

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059593.D
 Acq On : 13 Dec 2019 18:56
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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Quant Time: Dec 13 22:58:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 22:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	237439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	383656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	344953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150517	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	18434	5.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.82%	
35) Dibromofluoromethane	7.57	113	12906	5.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.08%	
50) Toluene-d8	10.08	98	48967	5.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.22%	
62) 4-Bromofluorobenzene	12.40	95	16633	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	14062	4.981	ug/l	93
3) Chloromethane	2.04	50	21361	4.942	ug/l	96
4) Vinyl Chloride	2.17	62	20144	4.777	ug/l	96
5) Bromomethane	2.53	94	11809m	4.582	ug/l	
6) Chloroethane	2.67	64	11123	4.446	ug/l	89
7) Trichlorofluoromethane	2.99	101	22074	4.396	ug/l	99
8) Diethyl Ether	3.38	74	6784	3.972	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	11081	4.276	ug/l	95
10) Methyl Iodide	3.92	142	12563	3.547	ug/l #	94
11) Tert butyl alcohol	4.75	59	12085	20.982	ug/l	100
12) 1,1-Dichloroethene	3.71	96	9842	3.885	ug/l	95
13) Acrolein	3.58	56	5431	16.538	ug/l	93
14) Allyl chloride	4.29	41	19633	4.040	ug/l	96
15) Acrylonitrile	4.96	53	30722	20.702	ug/l	99
16) Acetone	3.79	43	39083	23.317	ug/l	100
17) Carbon Disulfide	4.02	76	34134	3.669	ug/l	98
18) Methyl Acetate	4.30	43	17482	4.189	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	34932	4.152	ug/l	98
20) Methylene Chloride	4.52	84	12670	3.946	ug/l	95
21) trans-1,2-Dichloroethene	5.00	96	11539	4.258	ug/l	89
22) Diisopropyl ether	5.92	45	36969	3.998	ug/l #	84
23) Vinyl Acetate	5.86	43	140357	18.324	ug/l	100
24) 1,1-Dichloroethane	5.82	63	22138	4.211	ug/l	97
25) 2-Butanone	6.81	43	46056	21.183	ug/l	97
26) 2,2-Dichloropropane	6.80	77	19860	4.179	ug/l	79
27) cis-1,2-Dichloroethene	6.81	96	12567	4.117	ug/l	95
28) Bromochloromethane	7.17	49	5005	2.924	ug/l #	97
29) Tetrahydrofuran	7.19	42	28381	19.132	ug/l	99
30) Chloroform	7.35	83	22088	4.261	ug/l	98
31) Cyclohexane	7.64	56	23322	4.564	ug/l #	76
32) 1,1,1-Trichloroethane	7.55	97	18640	4.051	ug/l	99
36) 1,1-Dichloropropene	7.77	75	15794	3.951	ug/l	97
37) Ethyl Acetate	6.91	43	17416	4.181	ug/l	99
38) Carbon Tetrachloride	7.75	117	17250	4.367	ug/l	96

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 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	18113	4.044	ug/l	94
40) Benzene	8.02	78	49048	4.286	ug/l	100
41) Methacrylonitrile	7.14	41	6435	3.353	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	18385	4.304	ug/l	96
43) Isopropyl Acetate	8.15	43	27653	3.993	ug/l #	90
44) Trichloroethene	8.82	130	12913	4.453	ug/l	100
45) 1,2-Dichloropropane	9.10	63	12383	4.088	ug/l	95
46) Dibromomethane	9.19	93	8292	4.131	ug/l	98
47) Bromodichloromethane	9.39	83	16331	4.101	ug/l	97
48) Methyl methacrylate	9.18	41	12325	4.054	ug/l	95
49) 1,4-Dioxane	9.19	88	3631	89.282	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	81574	20.259	ug/l	97
52) Toluene	10.15	92	28257	4.138	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	18170	3.911	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	19195	4.031	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	11484	4.158	ug/l	96
56) Ethyl methacrylate	10.42	69	13732	3.364	ug/l	93
57) 1,3-Dichloropropane	10.70	76	20064	4.251	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	15119	11.695	ug/l	99
59) 2-Hexanone	10.75	43	61387	20.117	ug/l	97
60) Dibromochloromethane	10.90	129	11924	3.982	ug/l	96
61) 1,2-Dibromoethane	11.00	107	11366	3.958	ug/l	99
64) Tetrachloroethene	10.62	164	13164	4.918	ug/l	94
65) Chlorobenzene	11.43	112	29849	4.052	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	11369	4.132	ug/l	96
67) Ethyl Benzene	11.51	91	52349	3.955	ug/l	100
68) m/p-Xylenes	11.62	106	37657	7.681	ug/l	97
69) o-Xylene	11.94	106	17318	3.783	ug/l	93
70) Styrene	11.96	104	26715	3.524	ug/l	97
71) Bromoform	12.12	173	8130	3.811	ug/l #	99
73) Isopropylbenzene	12.25	105	47486	4.036	ug/l	100
74) N-amyl acetate	12.07	43	19396	3.763	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	15504	3.948	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	17011m	4.295	ug/l	
77) Bromobenzene	12.52	156	11883	4.117	ug/l	98
78) n-propylbenzene	12.59	91	53772	3.759	ug/l	99
79) 2-Chlorotoluene	12.67	91	34062	3.990	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	39273	3.945	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	5451	3.635	ug/l	95
82) 4-Chlorotoluene	12.77	91	34415	3.957	ug/l	99
83) tert-Butylbenzene	12.99	119	33028	3.985	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	38007	3.871	ug/l	99
85) sec-Butylbenzene	13.17	105	44088	3.883	ug/l	99
86) p-Isopropyltoluene	13.29	119	38822	3.833	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	21223	4.013	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	21620	4.184	ug/l	94
89) n-Butylbenzene	13.62	91	35807	3.750	ug/l	96
90) Hexachloroethane	13.88	117	8128	4.342	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	20790	4.173	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4272	4.291	ug/l	86

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MSVOA_N
ClientSampleId :
VSTDICC005

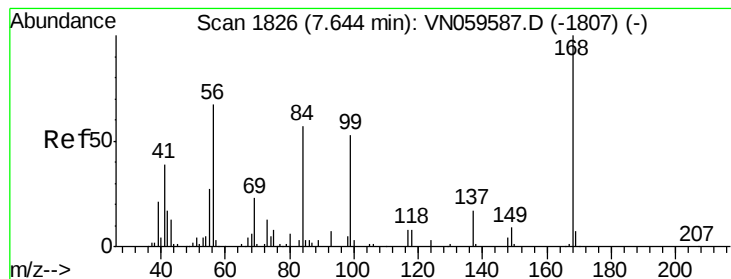
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	11894	3.510	ug/l	99
94) Hexachlorobutadiene	15.01	225	7112	4.157	ug/l	98
95) Naphthalene	15.13	128	33267	3.332	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	12479	3.583	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 237439

Ion Ratio Lower Upper

168 100

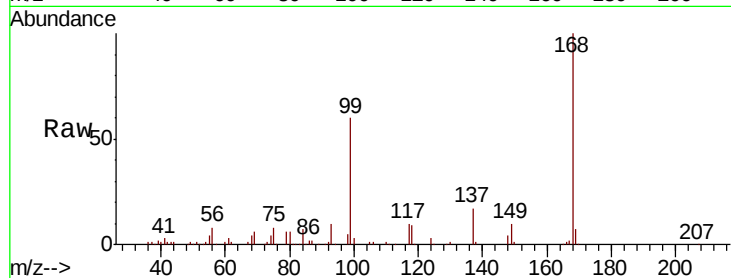
99 59.8 48.2 72.4

Manual Integrations

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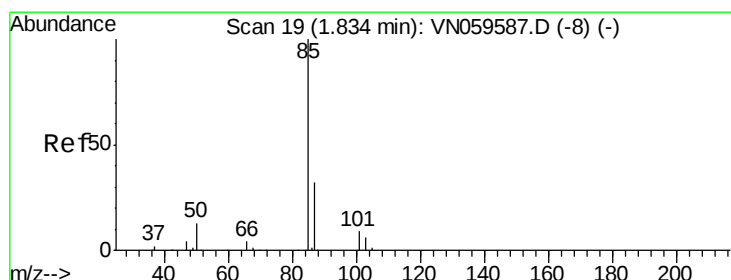
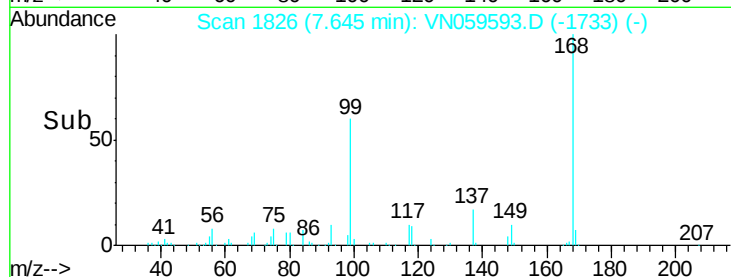
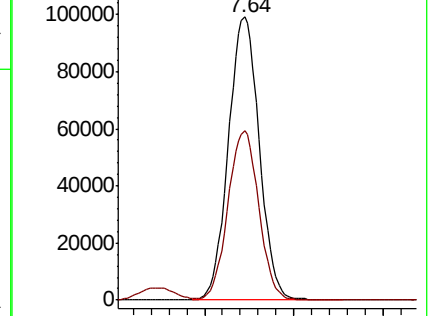
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC



#2

Dichlorodifluoromethane

Concen: 4.981 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059593.D

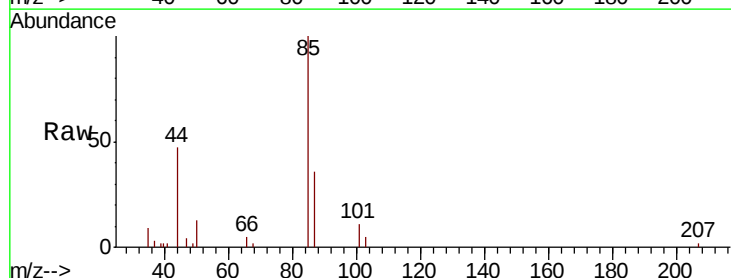
Acq: 13 Dec 2019 18:56

Tgt Ion: 85 Resp: 14062

Ion Ratio Lower Upper

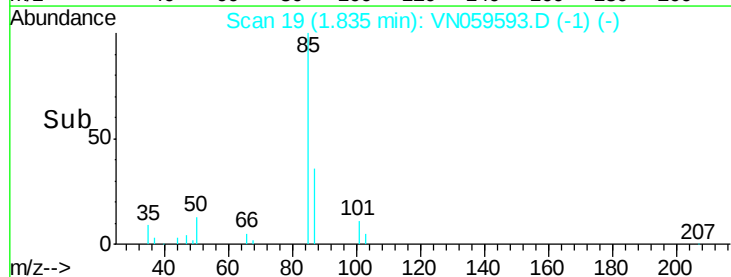
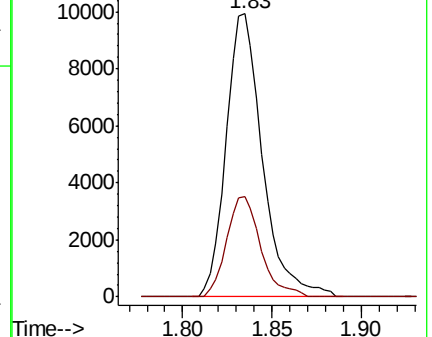
85 100

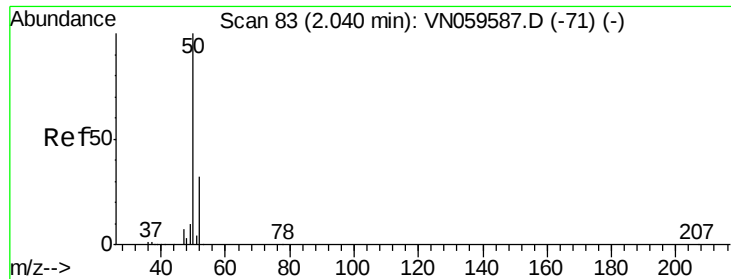
87 35.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC





#3

Chloromethane

Concen: 4.942 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 21361

Ion Ratio Lower Upper

50 100

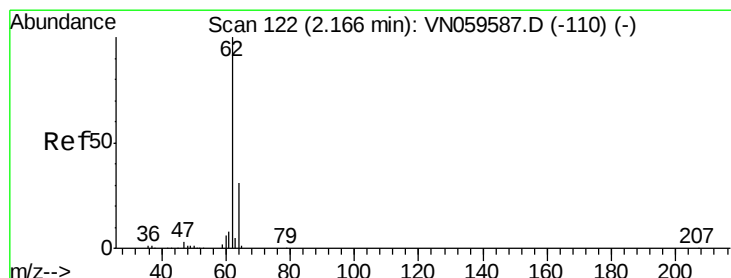
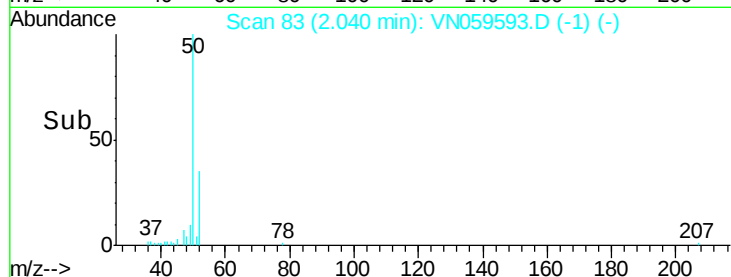
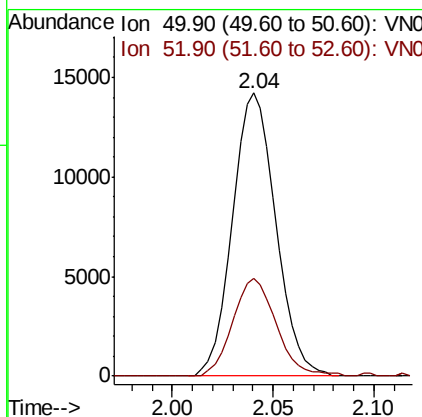
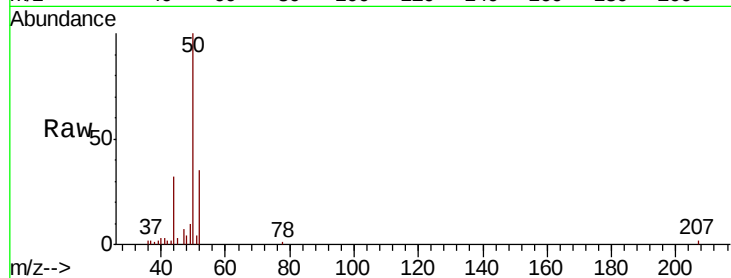
52 34.7 25.9 38.9

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#4

Vinyl Chloride

Concen: 4.777 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059593.D

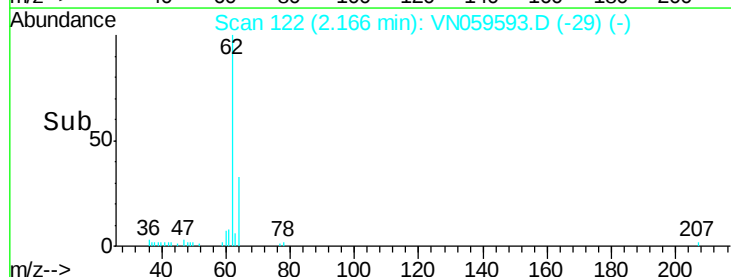
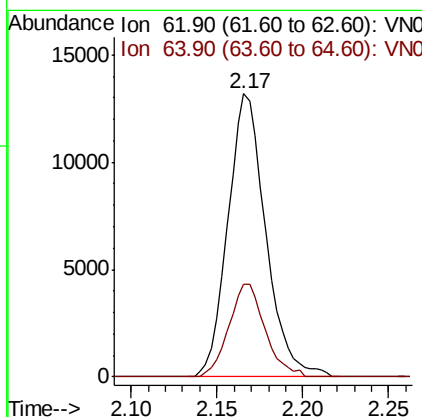
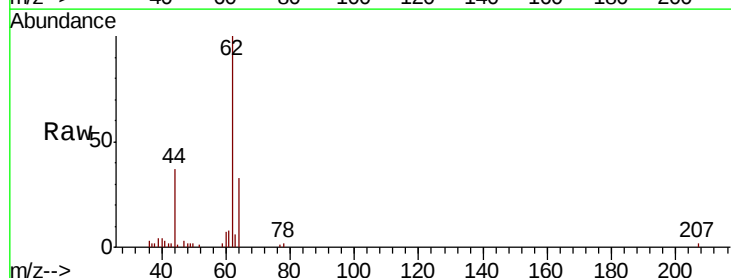
Acq: 13 Dec 2019 18:56

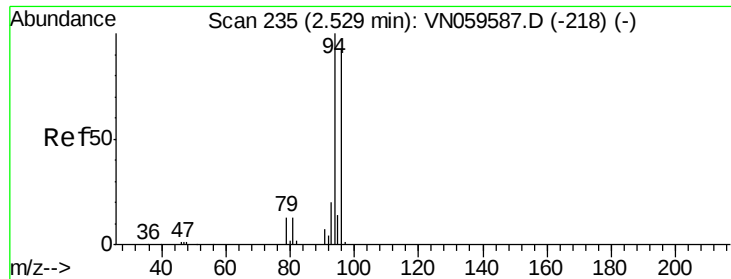
Tgt Ion: 62 Resp: 20144

Ion Ratio Lower Upper

62 100

64 32.7 24.6 37.0





#5

Bromomethane

Concen: 4.582 ug/l m

RT: 2.53 min Scan# 234

Delta R.T. -0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 11809

Ion Ratio Lower Upper

94 100

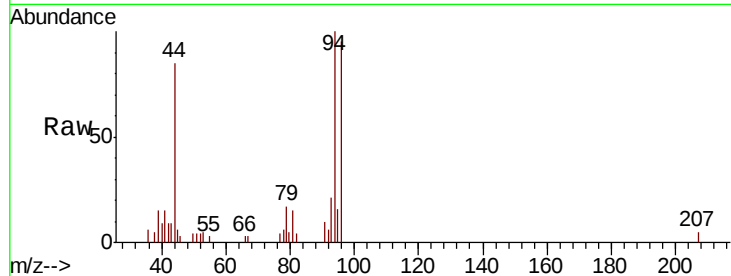
96 95.5 74.7 112.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

6000

5000

4000

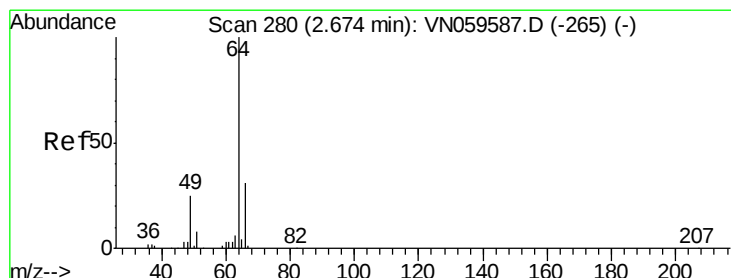
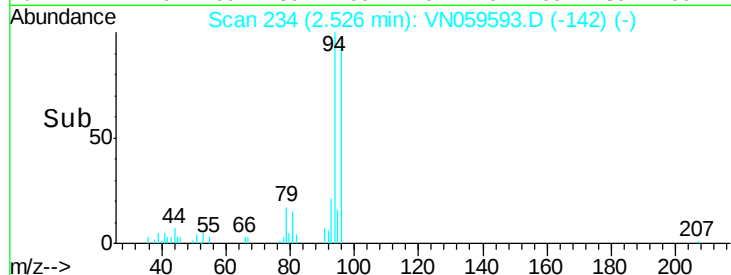
3000

2000

1000

0

Time-->



#6

Chloroethane

Concen: 4.446 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN059593.D

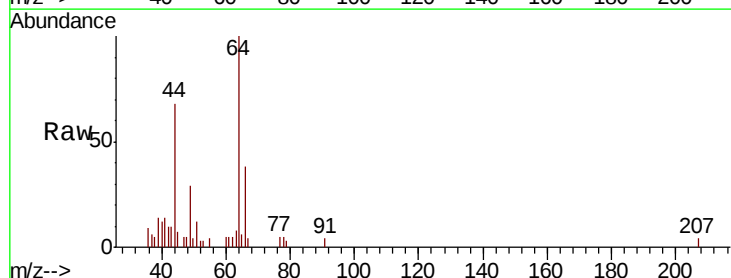
Acq: 13 Dec 2019 18:56

Tgt Ion: 64 Resp: 11123

Ion Ratio Lower Upper

64 100

66 37.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

6000

5000

4000

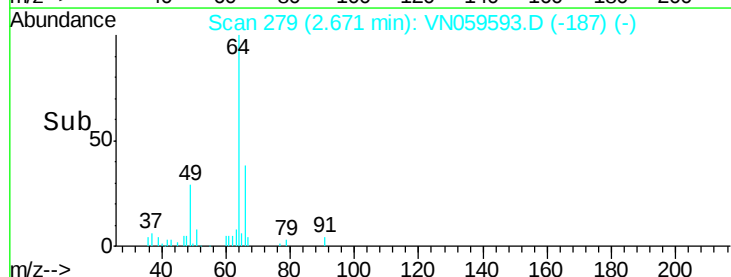
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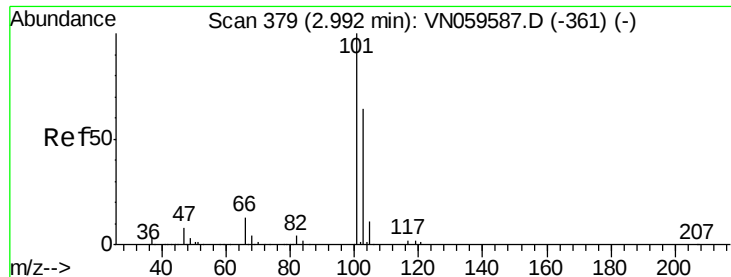
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1000

0

Time-->





#7

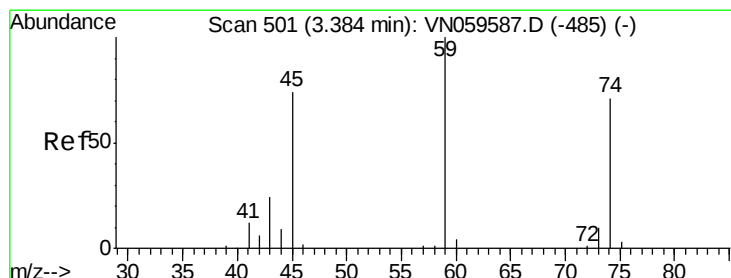
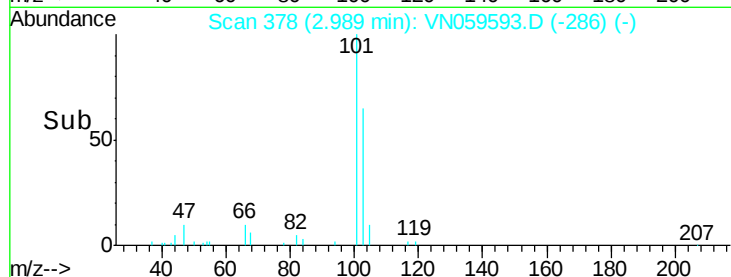
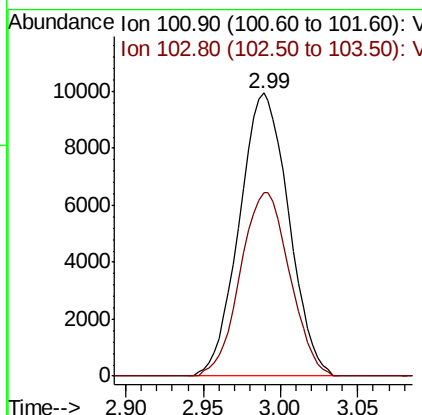
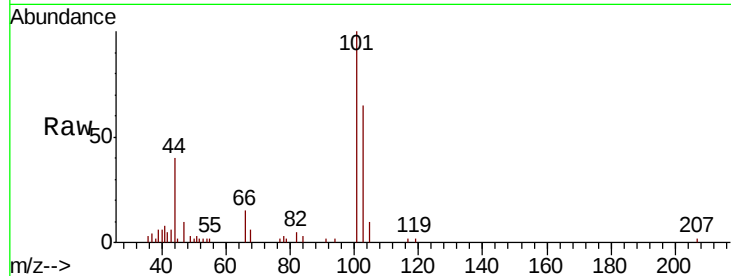
Trichlorofluoromethane
Concen: 4.396 ug/l
RT: 2.99 min Scan# 378
Delta R.T. -0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Instrument :
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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.0	76.6

Manual Integrations
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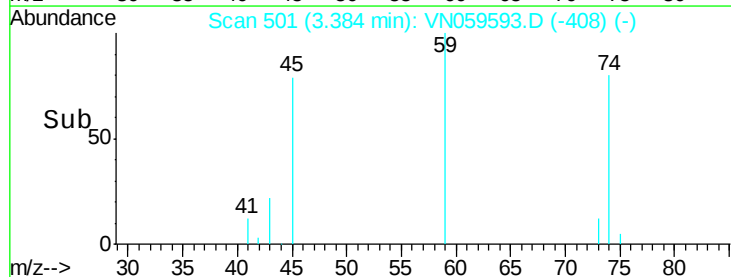
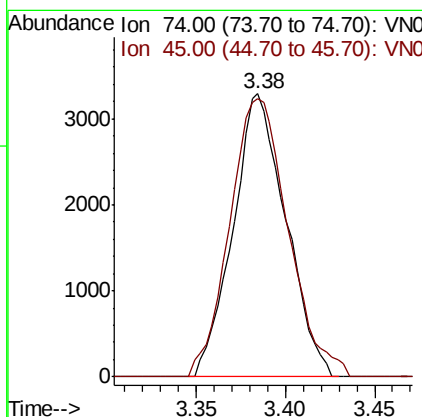
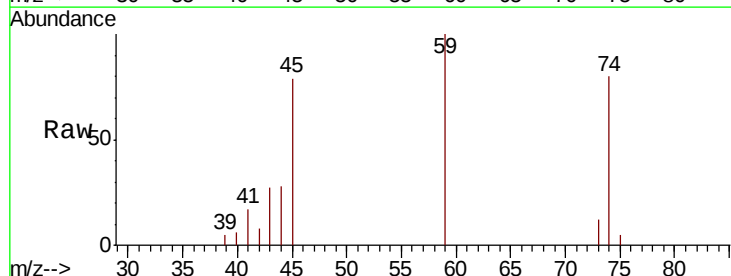
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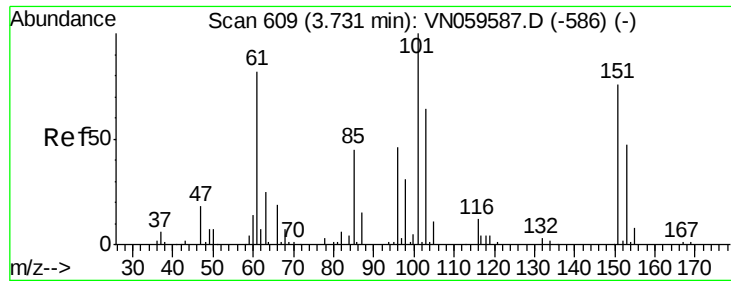


#8

Diethyl Ether
Concen: 3.972 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.9	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.276 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

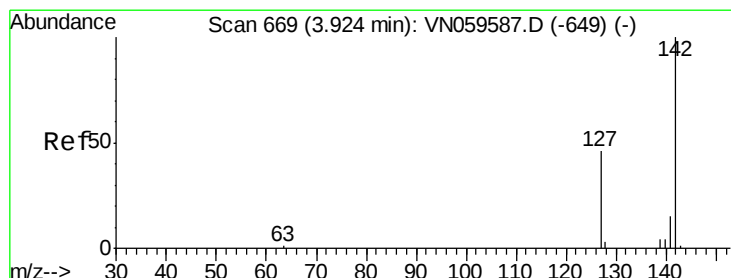
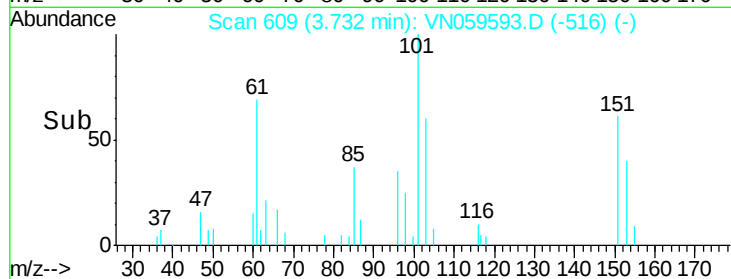
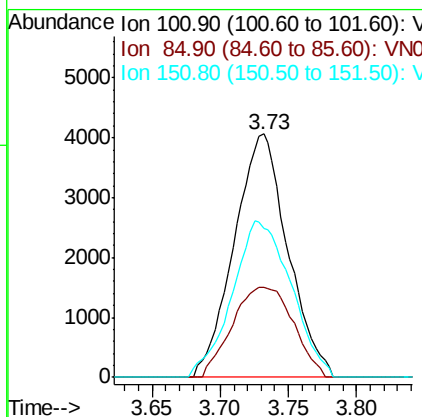
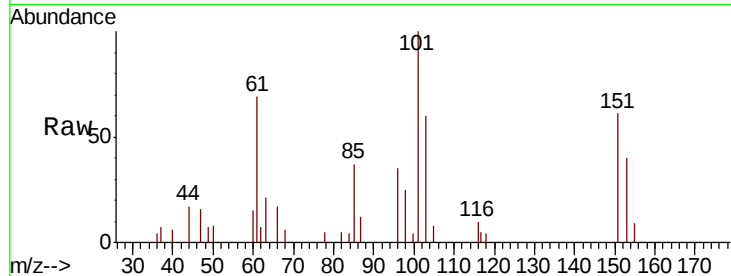
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	11081
Ion Ratio	Lower	Upper	
101	100		
85	42.1	36.6	54.8
151	70.6	59.7	89.5

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12/16/2019 12:49:18 PM



#10

Methyl Iodide

Concen: 3.547 ug/l

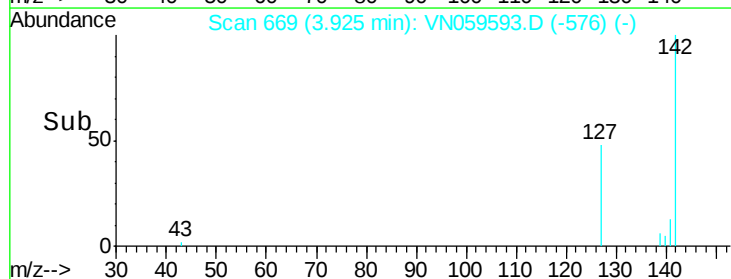
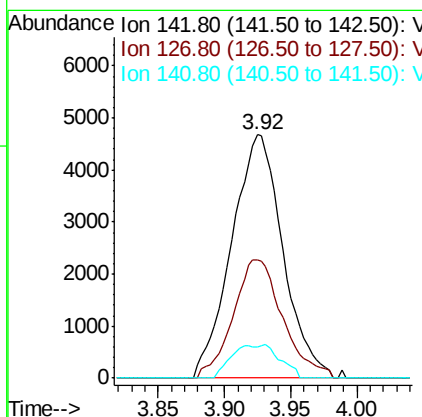
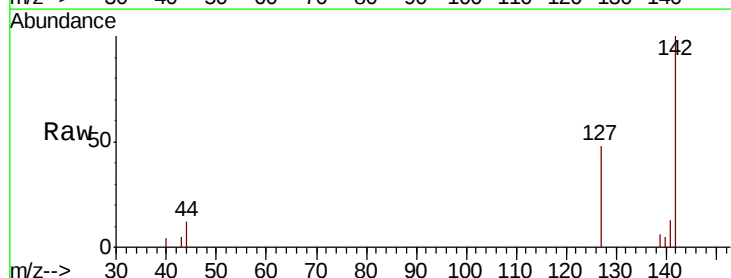
RT: 3.92 min Scan# 669

