

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\
 Data File : VN060157.D
 Acq On : 19 Feb 2020 15:40
 Operator : JC/MD
 Sample : VN0219WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 11:48:35 AM

Quant Time: Feb 20 03:14:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	176287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	282545	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	266425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128071	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	107835	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
35) Dibromofluoromethane	7.57	113	87614	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.08	98	335043	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.40	95	119926	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	35240	19.999	ug/l	99
3) Chloromethane	2.04	50	42533	20.283	ug/l	99
4) Vinyl Chloride	2.17	62	47085	19.699	ug/l	100
5) Bromomethane	2.55	94	28554	19.483	ug/l	96
6) Chloroethane	2.69	64	23841	19.721	ug/l	98
7) Trichlorofluoromethane	3.00	101	60224	19.543	ug/l	98
8) Diethyl Ether	3.39	74	19989	19.486	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33456	19.554	ug/l	98
10) Methyl Iodide	3.93	142	44545	20.898	ug/l	99
11) Tert butyl alcohol	4.73	59	33614	104.715	ug/l	100
12) 1,1-Dichloroethene	3.72	96	32997	19.798	ug/l	99
13) Acrolein	3.58	56	29555	93.147	ug/l	96
14) Allyl chloride	4.30	41	51791	21.112	ug/l	89
15) Acrylonitrile	4.95	53	84296	107.529	ug/l	98
16) Acetone	3.78	43	73986	79.071	ug/l	99
17) Carbon Disulfide	4.03	76	92345	18.382	ug/l	100
18) Methyl Acetate	4.29	43	41668	23.706	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	111350	19.866	ug/l	100
20) Methylene Chloride	4.52	84	36652	19.634	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	35671	19.633	ug/l	93
22) Diisopropyl ether	5.92	45	106343	19.780	ug/l	99
23) Vinyl Acetate	5.86	43	443130	98.149	ug/l	99
24) 1,1-Dichloroethane	5.82	63	64483	19.799	ug/l	99
25) 2-Butanone	6.80	43	111160	94.460	ug/l	96
26) 2,2-Dichloropropane	6.80	77	56491	18.261	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	41860	19.687	ug/l	98
28) Bromochloromethane	7.17	49	23851	18.628	ug/l	97
29) Tetrahydrofuran	7.18	42	74812	103.627	ug/l	99
30) Chloroform	7.35	83	67894	19.900	ug/l	100
31) Cyclohexane	7.63	56	58965	19.435	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	61976	19.879	ug/l	99
36) 1,1-Dichloropropene	7.77	75	49540	18.930	ug/l	99
37) Ethyl Acetate	6.90	43	47254	19.979	ug/l	99
38) Carbon Tetrachloride	7.75	117	53765	18.917	ug/l	96

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 2/21/2020 11:48:35 AM

Quant Time: Feb 20 03:14:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	59660	18.365	ug/l	96
40) Benzene	8.02	78	149316	19.234	ug/l	99
41) Methacrylonitrile	7.15	41	19434m	19.593	ug/l	
42) 1,2-Dichloroethane	8.10	62	53738	19.750	ug/l	100
43) Isopropyl Acetate	8.14	43	80647	19.947	ug/l	98
44) Trichloroethene	8.82	130	40658	18.914	ug/l	97
45) 1,2-Dichloropropane	9.10	63	38746	20.160	ug/l	97
46) Dibromomethane	9.19	93	26493	19.506	ug/l	98
47) Bromodichloromethane	9.39	83	53511	19.379	ug/l	98
48) Methyl methacrylate	9.18	41	34346	18.934	ug/l	98
49) 1,4-Dioxane	9.18	88	13568	437.759	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	240843	102.914	ug/l	100
52) Toluene	10.14	92	94981	19.079	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	59027	18.938	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	64063	19.519	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	37721	19.422	ug/l	98
56) Ethyl methacrylate	10.42	69	54036	19.668	ug/l	97
57) 1,3-Dichloropropane	10.70	76	62724	19.573	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	124110	96.966	ug/l	99
59) 2-Hexanone	10.74	43	177250	98.049	ug/l	98
60) Dibromochloromethane	10.89	129	42286	18.973	ug/l	98
61) 1,2-Dibromoethane	10.99	107	38577	18.948	ug/l	96
64) Tetrachloroethene	10.62	164	34869	17.216	ug/l	99
65) Chlorobenzene	11.43	112	101852	18.764	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	39235	19.107	ug/l	99
67) Ethyl Benzene	11.50	91	181629	18.553	ug/l	99
68) m/p-Xylenes	11.62	106	136058	37.030	ug/l	100
69) o-Xylene	11.94	106	65755	18.587	ug/l	99
70) Styrene	11.96	104	104662	18.346	ug/l	99
71) Bromoform	12.12	173	30810	18.655	ug/l #	99
73) Isopropylbenzene	12.24	105	176722	18.478	ug/l	99
74) N-amyl acetate	12.06	43	67309	19.518	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	56178	20.408	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	49145m	20.057	ug/l	
77) Bromobenzene	12.52	156	44959	18.943	ug/l	99
78) n-propylbenzene	12.59	91	200499	18.401	ug/l	99
79) 2-Chlorotoluene	12.67	91	118502	18.503	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	148919	18.728	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	18654	18.641	ug/l	98
82) 4-Chlorotoluene	12.77	91	121649	18.514	ug/l	98
83) tert-Butylbenzene	12.99	119	129489	18.408	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	147279	18.763	ug/l	100
85) sec-Butylbenzene	13.17	105	171077	18.364	ug/l	100
86) p-Isopropyltoluene	13.28	119	156150	18.500	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	77985	18.562	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	76035	18.102	ug/l	97
89) n-Butylbenzene	13.61	91	132208	17.808	ug/l	100
90) Hexachloroethane	13.87	117	29156	18.490	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	77564	18.865	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11478	19.134	ug/l	98

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ClientSampleId :
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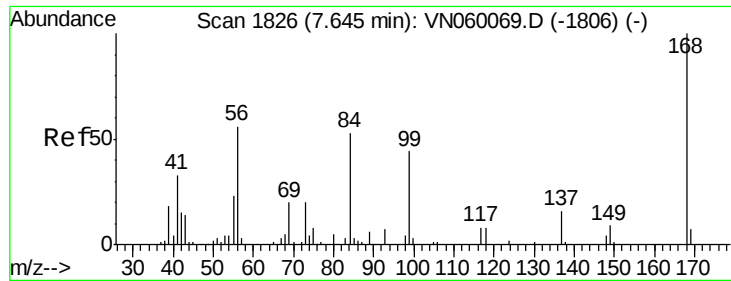
Manual Integrations
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2/21/2020 11:48:35 AM

Quant Time: Feb 20 03:14:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	44346	18.357	ug/l	98
94) Hexachlorobutadiene	15.00	225	24716	17.476	ug/l	99
95) Naphthalene	15.13	128	120219	18.422	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45196	18.787	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion:168 Resp: 176287

Ion Ratio Lower Upper

168 100

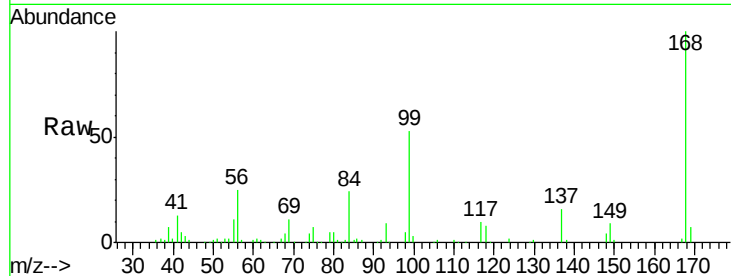
99 52.6 42.7 64.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

