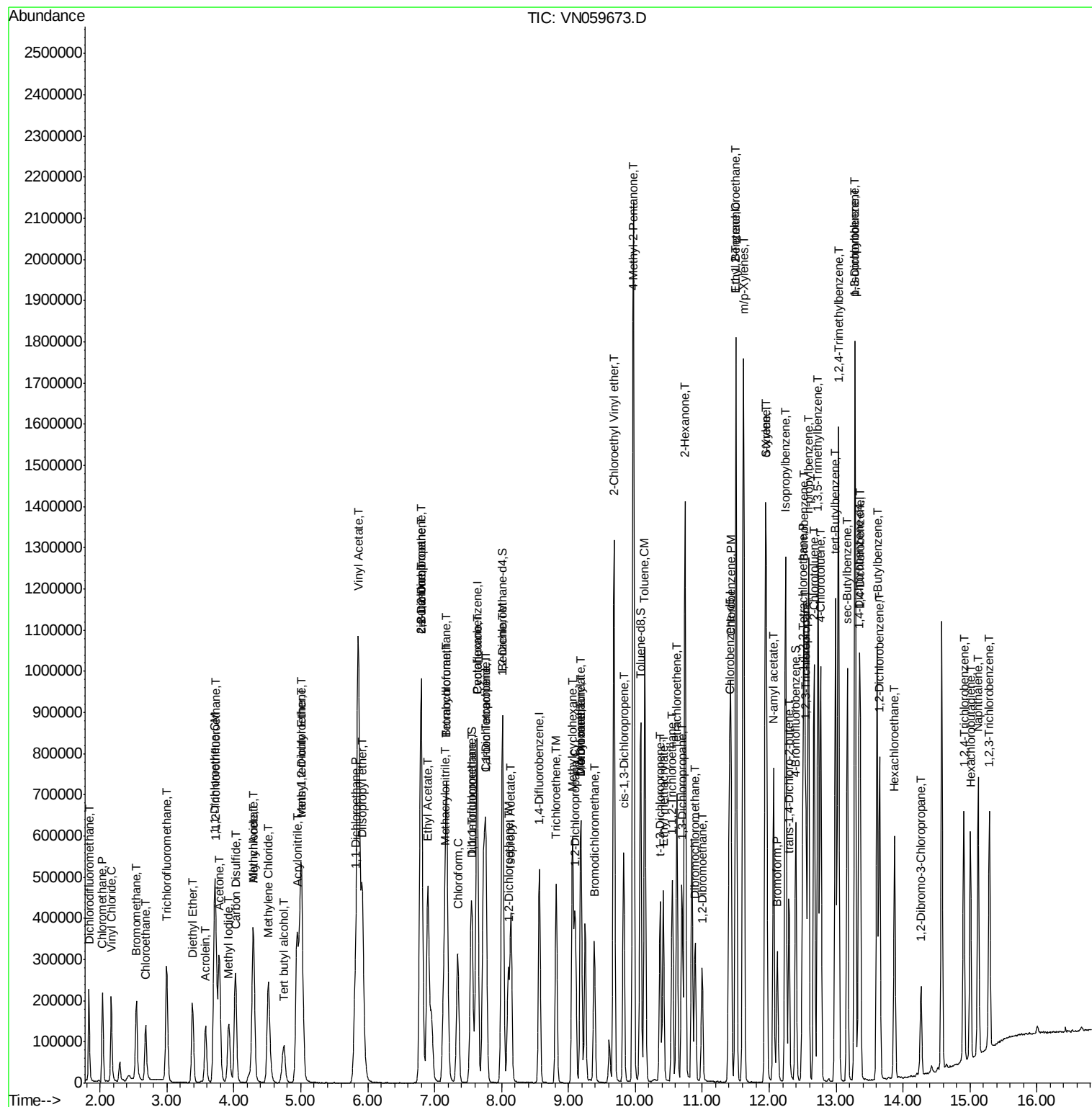
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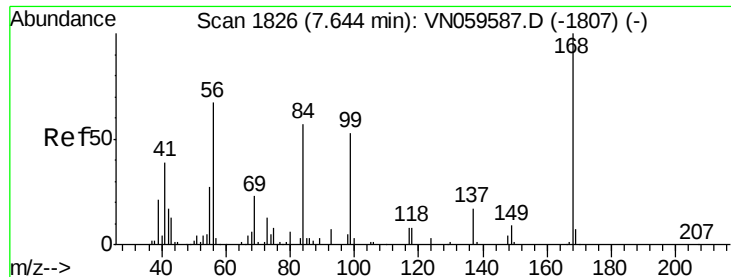
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 318872

Ion Ratio Lower Upper

168 100

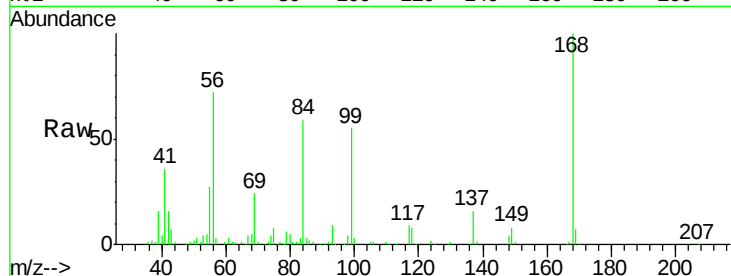
99 55.3 48.2 72.4

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

150000

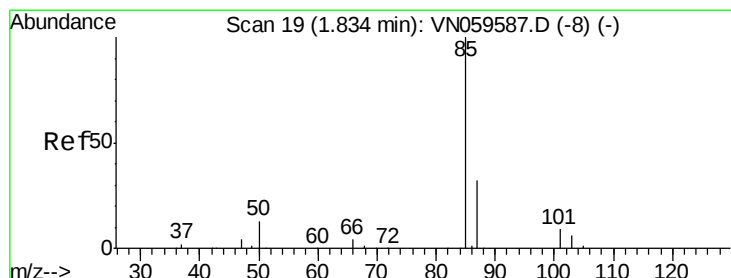
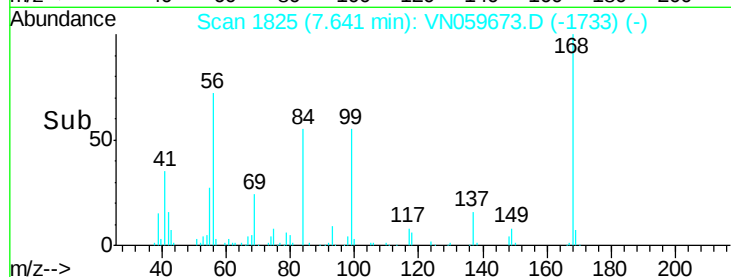
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 41.282 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059673.D

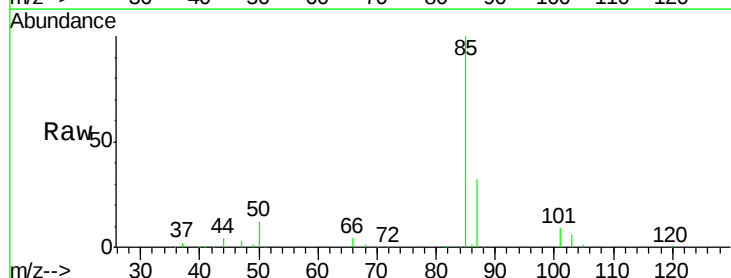
Acq: 19 Dec 2019 17:26

Tgt Ion: 85 Resp: 170100

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

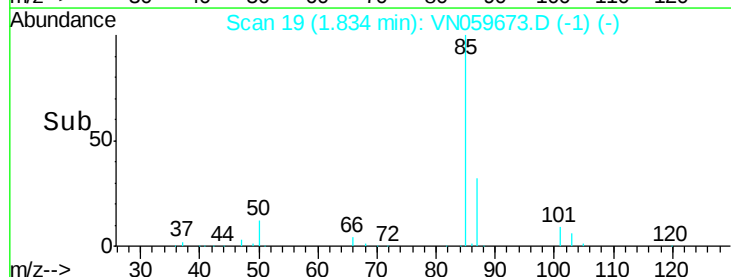
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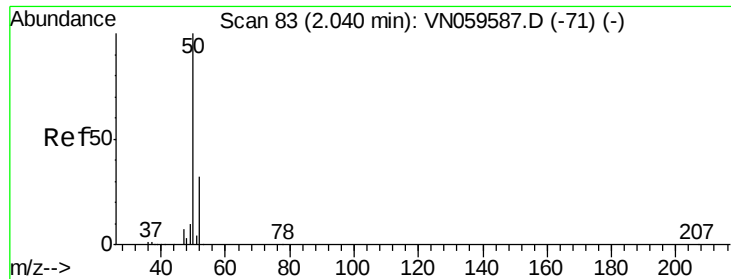
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 29.244 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 191219

Ion Ratio Lower Upper

50 100

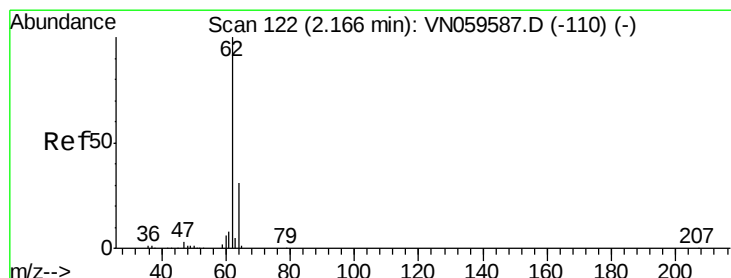
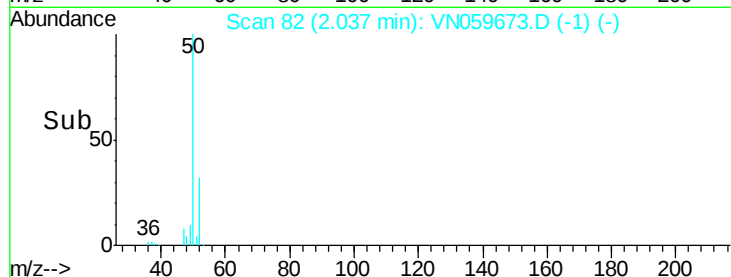
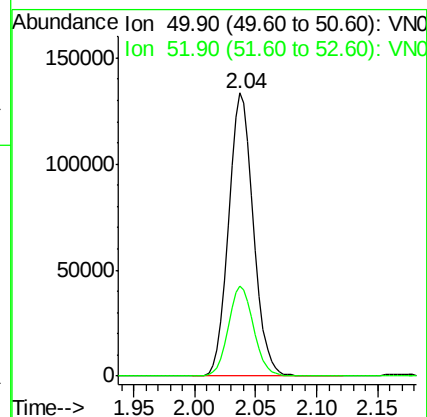
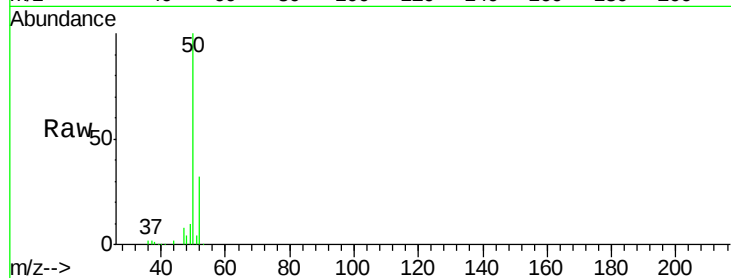
52 31.9 25.9 38.9

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#4

Vinyl Chloride

Concen: 30.050 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059673.D

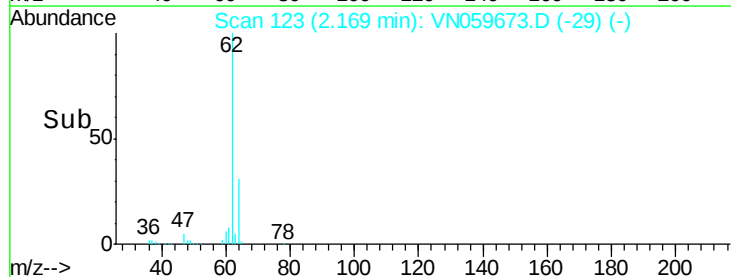
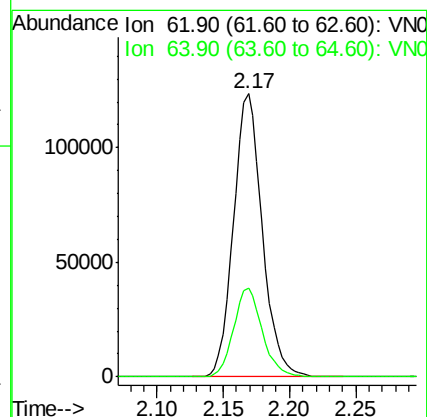
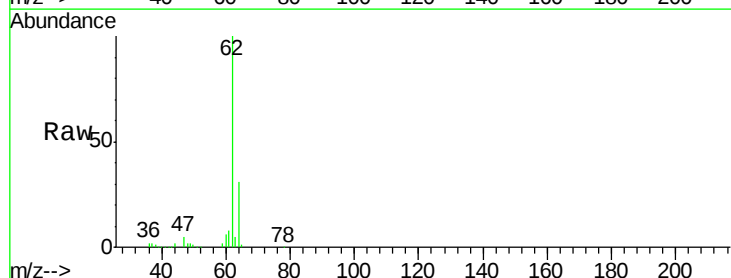
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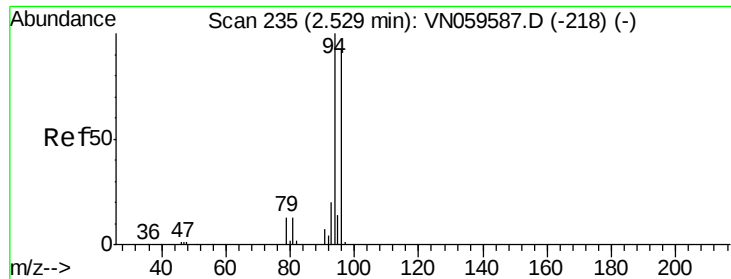
Tgt Ion: 62 Resp: 186330

Ion Ratio Lower Upper

62 100

64 31.4 24.6 37.0





#5

Bromomethane

Concen: 38.050 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 137162

Ion Ratio Lower Upper

94 100

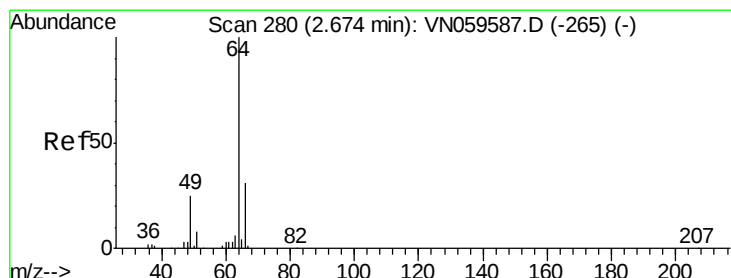
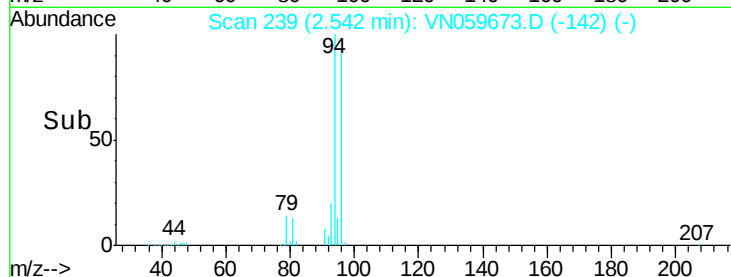
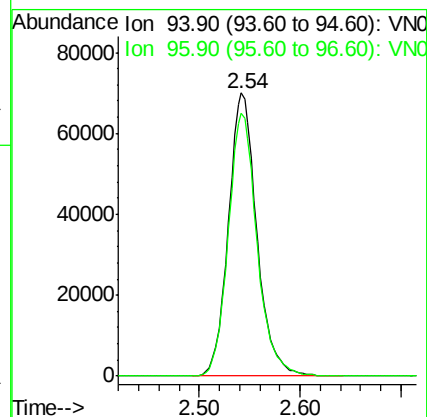
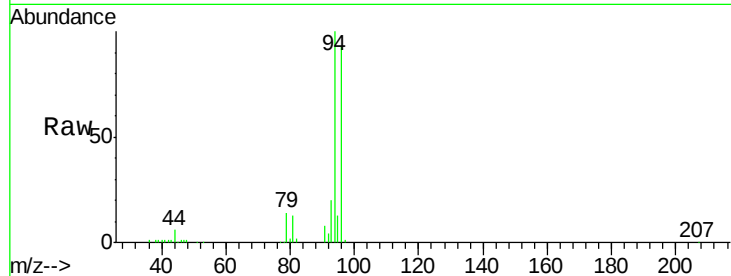
96 92.9 74.7 112.1

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#6

Chloroethane

Concen: 37.348 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN059673.D

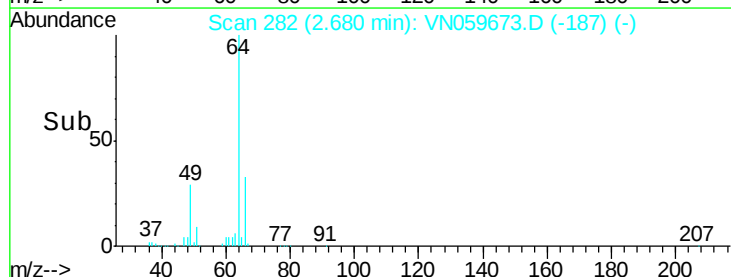
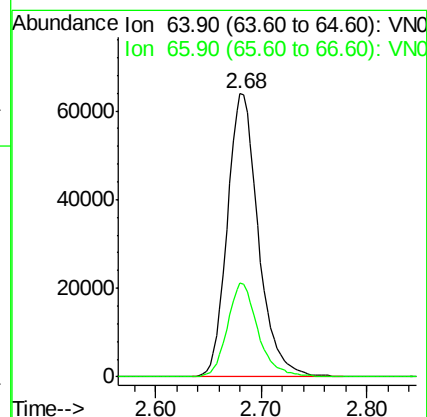
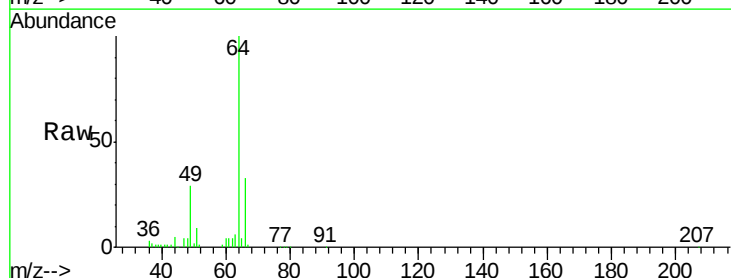
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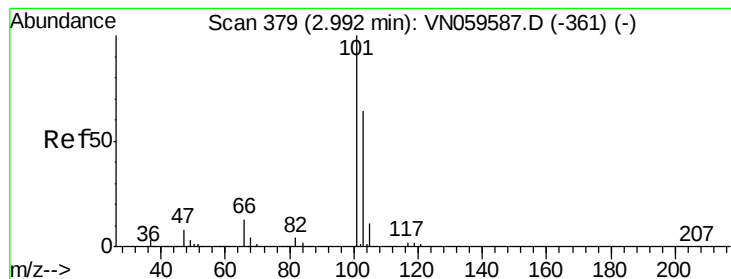
Tgt Ion: 64 Resp: 130158

Ion Ratio Lower Upper

64 100

66 33.1 25.1 37.7





#7

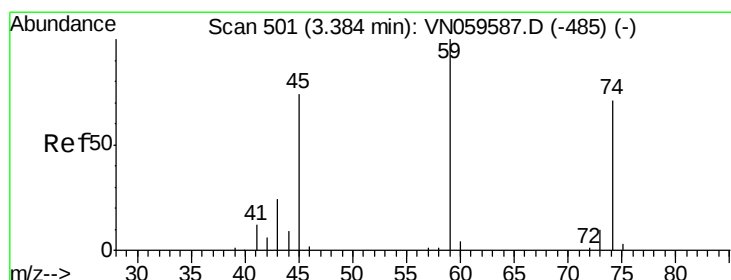
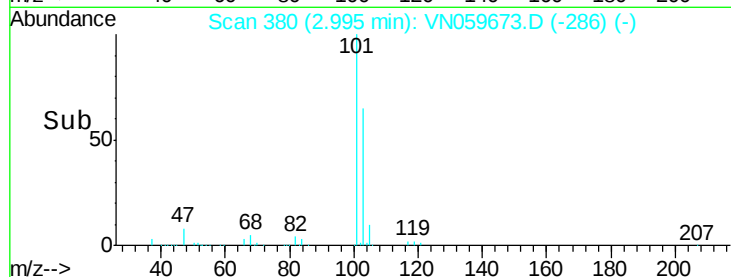
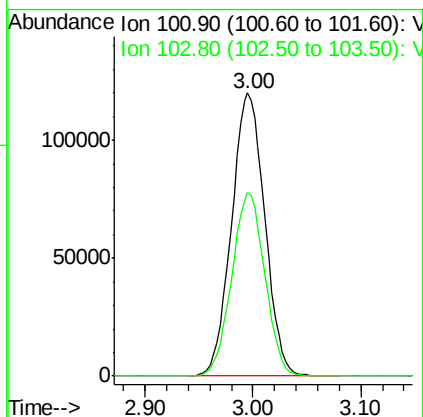
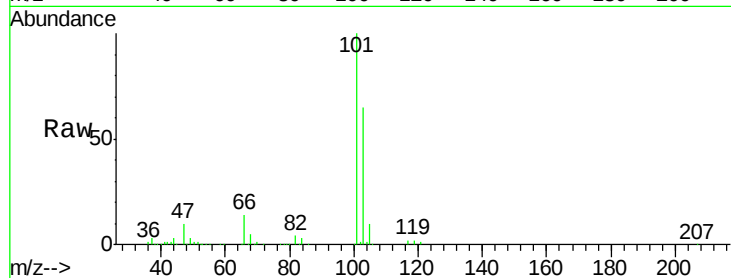
Trichlorofluoromethane
Concen: 37.866 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	257618		
103	64.7	51.0	76.6	

Manual Integrations
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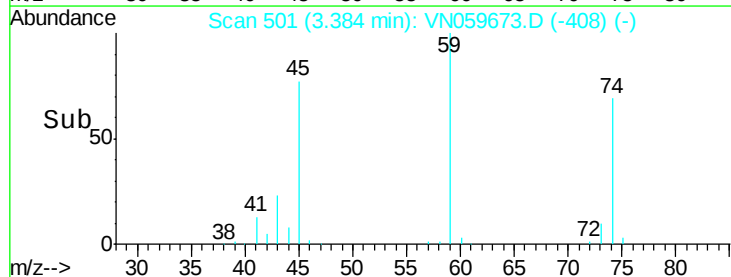
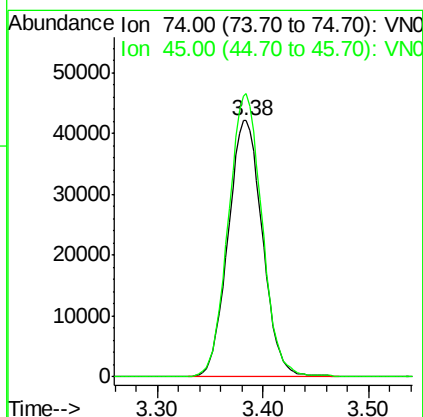
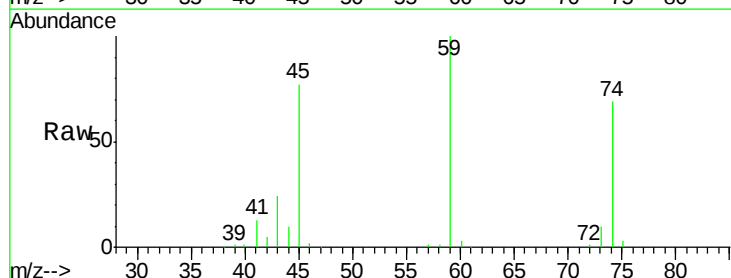
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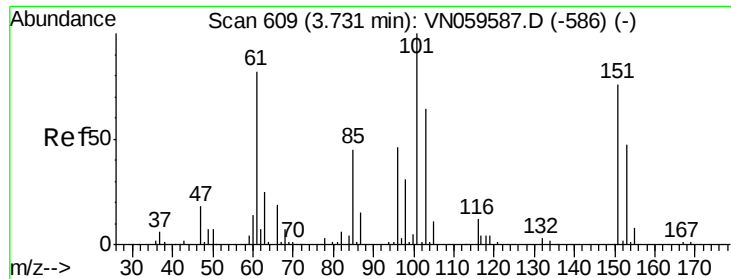


#8

Diethyl Ether
Concen: 44.694 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	95006		
45	108.6	51.9	155.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.558 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

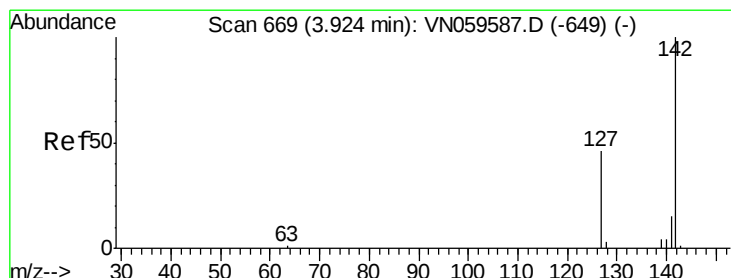
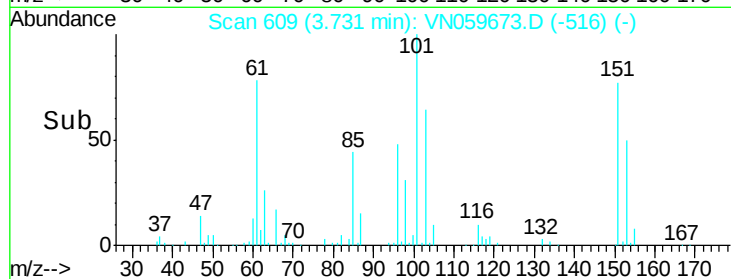
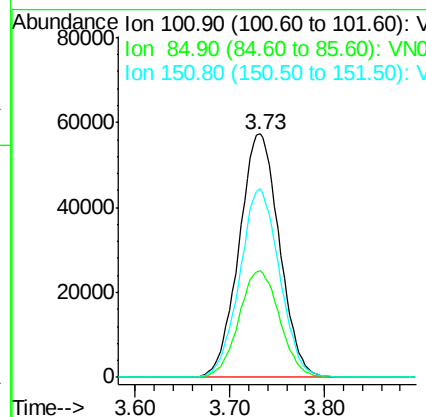
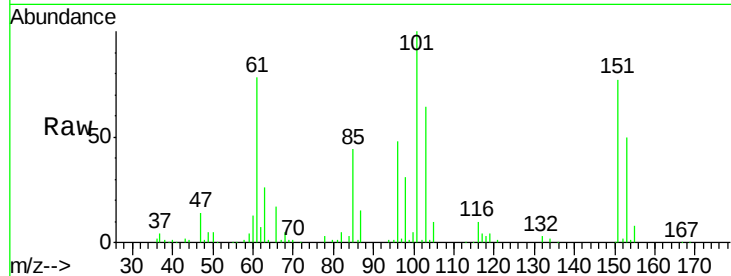
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	169910
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.6	54.8
151	76.5	59.7	89.5

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#10

Methyl Iodide

Concen: 52.517 ug/l

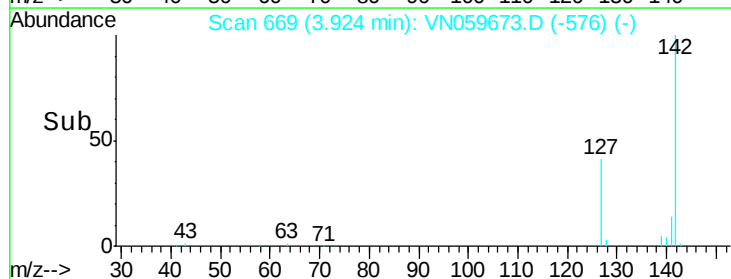
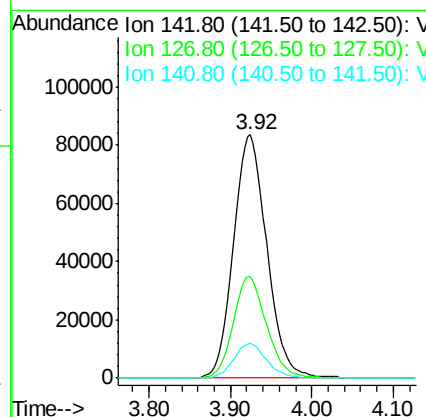
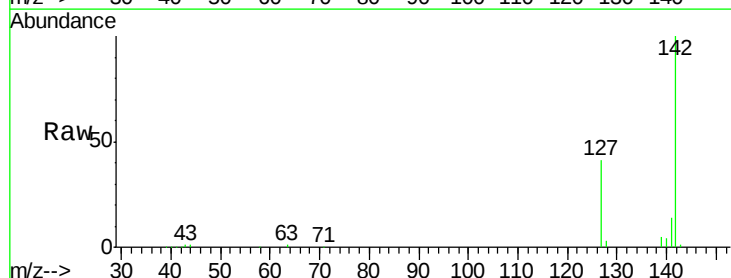
RT: 3.92 min Scan# 669

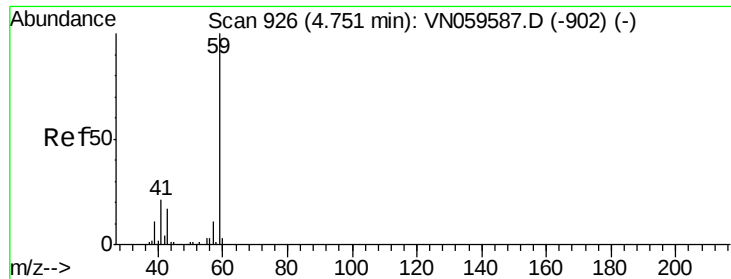
Delta R.T. 0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Tgt Ion:	142	Resp:	238368
Ion Ratio	Lower	Upper	
142	100		
127	41.8	36.7	55.1
141	14.0	11.7	17.5





#11

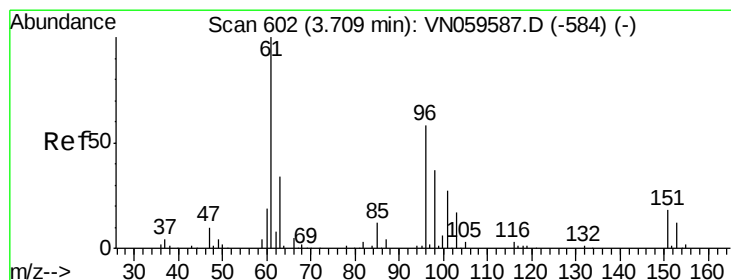
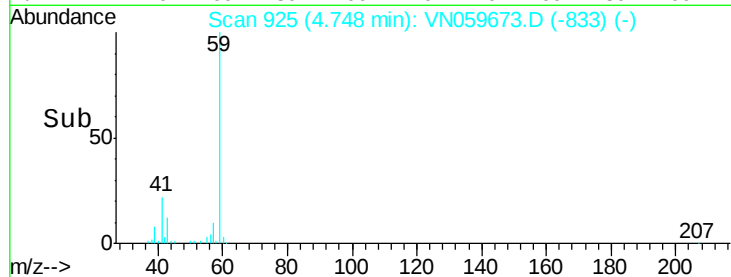
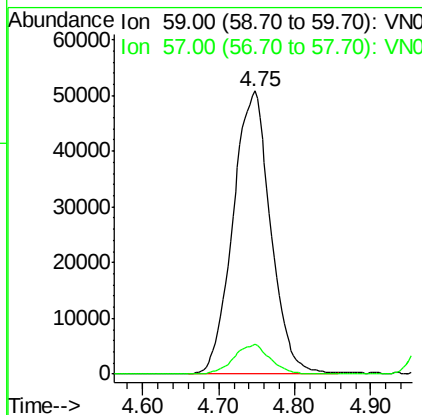
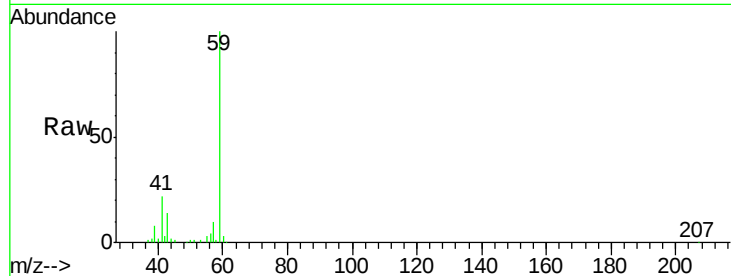
Tert butyl alcohol
Concen: 205.757 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.6	12.8