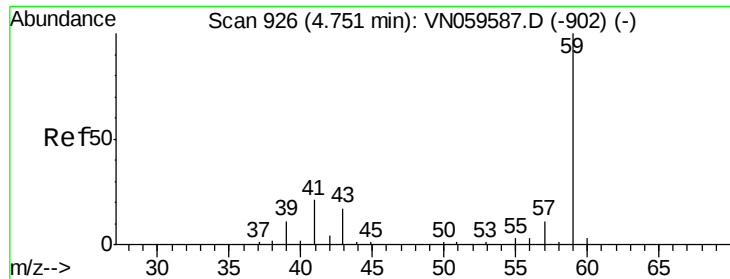
Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Tgt Ion:	142	Resp:	12563
Ion Ratio	Lower	Upper	
142	100		
127	47.1	36.7	55.1
141	7.2	11.7	17.5#





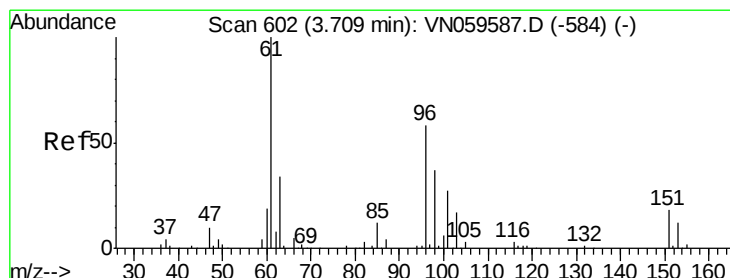
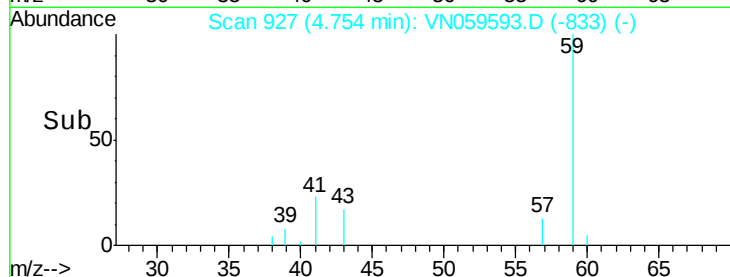
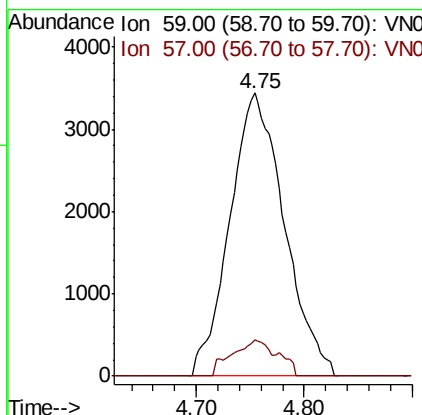
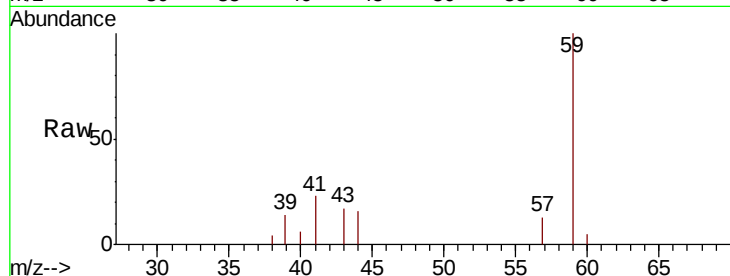
#11
Tert butyl alcohol
Concen: 20.982 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	59	57	Ratio	100	10.7	Resp	12085	Lower	Upper
59	100								
57		10.7						8.6	12.8

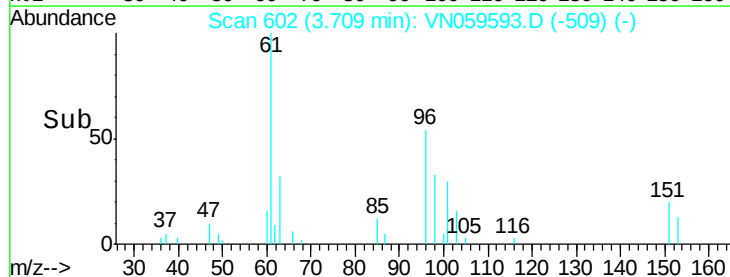
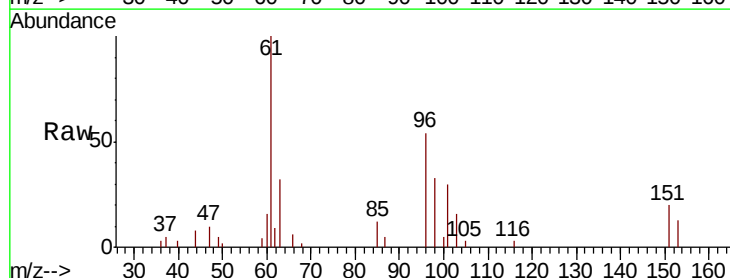
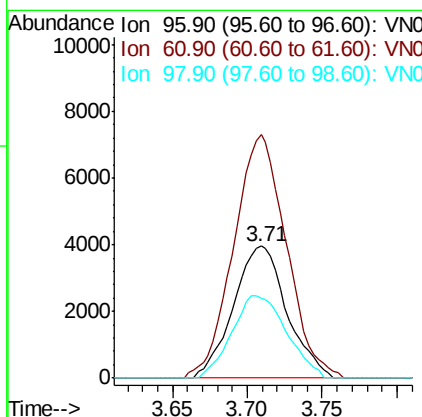
Manual Integrations
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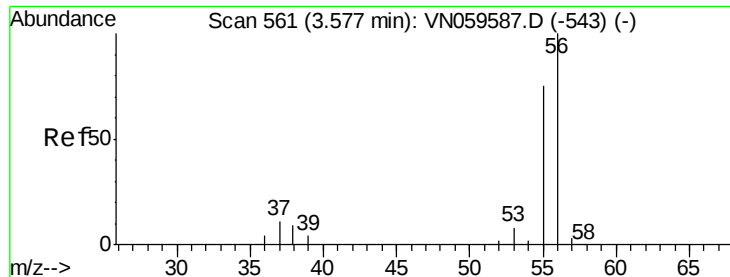
apatel
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#12
1,1-Dichloroethene
Concen: 3.885 ug/l
RT: 3.71 min Scan# 602
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion	96	61	98	Ratio	100	180.3	60.4	Resp	9842	Lower	Upper
96	100										
61		180.3								137.5	206.3
98		60.4								50.2	75.4





#13

Acrolein

Concen: 16.538 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 5431

Ion Ratio Lower Upper

56 100

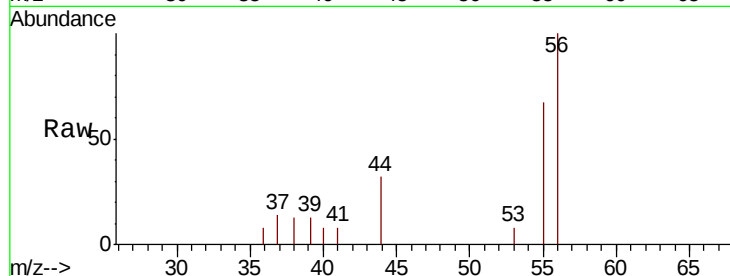
55 67.2 58.6 88.0

Manual Integrations

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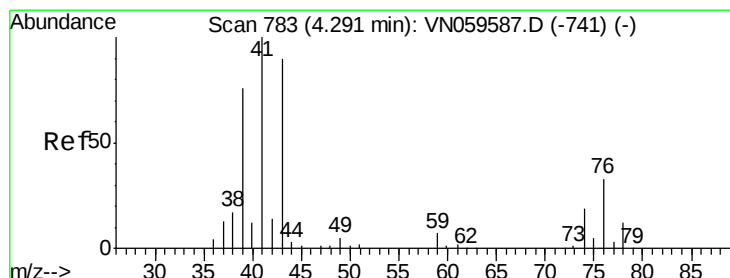
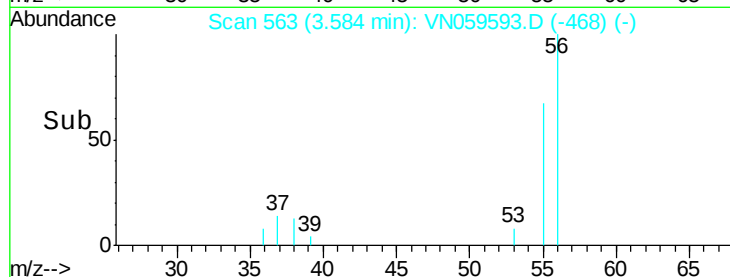
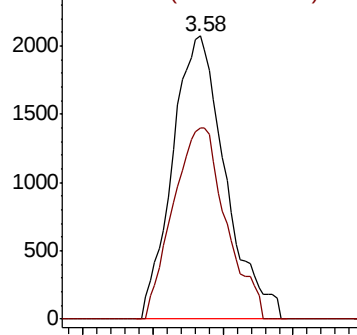
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 4.040 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

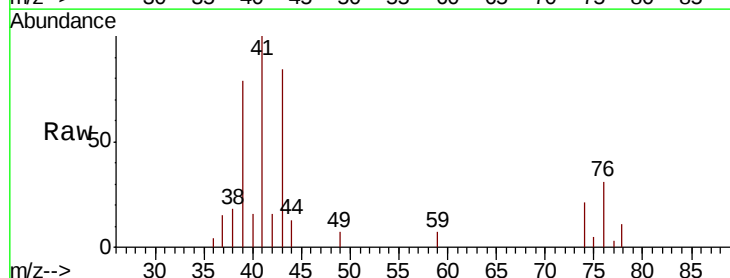
Tgt Ion: 41 Resp: 19633

Ion Ratio Lower Upper

41 100

39 68.4 57.8 86.8

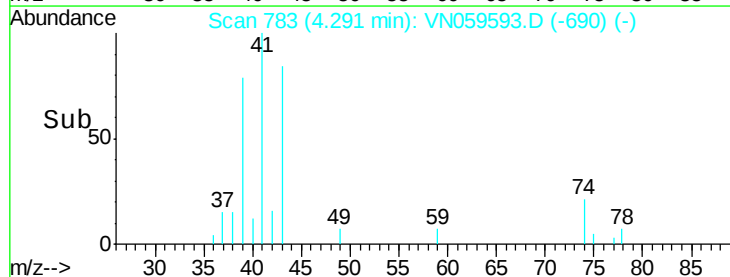
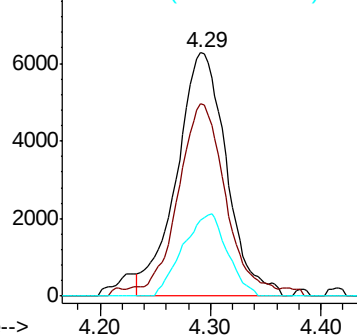
76 30.2 25.4 38.0

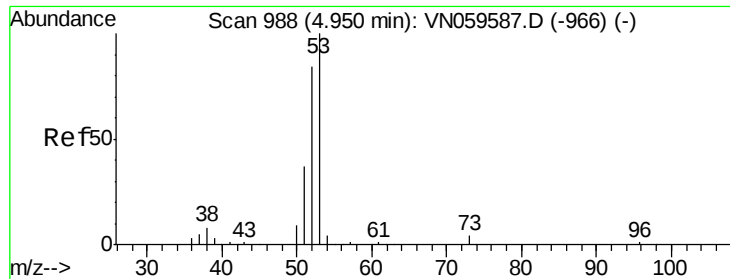


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 20.702 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.01 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

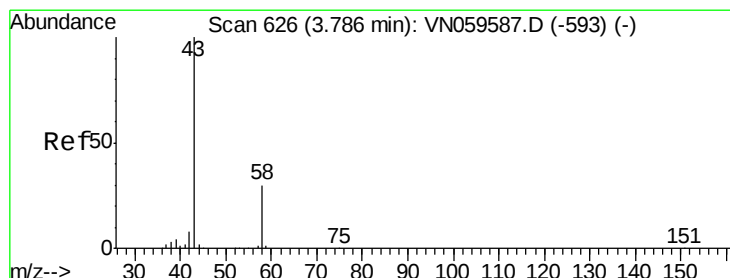
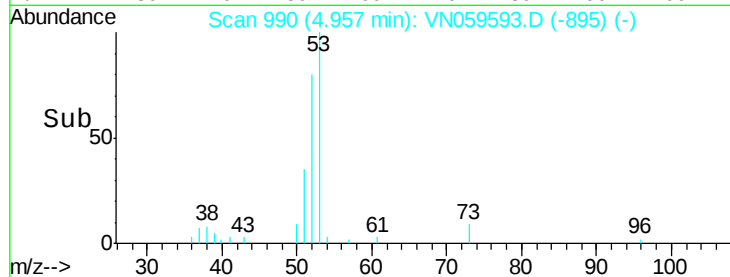
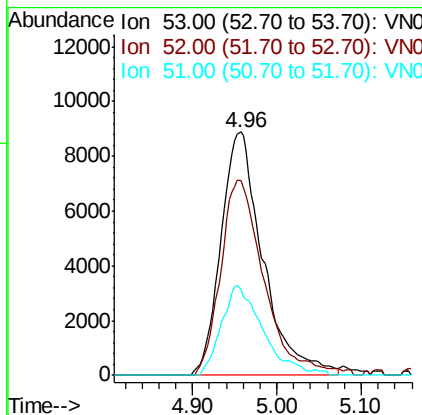
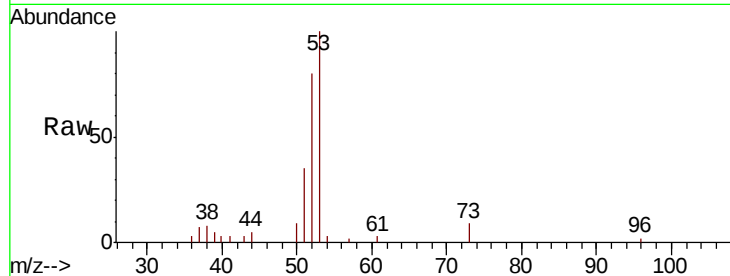
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	30722
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.3	99.5
51	35.9	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 23.317 ug/l

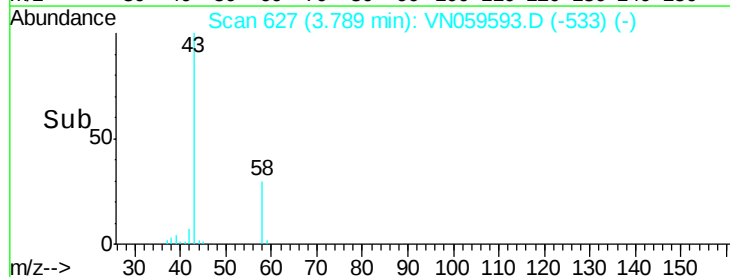
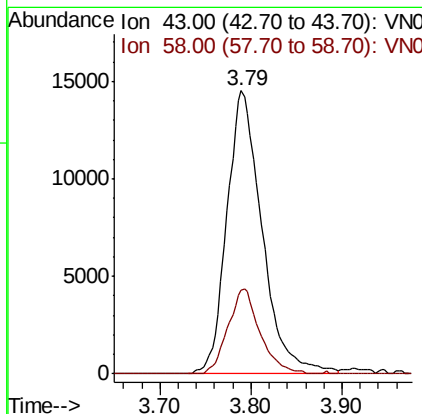
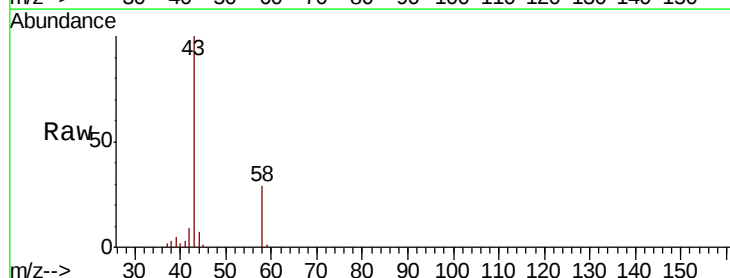
RT: 3.79 min Scan# 627

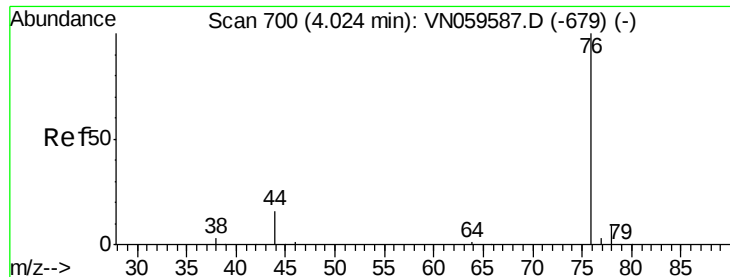
Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Tgt Ion:	43	Resp:	39083
Ion Ratio	Lower	Upper	
43	100		
58	29.4	23.6	35.4





#17

Carbon Disulfide

Concen: 3.669 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 34134

Ion Ratio Lower Upper

76 100

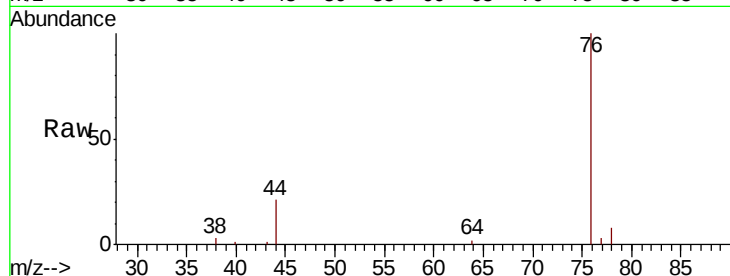
78 8.4 7.4 11.0

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

15000

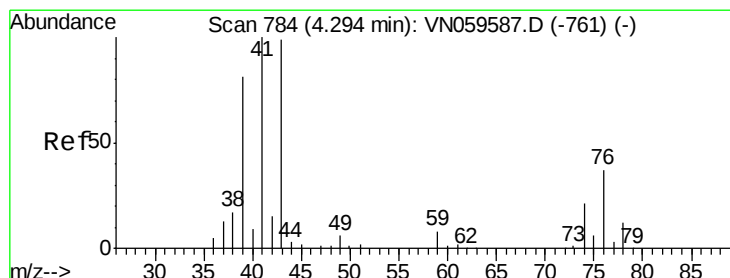
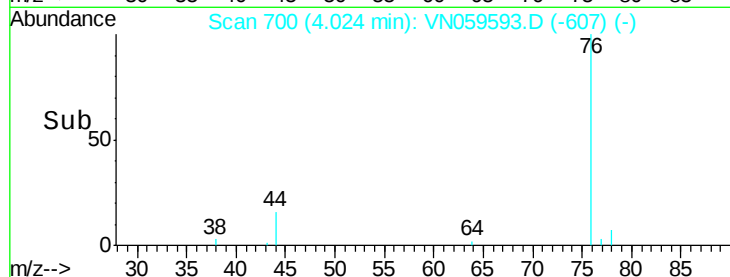
4.02

10000

5000

0

Time--> 3.90



#18

Methyl Acetate

Concen: 4.189 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059593.D

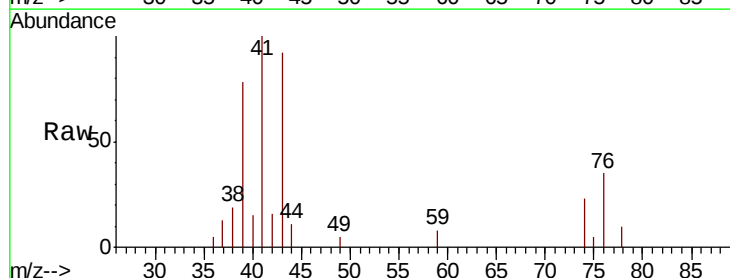
Acq: 13 Dec 2019 18:56

Tgt Ion: 43 Resp: 17482

Ion Ratio Lower Upper

43 100

74 22.1 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

6000

4.30

5000

4000

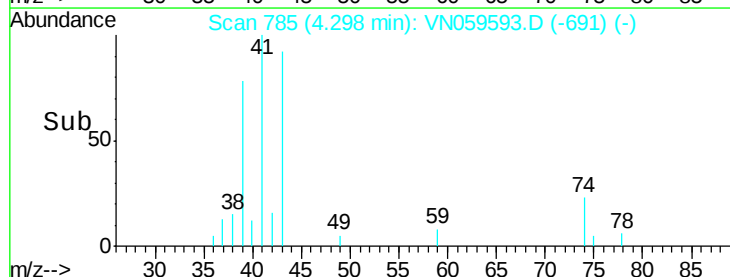
3000

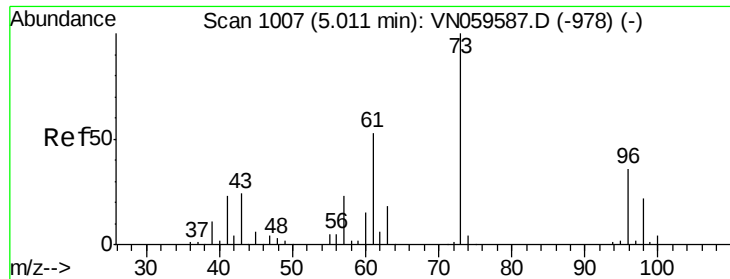
2000

1000

0

Time--> 4.20





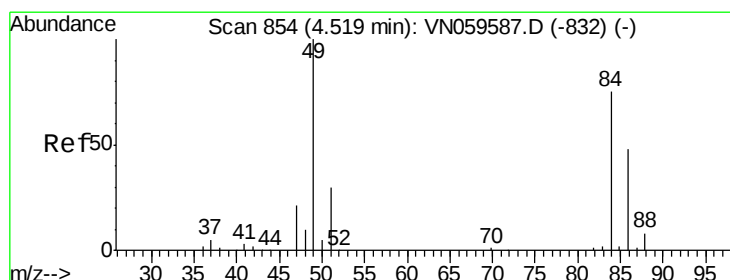
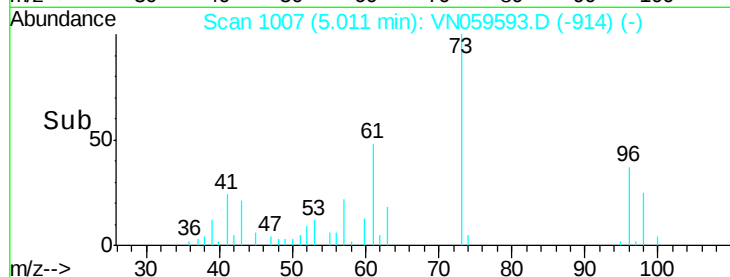
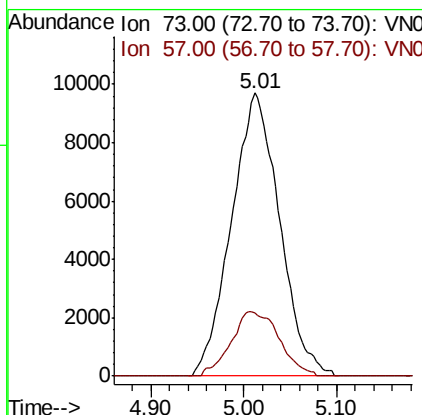
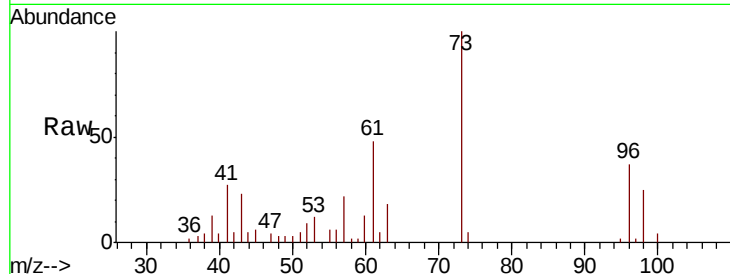
#19
Methvl tert-butvl Ether
Concen: 4.152 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 34932
Ion Ratio Lower Upper
73 100
57 22.2 18.6 27.8

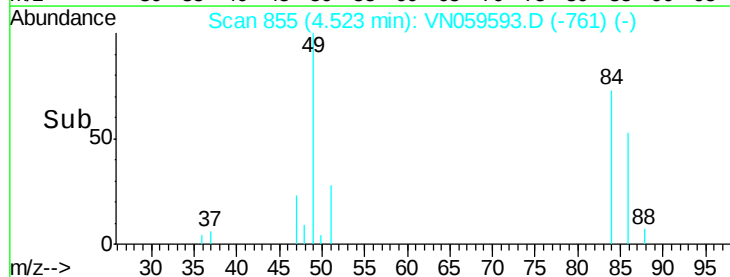
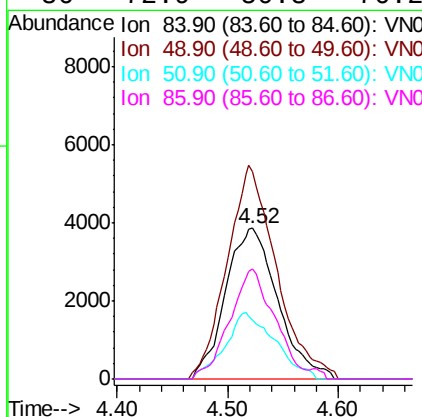
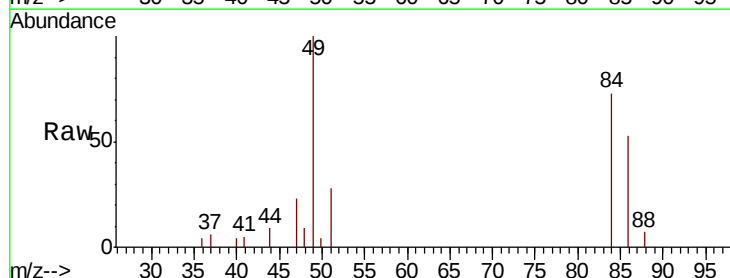
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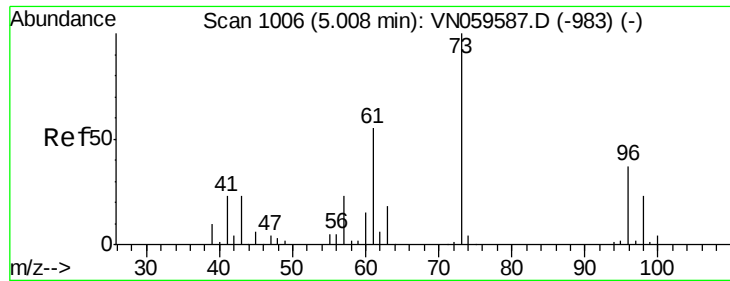
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#20
Methylene Chloride
Concen: 3.946 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion: 84 Resp: 12670
Ion Ratio Lower Upper
84 100
49 137.2 106.6 160.0
51 38.7 31.9 47.9
86 72.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 4.258 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

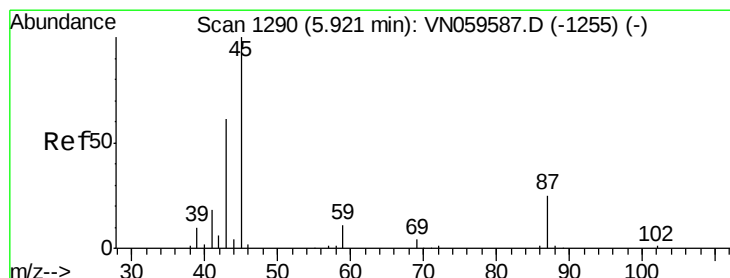
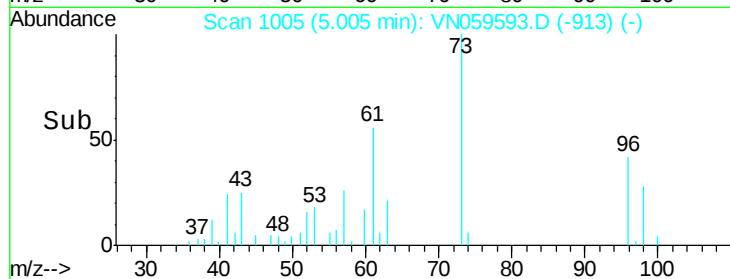
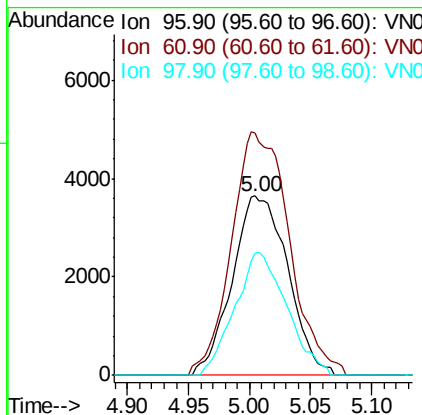
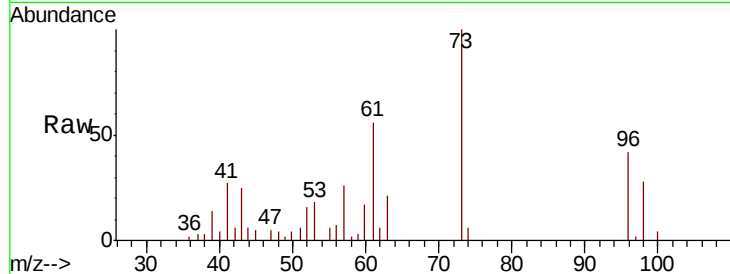
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	11539
Ion	Ratio	Lower	Upper
96	100		
61	134.8	120.4	180.6
98	68.0	50.6	75.8

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#22

Diisopropyl ether

Concen: 3.998 ug/l

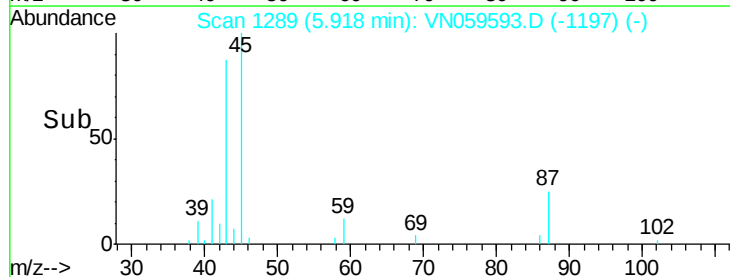
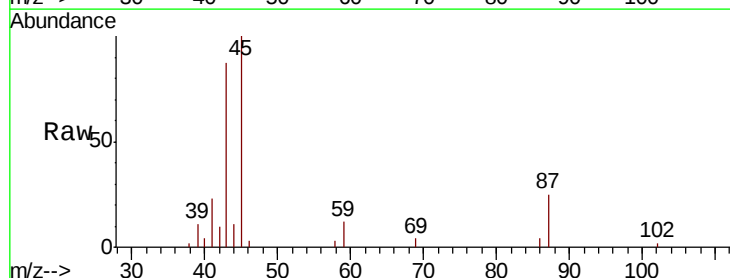
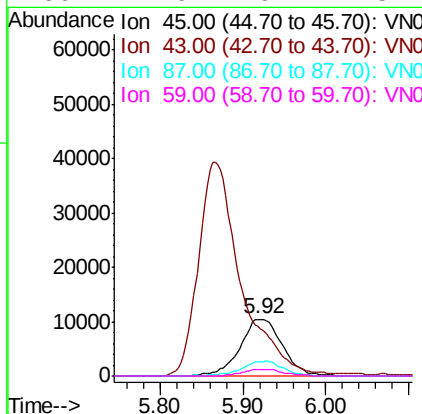
RT: 5.92 min Scan# 1289

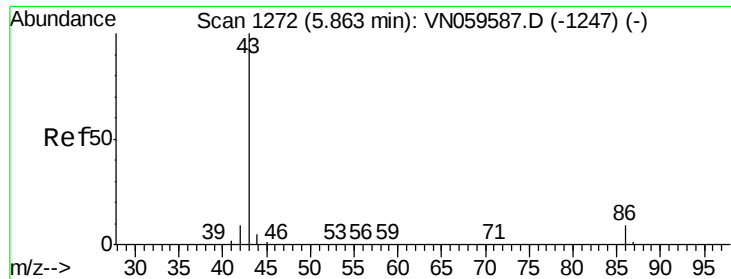
Delta R.T. -0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Tgt Ion:	45	Resp:	36969
Ion	Ratio	Lower	Upper
45	100		
43	82.7	50.8	76.2
87	25.3	21.0	31.6
59	11.9	9.1	13.7





