

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121919\
 Data File : VN059667.D
 Acq On : 19 Dec 2019 13:23
 Operator : JC/SP
 Sample : VN1219WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

Manual Integrations
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 12/20/2019 9:20:23 AM

Quant Time: Dec 20 03:16:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	236667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	381657	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	349279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	160292	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	166284	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
35) Dibromofluoromethane	7.57	113	114779	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	10.08	98	460169	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.40	95	161227	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	65530	21.428	ug/l	98
3) Chloromethane	2.04	50	71516	14.736	ug/l	99
4) Vinyl Chloride	2.17	62	89755	19.503	ug/l	97
5) Bromomethane	2.55	94	53178	19.876	ug/l	100
6) Chloroethane	2.68	64	53846	20.818	ug/l	93
7) Trichlorofluoromethane	3.00	101	82512	16.341	ug/l	98
8) Diethyl Ether	3.38	74	31039	19.673	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	48258	18.964	ug/l	99
10) Methyl Iodide	3.92	142	61203	18.168	ug/l	99
11) Tert butyl alcohol	4.74	59	58978	93.413	ug/l	99
12) 1,1-Dichloroethene	3.71	96	45498	18.329	ug/l	94
13) Acrolein	3.58	56	25765	57.288	ug/l	97
14) Allyl chloride	4.29	41	93771	18.401	ug/l	100
15) Acrylonitrile	4.95	53	148950	97.531	ug/l	99
16) Acetone	3.79	43	154857	75.738	ug/l	99
17) Carbon Disulfide	4.02	76	142440	17.263	ug/l	99
18) Methyl Acetate	4.29	43	81331	18.983	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	168115	19.181	ug/l	98
20) Methylene Chloride	4.52	84	57607	19.508	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	51466	18.598	ug/l	98
22) Diisopropyl ether	5.92	45	189035	20.122	ug/l	98
23) Vinyl Acetate	5.86	43	782863	106.185	ug/l	99
24) 1,1-Dichloroethane	5.82	63	105571	19.838	ug/l	98
25) 2-Butanone	6.80	43	218196	89.242	ug/l	99
26) 2,2-Dichloropropane	6.79	77	93405	19.312	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	60474	19.721	ug/l	99
28) Bromochloromethane	7.17	49	46839	21.218	ug/l	97
29) Tetrahydrofuran	7.18	42	142181	95.443	ug/l	99
30) Chloroform	7.35	83	103019	19.666	ug/l	97
31) Cyclohexane	7.63	56	96054	19.102	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	89488	18.949	ug/l	98
36) 1,1-Dichloropropene	7.77	75	77267	19.413	ug/l	100
37) Ethyl Acetate	6.90	43	91693	19.821	ug/l	98
38) Carbon Tetrachloride	7.75	117	79199	19.176	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	87197	19.314	ug/l	99
40) Benzene	8.02	78	226535	19.476	ug/l	99
41) Methacrylonitrile	7.14	41	29026m	15.204	ug/l	
42) 1,2-Dichloroethane	8.10	62	88720	19.917	ug/l	99
43) Isopropyl Acetate	8.14	43	140636	19.554	ug/l	99
44) Trichloroethene	8.82	130	58744	19.281	ug/l	99
45) 1,2-Dichloropropane	9.10	63	63170	20.112	ug/l	100
46) Dibromomethane	9.19	93	40521	19.692	ug/l	98
47) Bromodichloromethane	9.39	83	80313	19.576	ug/l	100
48) Methyl methacrylate	9.18	41	61125	18.732	ug/l	99
49) 1,4-Dioxane	9.18	88	19264	411.962	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	439261	102.437	ug/l	99
52) Toluene	10.14	92	138910	19.437	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	91995	19.388	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	97388	19.526	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	55303	19.720	ug/l	99
56) Ethyl methacrylate	10.42	69	79778	19.162	ug/l	99
57) 1,3-Dichloropropane	10.70	76	97607	19.990	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	151918	114.734	ug/l	100
59) 2-Hexanone	10.74	43	322861	95.532	ug/l	99
60) Dibromochloromethane	10.89	129	59772	19.528	ug/l	99
61) 1,2-Dibromoethane	11.00	107	55891	18.792	ug/l	99
64) Tetrachloroethene	10.62	164	58616	18.003	ug/l	98
65) Chlorobenzene	11.43	112	146185	19.343	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.50	131	55085	19.189	ug/l	98
67) Ethyl Benzene	11.50	91	264761	19.408	ug/l	99
68) m/p-Xylenes	11.62	106	192513	38.216	ug/l	99
69) o-Xylene	11.94	106	93459	19.498	ug/l	100
70) Styrene	11.96	104	144082	18.709	ug/l	99
71) Bromoform	12.12	173	48900	22.662	ug/l #	100
73) Isopropylbenzene	12.25	105	248903	19.781	ug/l	100
74) N-amyl acetate	12.07	43	126477	21.913	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	78781	19.737	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	82476m	20.785	ug/l	
77) Bromobenzene	12.52	156	59449	19.211	ug/l	99
78) n-propylbenzene	12.59	91	296444	19.930	ug/l	100
79) 2-Chlorotoluene	12.67	91	177054	19.686	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	210938	19.809	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	29531	18.381	ug/l	99
82) 4-Chlorotoluene	12.77	91	180918	19.646	ug/l	99
83) tert-Butylbenzene	12.99	119	178493	19.794	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	212131	20.035	ug/l	99
85) sec-Butylbenzene	13.17	105	238553	19.887	ug/l	99
86) p-Isopropyltoluene	13.29	119	213671	19.667	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	106895	18.786	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	105786	18.439	ug/l	100
89) n-Butylbenzene	13.61	91	189544	18.609	ug/l	99
90) Hexachloroethane	13.87	117	39710	19.337	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	104618	18.643	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19166	18.250	ug/l	91

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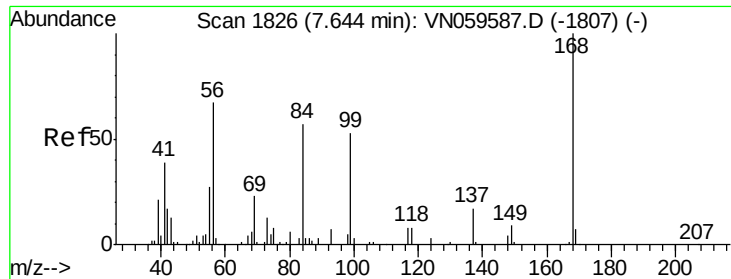
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	60206	16.615	ug/l	100
94) Hexachlorobutadiene	15.01	225	37327	20.015	ug/l	98
95) Naphthalene	15.12	128	172888	15.982	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	59987	16.367	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

Tot Ion:168 Resp: 236667

Ion Ratio Lower Upper

168 100

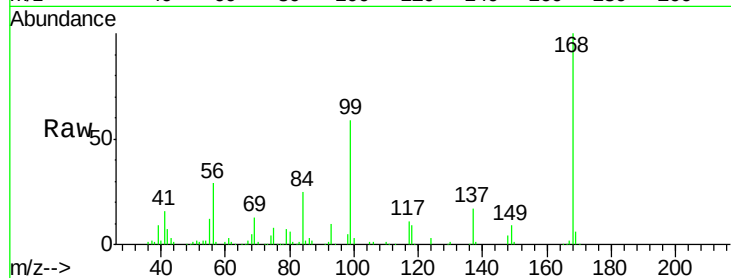
99 58.9 48.2 72.4

Manual Integrations

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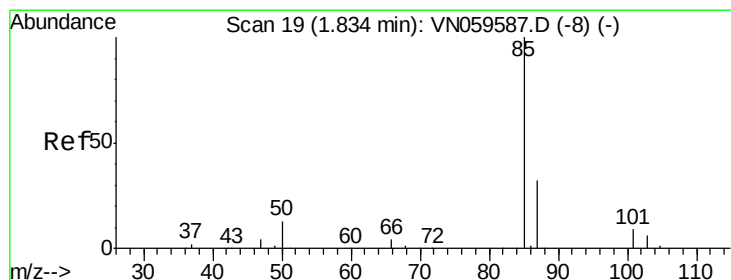
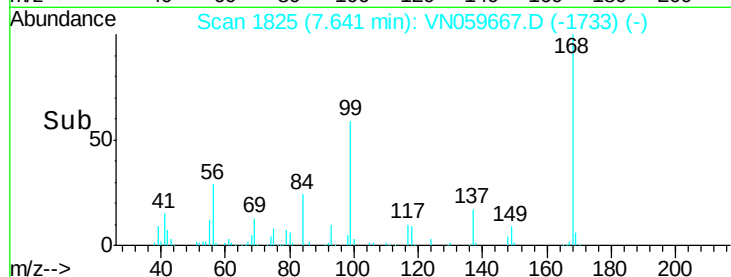
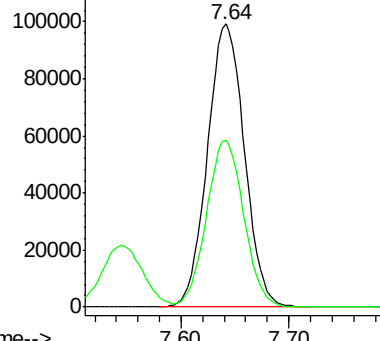
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 21.428 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059667.D

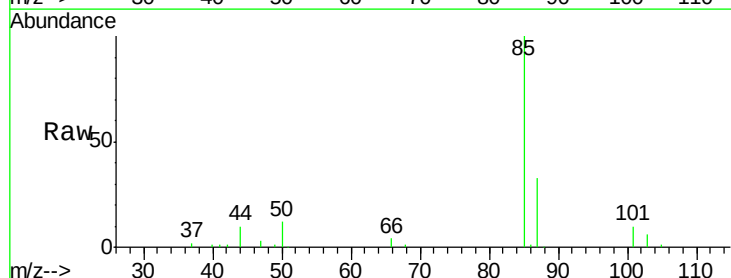
Acq: 19 Dec 2019 13:23

Tgt Ion: 85 Resp: 65530

Ion Ratio Lower Upper

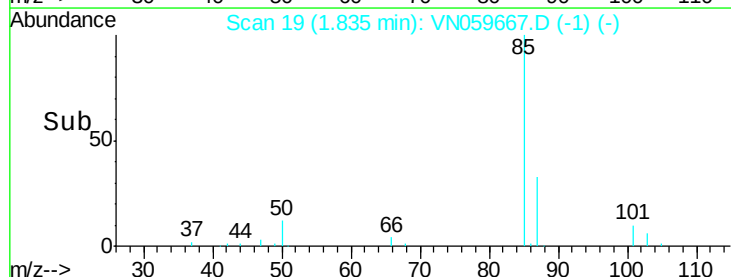
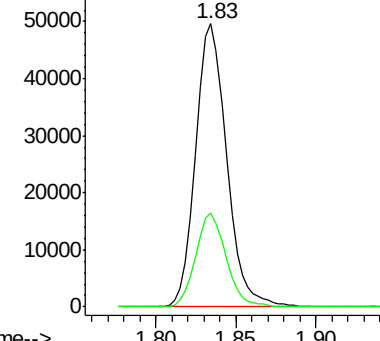
85 100

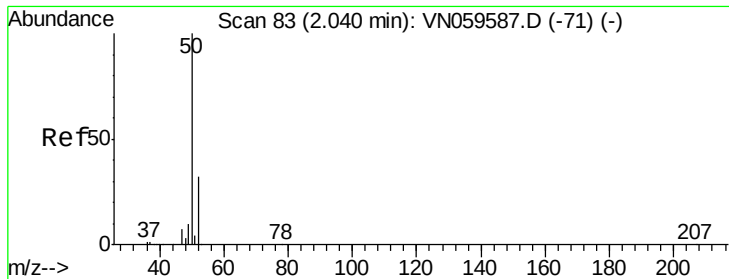
87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 14.736 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

Tot Ion: 50 Resp: 71516

Ion Ratio Lower Upper

50 100

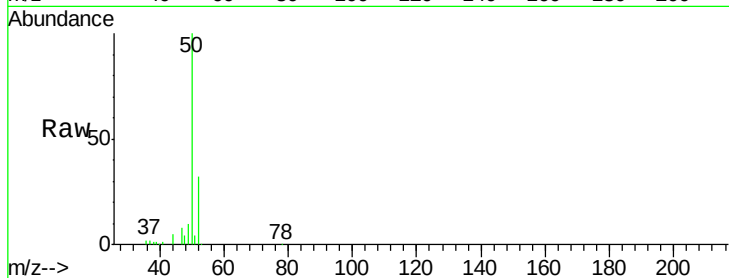
52 31.7 25.9 38.9

Manual Integrations

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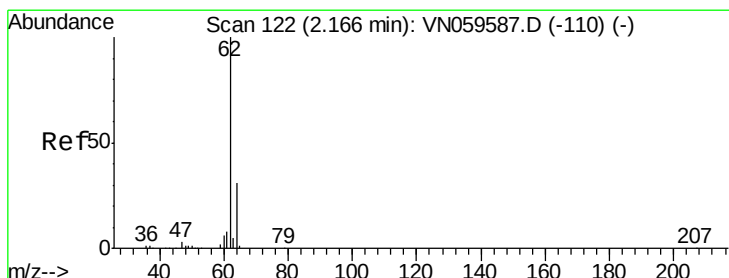
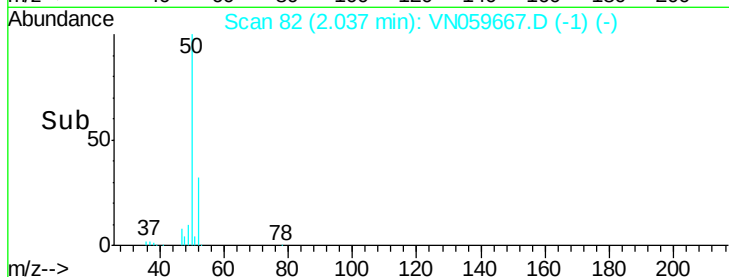
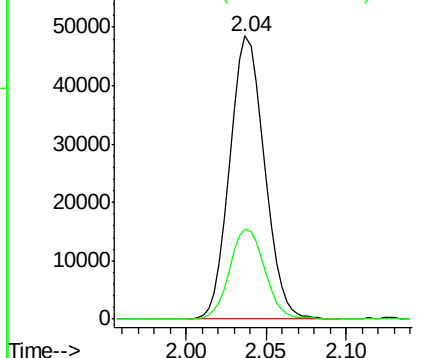
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.503 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059667.D

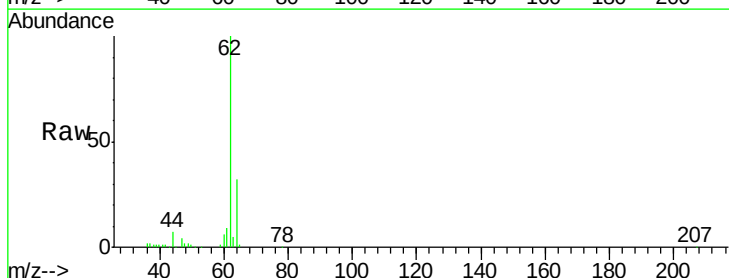
Acq: 19 Dec 2019 13:23

Tgt Ion: 62 Resp: 89755

Ion Ratio Lower Upper

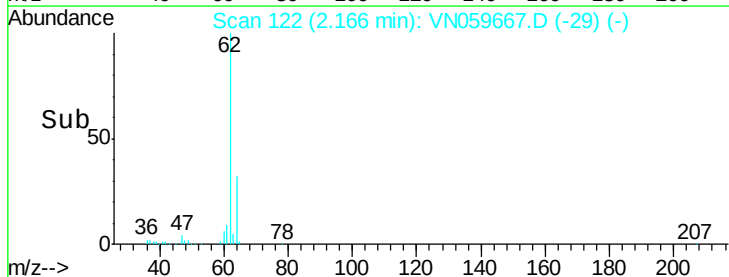
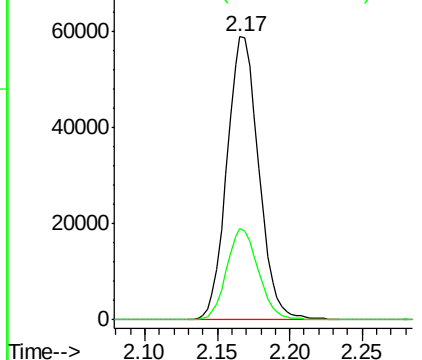
62 100

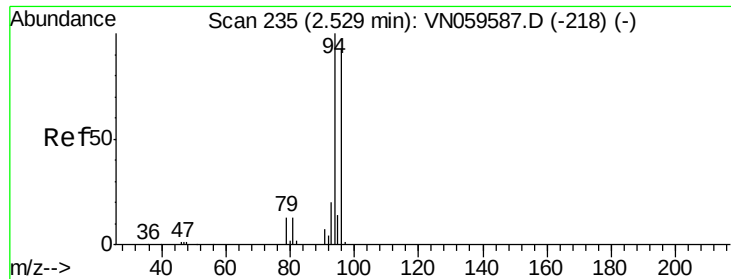
64 32.3 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.876 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

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Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

Tot Ion: 94 Resp: 53178

Ion Ratio Lower Upper

94 100

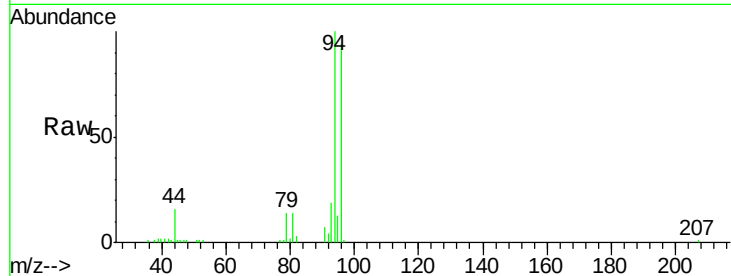
96 93.8 74.7 112.1

Manual Integrations

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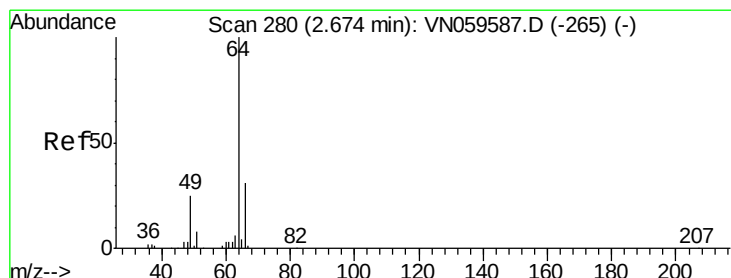
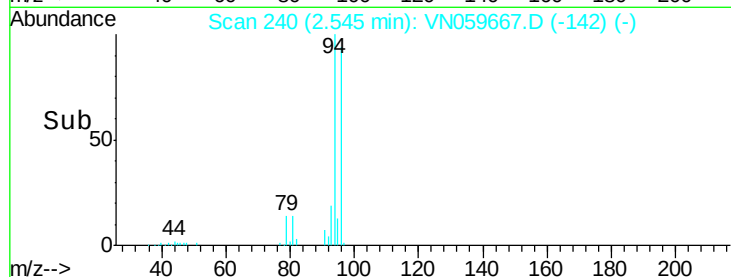
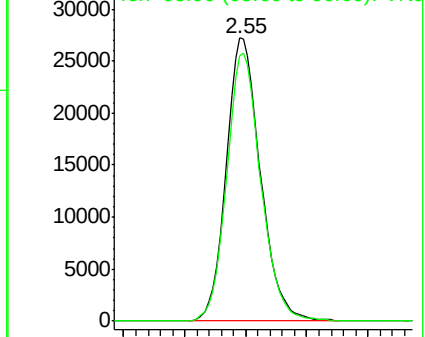
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.818 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059667.D

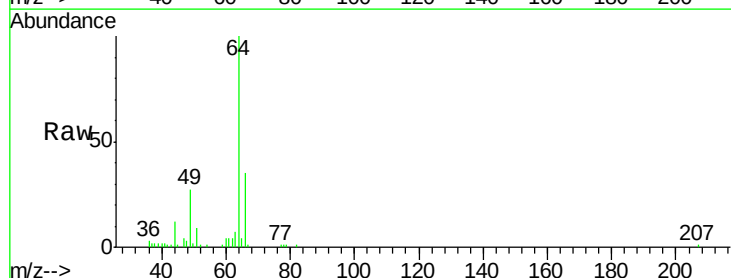
Acq: 19 Dec 2019 13:23

Tgt Ion: 64 Resp: 53846

Ion Ratio Lower Upper

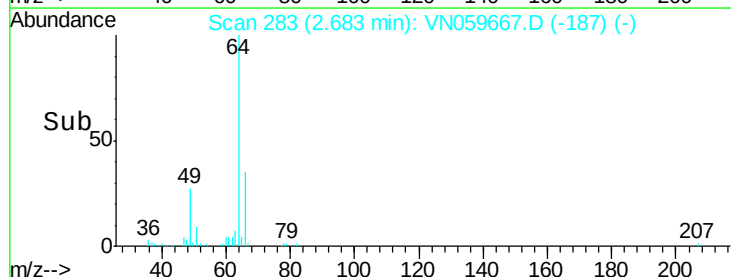
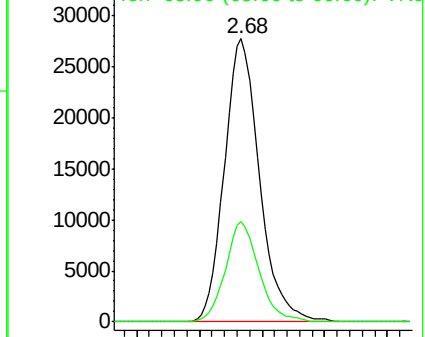
64 100

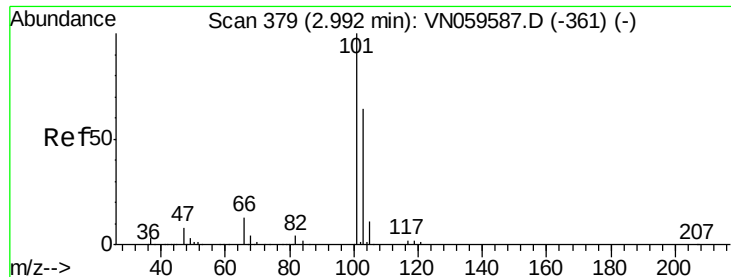
66 35.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

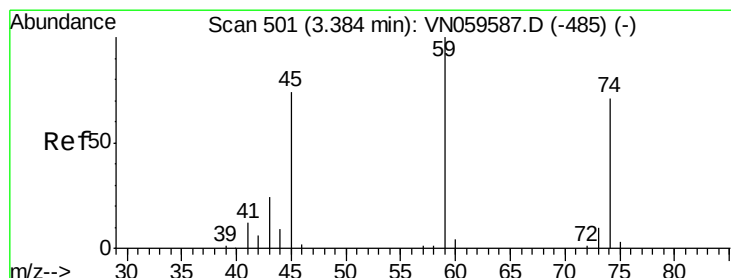
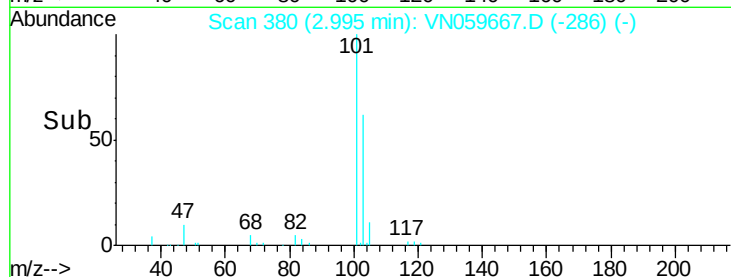
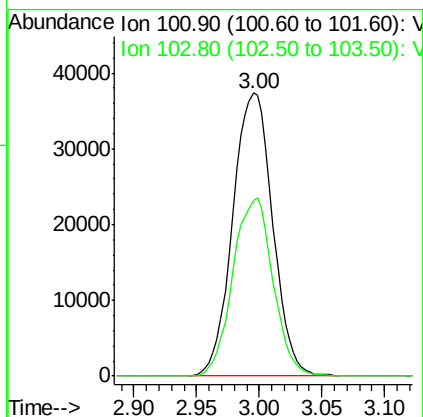
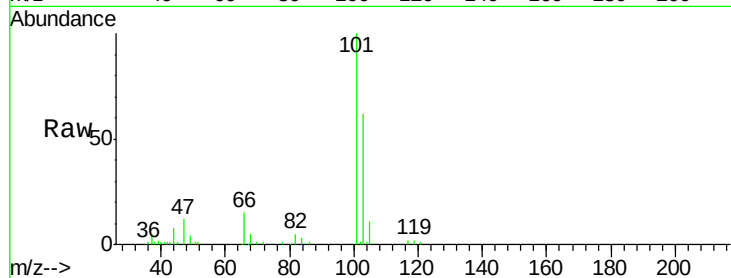
Trichlorofluoromethane
Concen: 16.341 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	51.0	76.6

Manual Integrations
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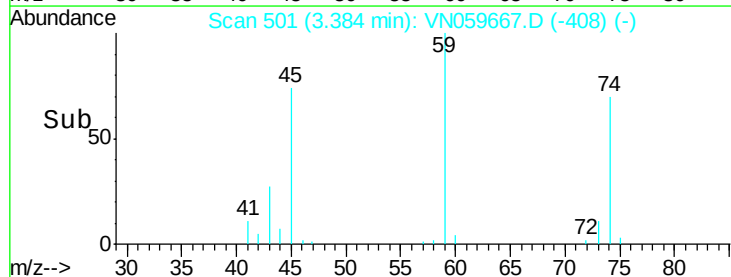
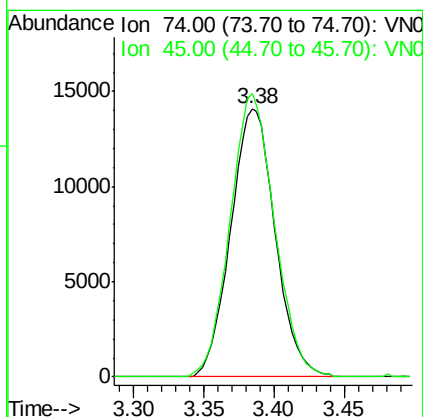
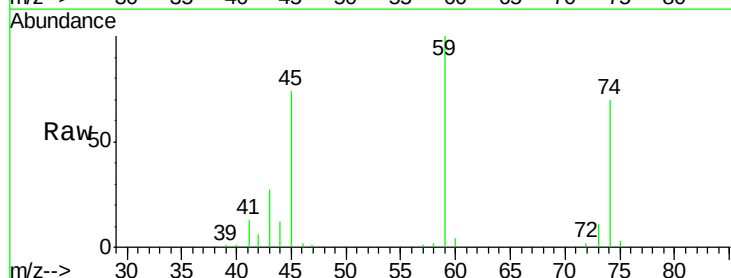
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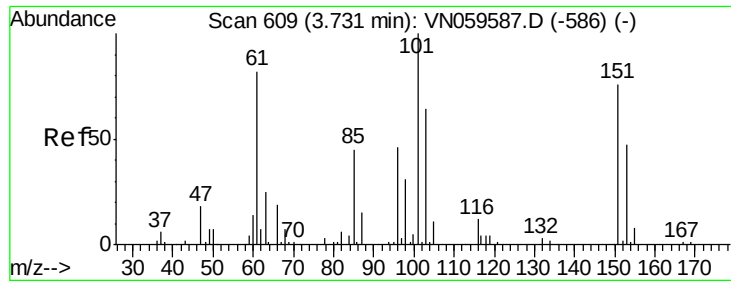


#8

Diethyl Ether
Concen: 19.673 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.7	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.964 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

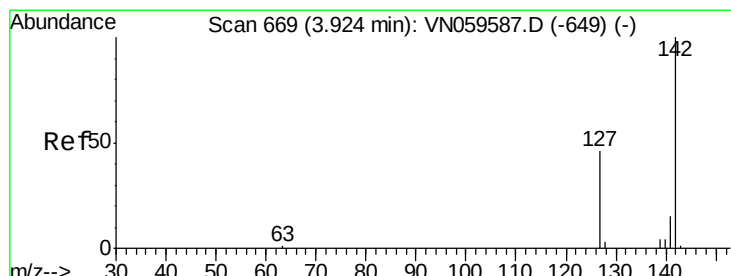
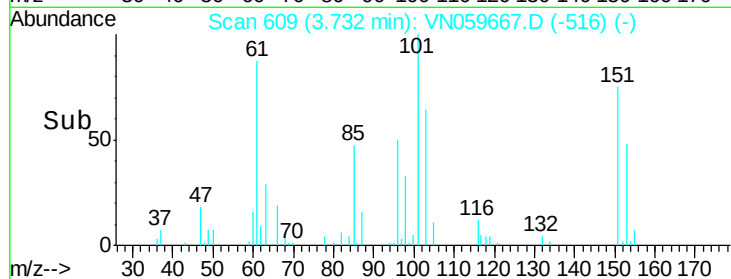
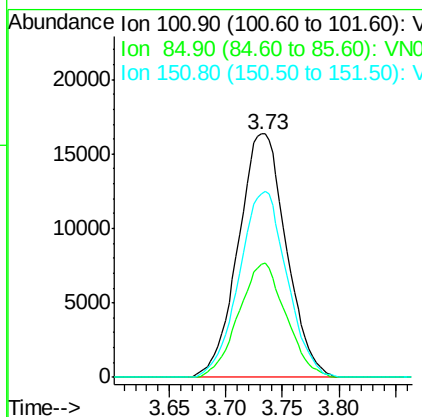
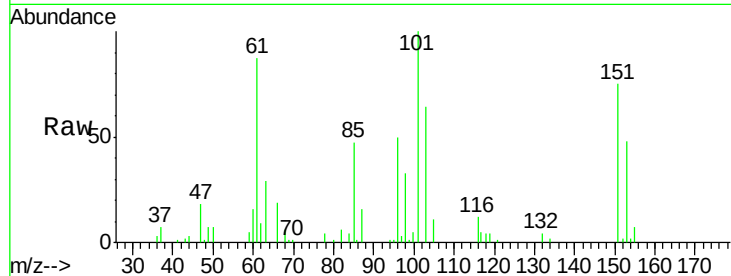
ClientSampleId :

VN1219WBS01

Tot Ion:	101	Resp:	48258
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.6	54.8
151	76.1	59.7	89.5

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#10

Methyl Iodide

Concen: 18.168 ug/l

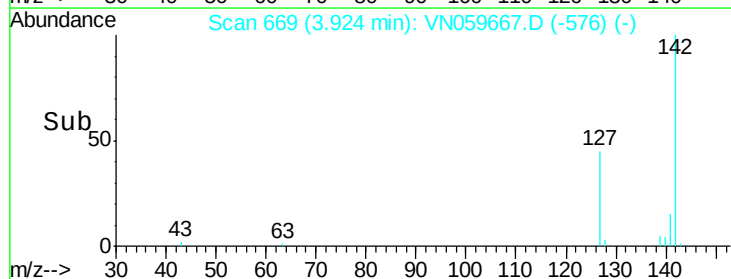
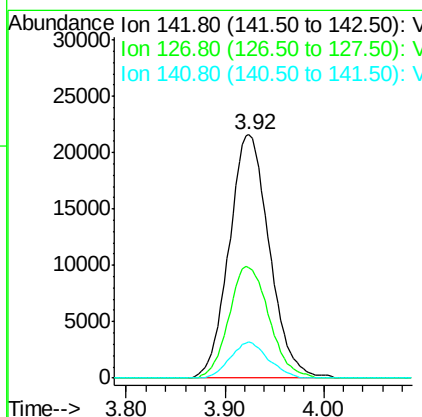
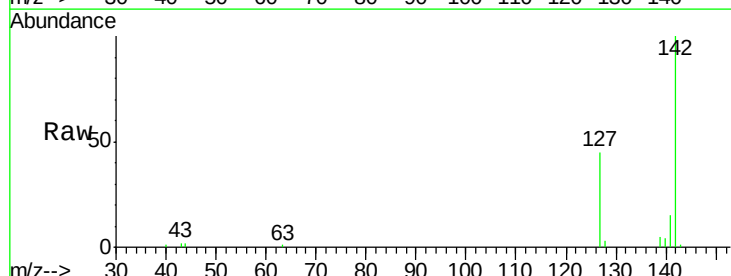
RT: 3.92 min Scan# 669

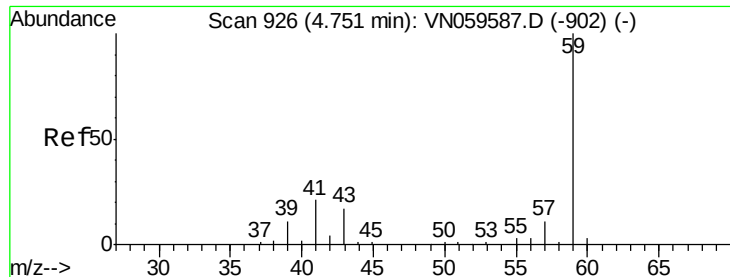
Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Tgt Ion:	142	Resp:	61203
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.7	55.1
141	14.0	11.7	17.5