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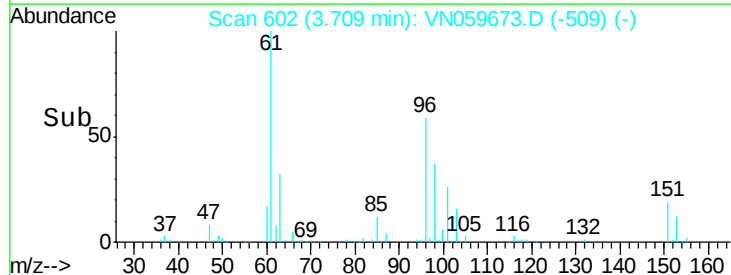
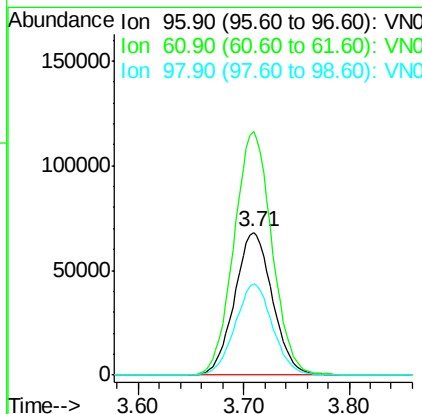
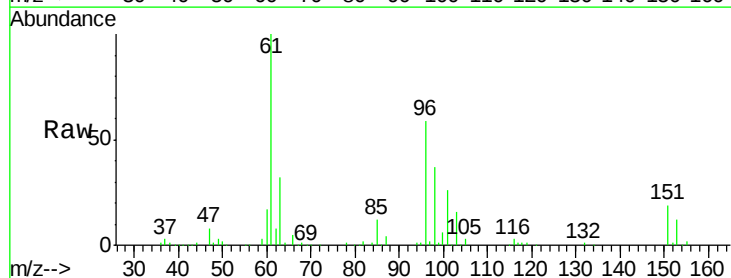
apatel
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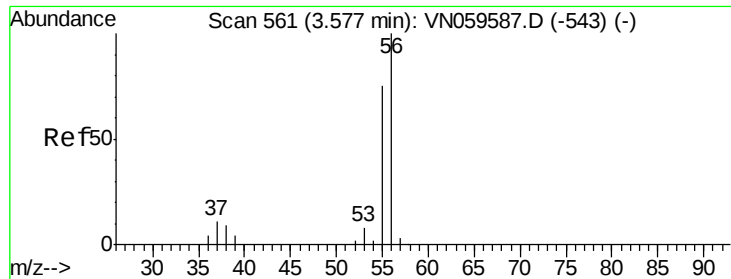


#12

1,1-Dichloroethene
Concen: 50.825 ug/l
RT: 3.71 min Scan# 602
Delta R.T. 0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.6	137.5	206.3
98	63.9	50.2	75.4





#13

Acrolein

Concen: 244.233 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 147996

Ion Ratio Lower Upper

56 100

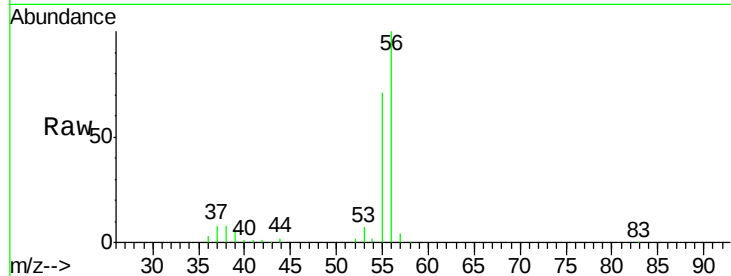
55 71.3 58.6 88.0

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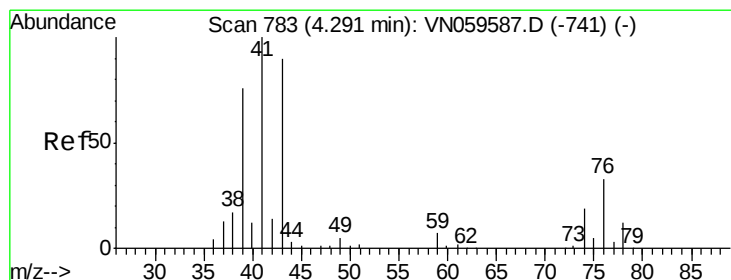
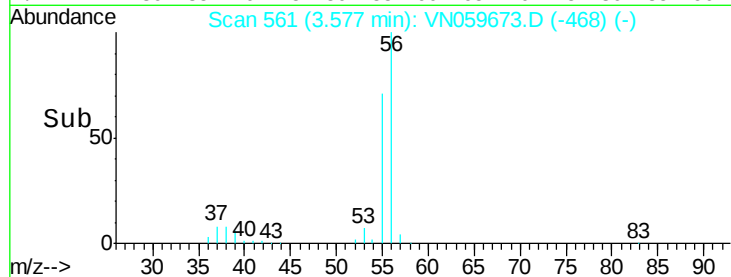
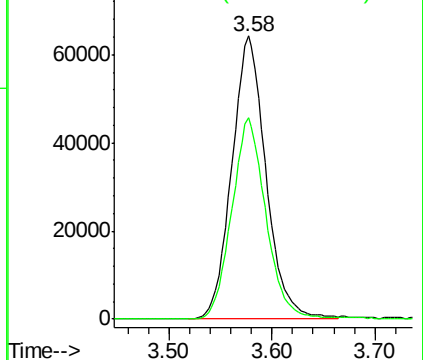
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 43.856 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

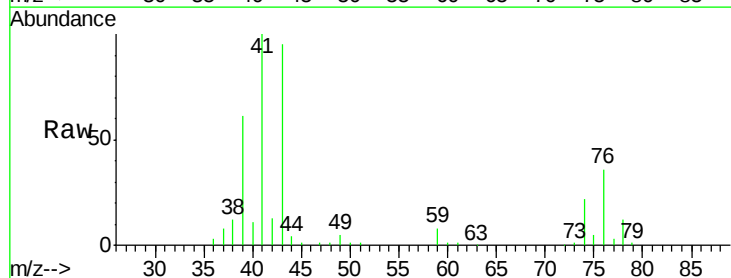
Tgt Ion: 41 Resp: 301109

Ion Ratio Lower Upper

41 100

39 56.8 57.8 86.8#

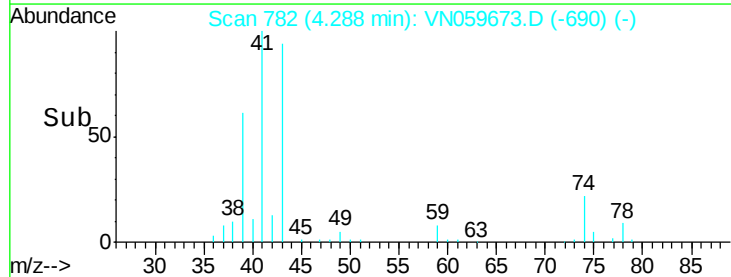
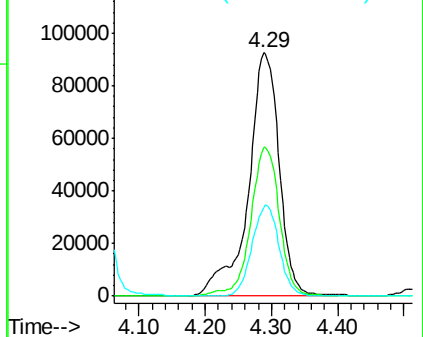
76 32.6 25.4 38.0

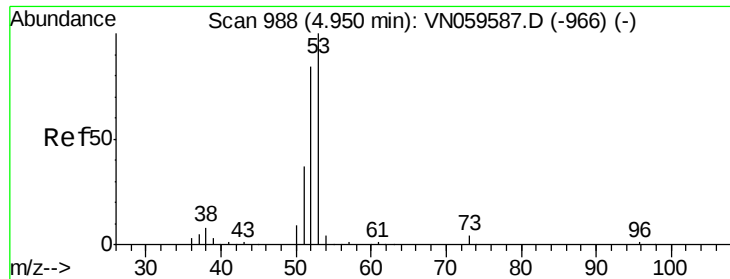


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 233.475 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.01 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

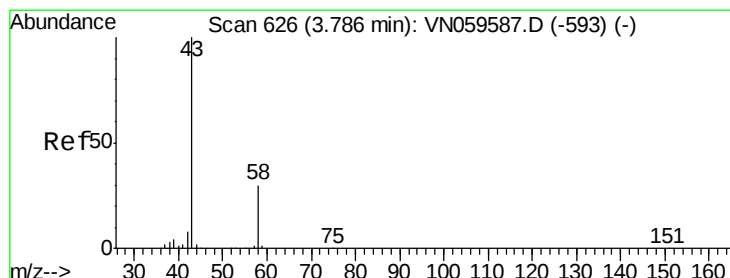
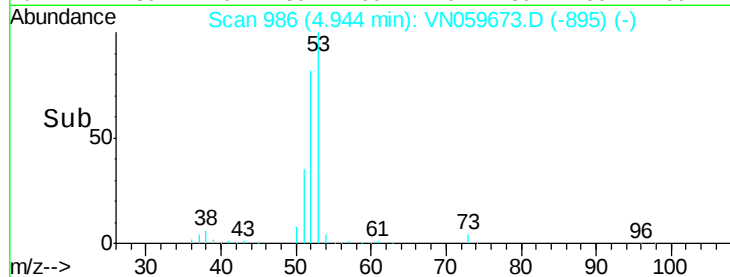
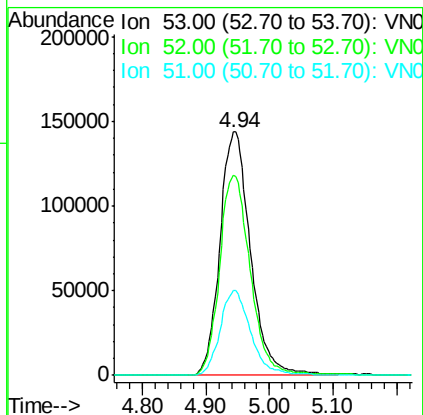
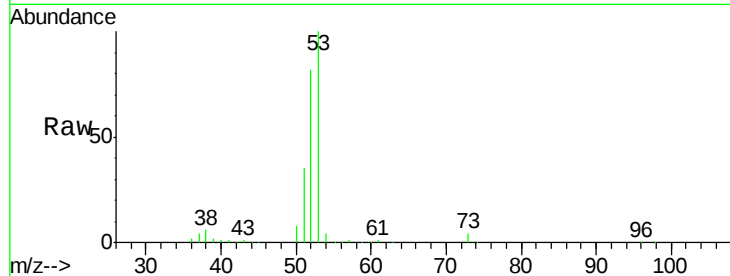
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	480414
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.3	99.5
51	35.2	29.7	44.5

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#16

Acetone

Concen: 178.965 ug/l

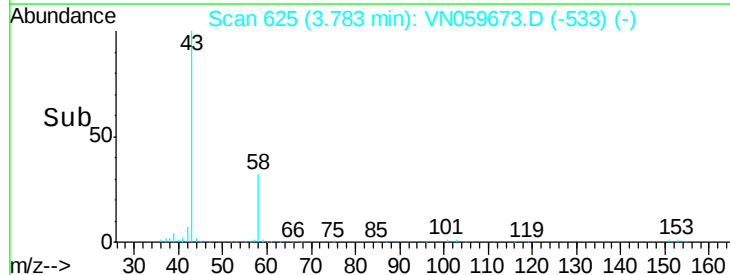
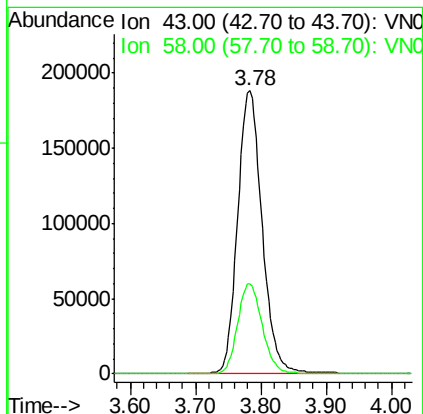
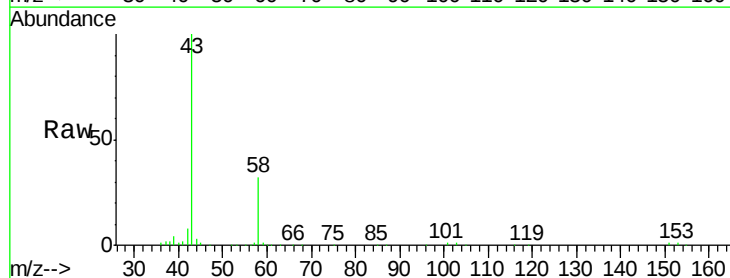
RT: 3.78 min Scan# 625

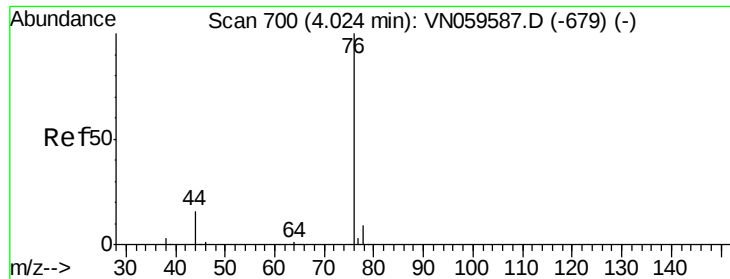
Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Tgt Ion:	43	Resp:	493021
Ion Ratio	Lower	Upper	
43	100		
58	31.9	23.6	35.4





#17

Carbon Disulfide

Concen: 46.168 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 529644

Ion Ratio Lower Upper

76 100

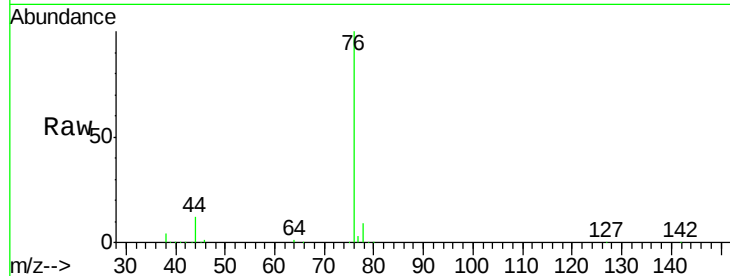
78 8.9 7.4 11.0

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.02

200000

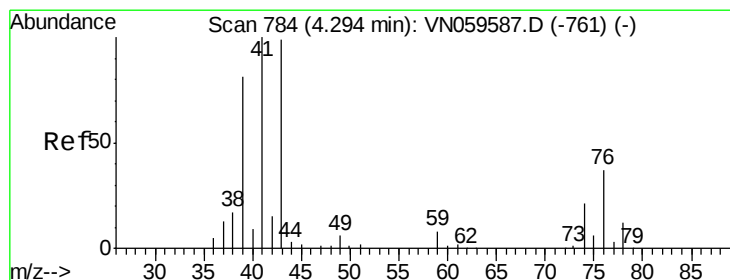
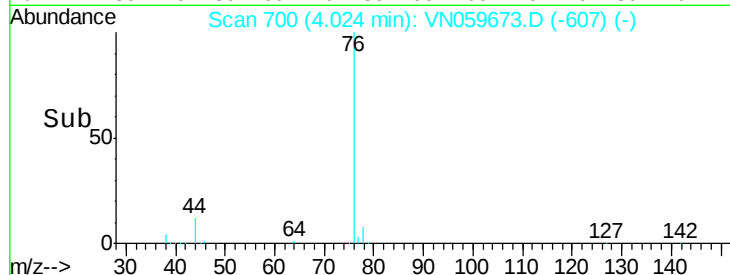
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 43.609 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.01 min

Lab File: VN059673.D

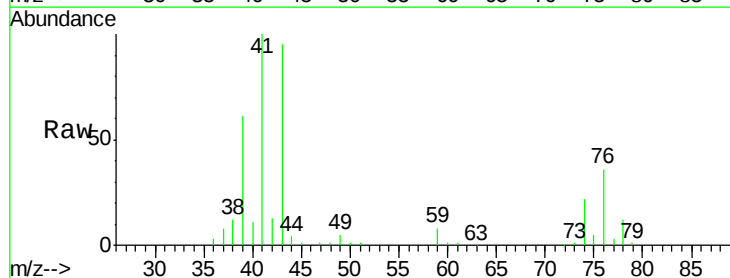
Acq: 19 Dec 2019 17:26

Tgt Ion: 43 Resp: 251734

Ion Ratio Lower Upper

43 100

74 23.1 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.29

100000

80000

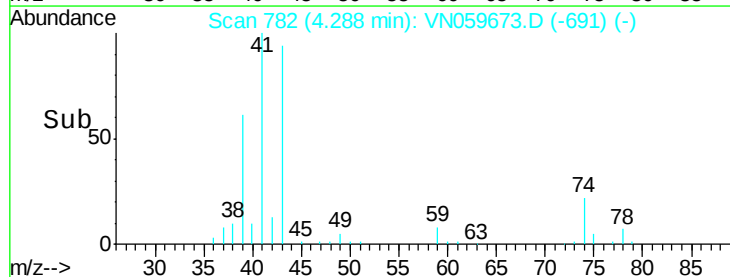
60000

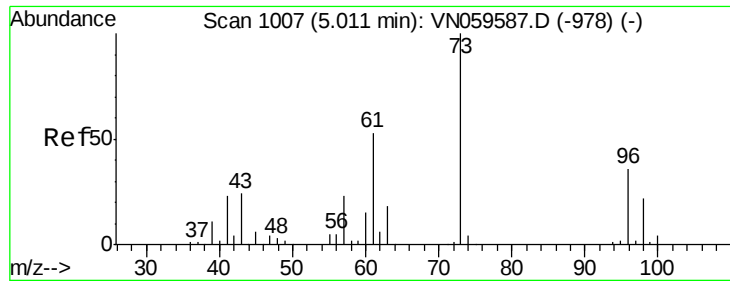
40000

20000

0

Time-->





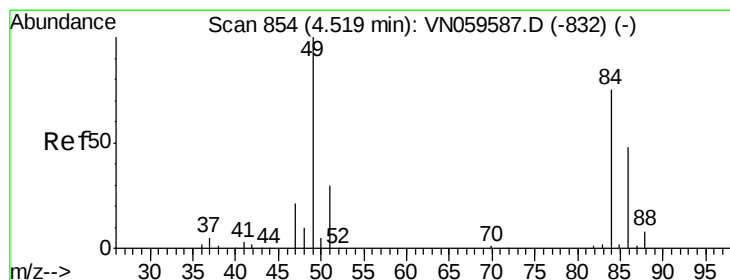
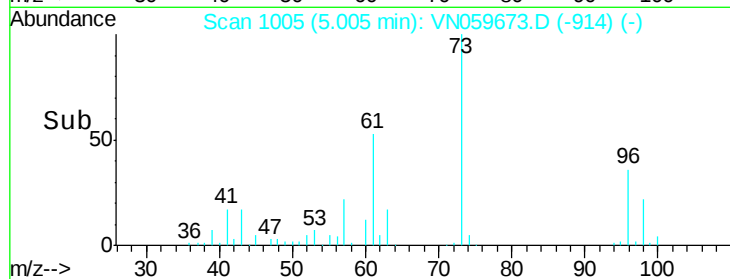
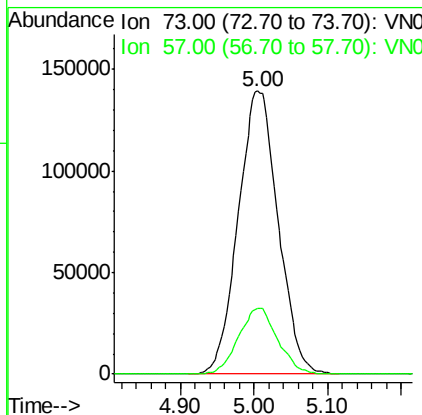
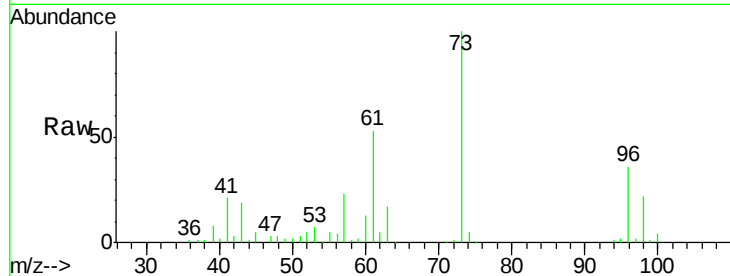
#19
Methvl tert-butvl Ether
Concen: 44.479 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 525248
Ion Ratio Lower Upper
73 100
57 23.1 18.6 27.8

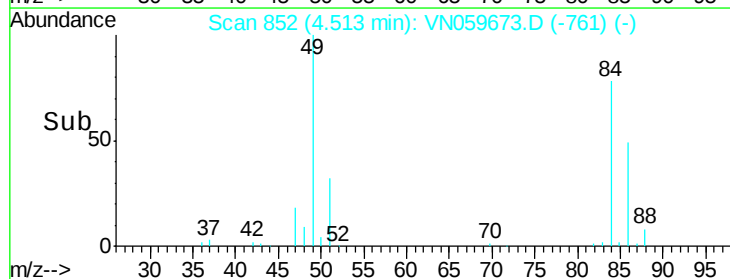
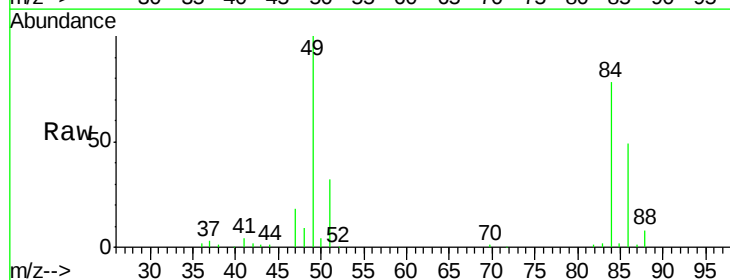
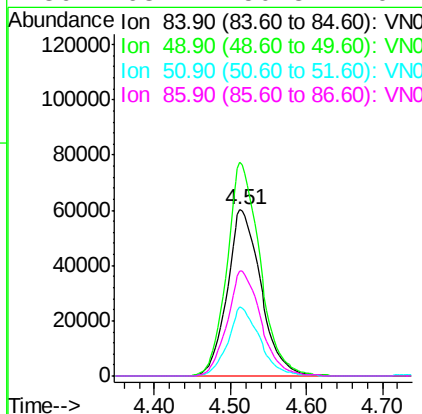
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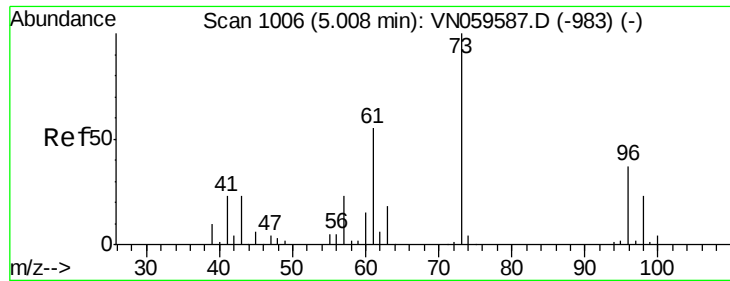
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#20
Methylene Chloride
Concen: 46.674 ug/l
RT: 4.51 min Scan# 852
Delta R.T. -0.01 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Tgt Ion: 84 Resp: 185701
Ion Ratio Lower Upper
84 100
49 128.6 106.6 160.0
51 41.4 31.9 47.9
86 63.1 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 43.449 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

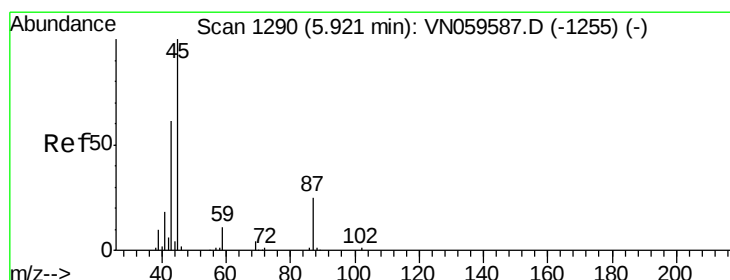
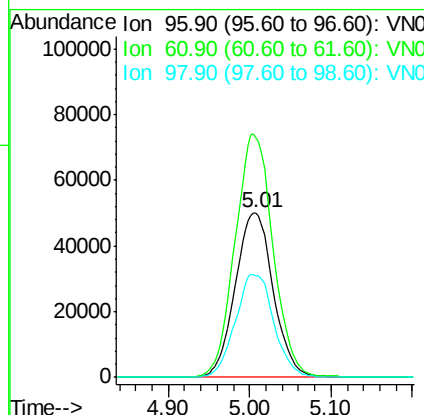
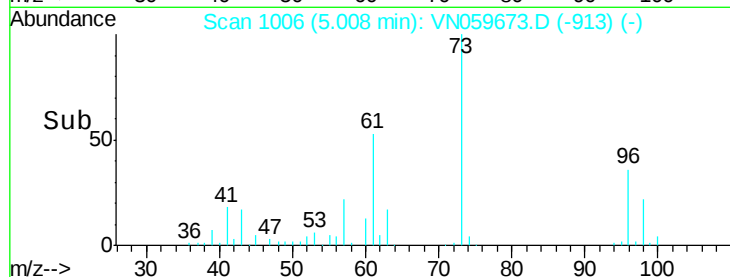
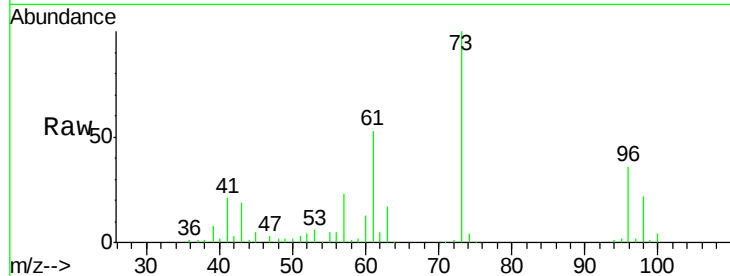
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	161997
Ion	Ratio	Lower	Upper
96	100		
61	146.2	120.4	180.6
98	62.0	50.6	75.8

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#22

Diisopropyl ether

Concen: 52.903 ug/l

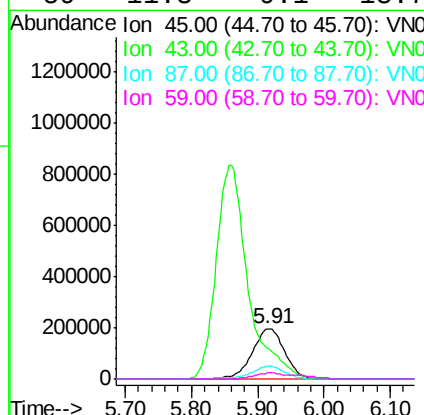
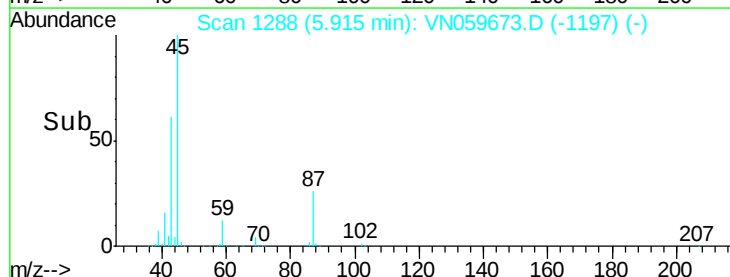
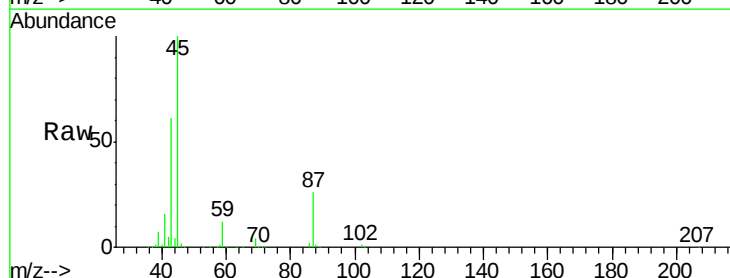
RT: 5.91 min Scan# 1288

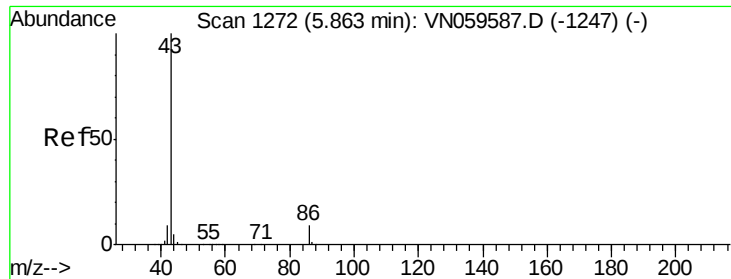
Delta R.T. -0.01 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Tgt Ion:	45	Resp:	669642
Ion	Ratio	Lower	Upper
45	100		
43	59.8	50.8	76.2
87	25.6	21.0	31.6
59	11.3	9.1	13.7





#23

Vinyl Acetate

Concen: 280.515 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2786486

Ion Ratio Lower Upper

43 100

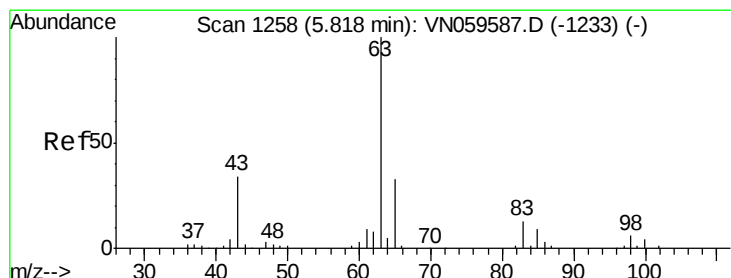
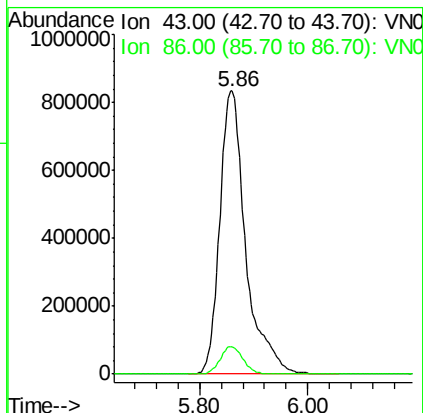
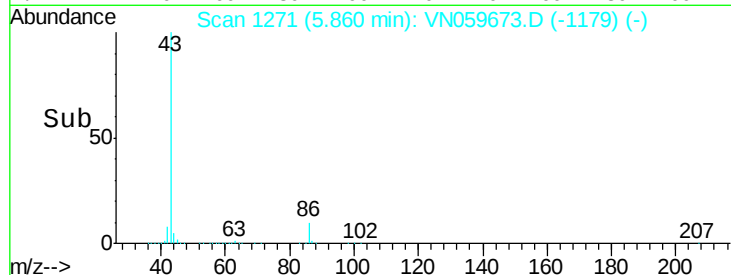
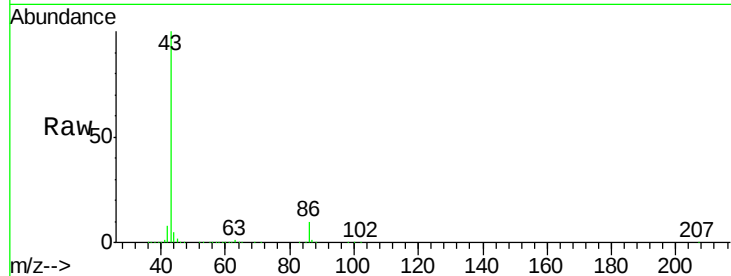
86 9.7 7.6 11.4