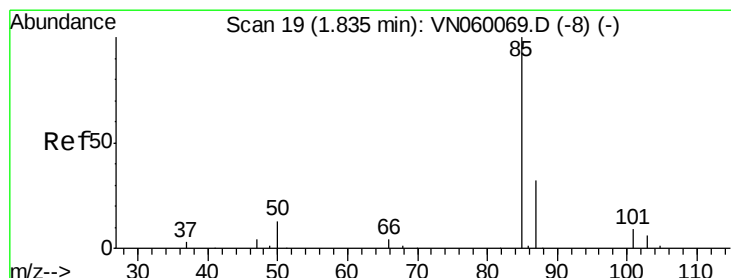
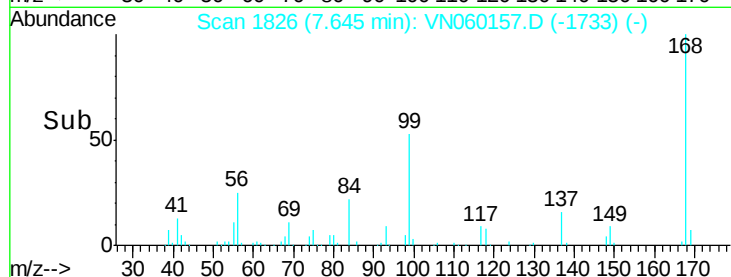
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.999 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060157.D

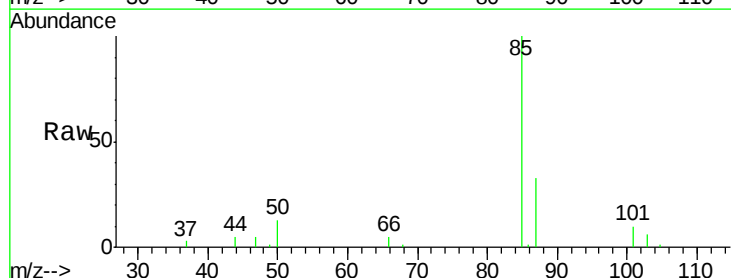
Acq: 19 Feb 2020 15:40

Tgt Ion: 85 Resp: 35240

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

25000

20000

15000

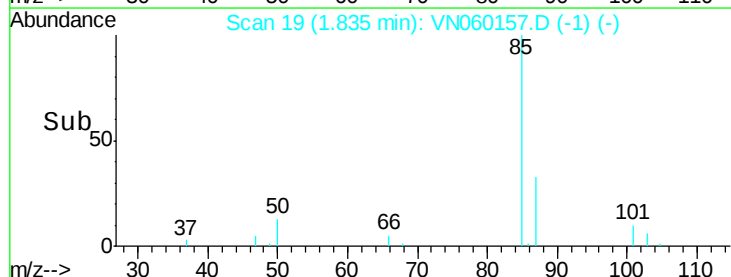
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5000

0

1.80 1.85 1.90

Time-->





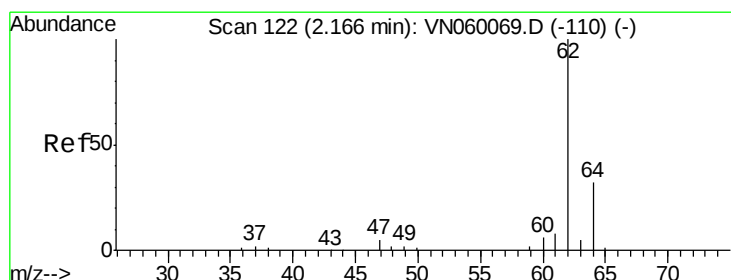
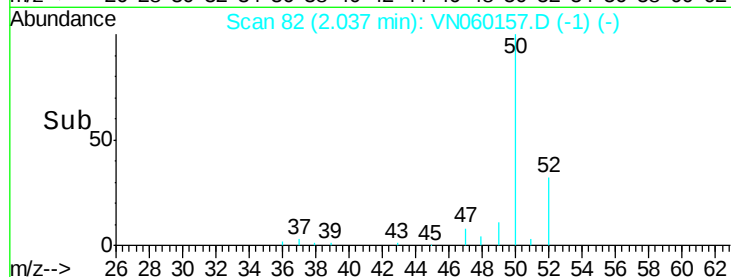
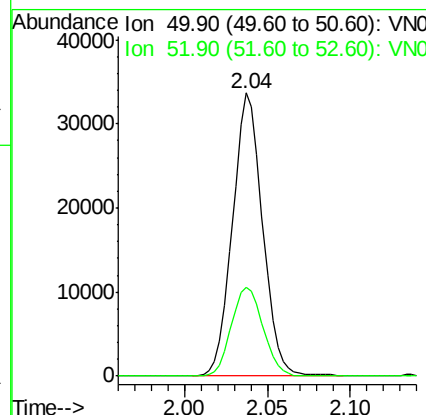
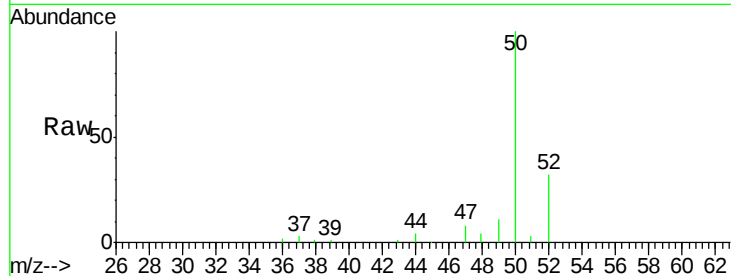
#3
 Chloromethane
 Concen: 20.283 ug/l
 RT: 2.04 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.6	38.4

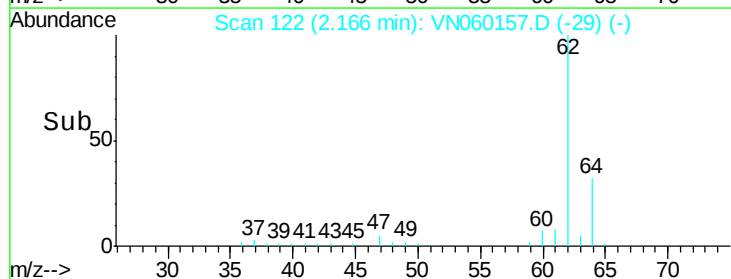
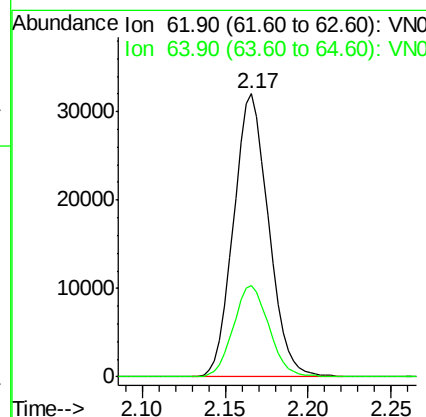
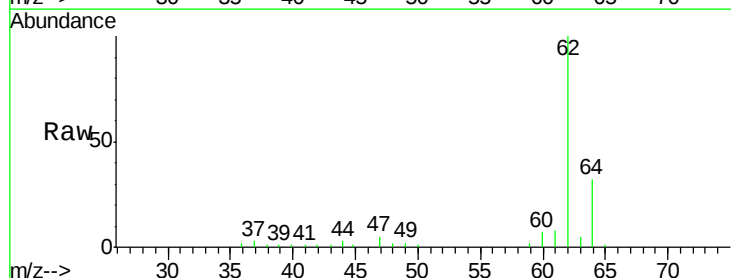
Manual Integrations
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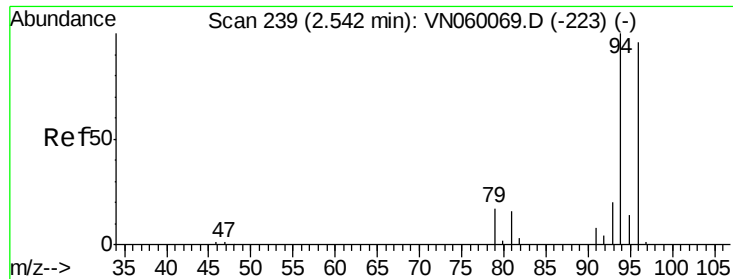
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#4
 Vinyl Chloride
 Concen: 19.699 ug/l
 RT: 2.17 min Scan# 122
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.9	38.9