#23

Vinyl Acetate

Concen: 18.324 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Tot Ion: 43 Resp: 140357

Ion Ratio Lower Upper

43 100

86 9.4 7.6 11.4

Instrument :

MSVOA_N

ClientSampleId :

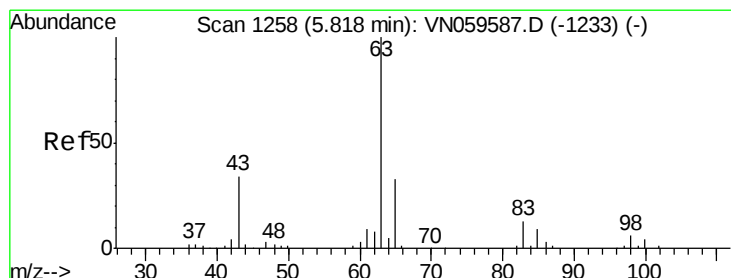
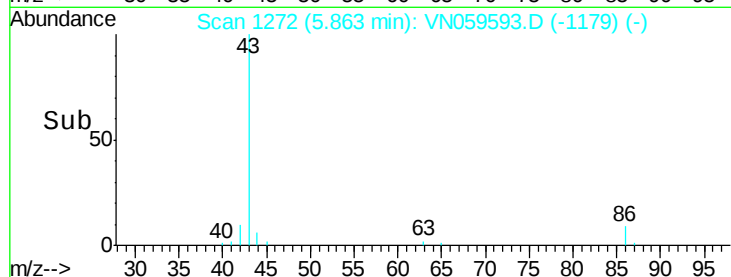
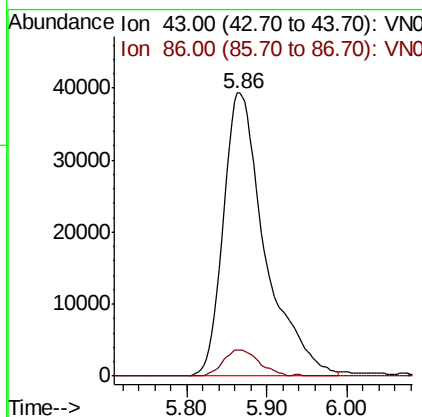
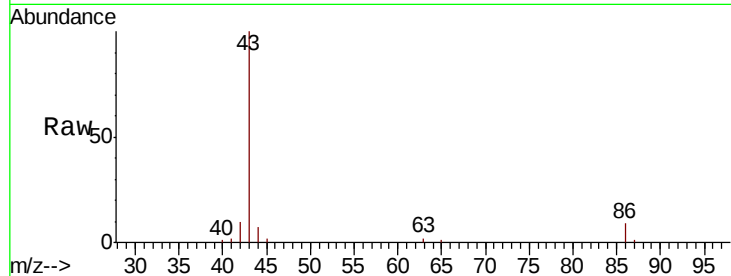
VSTDIC005

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#24

1,1-Dichloroethane

Concen: 4.211 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

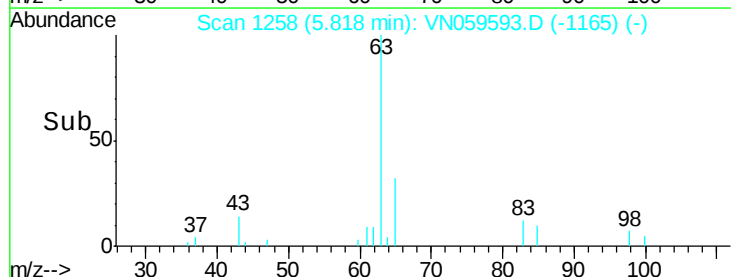
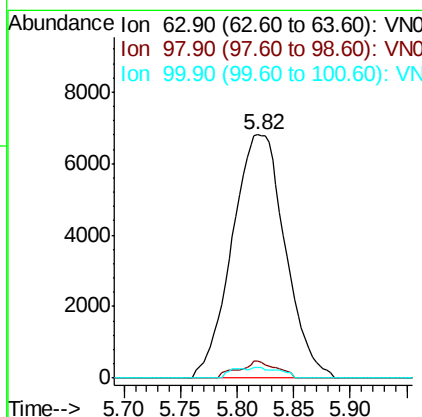
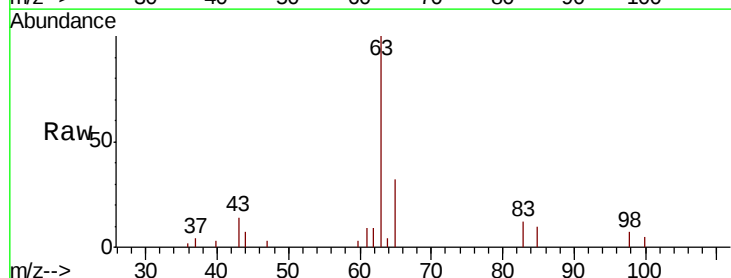
Tgt Ion: 63 Resp: 22138

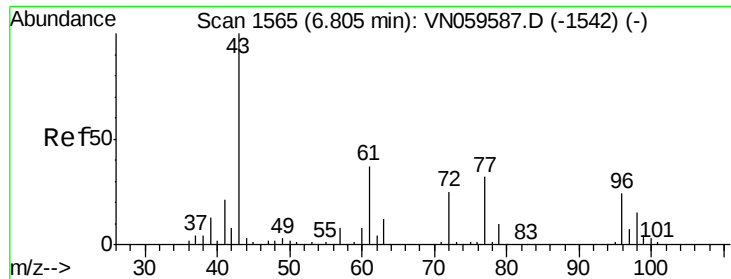
Ion Ratio Lower Upper

63 100

98 7.2 2.9 8.7

100 4.6 2.0 6.0





#25

2-Butanone

Concen: 21.183 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 46056

Ion Ratio Lower Upper

43 100

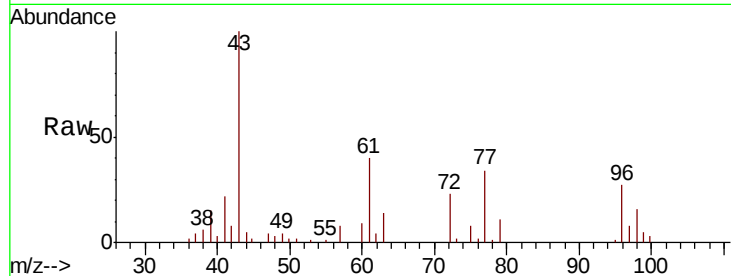
72 23.4 19.9 29.9

Manual Integrations

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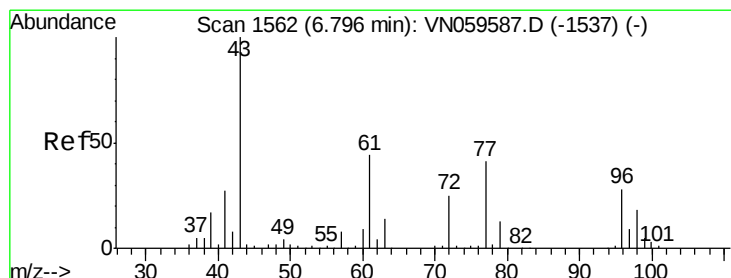
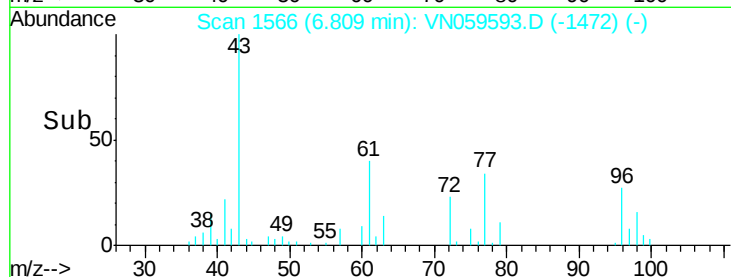
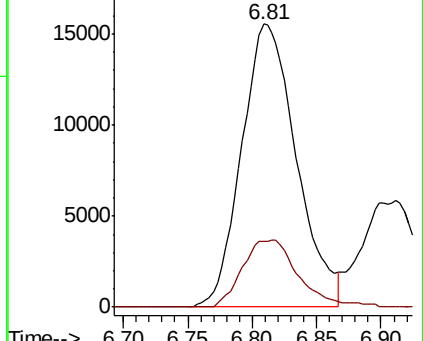
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 4.179 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059593.D

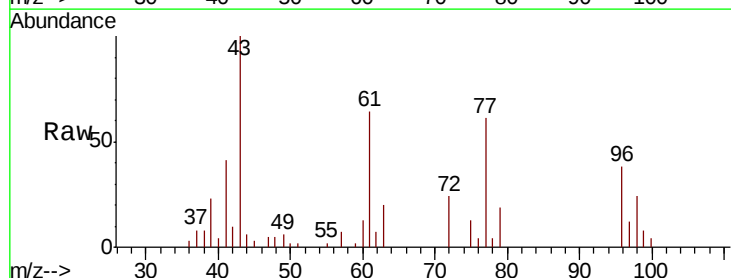
Acq: 13 Dec 2019 18:56

Tgt Ion: 77 Resp: 19860

Ion Ratio Lower Upper

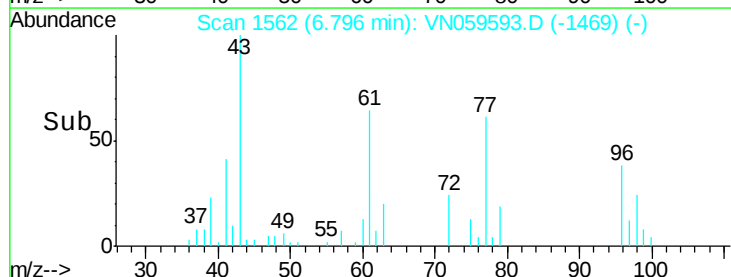
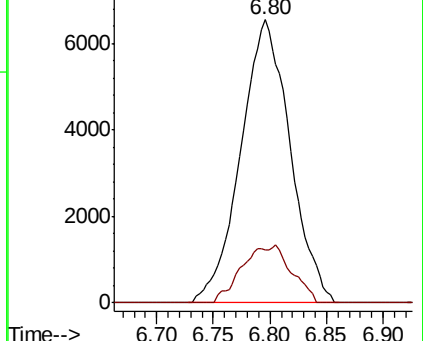
77 100

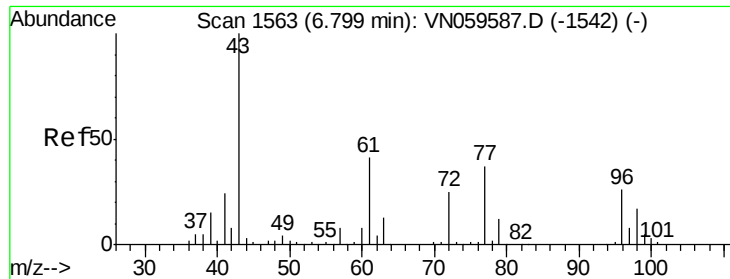
97 11.6 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 4.117 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

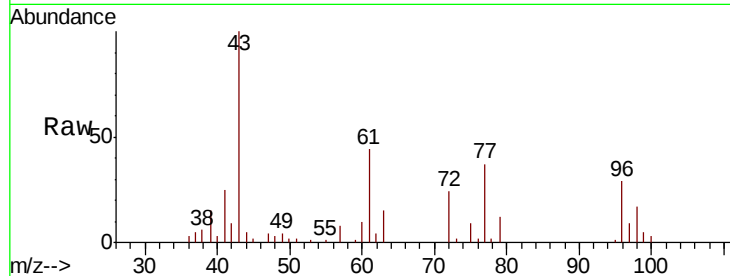
ClientSampleId :

VSTDIC005

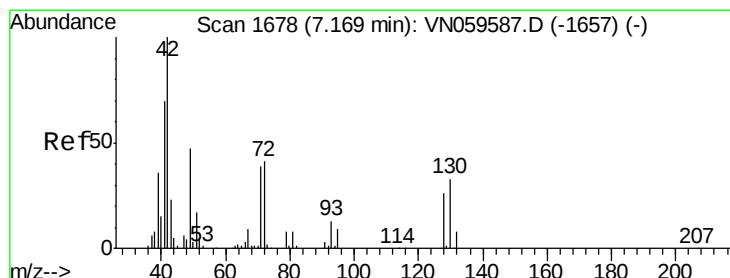
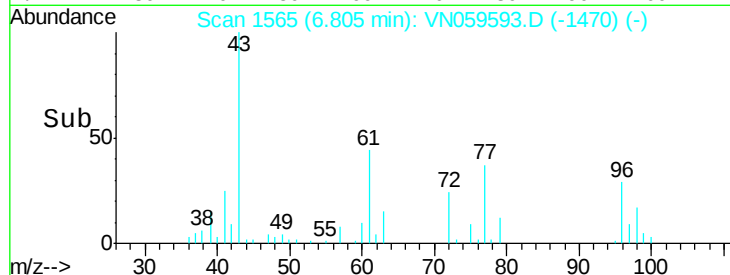
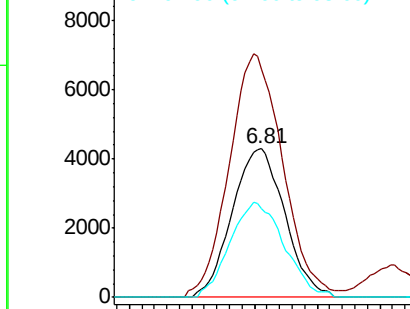
Tot Ion:	96	Resp:	12567
Ion	Ratio	Lower	Upper
96	100		
61	165.8	0.0	317.6
98	65.5	0.0	127.0

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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 2.924 ug/l

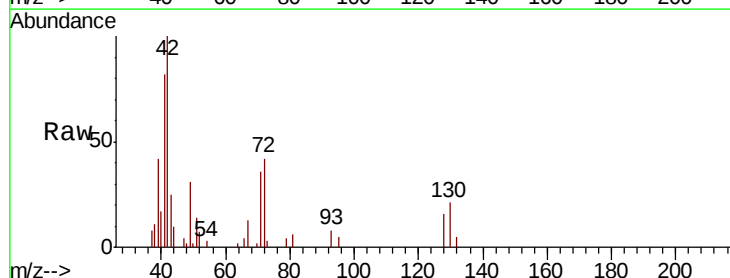
RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

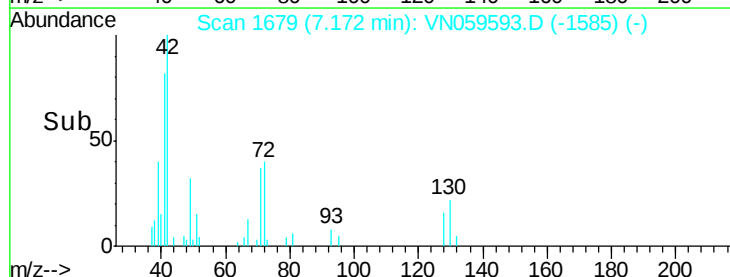
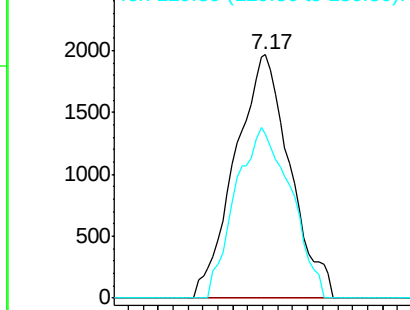
Lab File: VN059593.D

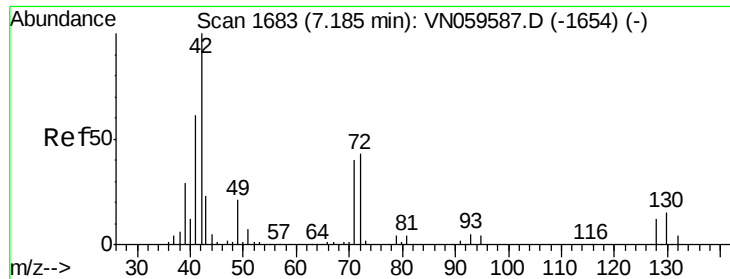
Acq: 13 Dec 2019 18:56

Tgt Ion:	49	Resp:	5005
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	70.8	54.7	82.1



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





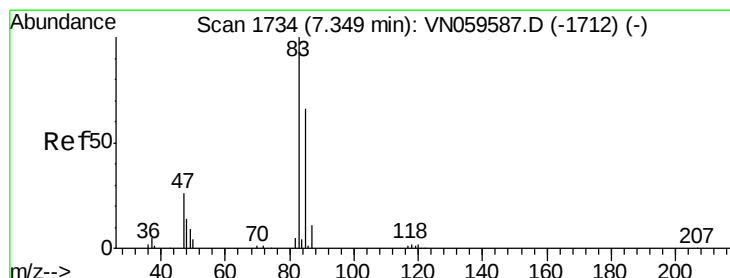
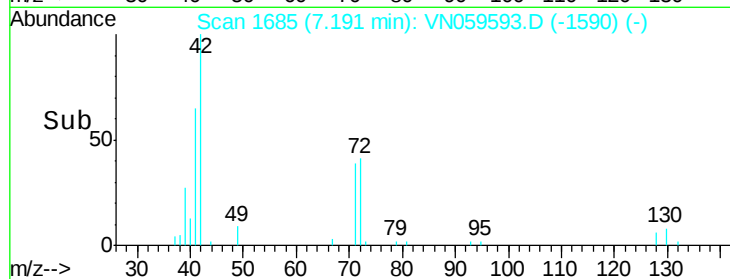
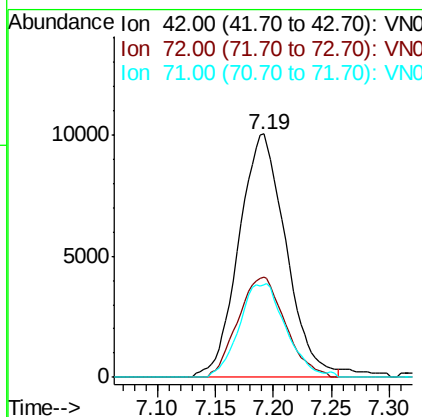
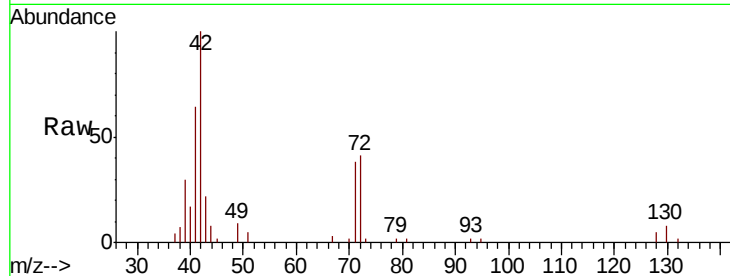
#29
Tetrahydrofuran
Concen: 19.132 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	33.1	49.7
71	38.1	31.4	47.0

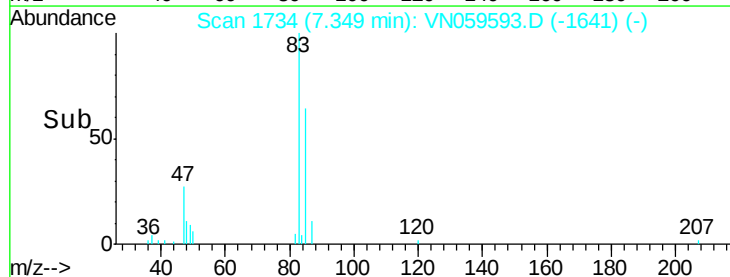
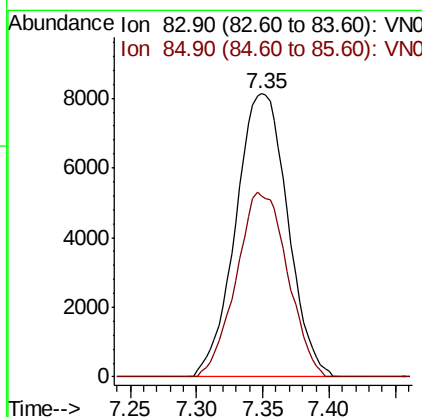
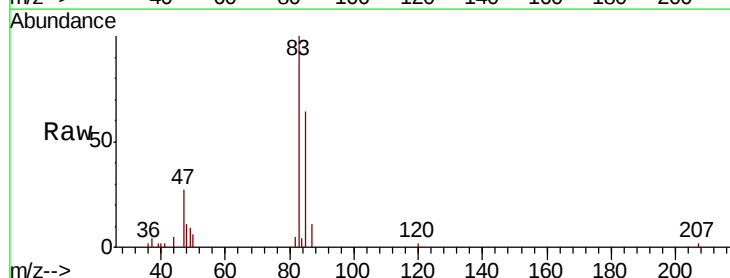
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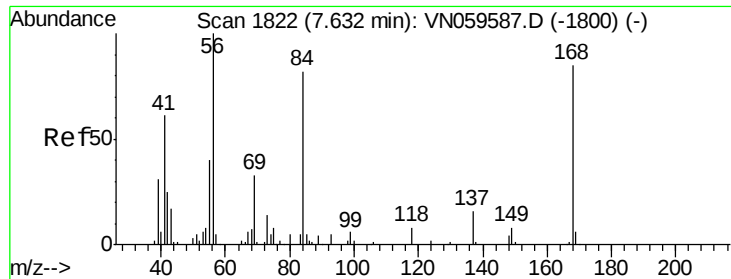
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#30
Chloroform
Concen: 4.261 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.4	78.6





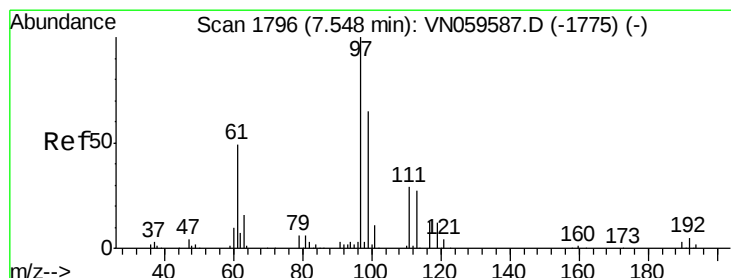
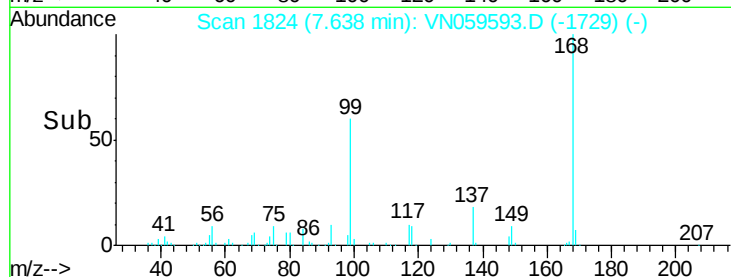
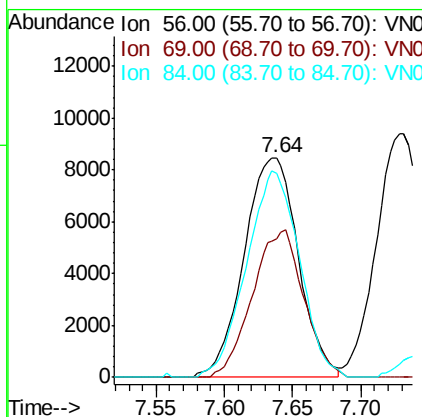
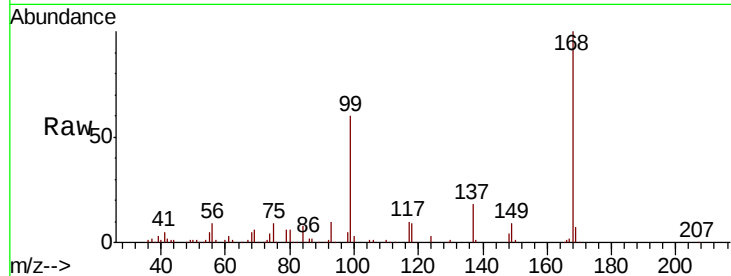
#31
Cyclohexane
Concen: 4.564 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	63.0	26.5	39.7#
84	93.2	65.3	97.9

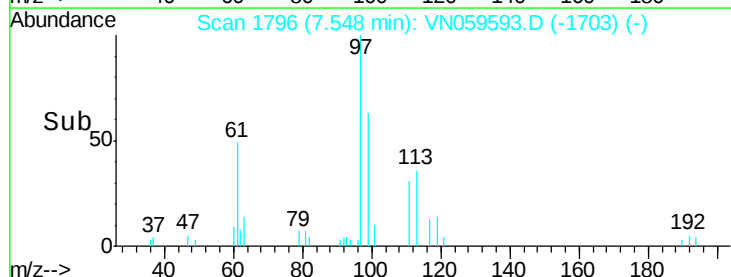
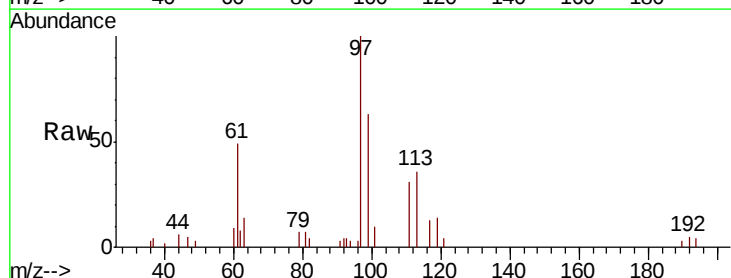
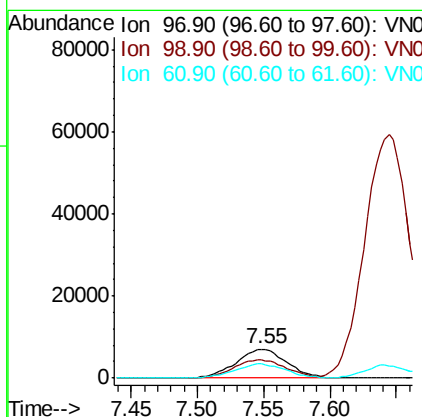
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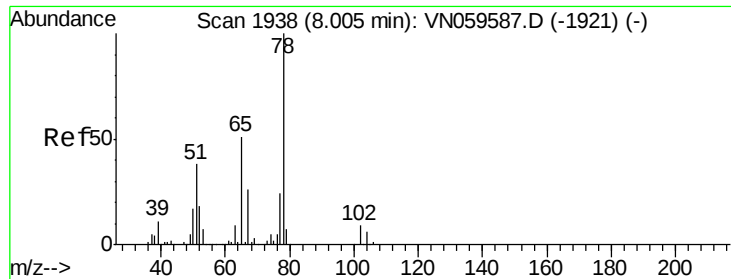
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#32
1,1,1-Trichloroethane
Concen: 4.051 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.4
61	48.8	38.5	57.7





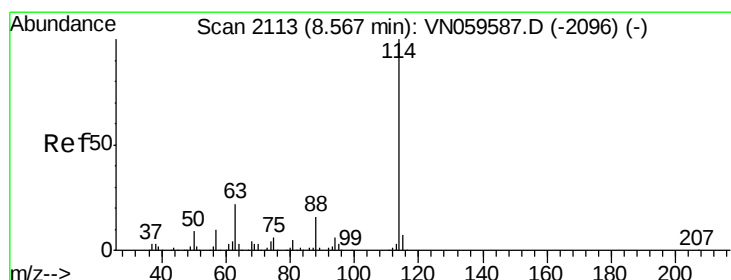
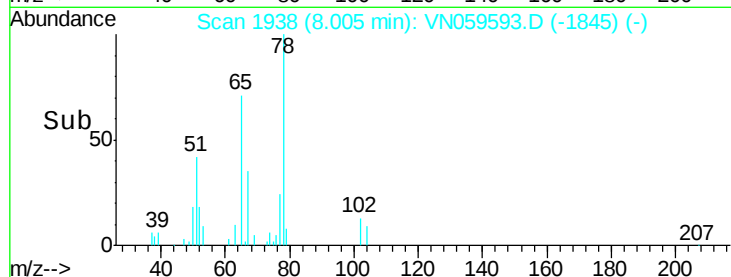
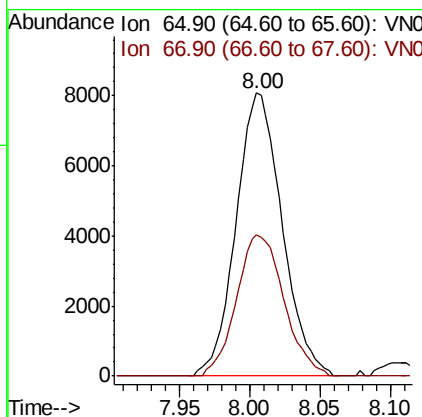
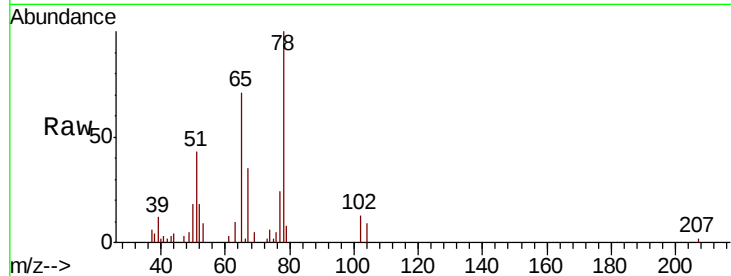
#33
 1,2-Dichloroethane-d4
 Concen: 5.406 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.0

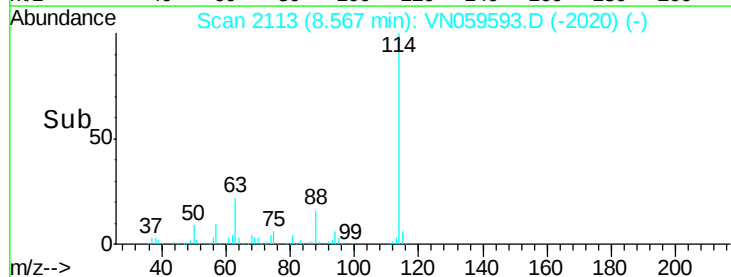
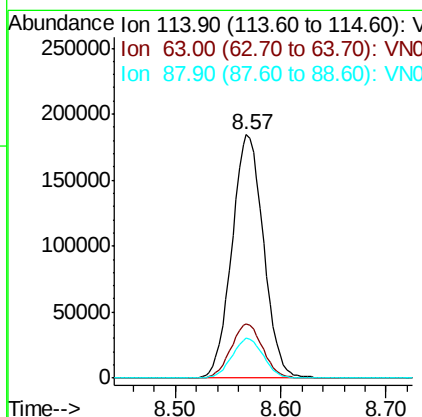
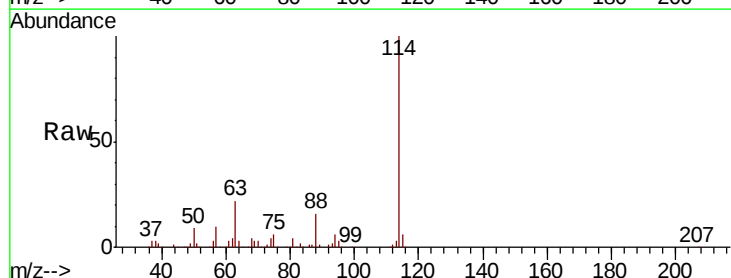
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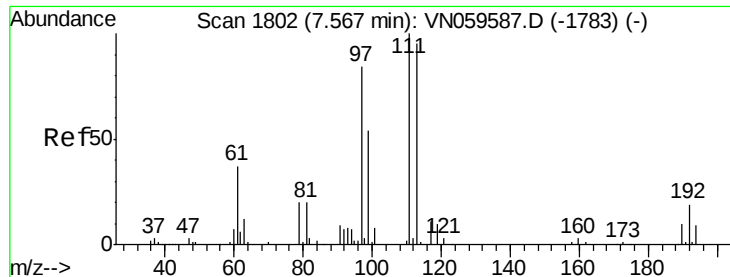
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.6
88	16.3	0.0	31.4