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#24

1,1-Dichloroethane

Concen: 51.340 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

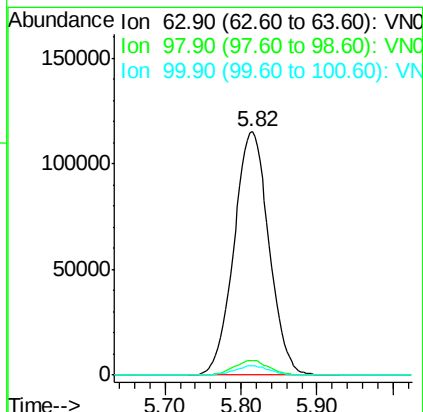
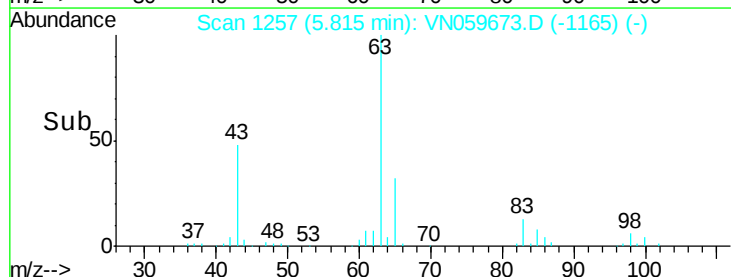
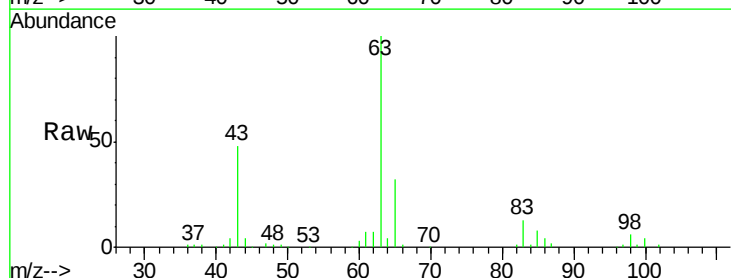
Tgt Ion: 63 Resp: 368119

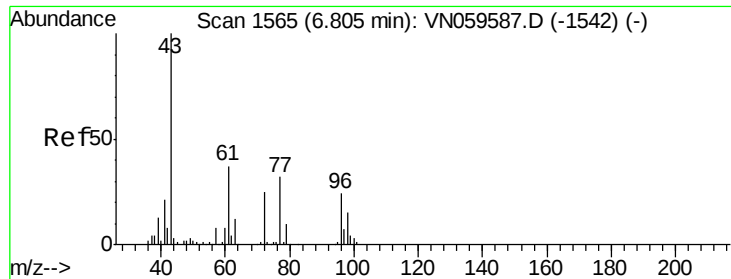
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 226.193 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 745138

Ion Ratio Lower Upper

43 100

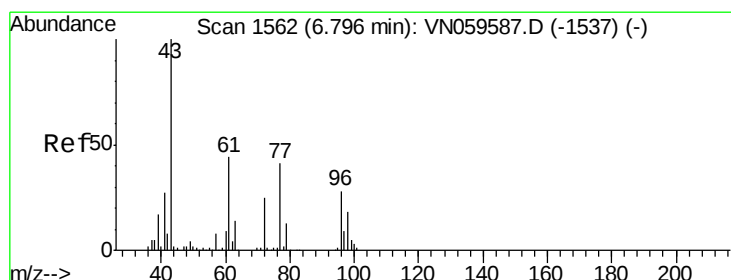
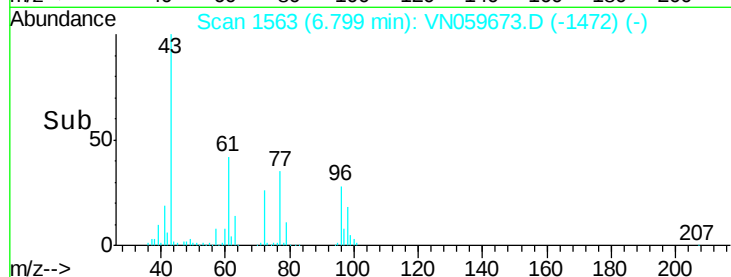
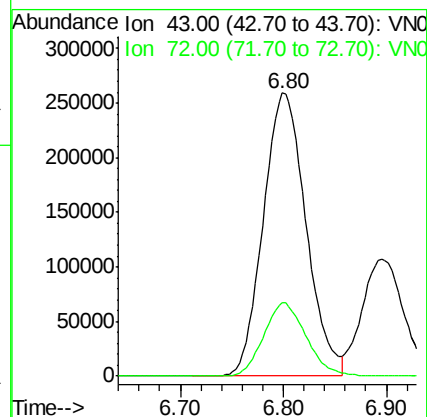
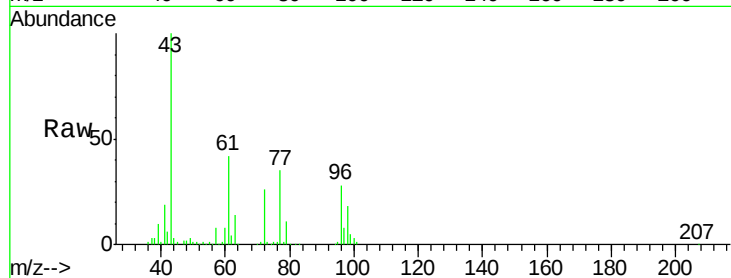
72 25.9 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.687 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059673.D

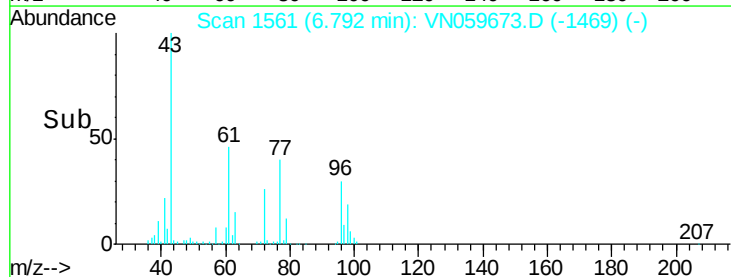
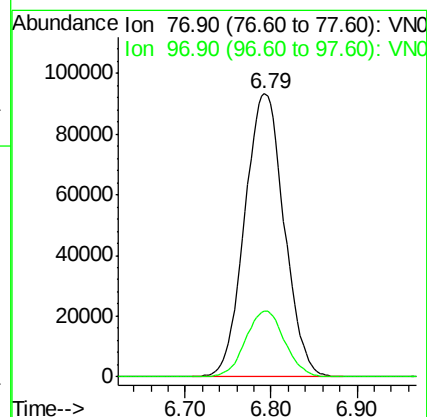
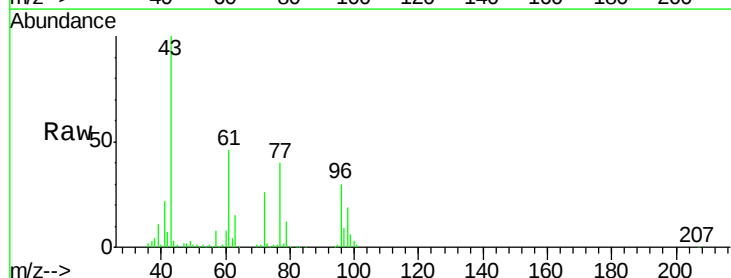
Acq: 19 Dec 2019 17:26

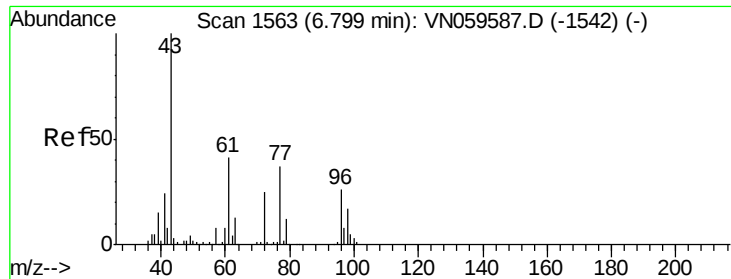
Tgt Ion: 77 Resp: 297730

Ion Ratio Lower Upper

77 100

97 23.0 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 51.160 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

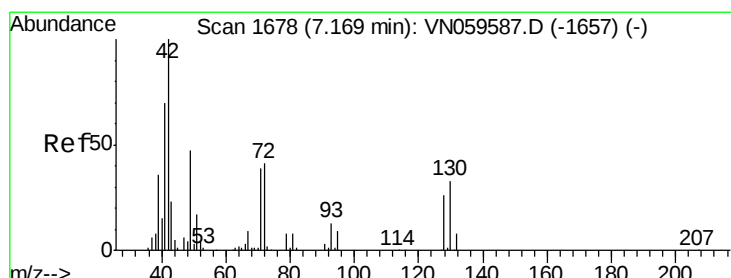
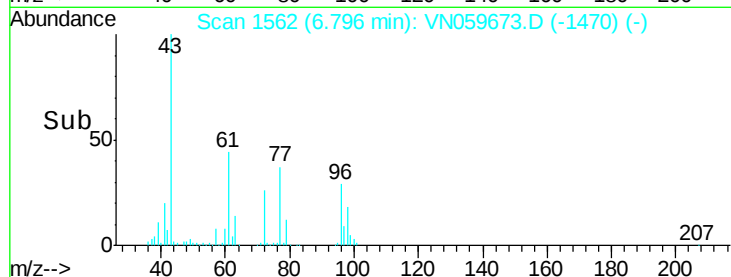
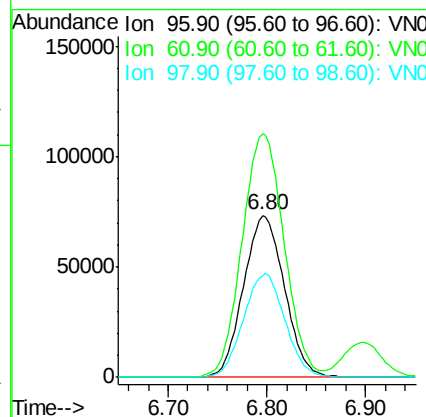
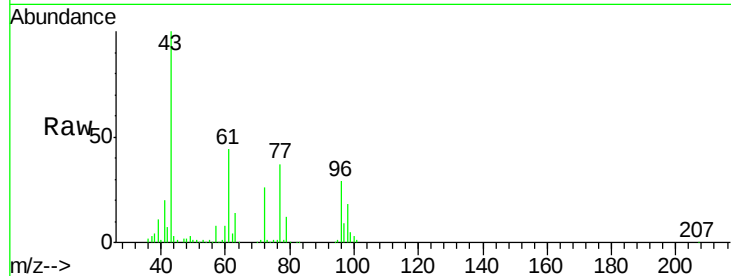
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	211367
Ion	Ratio	Lower	Upper
96	100		
61	154.3	0.0	317.6
98	64.8	0.0	127.0

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#28

Bromochloromethane

Concen: 49.997 ug/l

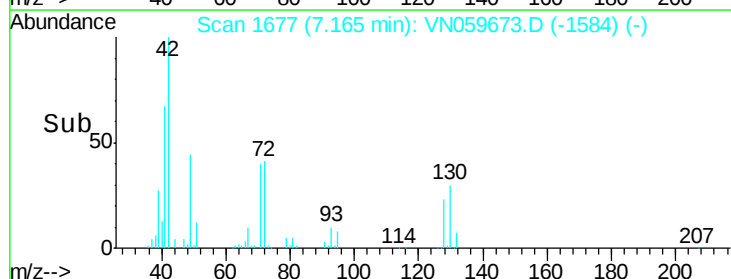
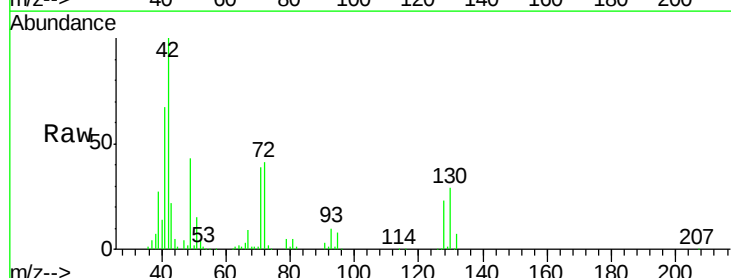
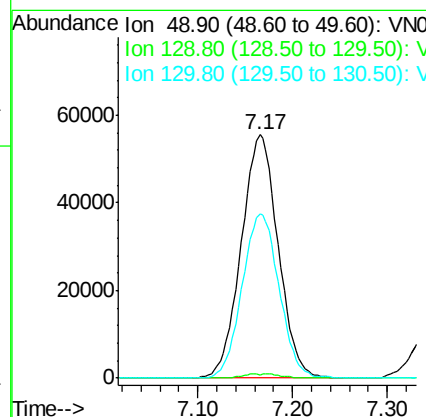
RT: 7.17 min Scan# 1677

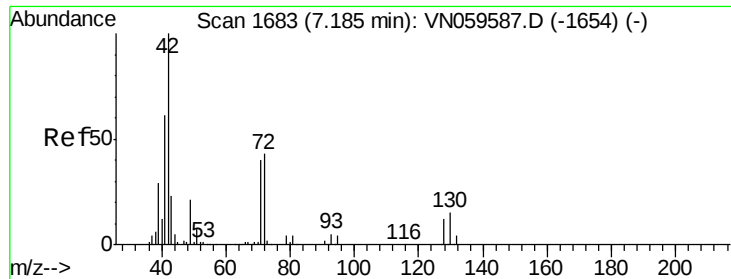
Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Tgt Ion:	49	Resp:	150639
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.4
130	67.7	54.7	82.1





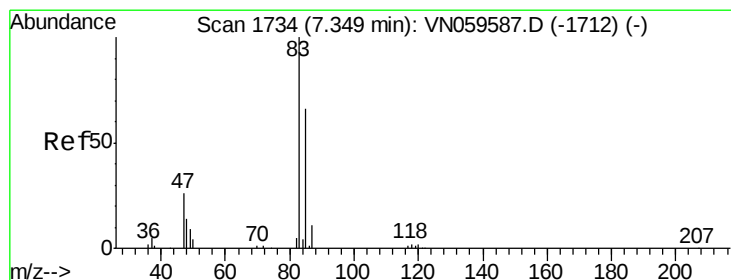
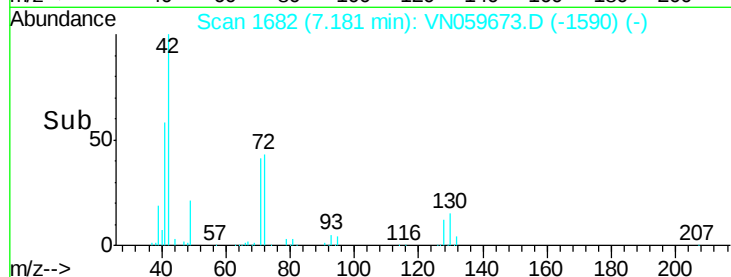
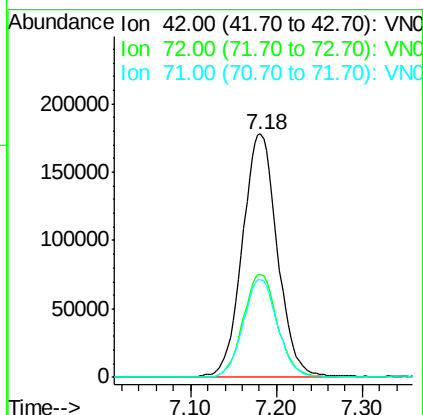
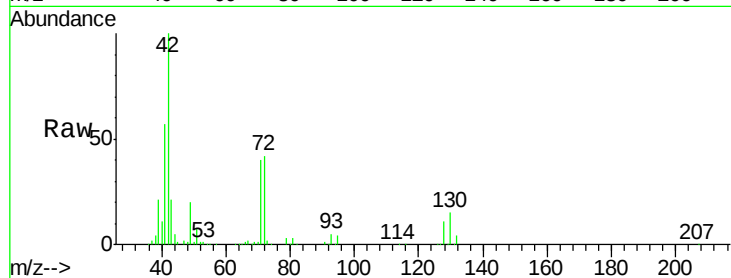
#29
Tetrahydrofuran
Concen: 249.803 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.1	49.7
71	39.8	31.4	47.0

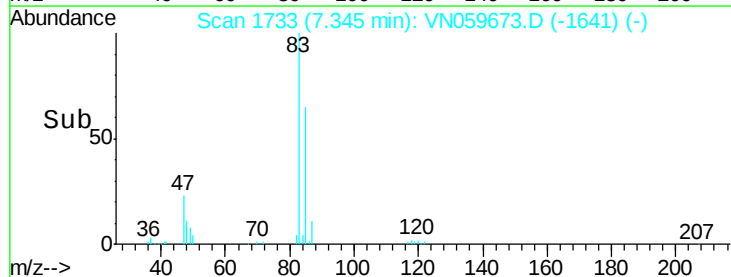
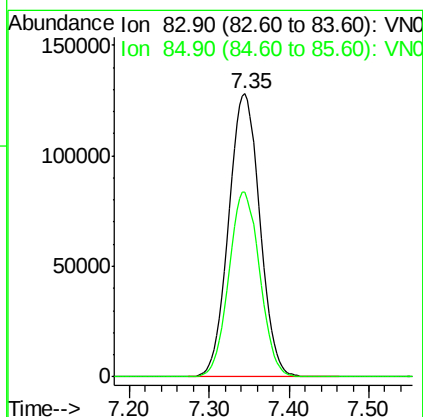
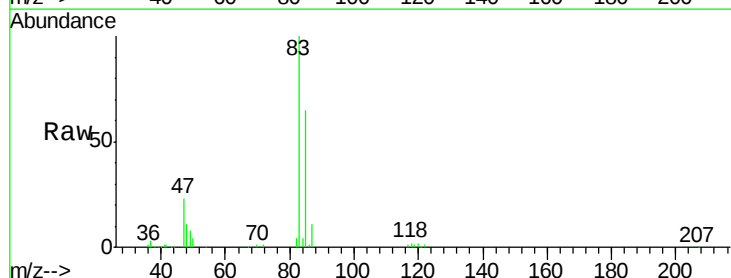
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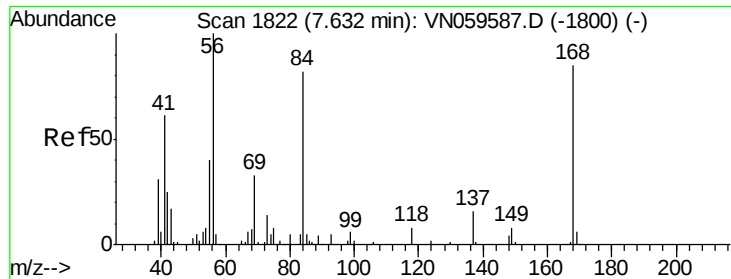
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#30
Chloroform
Concen: 47.995 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.4	78.6





#31

Cyclohexane

Concen: 48.905 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

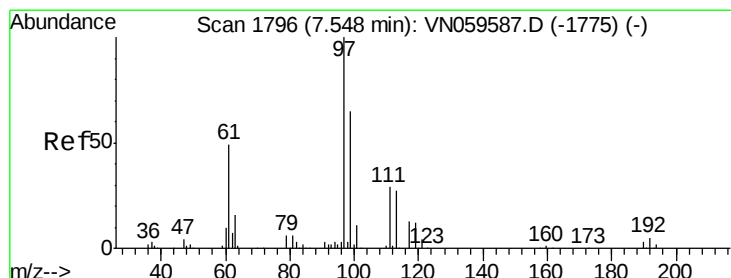
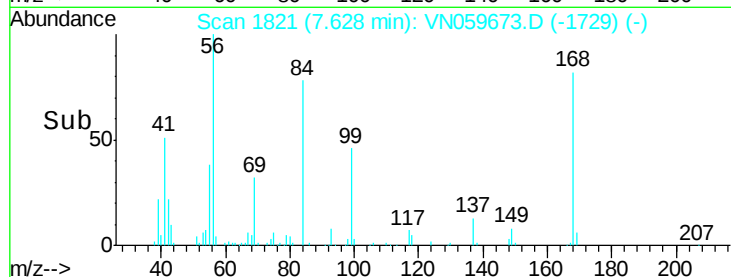
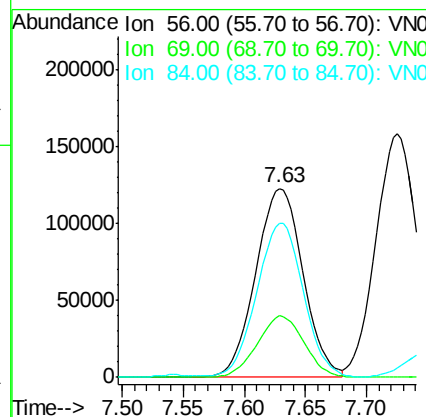
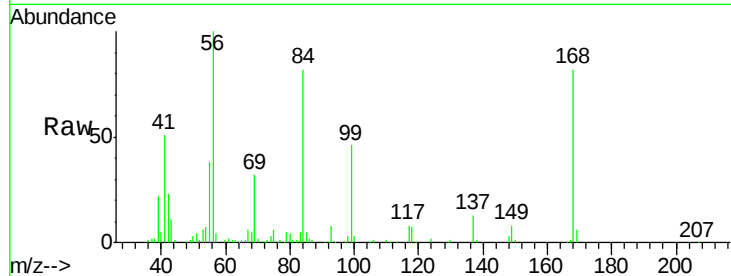
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	331328
Ion Ratio	Lower	Upper	
56	100		
69	32.4	26.5	39.7
84	80.5	65.3	97.9

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#32

1,1,1-Trichloroethane

Concen: 44.897 ug/l

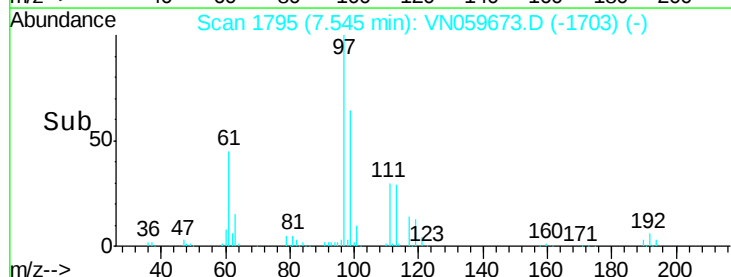
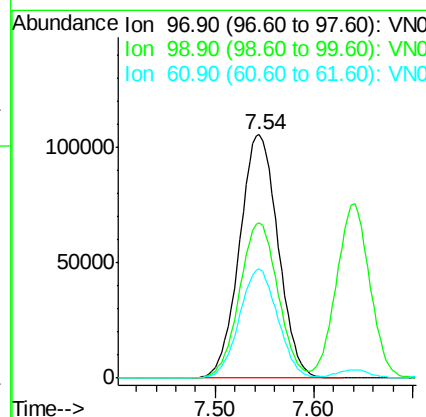
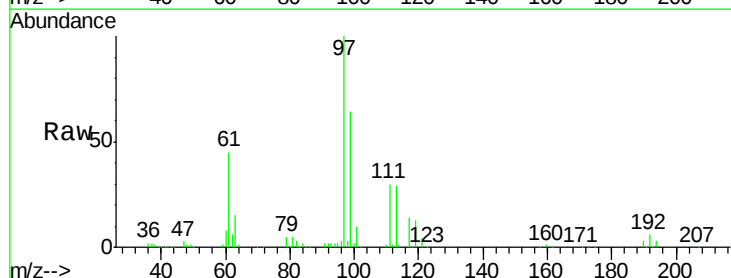
RT: 7.54 min Scan# 1795

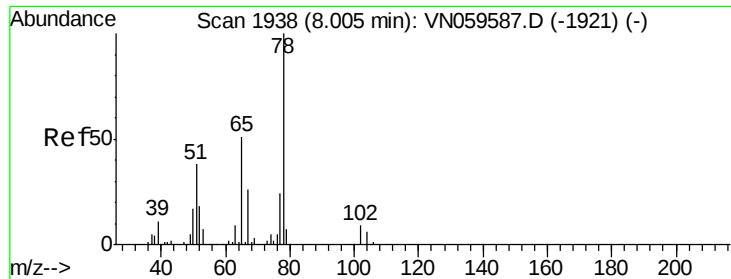
Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Tgt Ion:	97	Resp:	285679
Ion Ratio	Lower	Upper	
97	100		
99	63.6	51.0	76.4
61	44.6	38.5	57.7





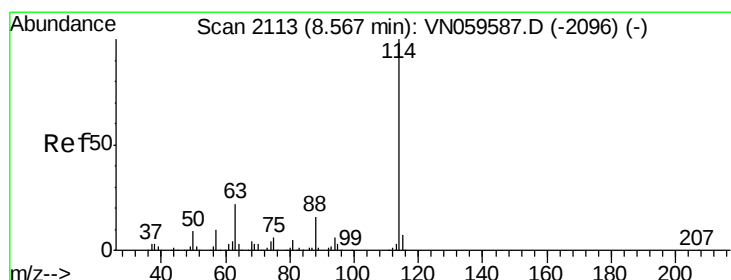
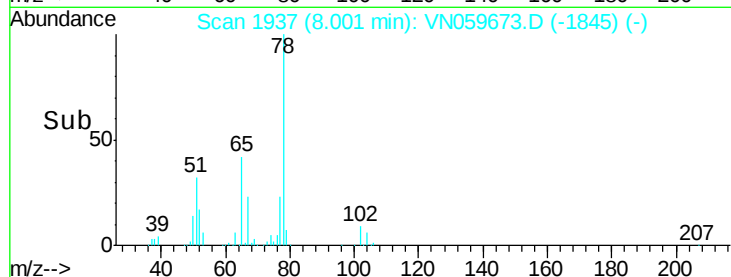
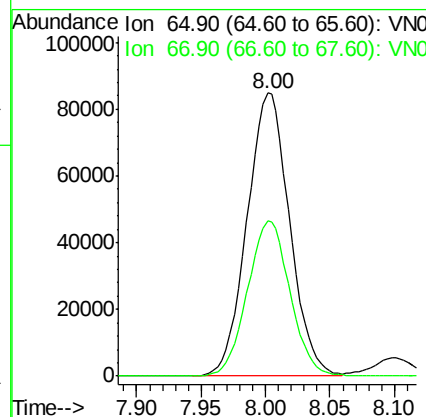
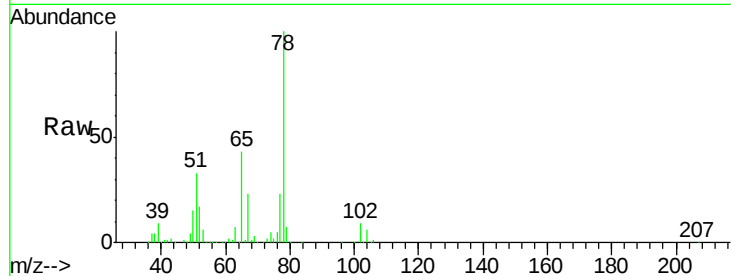
#33
 1,2-Dichloroethane-d4
 Concen: 42.089 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059673.D
 Acq: 19 Dec 2019 17:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	195297		
67	54.8	0.0	103.0	

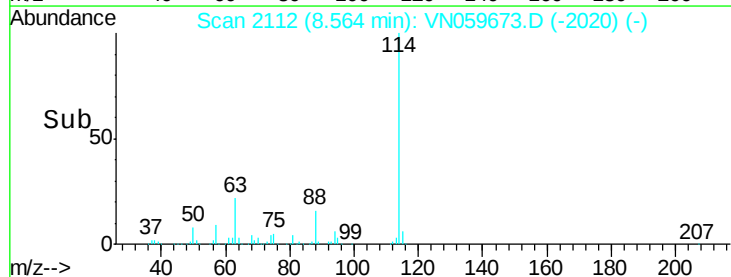
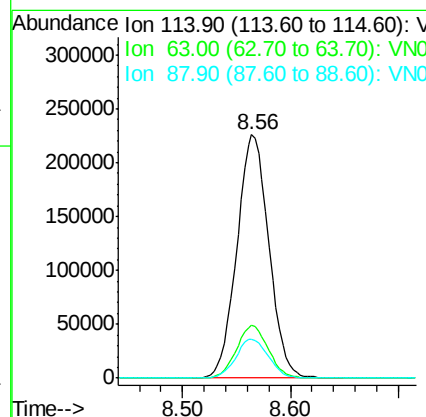
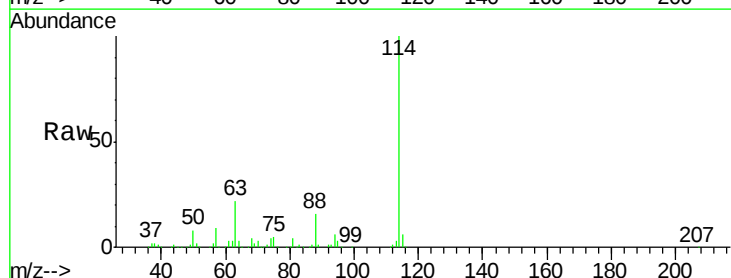
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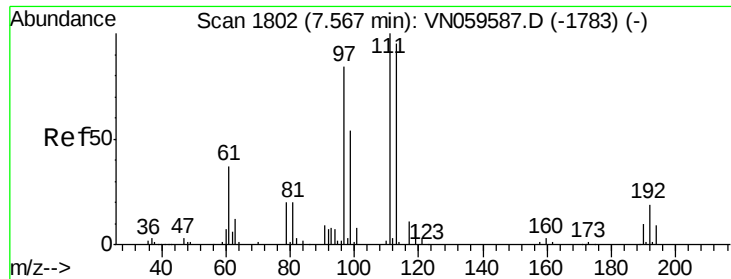
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059673.D
 Acq: 19 Dec 2019 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	467010		
63	21.6	0.0	43.6	
88	16.2	0.0	31.4	