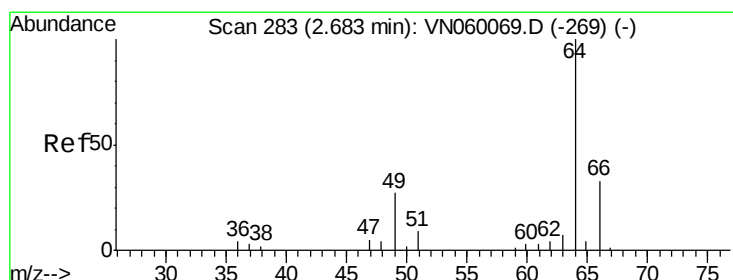
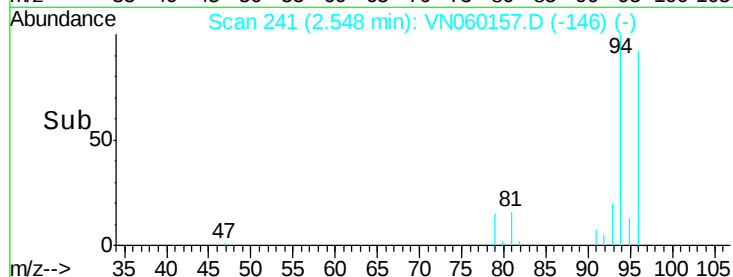
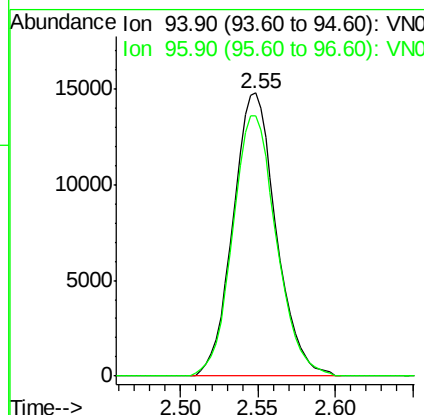
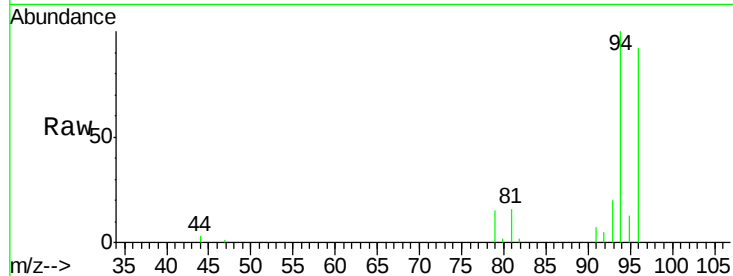
#5
Bromomethane
Concen: 19.483 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion: 94 Resp: 28554
Ion Ratio Lower Upper
94 100
96 92.1 76.7 115.1

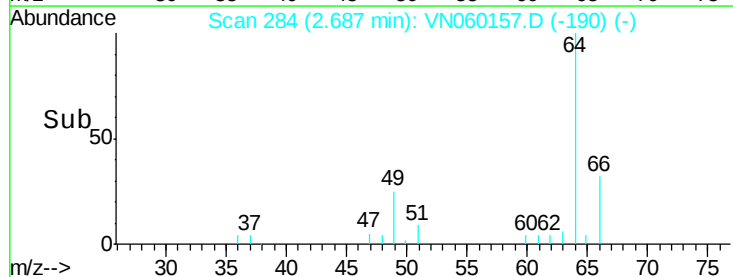
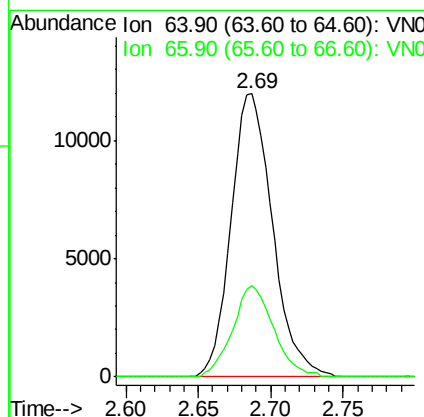
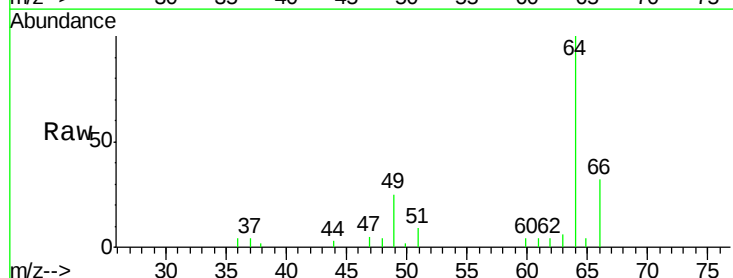
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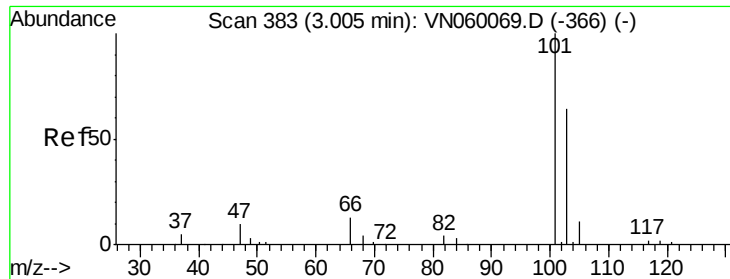
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#6
Chloroethane
Concen: 19.721 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion: 64 Resp: 23841
Ion Ratio Lower Upper
64 100
66 32.2 26.6 40.0