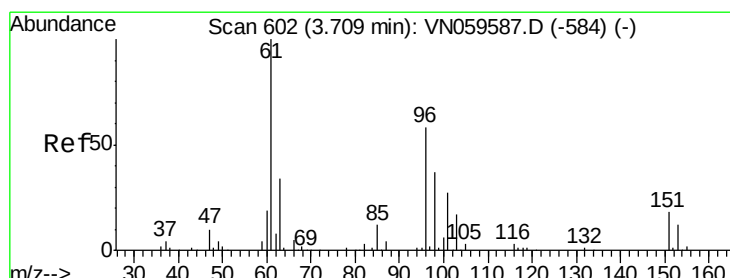
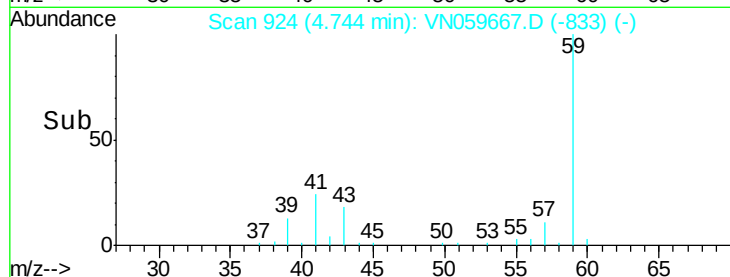
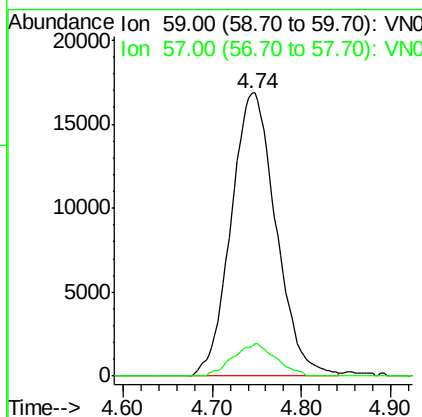
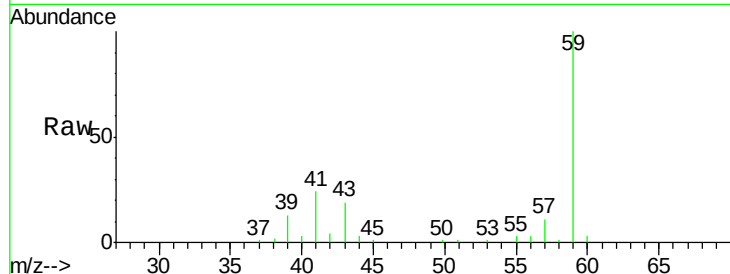
#11
Tert butyl alcohol
Concen: 93.413 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.01 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.6	12.8

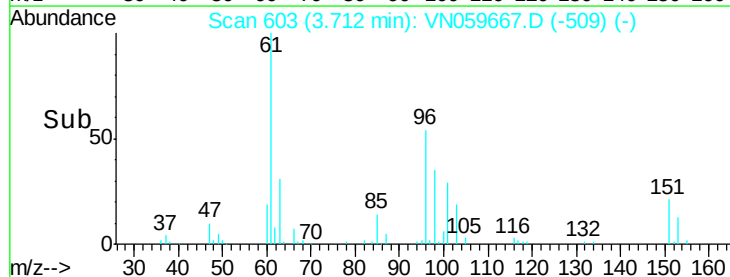
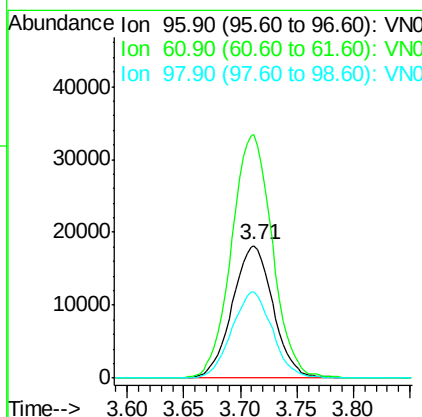
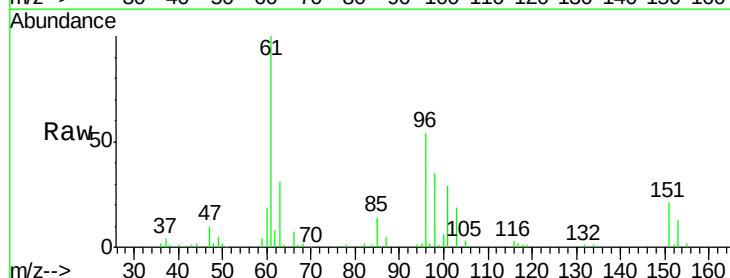
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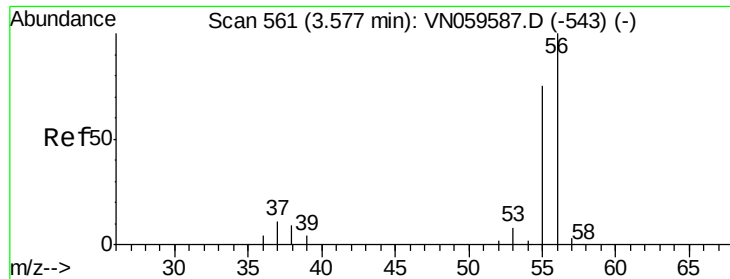
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#12
1,1-Dichloroethene
Concen: 18.329 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.8	137.5	206.3
98	64.7	50.2	75.4





#13

Acrolein

Concen: 57.288 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

Tot Ion: 56 Resp: 25765

Ion Ratio Lower Upper

56 100

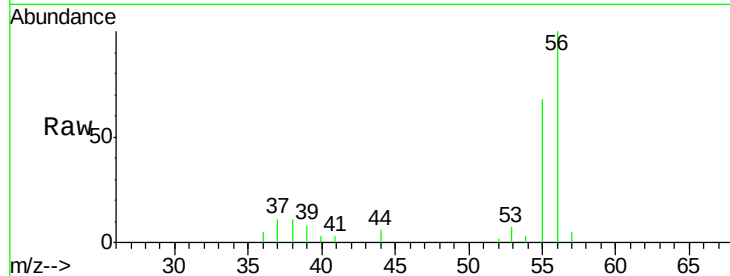
55 70.6 58.6 88.0

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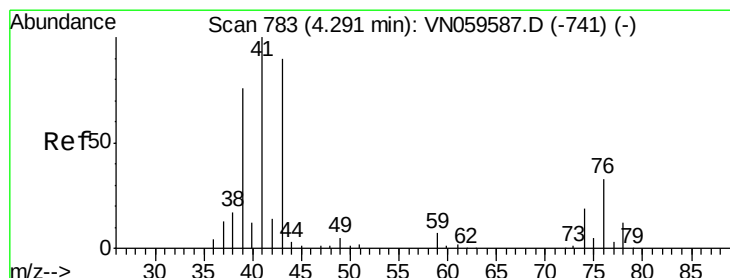
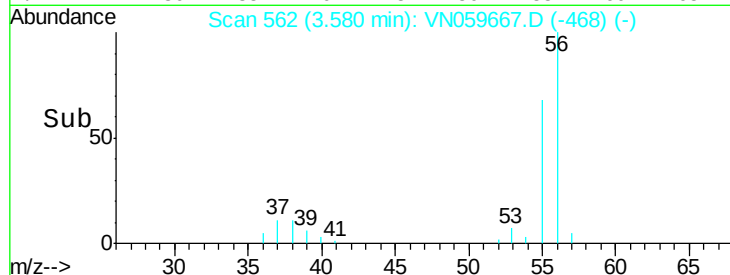


Abundance Ion 56.00 (55.70 to 56.70): VN059587.D (-543) (-)

Ion 55.00 (54.70 to 55.70): VN059587.D (-543) (-)

3.58

Time-->



#14

Allyl chloride

Concen: 18.401 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

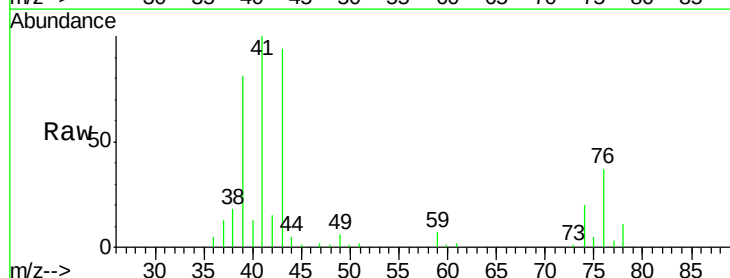
Tgt Ion: 41 Resp: 93771

Ion Ratio Lower Upper

41 100

39 72.4 57.8 86.8

76 31.9 25.4 38.0



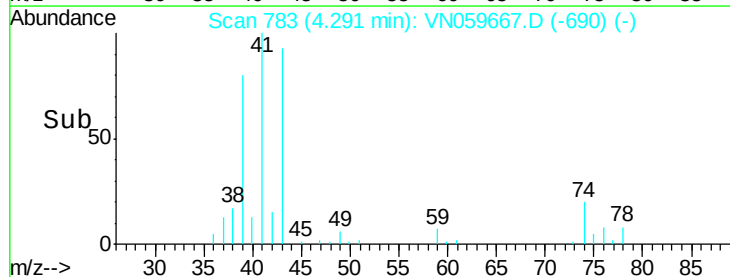
Abundance Ion 41.00 (40.70 to 41.70): VN059587.D (-741) (-)

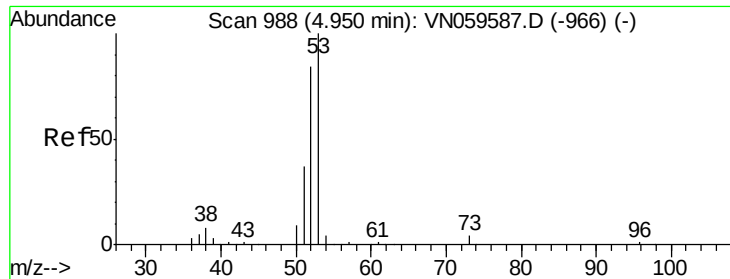
Ion 39.00 (38.70 to 39.70): VN059587.D (-741) (-)

Ion 75.90 (75.60 to 76.60): VN059587.D (-741) (-)

4.29

Time-->





#15

Acrylonitrile

Concen: 97.531 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

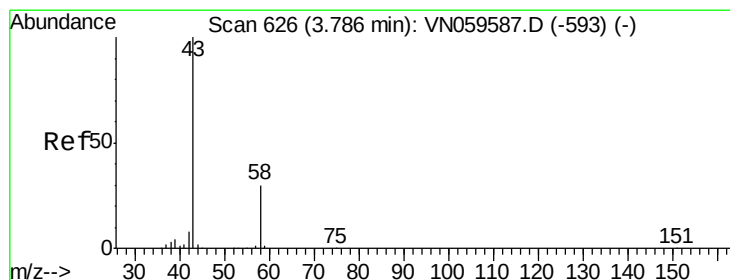
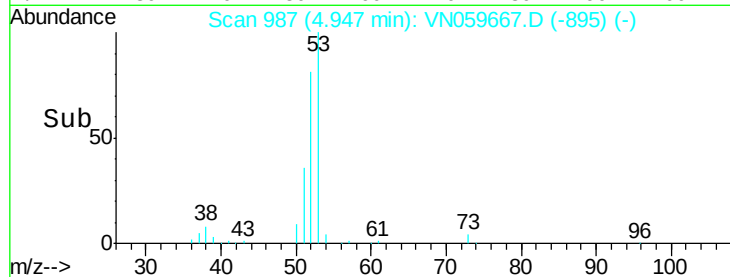
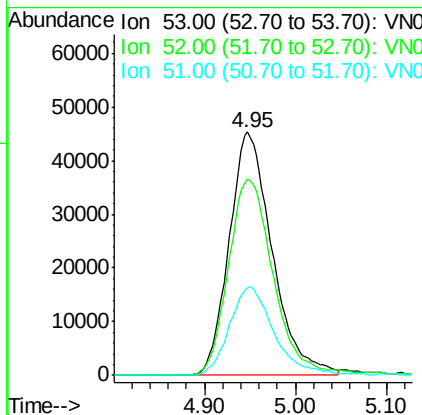
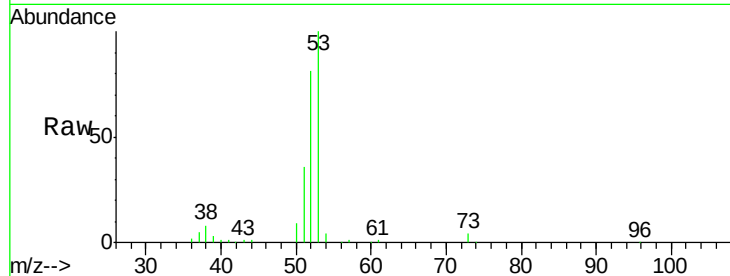
ClientSampleId :

VN1219WBS01

Tot Ion:	53	Resp:	148950
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.3	99.5
51	37.4	29.7	44.5

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#16

Acetone

Concen: 75.738 ug/l

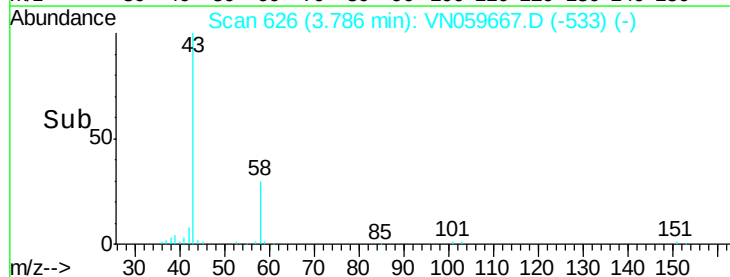
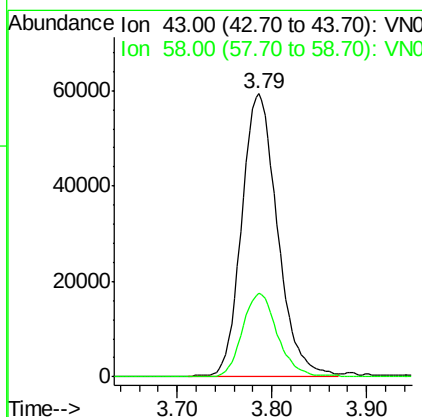
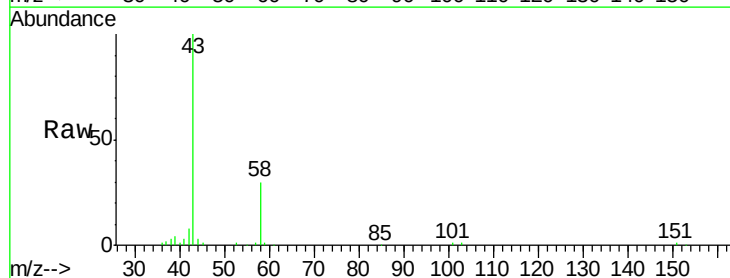
RT: 3.79 min Scan# 626

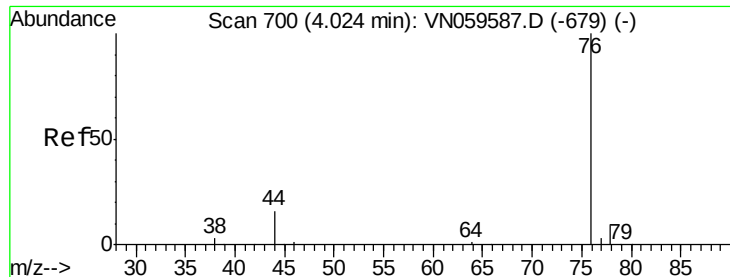
Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Tgt Ion:	43	Resp:	154857
Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.6	35.4





#17

Carbon Disulfide

Concen: 17.263 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

Tot Ion: 76 Resp: 142440

Ion Ratio Lower Upper

76 100

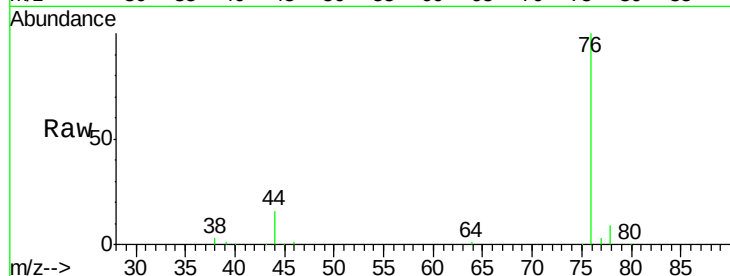
78 8.9 7.4 11.0

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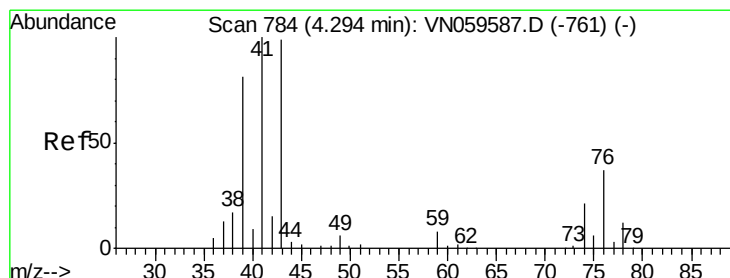
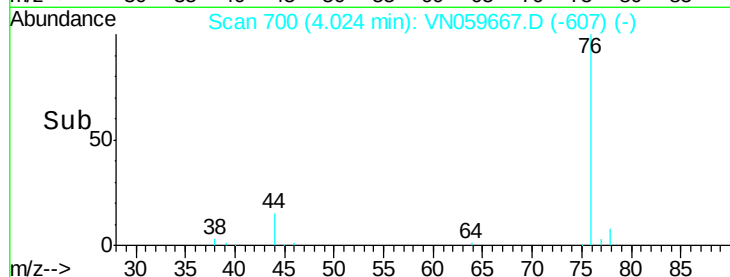
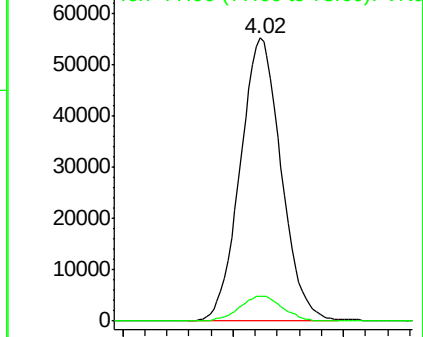
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 18.983 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059667.D

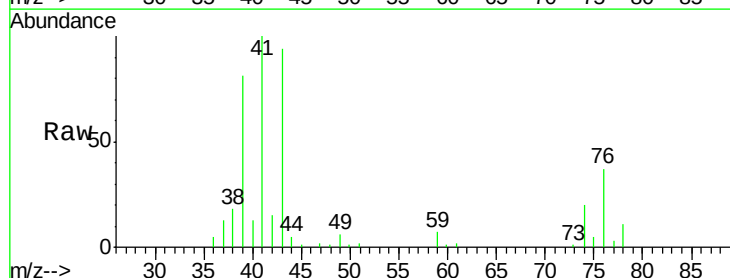
Acq: 19 Dec 2019 13:23

Tgt Ion: 43 Resp: 81331

Ion Ratio Lower Upper

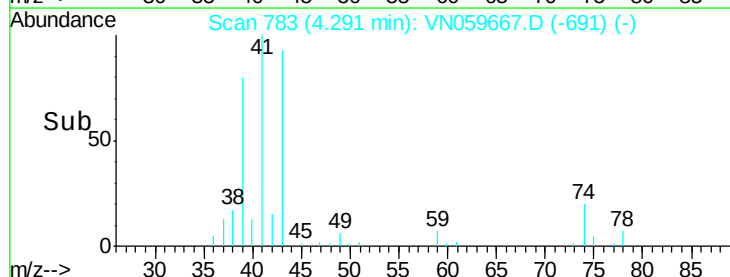
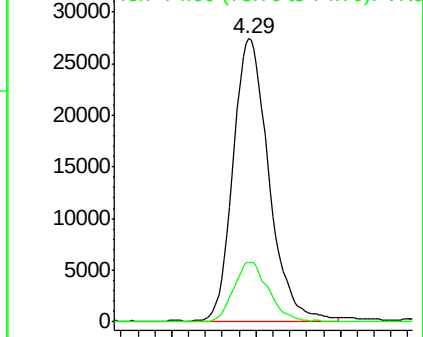
43 100

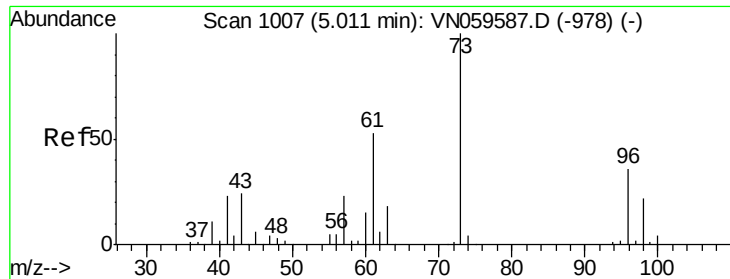
74 20.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





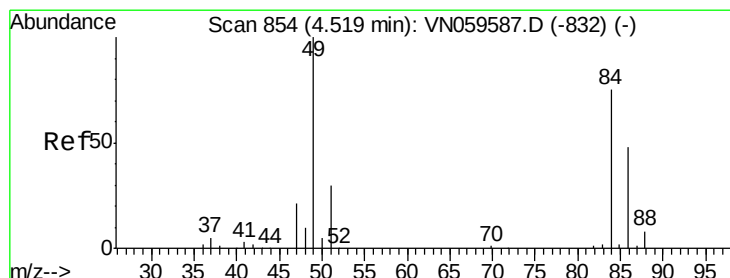
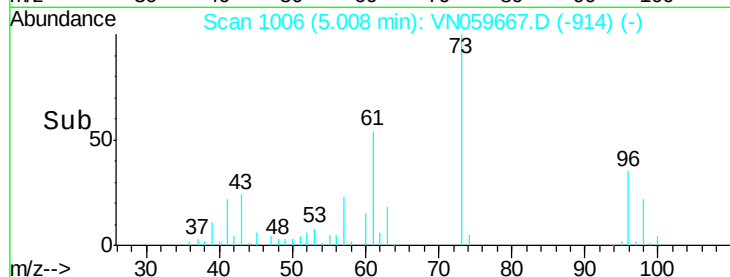
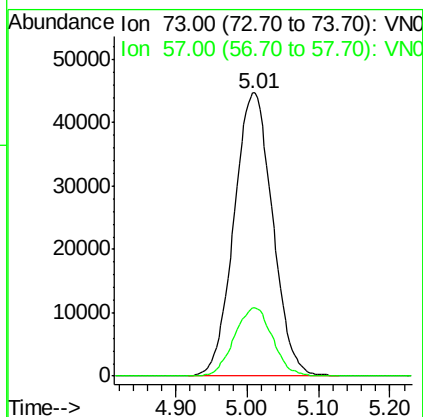
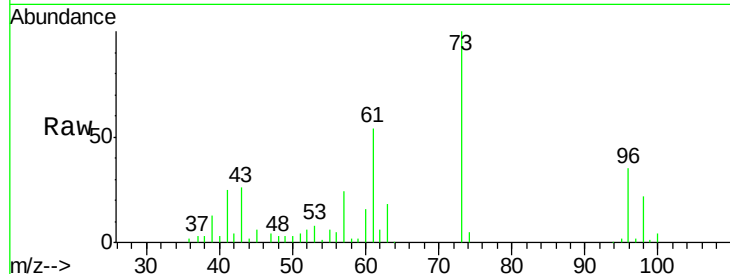
#19
Methyl tert-butyl Ether
Concen: 19.181 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

Tot Ion: 73 Resp: 168115
Ion Ratio Lower Upper
73 100
57 24.0 18.6 27.8

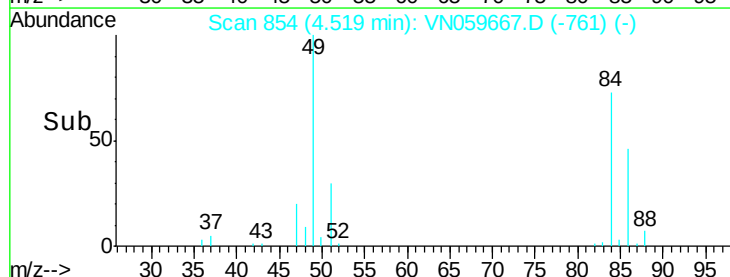
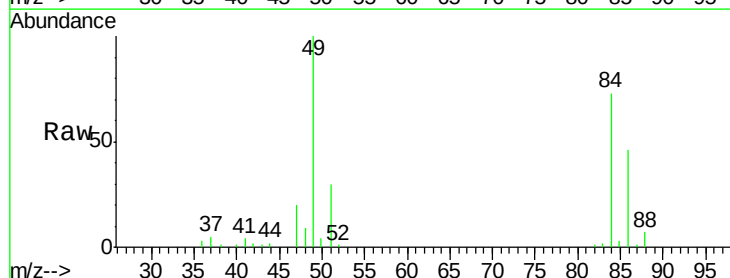
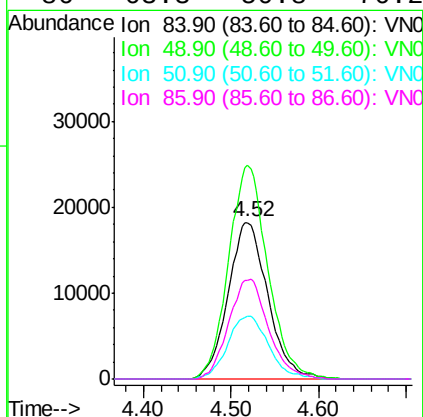
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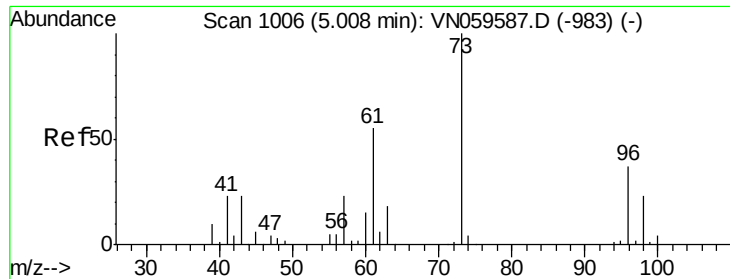
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#20
Methylene Chloride
Concen: 19.508 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion: 84 Resp: 57607
Ion Ratio Lower Upper
84 100
49 136.6 106.6 160.0
51 40.5 31.9 47.9
86 63.3 50.8 76.2





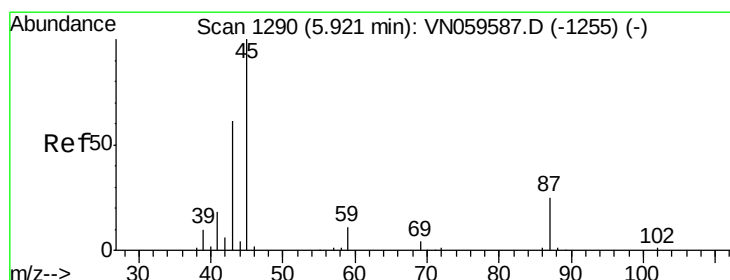
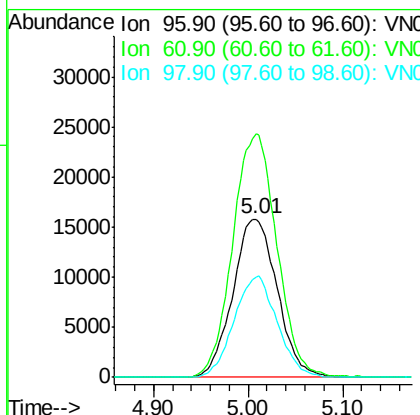
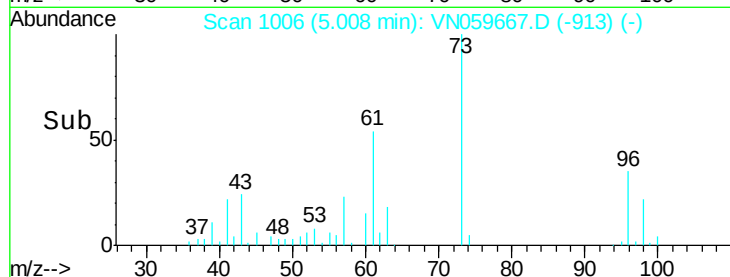
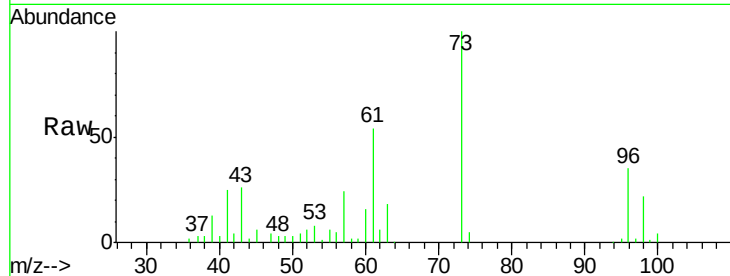
#21
trans-1,2-Dichloroethene
Concen: 18.598 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.9	120.4	180.6
98	63.1	50.6	75.8

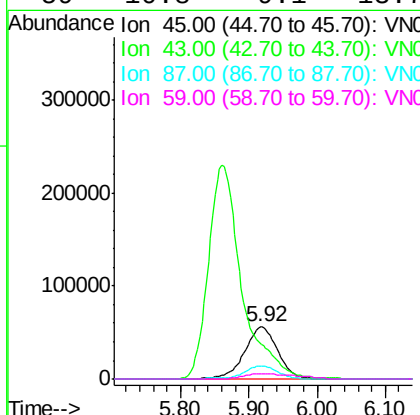
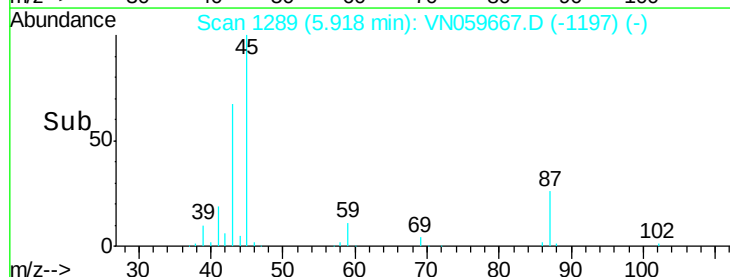
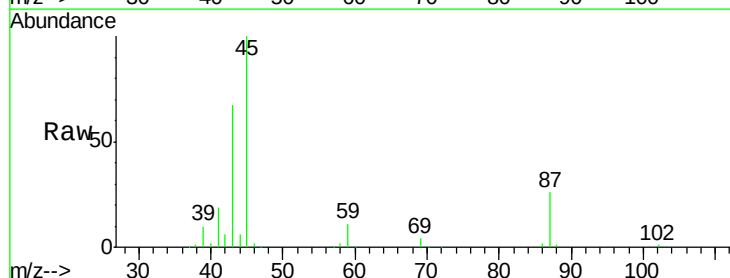
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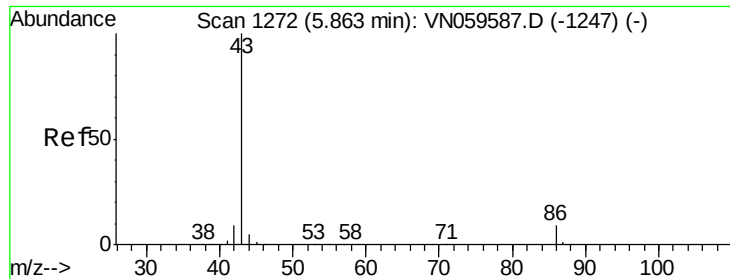
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#22
Diisopropyl ether
Concen: 20.122 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.7	50.8	76.2
87	25.6	21.0	31.6
59	10.8	9.1	13.7