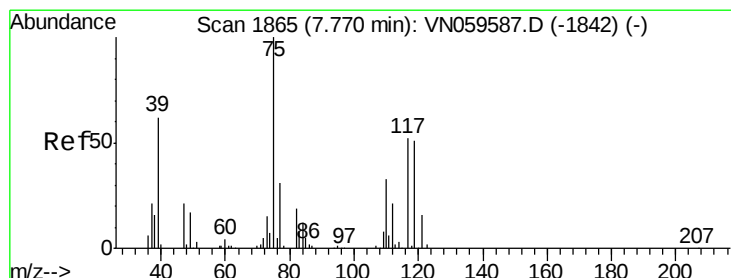
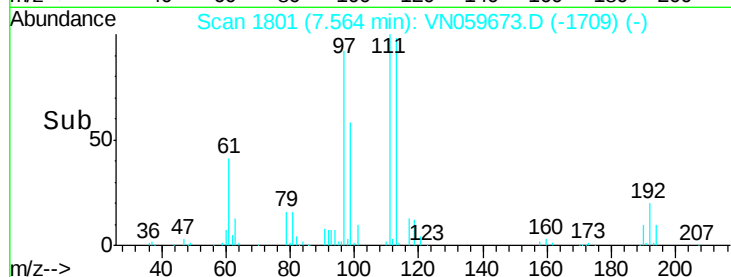
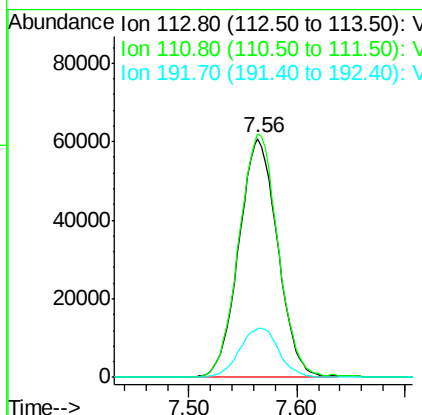
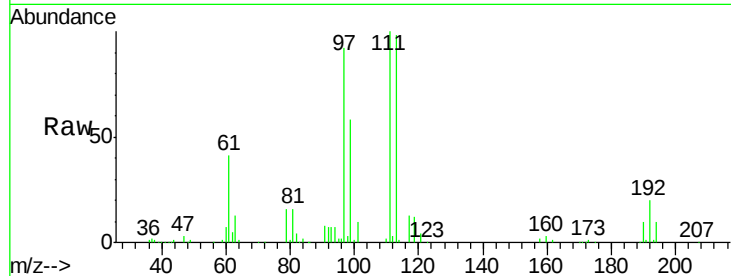
#35
Dibromofluoromethane
Concen: 51.948 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	151792		
111	102.7	83.5	125.3	
192	20.9	15.4	23.2	

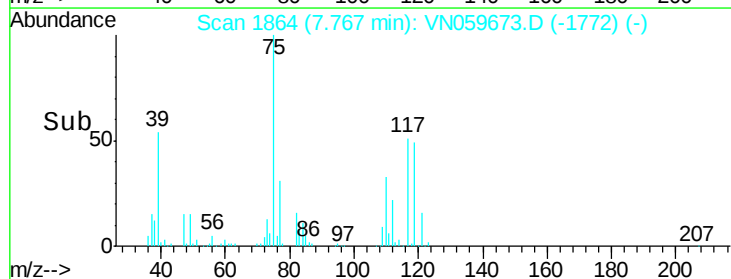
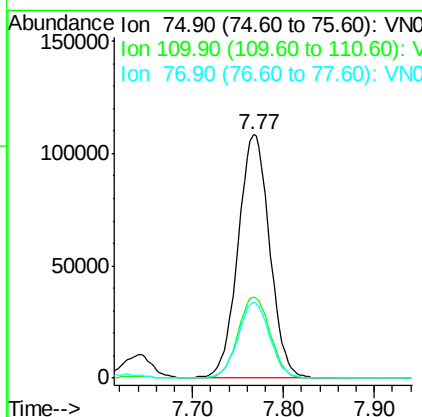
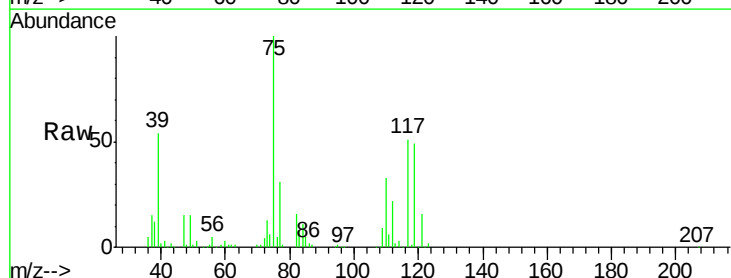
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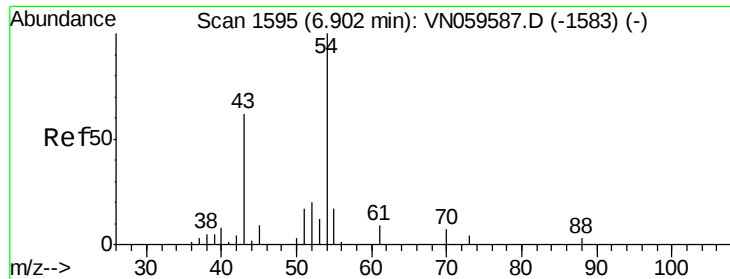
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#36
1,1-Dichloropropene
Concen: 53.431 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	260220		
110	34.0	16.6	49.7	
77	31.5	25.1	37.7	





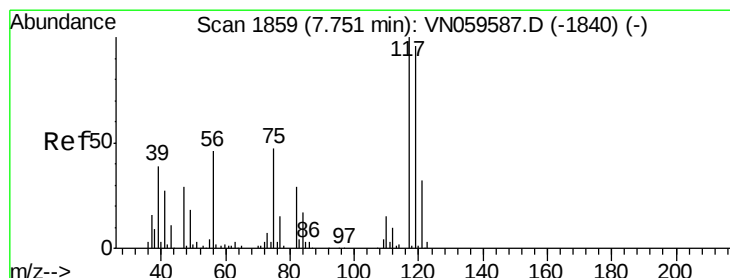
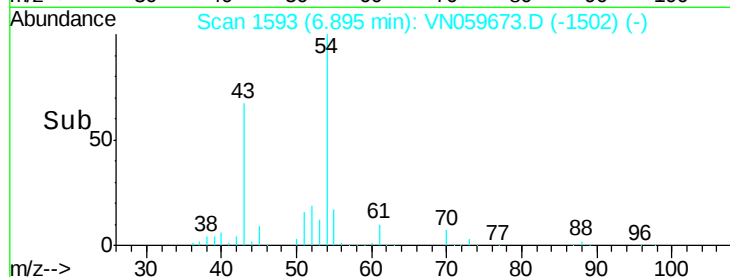
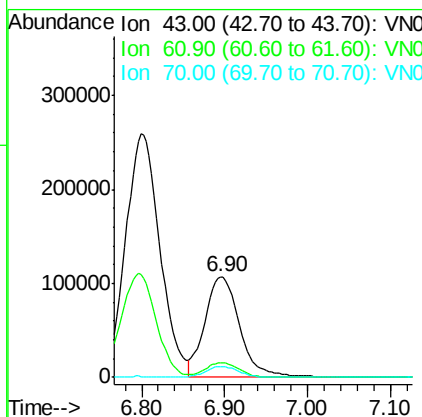
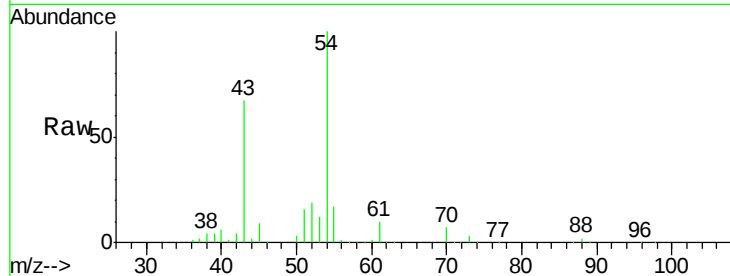
#37
Ethyl Acetate
Concen: 54.709 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.01 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Resp	309680		
Ratio	100	14.4	10.4
Lower		10.9	7.7
Upper		16.3	11.5

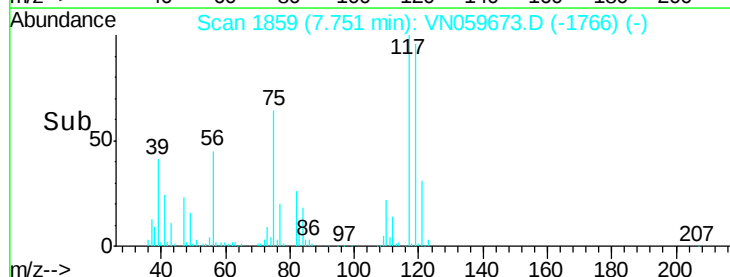
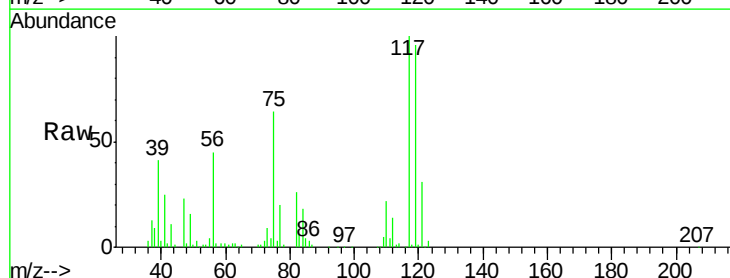
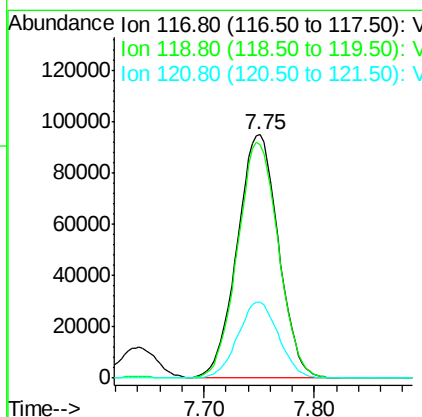
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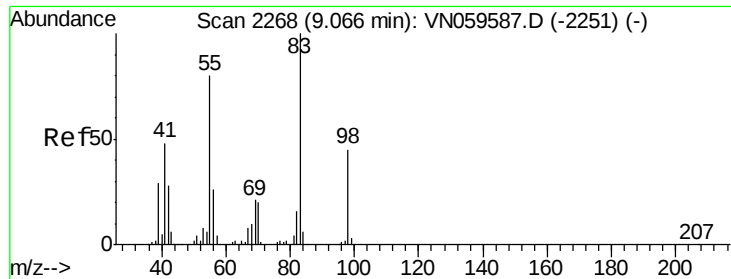
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#38
Carbon Tetrachloride
Concen: 48.820 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Tgt Ion	117	119	121
Resp	246723		
Ratio	100	95.7	31.2
Lower		76.5	25.1
Upper		114.7	37.7





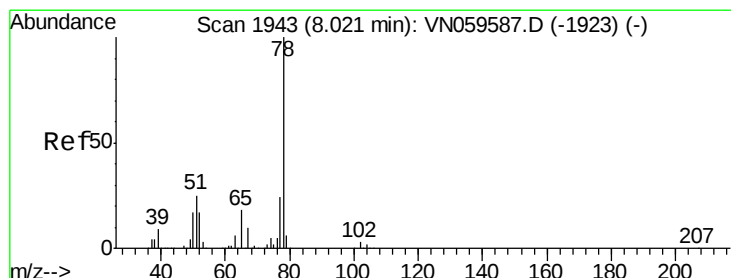
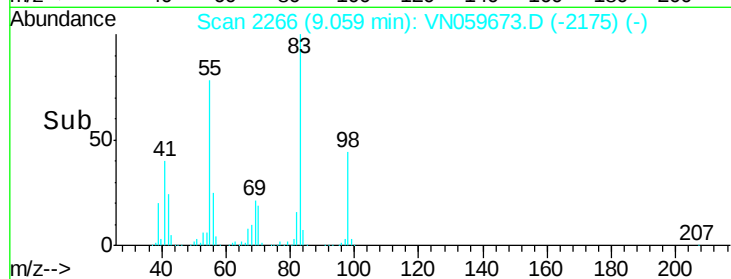
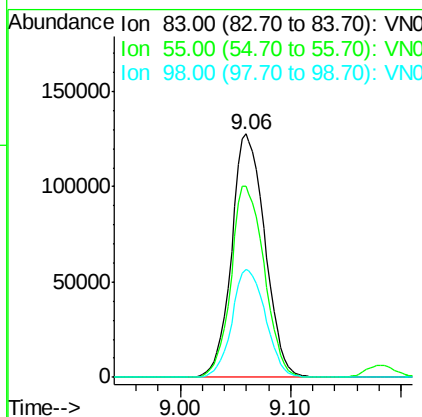
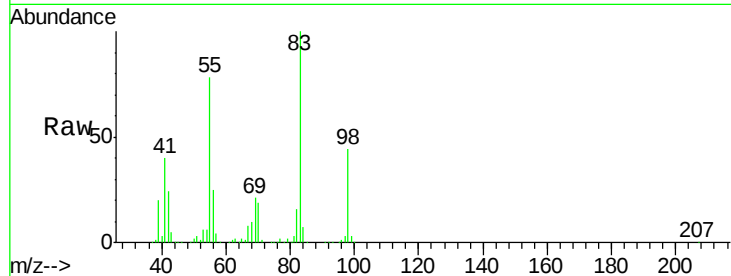
#39
Methvlcvclohexane
Concen: 48.386 ug/l
RT: 9.06 min Scan# 2266
Delta R.T. -0.01 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	267295		
55	78.4	64.2	96.2	
98	44.4	35.9	53.9	

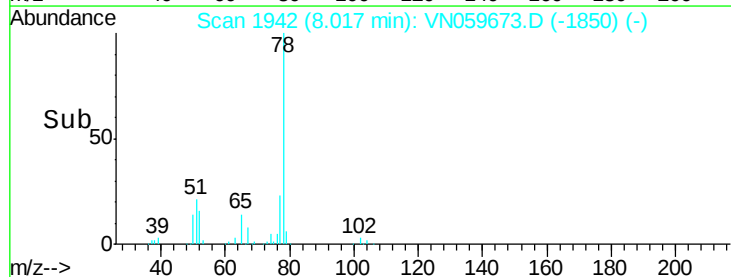
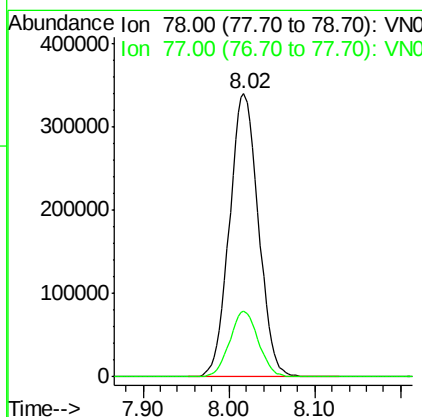
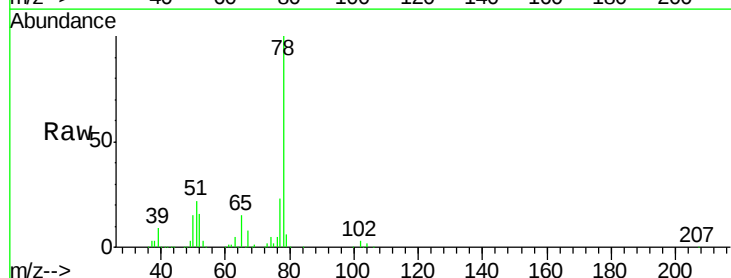
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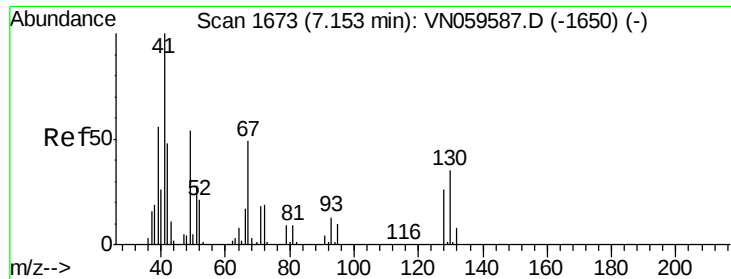
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#40
Benzene
Concen: 55.908 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	795721		
77	23.1	18.9	28.3	





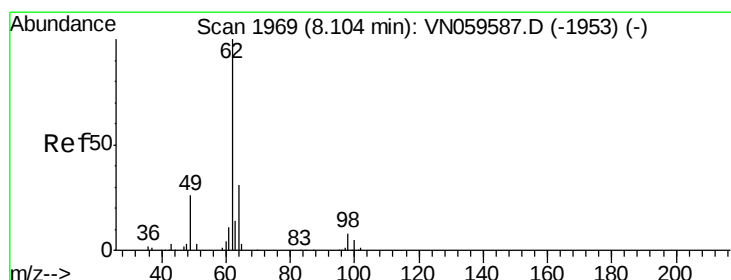
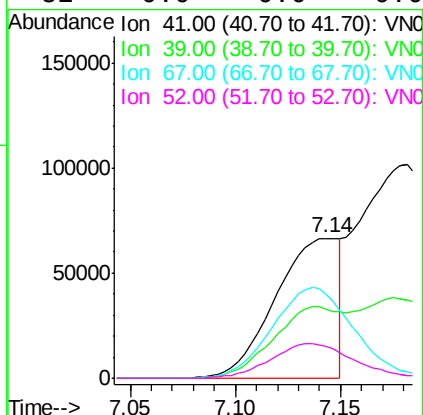
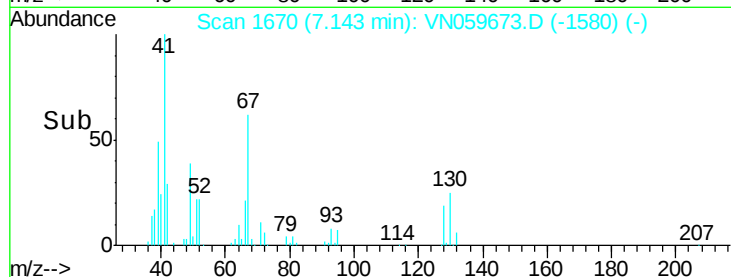
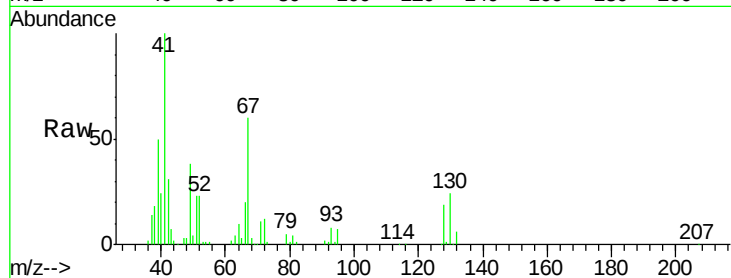
#41
Methacrylonitrile
Concen: 59.879 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		139882		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

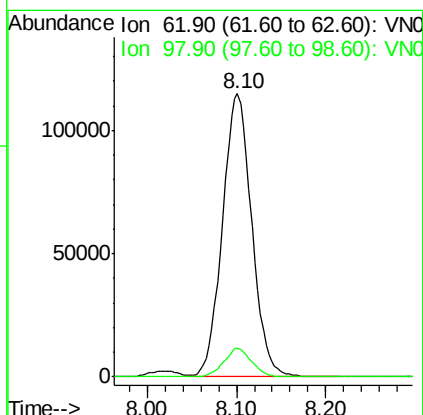
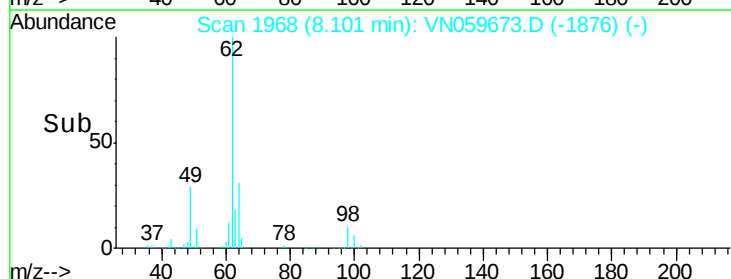
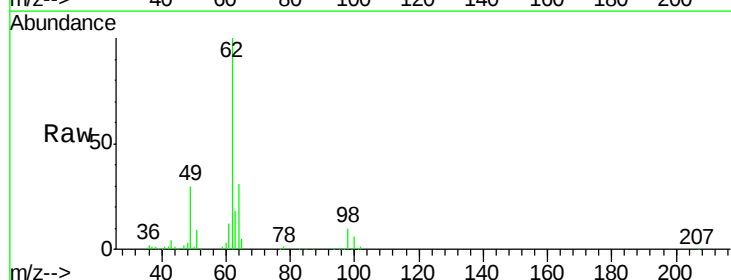
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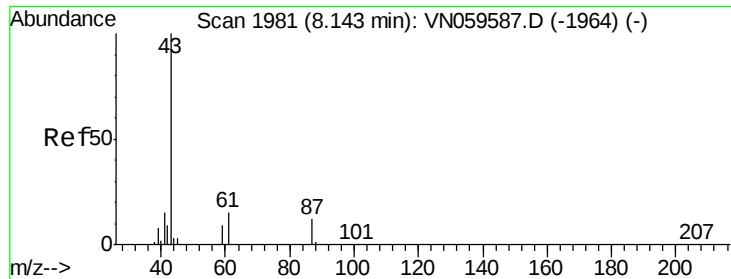
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#42
1,2-Dichloroethane
Concen: 48.050 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		261900		
98	9.6	0.0	15.8		





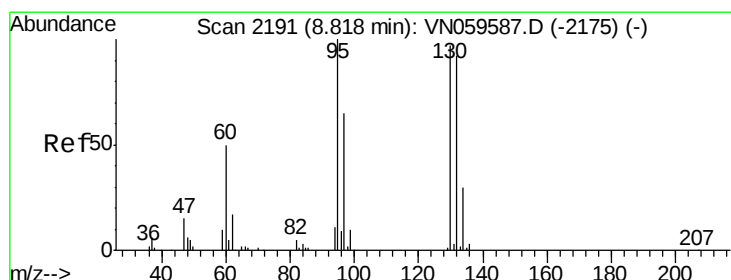
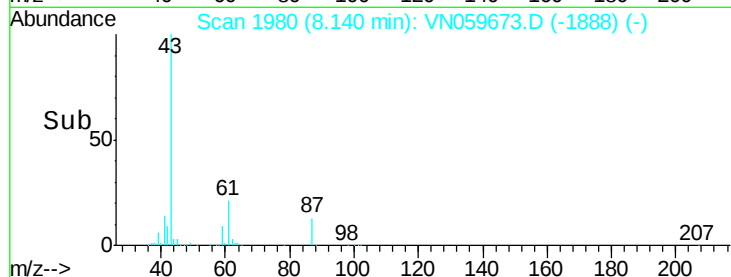
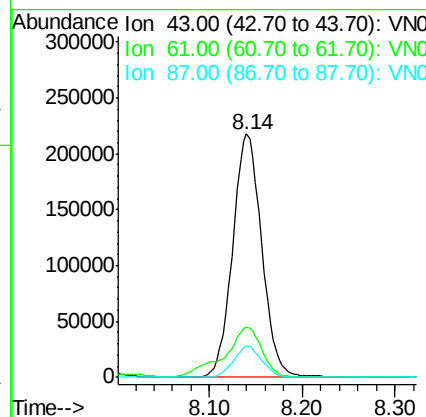
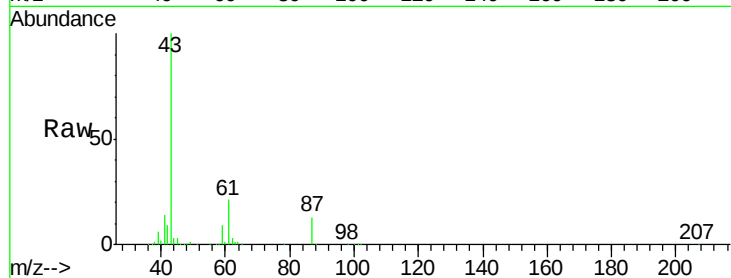
#43
Isopropyl Acetate
Concen: 53.532 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.6	20.2	30.2
87	12.5	9.5	14.3

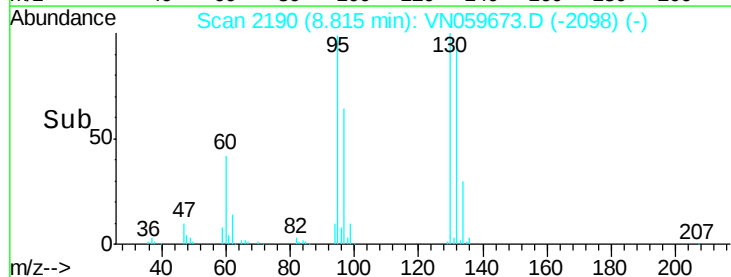
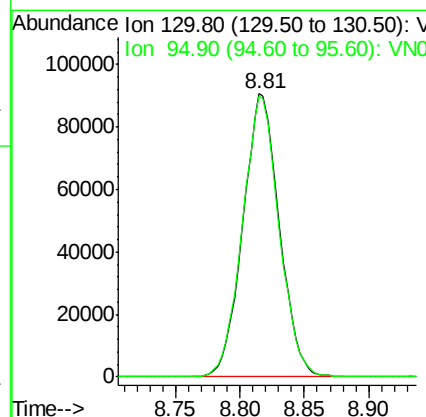
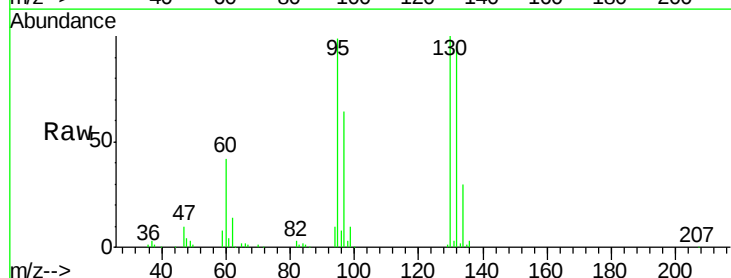
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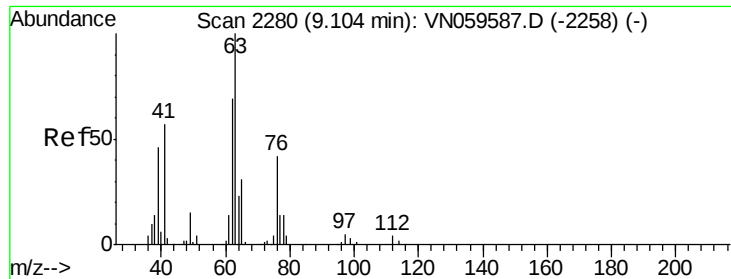
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#44
Trichloroethene
Concen: 47.699 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	207.0





#45

1,2-Dichloropropane

Concen: 49.412 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 189909

Ion Ratio Lower Upper

63 100

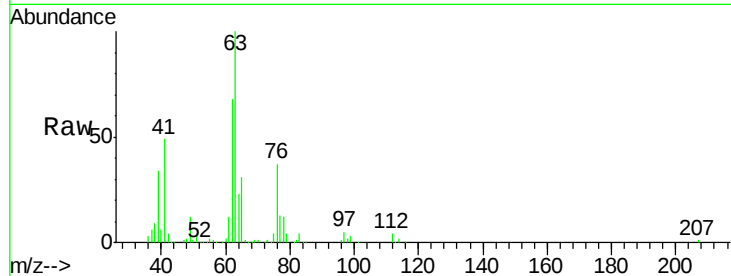
65 31.2 24.9 37.3

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

100000

80000

60000

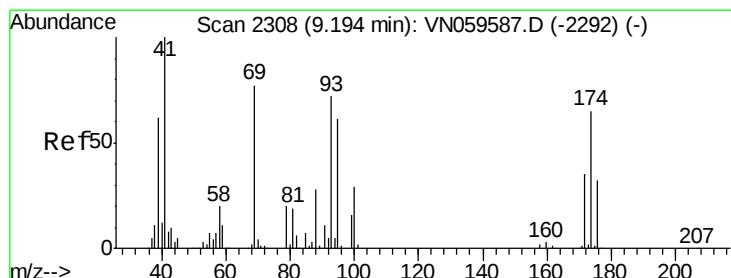
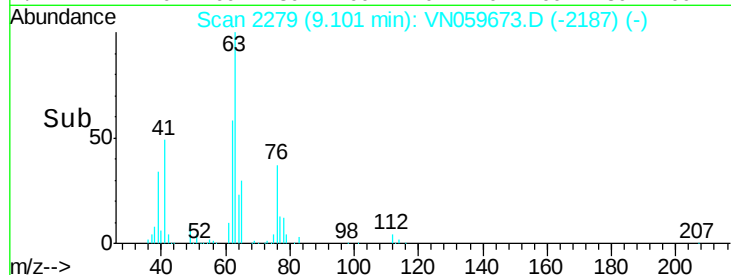
40000

20000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 44.871 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

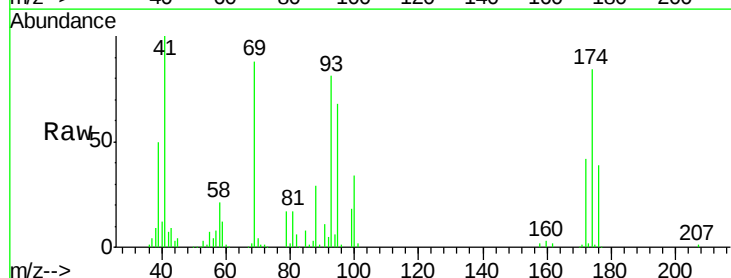
Tgt Ion: 93 Resp: 112983

Ion Ratio Lower Upper

93 100

95 83.9 67.0 100.6

174 103.7 73.4 110.2



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

60000

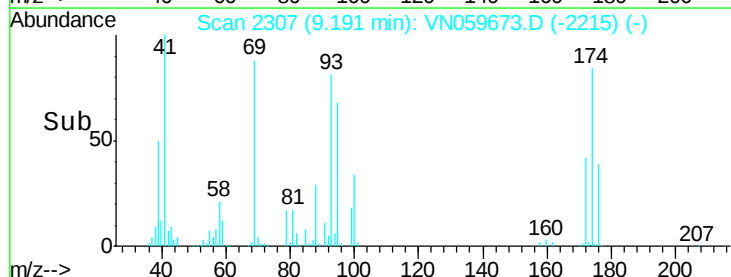
40000

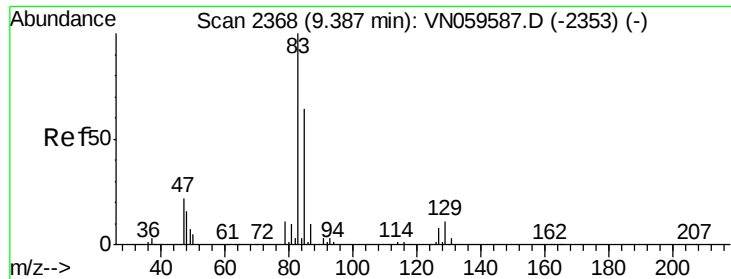
20000

0

Time-->

9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 47.172 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

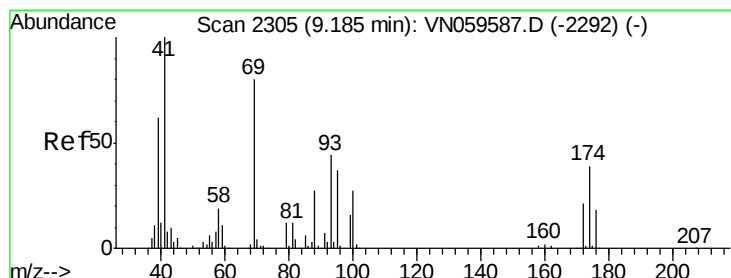
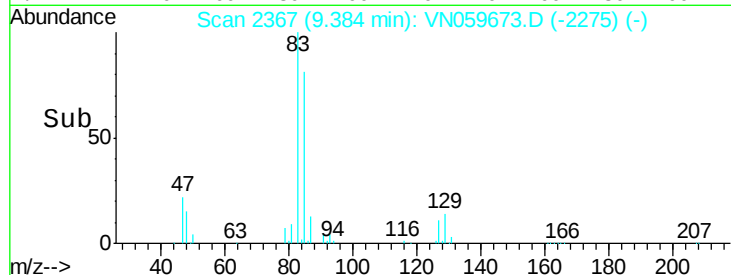
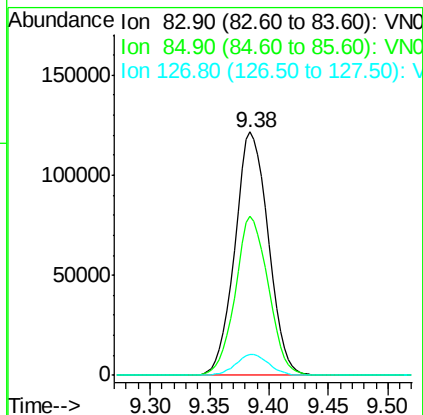
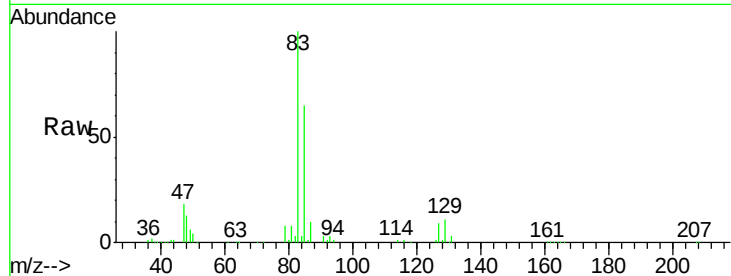
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	236812
Ion Ratio	Lower	Upper	
83	100		
85	65.3	51.1	76.7
127	8.7	6.6	9.8