#7

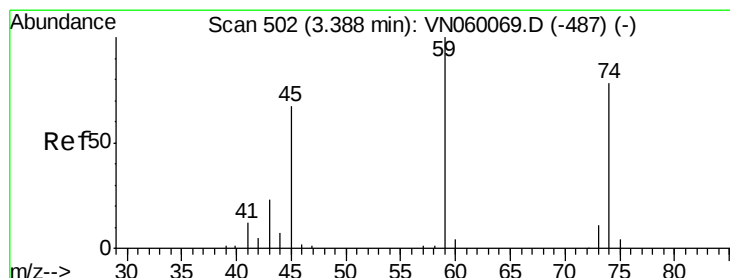
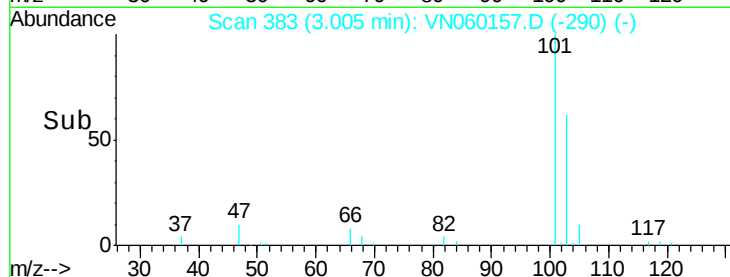
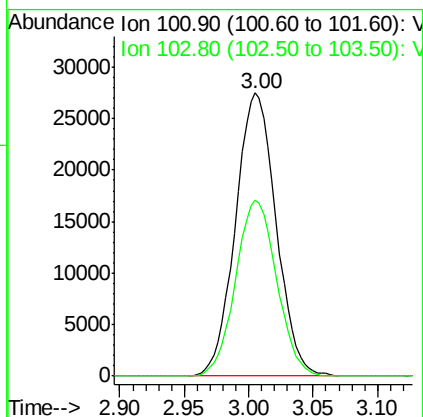
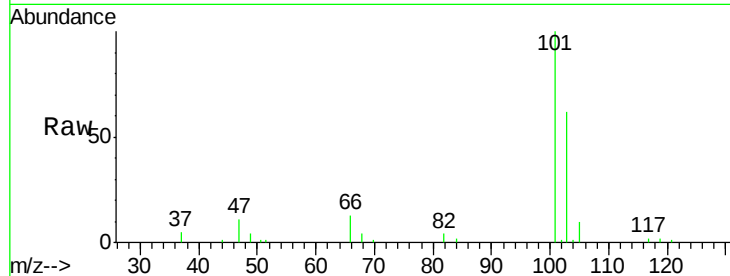
Trichlorofluoromethane
 Concen: 19.543 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

Tot Ion:101 Resp: 60224
 Ion Ratio Lower Upper
 101 100
 103 62.3 51.0 76.6

Manual Integrations
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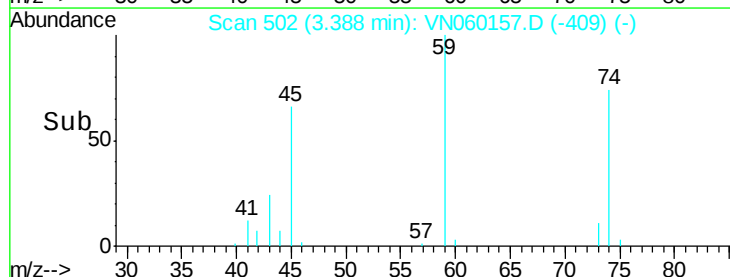
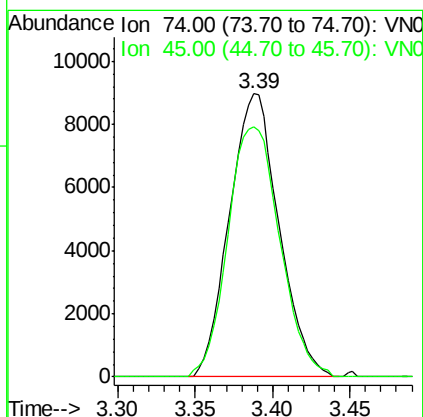
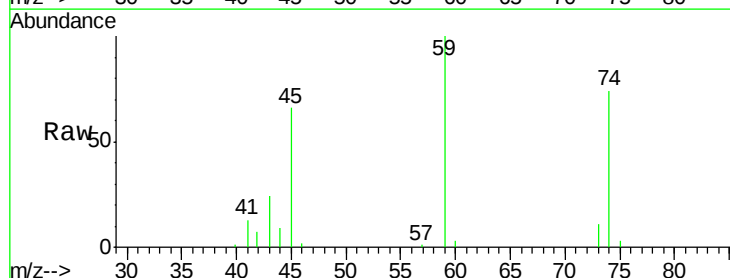
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 2/21/2020 11:48:35 AM



#8

Diethyl Ether
 Concen: 19.486 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Tgt Ion: 74 Resp: 19989
 Ion Ratio Lower Upper
 74 100
 45 92.7 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.554 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

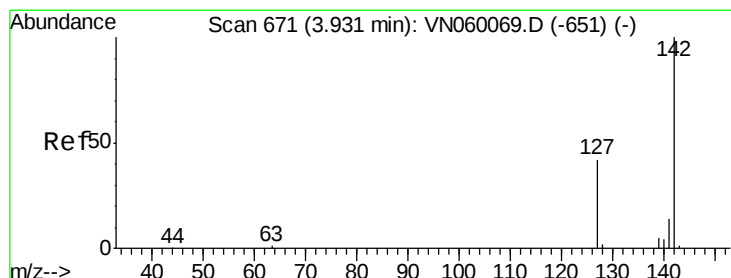
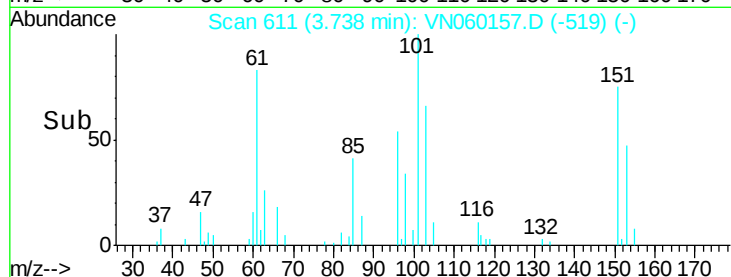
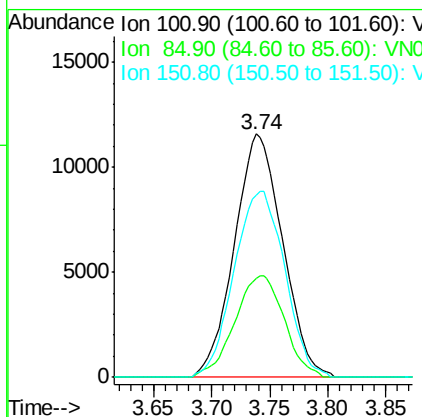
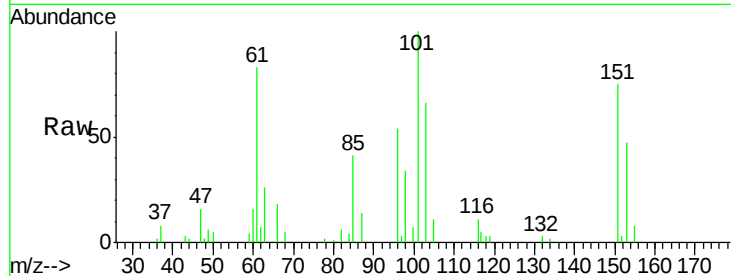
ClientSampleId :

VN0219WBSD01

Tot Ion:	101	Resp:	33456
Ion Ratio	Lower	Upper	
101	100		
85	42.8	35.1	52.7
151	80.4	65.8	98.6