#23

Vinyl Acetate

Concen: 106.185 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

Tot Ion: 43 Resp: 782863

Ion Ratio Lower Upper

43 100

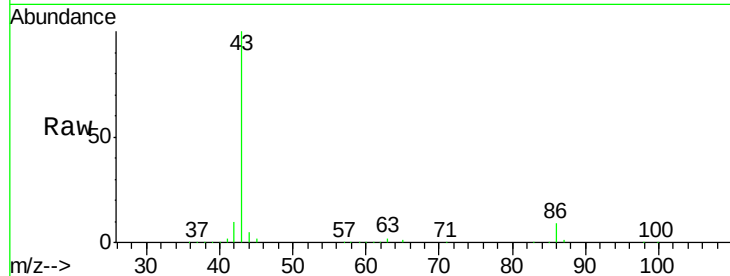
86 9.1 7.6 11.4

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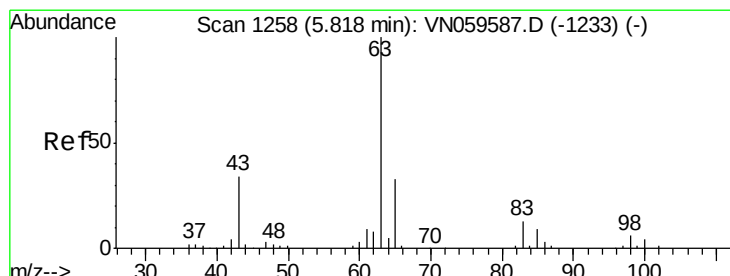
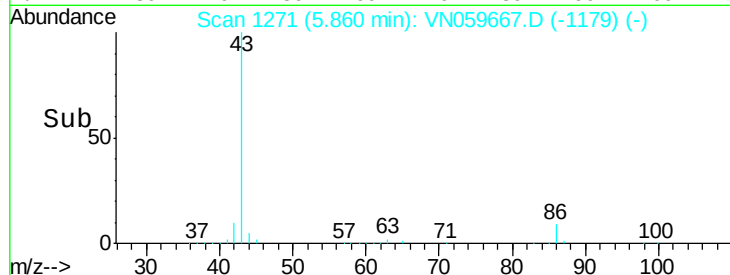
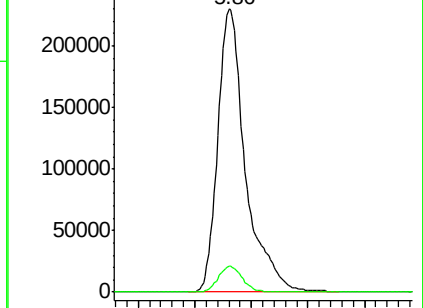
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.838 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

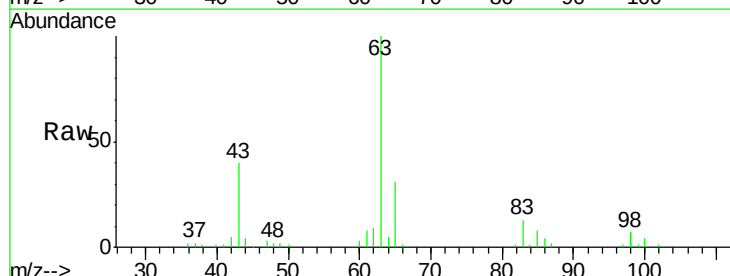
Tgt Ion: 63 Resp: 105571

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.7

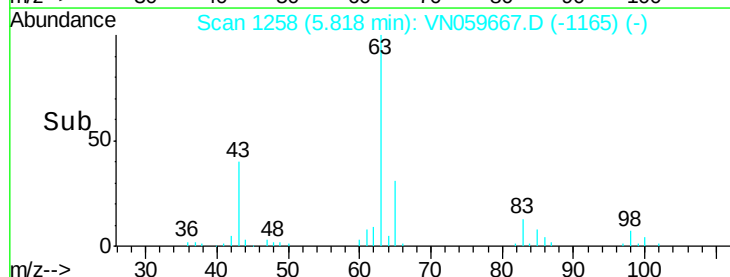
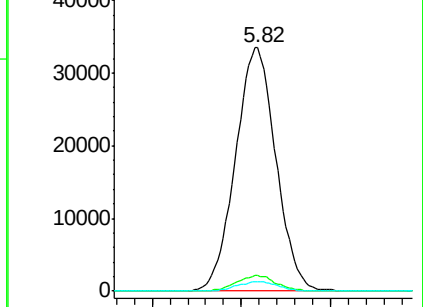
100 3.8 2.0 6.0

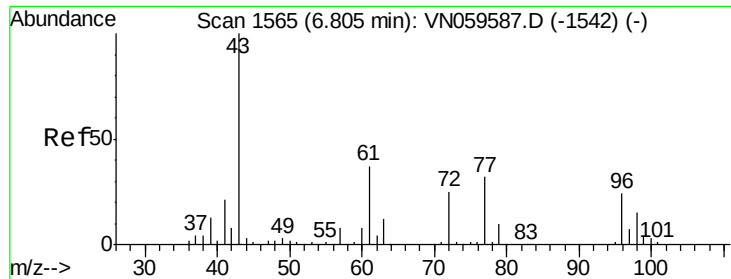


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 89.242 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

Tot Ion: 43 Resp: 218196

Ion Ratio Lower Upper

43 100

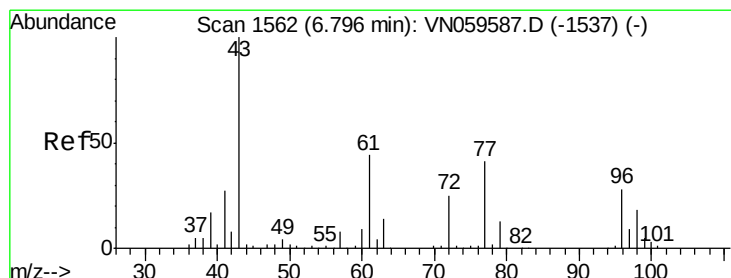
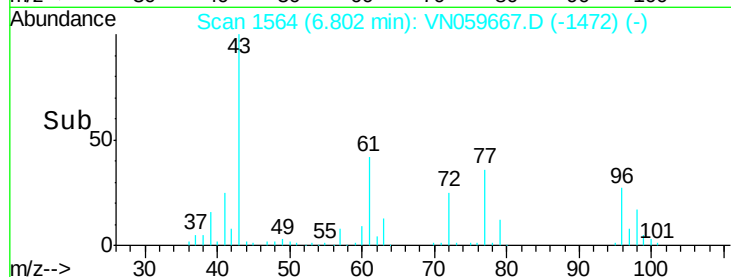
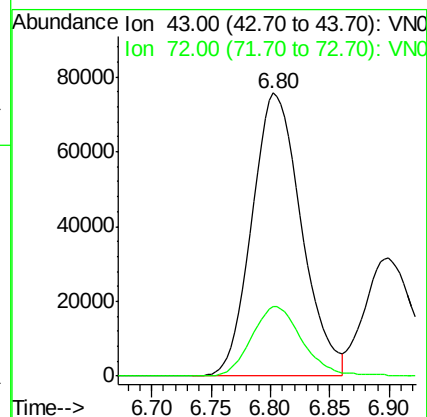
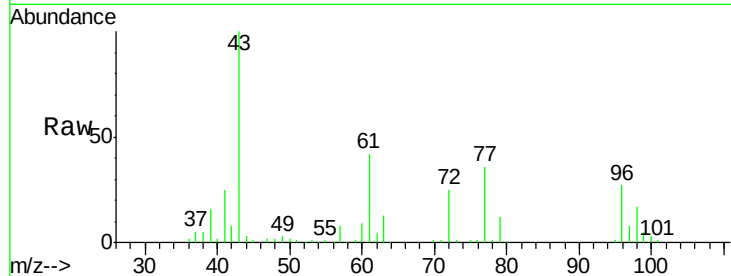
72 24.6 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 19.312 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059667.D

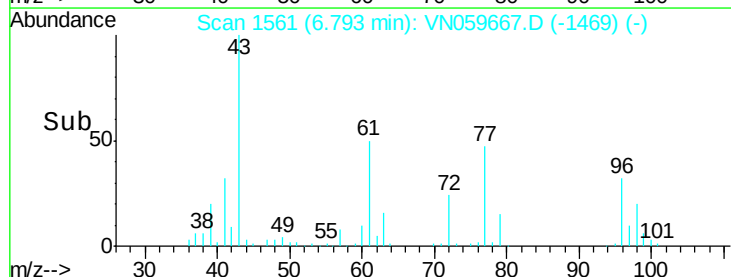
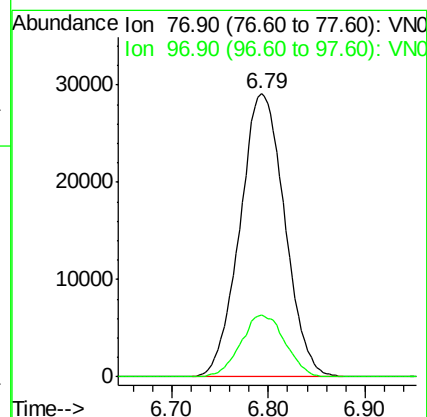
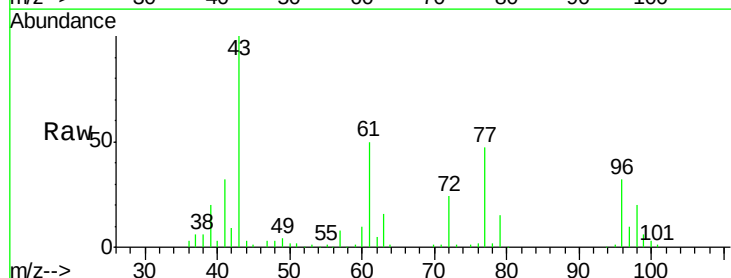
Acq: 19 Dec 2019 13:23

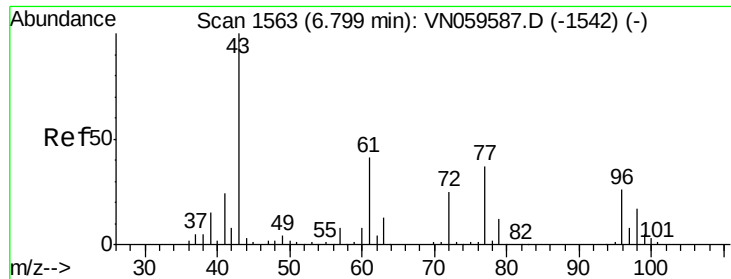
Tgt Ion: 77 Resp: 93405

Ion Ratio Lower Upper

77 100

97 21.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.721 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

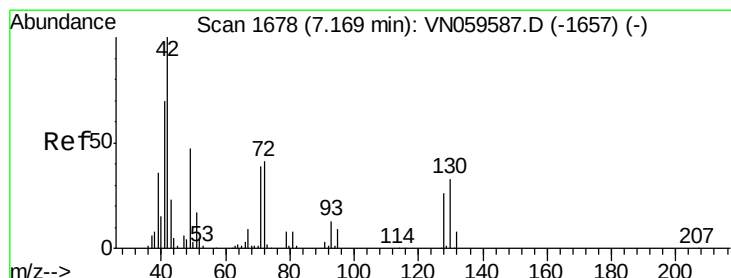
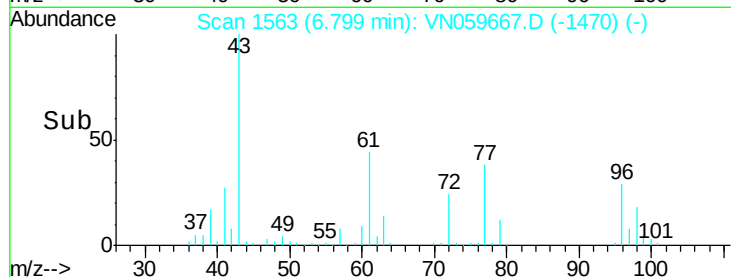
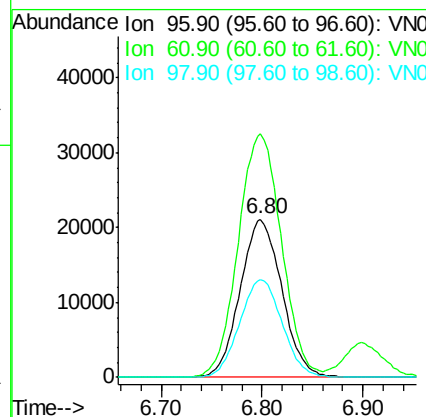
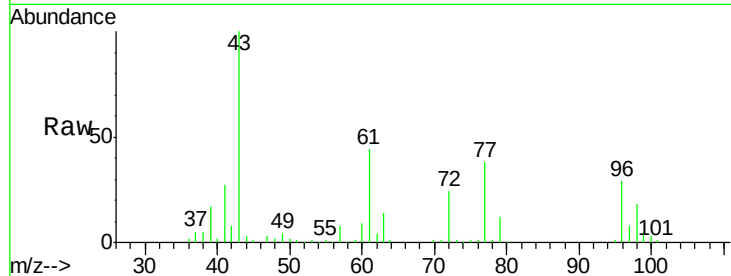
ClientSampleId :

VN1219WBS01

Tot Ion:	96	Resp:	60474
Ion	Ratio	Lower	Upper
96	100		
61	160.0	0.0	317.6
98	63.1	0.0	127.0

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#28

Bromochloromethane

Concen: 21.218 ug/l

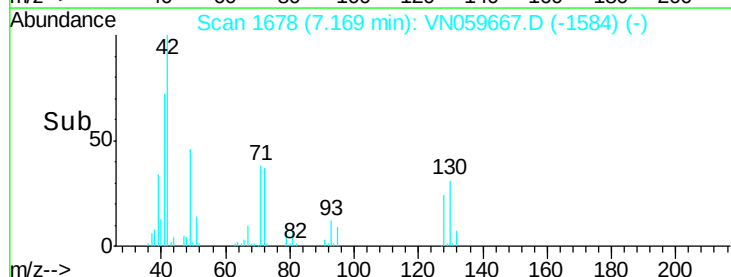
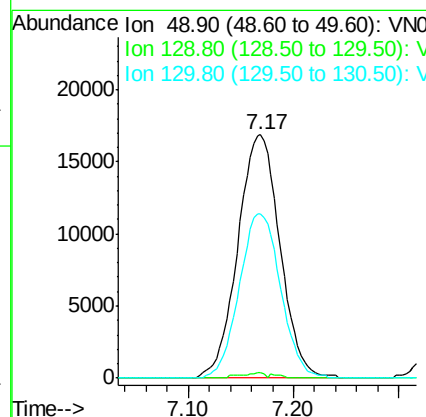
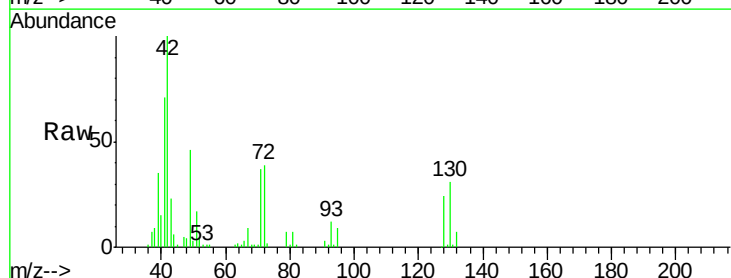
RT: 7.17 min Scan# 1678

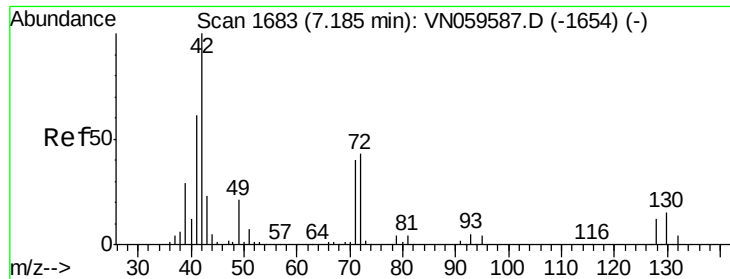
Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Tgt Ion:	49	Resp:	46839
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.4
130	66.3	54.7	82.1





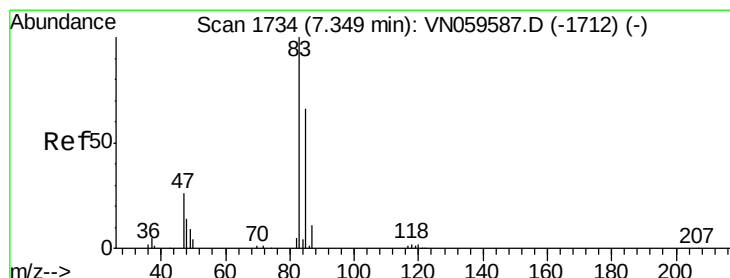
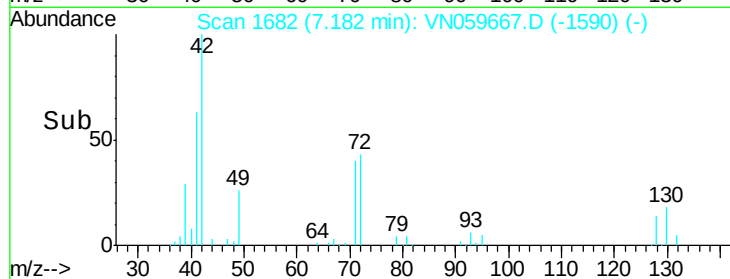
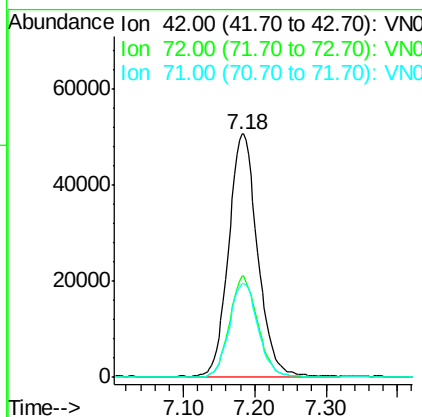
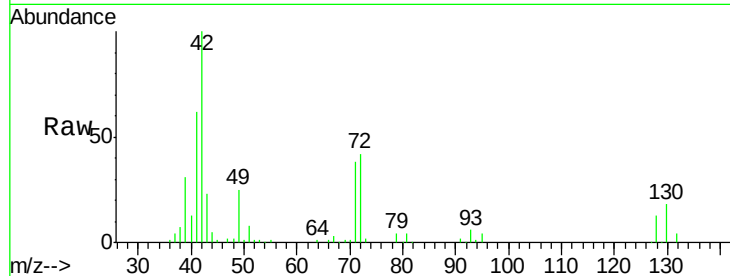
#29
Tetrahydrofuran
Concen: 95.443 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	33.1	49.7
71	38.6	31.4	47.0

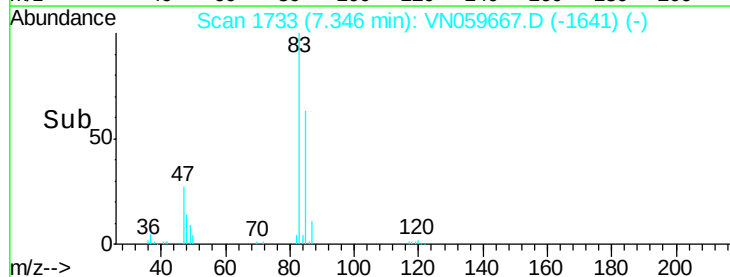
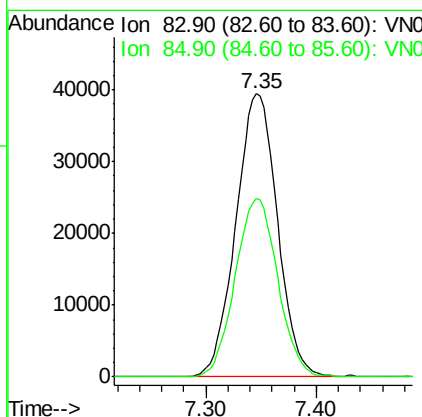
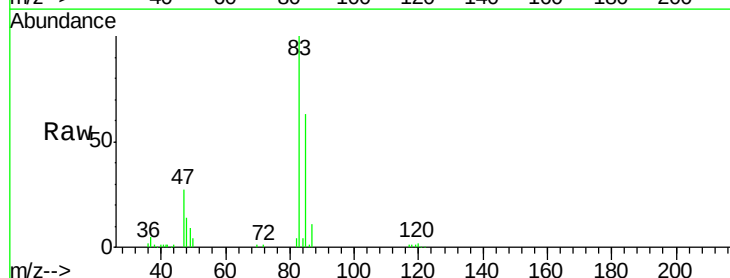
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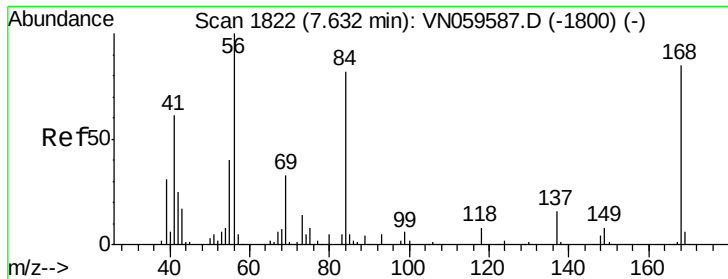
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#30
Chloroform
Concen: 19.666 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.4	78.6





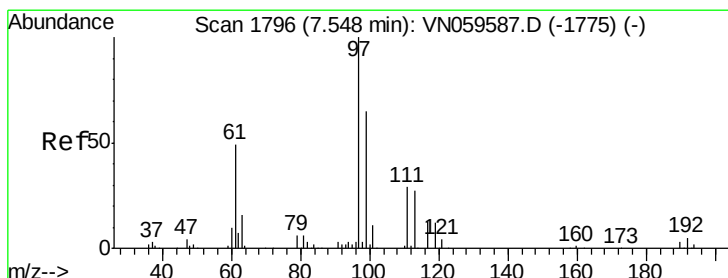
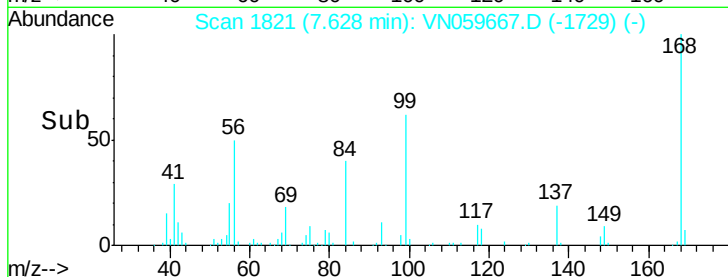
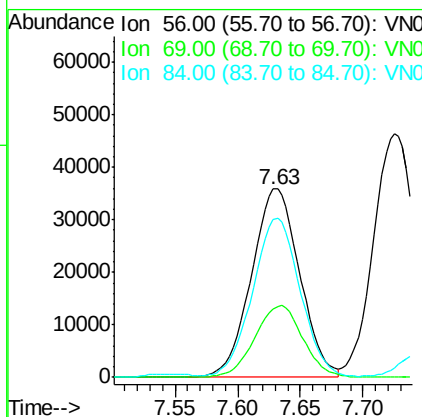
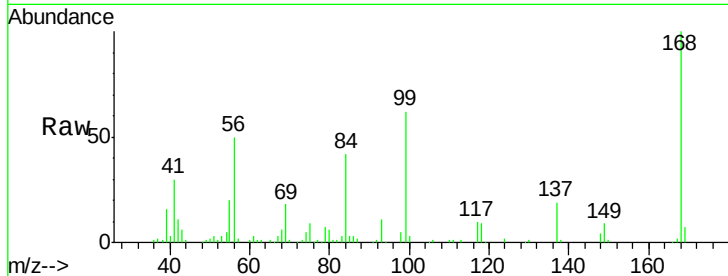
#31
Cyclohexane
Concen: 19.102 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.2	26.5	39.7
84	82.3	65.3	97.9

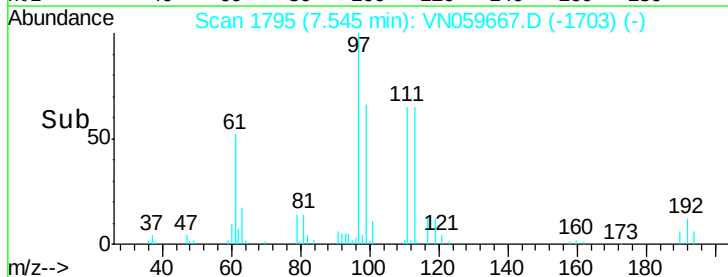
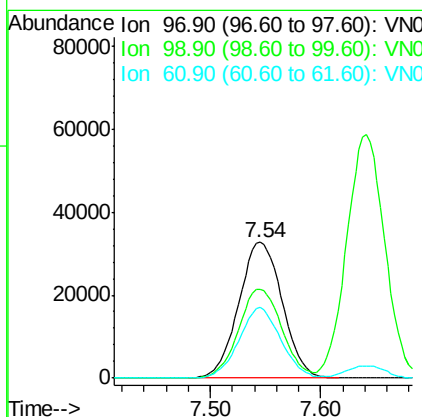
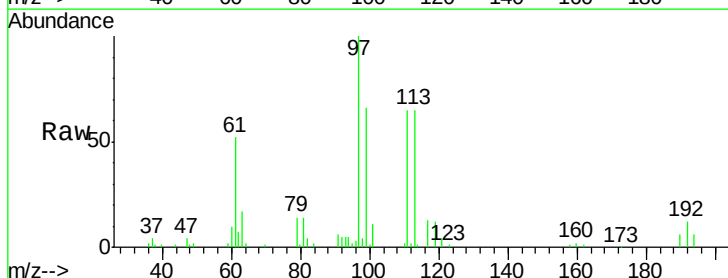
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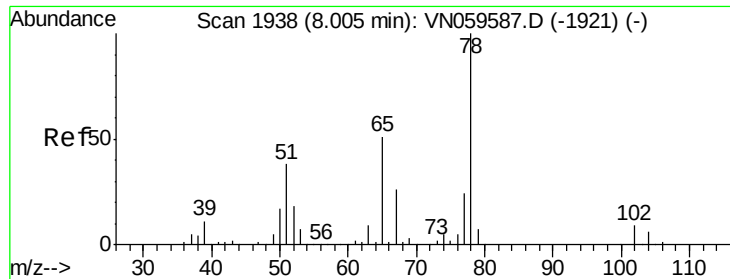
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#32
1,1,1-Trichloroethane
Concen: 18.949 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.0	76.4
61	49.8	38.5	57.7





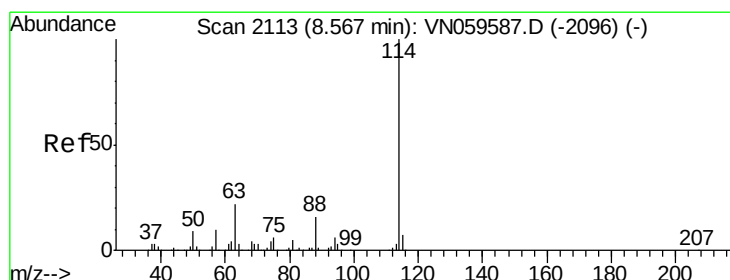
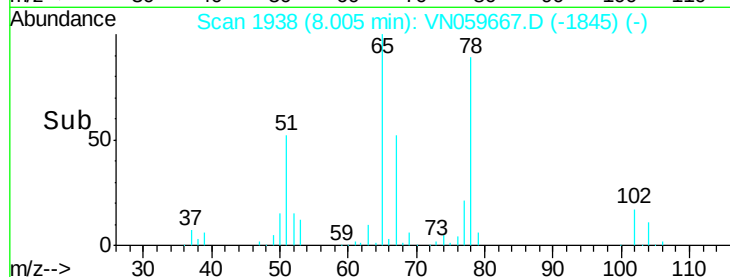
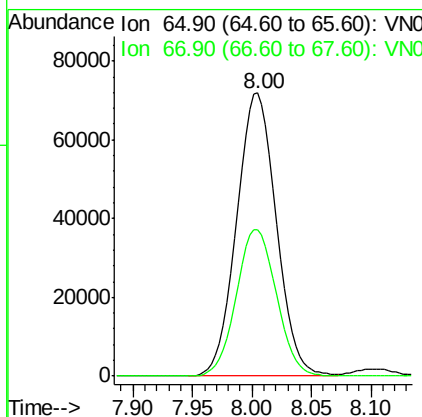
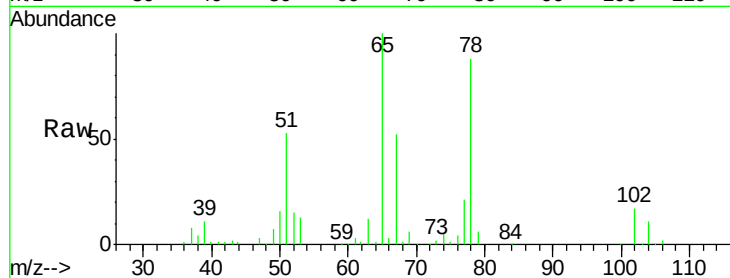
#33
 1,2-Dichloroethane-d4
 Concen: 48.284 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	166284		
67	52.4	0.0	103.0	

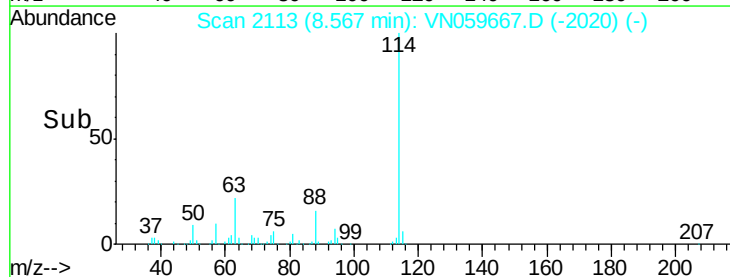
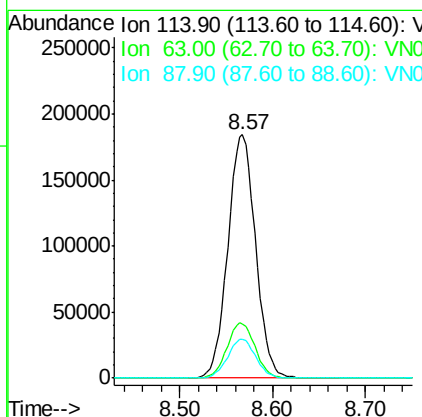
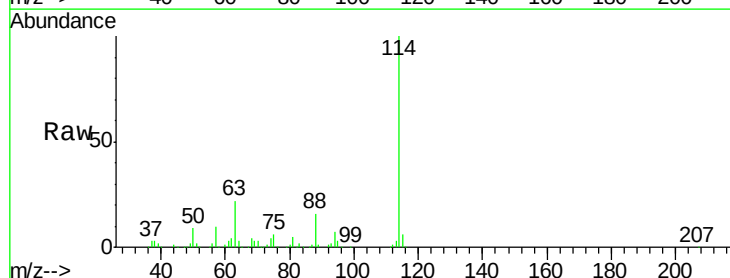
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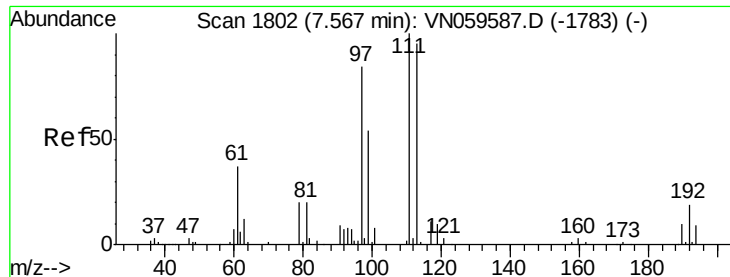
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	381657		
63	22.4	0.0	43.6	
88	16.1	0.0	31.4	





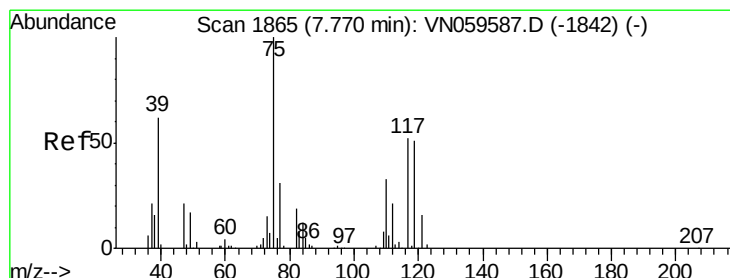
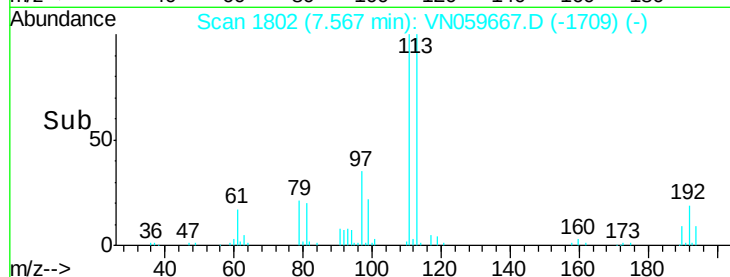
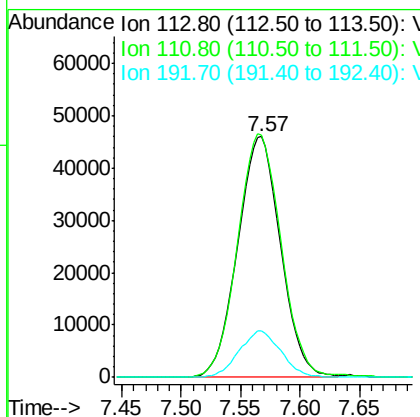
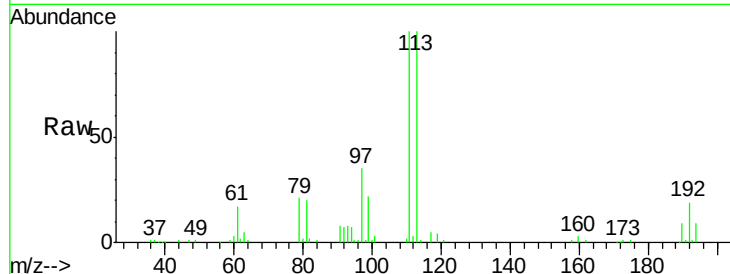
#35
 Dibromofluoromethane
 Concen: 48.065 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	114779		
111	102.7	83.5	125.3	
192	18.9	15.4	23.2	