#35

Dibromofluoromethane

Concen: 5.540 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

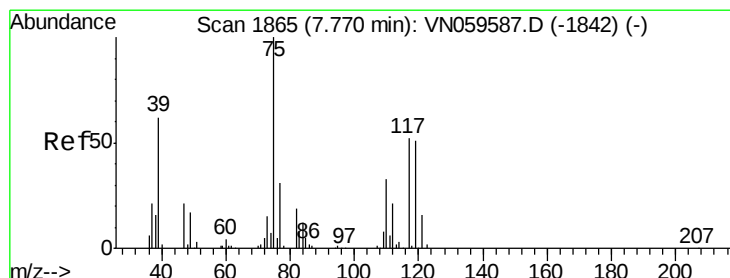
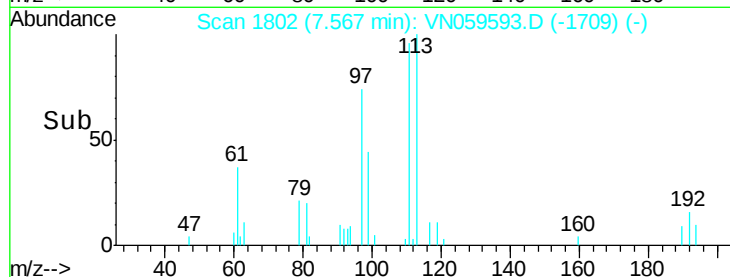
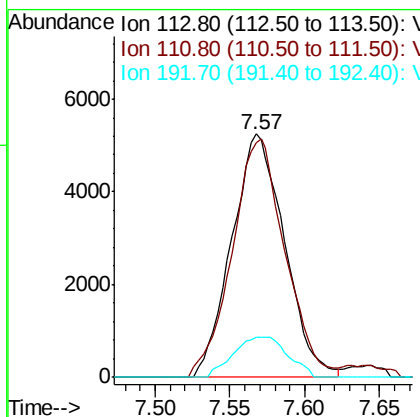
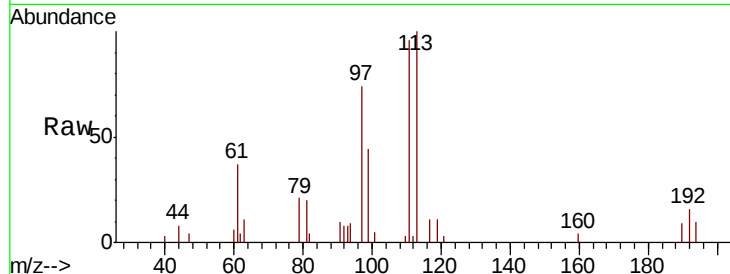
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	12906
Ion	Ratio	Lower	Upper
113	100		
111	97.8	83.5	125.3
192	16.8	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 3.951 ug/l

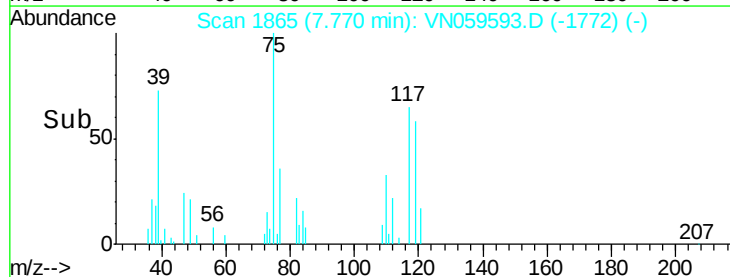
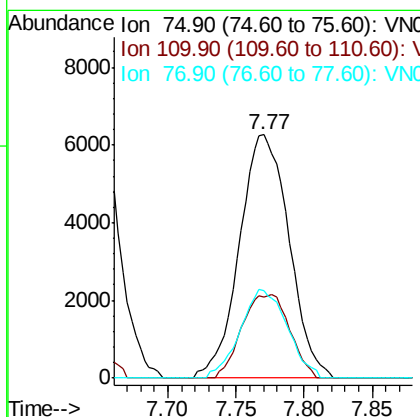
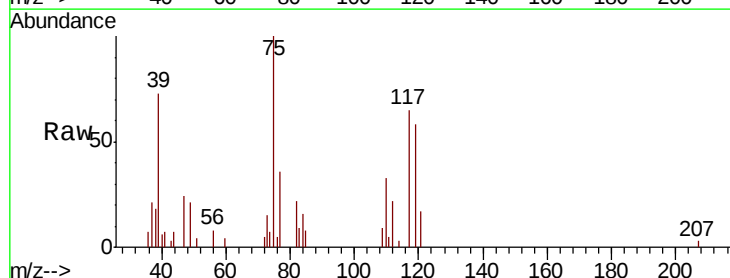
RT: 7.77 min Scan# 1865

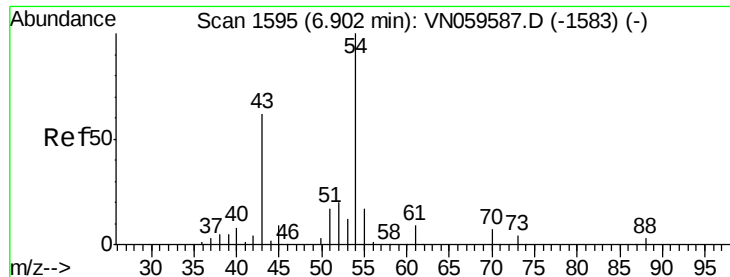
Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Tgt Ion:	75	Resp:	15794
Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.6	49.7
77	34.3	25.1	37.7





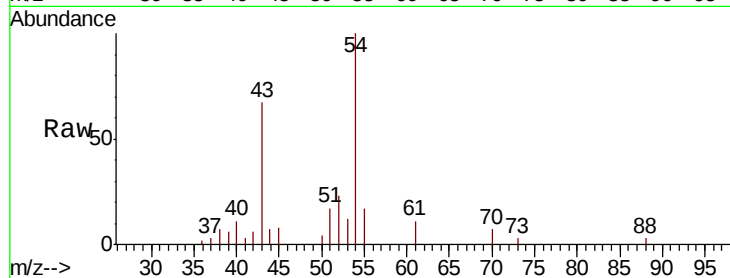
#37
Ethyl Acetate
Concen: 4.181 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.01 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	61	70
Resp	17416	13.9	9.1
Lower		10.9	7.7
Upper		16.3	11.5

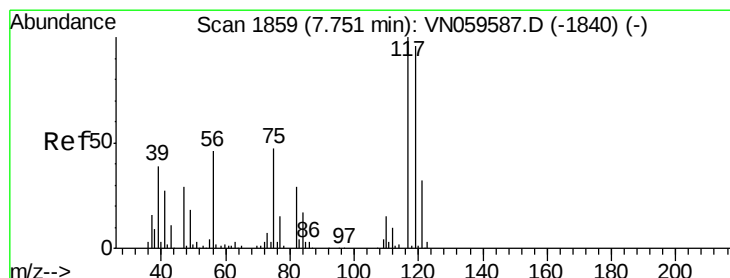
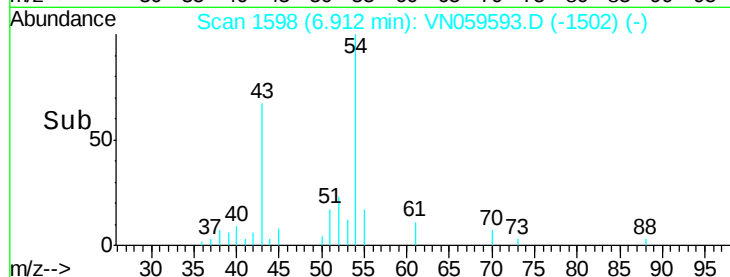
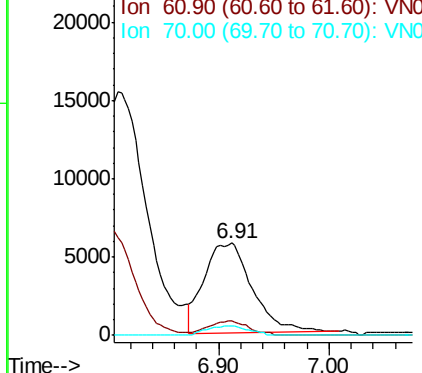
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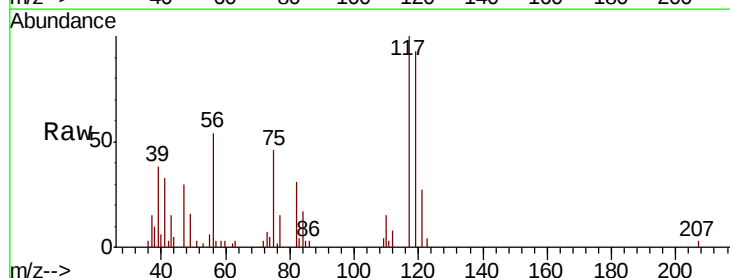
Abundance

Ion 43.00 (42.70 to 43.70): VN059593.D (-1502) (-)



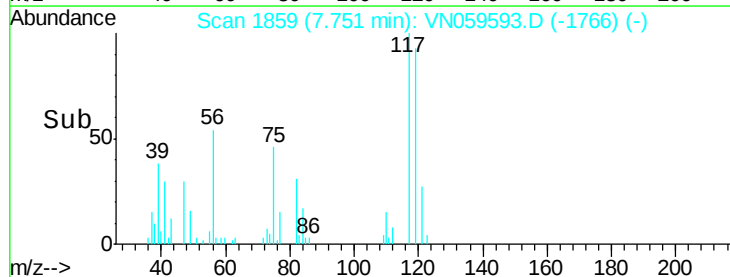
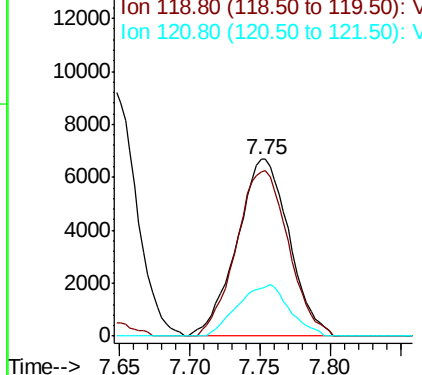
#38
Carbon Tetrachloride
Concen: 4.367 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

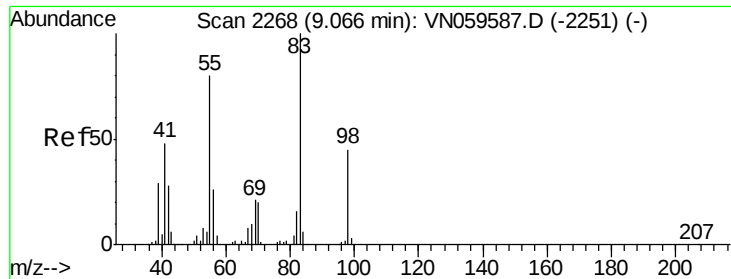
Tgt Ion	117	119	121
Resp	17250	92.7	26.9
Lower		76.5	25.1
Upper		114.7	37.7



Abundance

Ion 116.80 (116.50 to 117.50): VN059593.D (-1766) (-)





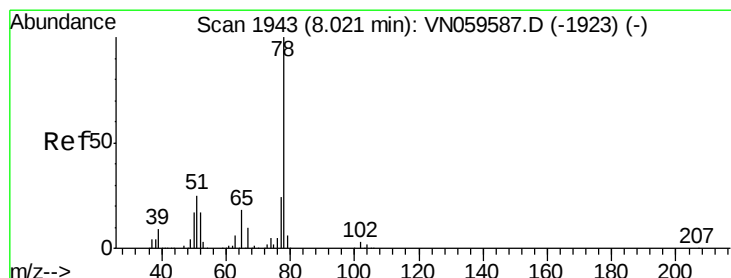
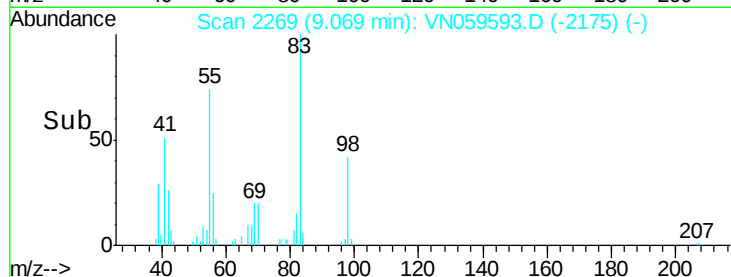
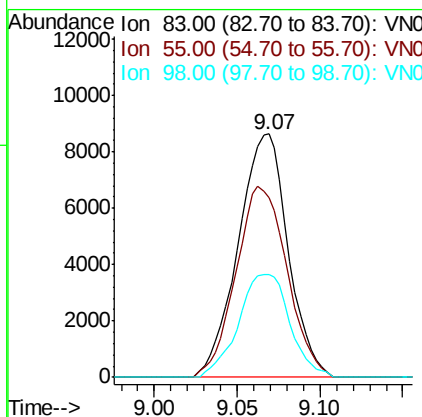
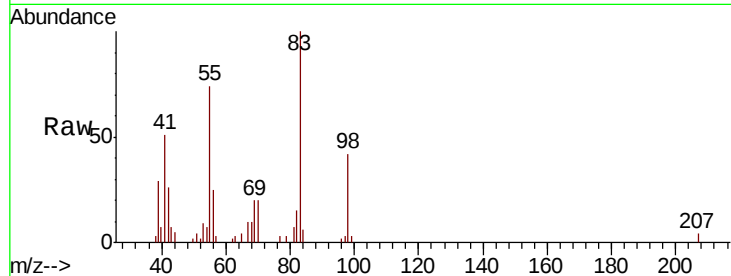
#39
Methvlcvclohexane
Concen: 4.044 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.6	64.2	96.2
98	42.0	35.9	53.9

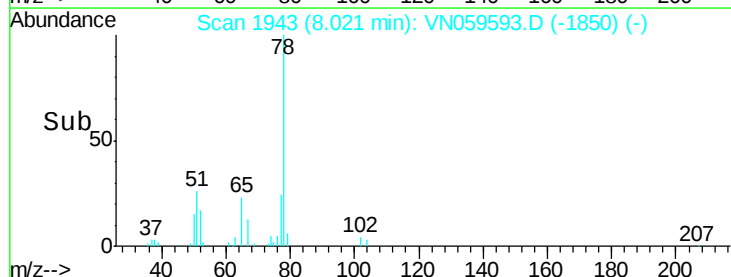
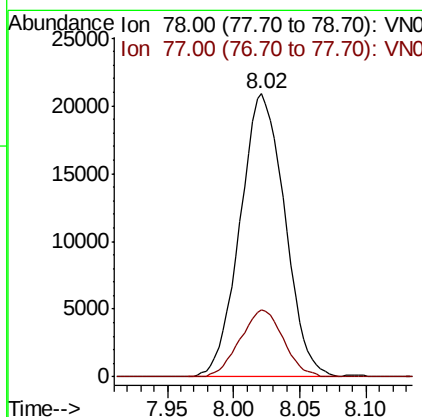
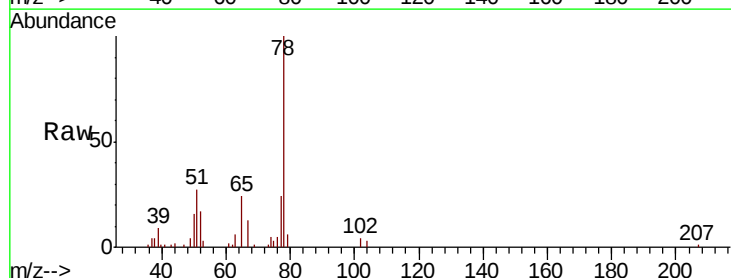
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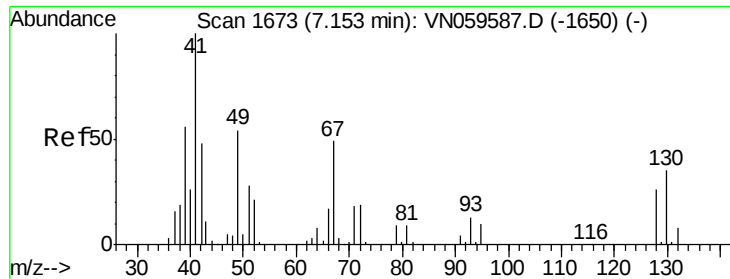
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#40
Benzene
Concen: 4.286 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





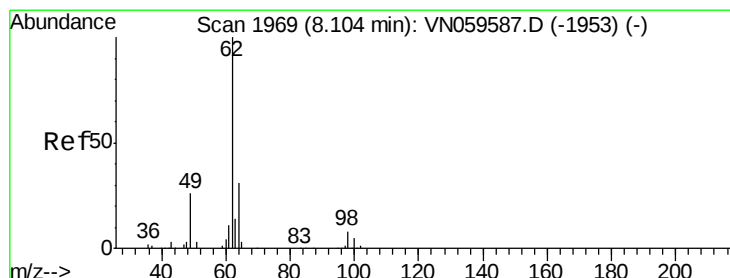
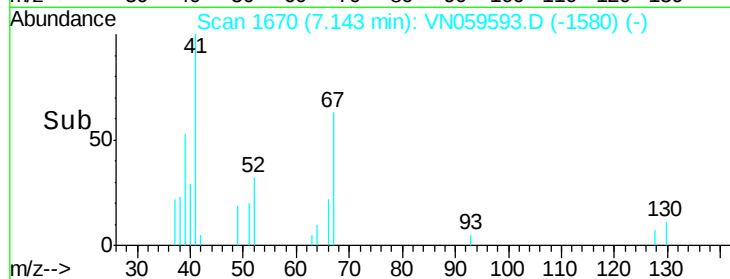
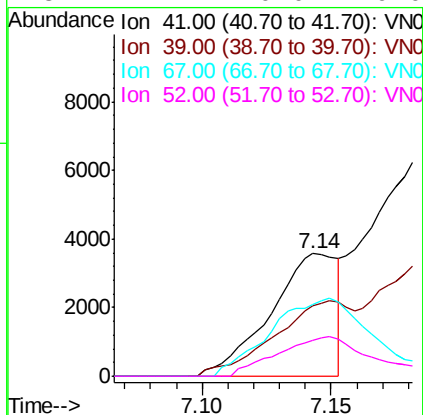
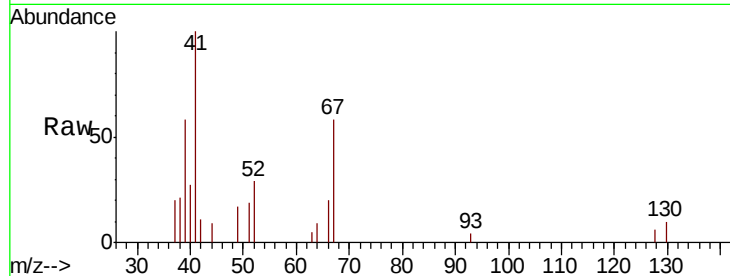
#41
Methacrylonitrile
Concen: 3.353 ug/l
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	6435
Ion Ratio	Lower	Upper	
41	100		
39	71.1	0.0	0.0#
67	98.8	0.0	0.0#
52	44.1	0.0	0.0#

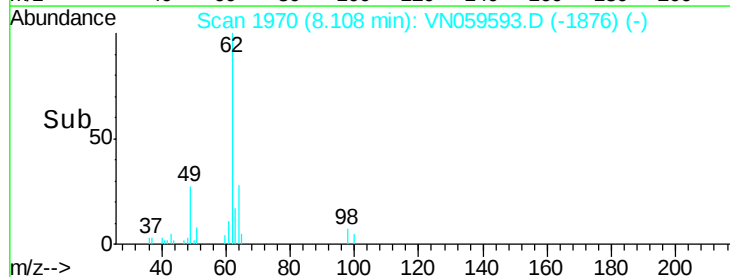
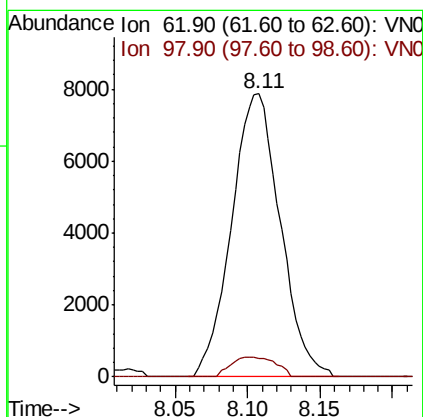
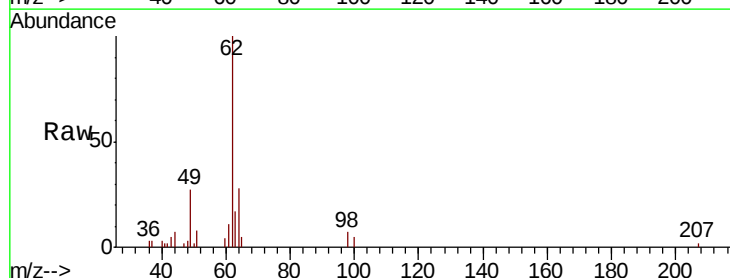
Manual Integrations
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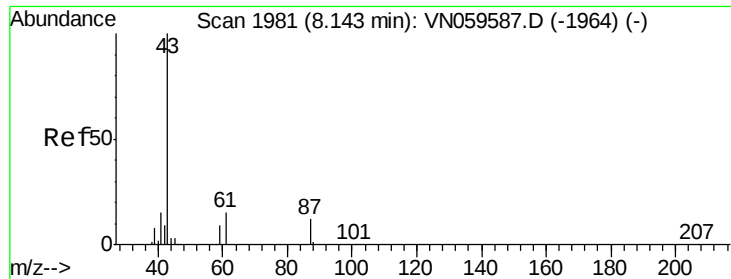
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#42
1,2-Dichloroethane
Concen: 4.304 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion:	62	Resp:	18385
Ion Ratio	Lower	Upper	
62	100		
98	6.5	0.0	15.8





#43

Isopropyl Acetate

Concen: 3.993 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

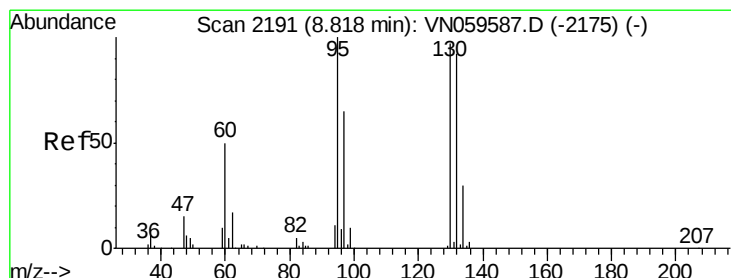
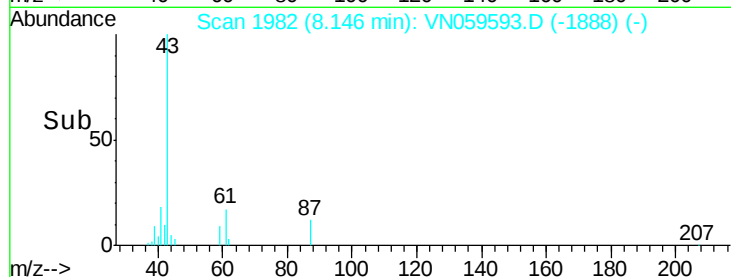
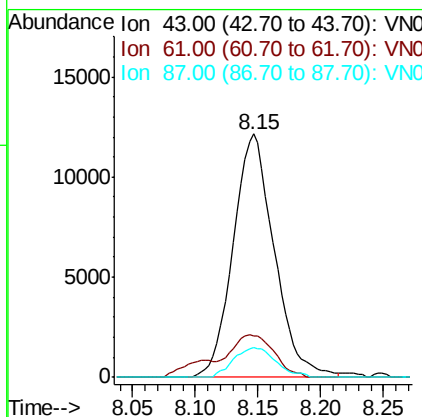
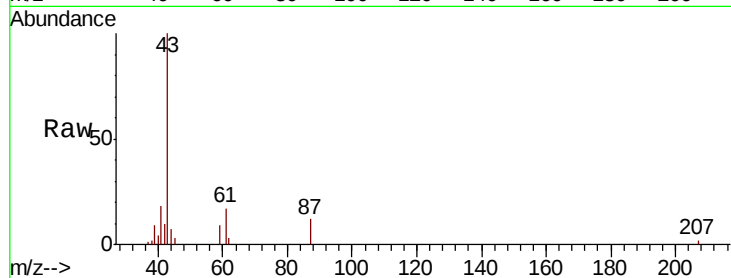
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	27653
Ion	Ratio	Lower	Upper
43	100		
61	18.4	20.2	30.2#
87	12.5	9.5	14.3

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#44

Trichloroethene

Concen: 4.453 ug/l

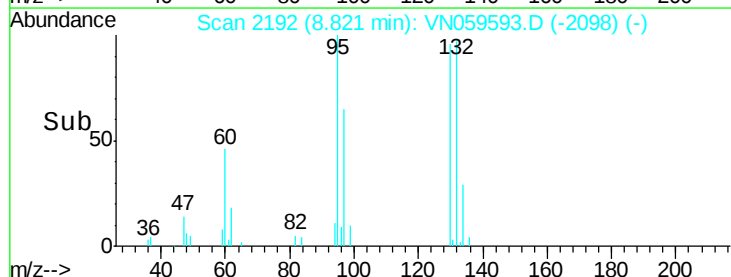
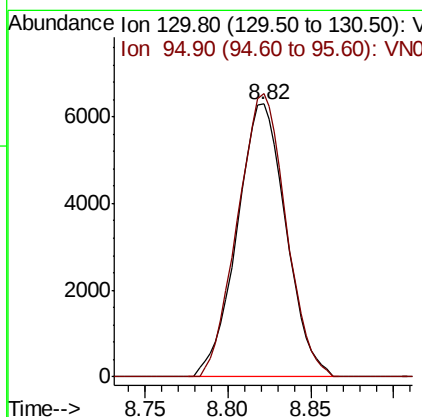
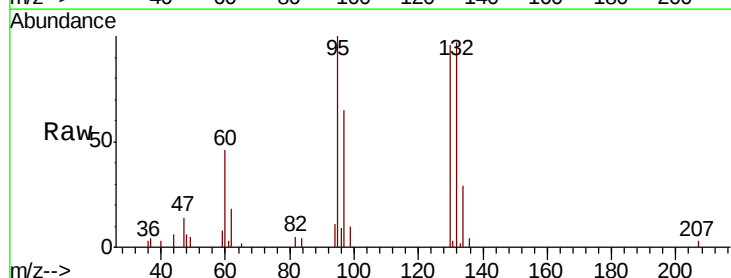
RT: 8.82 min Scan# 2192

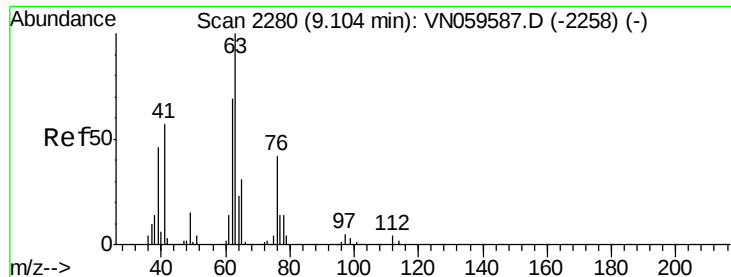
Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Tgt Ion:	130	Resp:	12913
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	207.0





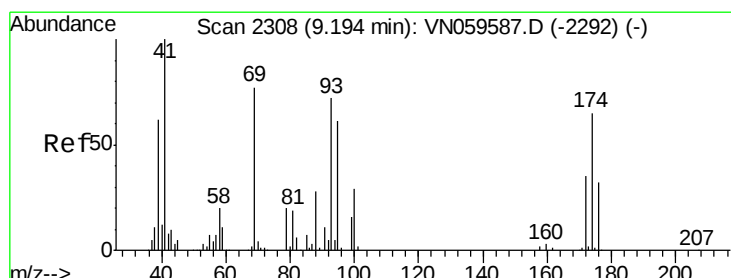
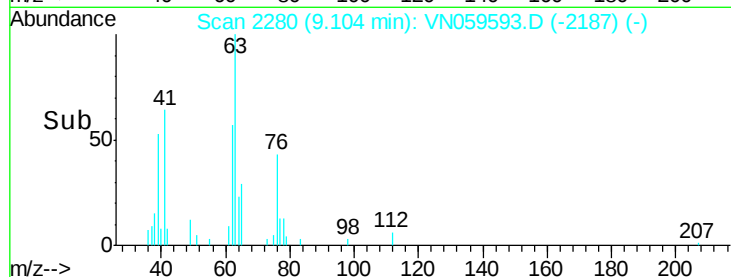
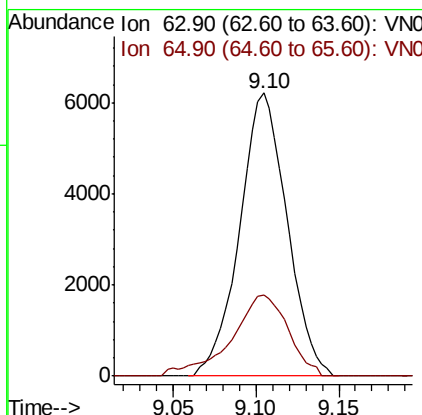
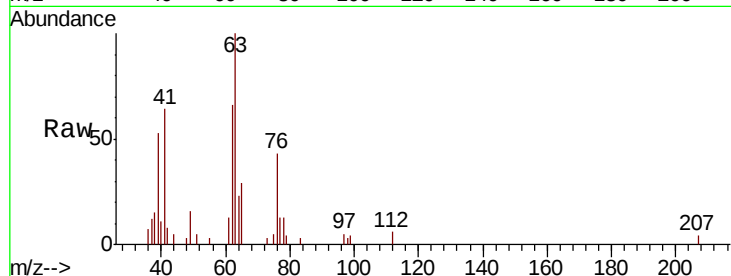
#45
 1,2-Dichloropropane
 Concen: 4.088 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.6	24.9	37.3

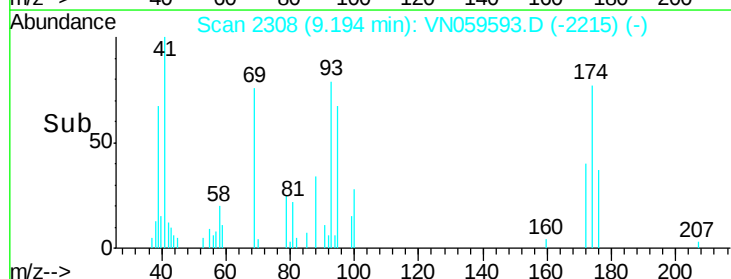
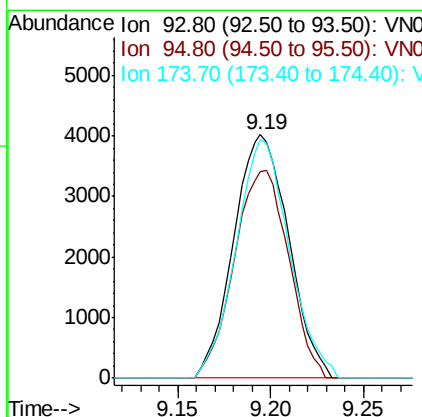
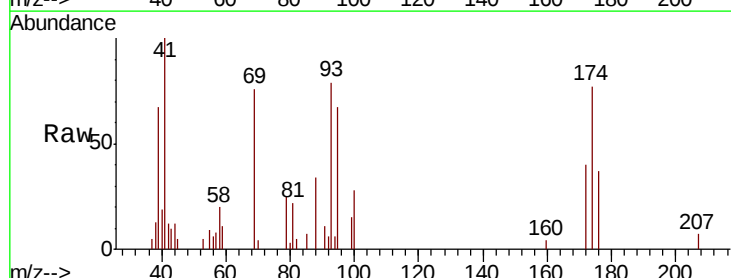
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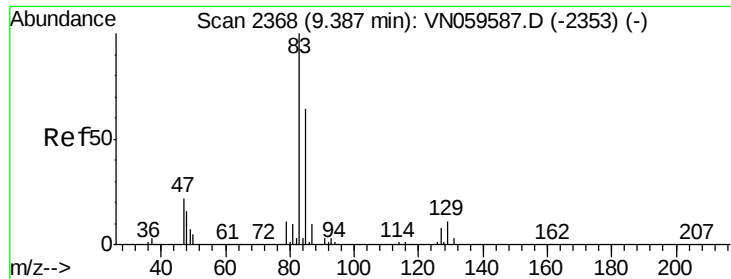
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#46
 Dibromomethane
 Concen: 4.131 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	67.0	100.6
174	94.9	73.4	110.2