Manual Integrations
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#10

Methyl Iodide

Concen: 20.898 ug/l

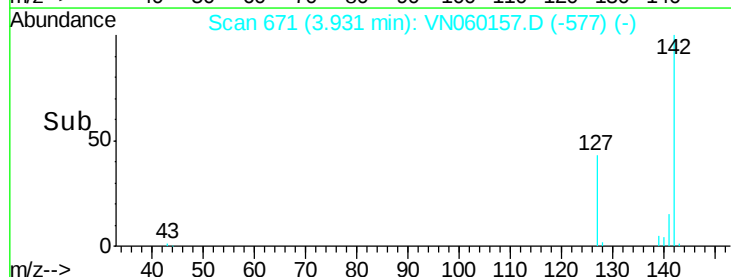
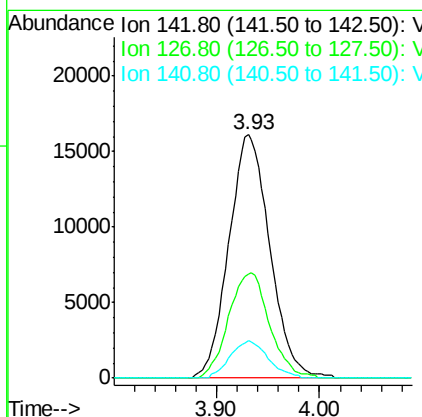
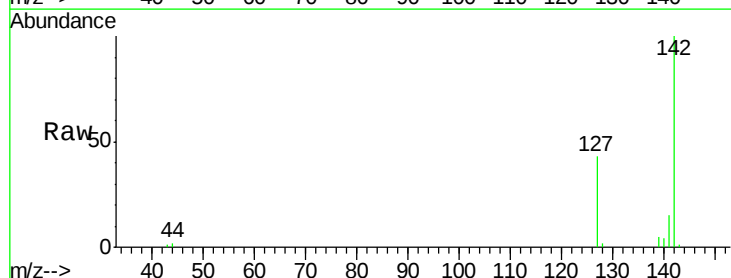
RT: 3.93 min Scan# 671

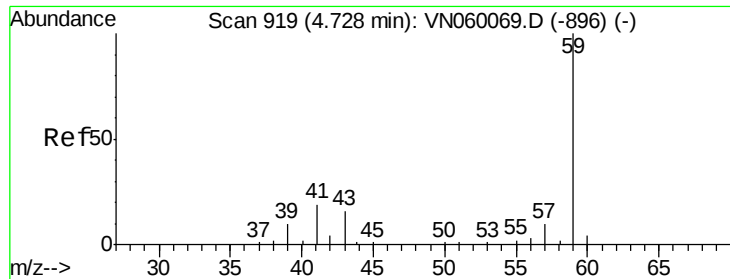
Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Tgt Ion:	142	Resp:	44545
Ion Ratio	Lower	Upper	
142	100		
127	43.1	33.6	50.4
141	14.1	11.4	17.2





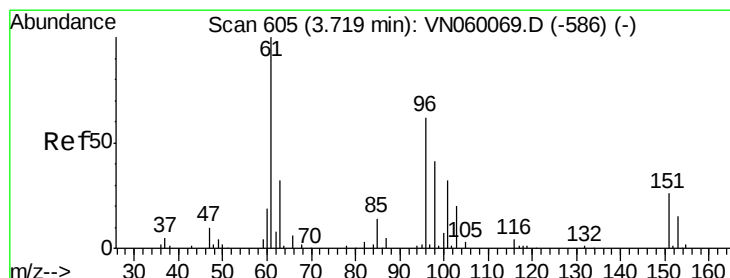
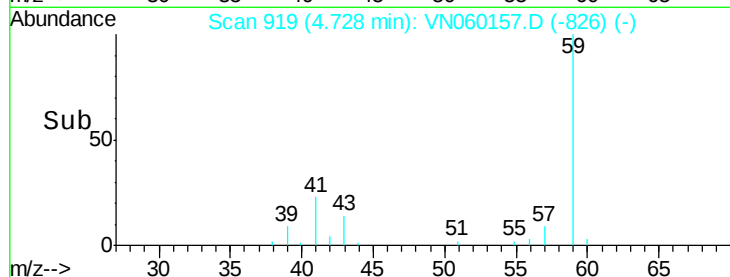
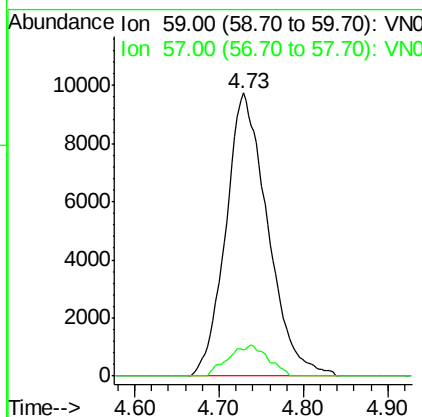
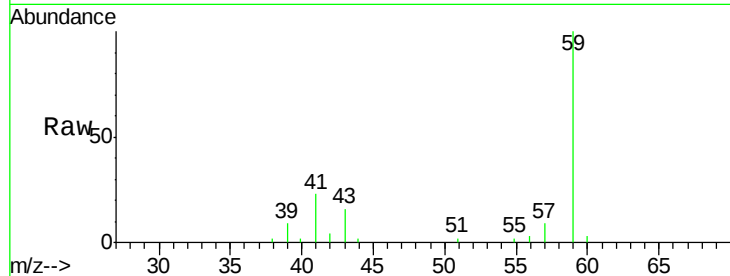
#11
Tert butyl alcohol
Concen: 104.715 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

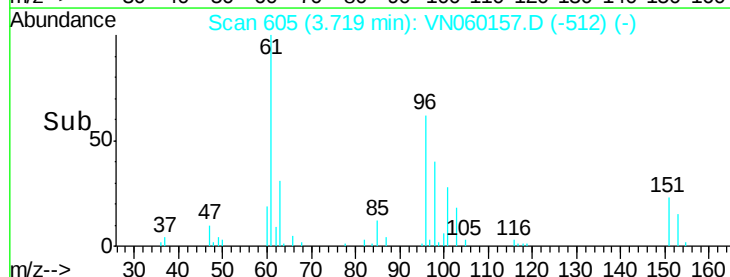
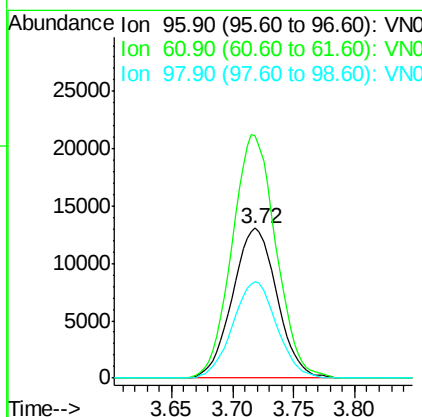
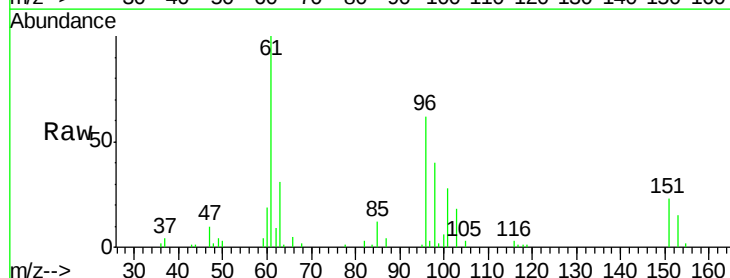
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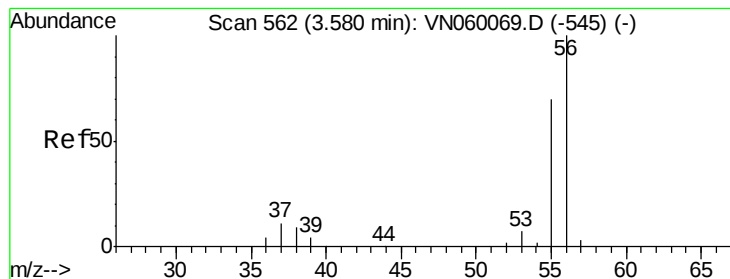
MMDadoda
2/21/2020 11:48:35 AM