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#48

Methyl methacrylate

Concen: 43.365 ug/l

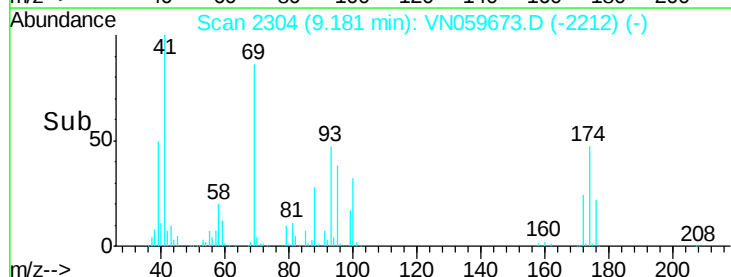
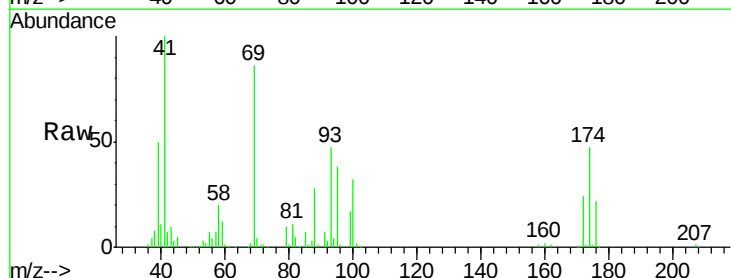
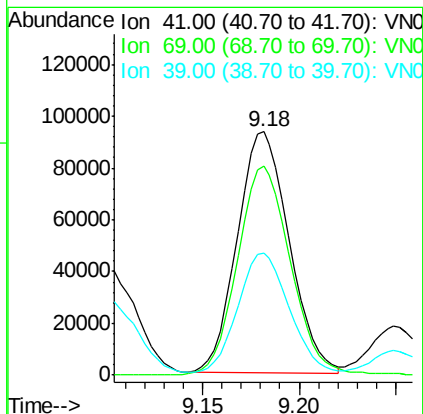
RT: 9.18 min Scan# 2304

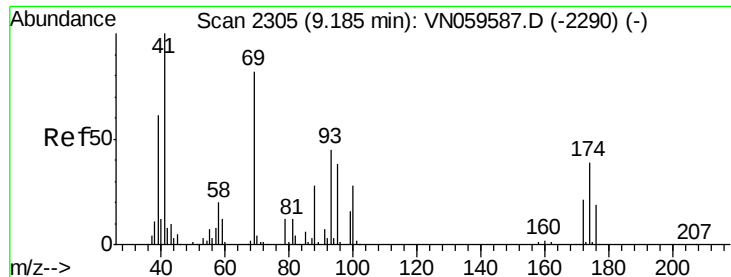
Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Tgt Ion:	41	Resp:	173148
Ion Ratio	Lower	Upper	
41	100		
69	88.8	64.4	96.6
39	51.0	51.3	76.9#





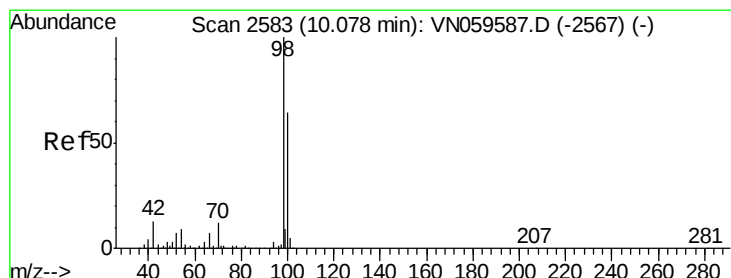
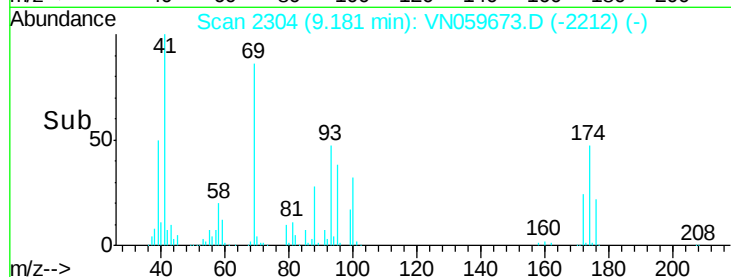
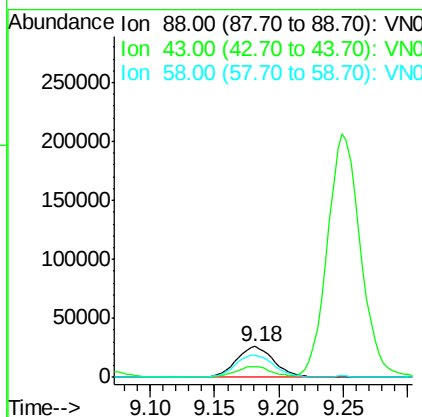
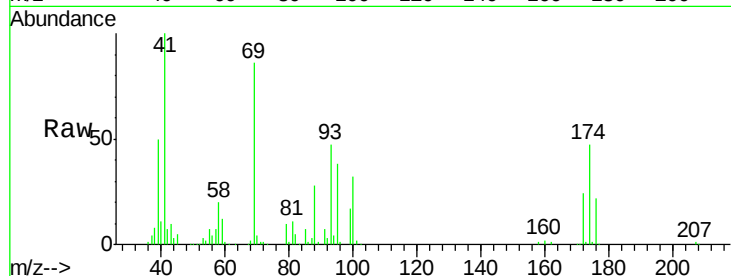
#49
1,4-Dioxane
Concen: 939.194 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	29.7	44.5
58	74.0	56.6	85.0

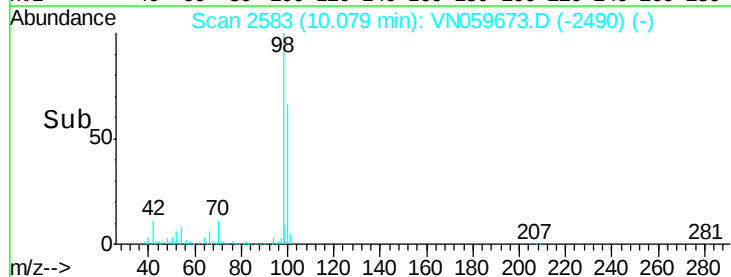
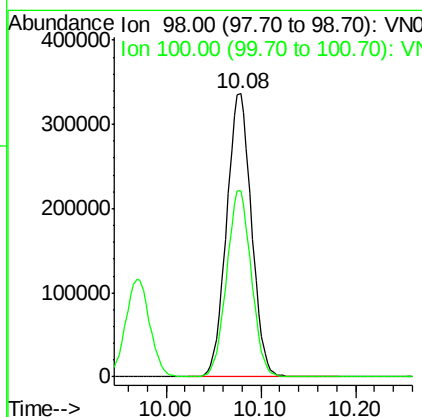
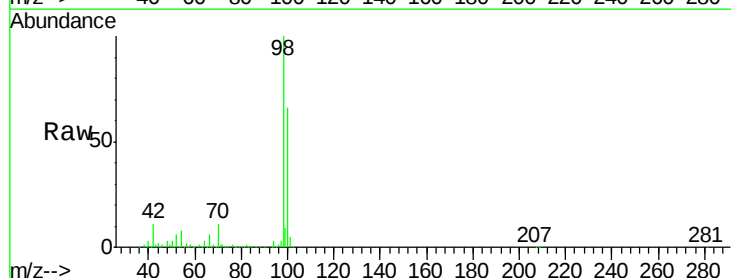
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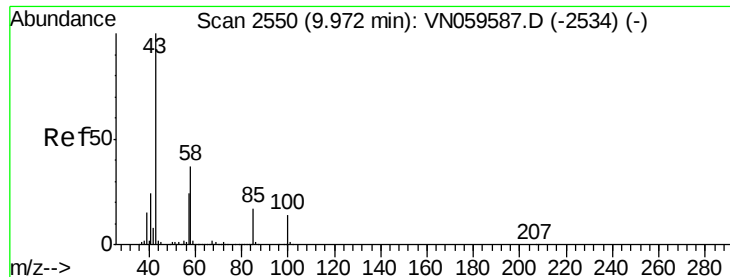
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#50
Toluene-d8
Concen: 53.198 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 280.621 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1472446

Ion Ratio Lower Upper

43 100

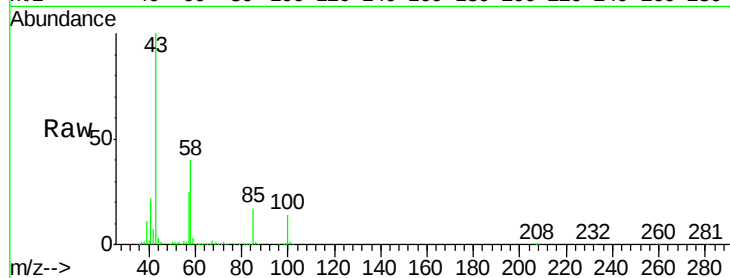
58 40.1 29.8 44.8

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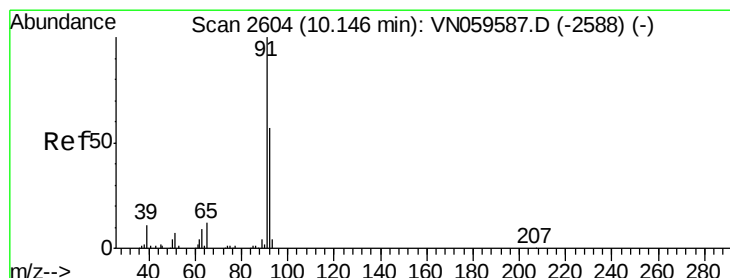
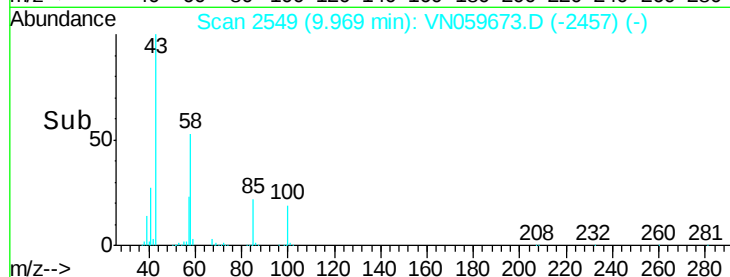
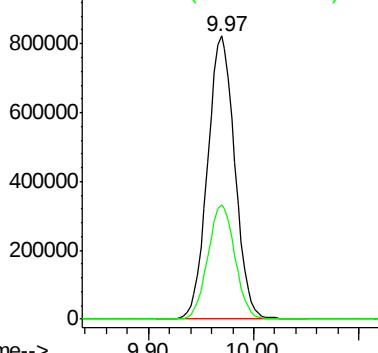
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 53.800 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059673.D

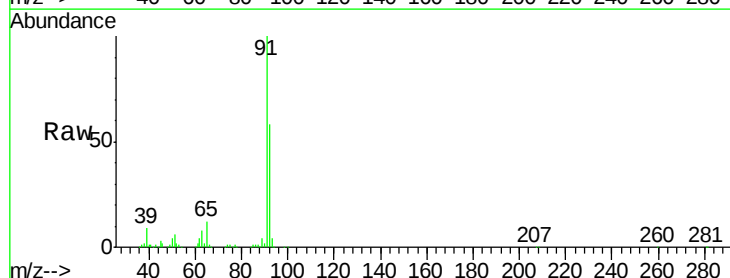
Acq: 19 Dec 2019 17:26

Tgt Ion: 92 Resp: 470487

Ion Ratio Lower Upper

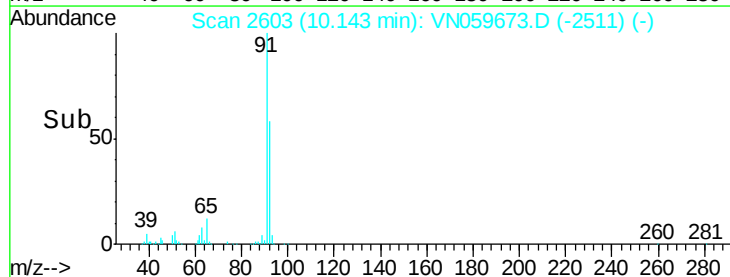
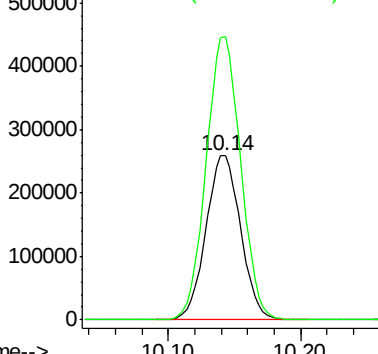
92 100

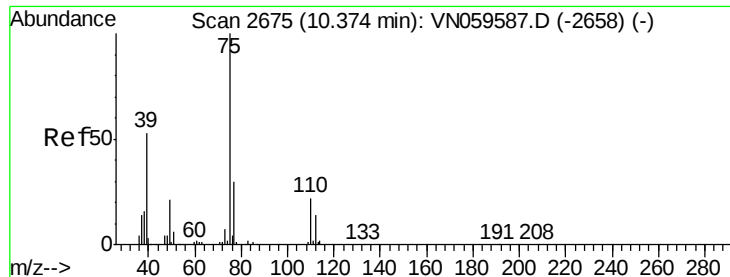
91 172.2 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





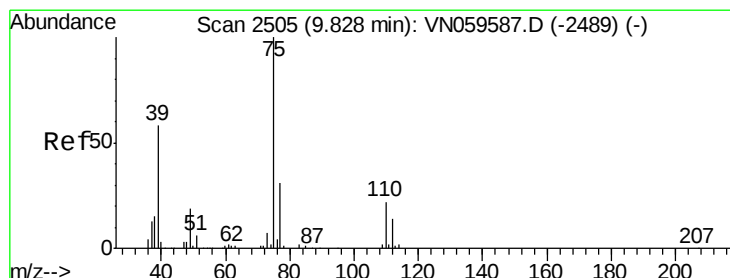
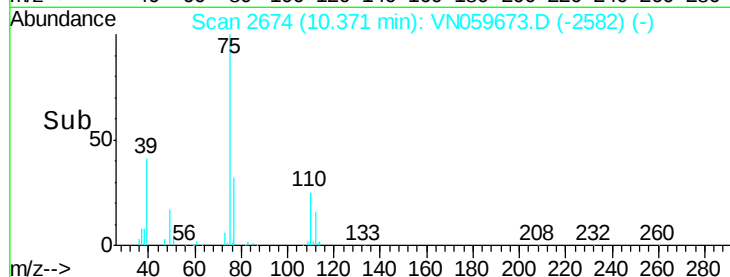
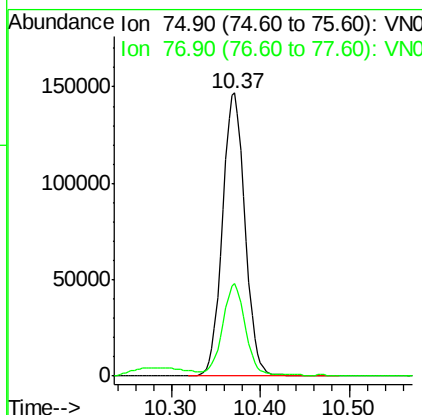
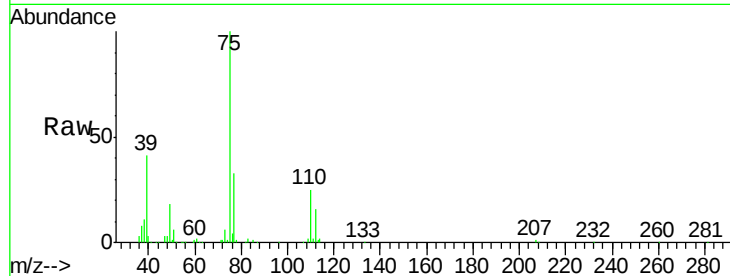
#53
t-1,3-Dichloropropene
Concen: 44.278 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.2

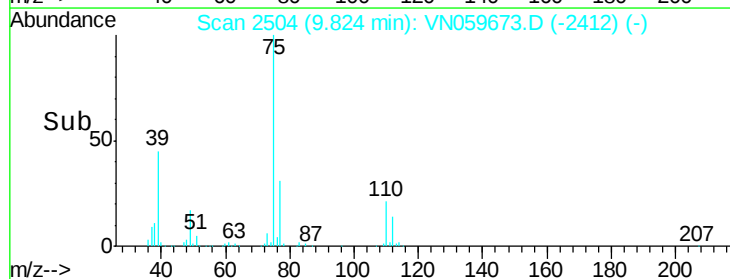
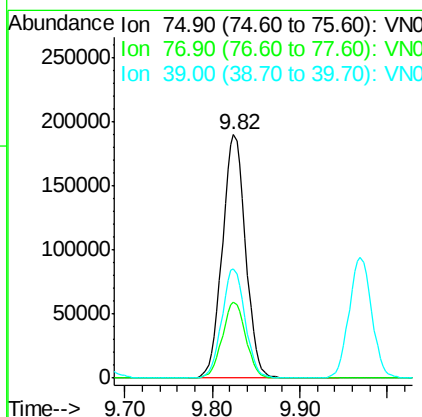
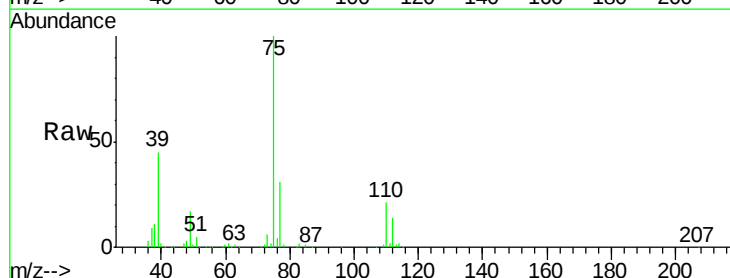
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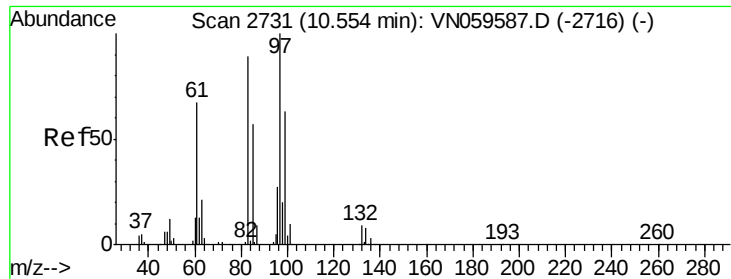
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#54
cis-1,3-Dichloropropene
Concen: 57.346 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	45.0	46.1	69.1#





#55

1,1,2-Trichloroethane

Concen: 48.018 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

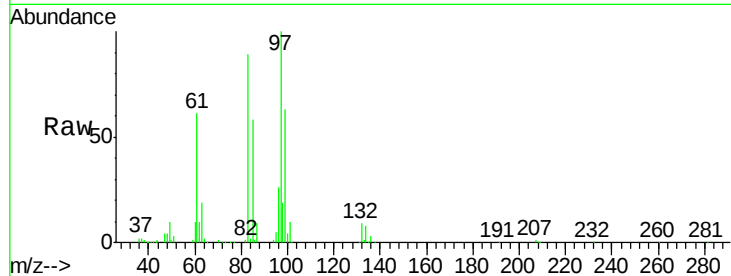
ClientSampleId :

VSTDCCC050EC

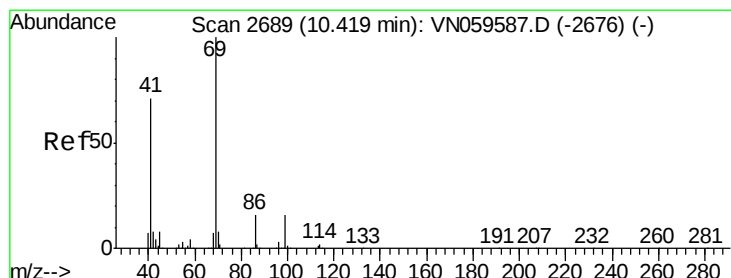
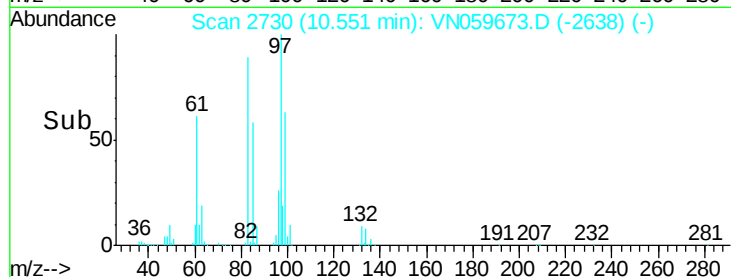
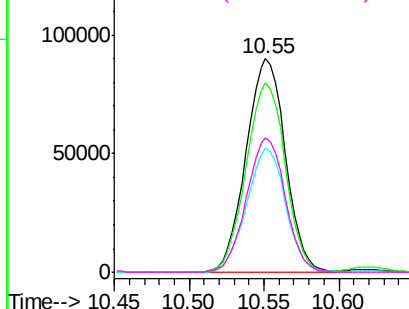
Tot Ion:	97	Resp:	164780
Ion	Ratio	Lower	Upper
97	100		
83	88.6	71.3	106.9
85	58.2	45.8	68.8
99	63.2	50.0	75.0

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Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 98.90 (98.60 to 99.60): VNC



#56

Ethyl methacrylate

Concen: 50.457 ug/l

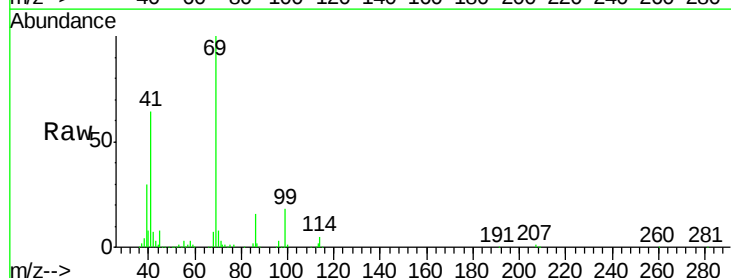
RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

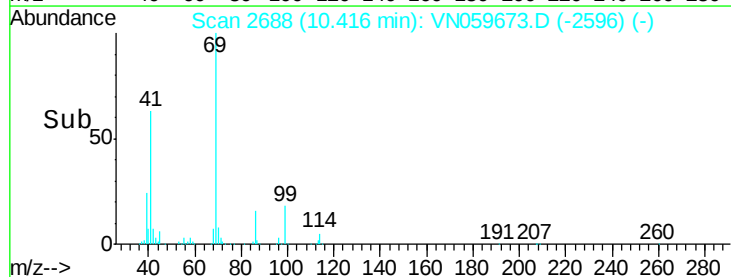
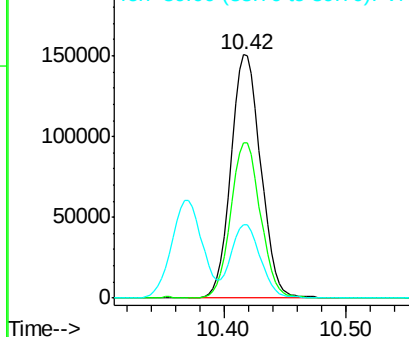
Lab File: VN059673.D

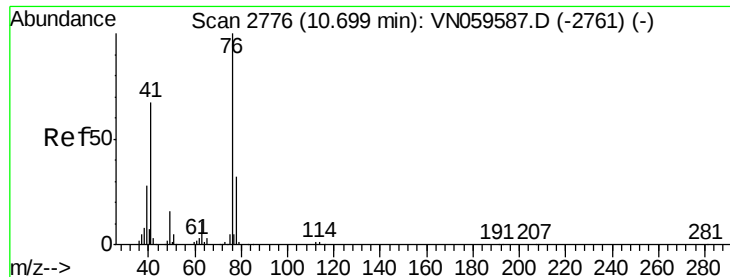
Acq: 19 Dec 2019 17:26

Tgt Ion:	69	Resp:	257044
Ion	Ratio	Lower	Upper
69	100		
41	62.8	57.1	85.7
39	30.3	34.7	52.1#



Abundance Ion 69.00 (68.70 to 69.70): VNC
Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC





#57

1,3-Dichloropropane

Concen: 50.234 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 300144

Ion Ratio Lower Upper

76 100

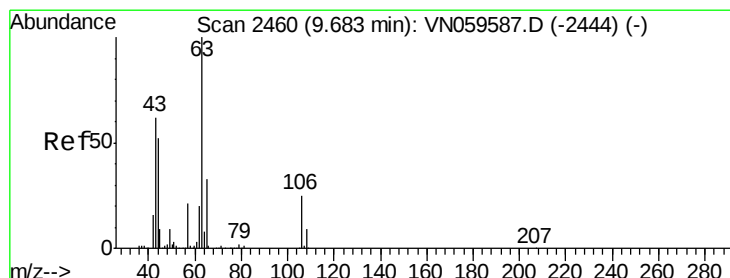
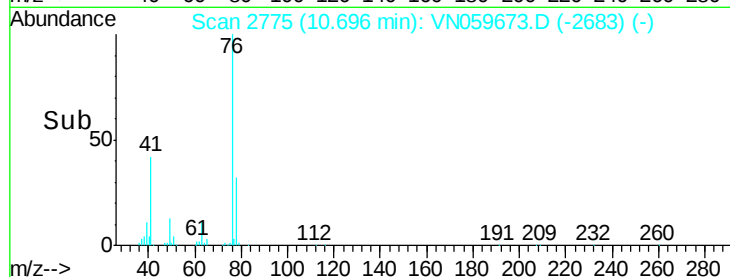
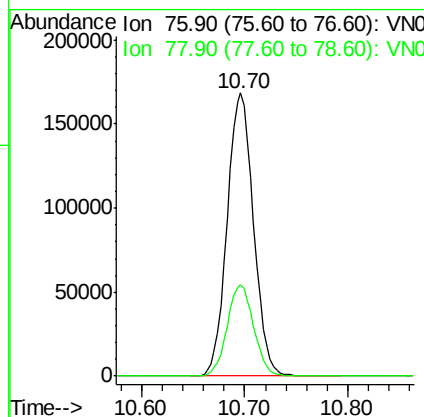
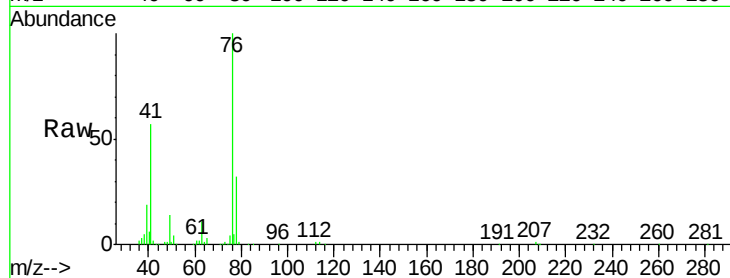
78 32.5 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 375.264 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059673.D

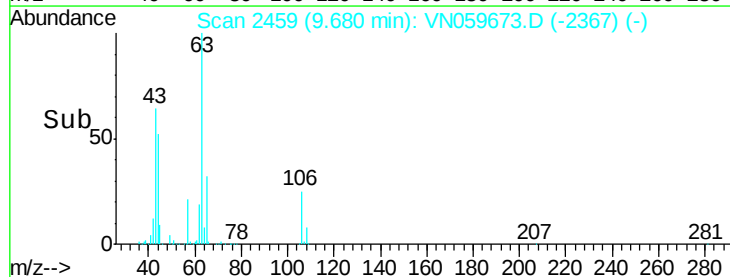
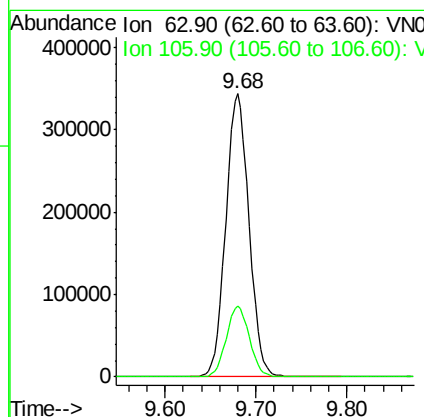
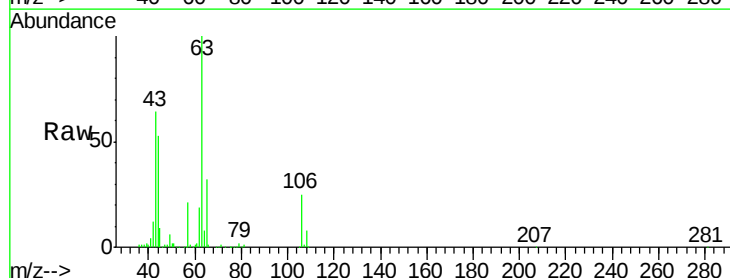
Acq: 19 Dec 2019 17:26

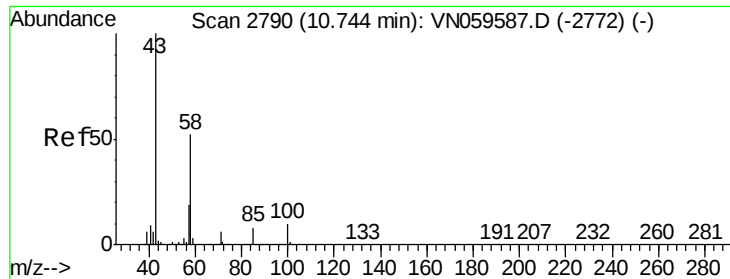
Tgt Ion: 63 Resp: 608004

Ion Ratio Lower Upper

63 100

106 25.0 20.2 30.2





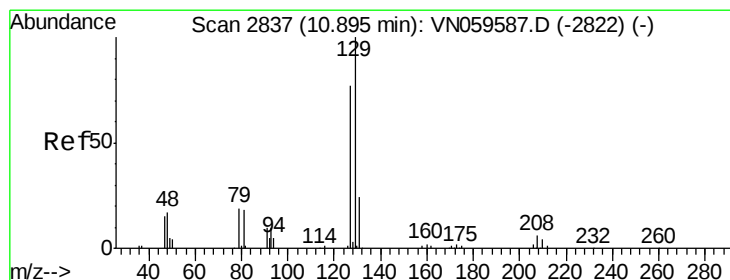
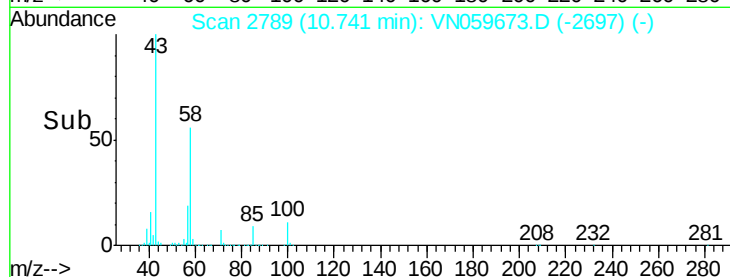
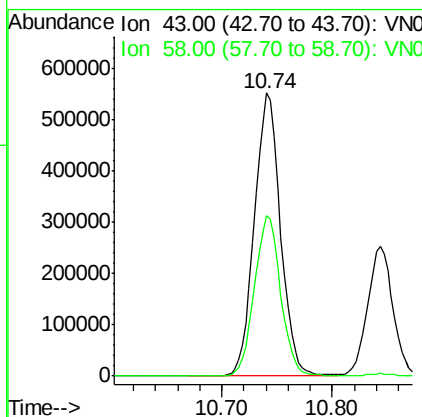
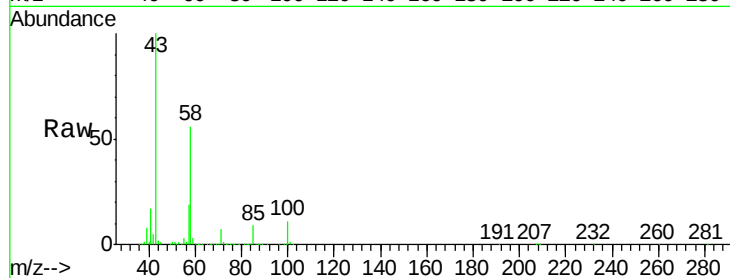
#59
2-Hexanone
Concen: 218.928 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 905359
Ion Ratio Lower Upper
43 100
58 57.0 25.8 77.3