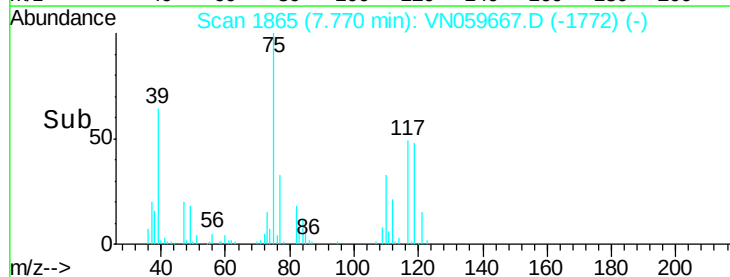
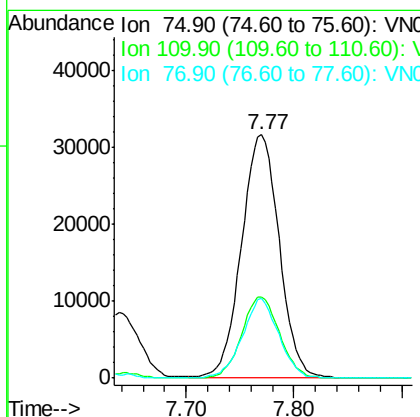
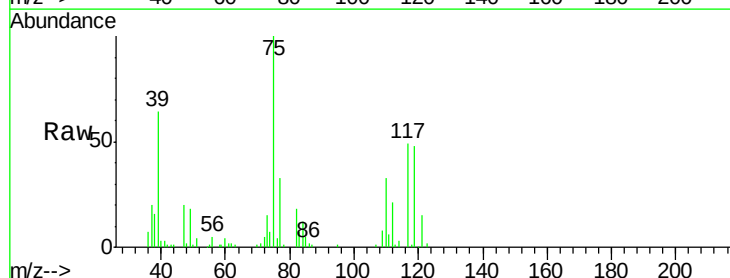
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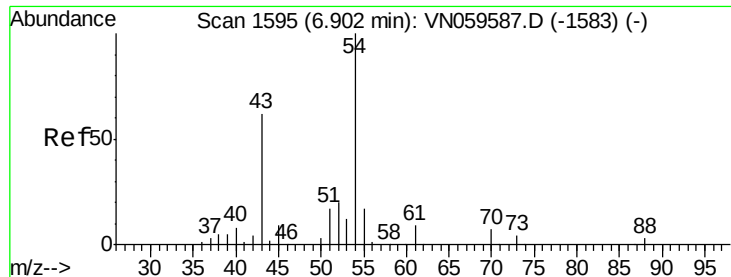
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#36
 1,1-Dichloropropene
 Concen: 19.413 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	77267		
110	33.2	16.6	49.7	
77	31.4	25.1	37.7	





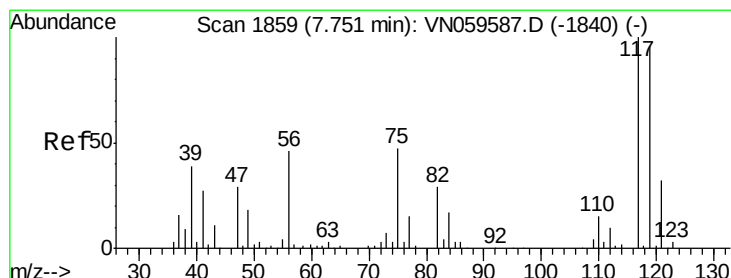
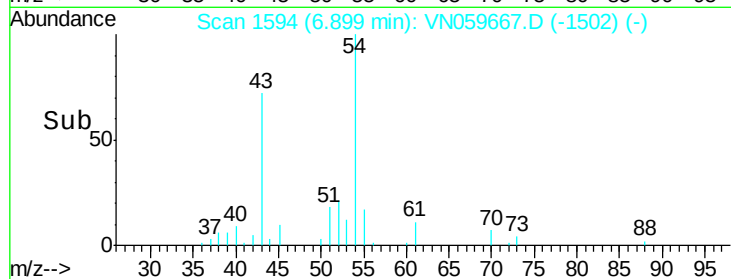
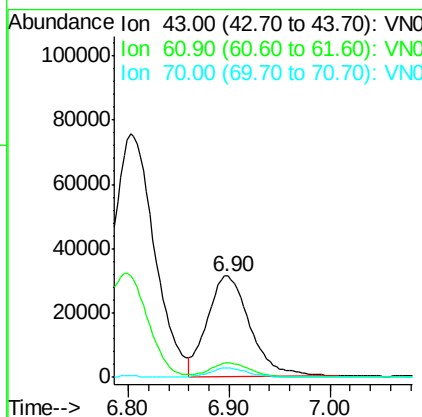
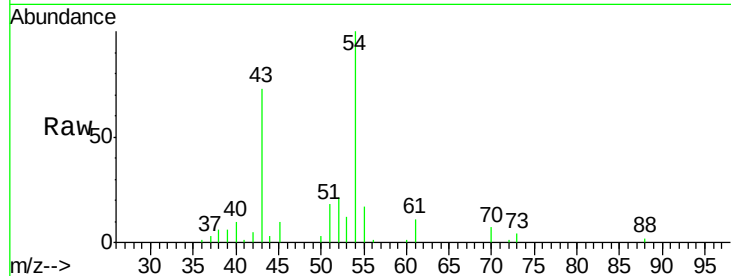
#37
Ethyl Acetate
Concen: 19.821 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

Tot Ion	43	Resp	91693
Ion Ratio	100	Lower	Upper
43	100		
61	13.9	10.9	16.3
70	8.4	7.7	11.5

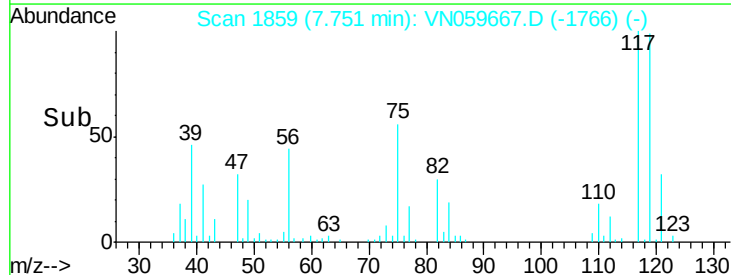
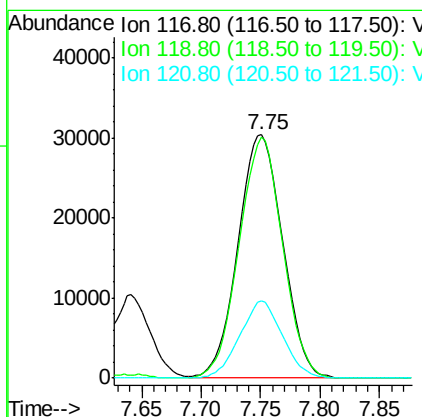
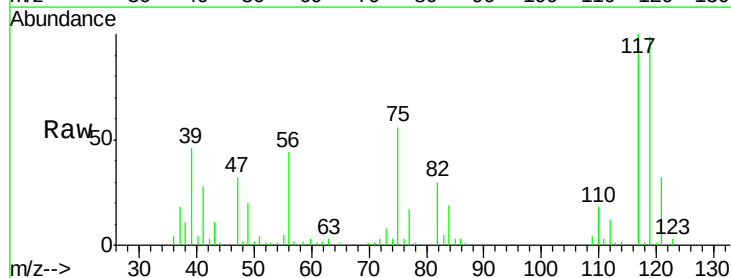
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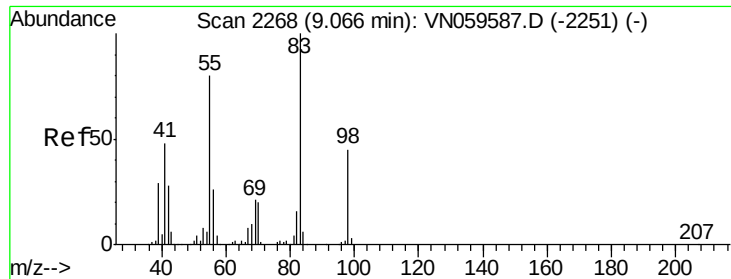
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#38
Carbon Tetrachloride
Concen: 19.176 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion	117	Resp	79199
Ion Ratio	100	Lower	Upper
117	100		
119	99.1	76.5	114.7
121	31.8	25.1	37.7





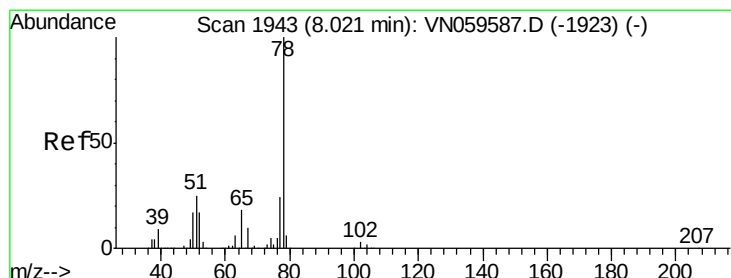
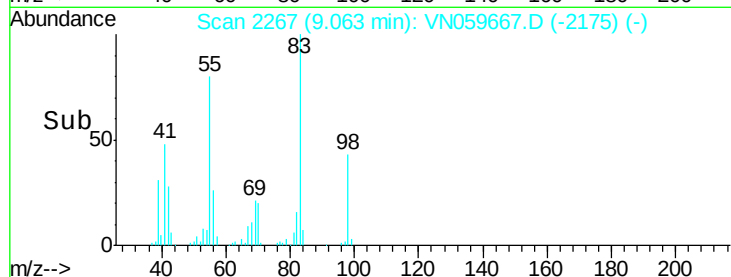
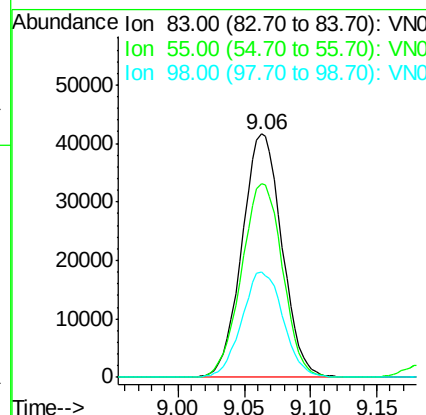
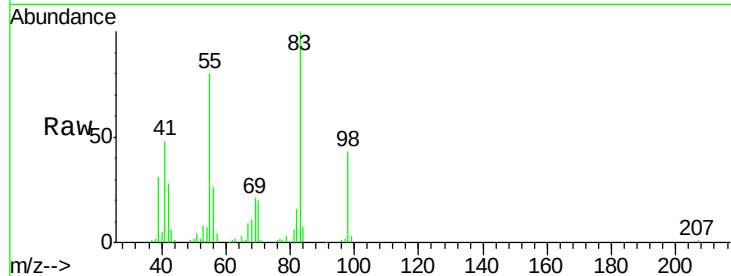
#39
Methylvlcyclohexane
Concen: 19.314 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.8	64.2	96.2
98	43.1	35.9	53.9

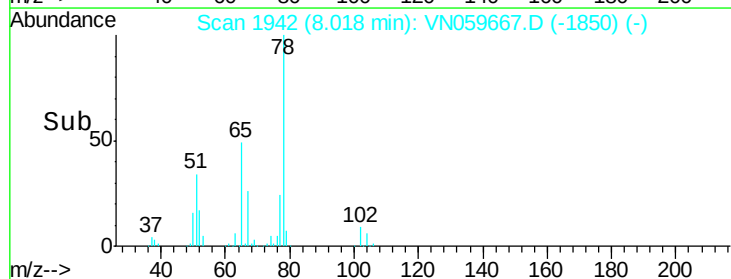
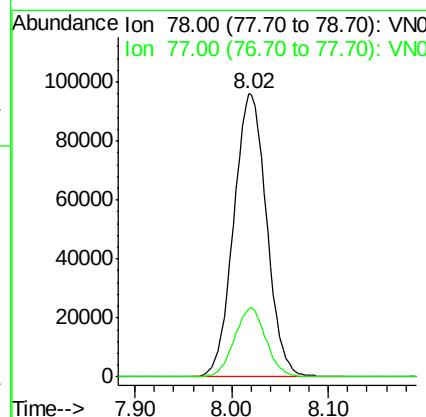
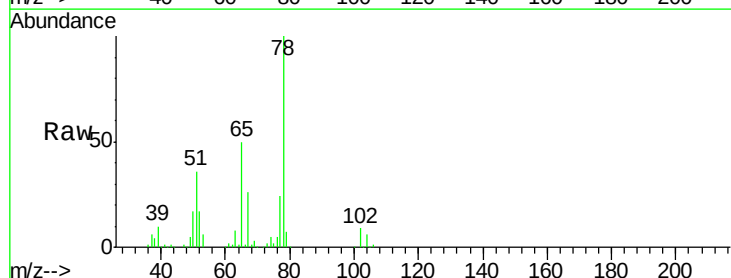
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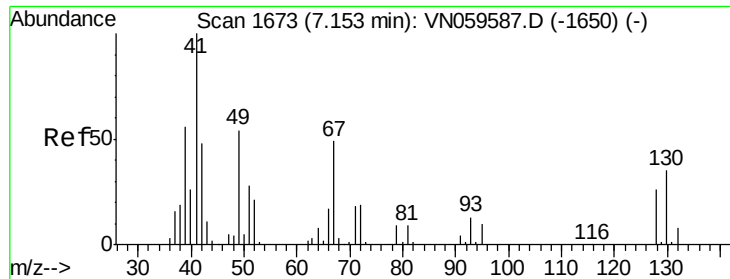
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#40
Benzene
Concen: 19.476 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.9	28.3





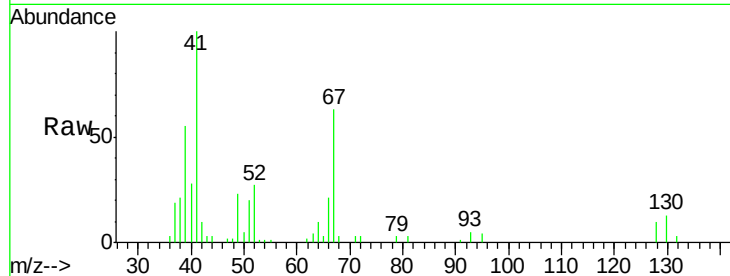
#41
Methacrylonitrile
Concen: 15.204 ug/l m
RT: 7.14 min Scan# 1668
Delta R.T. -0.02 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

Tot Ion	41	Resp	29026
Ion Ratio	Lower	Upper	
41	100		
39	232.2	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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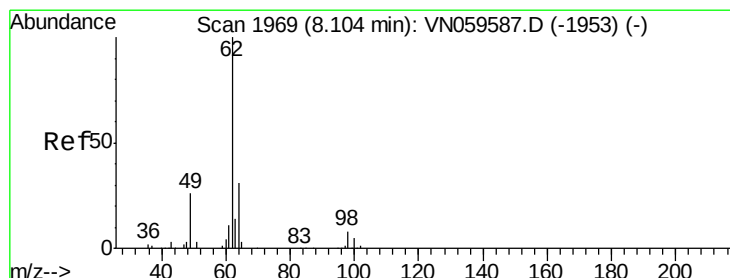
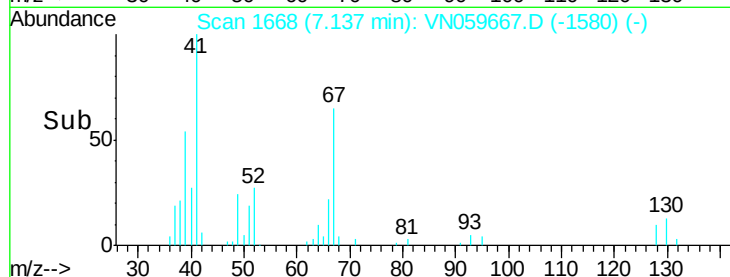
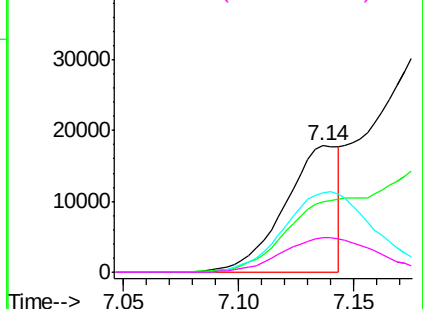


Abundance Ion 41.00 (40.70 to 41.70): VN059667.D (-1580) (-)

Ion 39.00 (38.70 to 39.70): VN059667.D (-1580) (-)

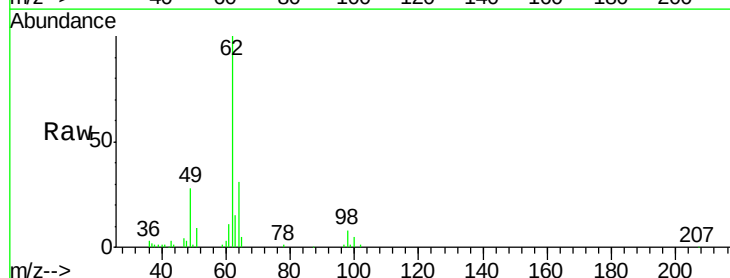
Ion 67.00 (66.70 to 67.70): VN059667.D (-1580) (-)

Ion 52.00 (51.70 to 52.70): VN059667.D (-1580) (-)



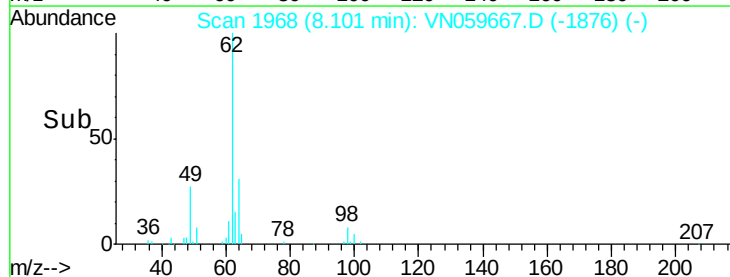
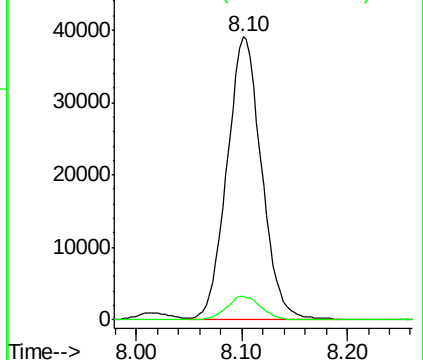
#42
1,2-Dichloroethane
Concen: 19.917 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

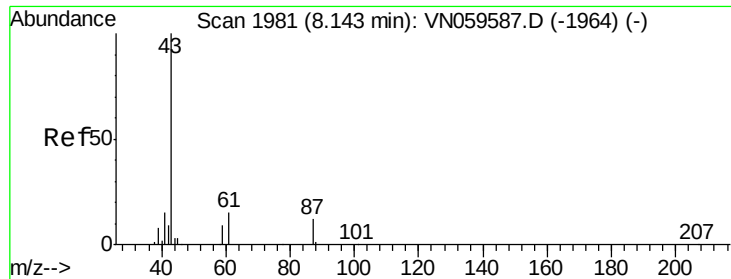
Tgt Ion	62	Resp	88720
Ion Ratio	Lower	Upper	
62	100		
98	8.2	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN059667.D (-1876) (-)

Ion 97.90 (97.60 to 98.60): VN059667.D (-1876) (-)





#43

Isopropyl Acetate

Concen: 19.554 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

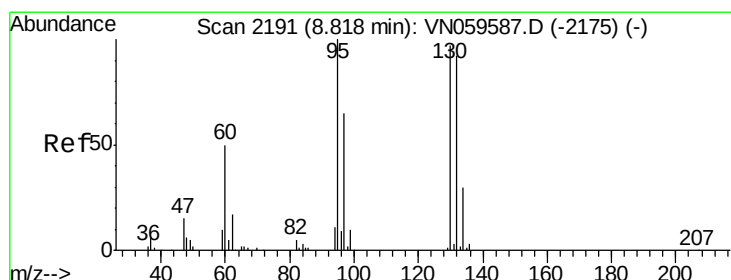
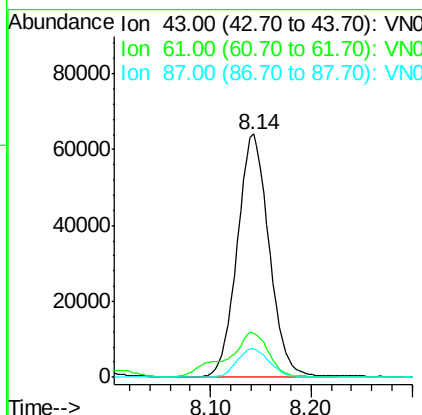
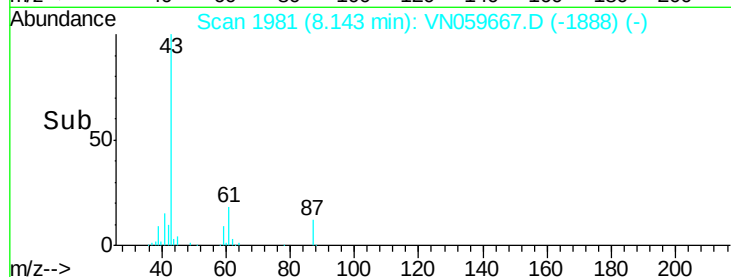
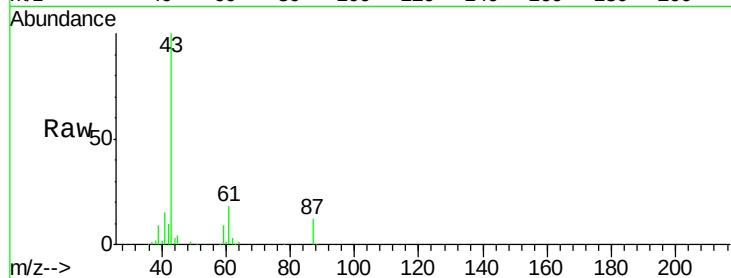
ClientSampleId :

VN1219WBS01

Tot Ion:	43	Resp:	140636
Ion	Ratio	Lower	Upper
43	100		
61	24.5	20.2	30.2
87	12.0	9.5	14.3

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#44

Trichloroethene

Concen: 19.281 ug/l

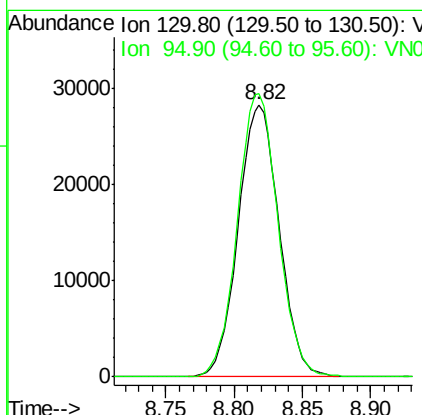
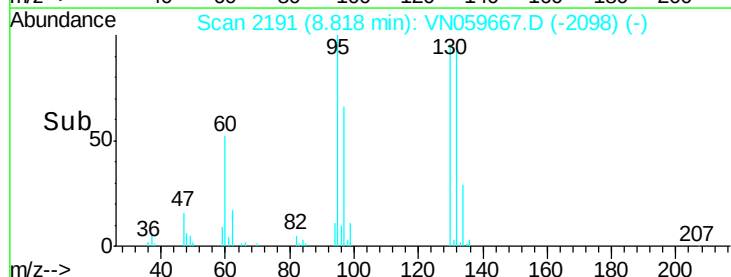
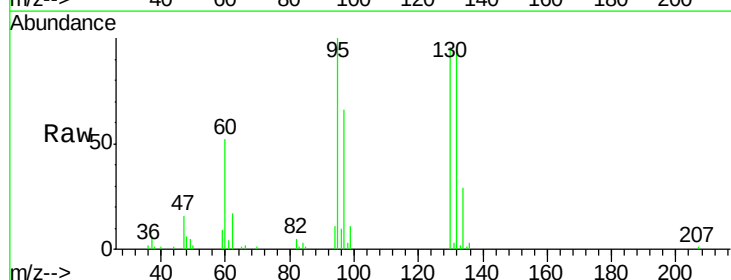
RT: 8.82 min Scan# 2191

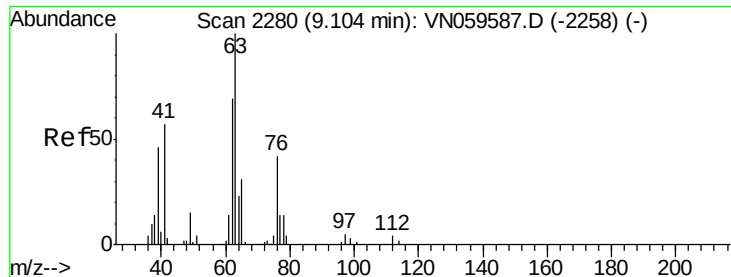
Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Tgt Ion:	130	Resp:	58744
Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	207.0





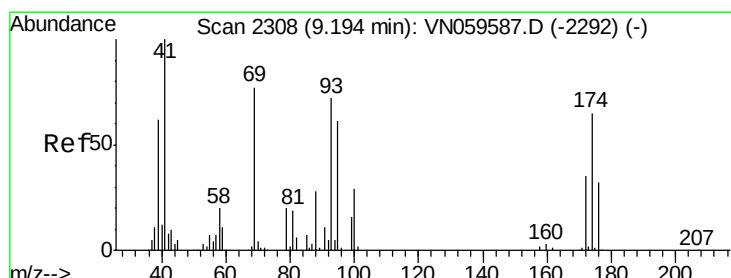
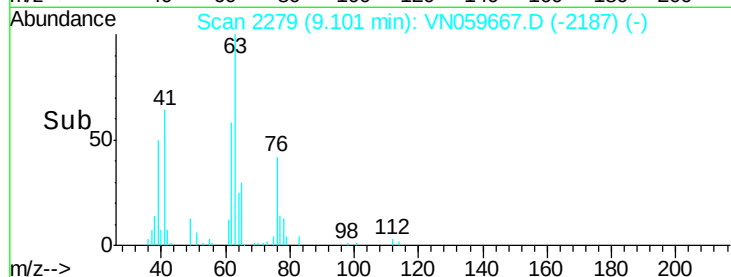
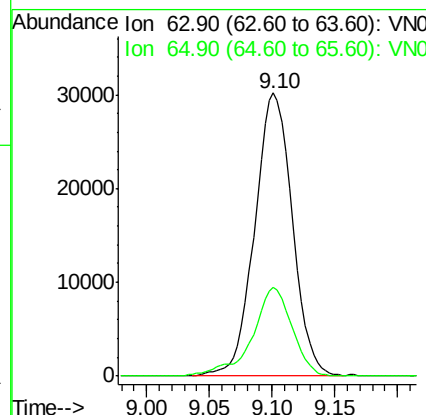
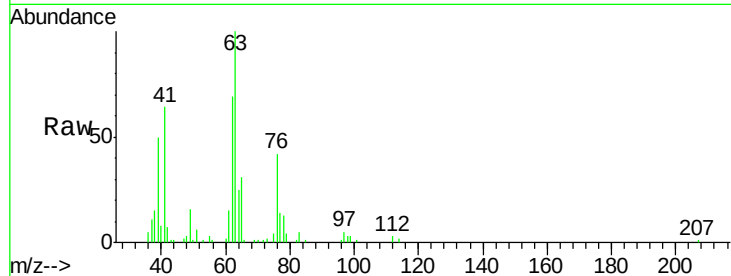
#45
 1,2-Dichloropropane
 Concen: 20.112 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

Tot Ion: 63 Resp: 63170
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.9 37.3

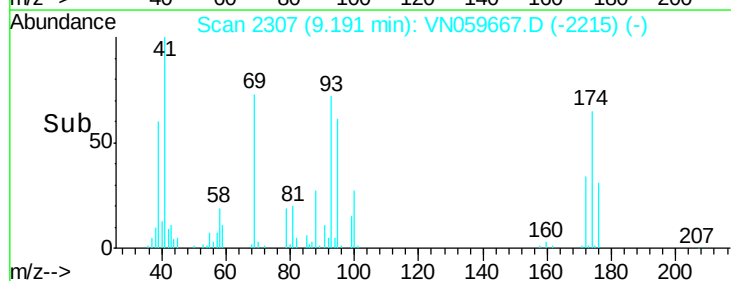
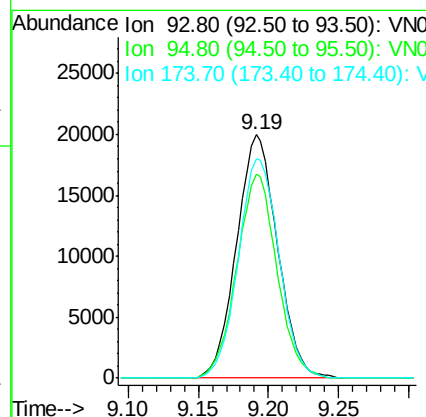
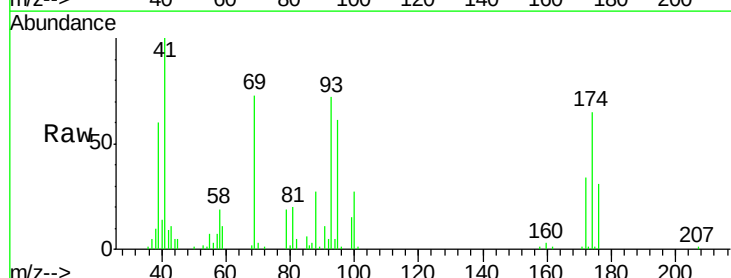
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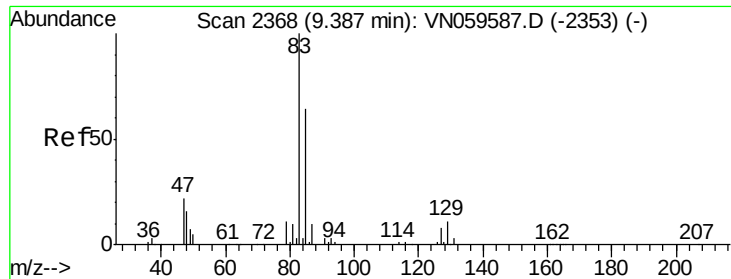
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#46
 Dibromomethane
 Concen: 19.692 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Tgt Ion: 93 Resp: 40521
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.0 100.6
 174 89.9 73.4 110.2