#47

Bromodichloromethane

Concen: 4.101 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

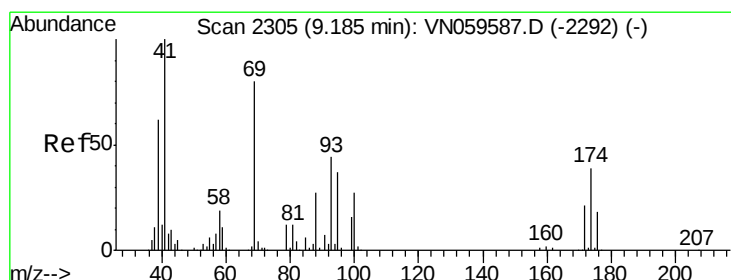
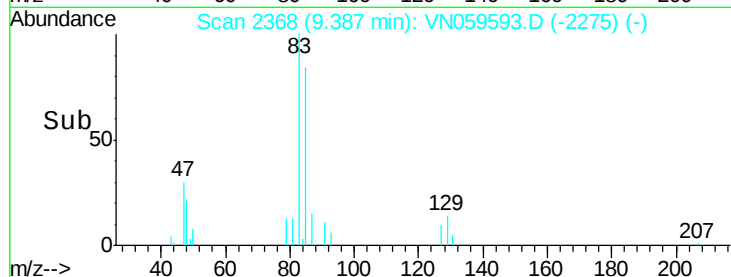
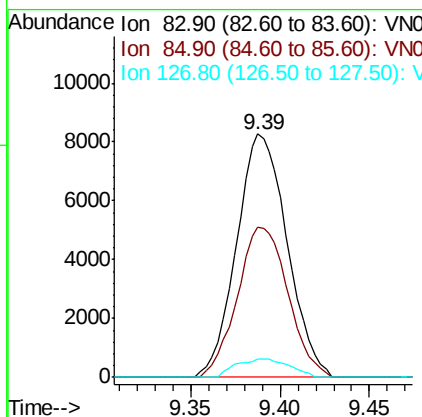
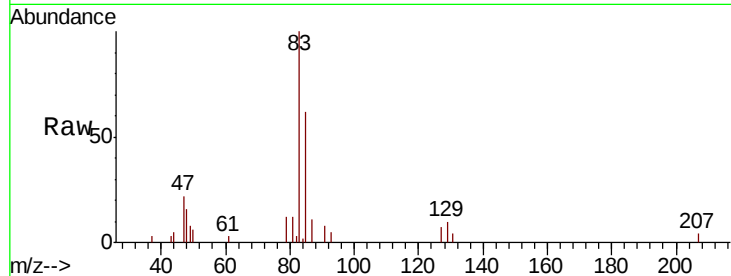
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	16331
Ion Ratio	Lower	Upper	
83	100		
85	61.8	51.1	76.7
127	7.4	6.6	9.8

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#48

Methyl methacrylate

Concen: 4.054 ug/l

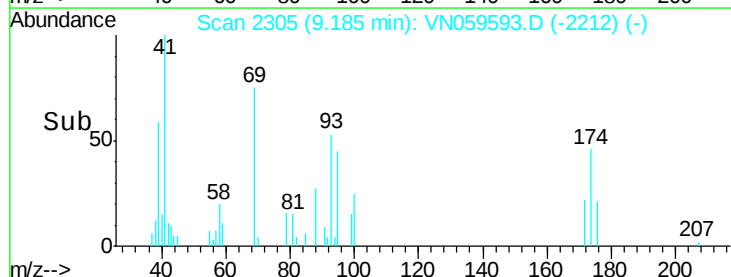
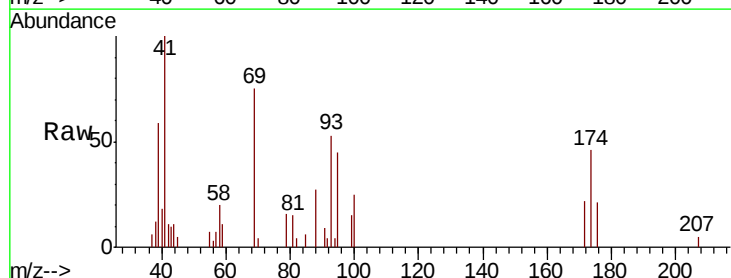
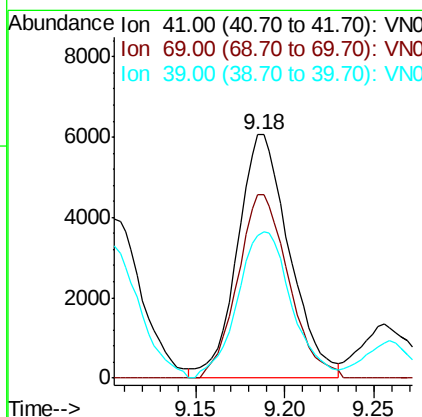
RT: 9.18 min Scan# 2305

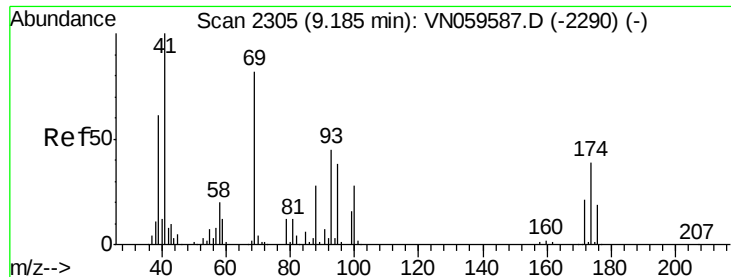
Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Tgt Ion:	41	Resp:	12325
Ion Ratio	Lower	Upper	
41	100		
69	74.0	64.4	96.6
39	62.5	51.3	76.9





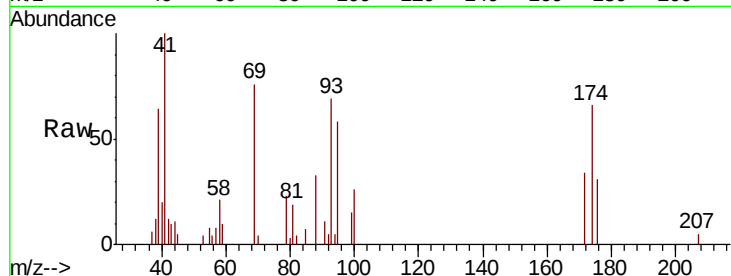
#49
1,4-Dioxane
Concen: 89.282 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

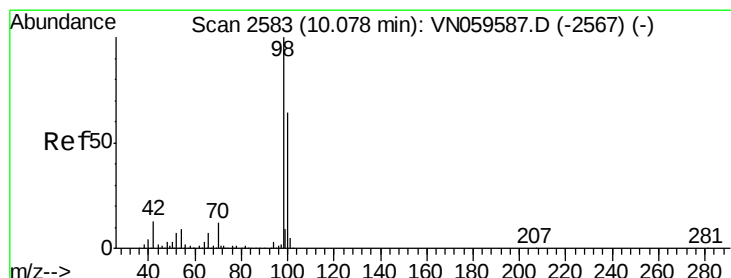
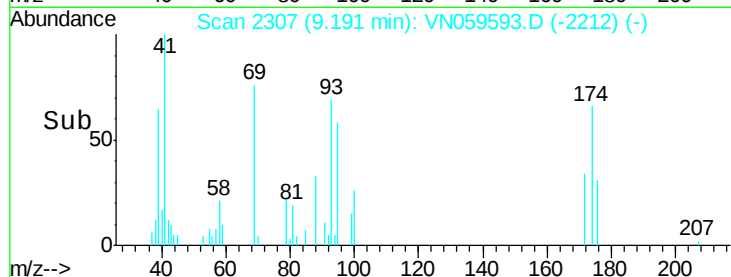
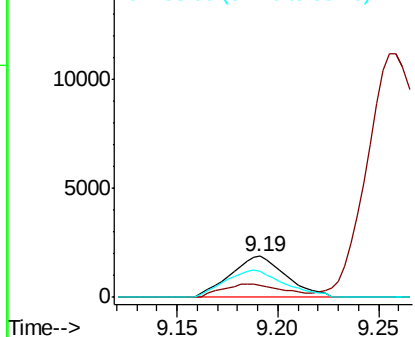
Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	29.7	44.5
58	70.6	56.6	85.0

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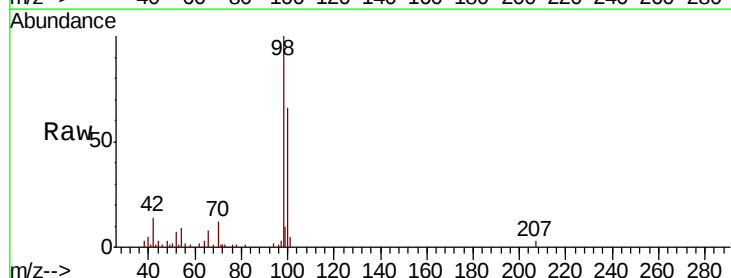


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

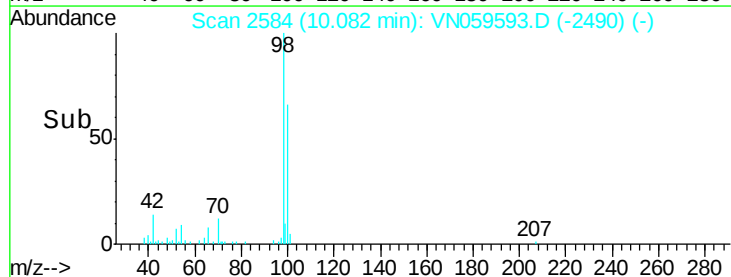
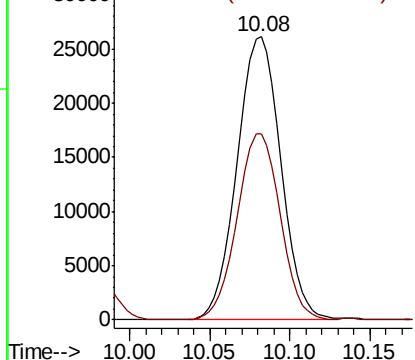


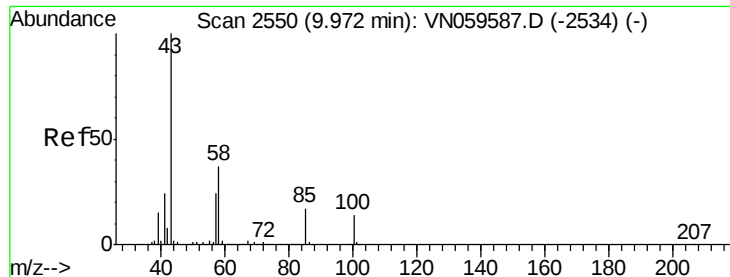
#50
Toluene-d8
Concen: 5.112 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8



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





#51

4-Methyl-2-Pentanone

Concen: 20.259 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 81574

Ion Ratio Lower Upper

43 100

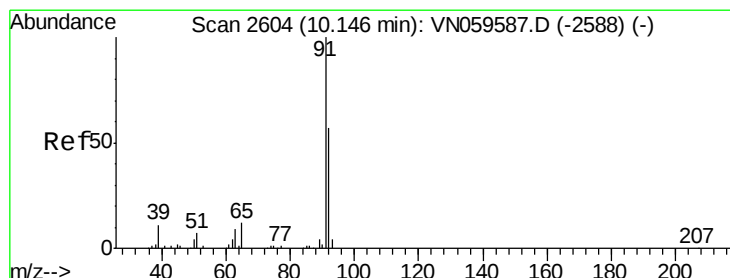
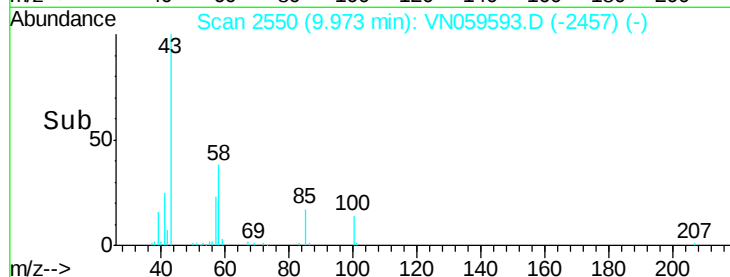
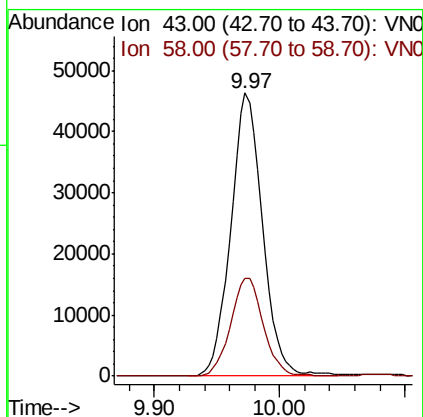
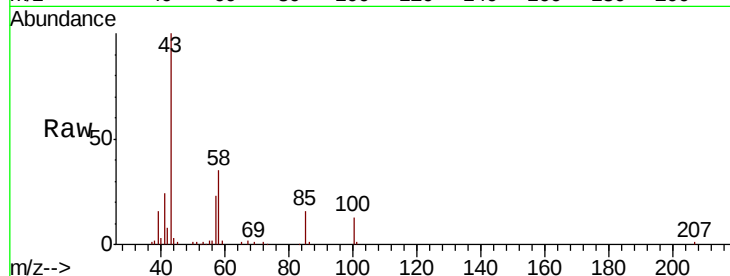
58 35.5 29.8 44.8

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#52

Toluene

Concen: 4.138 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059593.D

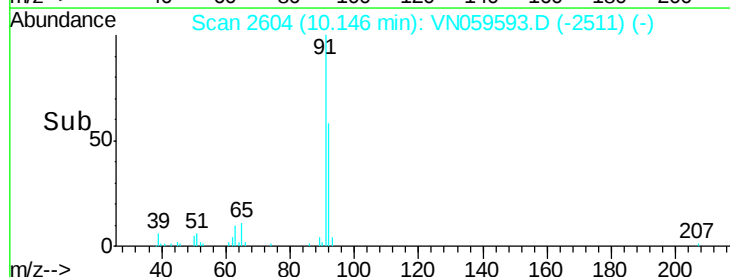
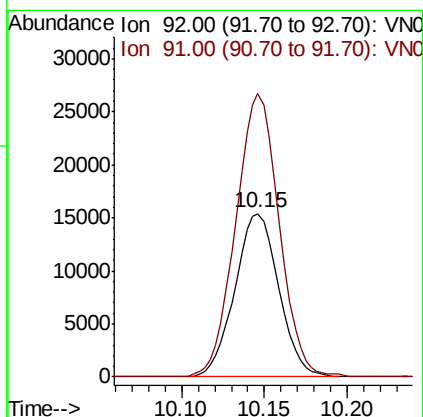
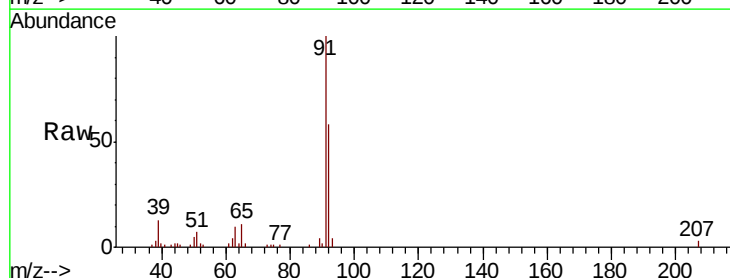
Acq: 13 Dec 2019 18:56

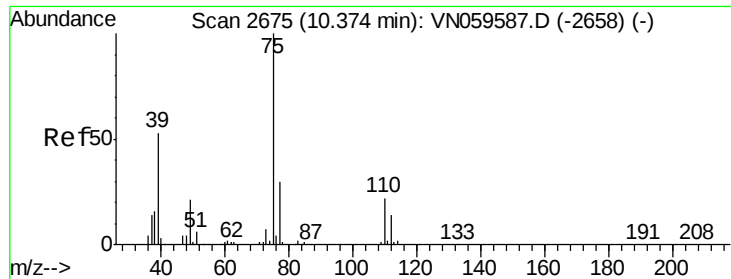
Tgt Ion: 92 Resp: 28257

Ion Ratio Lower Upper

92 100

91 171.9 140.4 210.6





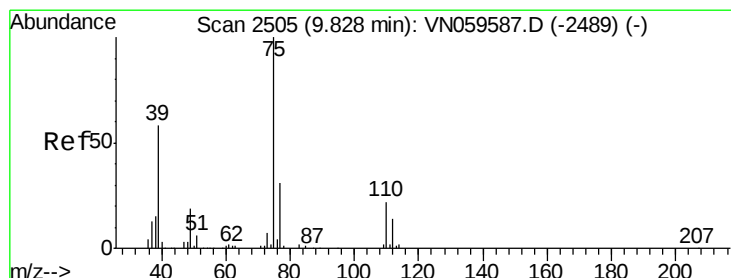
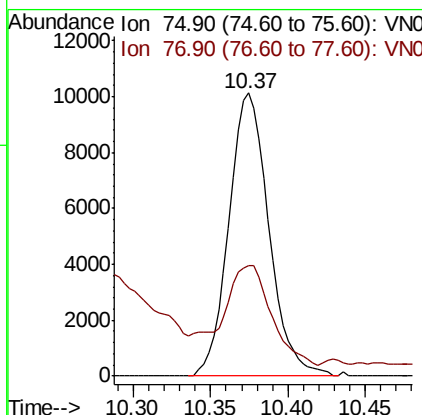
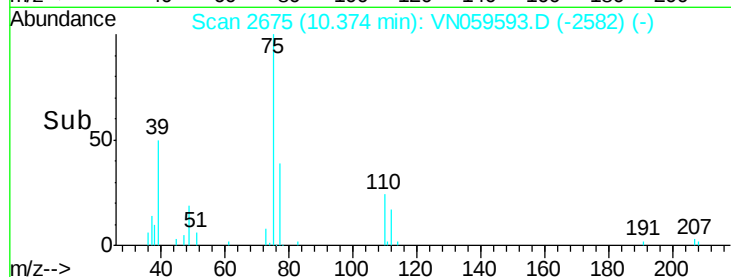
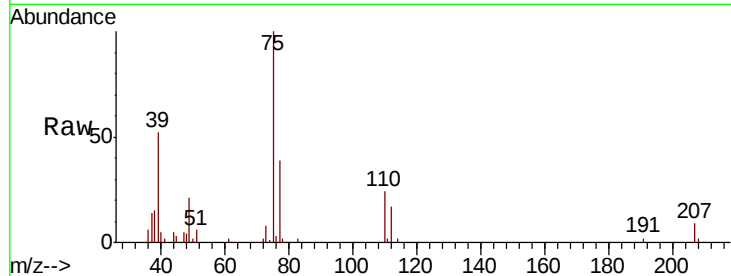
#53
t-1,3-Dichloropropene
Concen: 3.911 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 18170
Ion Ratio Lower Upper
75 100
77 33.5 25.4 38.2

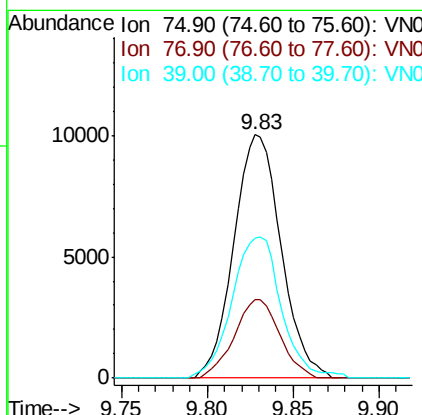
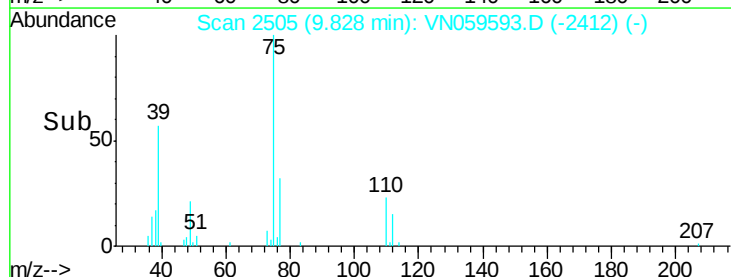
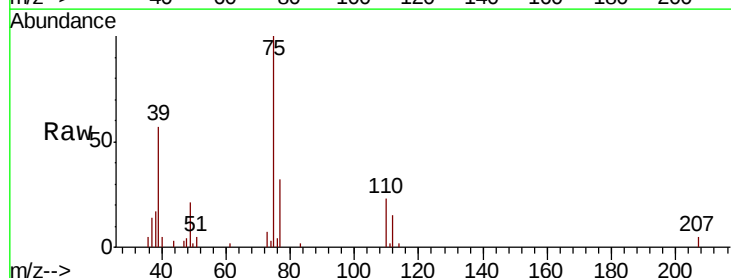
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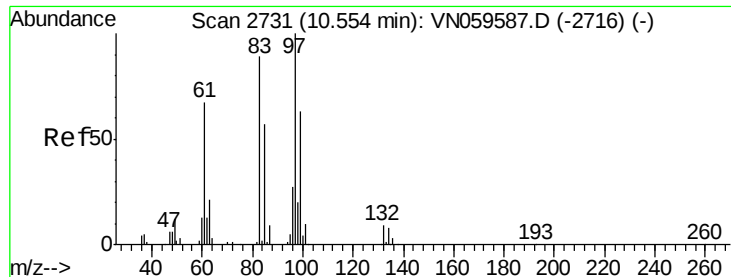
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#54
cis-1,3-Dichloropropene
Concen: 4.031 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion: 75 Resp: 19195
Ion Ratio Lower Upper
75 100
77 32.3 25.1 37.7
39 57.3 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 4.158 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

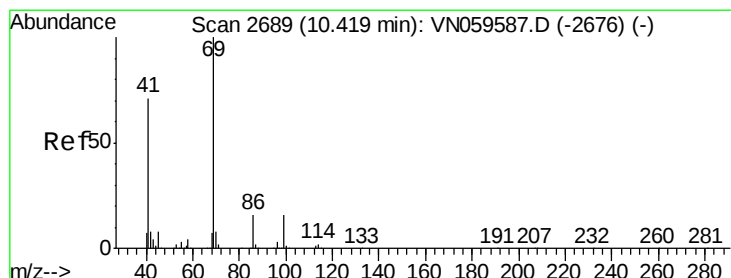
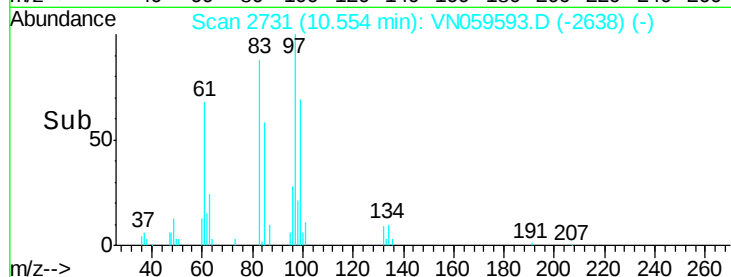
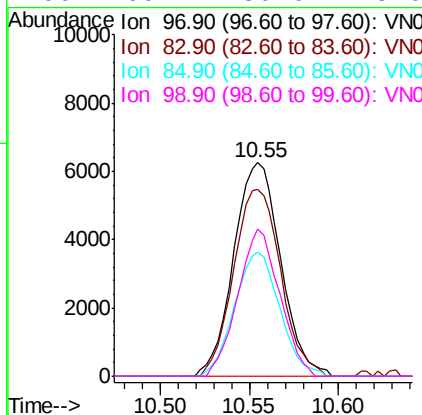
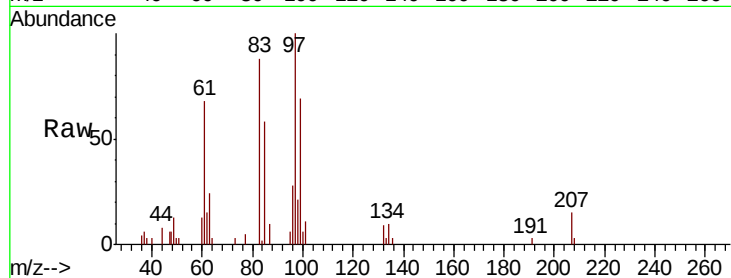
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	11484
Ion	Ratio	Lower	Upper
97	100		
83	87.8	71.3	106.9
85	58.2	45.8	68.8
99	69.1	50.0	75.0

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#56

Ethyl methacrylate

Concen: 3.364 ug/l

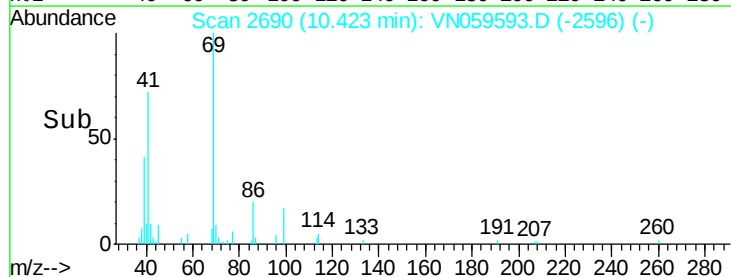
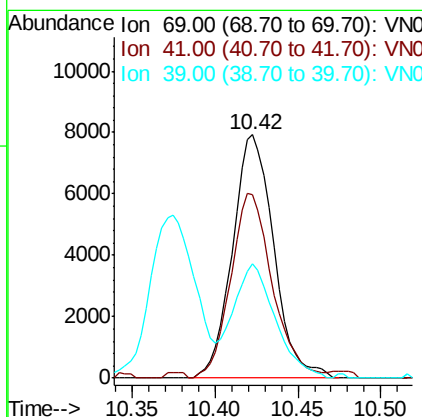
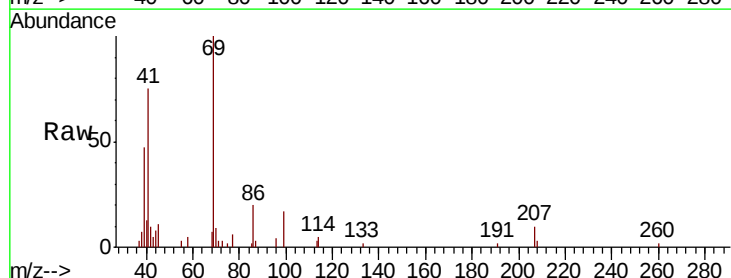
RT: 10.42 min Scan# 2690

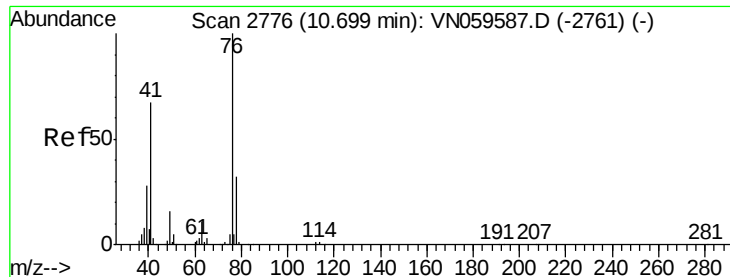
Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Tgt Ion:	69	Resp:	13732
Ion	Ratio	Lower	Upper
69	100		
41	76.6	57.1	85.7
39	48.4	34.7	52.1





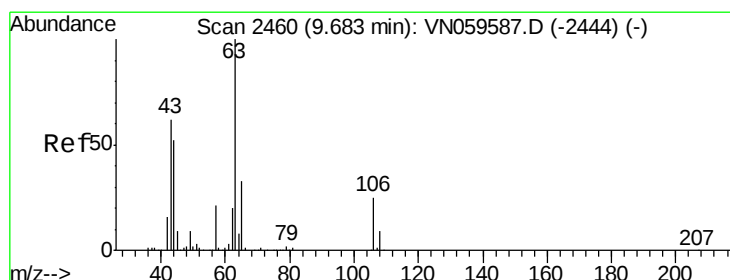
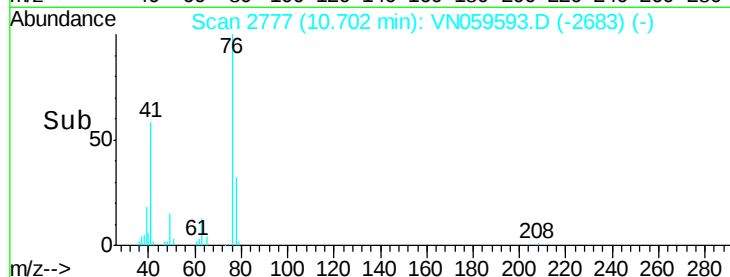
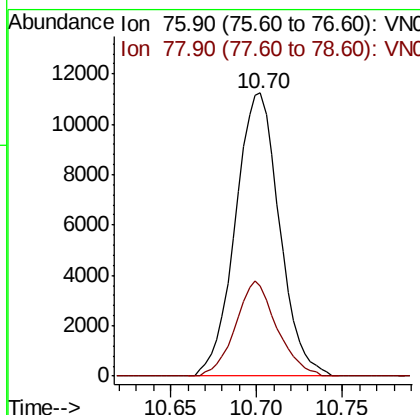
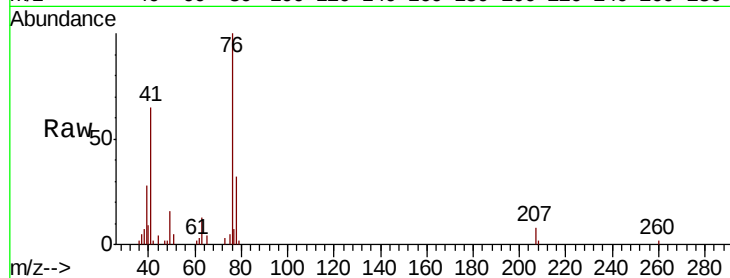
#57
 1,3-Dichloropropane
 Concen: 4.251 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.8	38.8

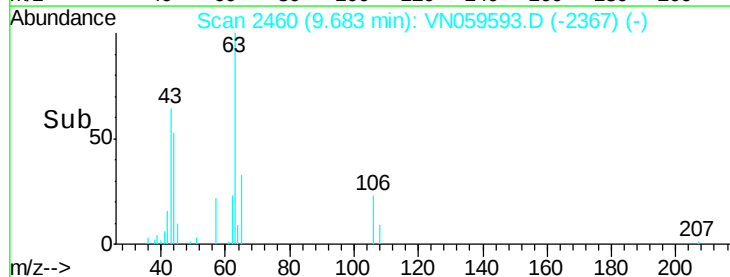
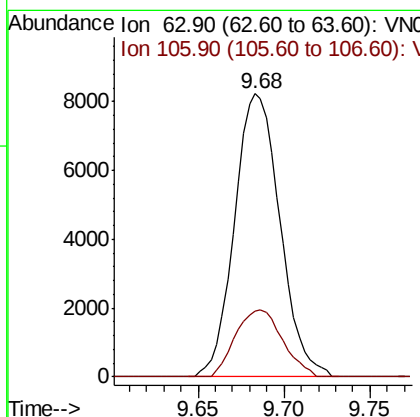
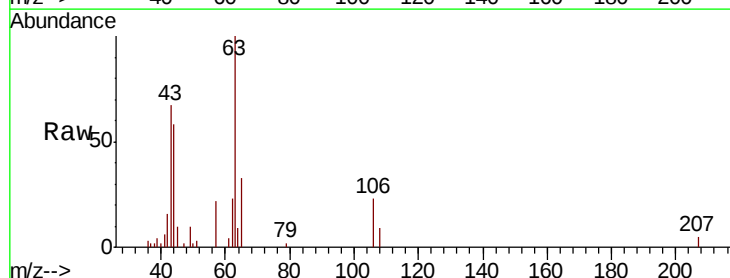
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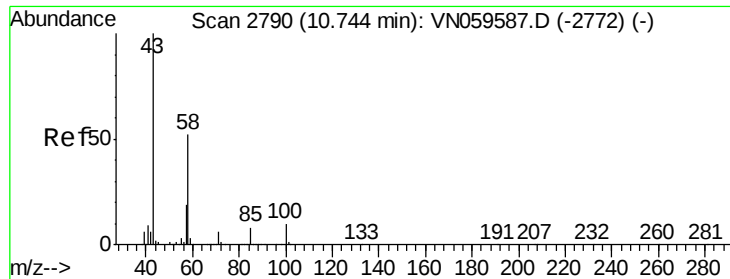
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#58
 2-Chloroethyl Vinyl ether
 Concen: 11.695 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.6	20.2	30.2