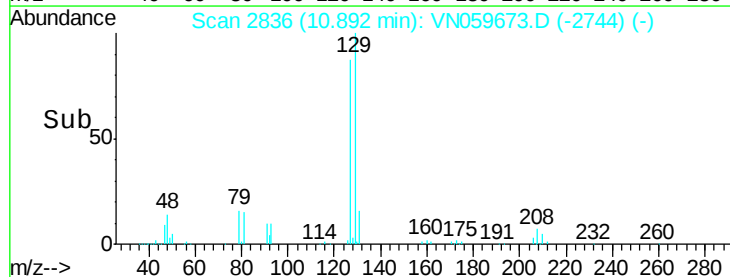
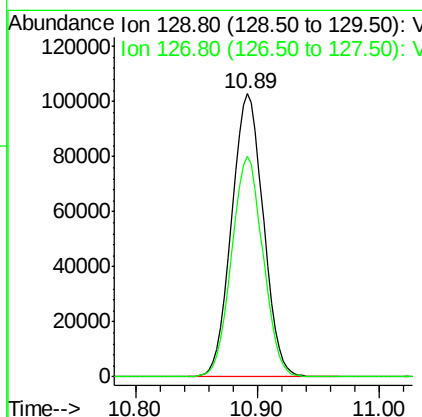
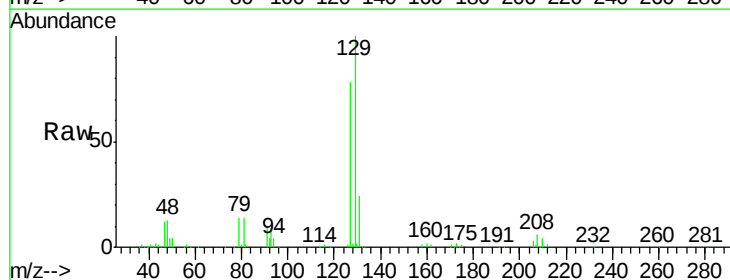
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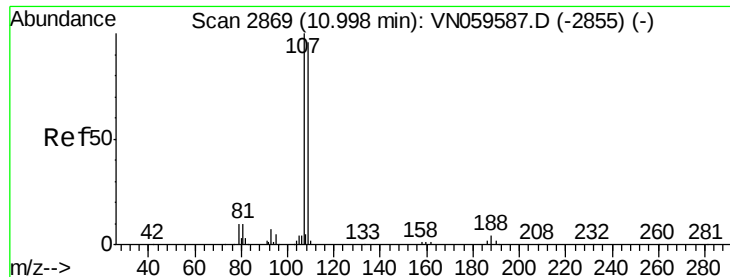
apatel
12/20/2019 9:20:40 AM



#60
Dibromochloromethane
Concen: 49.575 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Tgt Ion: 129 Resp: 185673
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





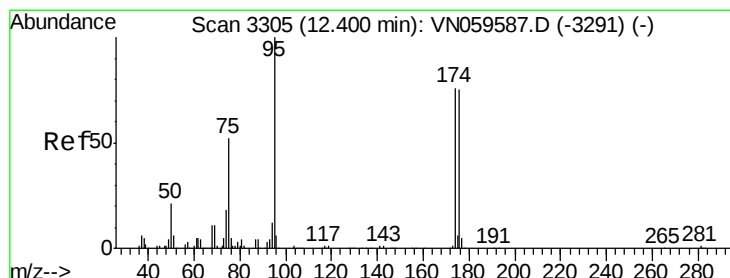
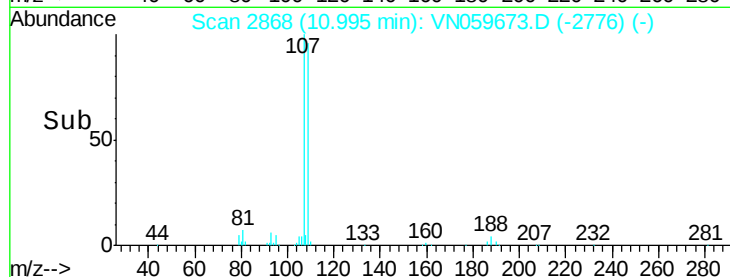
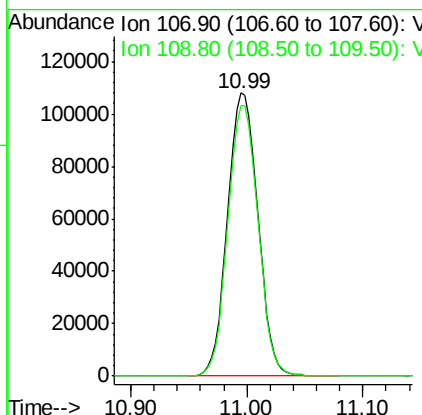
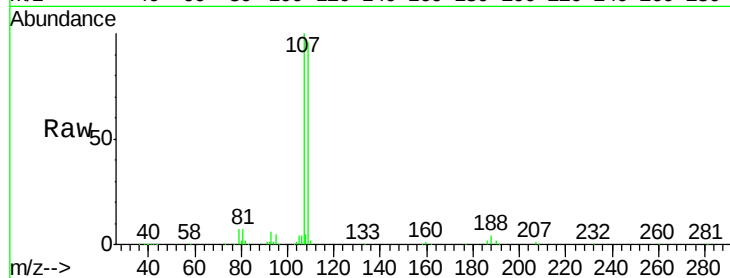
#61
 1,2-Dibromoethane
 Concen: 53.751 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059673.D
 Acq: 19 Dec 2019 17:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.6	115.0

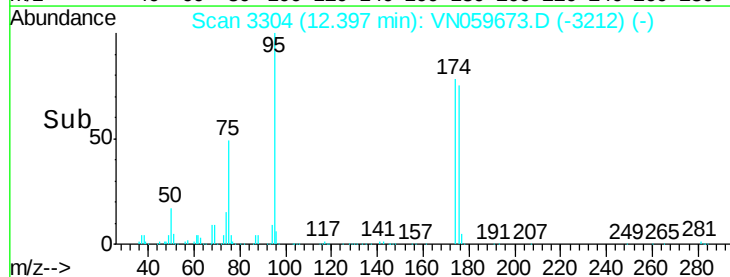
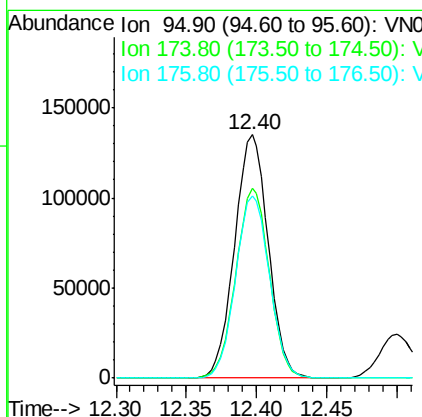
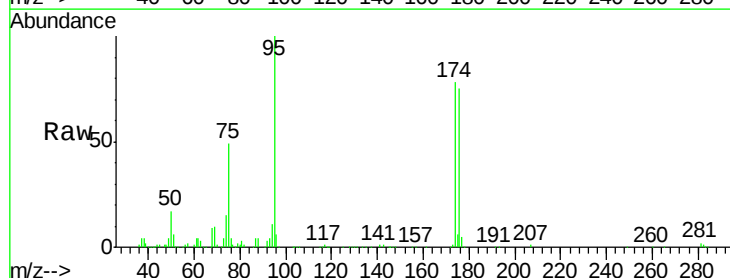
Manual Integrations
 APPROVED

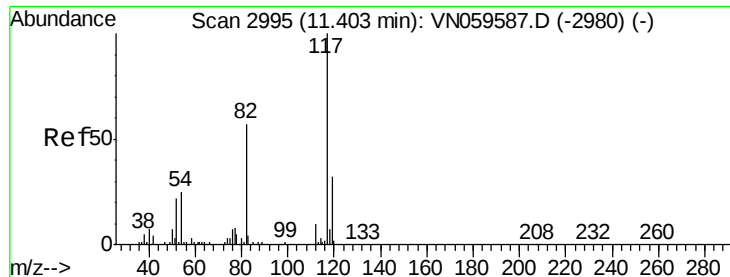
apatel
 12/20/2019 9:20:40 AM



#62
 4-Bromofluorobenzene
 Concen: 53.570 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN059673.D
 Acq: 19 Dec 2019 17:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	151.4
176	75.5	0.0	146.0





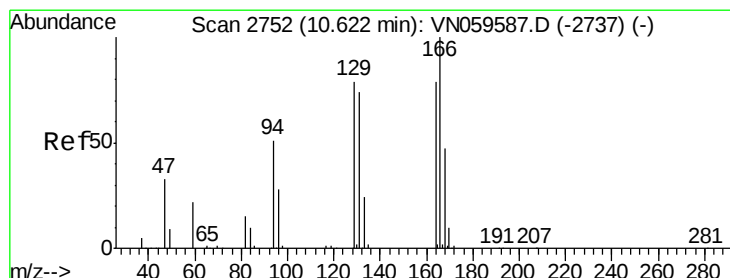
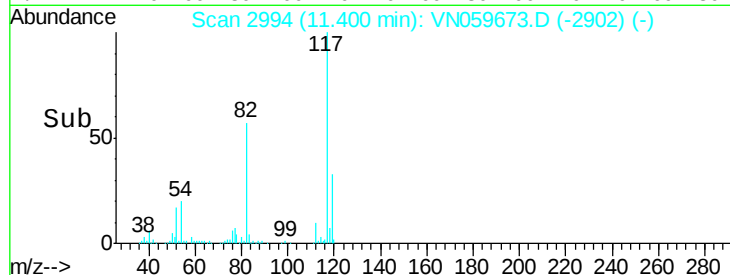
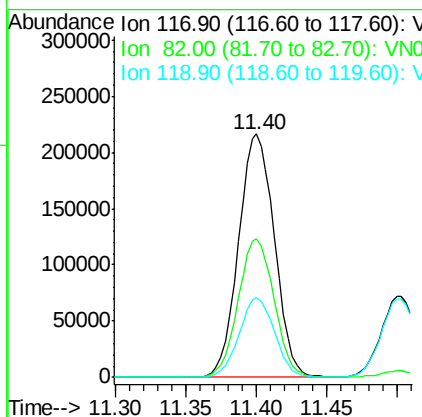
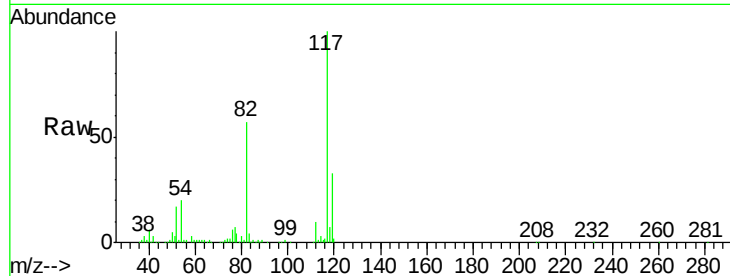
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	386019		
82	56.9		45.9	68.9
119	33.0		25.5	38.3

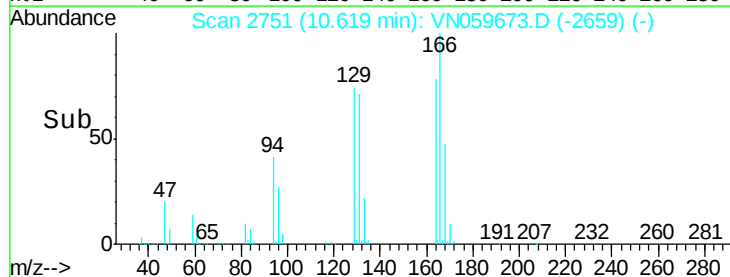
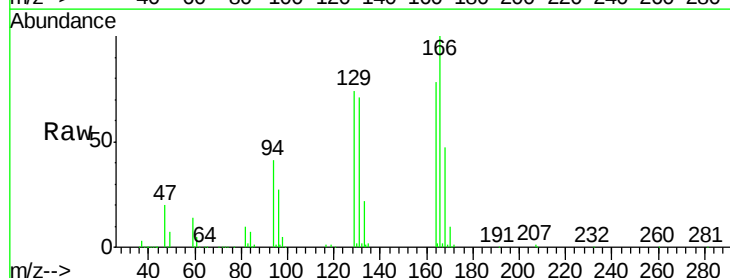
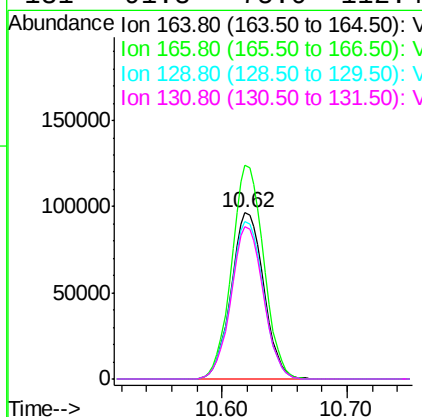
Manual Integrations
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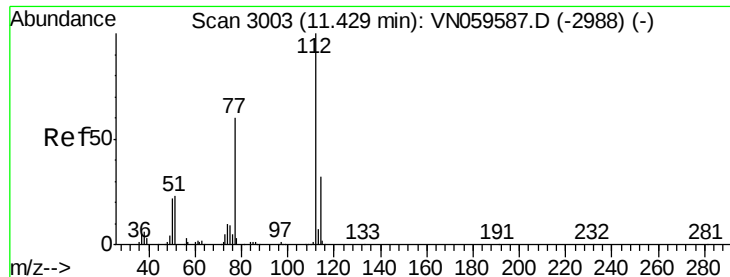
apatel
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#64
Tetrachloroethene
Concen: 48.261 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	173666		
166	128.5		101.4	152.0
129	94.8		80.2	120.4
131	91.8		75.0	112.4





#65

Chlorobenzene

Concen: 59.195 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 494430

Ion Ratio Lower Upper

112 100

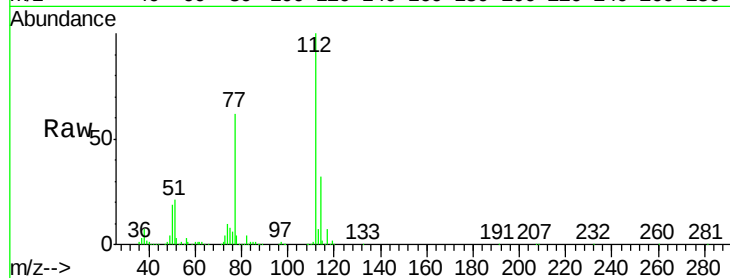
114 32.2 25.8 38.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

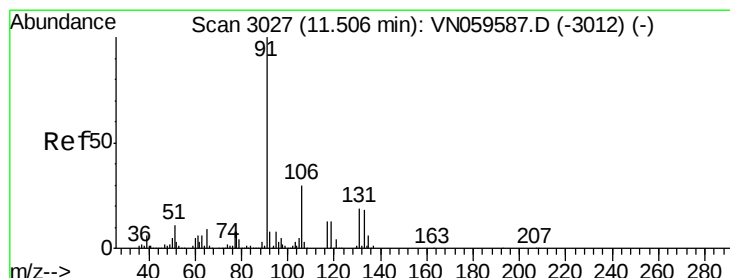
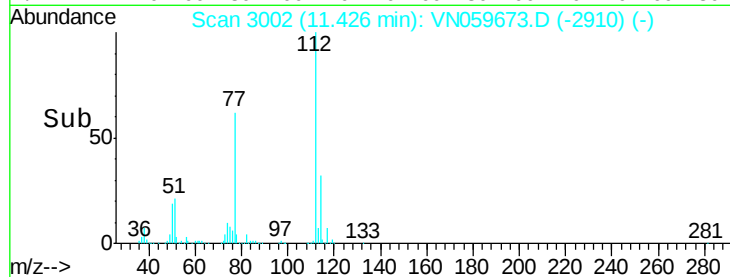
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 57.346 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.01 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

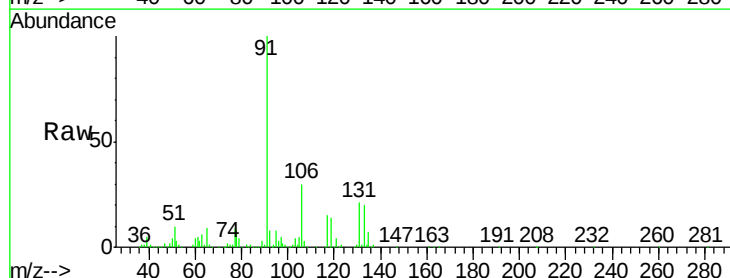
Tgt Ion:131 Resp: 181933

Ion Ratio Lower Upper

131 100

133 95.9 47.4 142.2

119 67.7 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

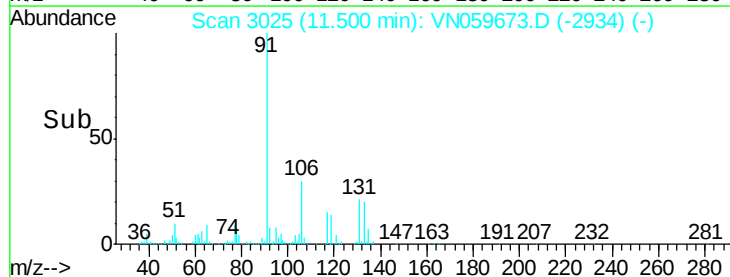
11.50

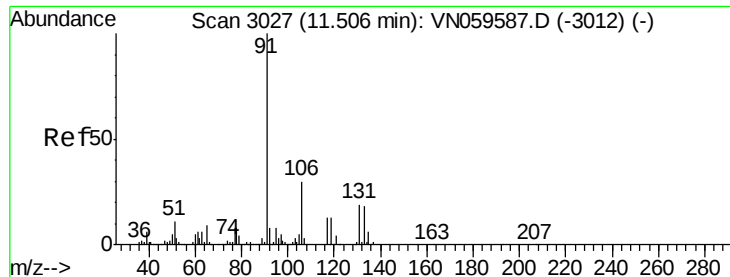
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 58.644 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 884158

Ion Ratio Lower Upper

91 100

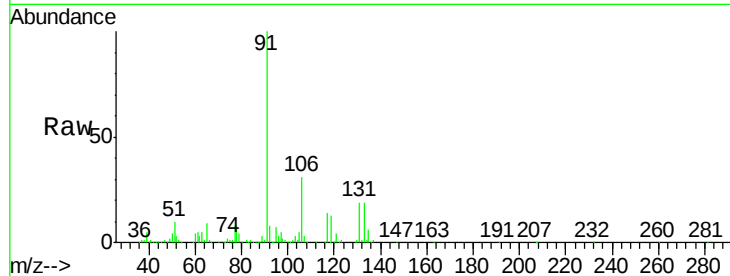
106 30.7 24.1 36.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059587.D (-3012) (-)

600000

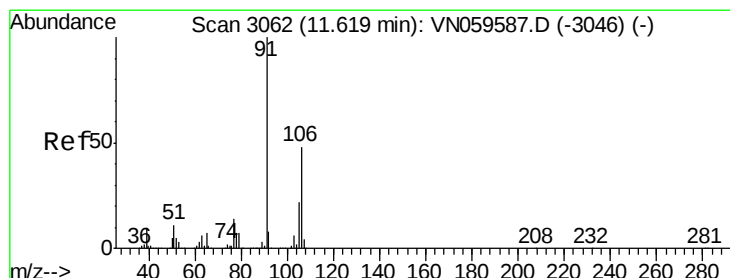
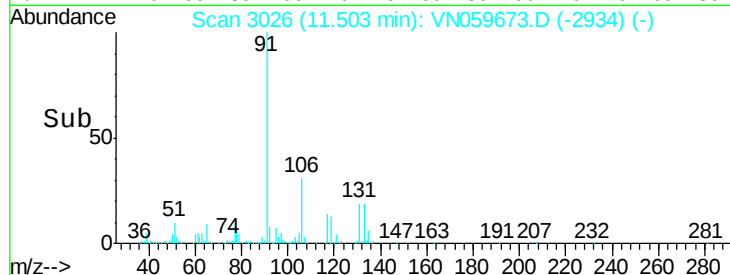
400000

200000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 106.580 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059673.D

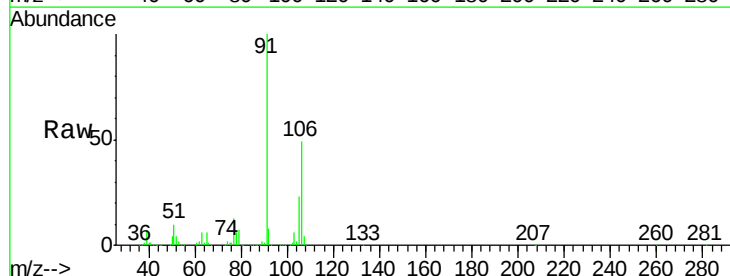
Acq: 19 Dec 2019 17:26

Tgt Ion: 106 Resp: 593364

Ion Ratio Lower Upper

106 100

91 204.7 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-3046) (-)

600000

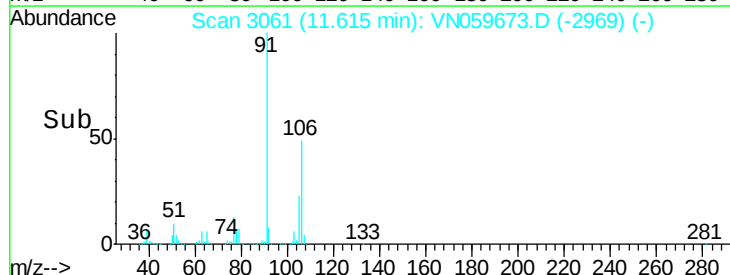
400000

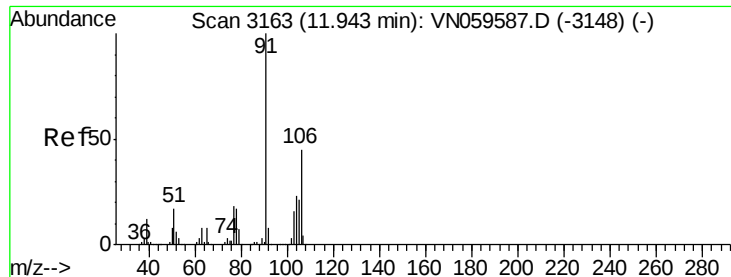
200000

0

11.50 11.60 11.70

Time-->





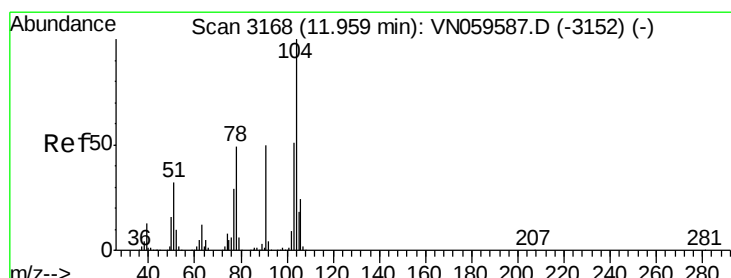
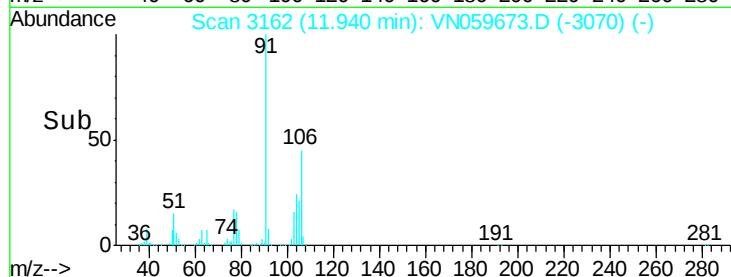
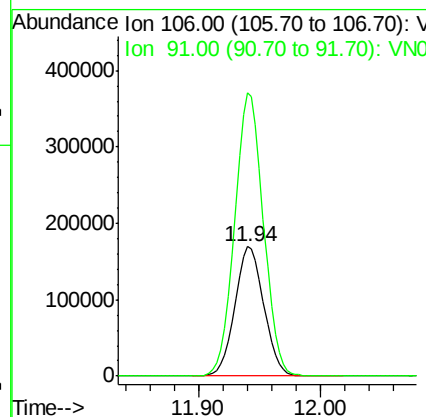
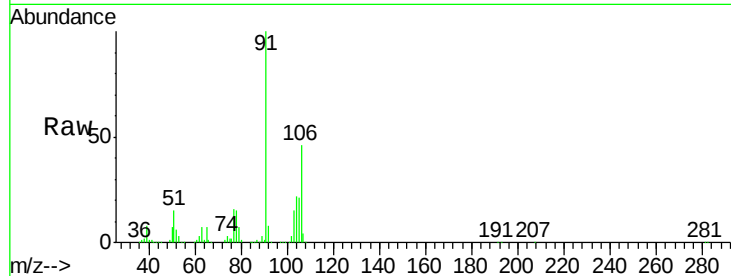
#69
o-Xylene
Concen: 52.669 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	217.8	110.3	330.9	

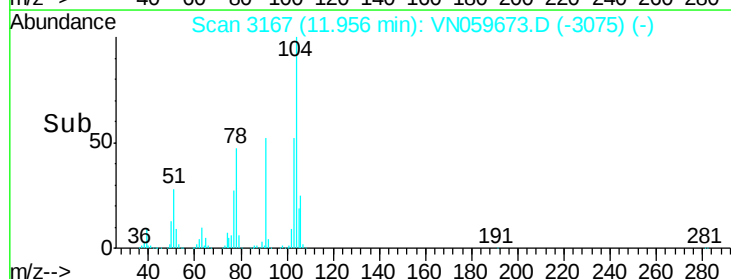
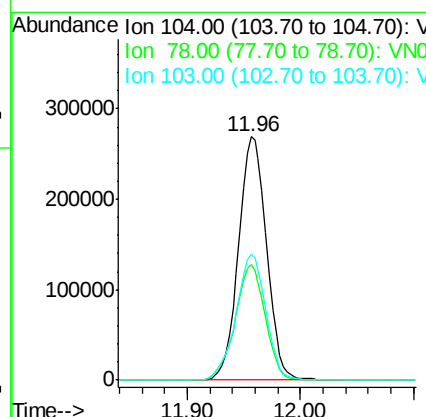
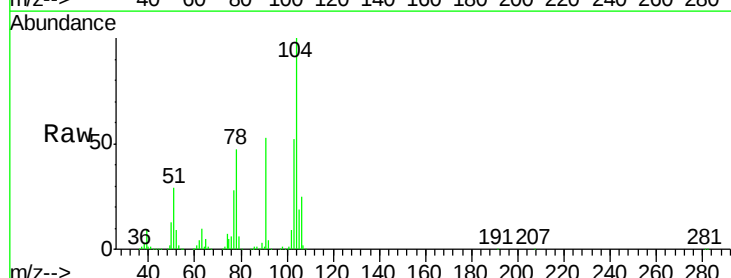
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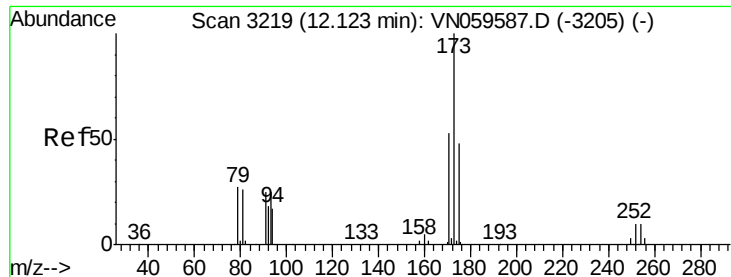
apatel
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#70
Styrene
Concen: 54.648 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.9	42.4	63.6	
103	55.2	43.9	65.9	





#71

Bromoform

Concen: 63.309 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

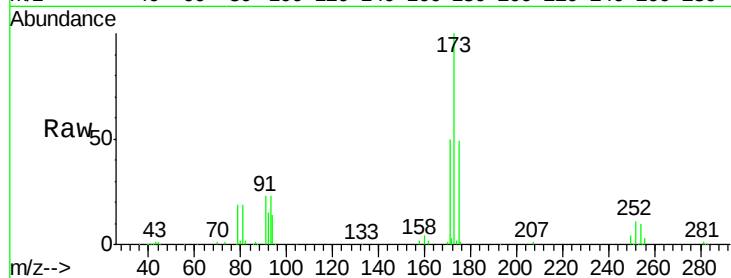
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.8	71.4
254	0.0	0.0	0.0

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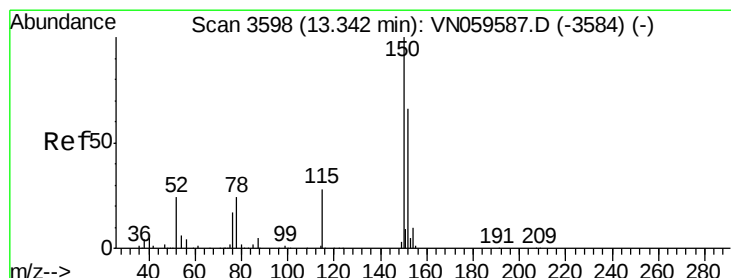
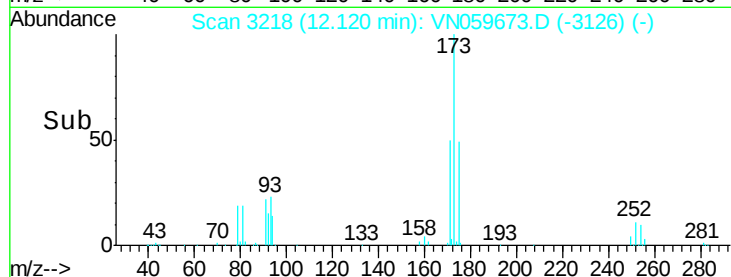
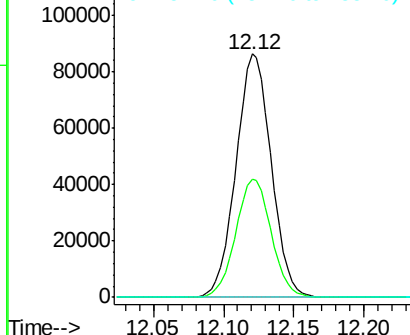