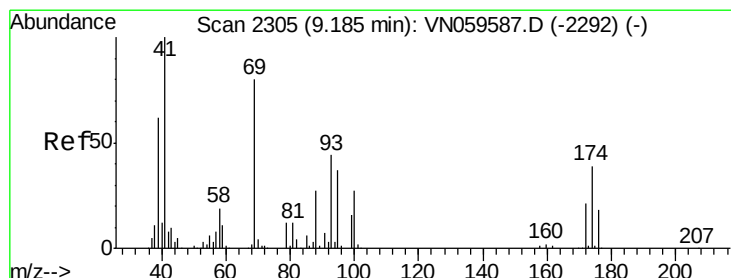
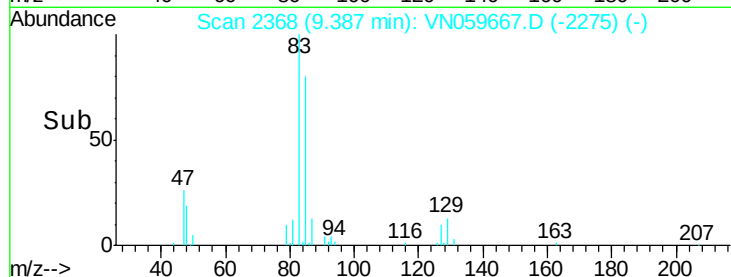
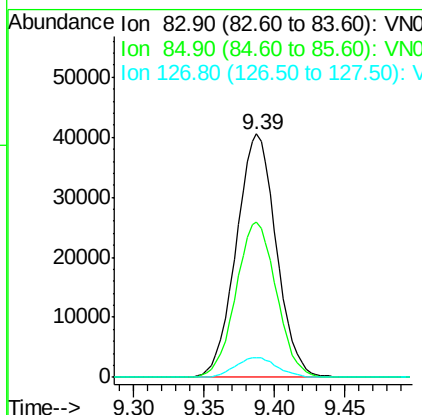
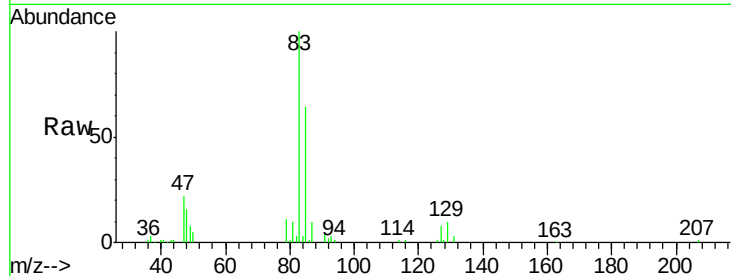
#47
Bromodichloromethane
Concen: 19.576 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

Tot Ion	83	Resp	80313
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	51.1	76.7
127	8.2	6.6	9.8

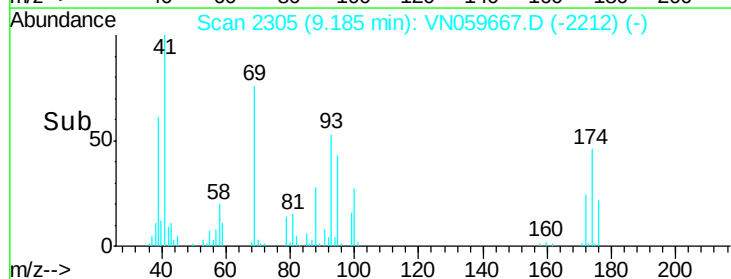
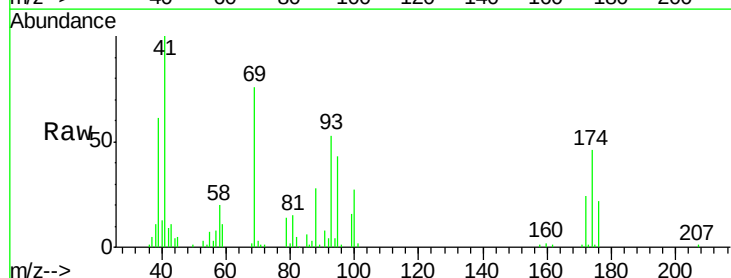
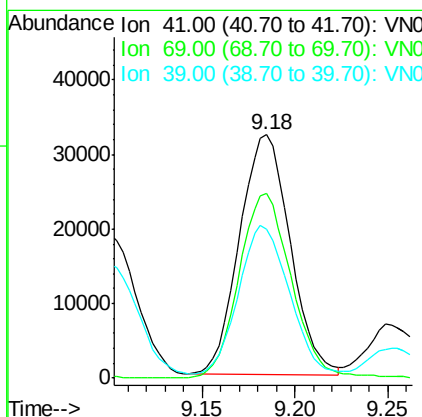
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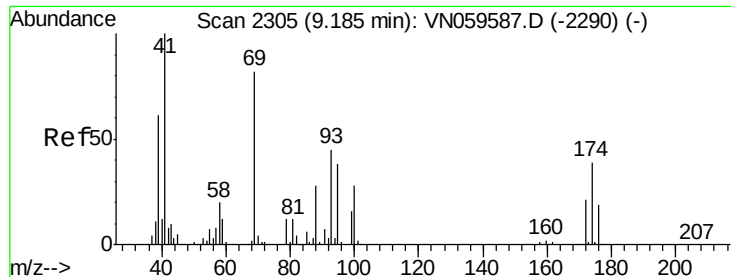
apatel
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#48
Methyl methacrylate
Concen: 18.732 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion	41	Resp	61125
Ion Ratio	100	Lower	Upper
41	100		
69	79.7	64.4	96.6
39	64.5	51.3	76.9





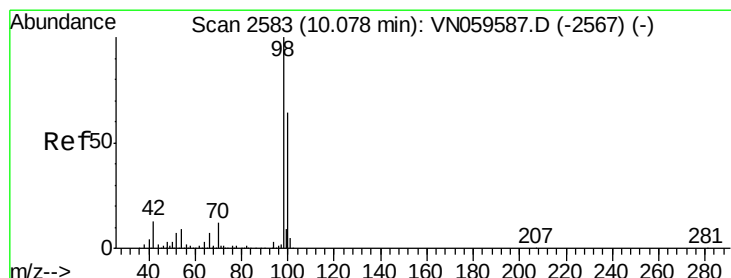
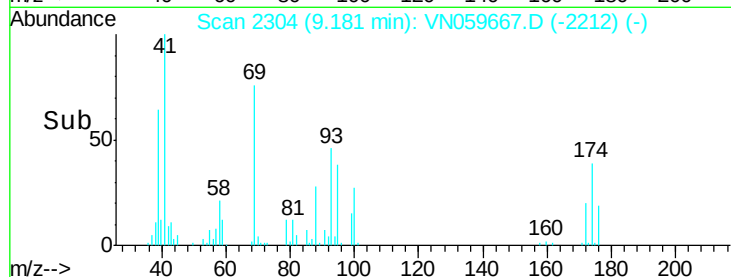
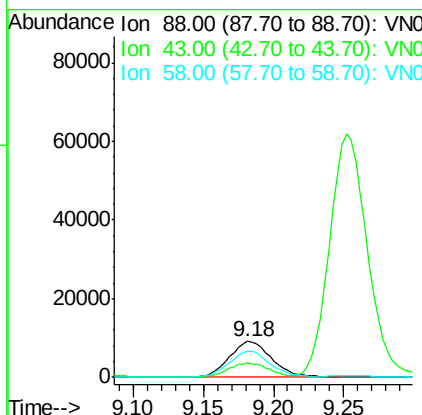
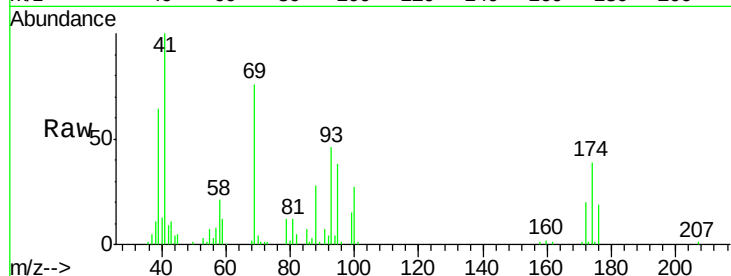
#49
1,4-Dioxane
Concen: 411.962 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.8	29.7	44.5
58	71.1	56.6	85.0

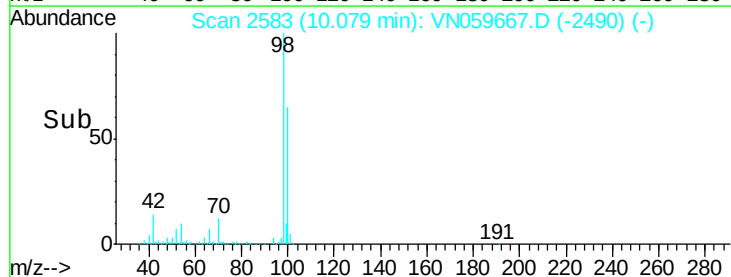
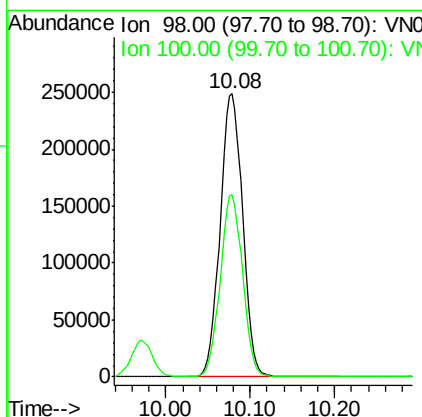
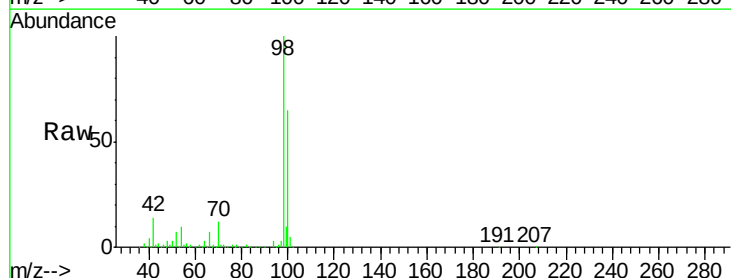
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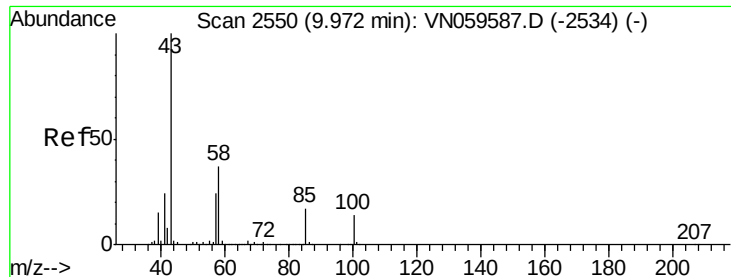
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#50
Toluene-d8
Concen: 48.673 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 102.437 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

Tot Ion: 43 Resp: 439261

Ion Ratio Lower Upper

43 100

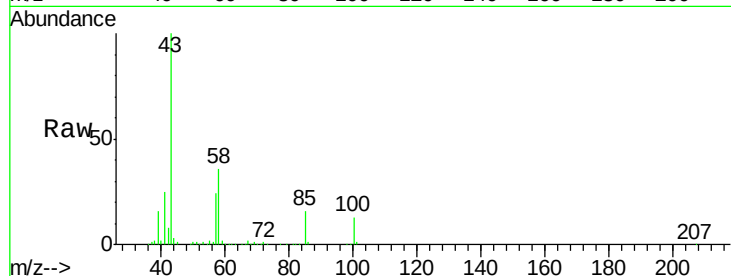
58 36.5 29.8 44.8

Manual Integrations

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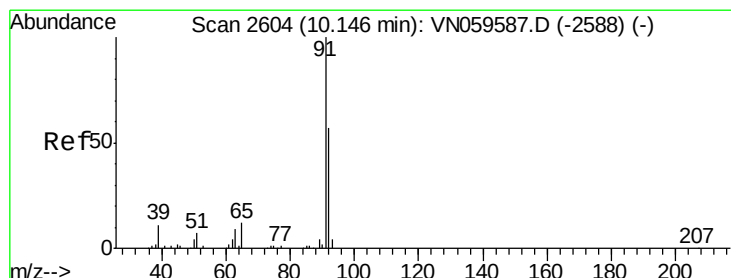
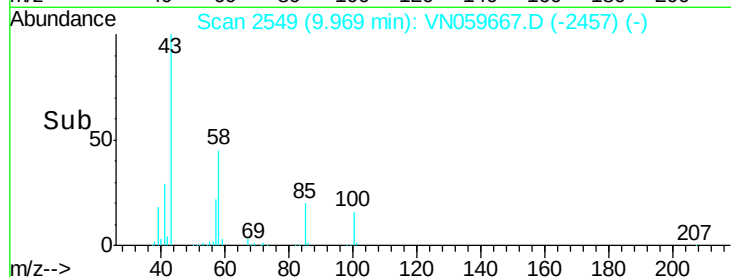
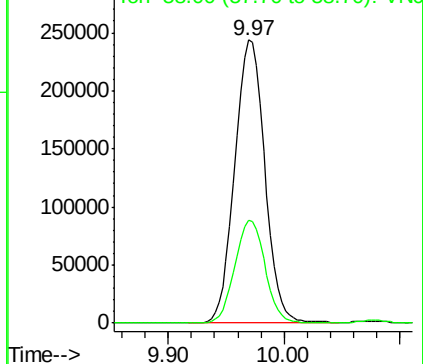
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.437 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059667.D

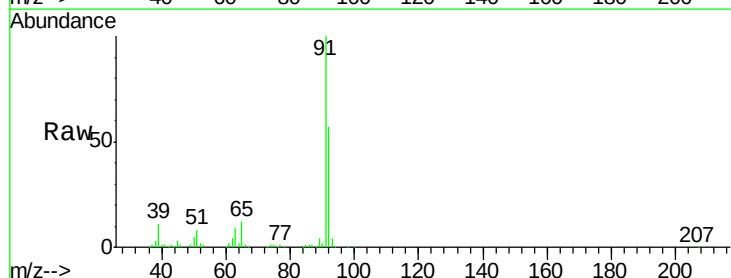
Acq: 19 Dec 2019 13:23

Tgt Ion: 92 Resp: 138910

Ion Ratio Lower Upper

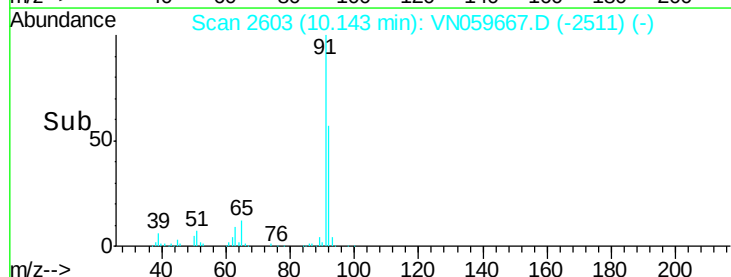
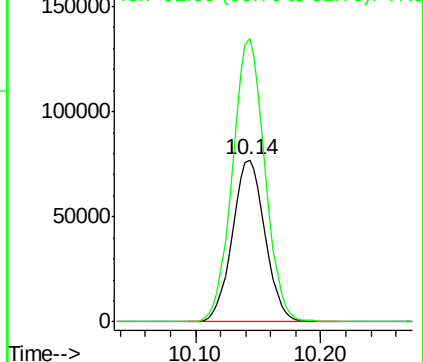
92 100

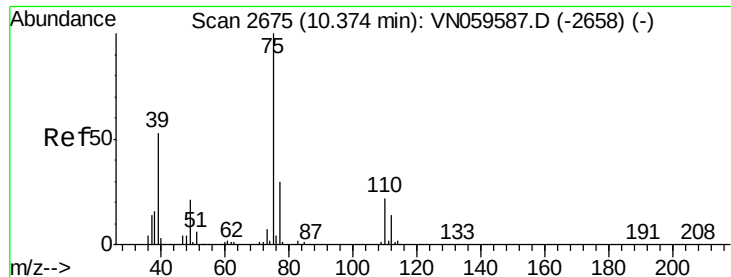
91 173.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





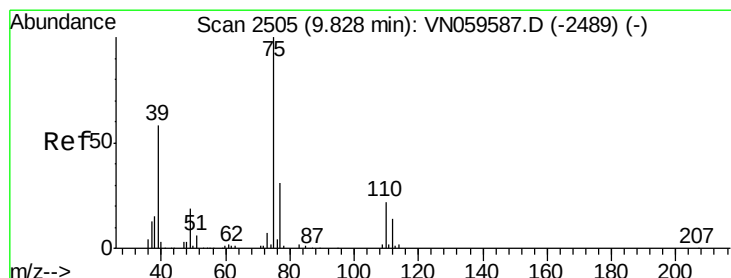
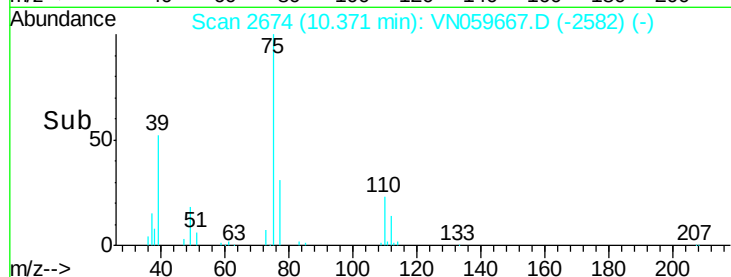
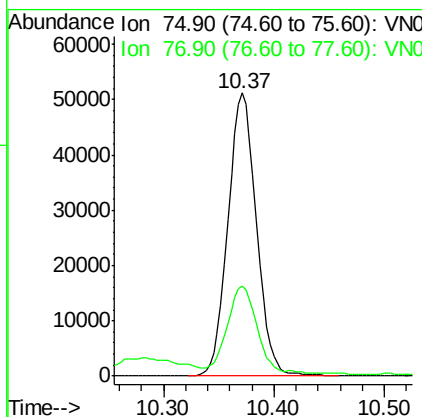
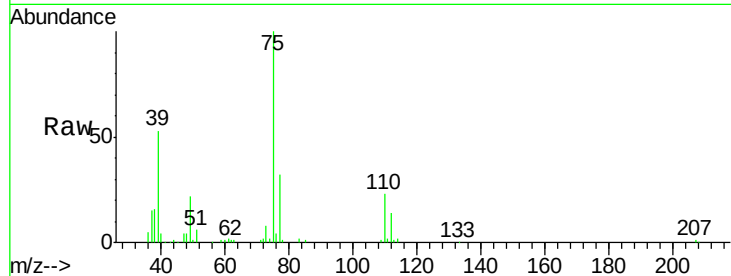
#53
t-1,3-Dichloropropene
Concen: 19.388 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

Tot Ion: 75 Resp: 91995
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.2

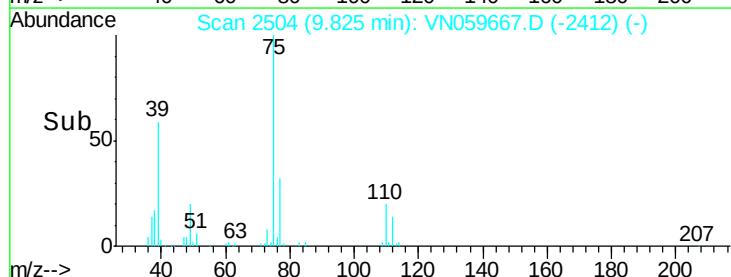
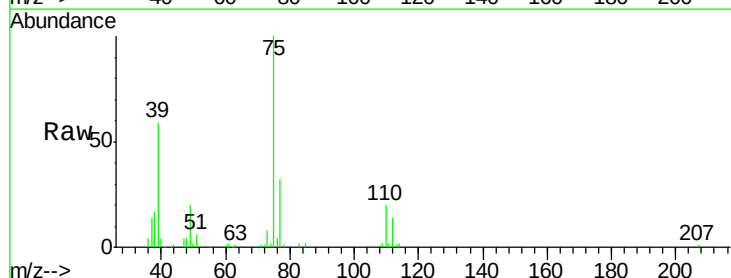
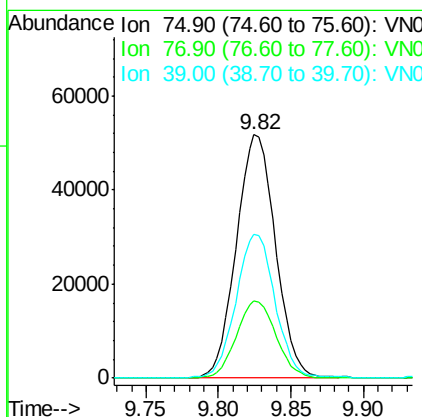
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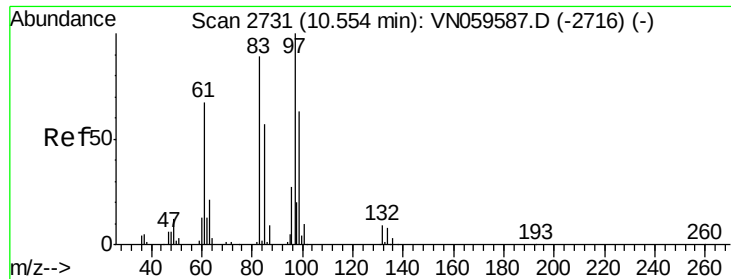
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#54
cis-1,3-Dichloropropene
Concen: 19.526 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion: 75 Resp: 97388
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7
39 58.8 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 19.720 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

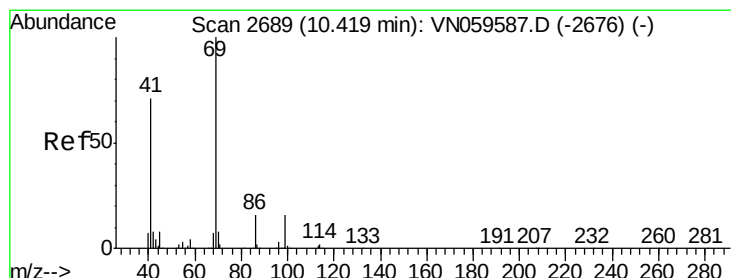
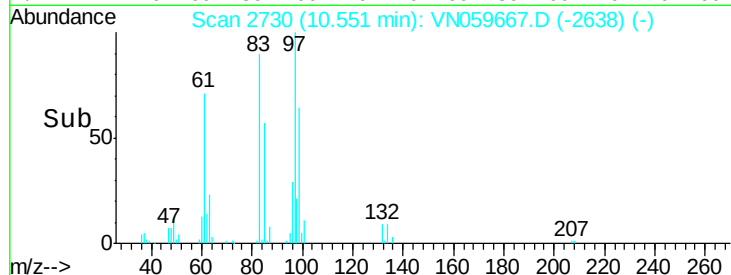
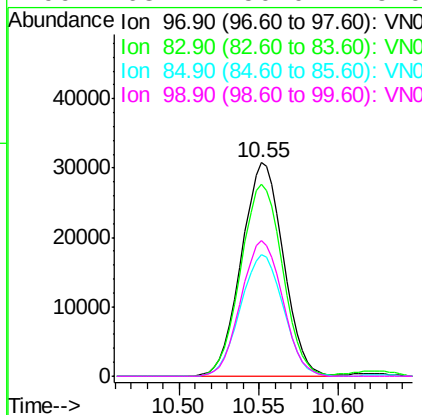
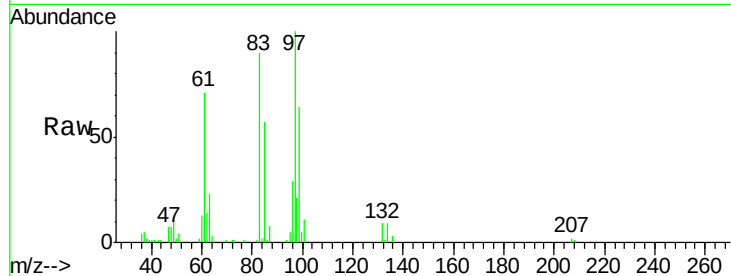
ClientSampleId :

VN1219WBS01

Tot Ion:	97	Resp:	55303
Ion	Ratio	Lower	Upper
97	100		
83	89.8	71.3	106.9
85	56.7	45.8	68.8
99	63.7	50.0	75.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.162 ug/l

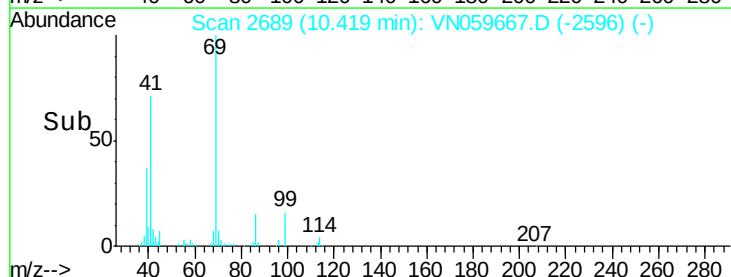
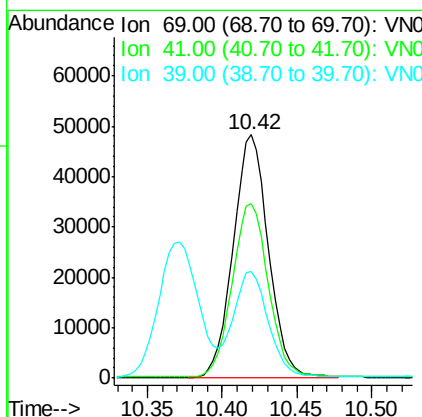
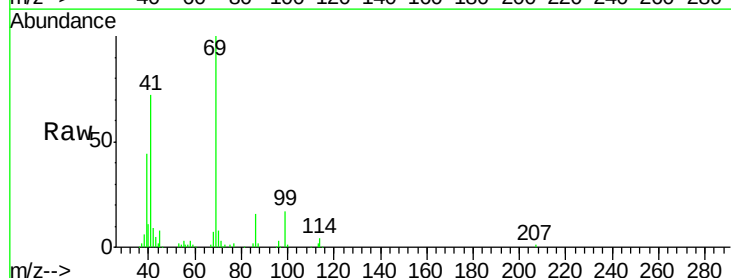
RT: 10.42 min Scan# 2689

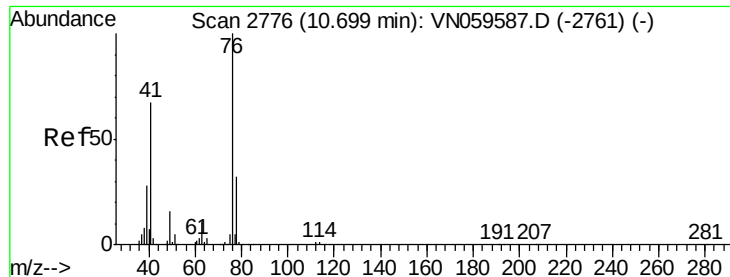
Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Tgt Ion:	69	Resp:	79778
Ion	Ratio	Lower	Upper
69	100		
41	72.5	57.1	85.7
39	43.3	34.7	52.1





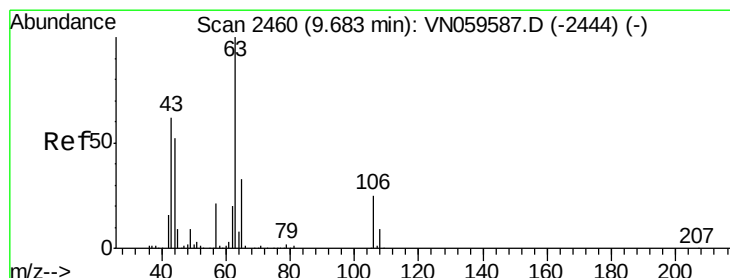
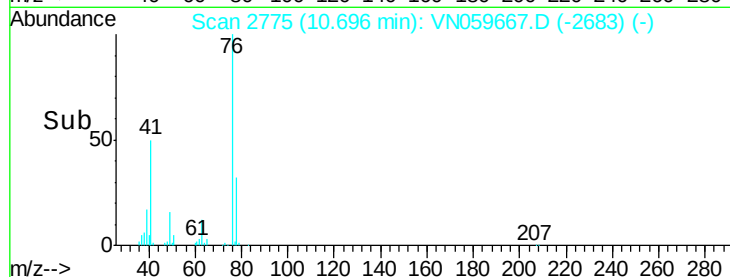
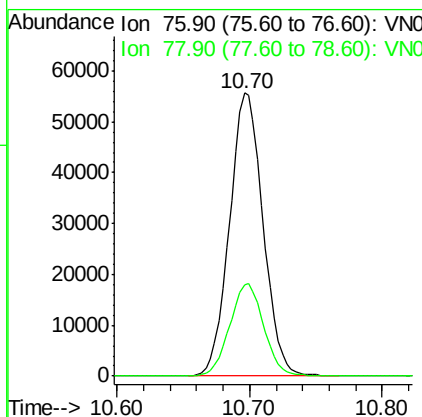
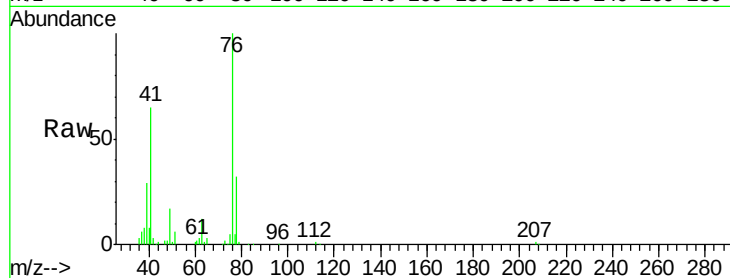
#57
 1,3-Dichloropropane
 Concen: 19.990 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.8

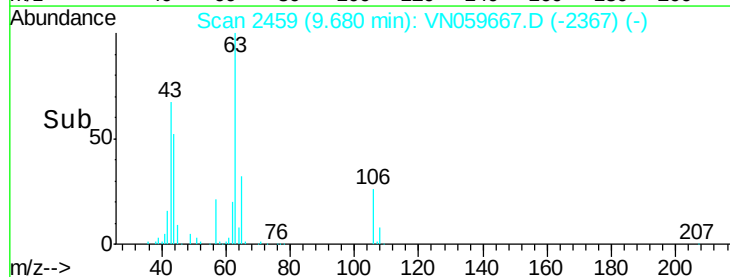
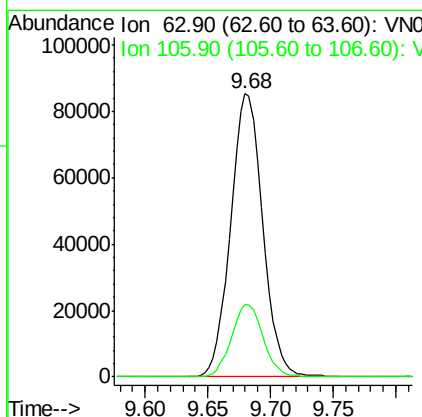
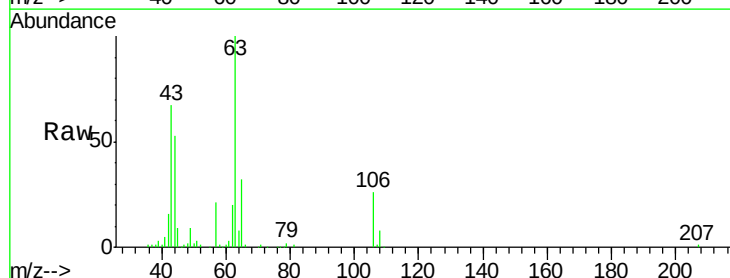
Manual Integrations
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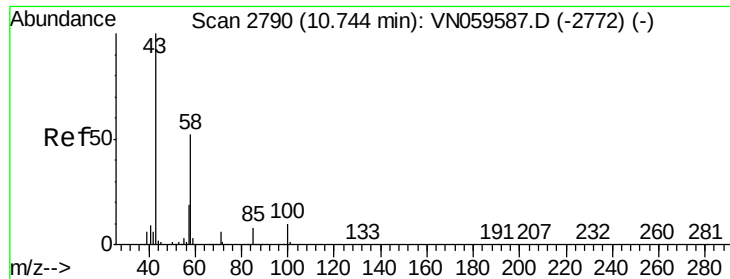
apatel
 12/20/2019 9:20:23 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.734 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.2	20.2	30.2





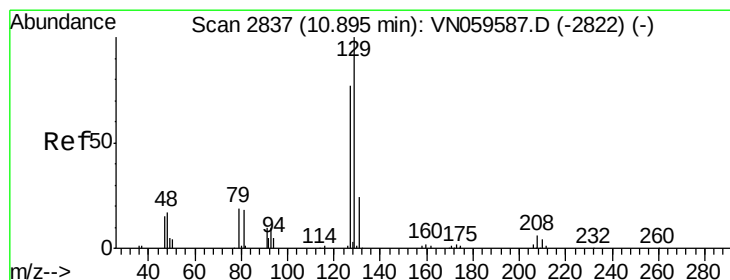
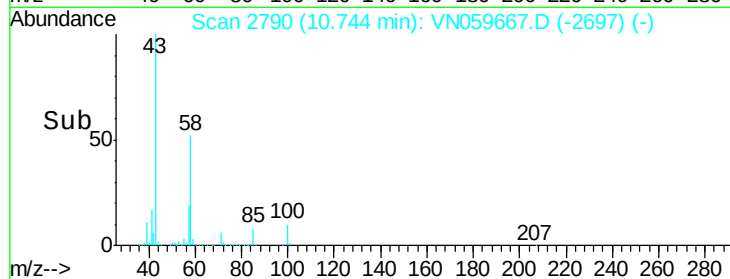
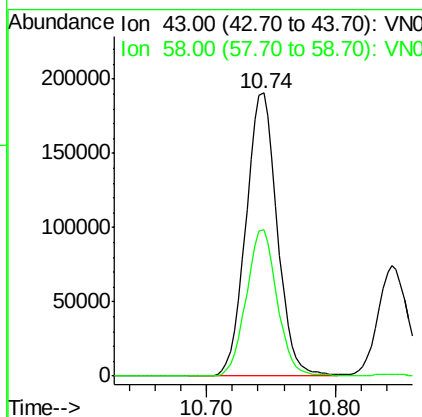
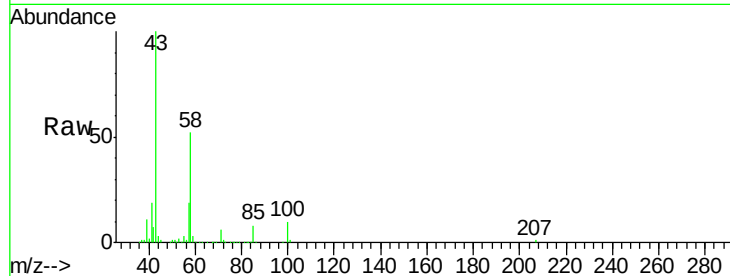
#59
2-Hexanone
Concen: 95.532 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.0	25.8	77.3