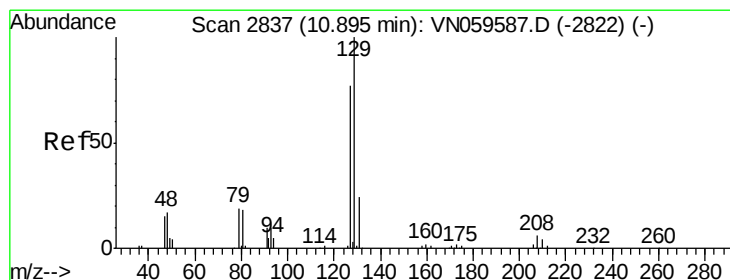
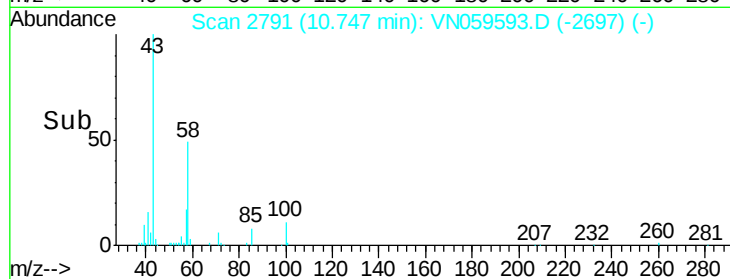
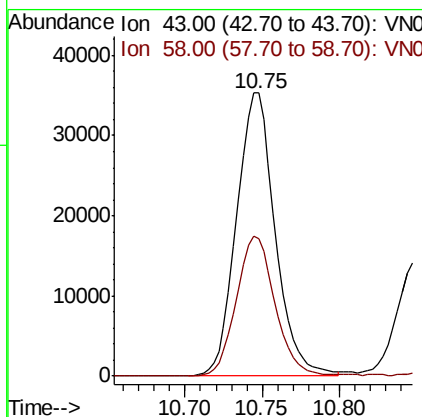
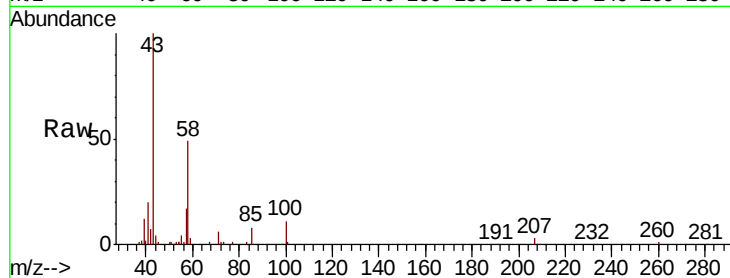
#59
2-Hexanone
Concen: 20.117 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 61387
Ion Ratio Lower Upper
43 100
58 49.3 25.8 77.3

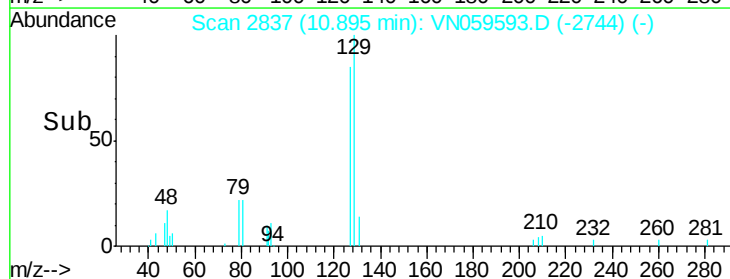
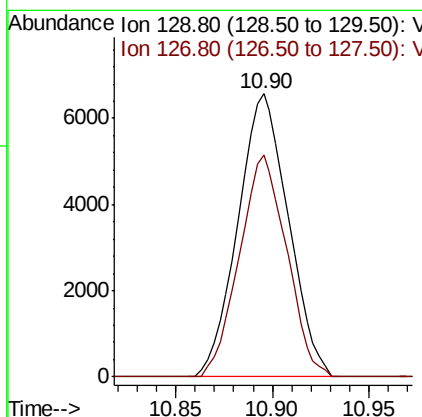
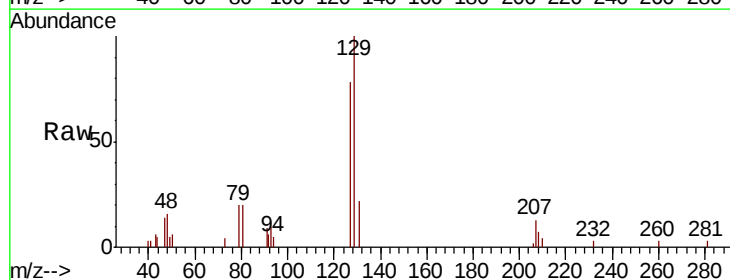
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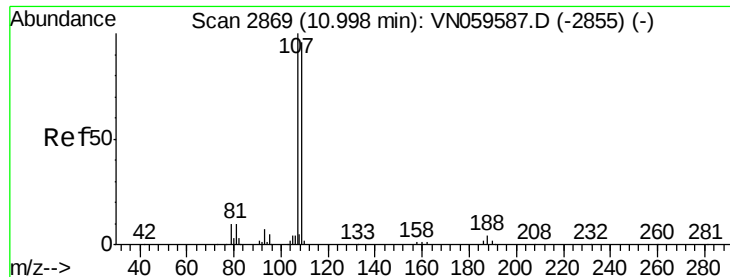
apatel
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#60
Dibromochloromethane
Concen: 3.982 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion: 129 Resp: 11924
Ion Ratio Lower Upper
129 100
127 73.3 38.5 115.5





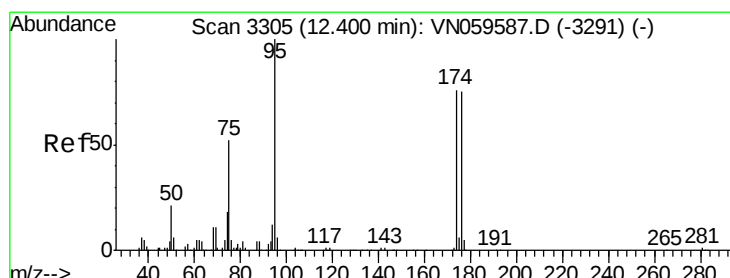
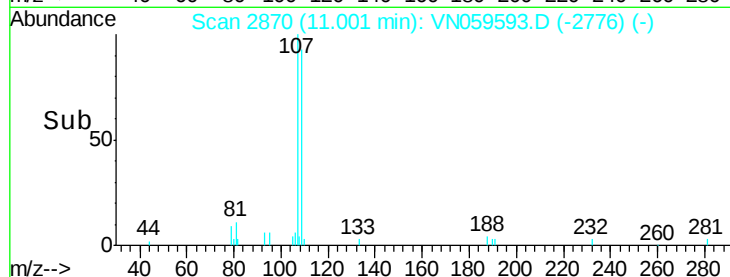
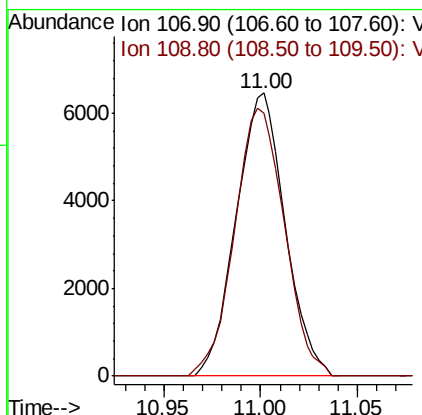
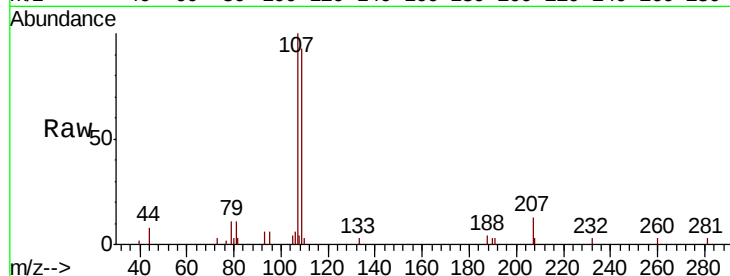
#61
 1,2-Dibromoethane
 Concen: 3.958 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	76.6	115.0

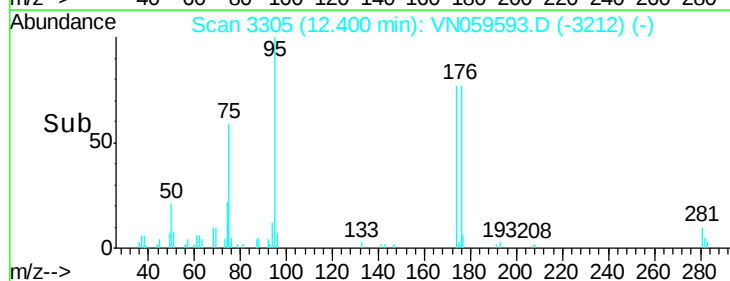
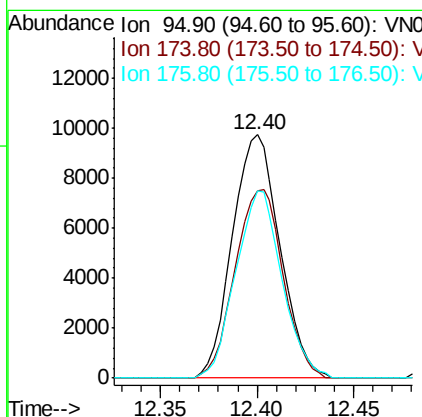
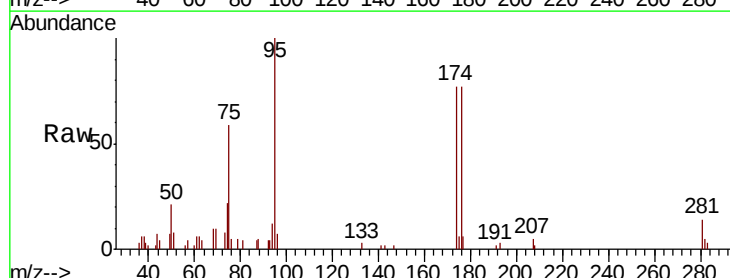
Manual Integrations
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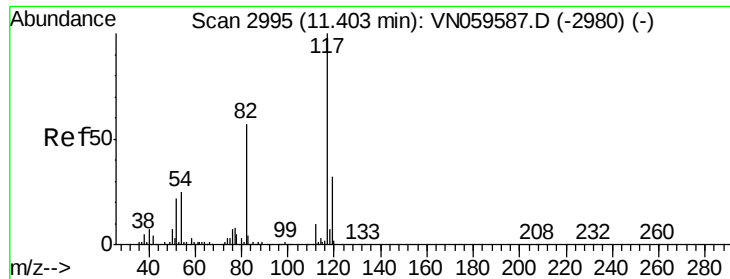
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#62
 4-Bromofluorobenzene
 Concen: 4.805 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	151.4
176	74.7	0.0	146.0





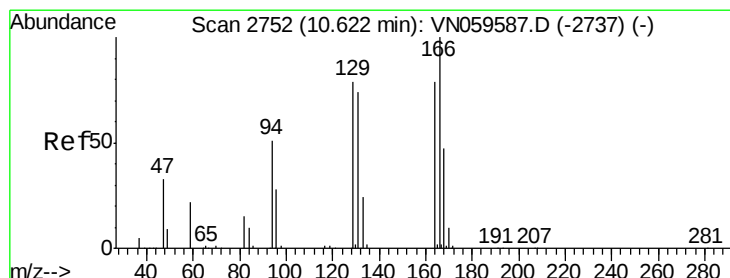
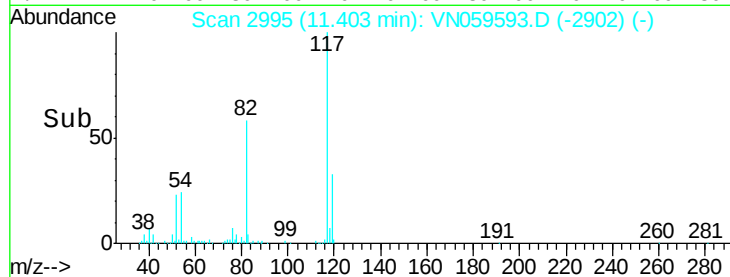
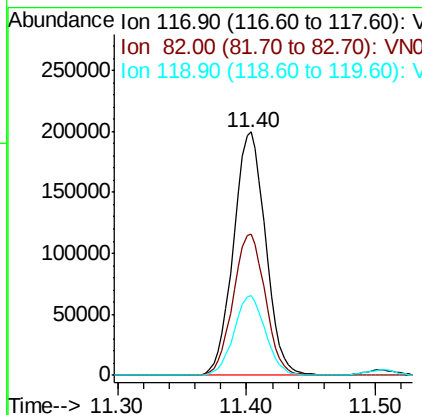
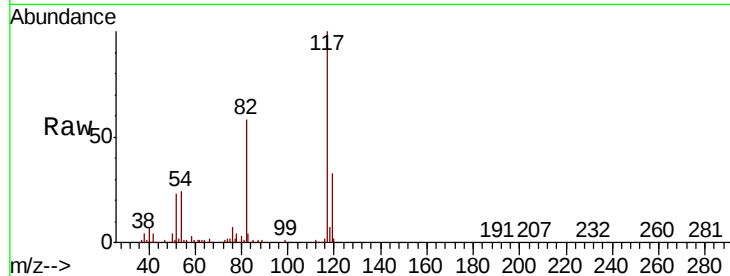
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	45.9	68.9
119	32.6	25.5	38.3

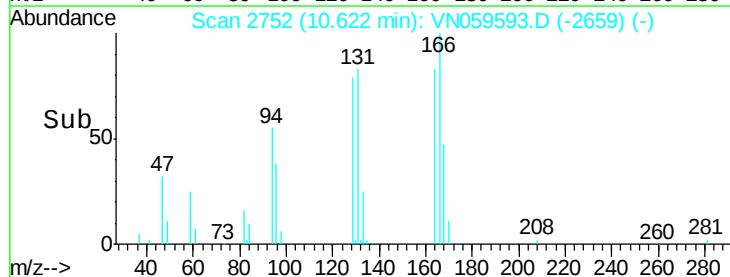
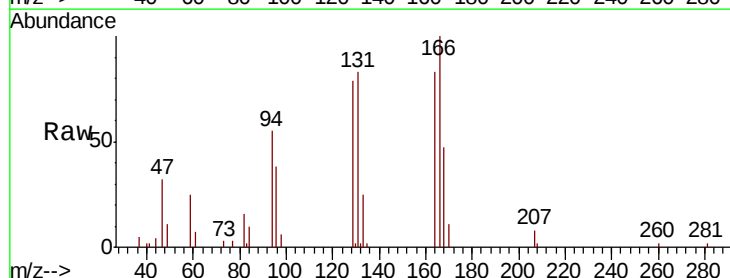
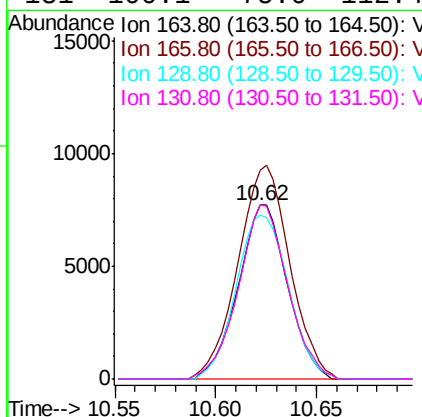
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#64
Tetrachloroethene
Concen: 4.918 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.2	101.4	152.0
129	94.5	80.2	120.4
131	100.1	75.0	112.4





#65

Chlorobenzene

Concen: 4.052 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 29849

Ion Ratio Lower Upper

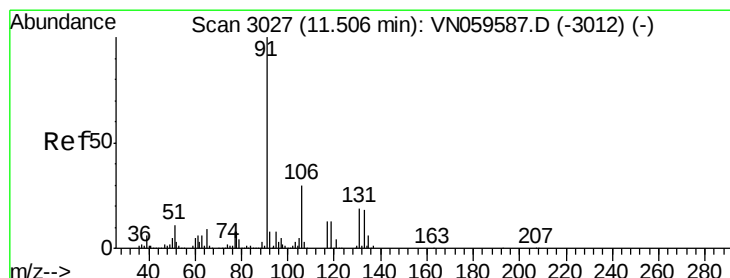
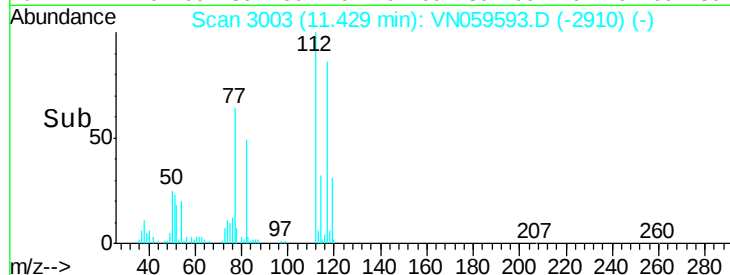
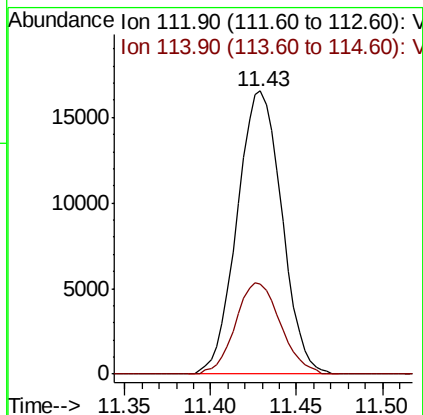
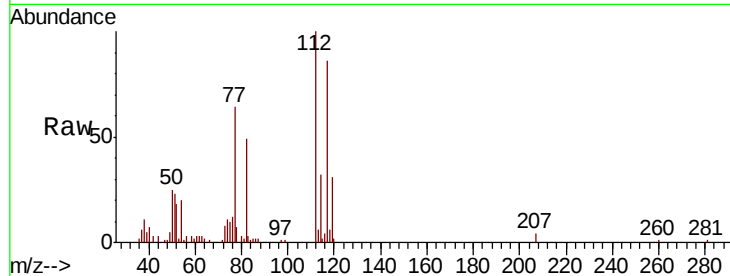
112 100

114 31.8 25.8 38.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 4.132 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

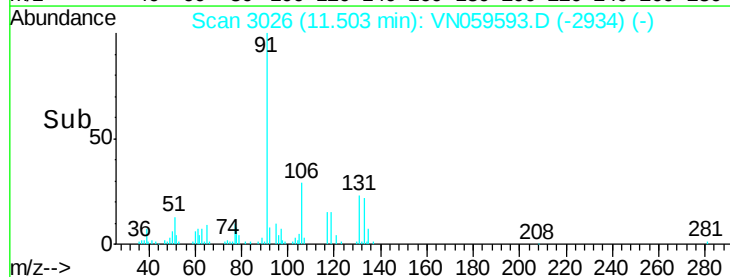
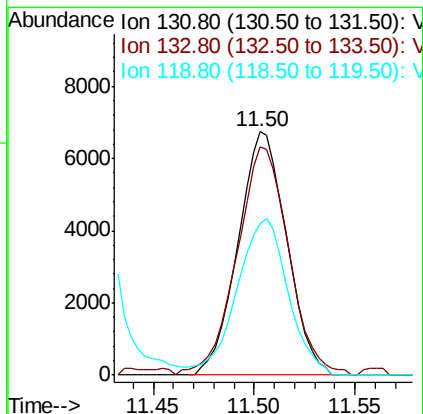
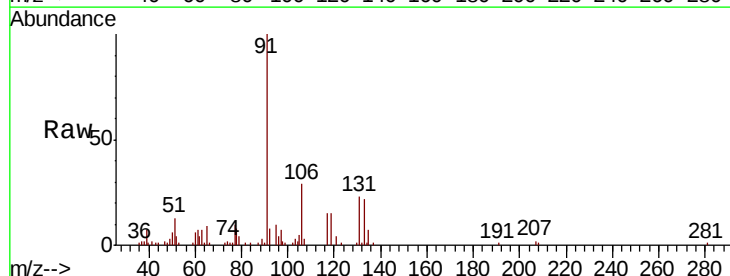
Tgt Ion:131 Resp: 11369

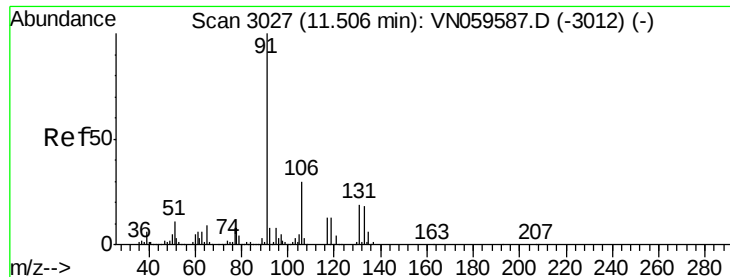
Ion Ratio Lower Upper

131 100

133 99.7 47.4 142.2

119 67.5 33.1 99.3





#67

Ethyl Benzene

Concen: 3.955 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 52349

Ion Ratio Lower Upper

91 100

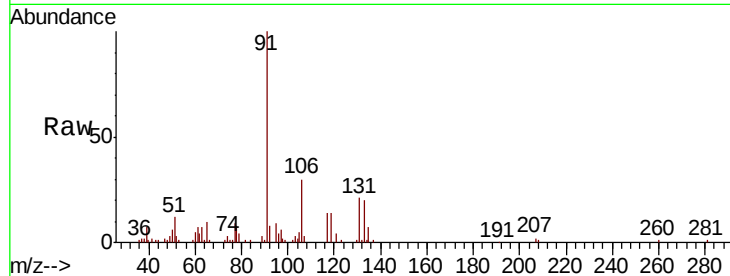
106 29.9 24.1 36.1

Manual Integrations

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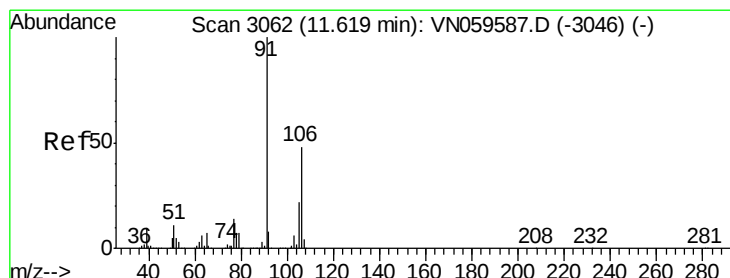
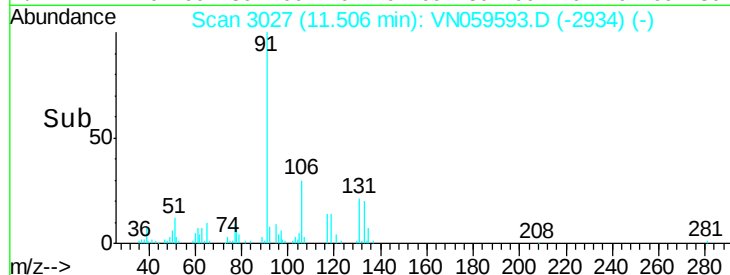
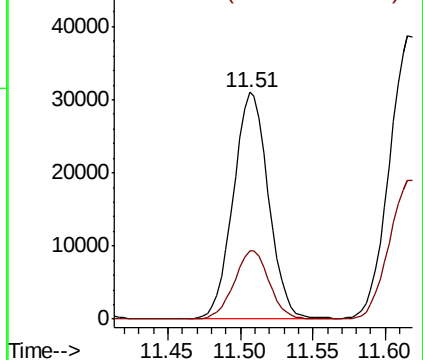
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Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)

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



#68

m/p-Xylenes

Concen: 7.681 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059593.D

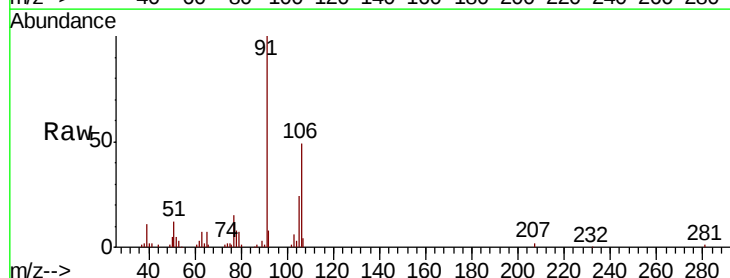
Acq: 13 Dec 2019 18:56

Tgt Ion: 106 Resp: 37657

Ion Ratio Lower Upper

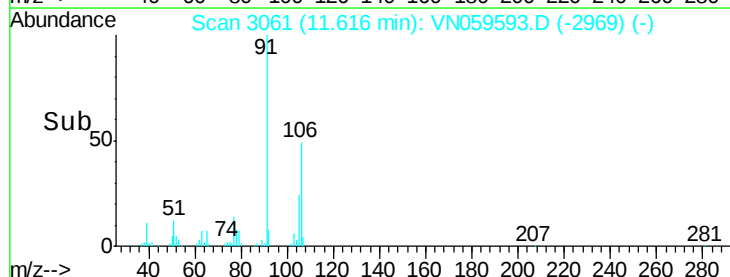
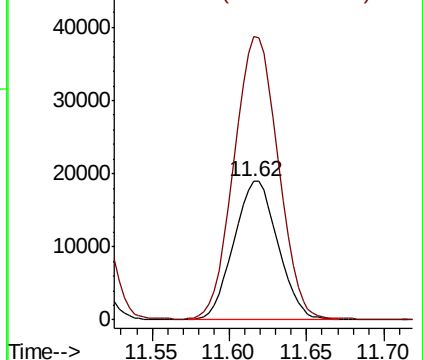
106 100

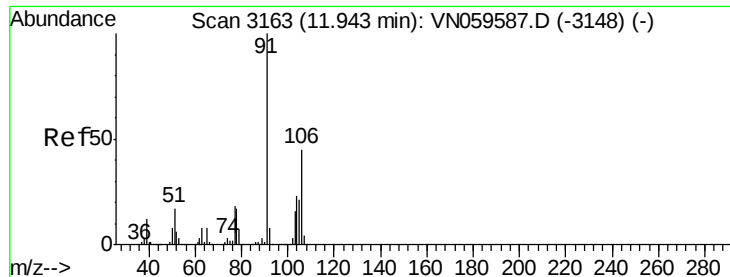
91 205.5 167.9 251.9



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

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





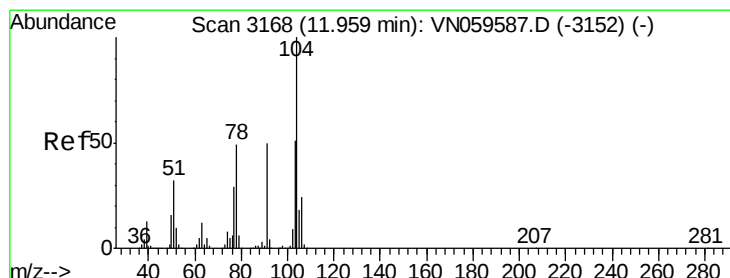
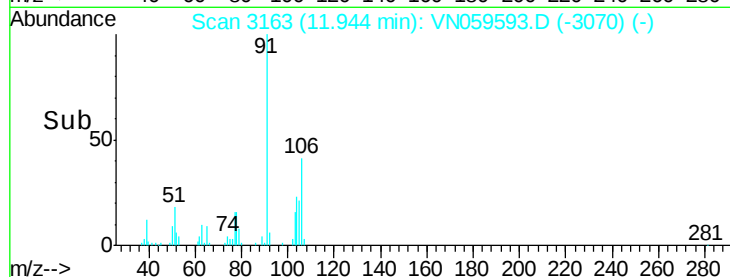
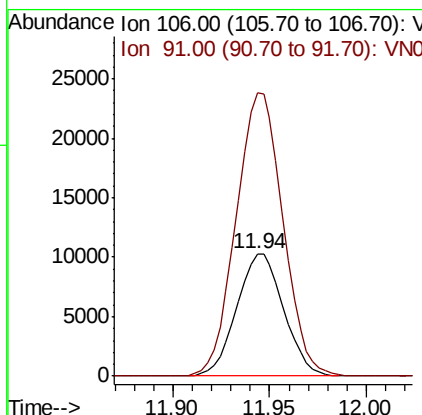
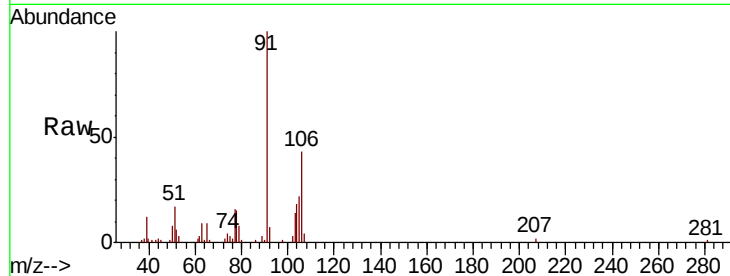
#69
o-Xylene
Concen: 3.783 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	231.8	110.3	330.9	

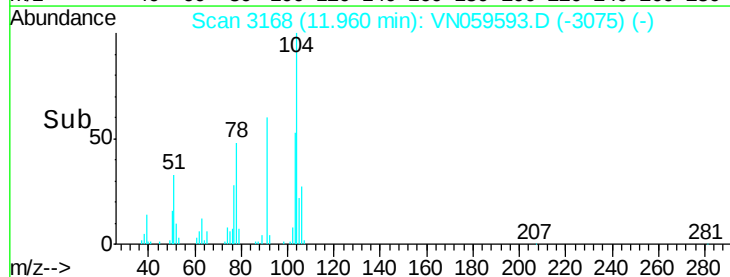
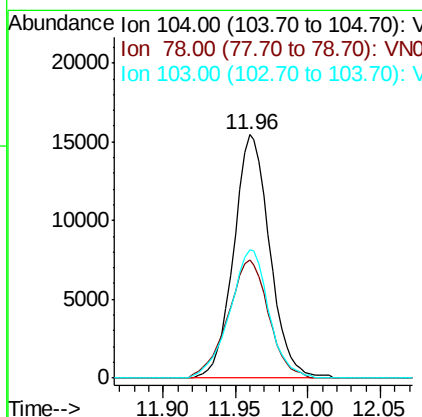
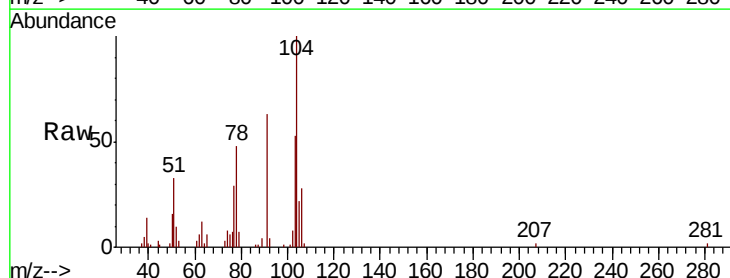
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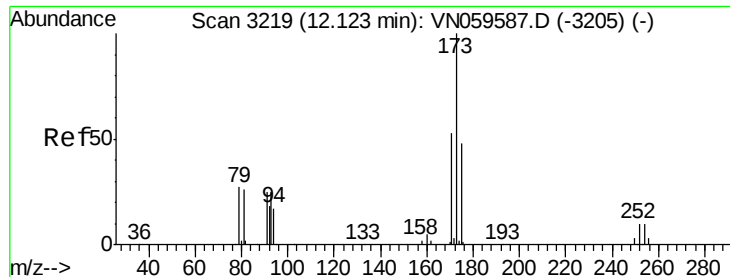
apatel
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#70
Styrene
Concen: 3.524 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	54.6	42.4	63.6	
103	56.9	43.9	65.9	