#12
1,1-Dichloroethene
Concen: 19.798 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.5	128.3	192.5
98	64.5	52.2	78.4





#13

Acrolein

Concen: 93.147 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

VN0219WBSD01

Tot Ion: 56 Resp: 29555

Ion Ratio Lower Upper

56 100

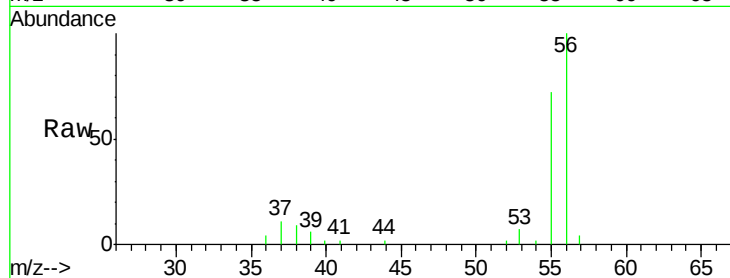
55 71.8 54.8 82.2

Manual Integrations

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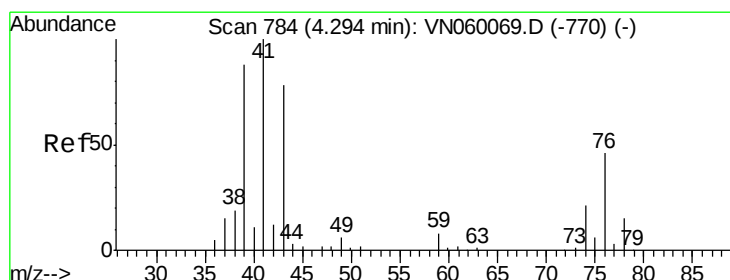
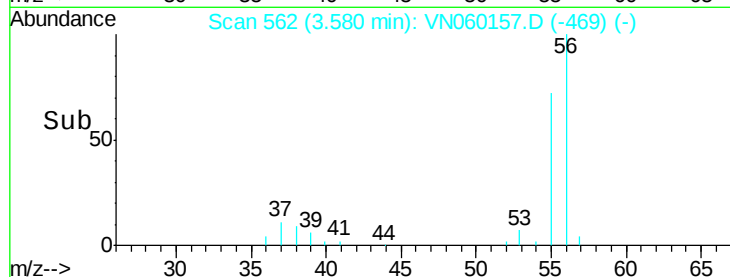
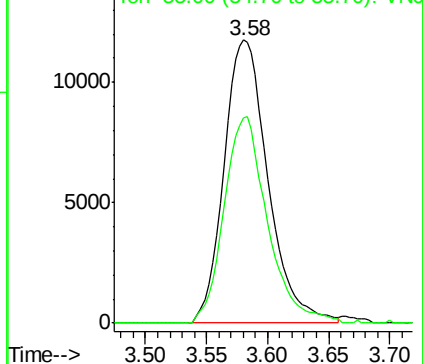
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.112 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

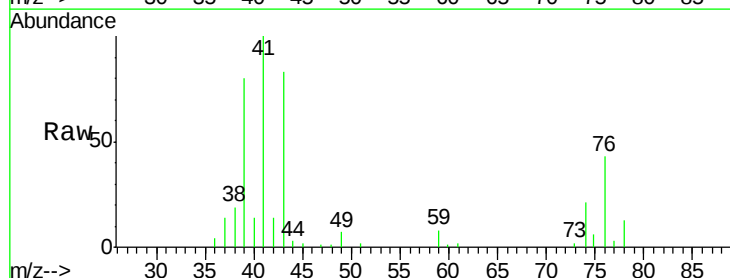
Tgt Ion: 41 Resp: 51791

Ion Ratio Lower Upper

41 100

39 73.1 67.8 101.8

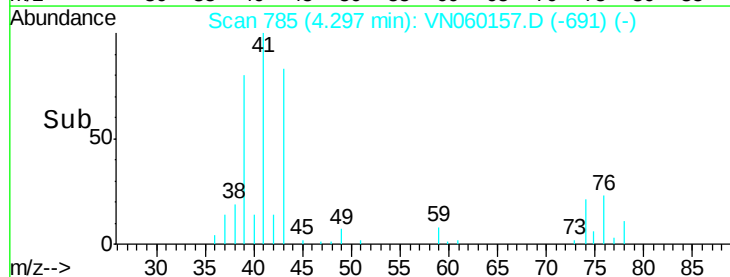
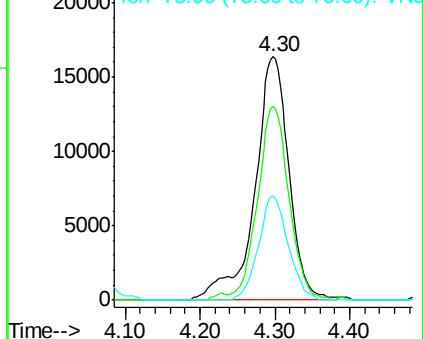
76 37.3 33.9 50.9

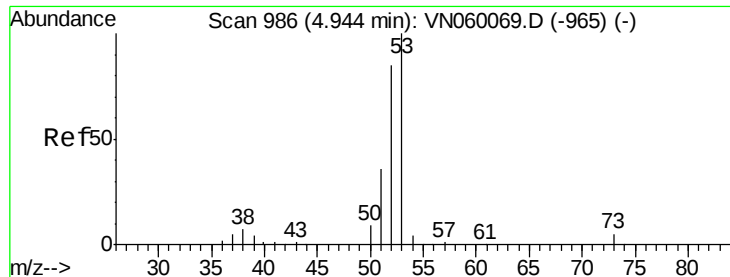


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 107.529 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.01 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

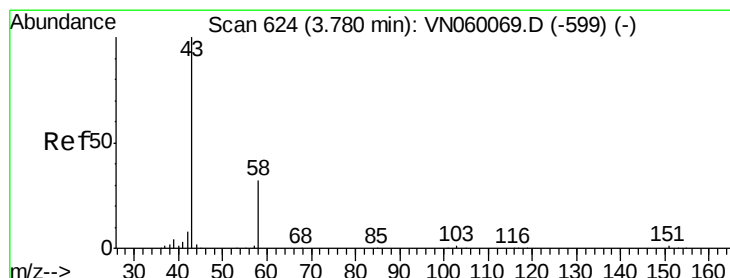
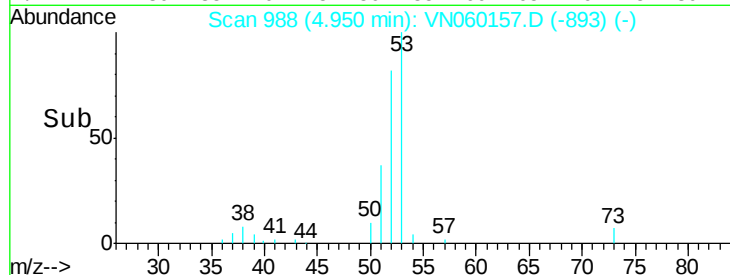
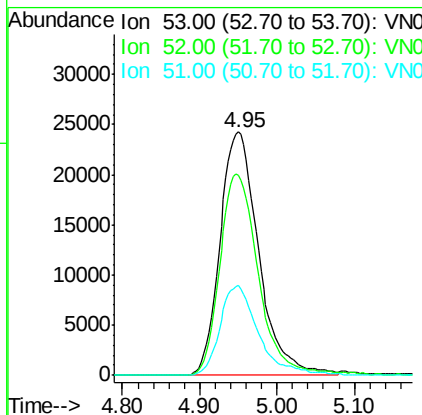
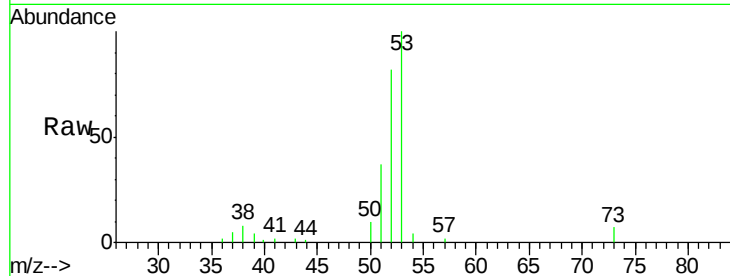
ClientSampleId :