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

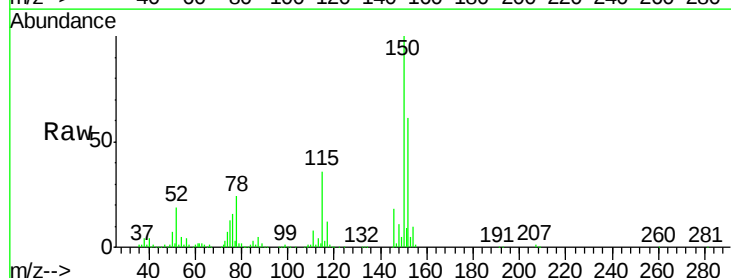
RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	30.3	90.9
150	175.8	0.0	345.2

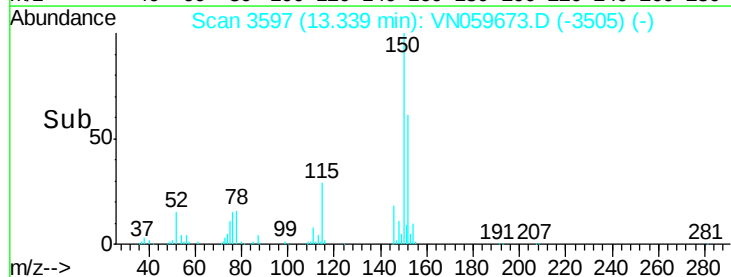
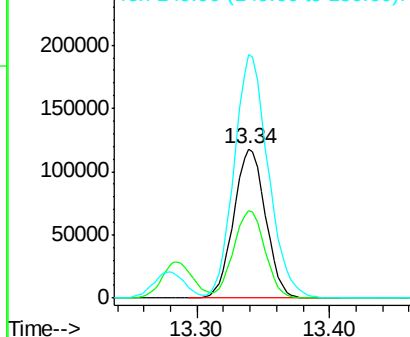


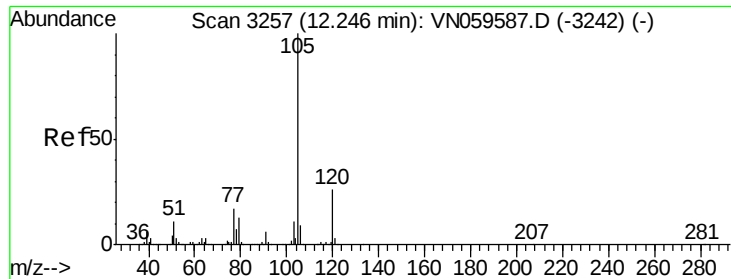
Abundance

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: 56.056 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 862455

Ion Ratio Lower Upper

105 100

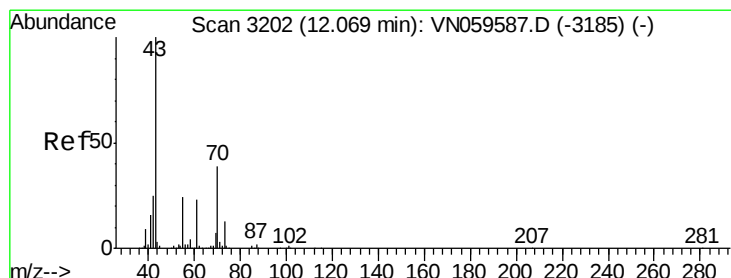
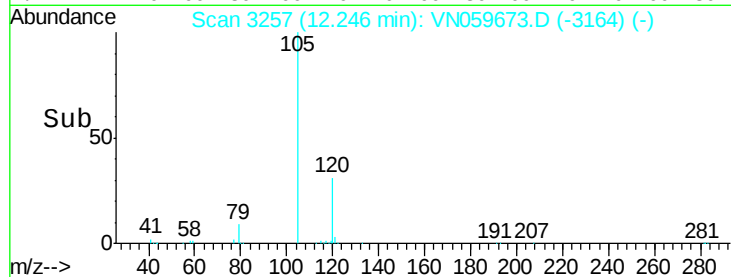
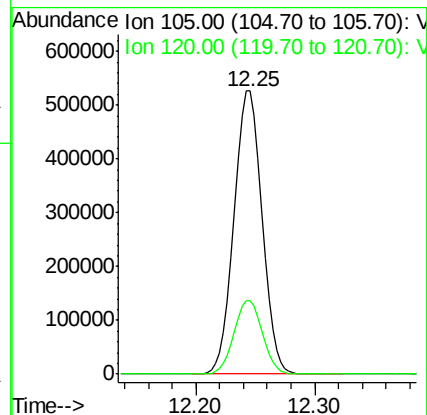
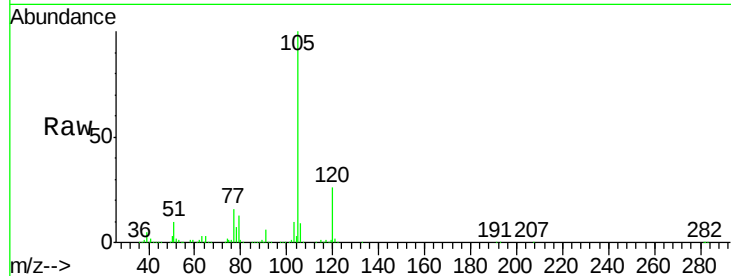
120 26.2 13.2 39.5

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#74

N-ethyl acetate

Concen: 56.577 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.01 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Tgt Ion: 43 Resp: 399290

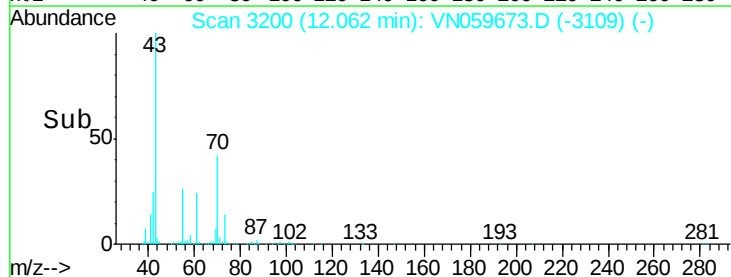
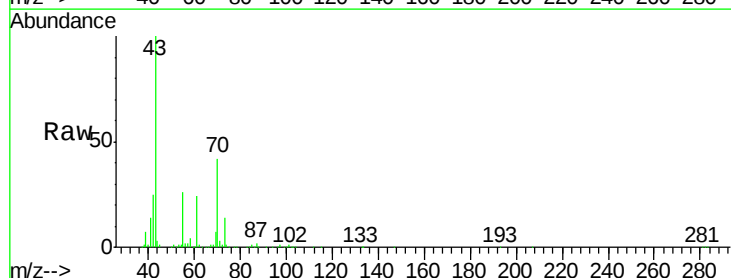
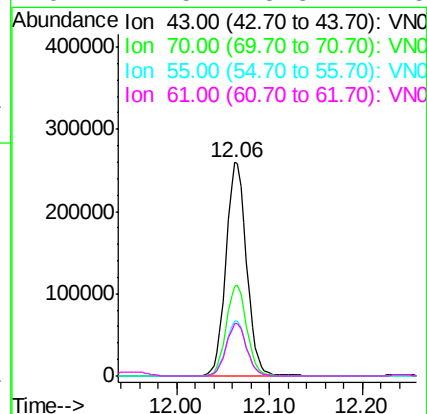
Ion Ratio Lower Upper

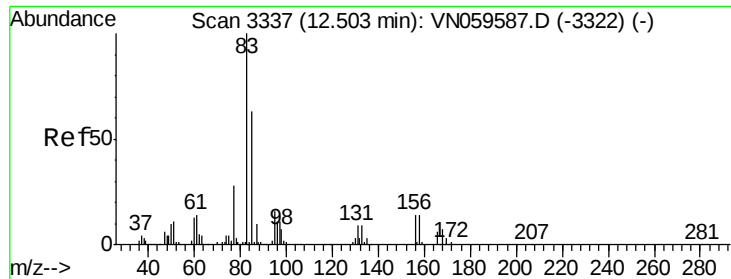
43 100

70 42.6 31.3 46.9

55 26.0 19.8 29.6

61 24.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 55.833 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

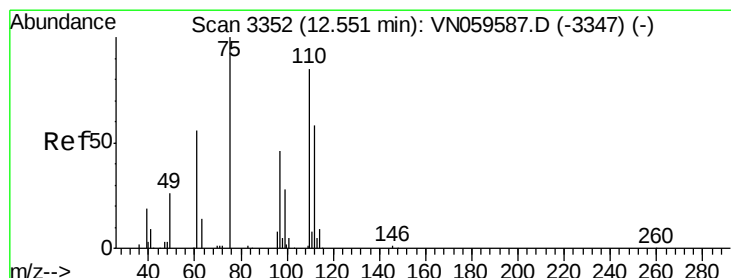
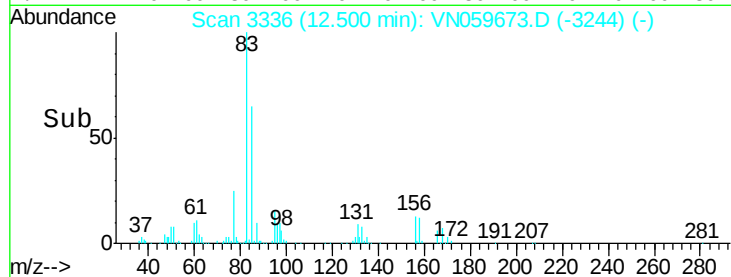
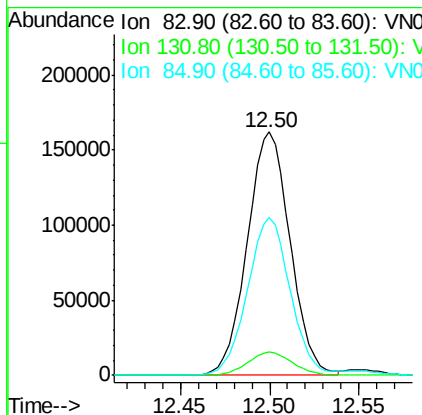
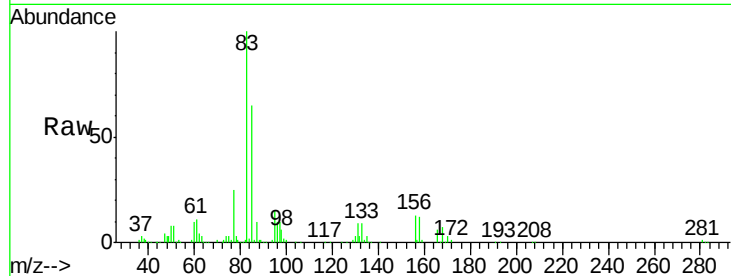
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	272493
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	14.9
85	64.5	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 55.396 ug/l m

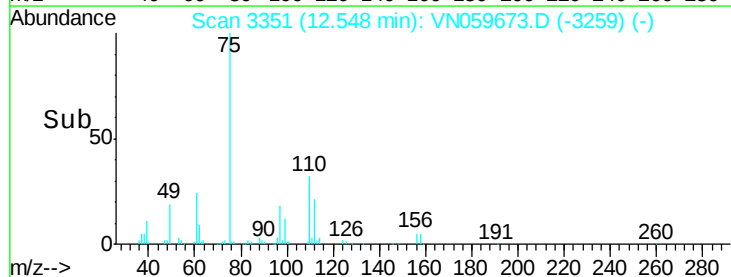
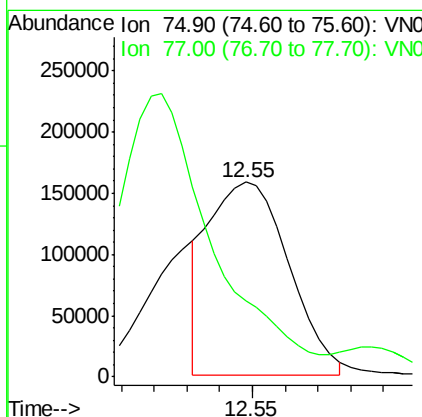
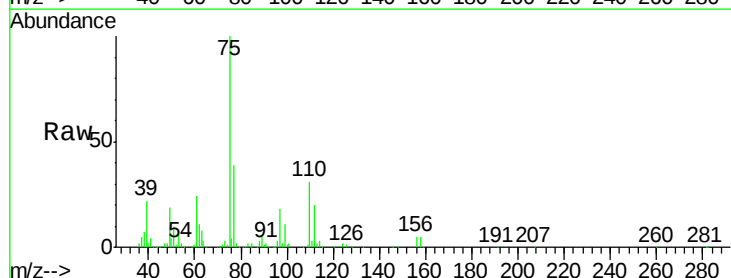
RT: 12.55 min Scan# 3351

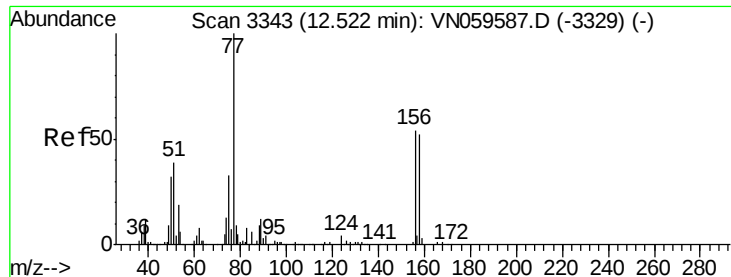
Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Tgt Ion:	75	Resp:	268778
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





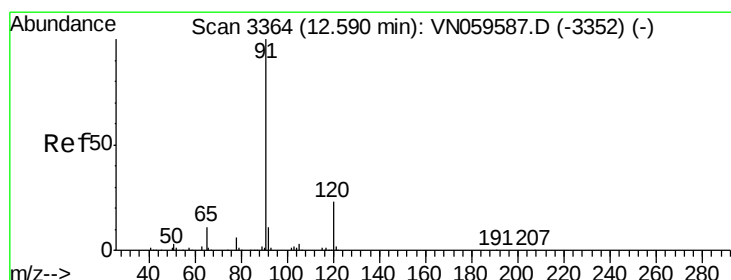
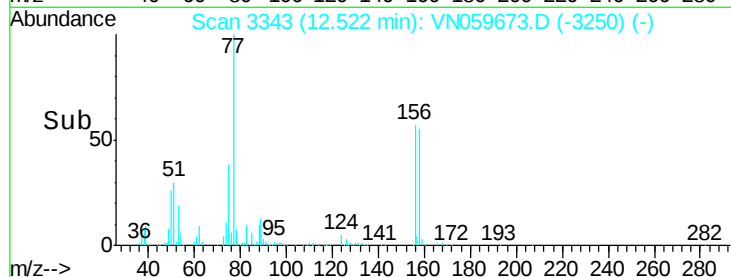
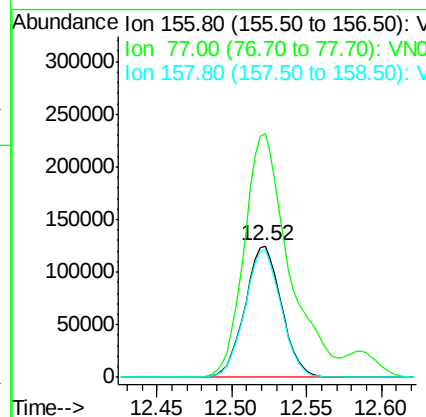
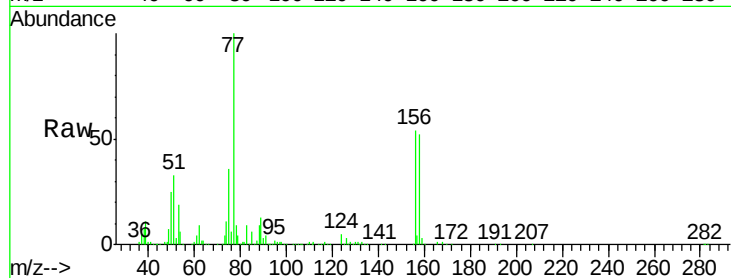
#77
Bromobenzene
Concen: 55.954 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	226.9	115.8	347.4
158	96.5	49.2	147.6

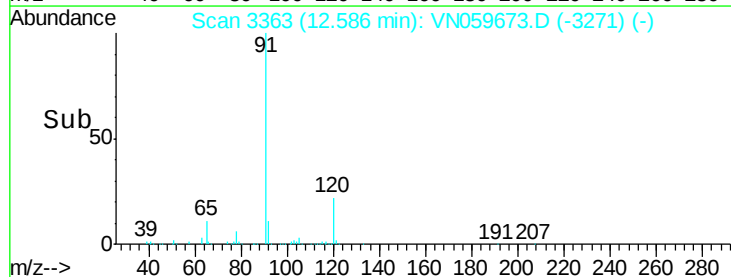
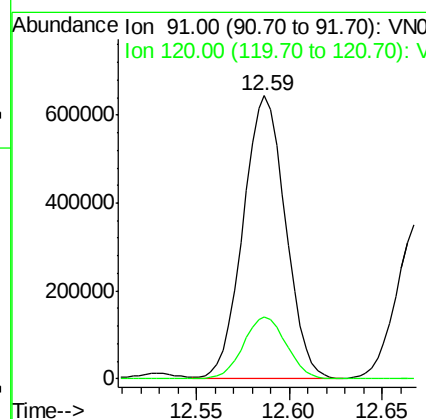
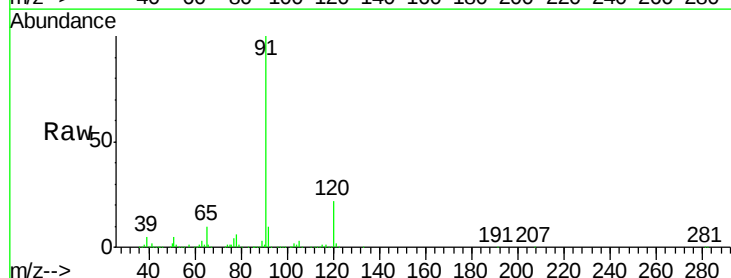
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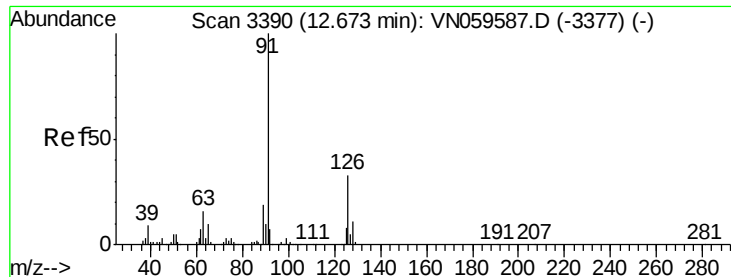
apatel
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#78
n-propylbenzene
Concen: 56.301 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3





#79

2-Chlorotoluene

Concen: 55.042 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 605319

Ion Ratio Lower Upper

91 100

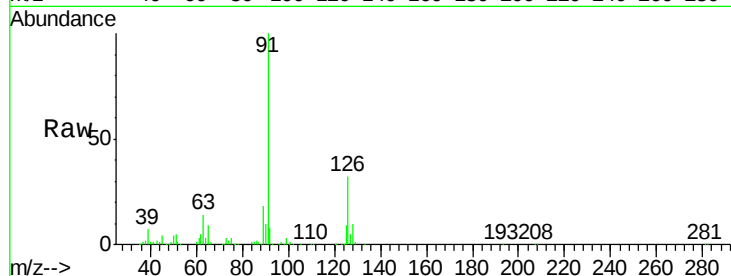
126 32.5 16.3 48.9

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Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059587.D (-3377) (-)

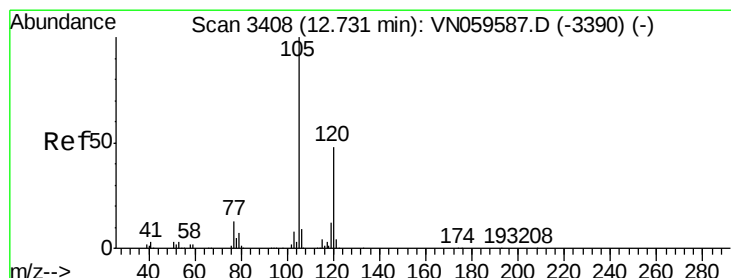
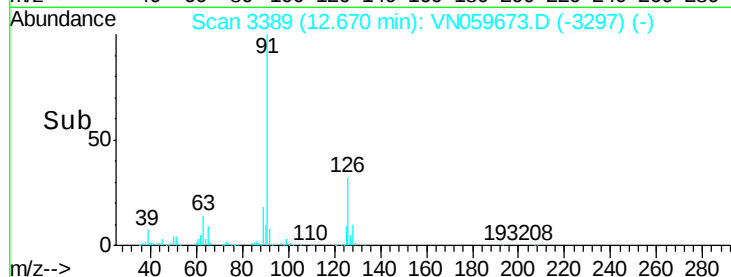
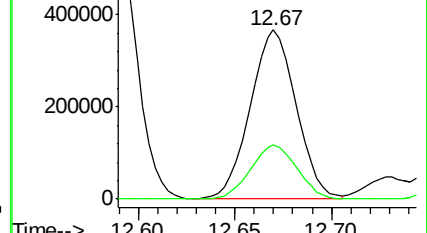
600000

400000

200000

0

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 55.853 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN059673.D

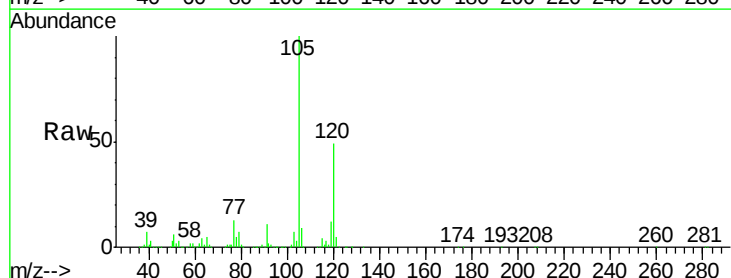
Acq: 19 Dec 2019 17:26

Tgt Ion: 105 Resp: 727204

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059587.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059587.D (-3390) (-)

500000

400000

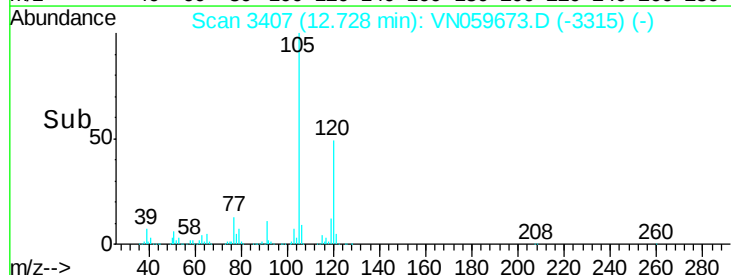
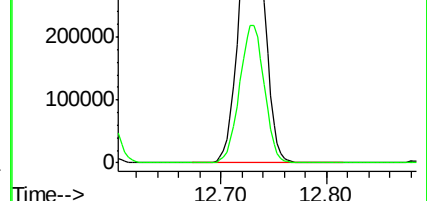
300000

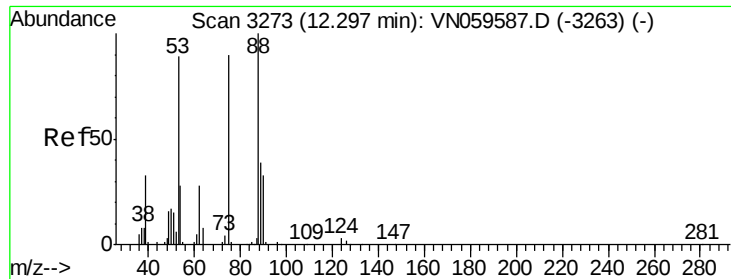
200000

100000

0

12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 57.296 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

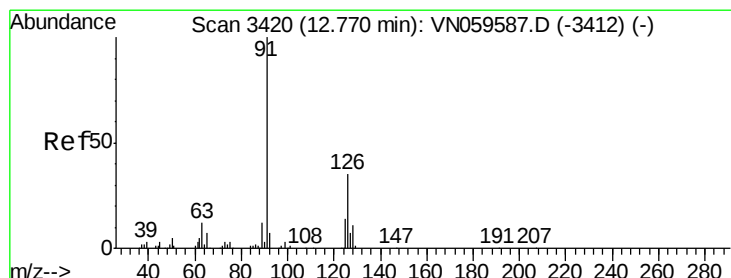
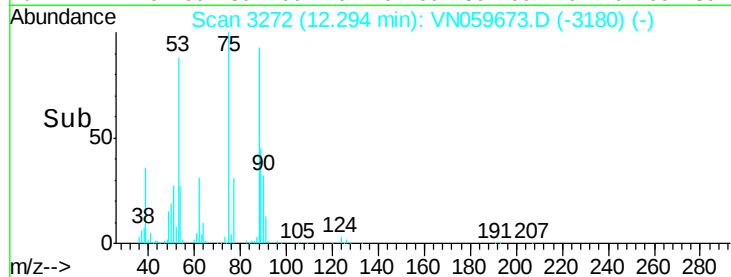
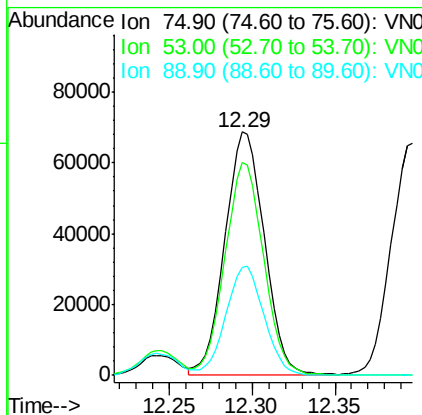
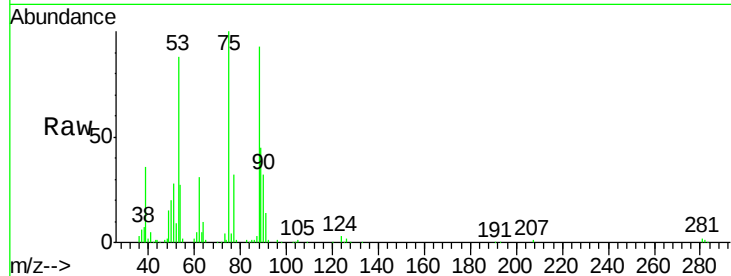
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	112554
Ion Ratio	Lower	Upper	
75	100		
53	86.9	78.1	117.1
89	44.0	35.4	53.2

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#82

4-Chlorotoluene

Concen: 54.524 ug/l

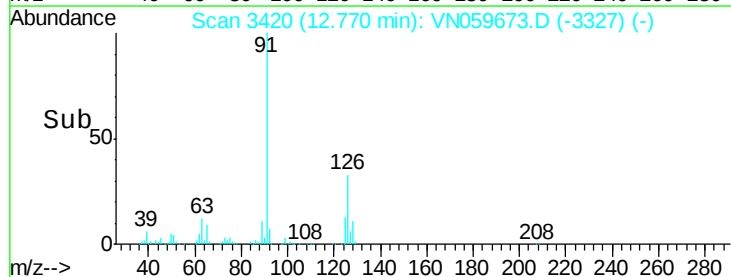
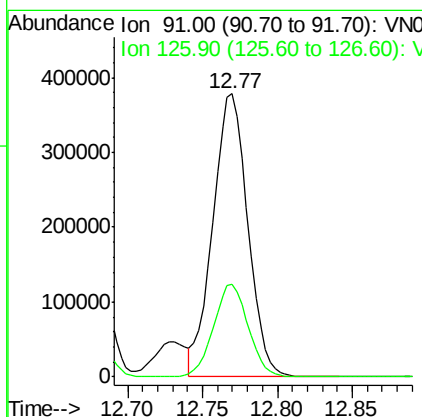
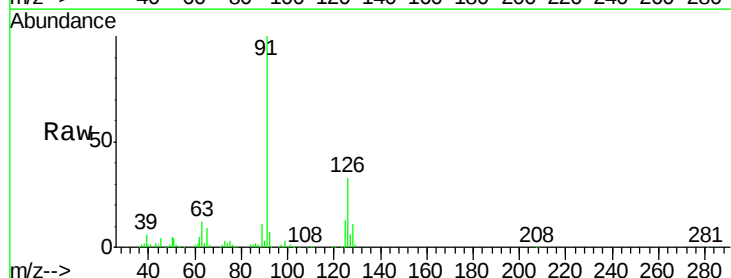
RT: 12.77 min Scan# 3420

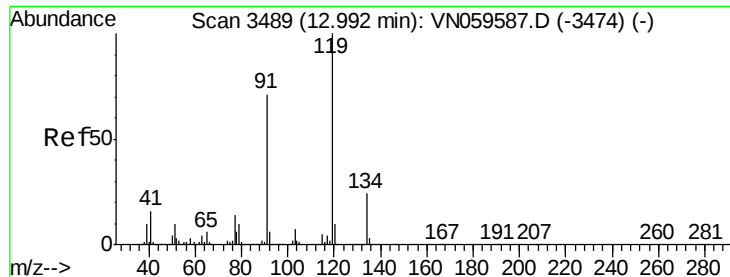
Delta R.T. 0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Tgt Ion:	91	Resp:	613944
Ion Ratio	Lower	Upper	
91	100		
126	32.6	16.3	48.8





#83

tert-Butylbenzene

Concen: 53.038 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

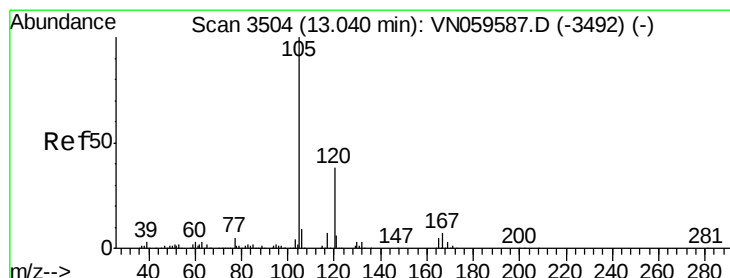
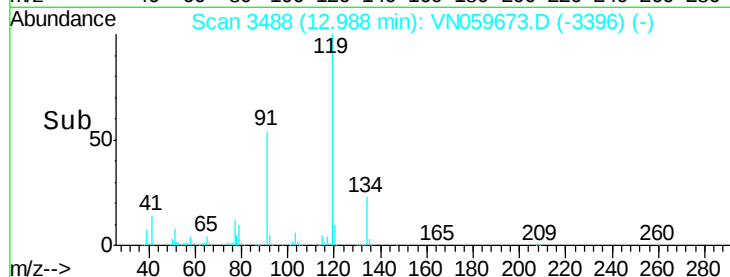
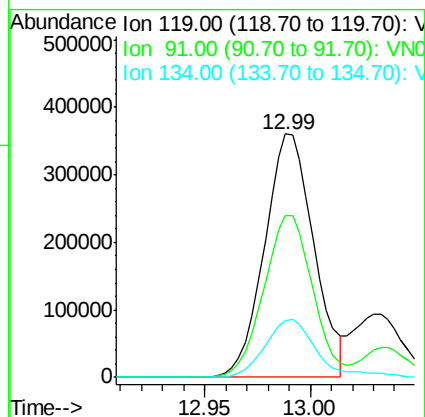
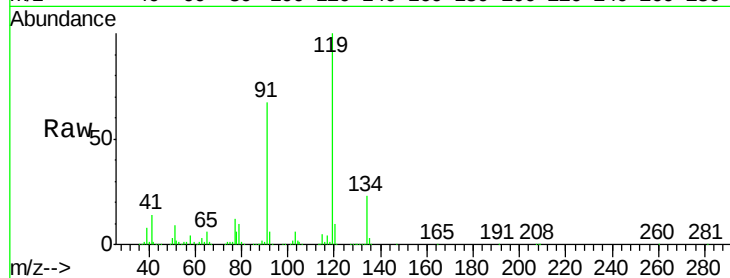
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	584810
Ion Ratio	Lower	Upper	
119	100		
91	66.0	34.8	104.4
134	25.2	12.3	36.9