#71

Bromoform

Concen: 3.811 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 8130

Ion Ratio Lower Upper

173 100

175 48.1 23.8 71.4

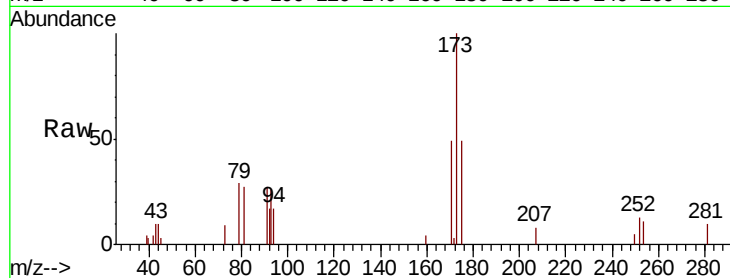
254 0.0 0.0 0.0

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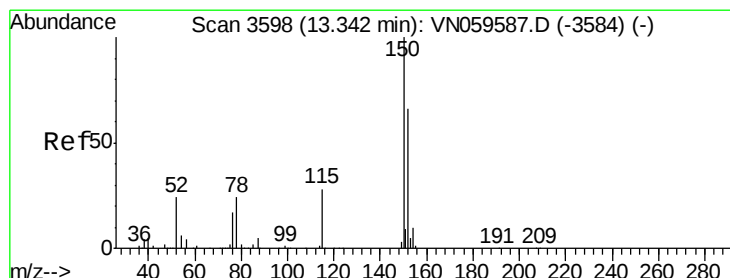
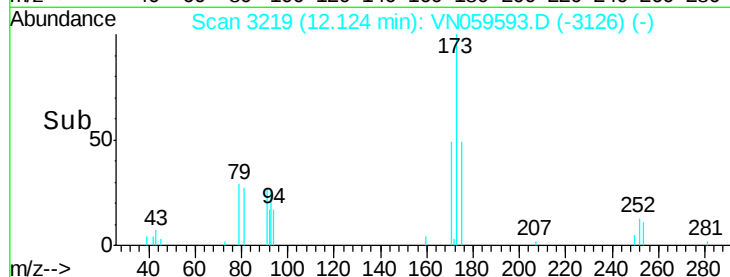
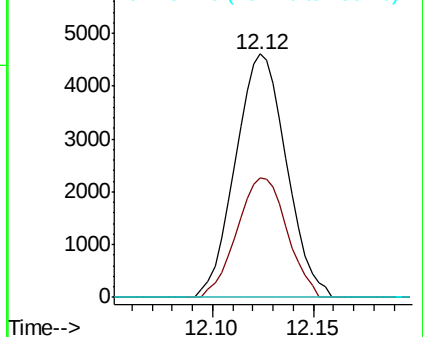
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

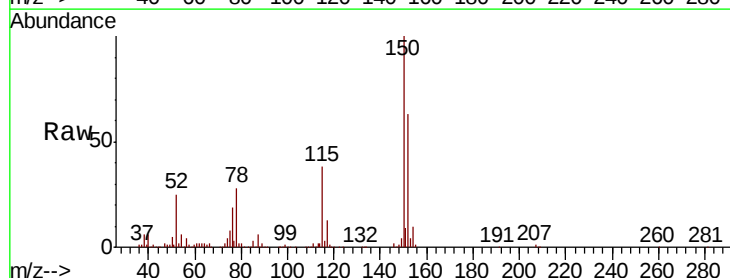
Tgt Ion:152 Resp: 150517

Ion Ratio Lower Upper

152 100

115 60.2 30.3 90.9

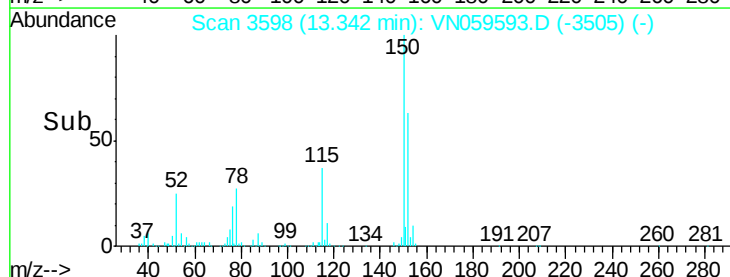
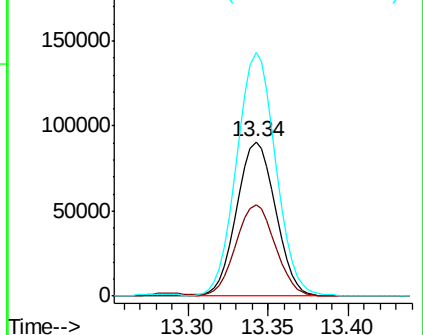
150 157.4 0.0 345.2

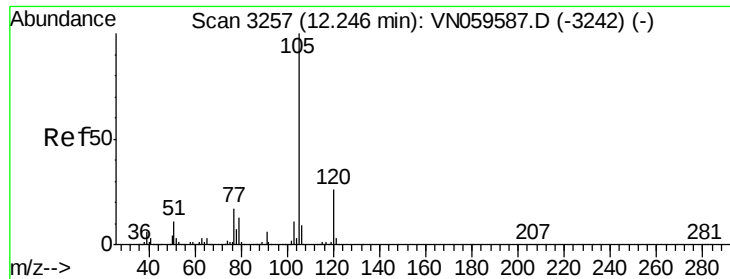


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.036 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 47486

Ion Ratio Lower Upper

105 100

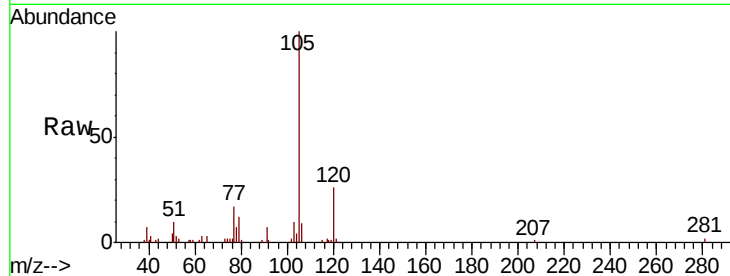
120 26.3 13.2 39.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

30000

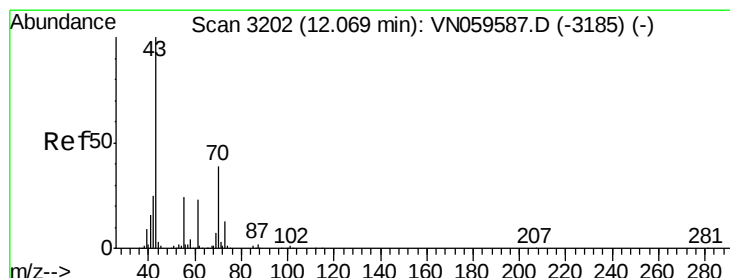
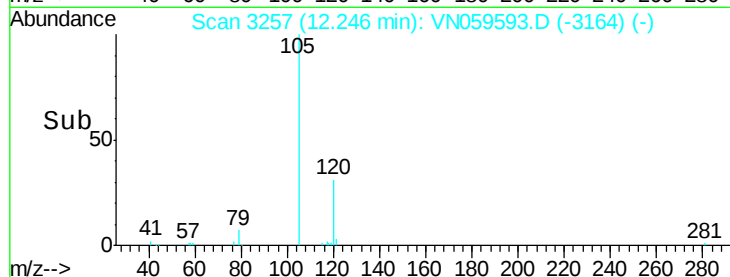
20000

10000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 3.763 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Tgt Ion: 43 Resp: 19396

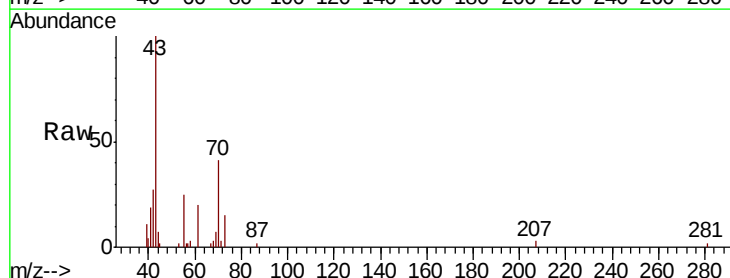
Ion Ratio Lower Upper

43 100

70 41.5 31.3 46.9

55 26.6 19.8 29.6

61 19.7 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

15000

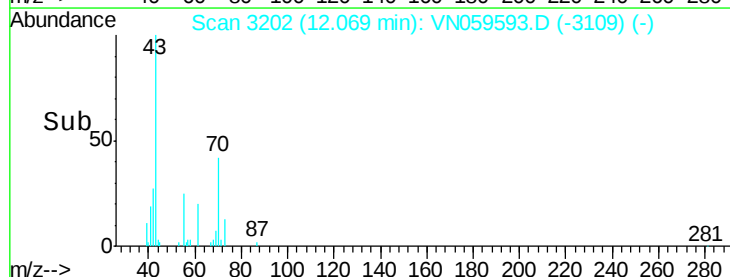
10000

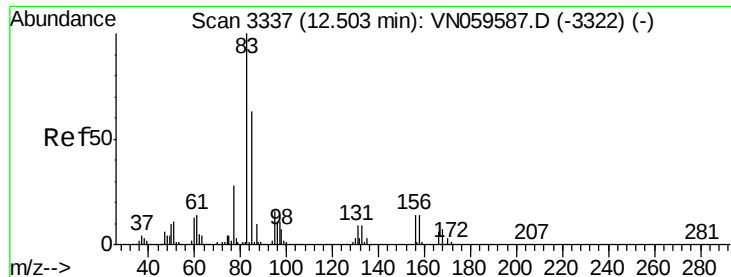
5000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 3.948 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

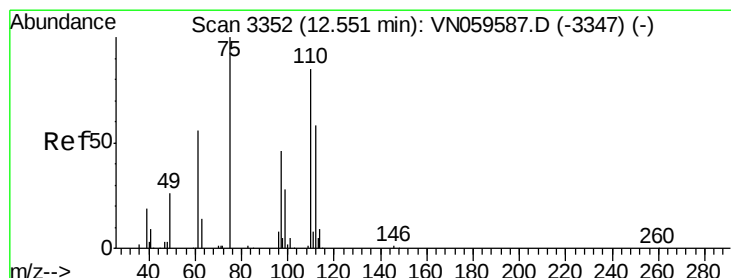
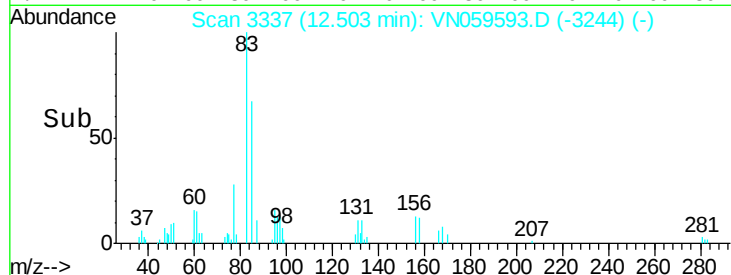
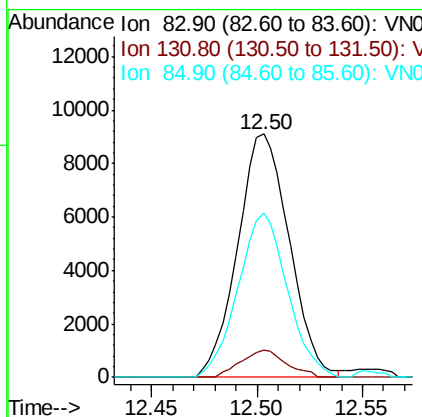
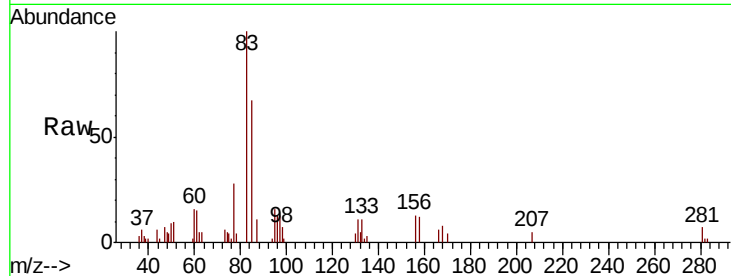
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	15504
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: 4.295 ug/l m

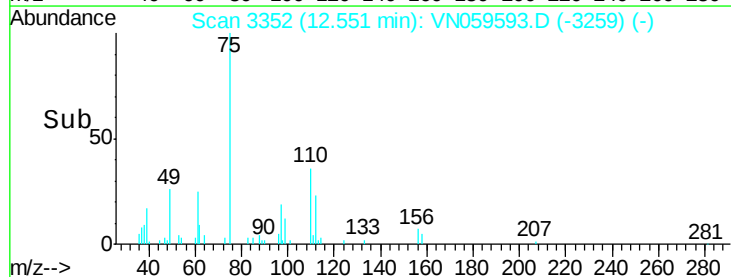
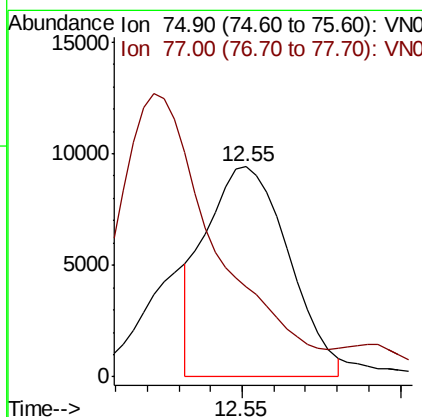
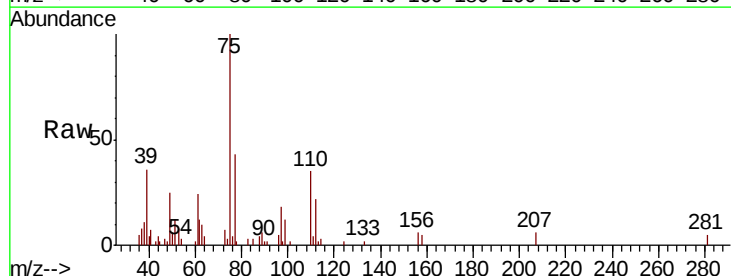
RT: 12.55 min Scan# 3352

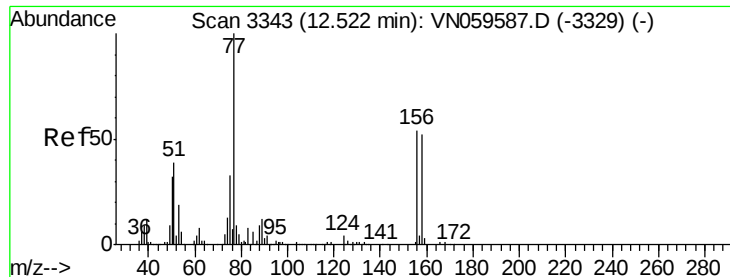
Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Tgt Ion:	75	Resp:	17011
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.117 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 11883

Ion Ratio Lower Upper

156 100

77 234.5 115.8 347.4

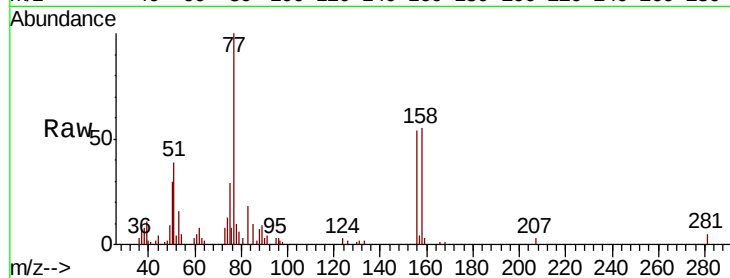
158 100.9 49.2 147.6

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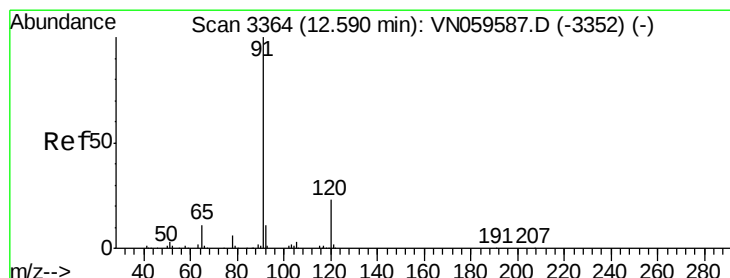
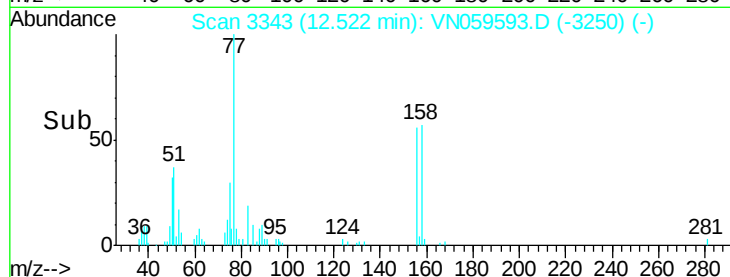
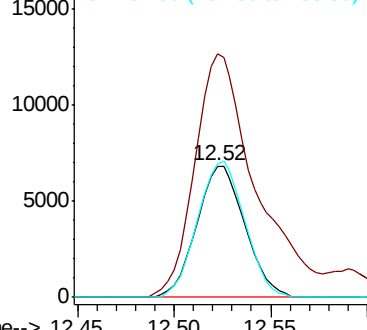
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 3.759 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059593.D

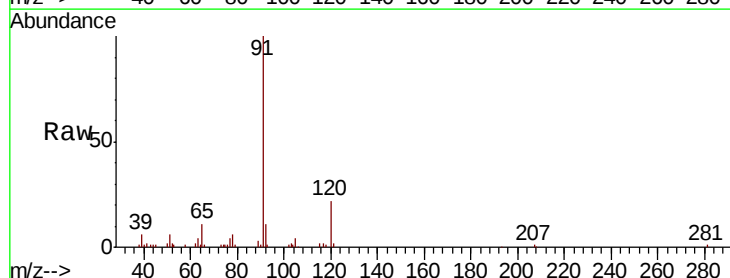
Acq: 13 Dec 2019 18:56

Tgt Ion: 91 Resp: 53772

Ion Ratio Lower Upper

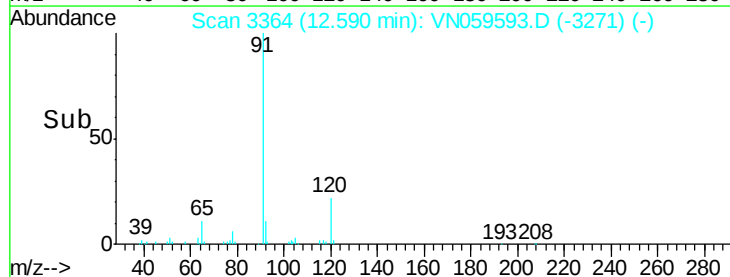
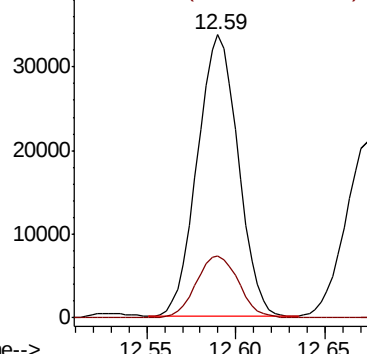
91 100

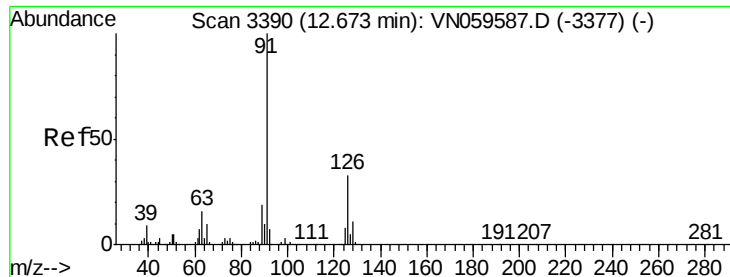
120 22.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 3.990 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 34062

Ion Ratio Lower Upper

91 100

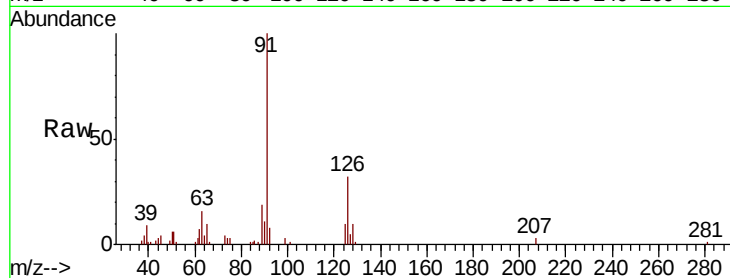
126 31.8 16.3 48.9

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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) (-)

12.67

25000

20000

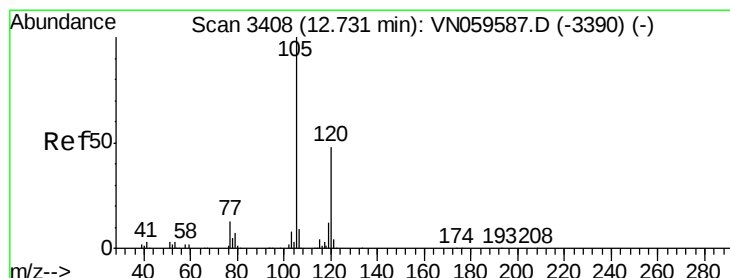
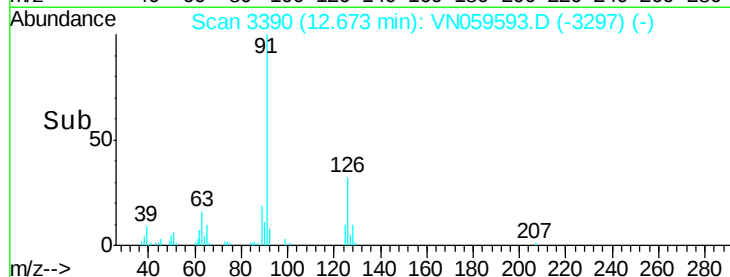
15000

10000

5000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 3.945 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059593.D

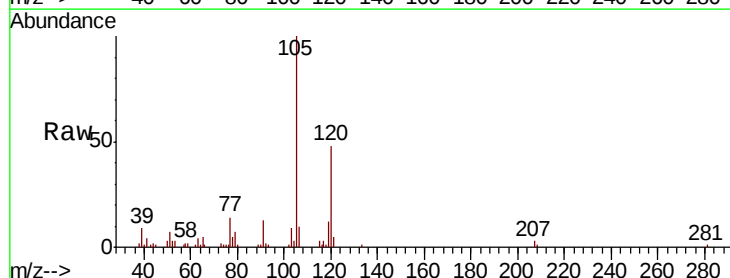
Acq: 13 Dec 2019 18:56

Tgt Ion: 105 Resp: 39273

Ion Ratio Lower Upper

105 100

120 48.1 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) (-)

12.73

25000

20000

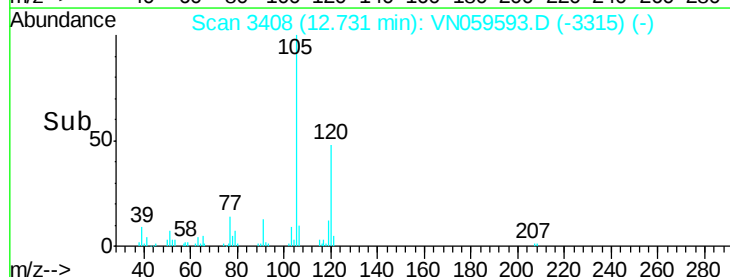
15000

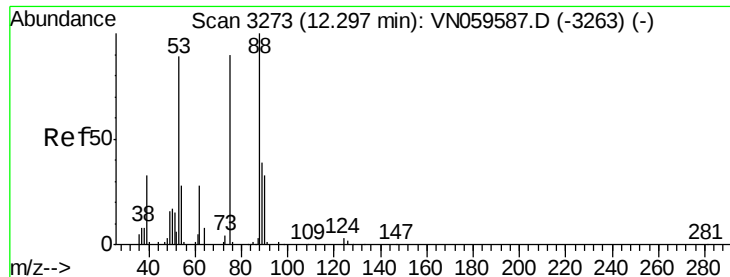
10000

5000

0

Time--> 12.65 12.70 12.75 12.80





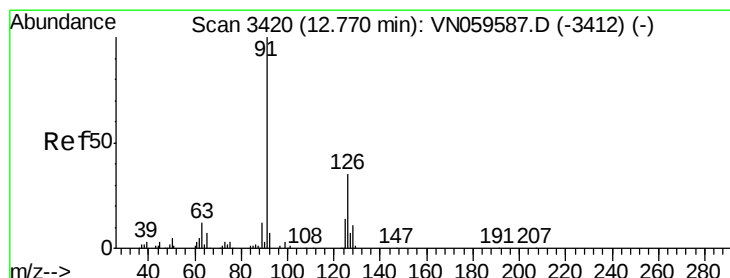
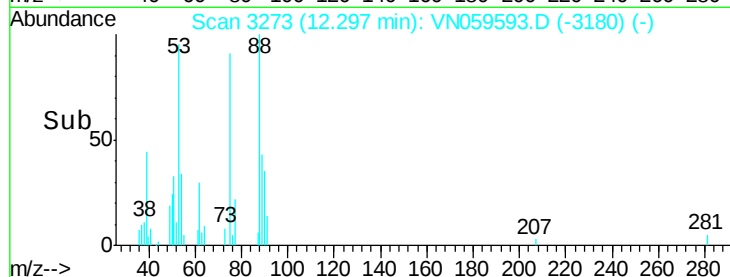
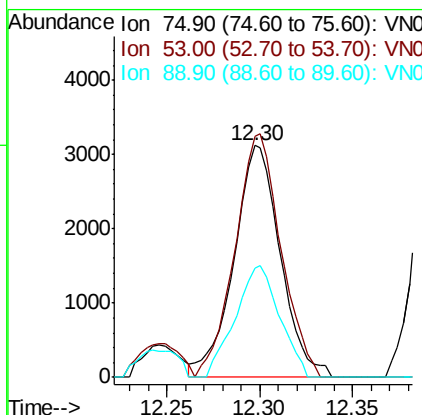
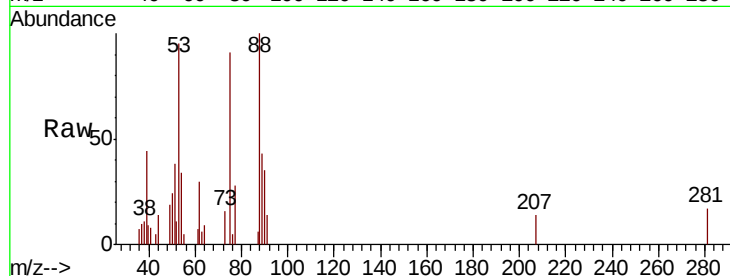
#81
trans-1,4-Dichloro-2-butene
Concen: 3.635 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.8	78.1	117.1
89	45.8	35.4	53.2

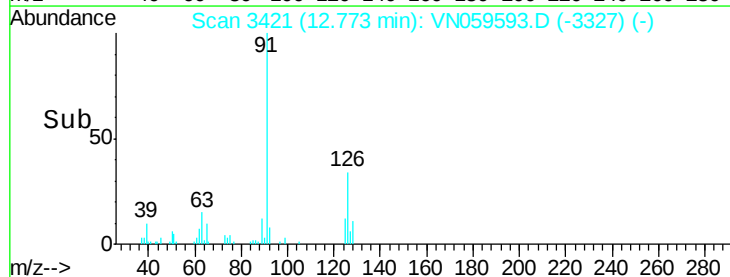
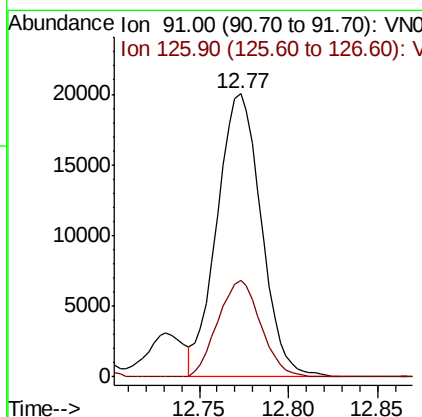
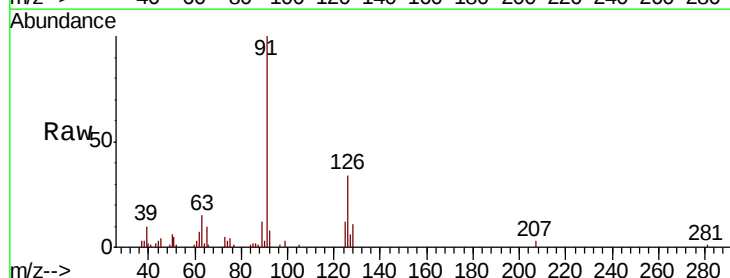
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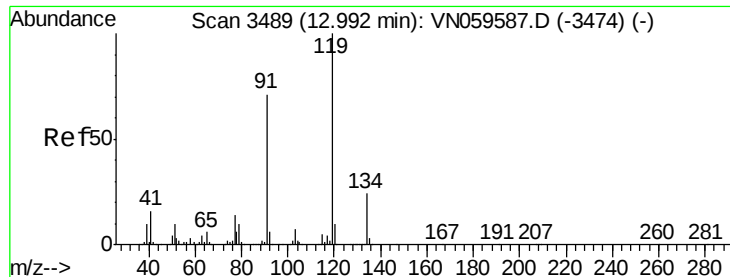
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#82
4-Chlorotoluene
Concen: 3.957 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.3	48.8





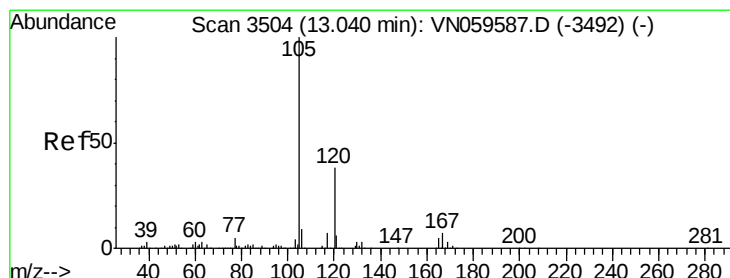
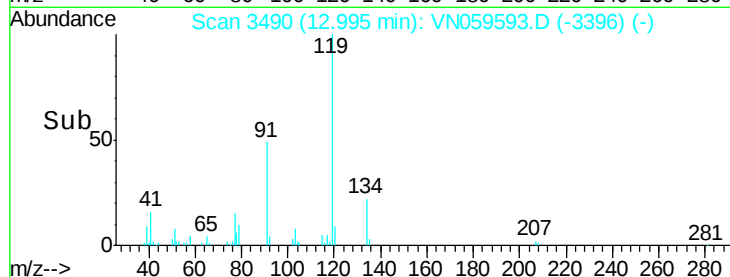
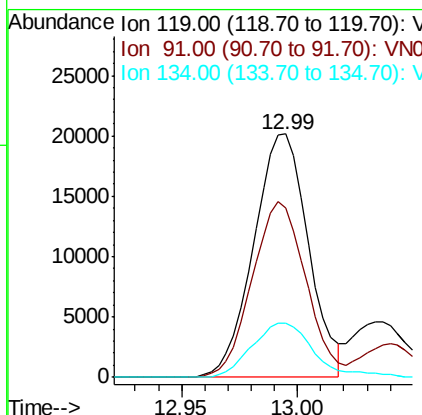
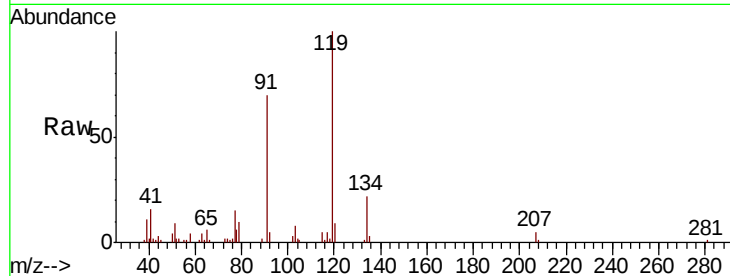
#83
 tert-Butylbenzene
 Concen: 3.985 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.2	34.8	104.4
134	25.2	12.3	36.9