VN0219WBSD01

Tot Ion:	53	Resp:	84296
Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.8	100.2
51	36.7	29.4	44.0

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#16

Acetone

Concen: 79.071 ug/l

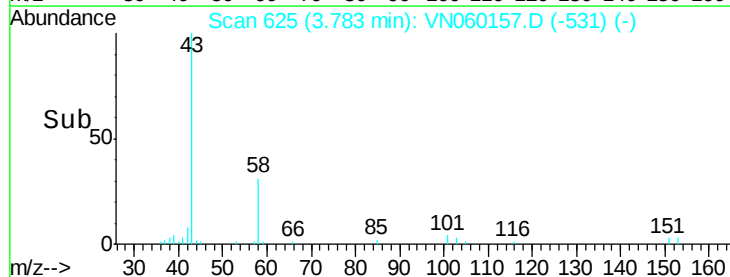
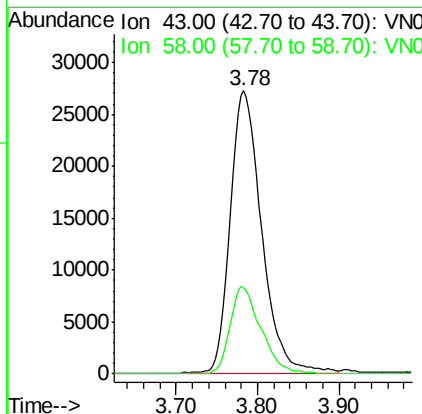
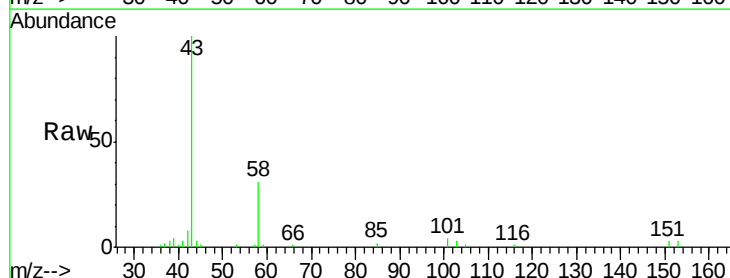
RT: 3.78 min Scan# 625

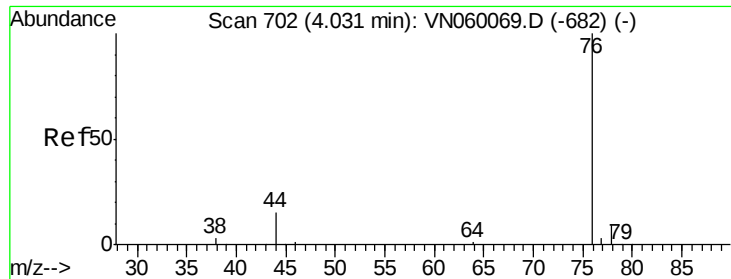
Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Tgt Ion:	43	Resp:	73986
Ion	Ratio	Lower	Upper
43	100		
58	30.7	25.2	37.8





#17

Carbon Disulfide

Concen: 18.382 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion: 76 Resp: 92345

Ion Ratio Lower Upper

76 100

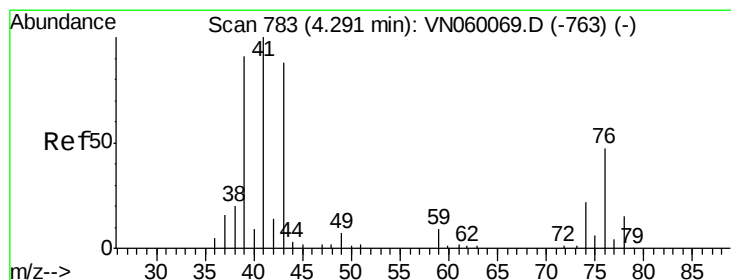
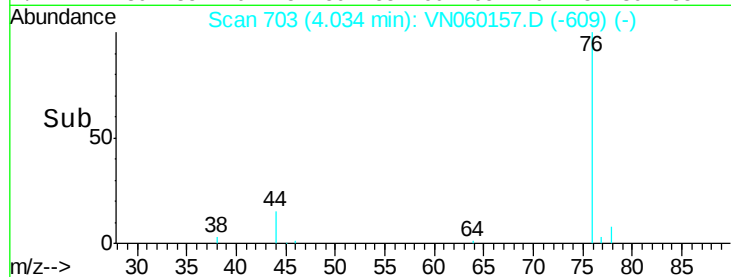
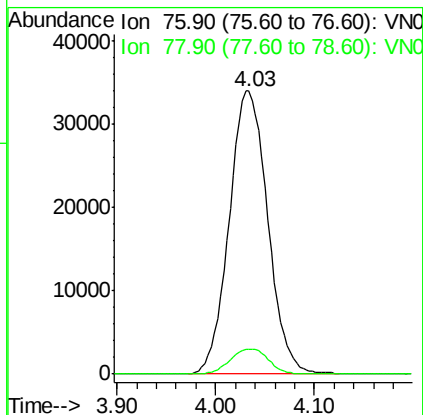
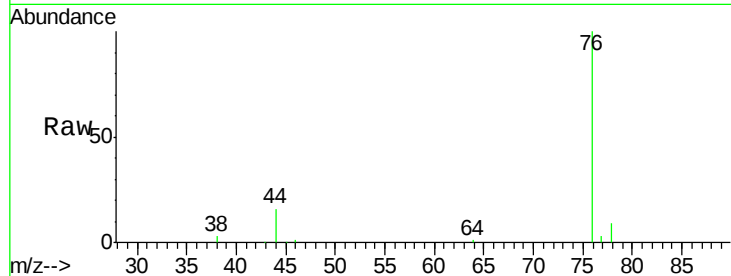
78 8.9 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 23.706 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN060157.D

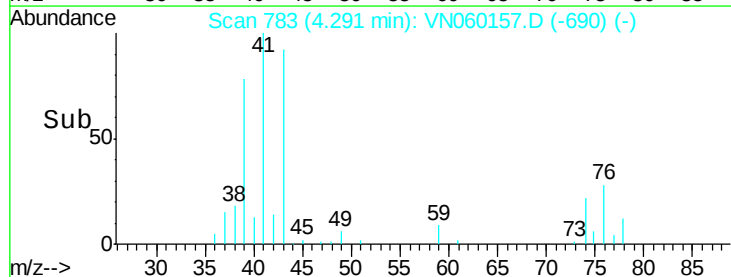
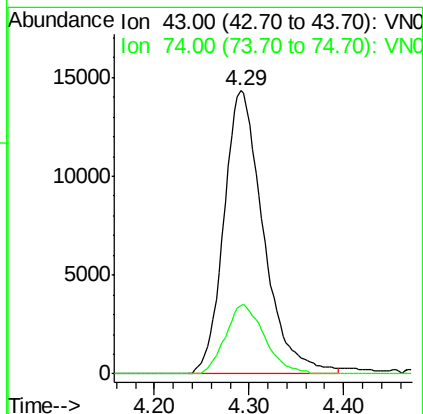
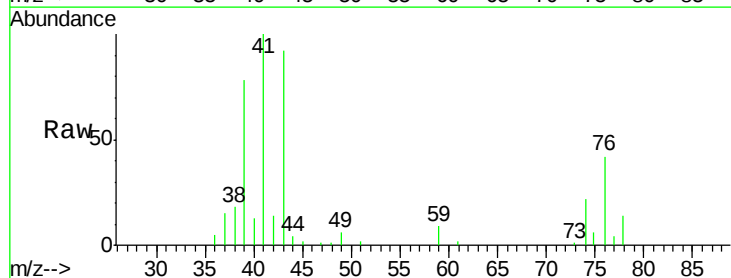
Acq: 19 Feb 2020 15:40