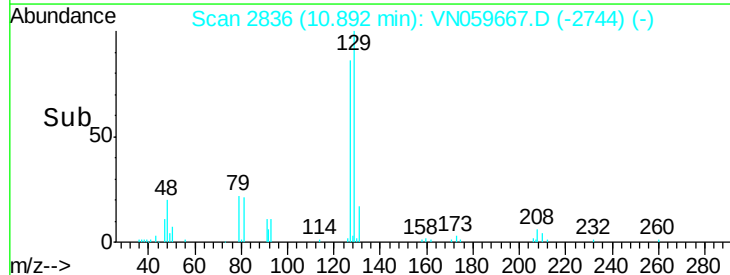
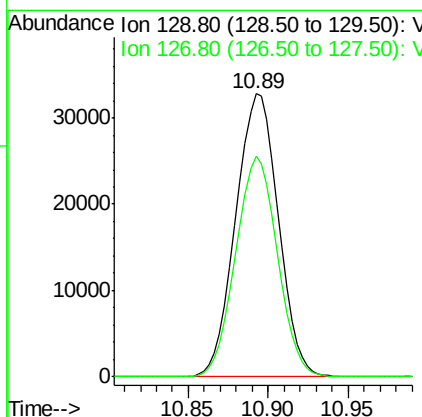
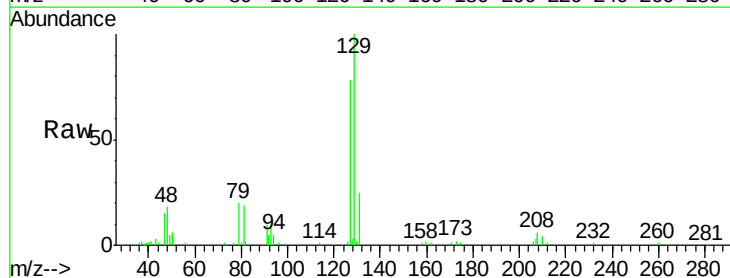
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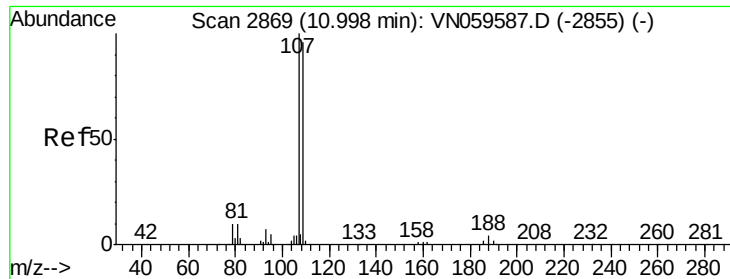
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#60
Dibromochloromethane
Concen: 19.528 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.5	115.5





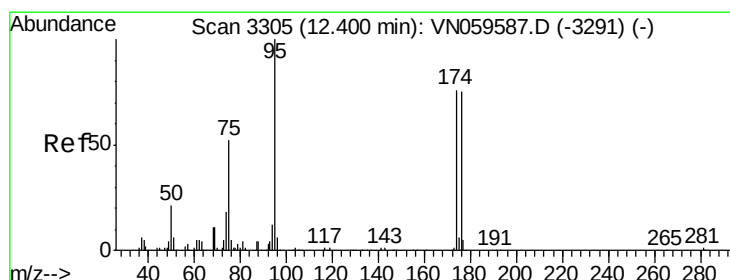
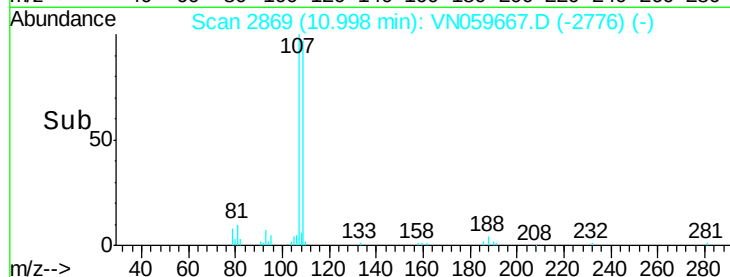
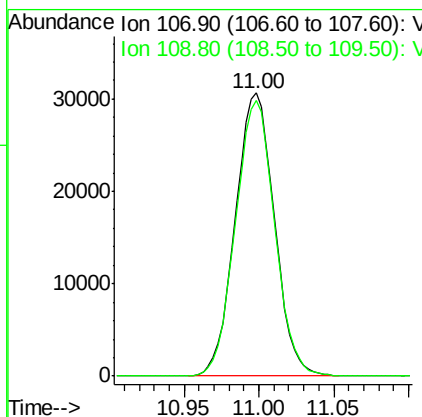
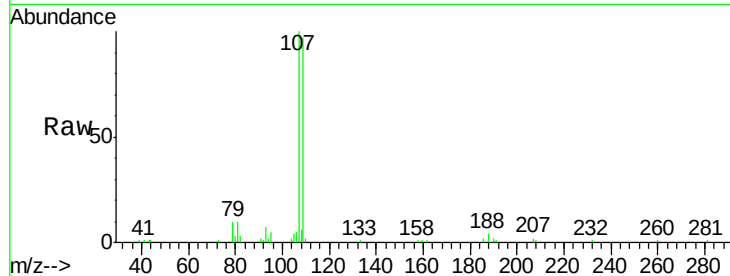
#61
 1,2-Dibromoethane
 Concen: 18.792 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

Tot Ion: 107 Resp: 55891
 Ion Ratio Lower Upper
 107 100
 109 97.3 76.6 115.0

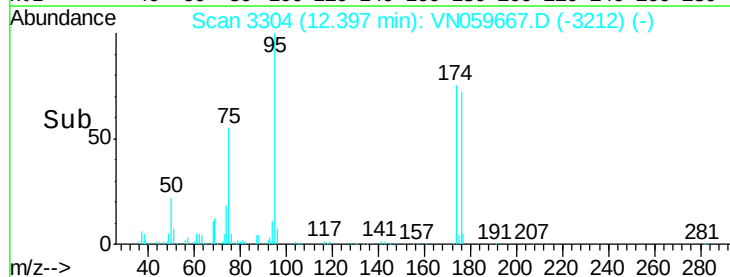
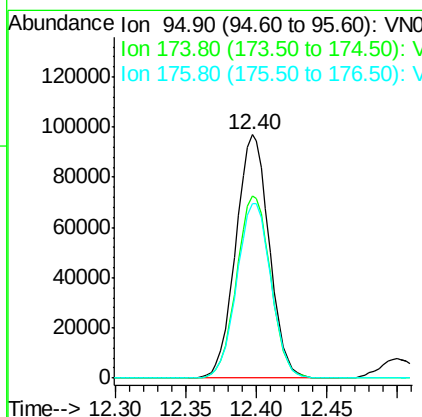
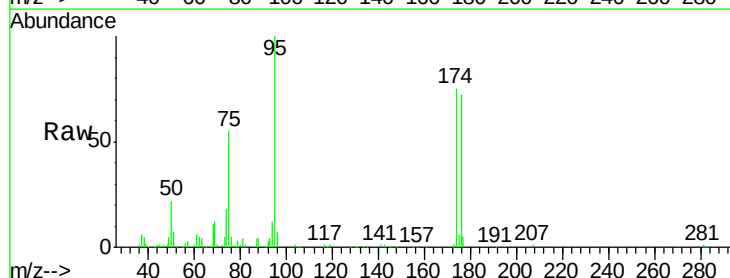
Manual Integrations
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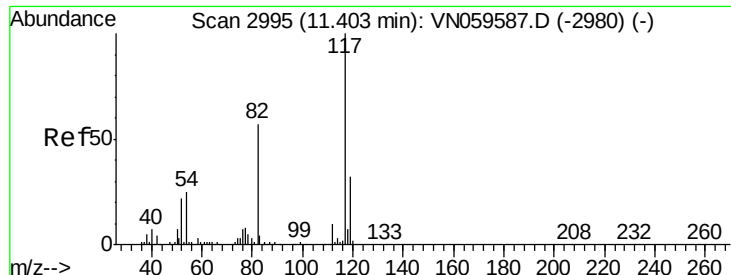
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#62
 4-Bromofluorobenzene
 Concen: 46.735 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Tgt Ion: 95 Resp: 161227
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 151.4
 176 73.5 0.0 146.0





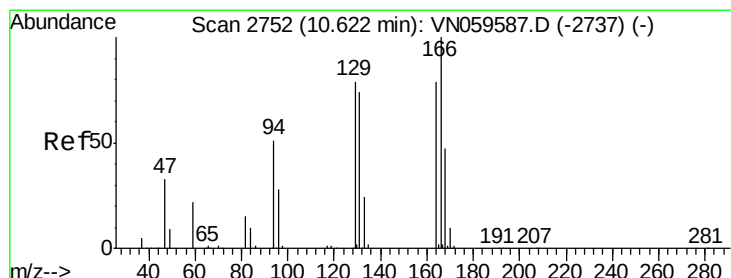
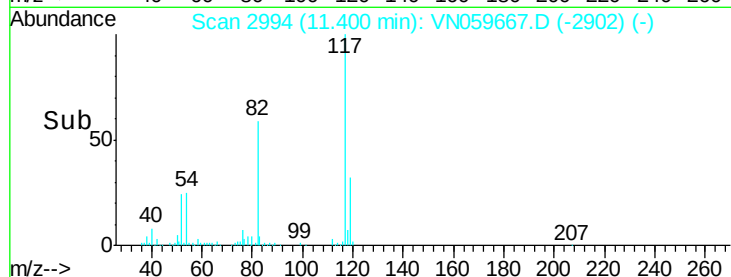
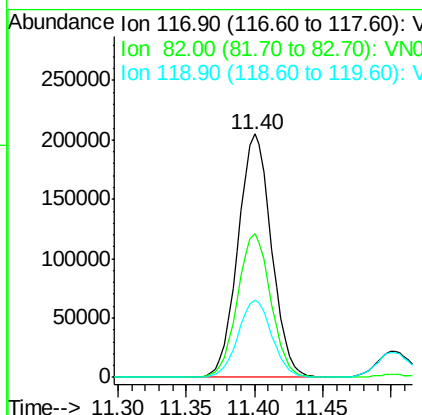
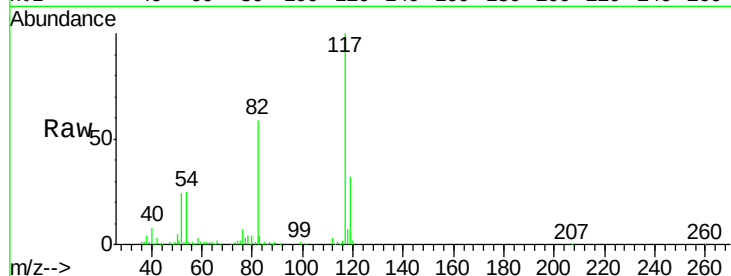
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	349279		
82	58.8		45.9	68.9
119	31.7		25.5	38.3

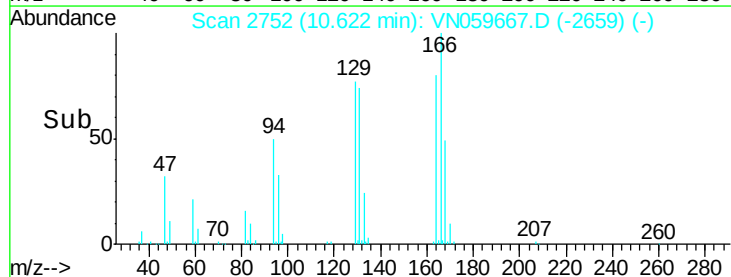
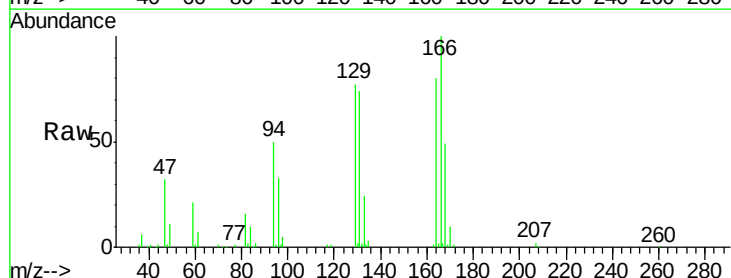
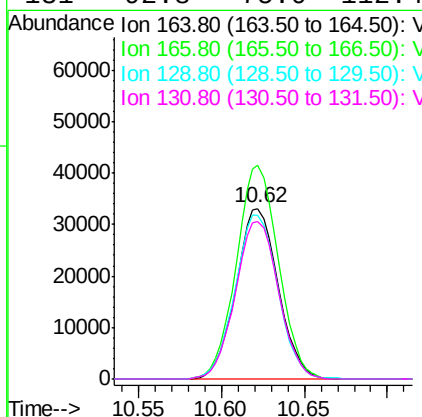
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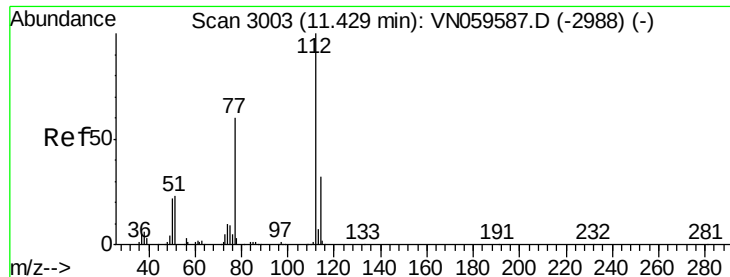
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#64
Tetrachloroethene
Concen: 18.003 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	58616		
166	125.4		101.4	152.0
129	95.9		80.2	120.4
131	92.8		75.0	112.4





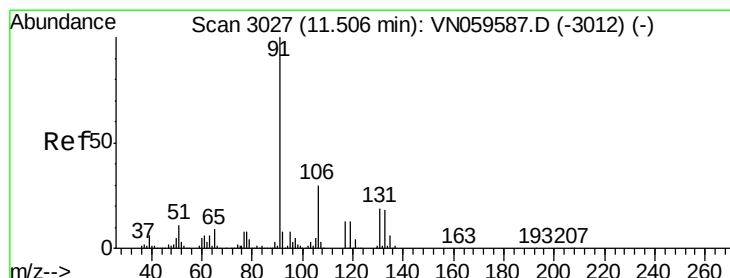
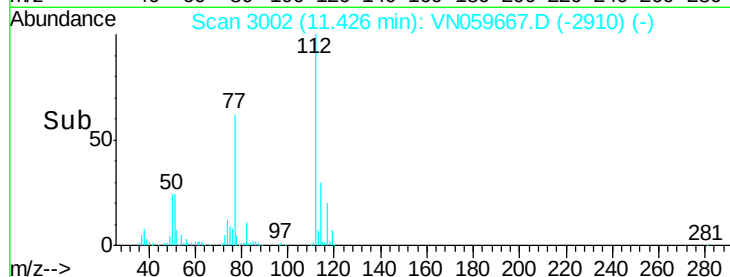
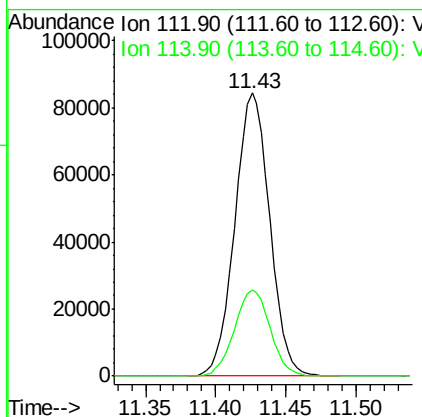
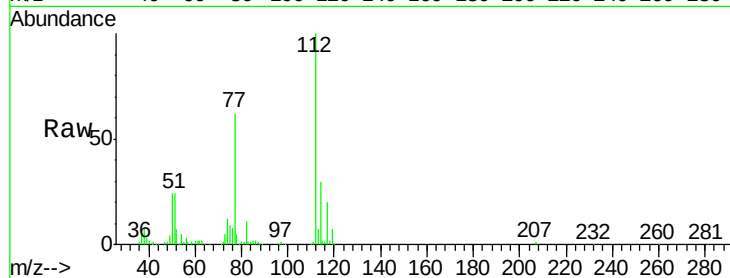
#65
Chlorobenzene
Concen: 19.343 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.3	25.8	38.8

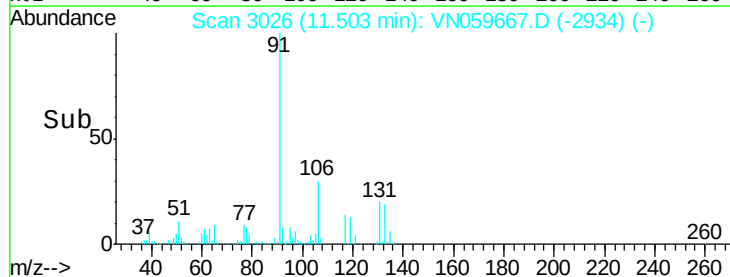
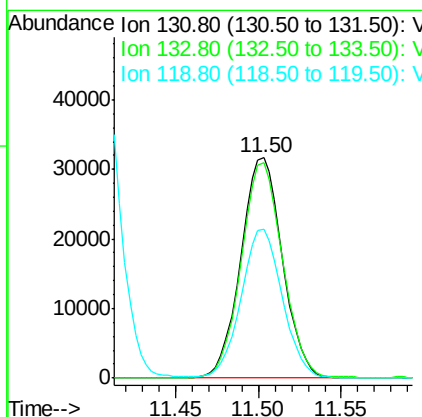
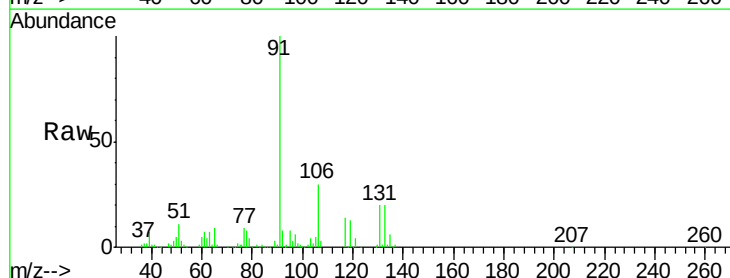
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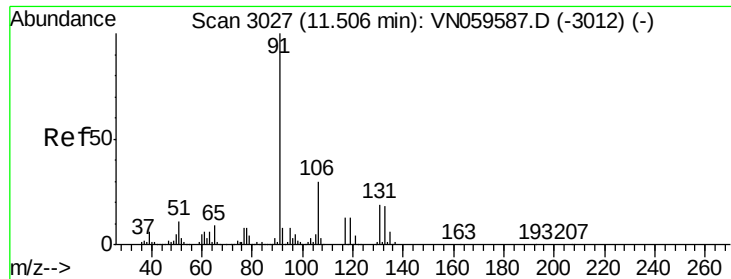
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.189 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.9	47.4	142.2
119	67.2	33.1	99.3





#67

Ethyl Benzene

Concen: 19.408 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

Tot Ion: 91 Resp: 264761

Ion Ratio Lower Upper

91 100

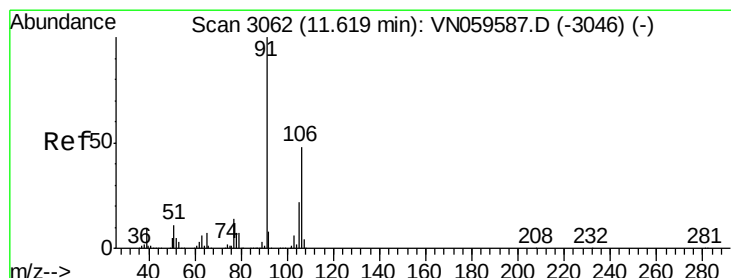
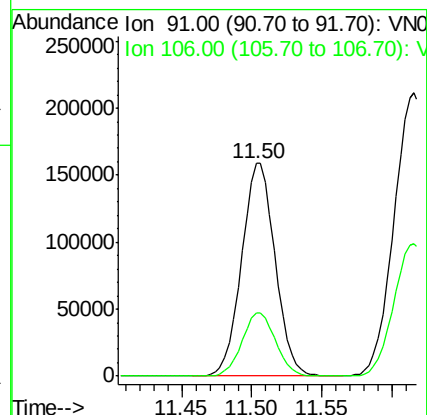
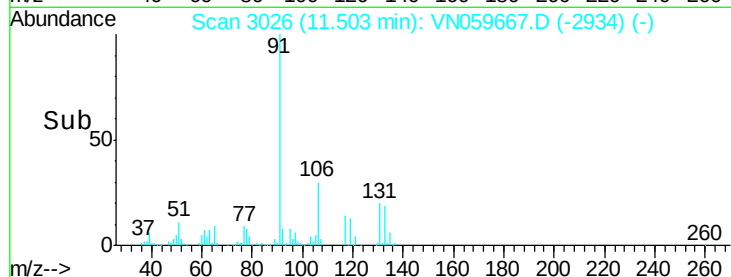
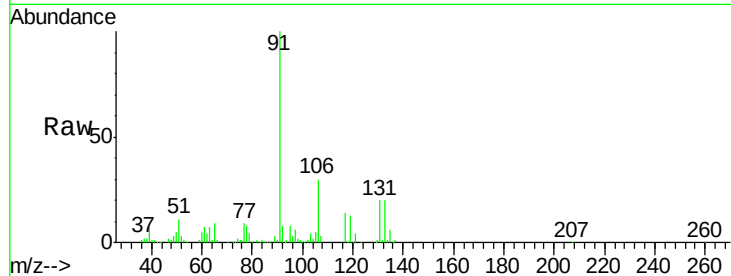
106 29.7 24.1 36.1

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#68

m/p-Xylenes

Concen: 38.216 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059667.D

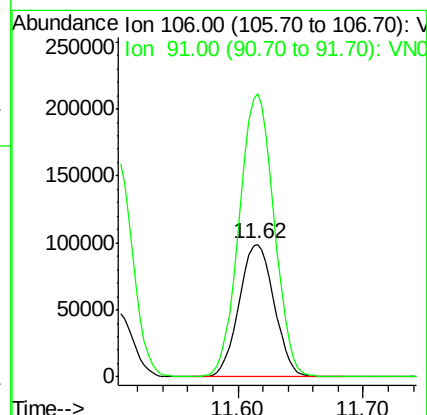
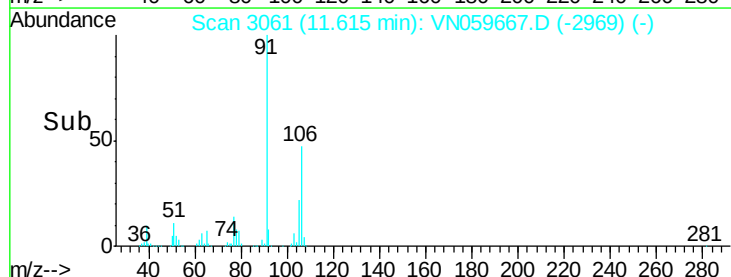
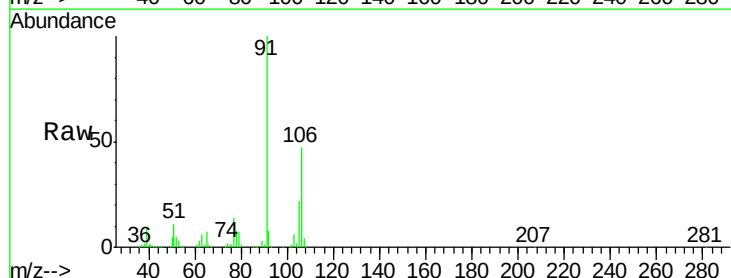
Acq: 19 Dec 2019 13:23

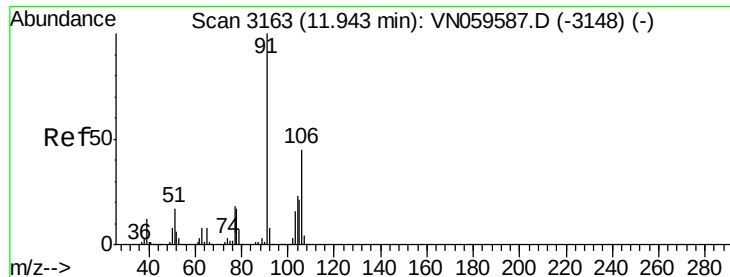
Tgt Ion: 106 Resp: 192513

Ion Ratio Lower Upper

106 100

91 211.4 167.9 251.9





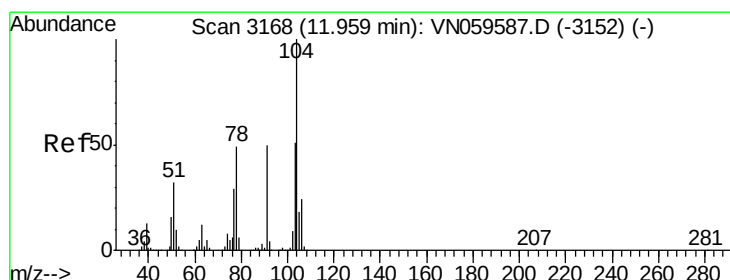
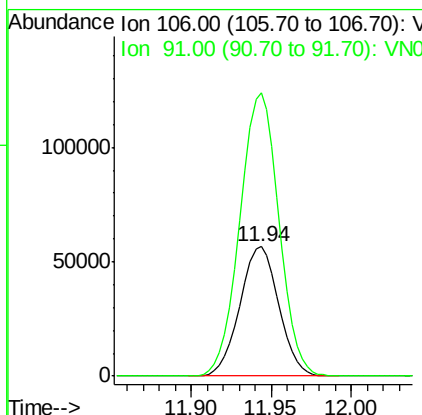
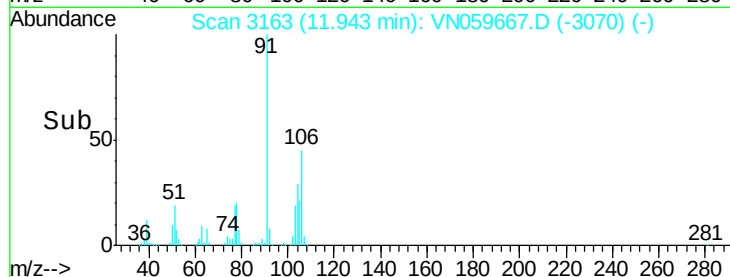
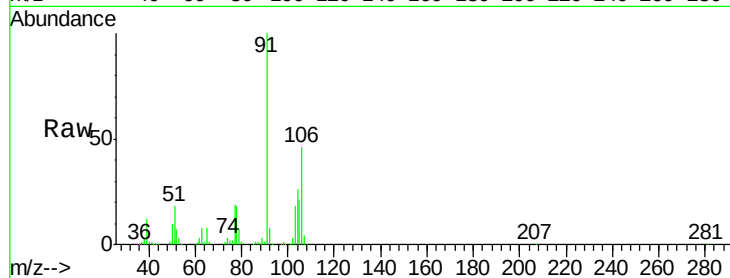
#69
o-Xylene
Concen: 19.498 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

Tot Ion:106 Resp: 93459
Ion Ratio Lower Upper
106 100
91 220.0 110.3 330.9

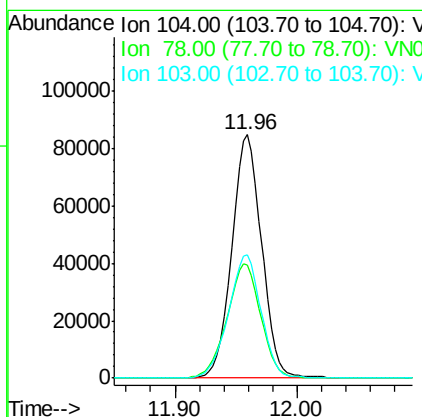
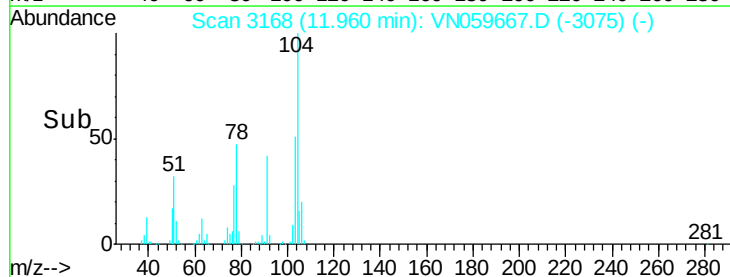
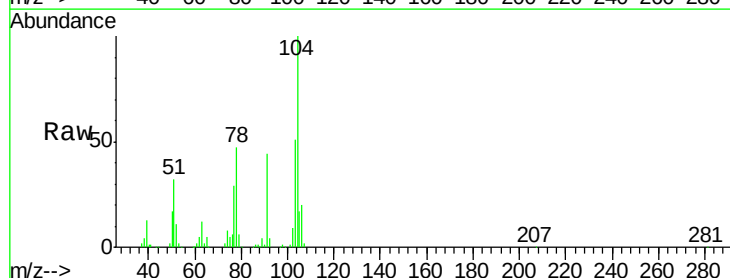
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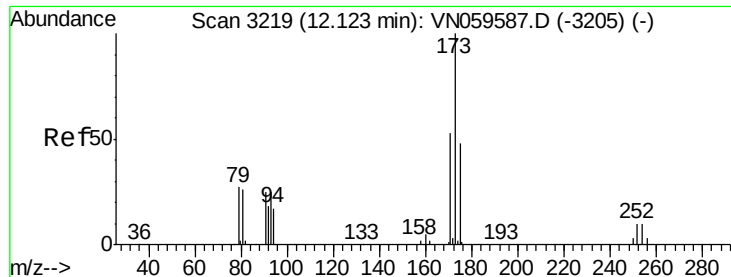
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#70
Styrene
Concen: 18.709 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion:104 Resp: 144082
Ion Ratio Lower Upper
104 100
78 53.4 42.4 63.6
103 55.7 43.9 65.9





#71

Bromoform

Concen: 22.662 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

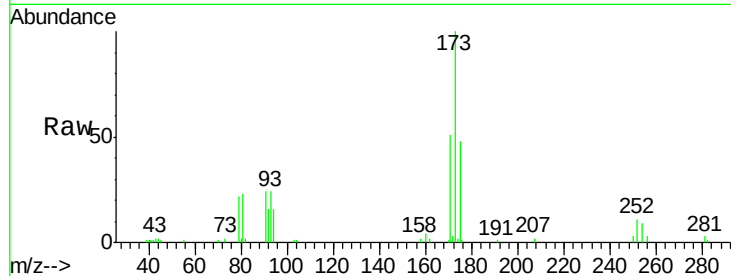
ClientSampleId :

VN1219WBS01

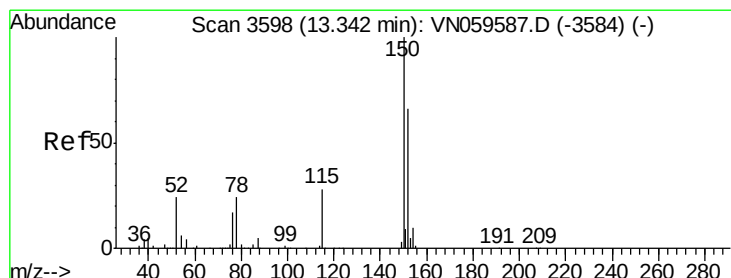
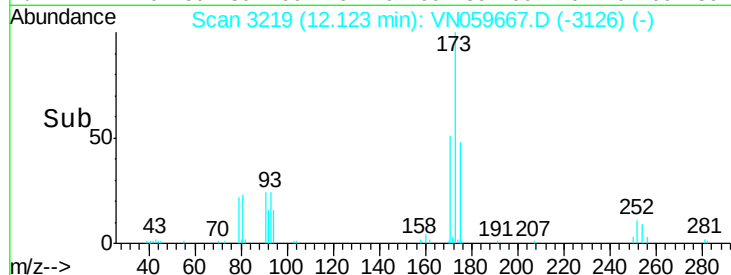
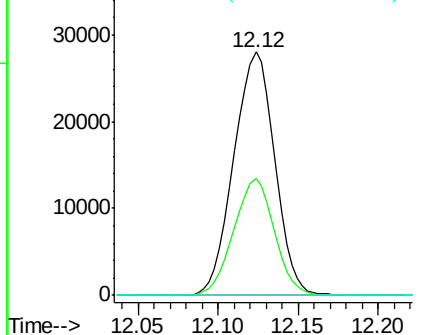
Tot Ion:	173	Resp:	48900
Ion Ratio	Lower	Upper	
173	100		
175	47.4	23.8	71.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