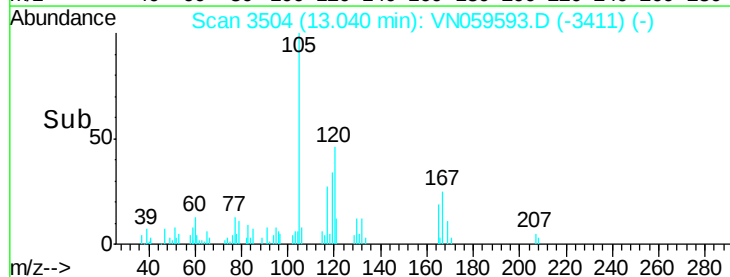
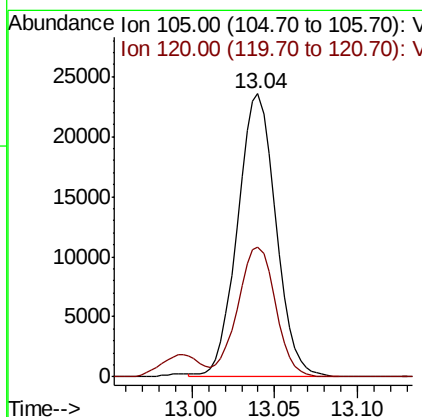
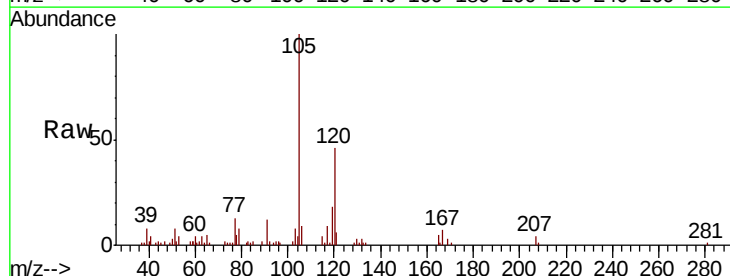
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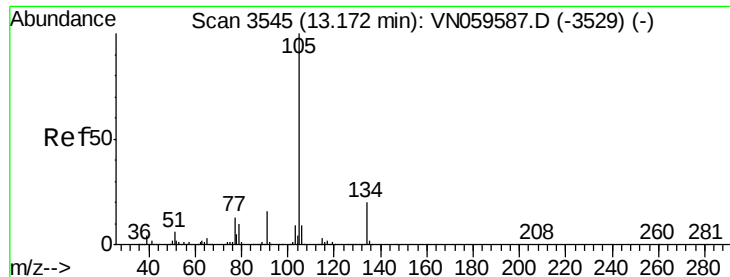
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#84
 1,2,4-Trimethylbenzene
 Concen: 3.871 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.9





#85

sec-Butylbenzene

Concen: 3.883 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 44088

Ion Ratio Lower Upper

105 100

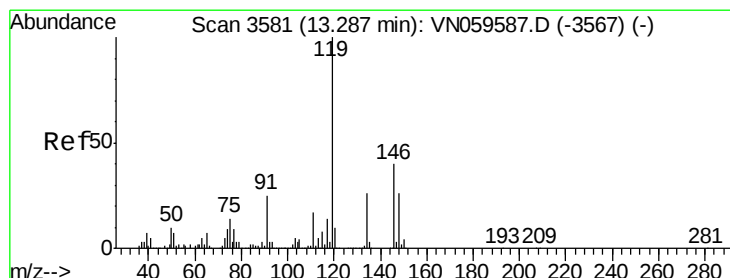
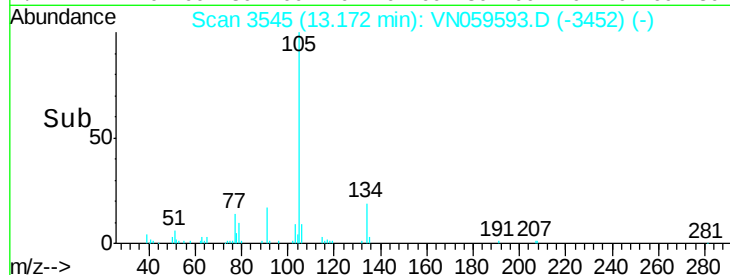
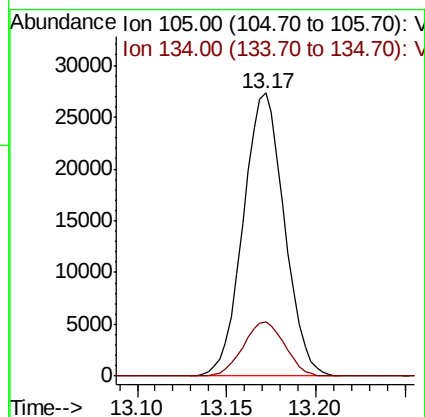
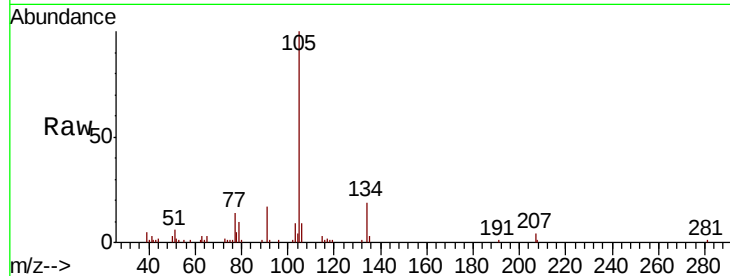
134 19.4 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 3.833 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

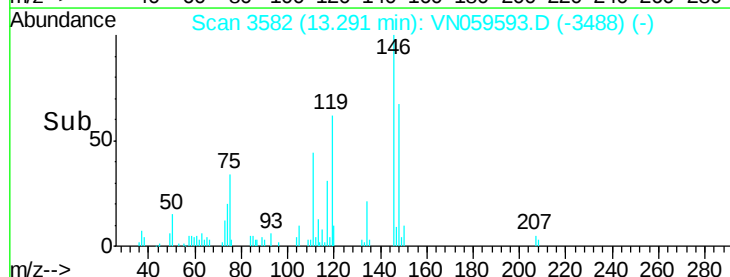
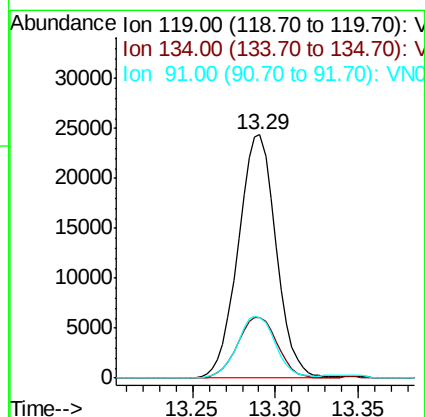
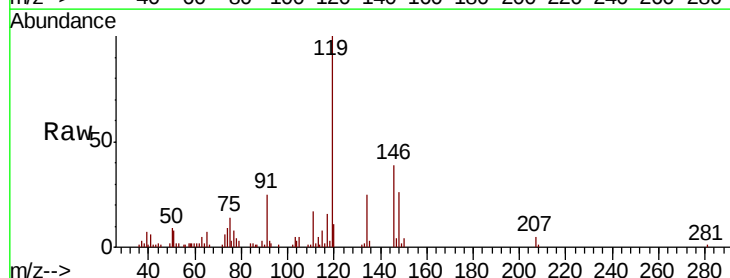
Tgt Ion:119 Resp: 38822

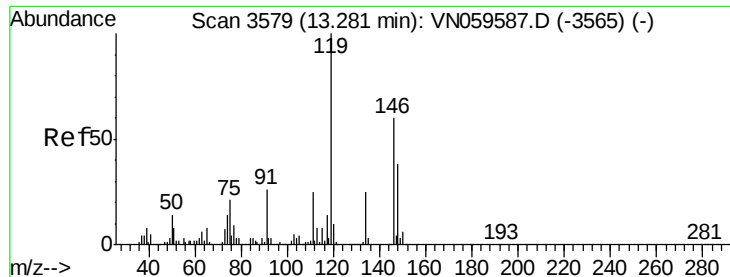
Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

91 25.8 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 4.013 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

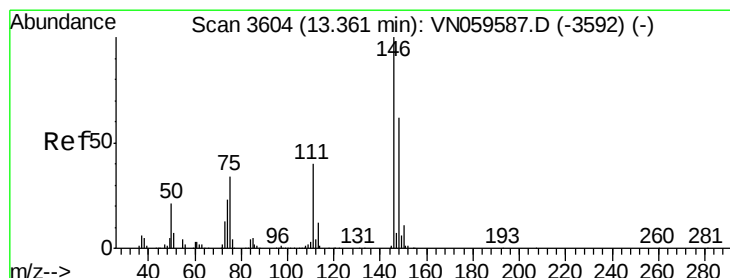
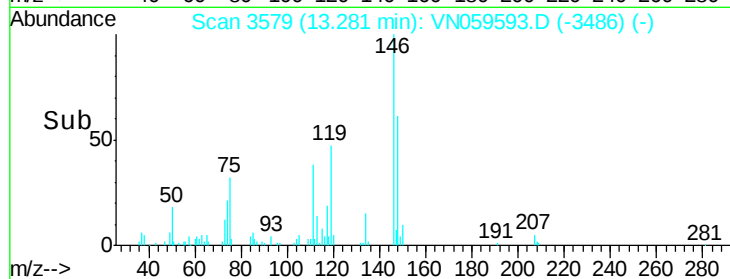
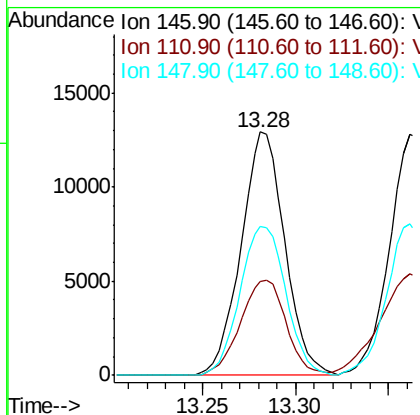
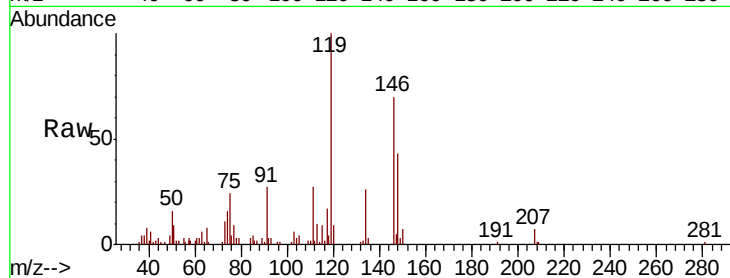
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	21223
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.8	62.2
148	64.2	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 4.184 ug/l

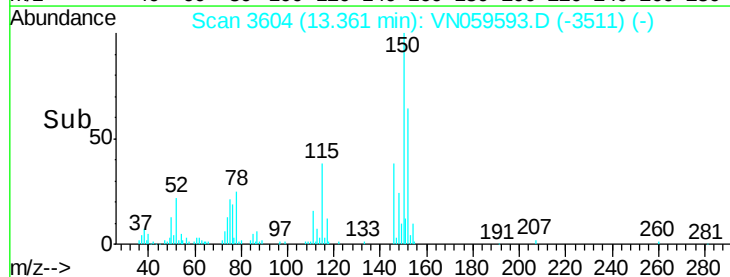
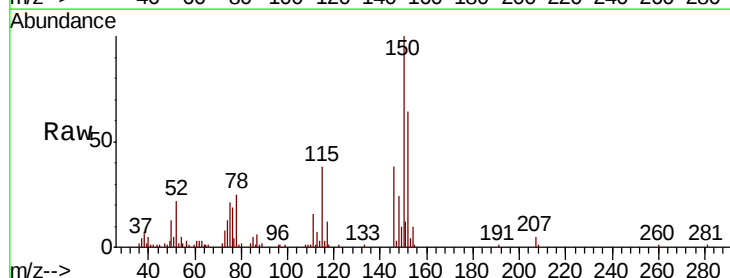
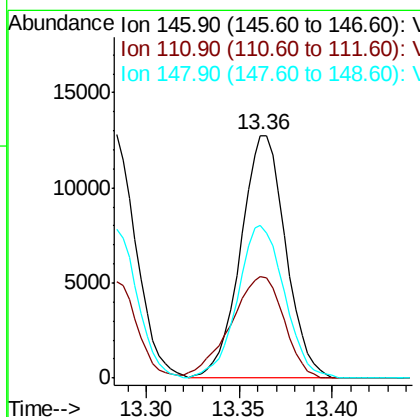
RT: 13.36 min Scan# 3604

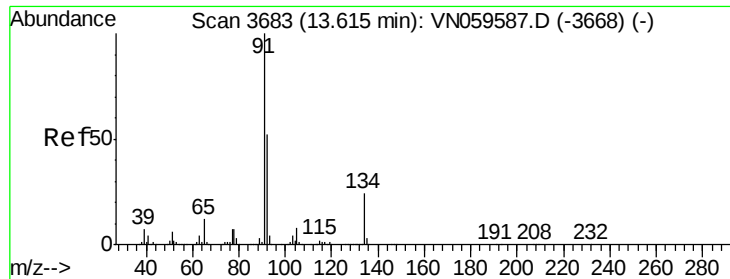
Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Tgt Ion:	146	Resp:	21620
Ion Ratio	Lower	Upper	
146	100		
111	49.6	20.8	62.2
148	65.3	31.8	95.4





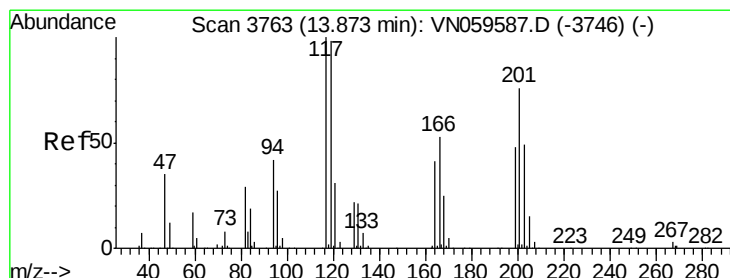
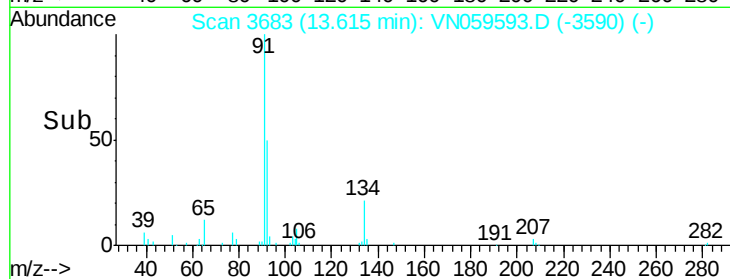
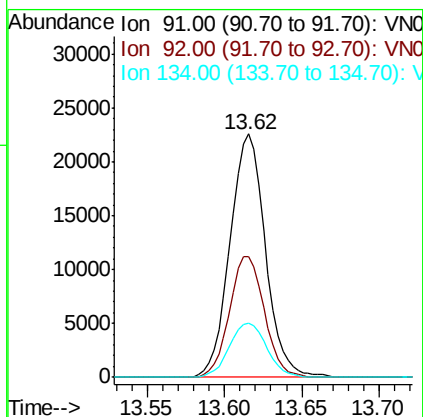
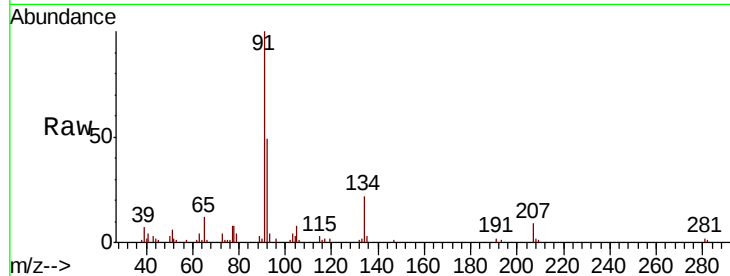
#89
n-Butylbenzene
Concen: 3.750 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.7	25.9	77.7
134	23.5	12.3	36.8

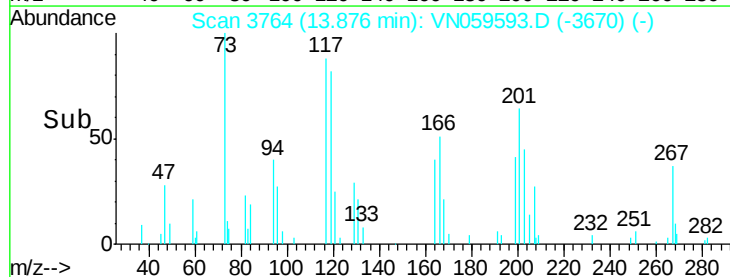
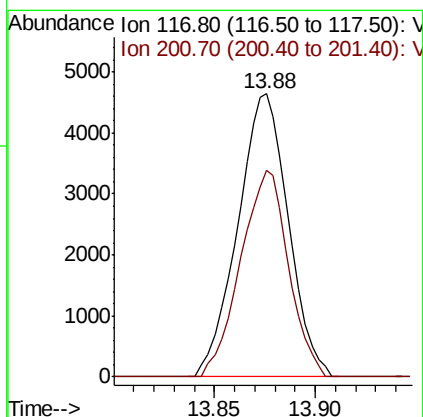
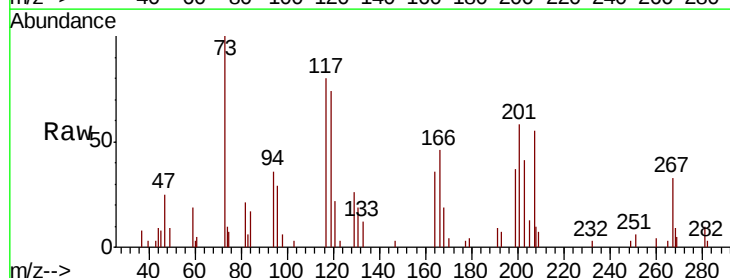
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#90
Hexachloroethane
Concen: 4.342 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.1	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 4.173 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Instrument :

MSVOA_N

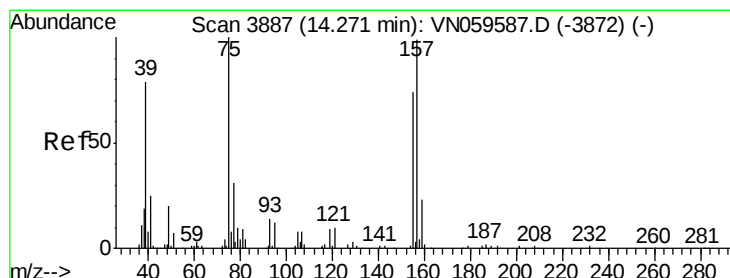
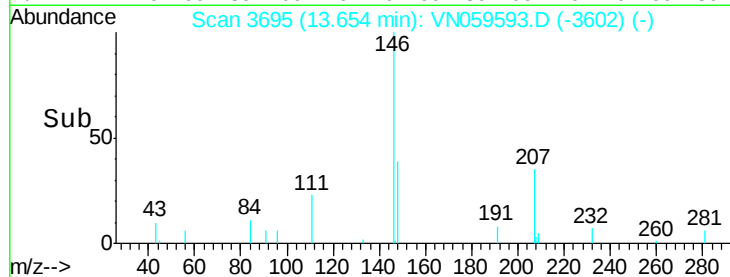
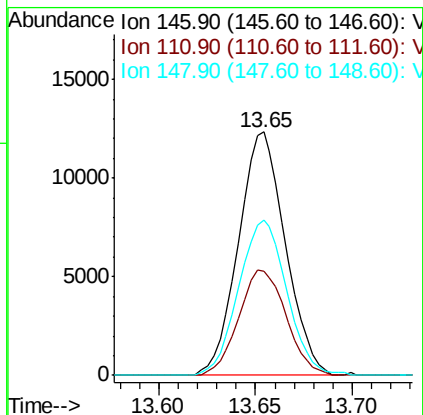
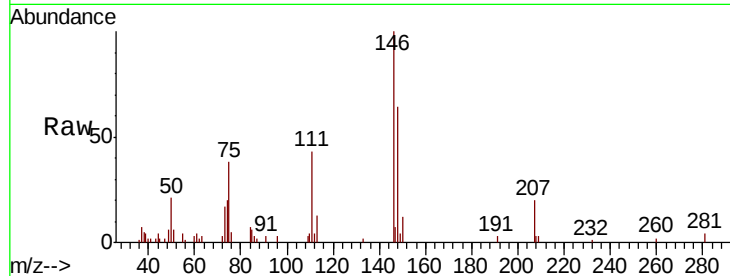
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	20790
Ion Ratio	Lower	Upper	
146	100		
111	43.7	21.6	64.8
148	65.5	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 4.291 ug/l

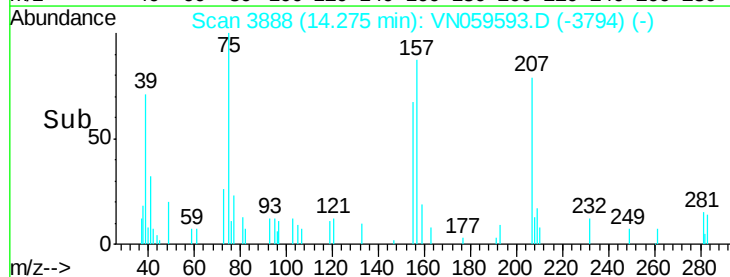
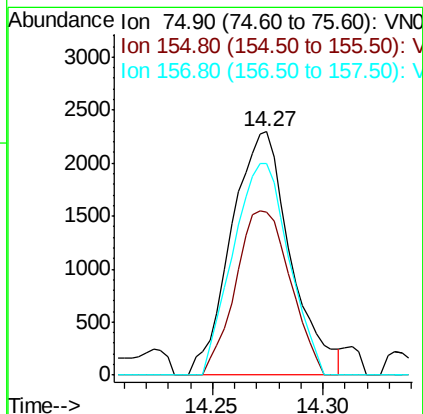
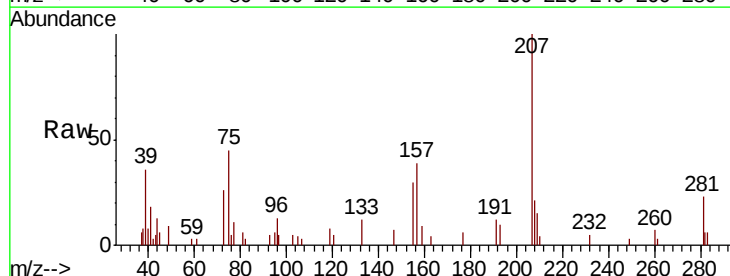
RT: 14.27 min Scan# 3888

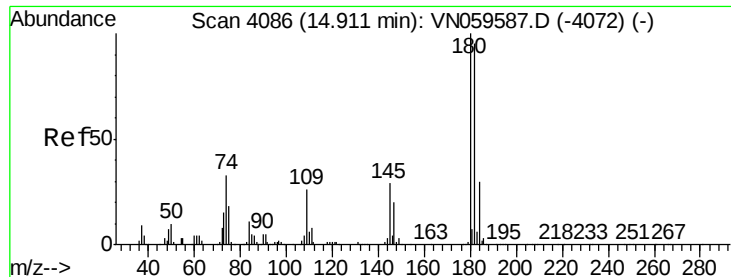
Delta R.T. 0.00 min

Lab File: VN059593.D

Acq: 13 Dec 2019 18:56

Tgt Ion:	75	Resp:	4272
Ion Ratio	Lower	Upper	
75	100		
155	62.5	37.0	110.9
157	82.1	48.4	145.2





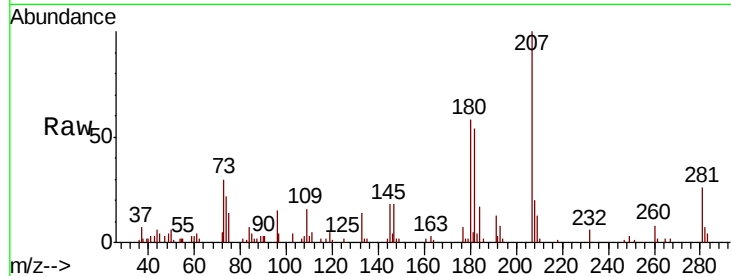
#93
 1,2,4-Trichlorobenzene
 Concen: 3.510 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	11894		
182	95.0	46.9	140.7	
145	30.8	15.0	45.1	

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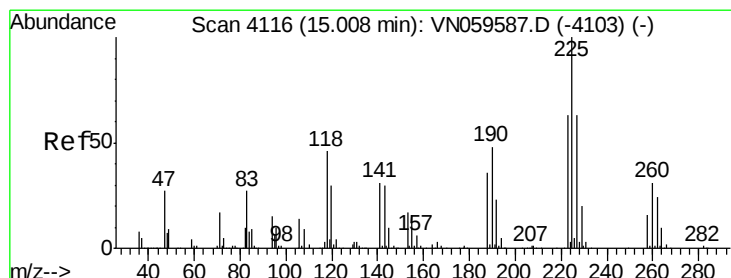
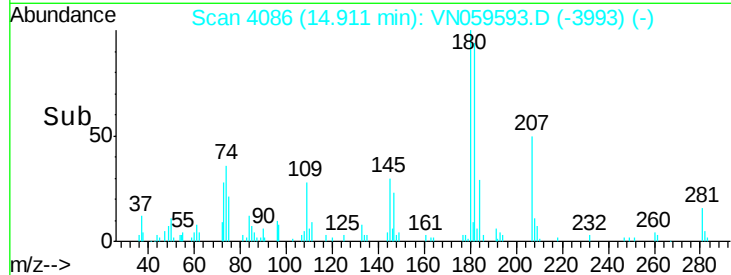
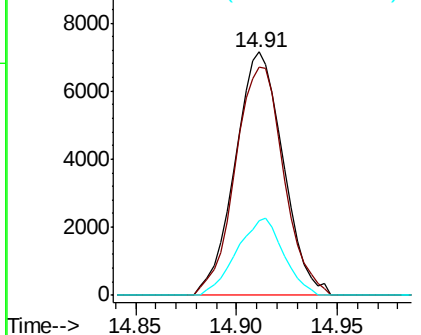


Abundance

Ion 179.80 (179.50 to 180.50): V

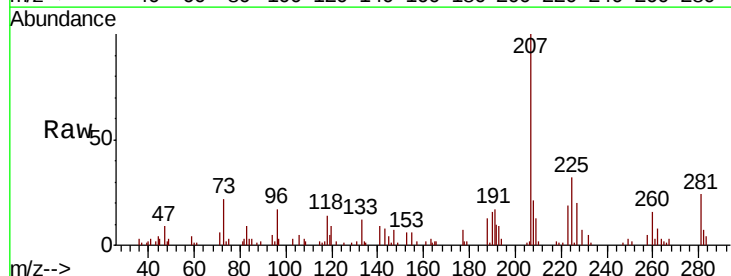
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 4.157 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059593.D
 Acq: 13 Dec 2019 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	7112		
223	64.9	31.8	95.3	
227	66.4	32.1	96.5	

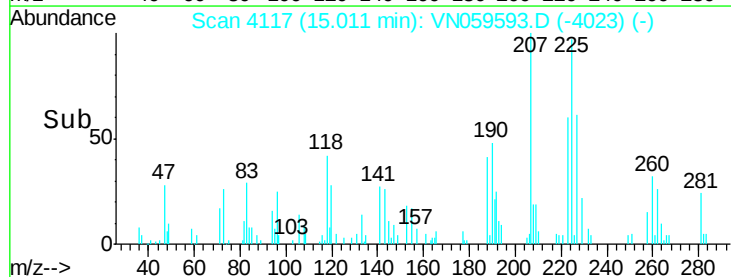
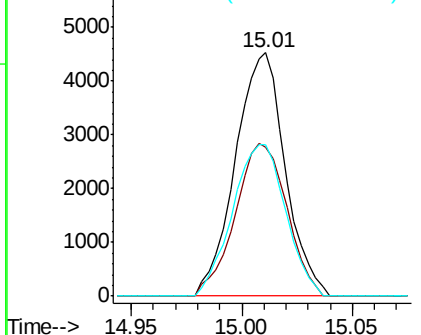


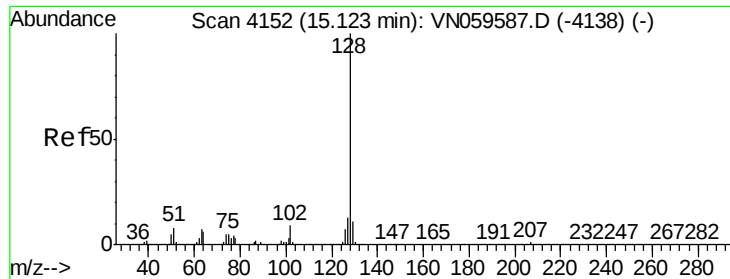
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





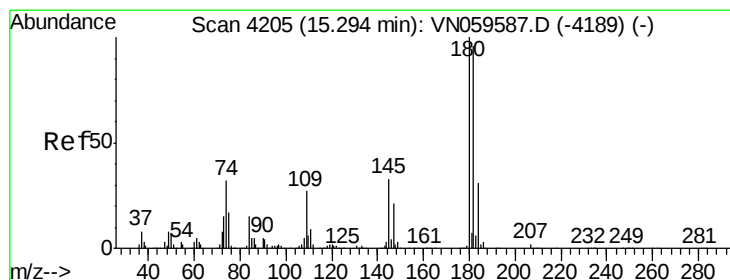
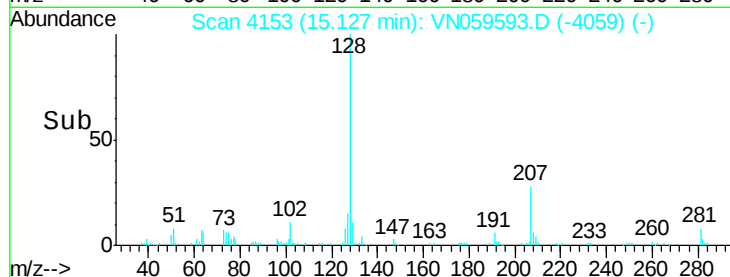
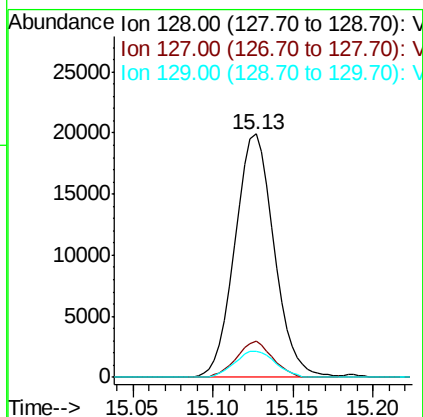
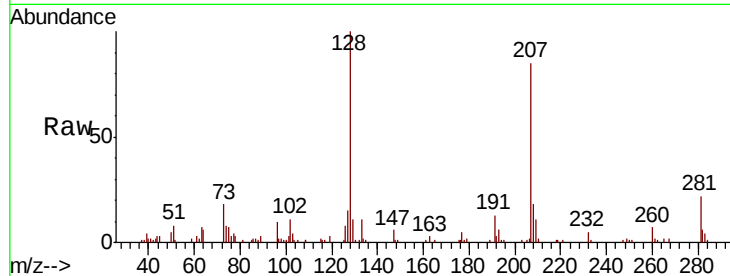
#95
Naphthalene
Concen: 3.332 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.0	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 3.583 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059593.D
Acq: 13 Dec 2019 18:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.4	142.3
145	34.9	16.3	48.9