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#84

1,2,4-Trimethylbenzene

Concen: 54.661 ug/l

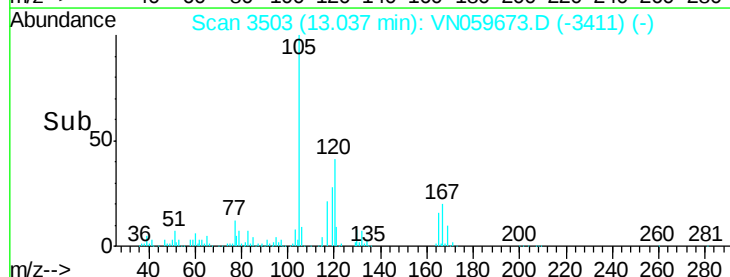
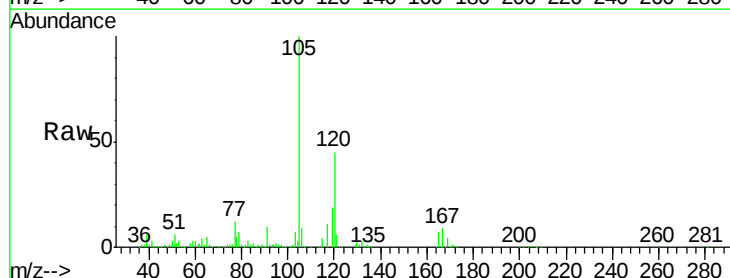
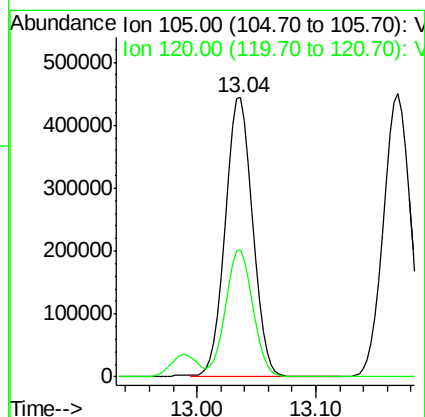
RT: 13.04 min Scan# 3503

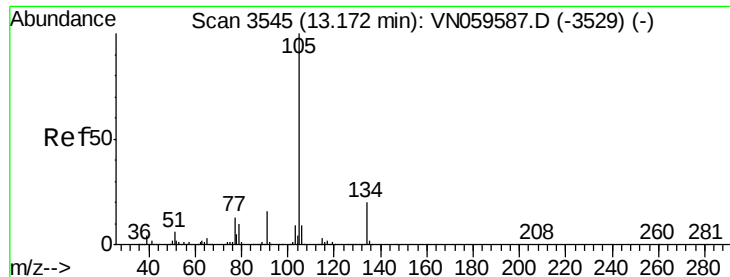
Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Tgt Ion:	105	Resp:	707661
Ion Ratio	Lower	Upper	
105	100		
120	45.4	22.3	66.9





#85

sec-Butylbenzene

Concen: 48.989 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 718531

Ion Ratio Lower Upper

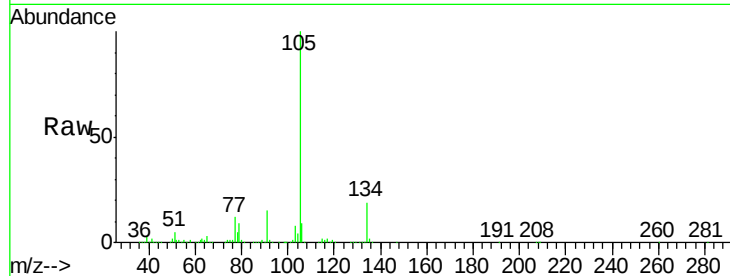
105 100

134 19.6 9.8 29.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

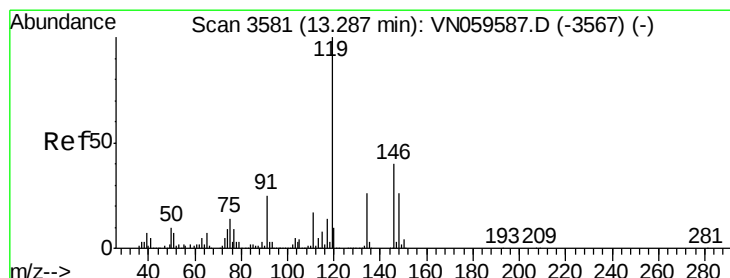
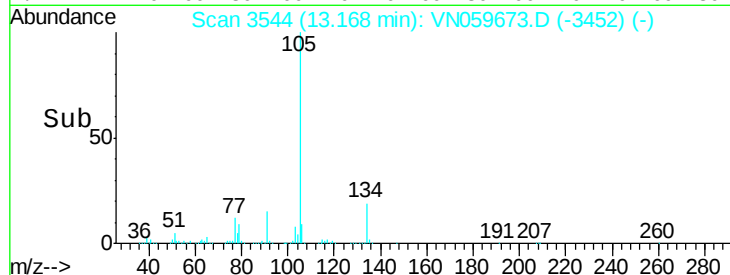
300000

200000

100000

0

Time--> 13.10 13.20



#86

p-Isopropyltoluene

Concen: 49.765 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

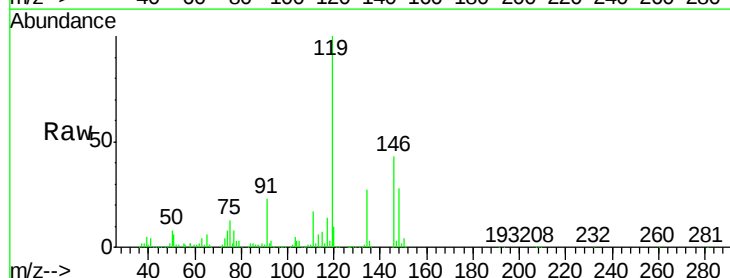
Tgt Ion:119 Resp: 661083

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.7

91 23.2 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

400000

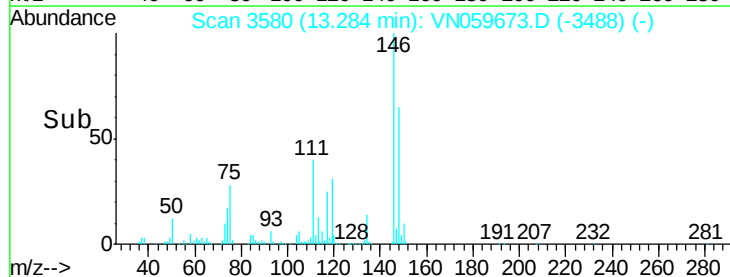
300000

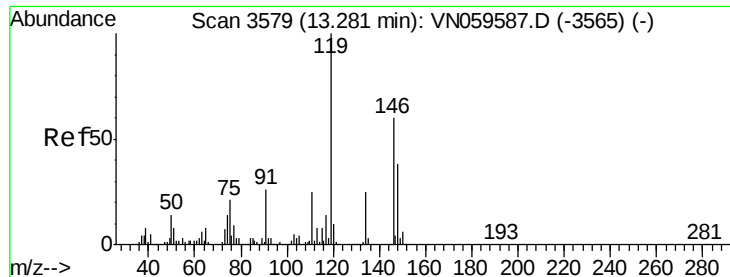
200000

100000

0

Time--> 13.20 13.25 13.30 13.35





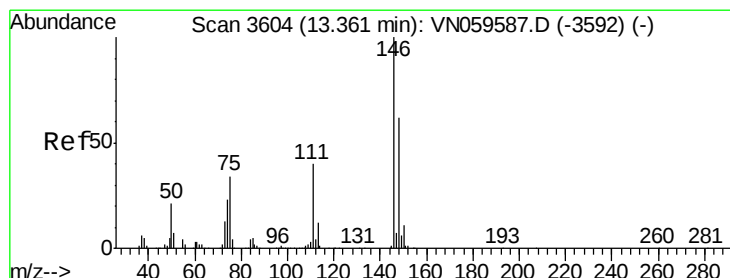
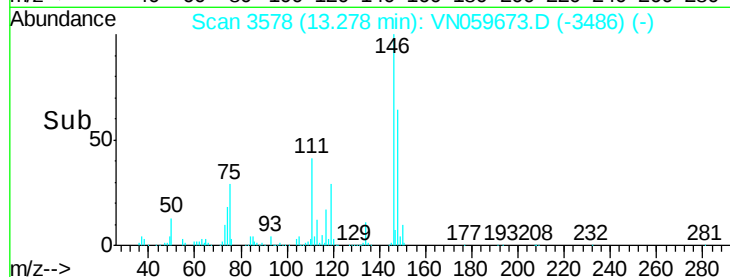
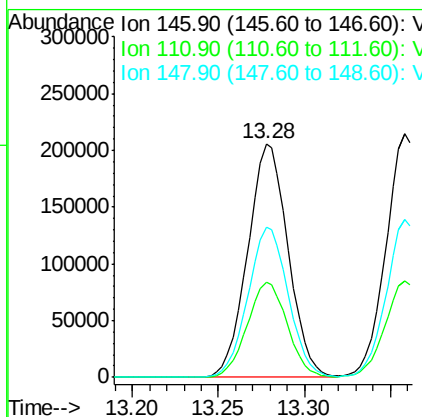
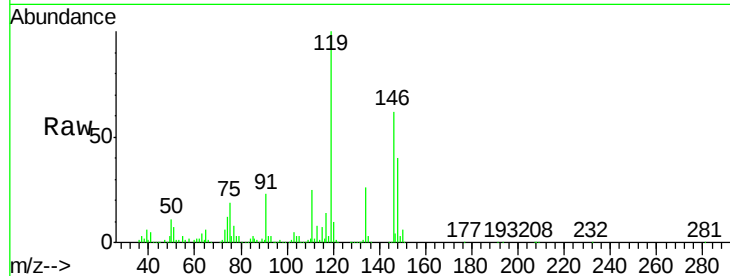
#87
 1,3-Dichlorobenzene
 Concen: 48.035 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN059673.D
 Acq: 19 Dec 2019 17:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.8	62.2
148	64.2	32.0	96.0

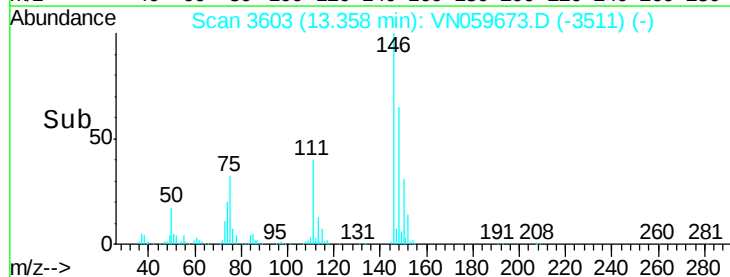
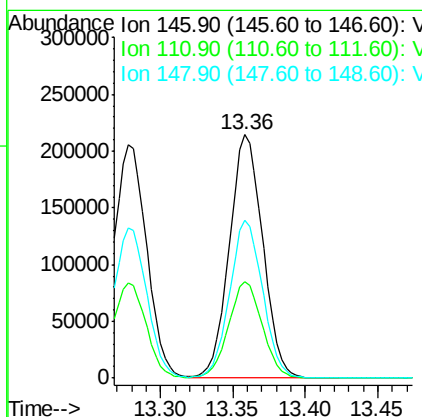
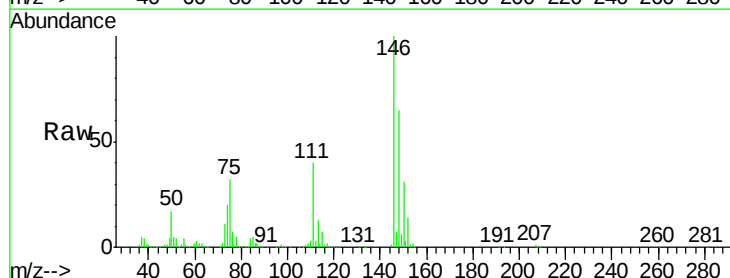
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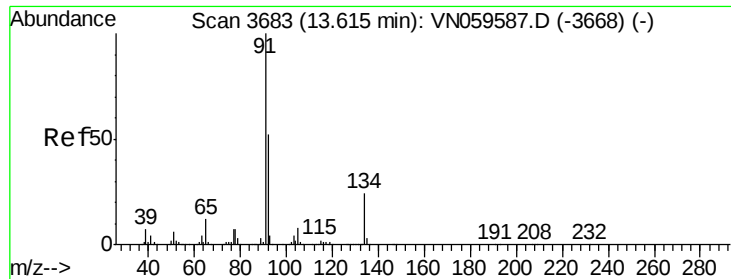
apatel
 12/20/2019 9:20:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.828 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN059673.D
 Acq: 19 Dec 2019 17:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.8	62.2
148	64.0	31.8	95.4





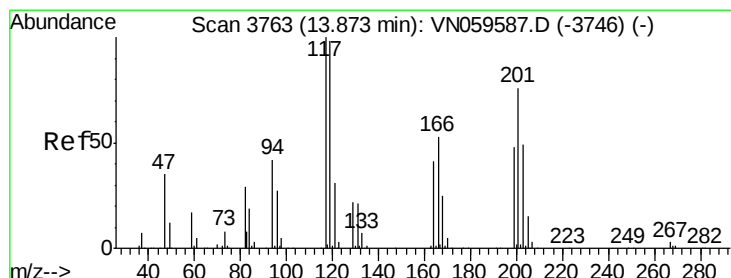
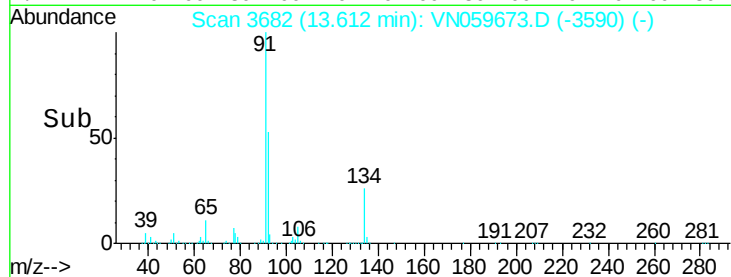
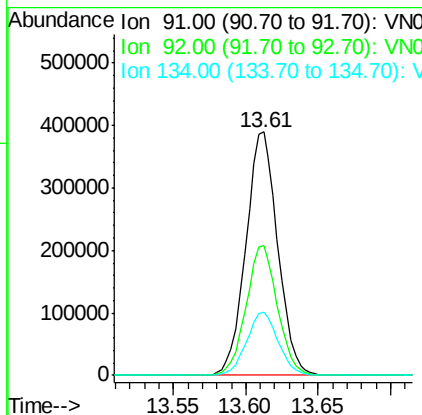
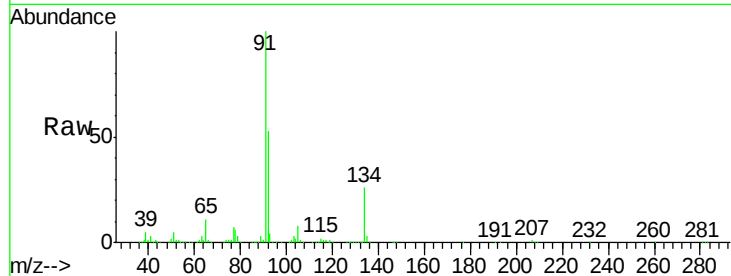
#89
n-Butylbenzene
Concen: 47.741 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.9	77.7
134	25.8	12.3	36.8

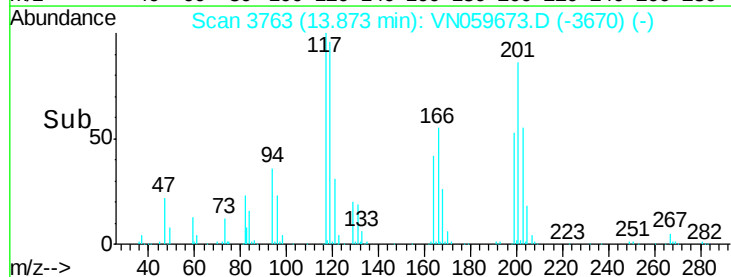
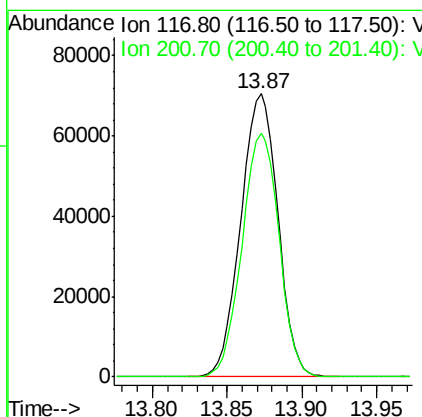
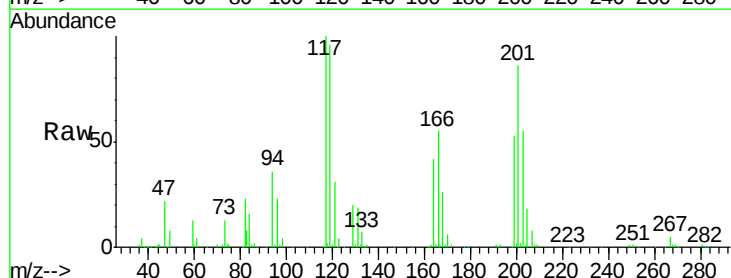
Manual Integrations
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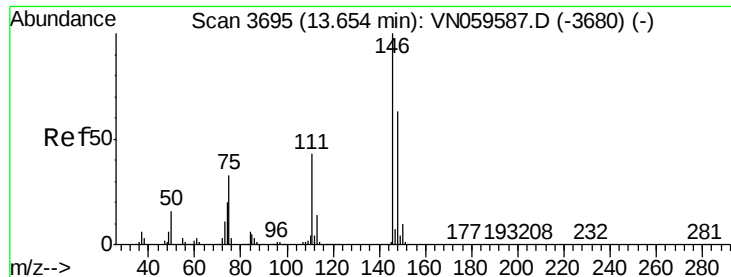
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#90
Hexachloroethane
Concen: 48.696 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 49.201 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Instrument :

MSVOA_N

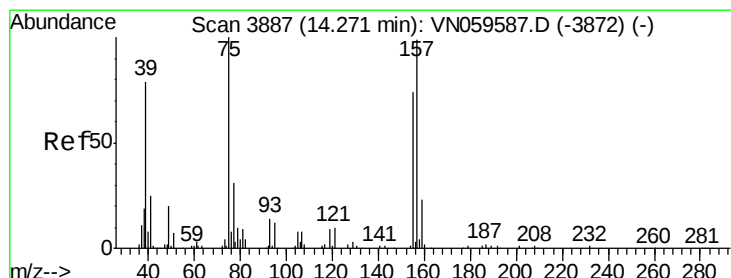
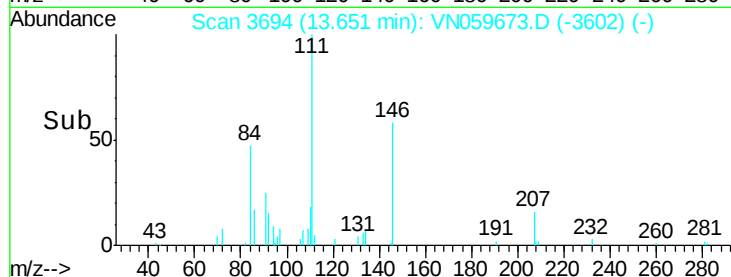
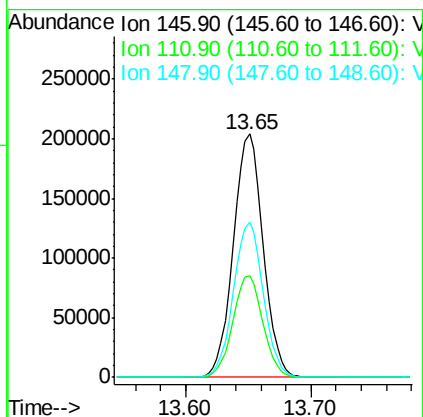
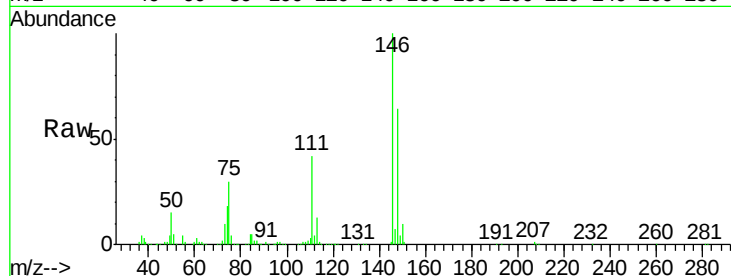
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	337595
Ion Ratio	Lower	Upper	
146	100		
111	41.8	21.6	64.8
148	63.7	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 40.622 ug/l

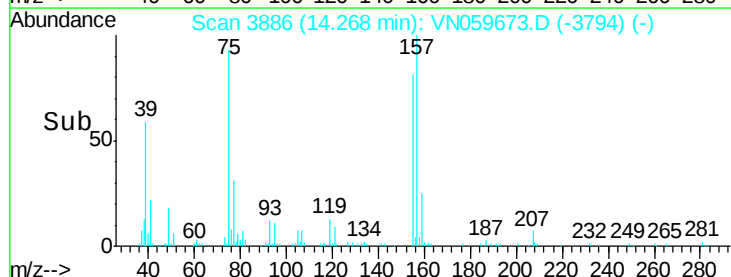
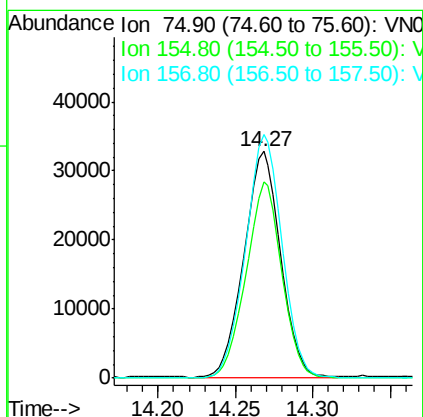
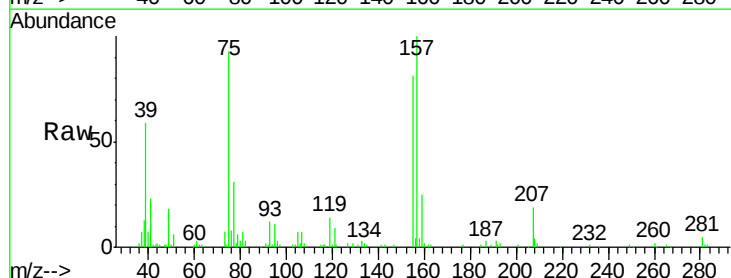
RT: 14.27 min Scan# 3886

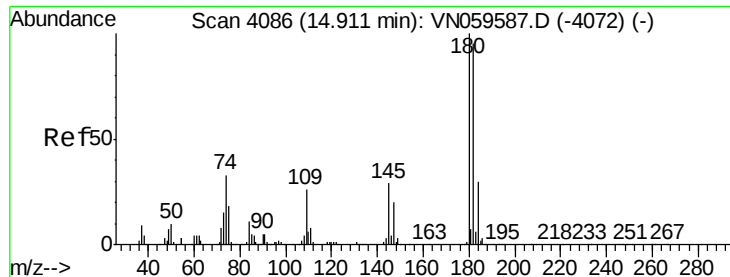
Delta R.T. -0.00 min

Lab File: VN059673.D

Acq: 19 Dec 2019 17:26

Tgt Ion:	75	Resp:	53824
Ion Ratio	Lower	Upper	
75	100		
155	84.8	37.0	110.9
157	107.6	48.4	145.2





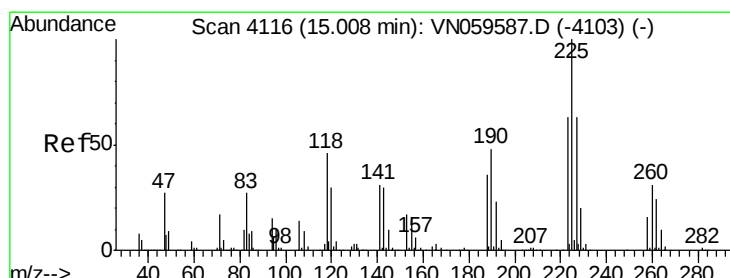
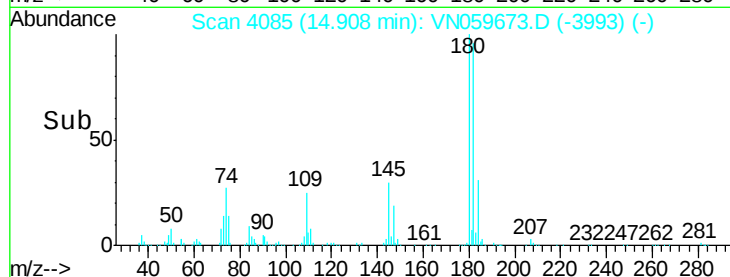
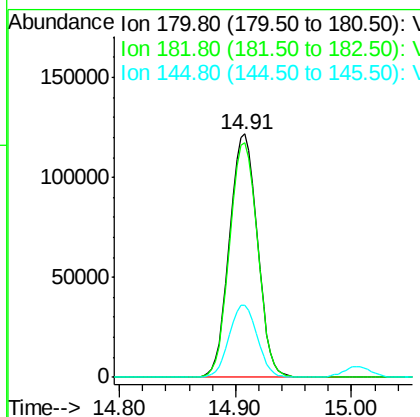
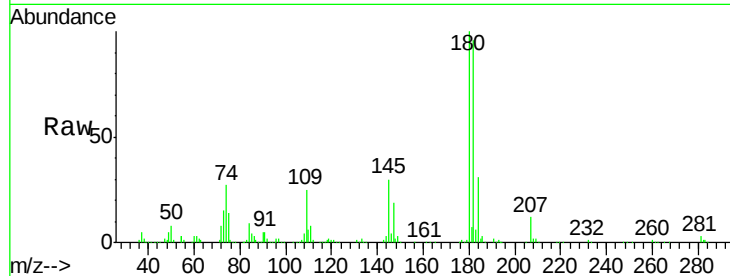
#93
 1,2,4-Trichlorobenzene
 Concen: 45.583 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059673.D
 Acq: 19 Dec 2019 17:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	201966		
182	96.6	46.9	140.7	
145	29.8	15.0	45.1	

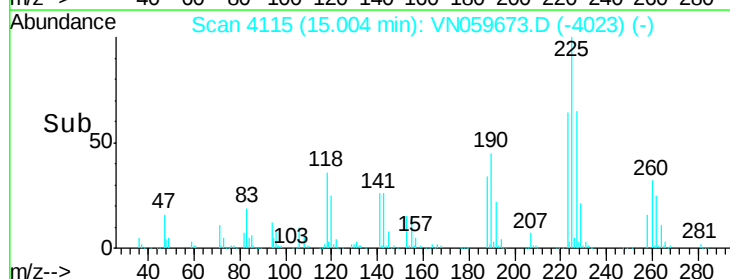
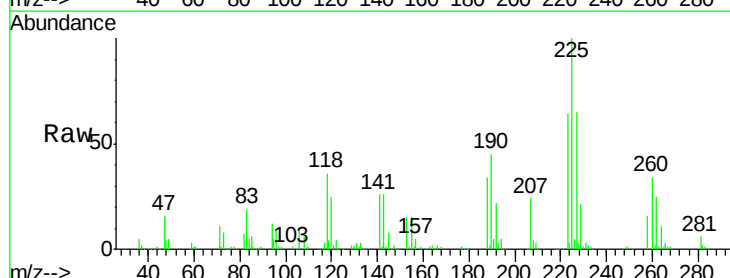
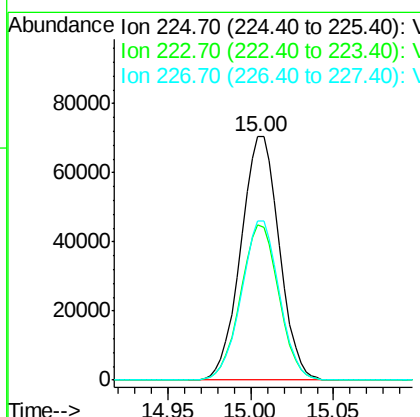
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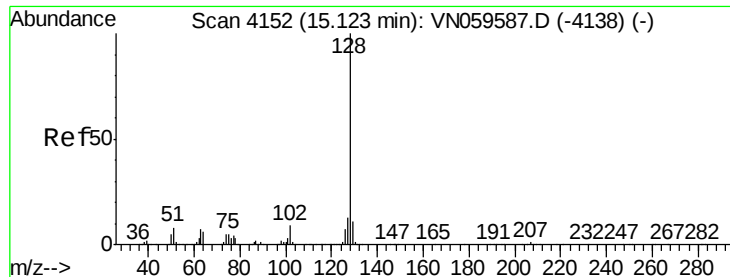
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#94
 Hexachlorobutadiene
 Concen: 49.197 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN059673.D
 Acq: 19 Dec 2019 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113713		
223	63.4	31.8	95.3	
227	64.2	32.1	96.5	





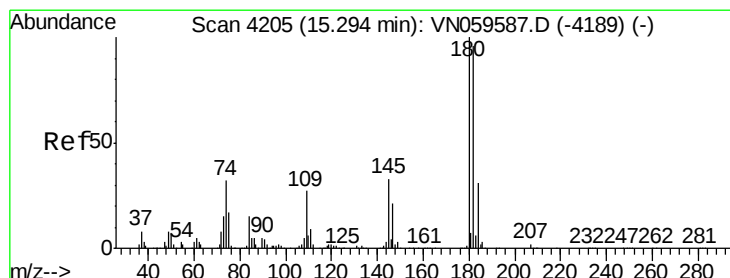
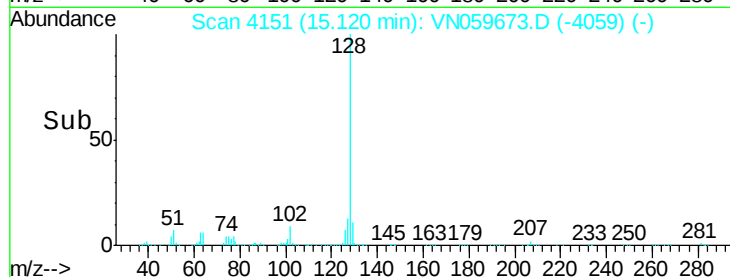
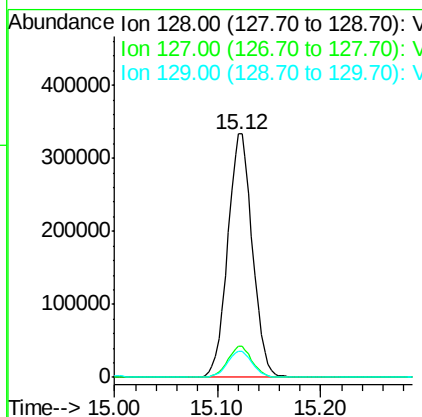
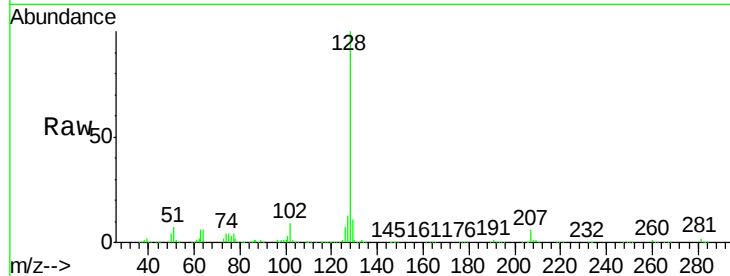
#95
Naphthalene
Concen: 42.022 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	555836		
127	12.6		10.4	15.6
129	10.8		8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 42.164 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059673.D
Acq: 19 Dec 2019 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	188949		
182	96.6		47.4	142.3
145	31.6		16.3	48.9