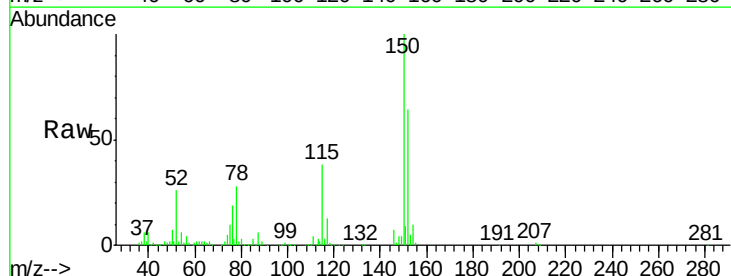
RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

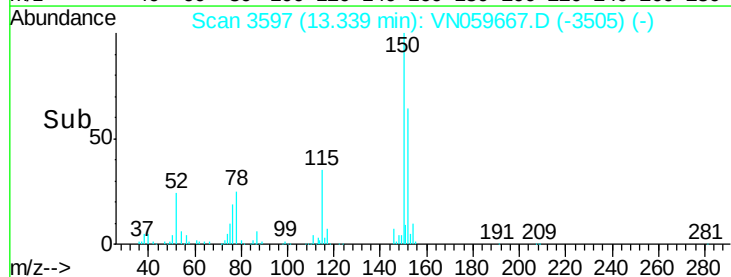
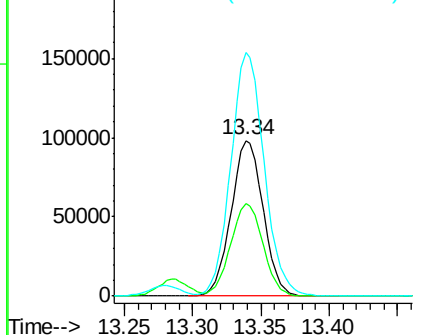
Lab File: VN059667.D

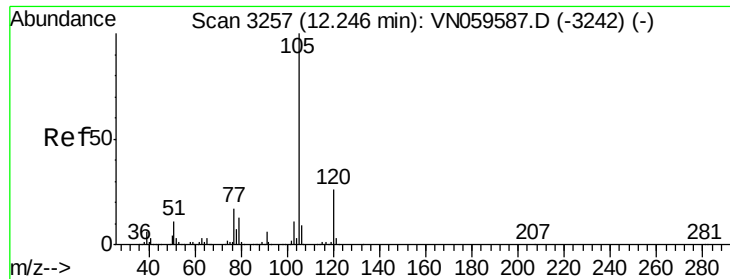
Acq: 19 Dec 2019 13:23

Tgt Ion:	152	Resp:	160292
Ion Ratio	Lower	Upper	
152	100		
115	60.6	30.3	90.9
150	162.5	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: 19.781 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

Tot Ion: 105 Resp: 248903

Ion Ratio Lower Upper

105 100

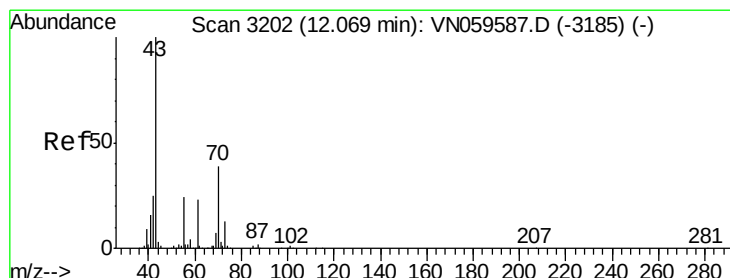
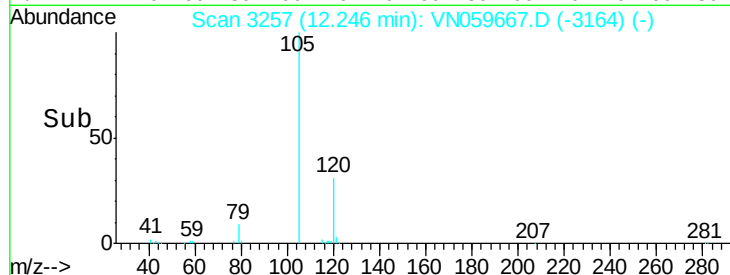
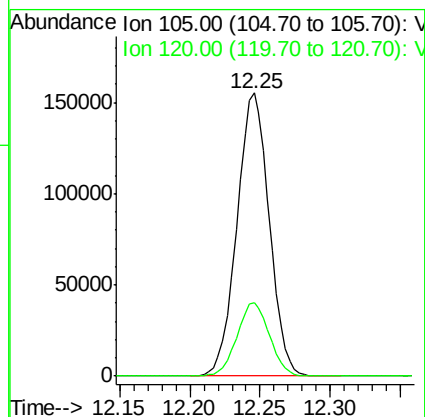
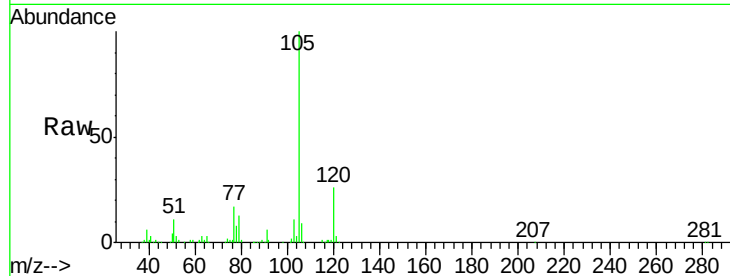
120 26.1 13.2 39.5

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#74

N-ethyl acetate

Concen: 21.913 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Tgt Ion: 43 Resp: 126477

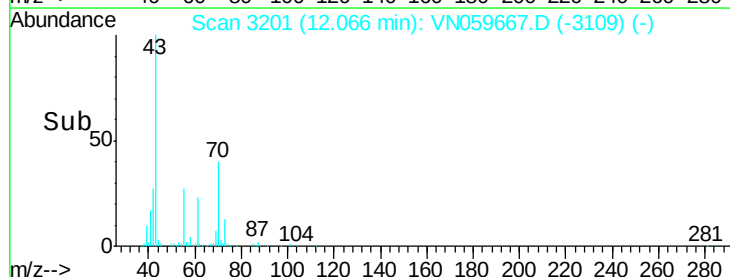
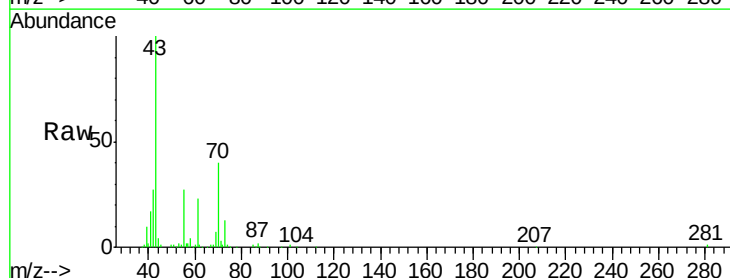
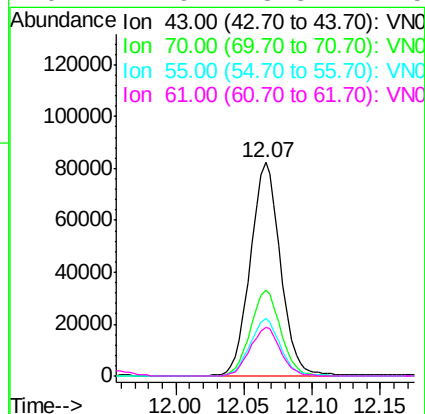
Ion Ratio Lower Upper

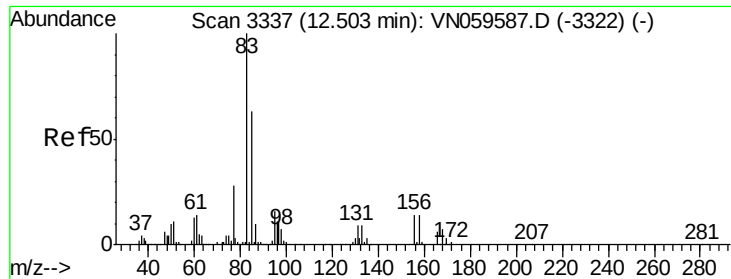
43 100

70 40.3 31.3 46.9

55 27.1 19.8 29.6

61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.737 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

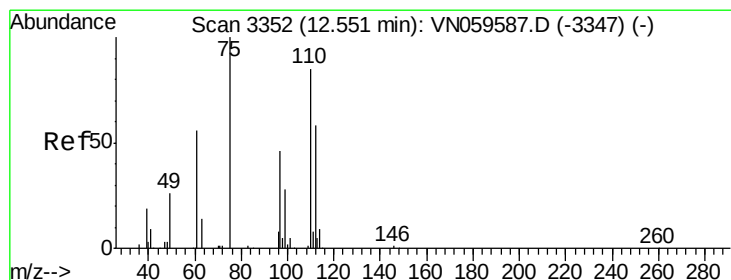
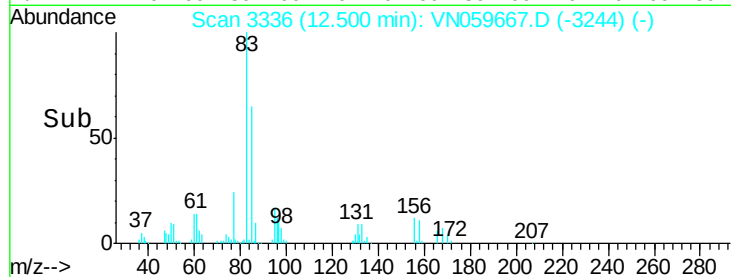
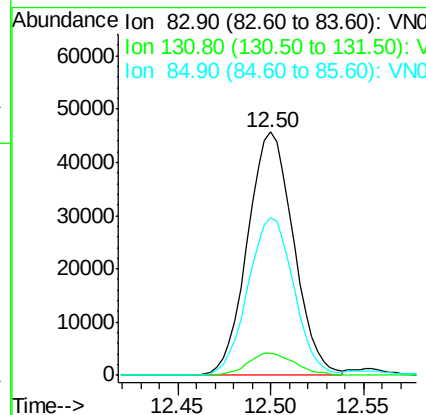
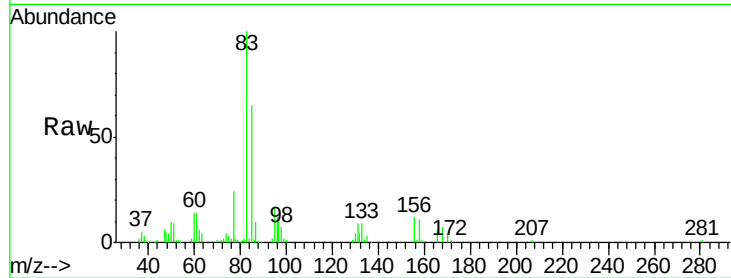
ClientSampleId :

VN1219WBS01

Tot Ion:	83	Resp:	78781
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.0	14.9
85	64.8	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 20.785 ug/l m

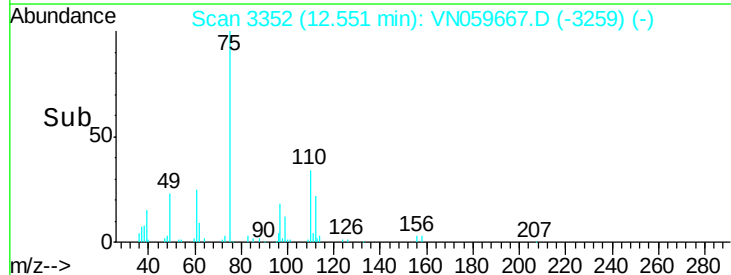
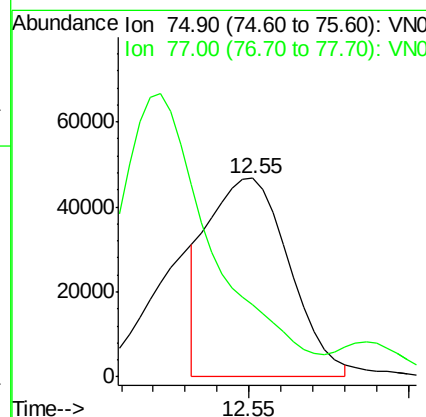
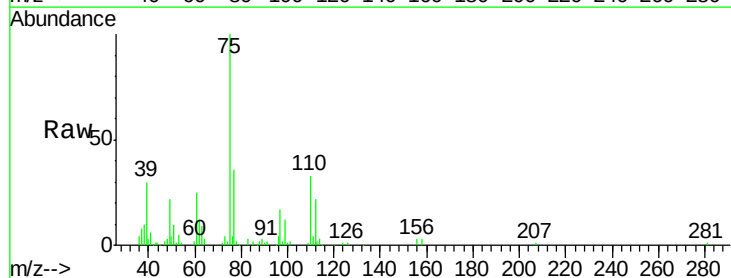
RT: 12.55 min Scan# 3352

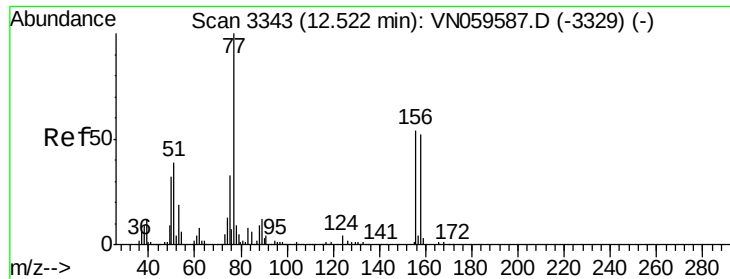
Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Tgt Ion:	75	Resp:	82476
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.211 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

Tot Ion:156 Resp: 59449

Ion Ratio Lower Upper

156 100

77 234.0 115.8 347.4

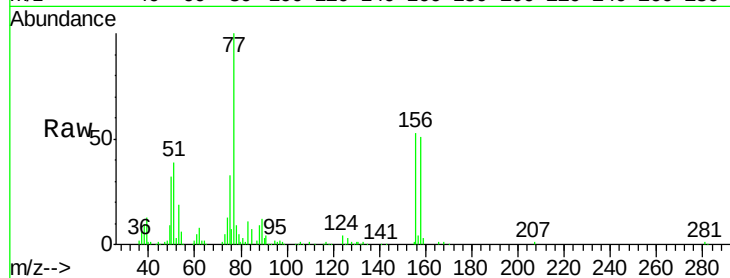
158 97.6 49.2 147.6

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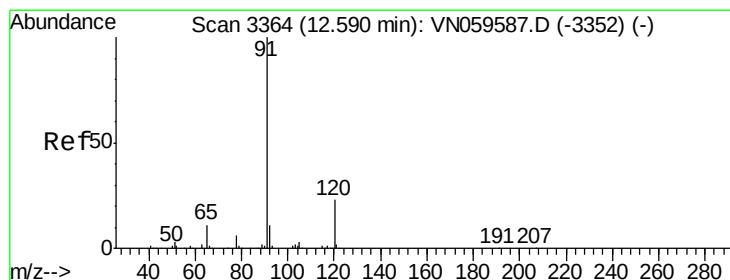
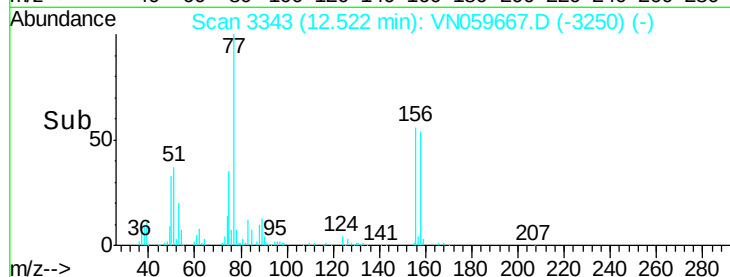
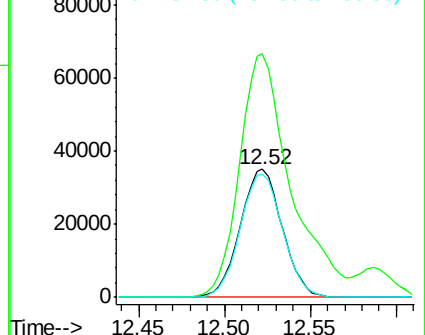
12/20/2019 9:20:23 AM



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: 19.930 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059667.D

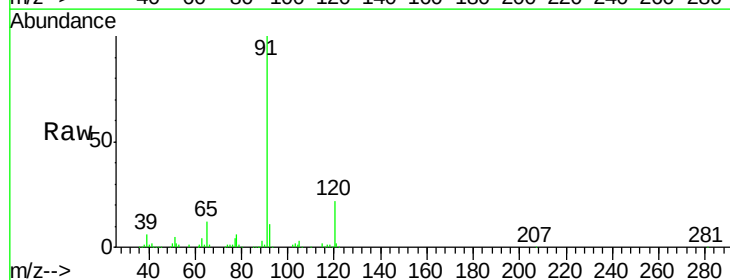
Acq: 19 Dec 2019 13:23

Tgt Ion: 91 Resp: 296444

Ion Ratio Lower Upper

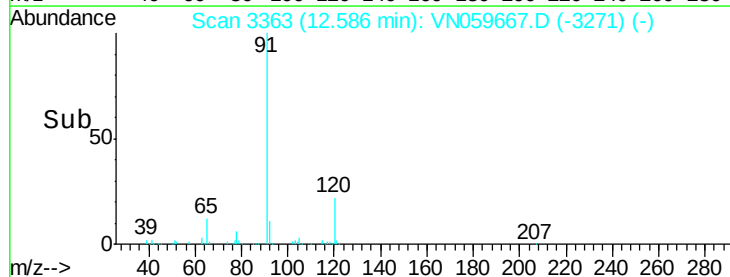
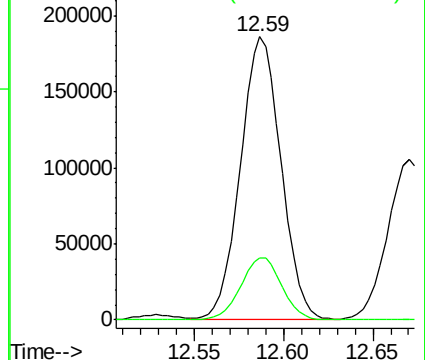
91 100

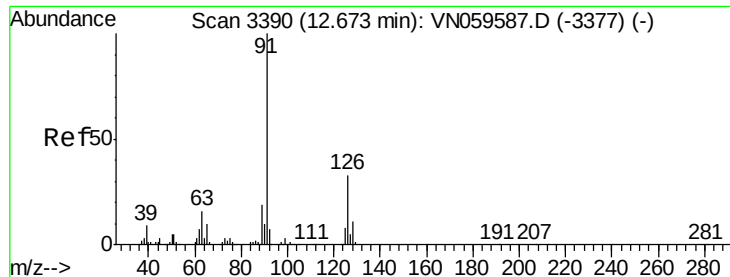
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.686 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

Tot Ion: 91 Resp: 177054

Ion Ratio Lower Upper

91 100

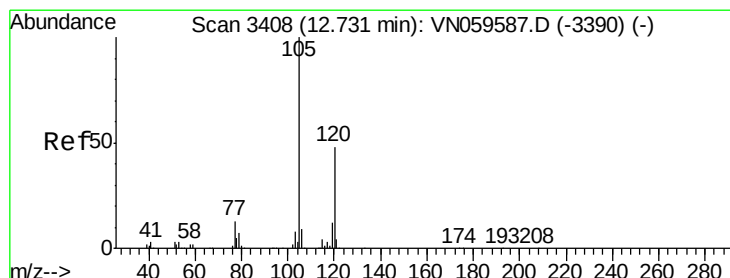
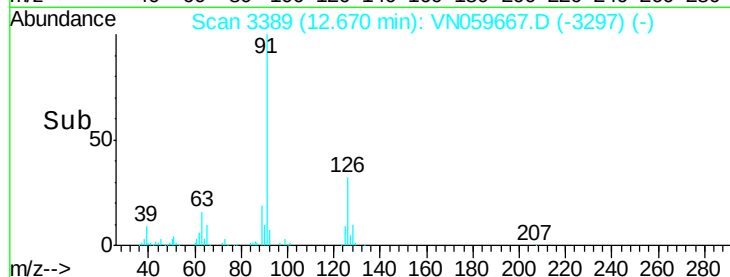
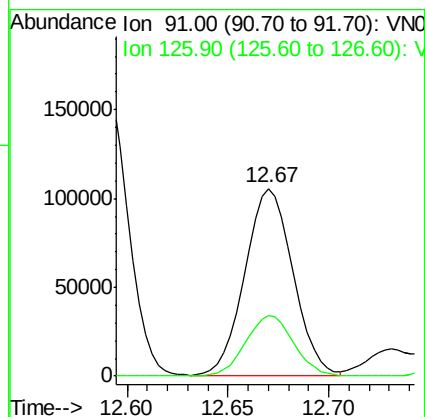
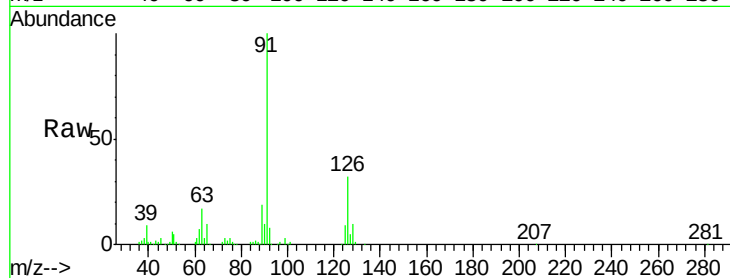
126 32.2 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 19.809 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN059667.D

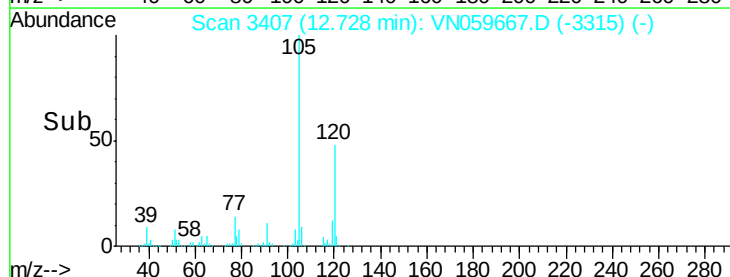
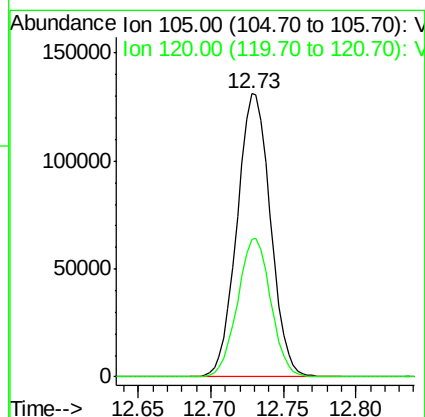
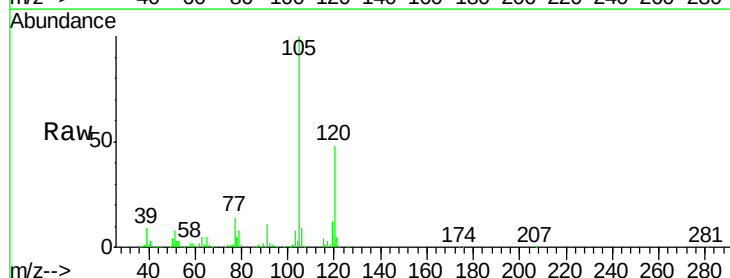
Acq: 19 Dec 2019 13:23

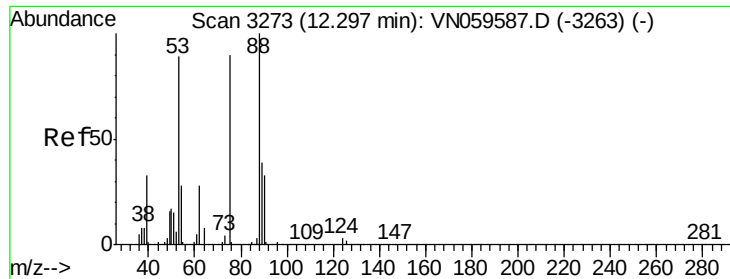
Tgt Ion: 105 Resp: 210938

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.381 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

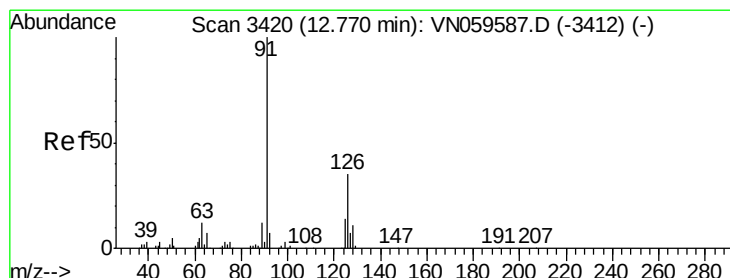
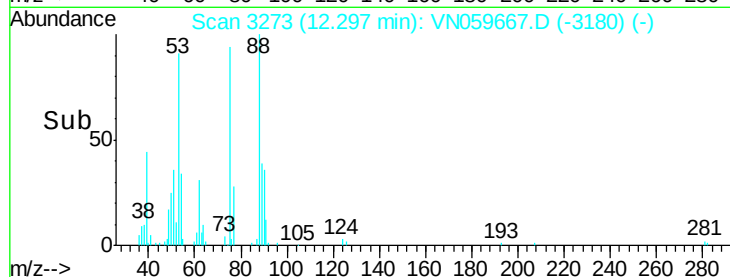
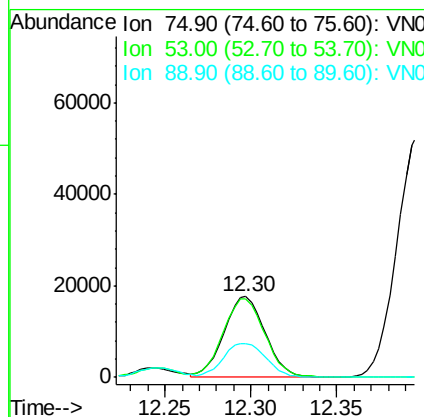
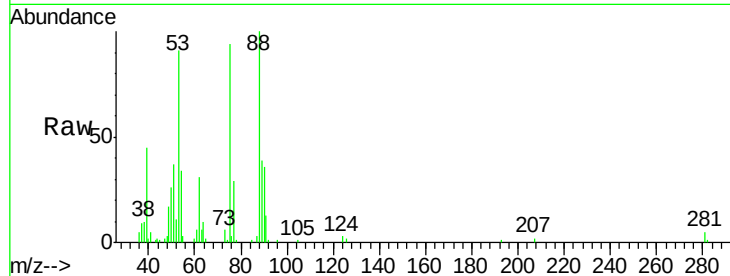
ClientSampleId :

VN1219WBS01

Tot Ion:	75	Resp:	29531
Ion	Ratio	Lower	Upper
75	100		
53	99.0	78.1	117.1
89	43.8	35.4	53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.646 ug/l

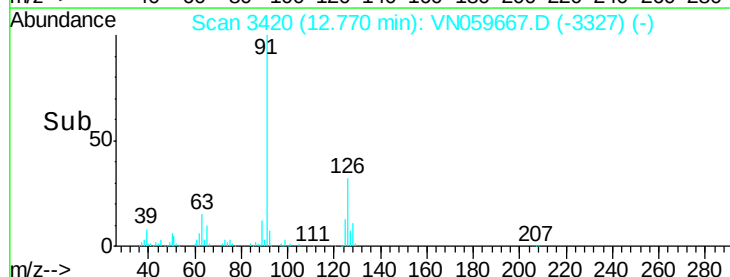
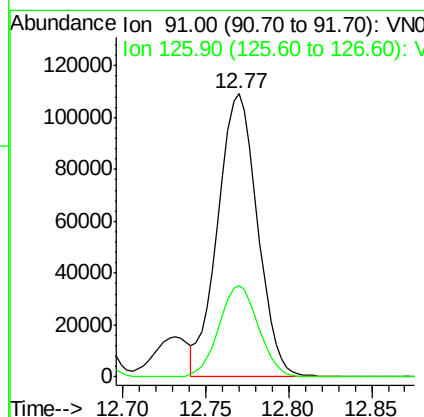
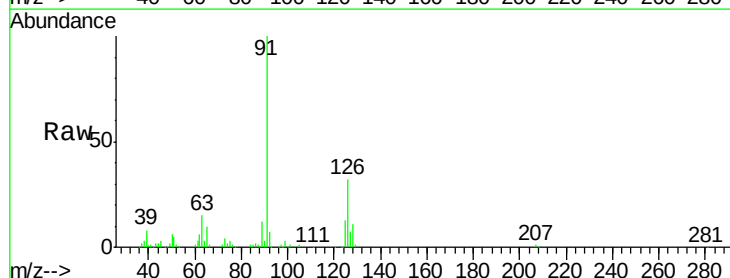
RT: 12.77 min Scan# 3420

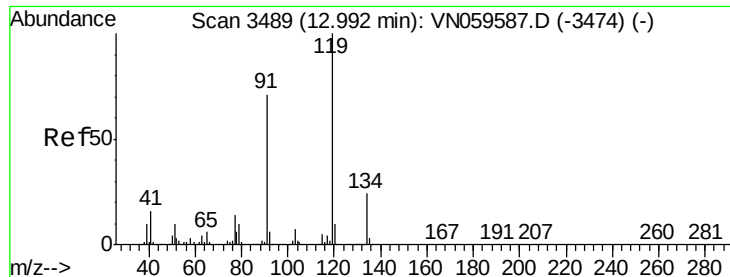
Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Tgt Ion:	91	Resp:	180918
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.3	48.8





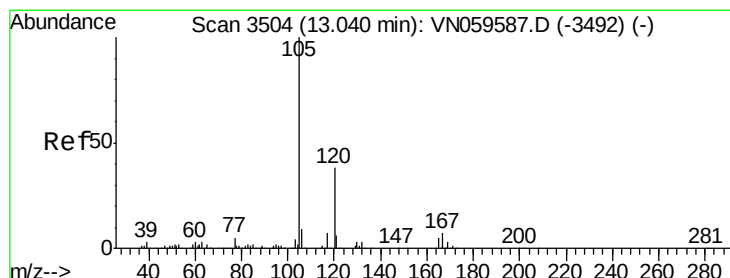
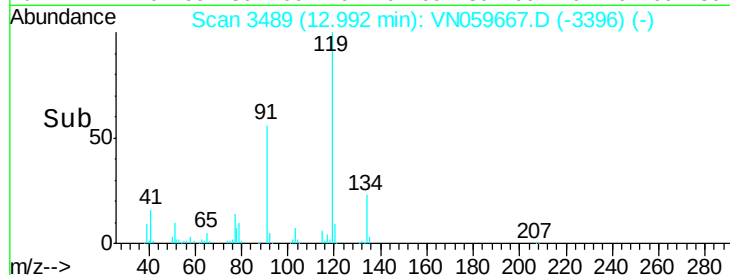
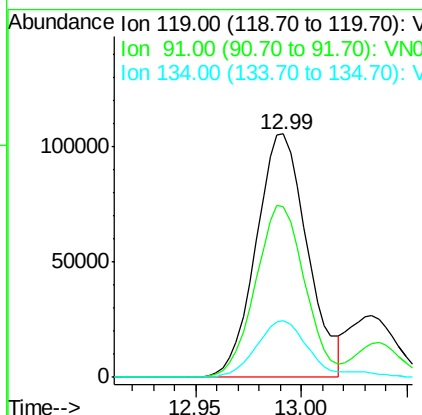
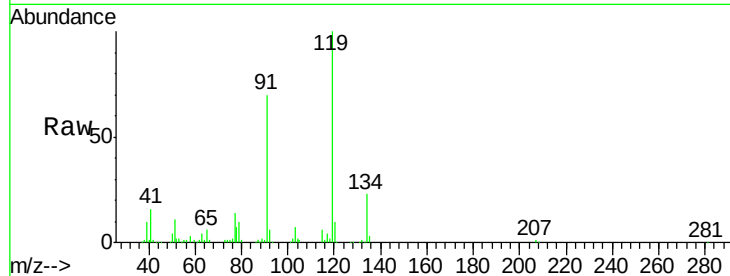
#83
 tert-Butylbenzene
 Concen: 19.794 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	34.8	104.4
134	23.1	12.3	36.9

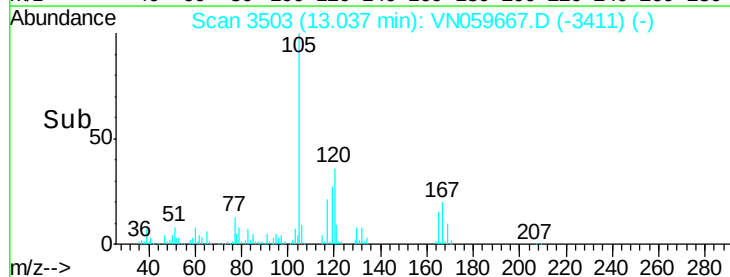
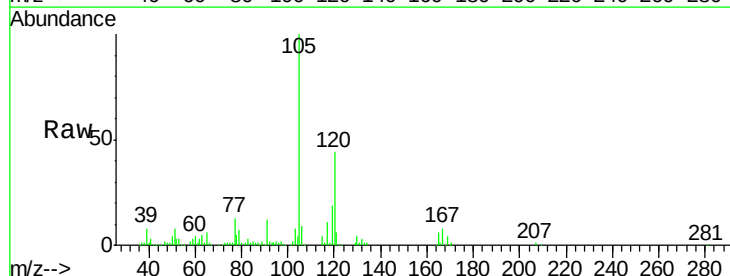
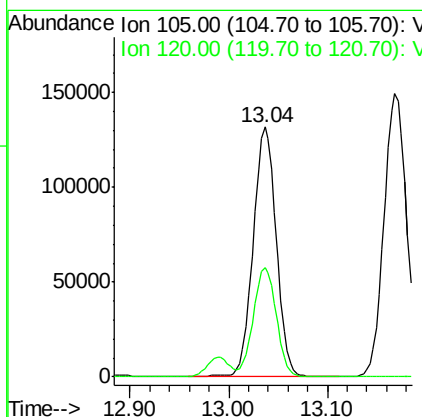
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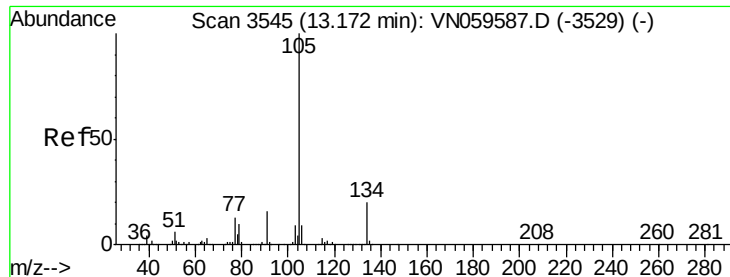
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.035 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.9





#85

sec-Butylbenzene

Concen: 19.887 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

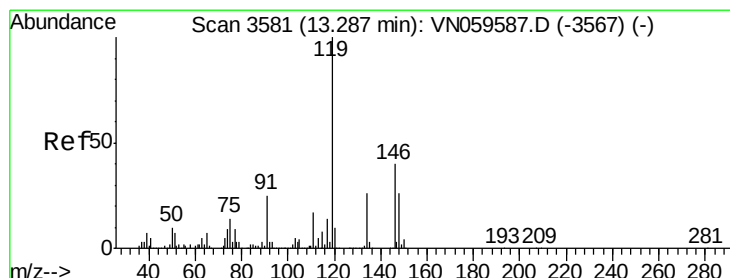
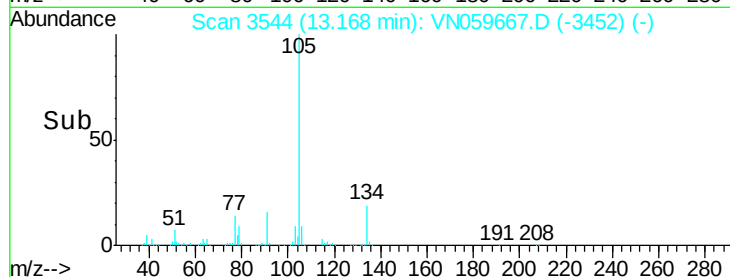
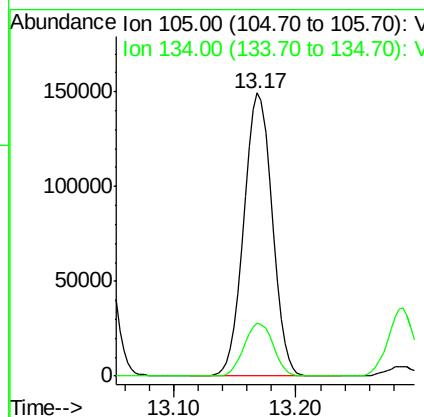
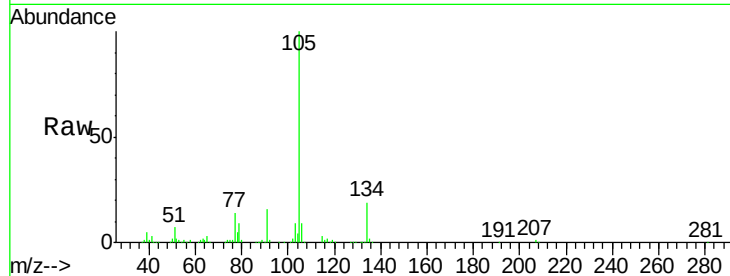
ClientSampleId :

VN1219WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.5

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#86

p-Isopropyltoluene

Concen: 19.667 ug/l

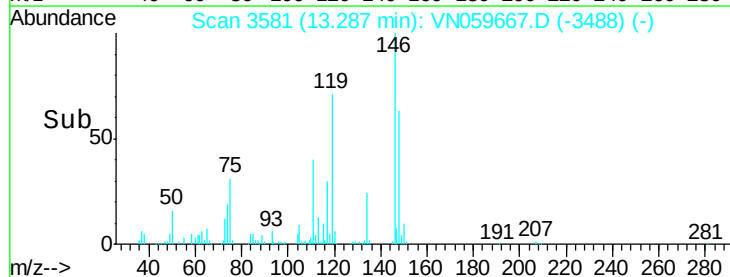
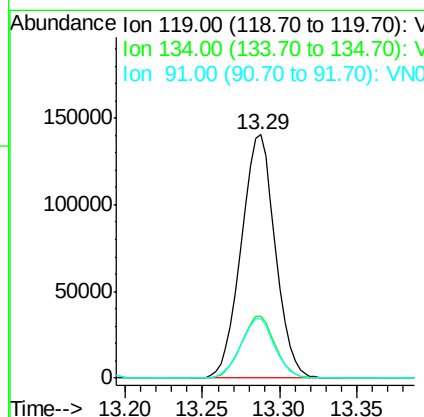
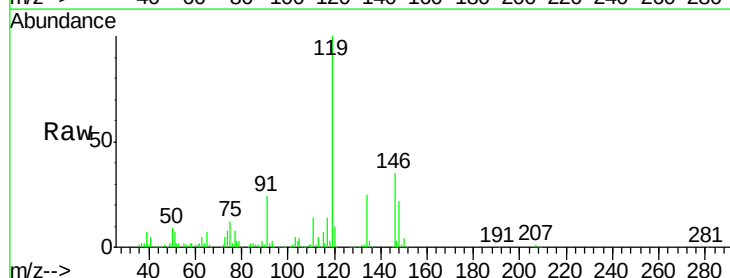
RT: 13.29 min Scan# 3581

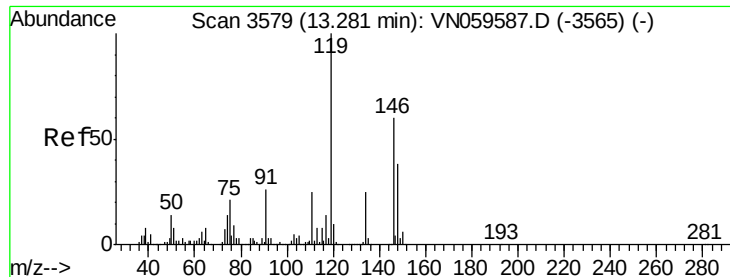
Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.7
91	24.5	12.4	37.4





#87

1,3-Dichlorobenzene

Concen: 18.786 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

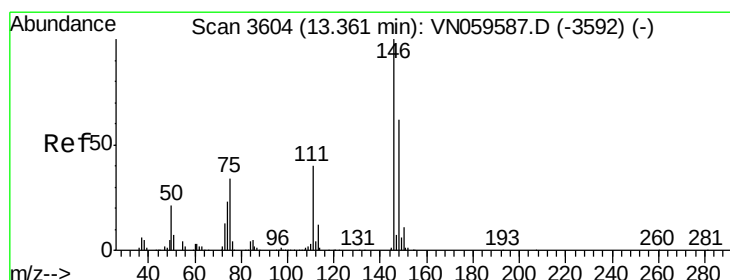
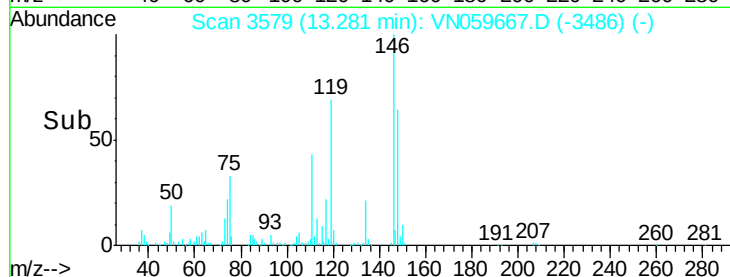
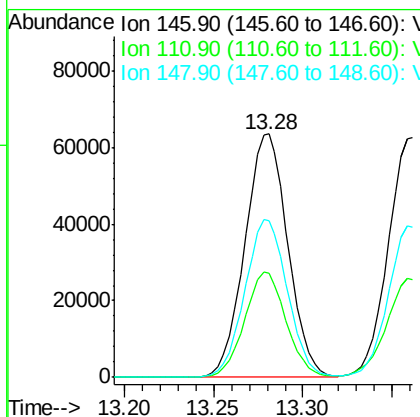
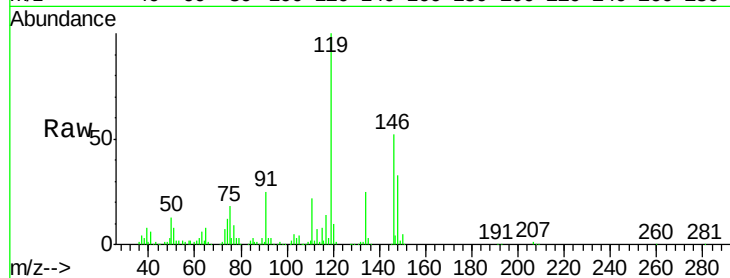
ClientSampleId :

VN1219WBS01

Tot Ion:	146	Resp:	106895
Ion Ratio	Lower	Upper	
146	100		
111	41.8	20.8	62.2
148	64.3	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 18.439 ug/l

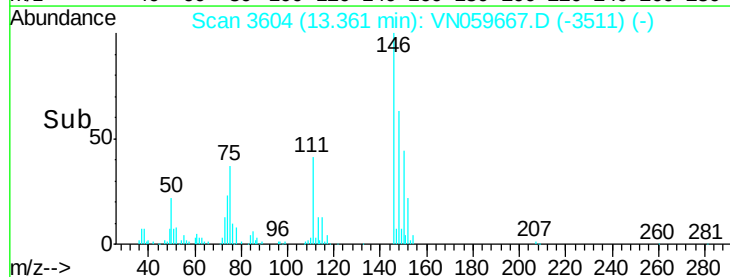
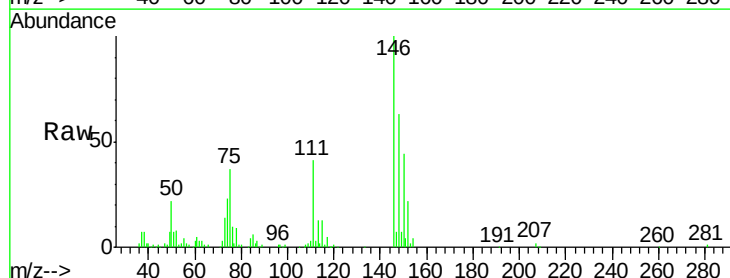
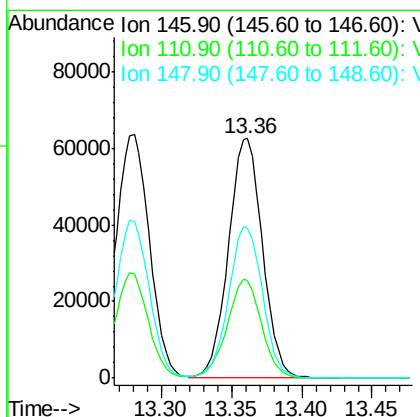
RT: 13.36 min Scan# 3604

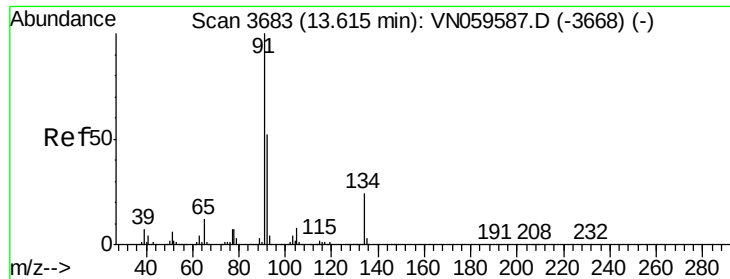
Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Tgt Ion:	146	Resp:	105786
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.8	62.2
148	63.2	31.8	95.4





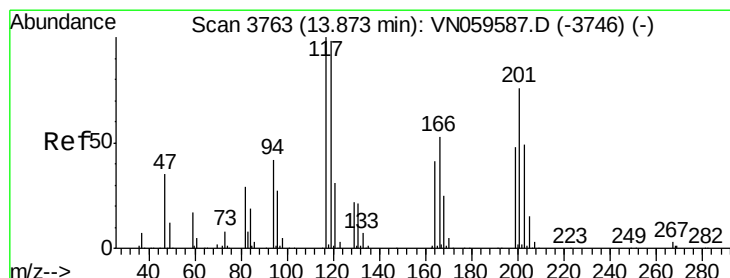
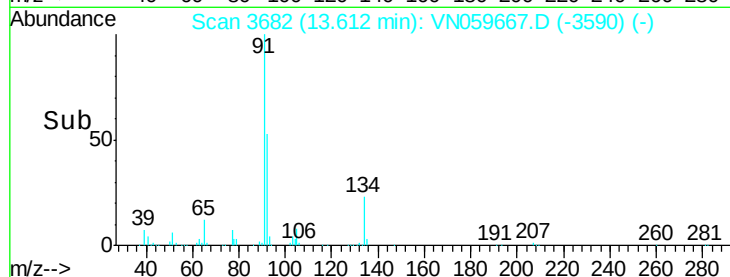
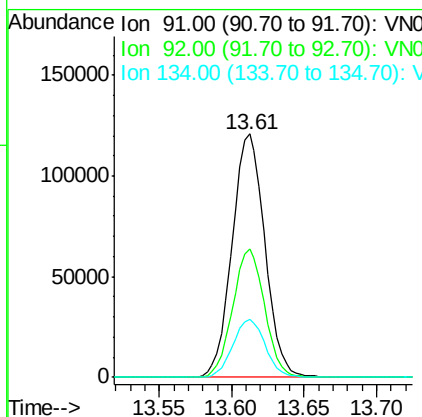
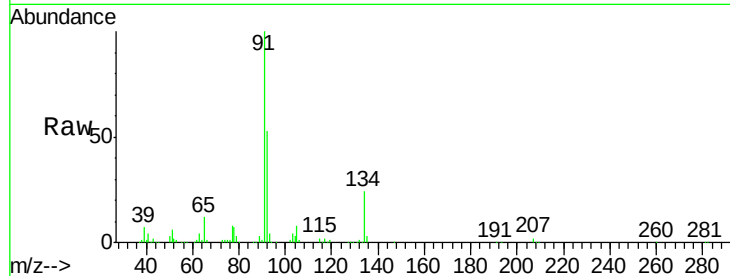
#89
n-Butylbenzene
Concen: 18.609 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		189544		
92	51.3	25.9	77.7		
134	23.6	12.3	36.8		

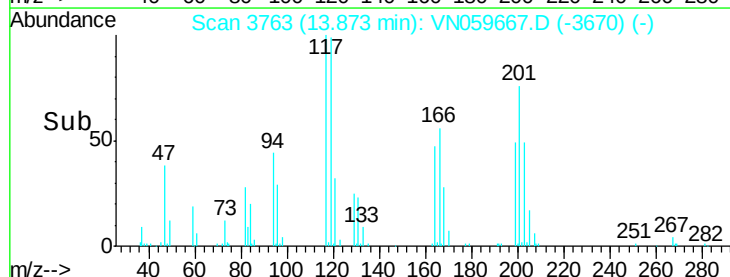
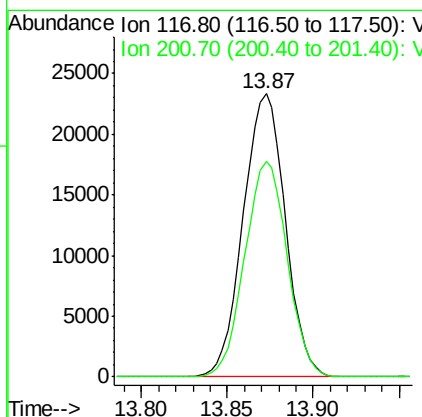
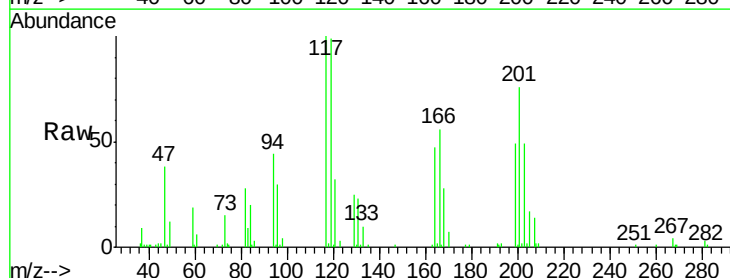
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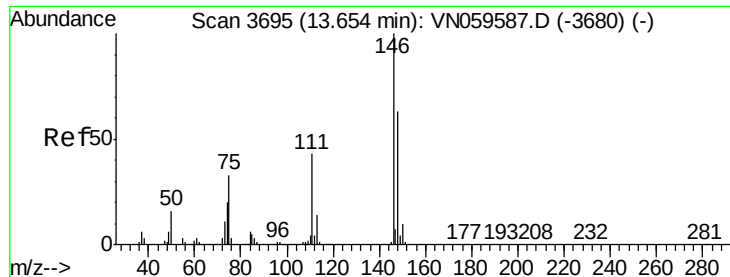
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#90
Hexachloroethane
Concen: 19.337 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		39710		
201	76.6	37.8	113.4		





#91

1,2-Dichlorobenzene

Concen: 18.643 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

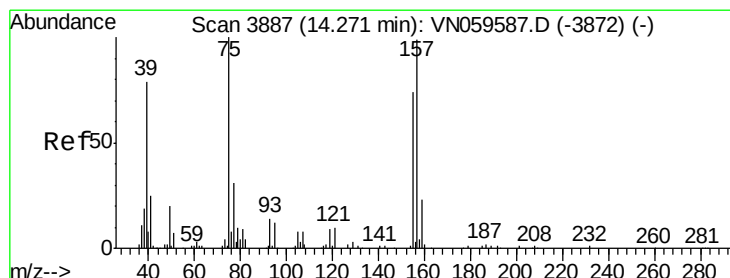
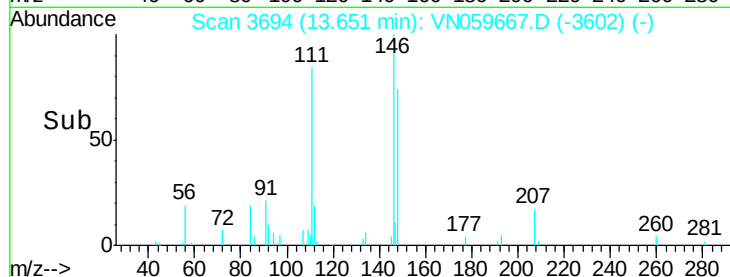
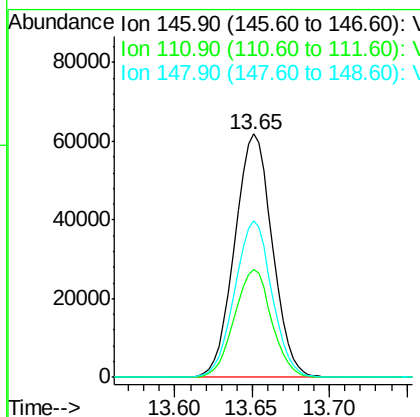
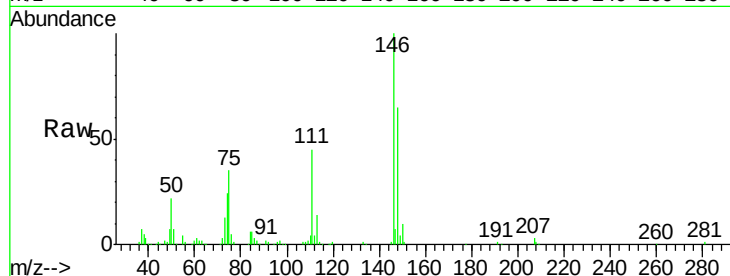
ClientSampleId :

VN1219WBS01

Tot Ion:	146	Resp:	104618
Ion Ratio	Lower	Upper	
146	100		
111	43.8	21.6	64.8
148	63.7	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.250 ug/l

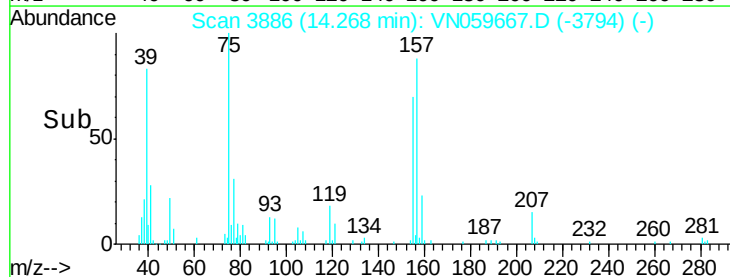
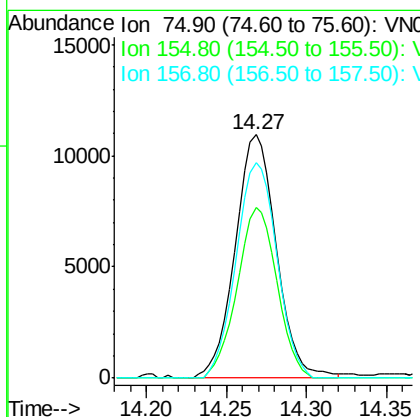
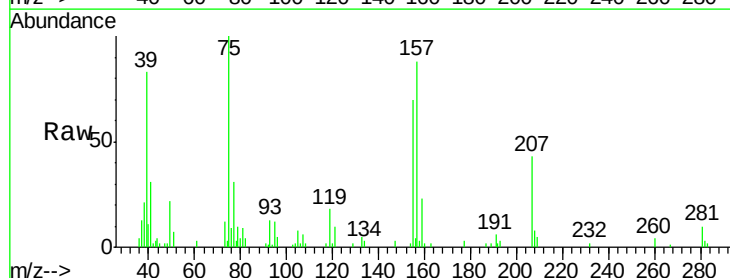
RT: 14.27 min Scan# 3886

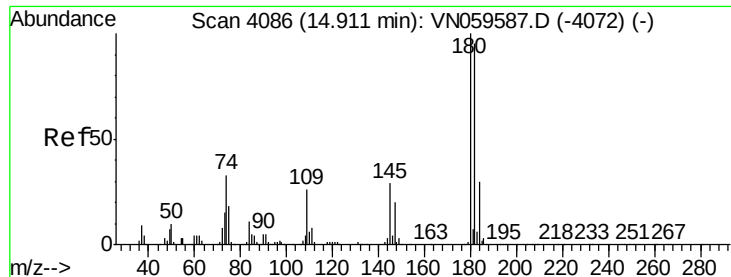
Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Tgt Ion:	75	Resp:	19166
Ion Ratio	Lower	Upper	
75	100		
155	67.6	37.0	110.9
157	87.5	48.4	145.2





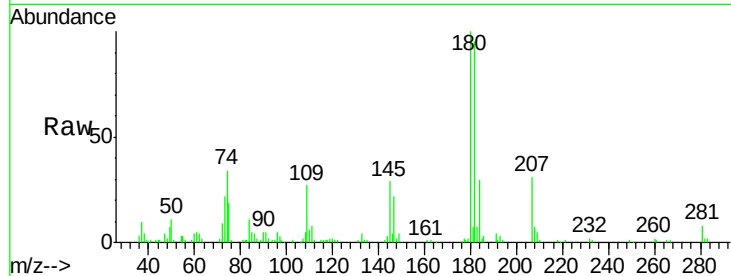
#93
 1,2,4-Trichlorobenzene
 Concen: 16.615 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

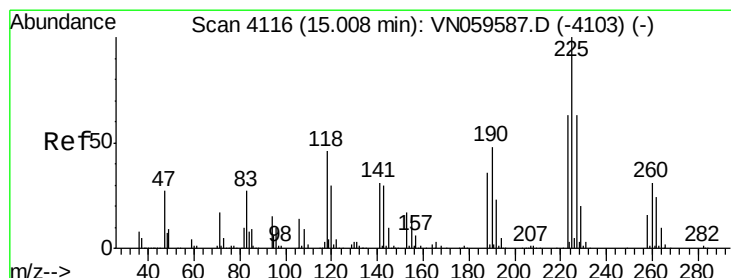
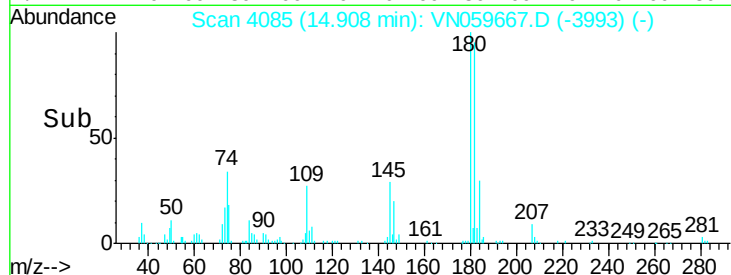
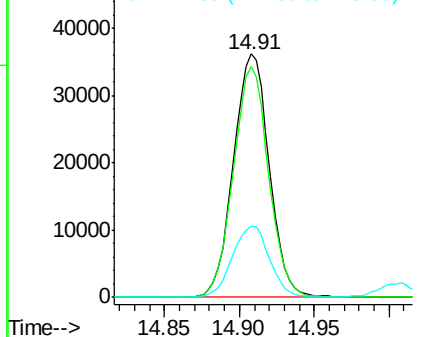
Tot Ion	Ratio	Resp	Lower	Upper
180	100	60206		
182	93.5	46.9	140.7	
145	30.4	15.0	45.1	

Manual Integrations
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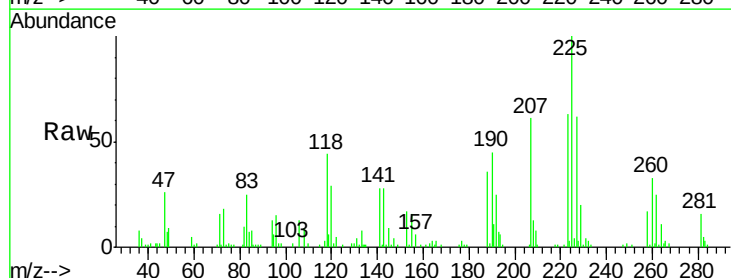


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

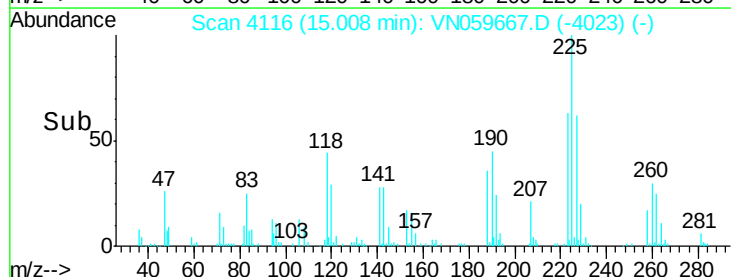
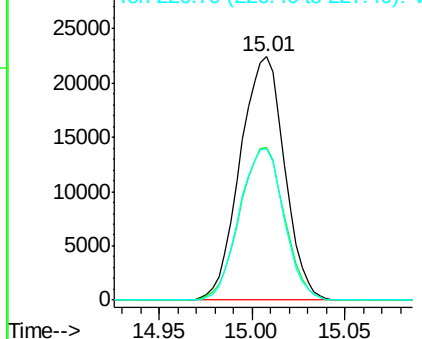


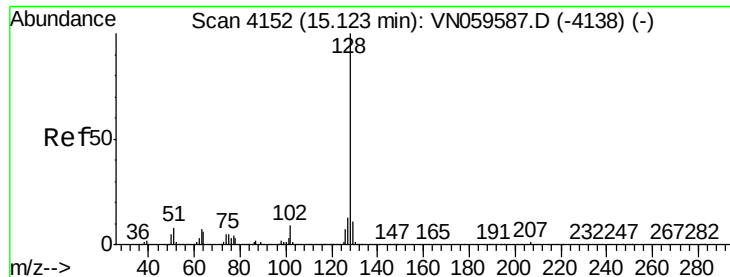
#94
 Hexachlorobutadiene
 Concen: 20.015 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	37327		
223	62.9	31.8	95.3	
227	62.0	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





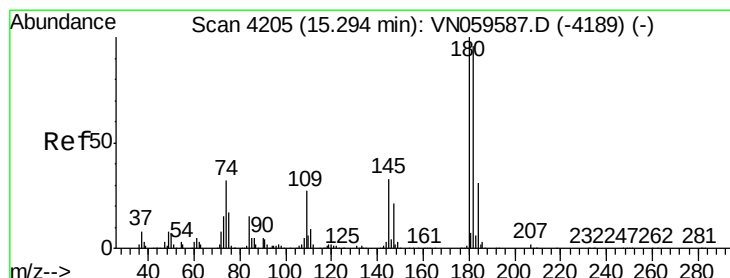
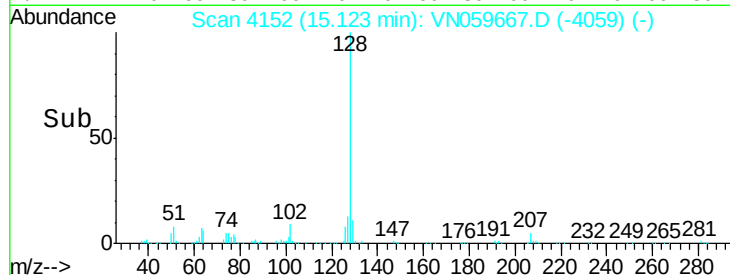
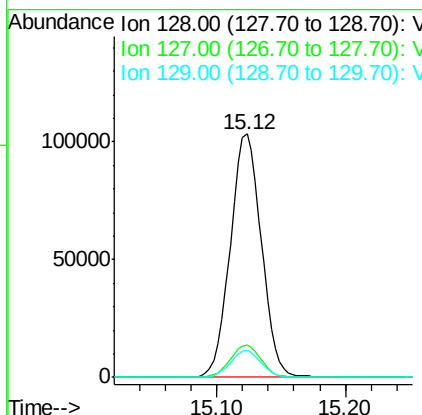
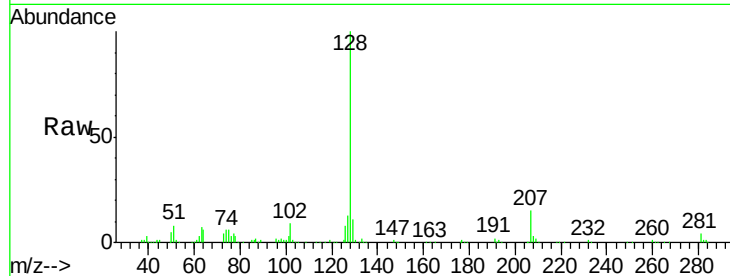
#95
Naphthalene
Concen: 15.982 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	172888		
127	13.1		10.4	15.6
129	10.8		8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 16.367 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	59987		
182	96.3		47.4	142.3
145	32.3		16.3	48.9