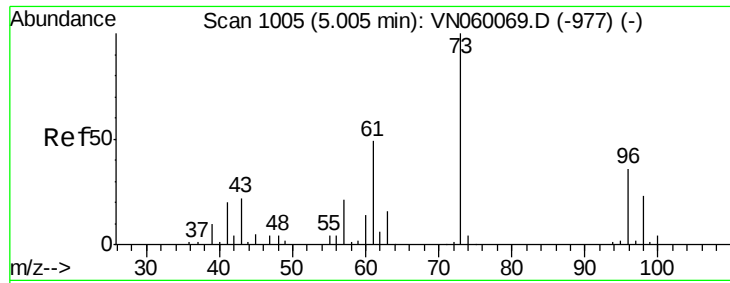
Tgt Ion: 43 Resp: 41668

Ion Ratio Lower Upper

43 100

74 24.2 20.3 30.5





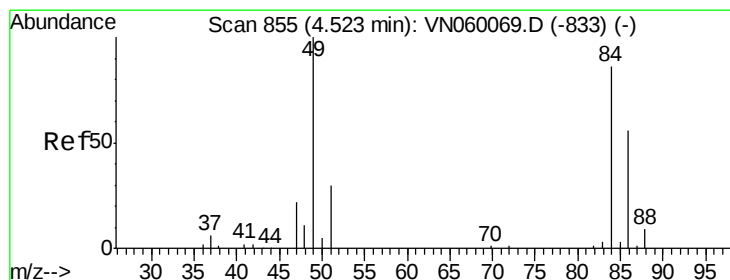
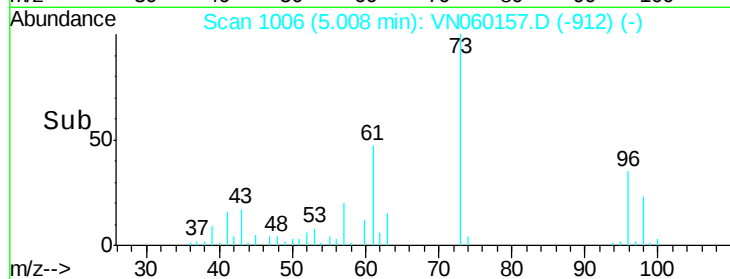
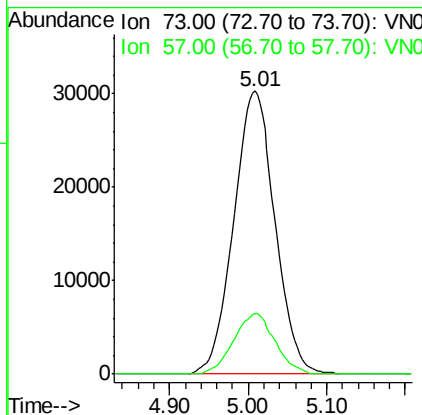
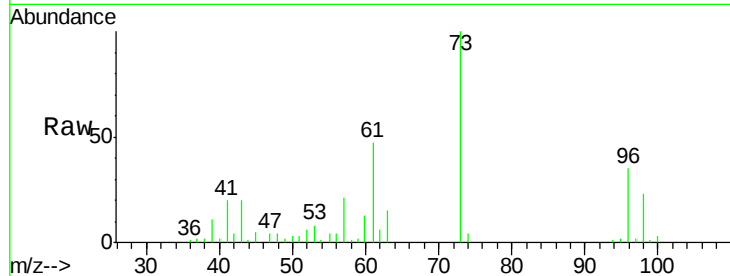
#19
Methvl tert-butvl Ether
Concen: 19.866 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion: 73 Resp: 111350
Ion Ratio Lower Upper
73 100
57 21.5 17.2 25.8

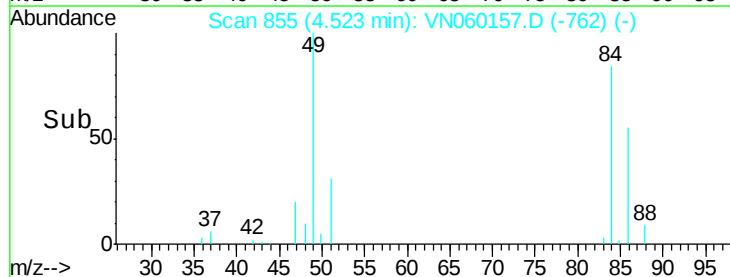
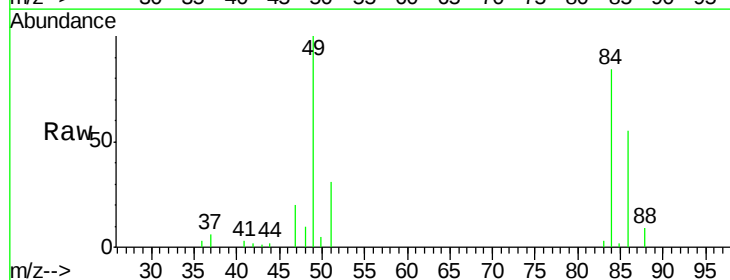
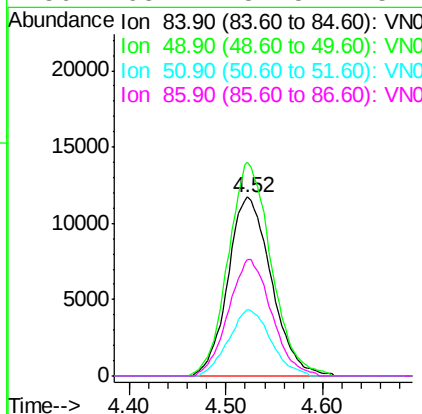
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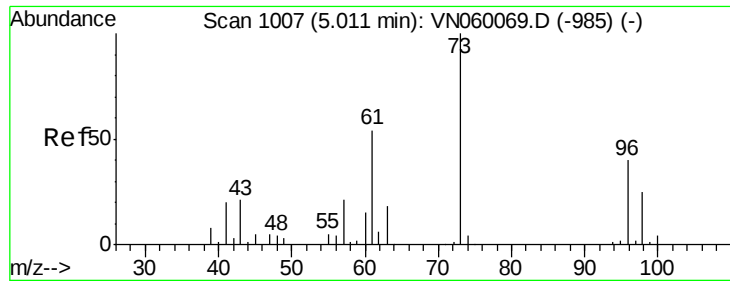
MMDadoda
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#20
Methylene Chloride
Concen: 19.634 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion: 84 Resp: 36652
Ion Ratio Lower Upper
84 100
49 119.5 93.4 140.0
51 37.0 28.4 42.6
86 65.4 52.5 78.7





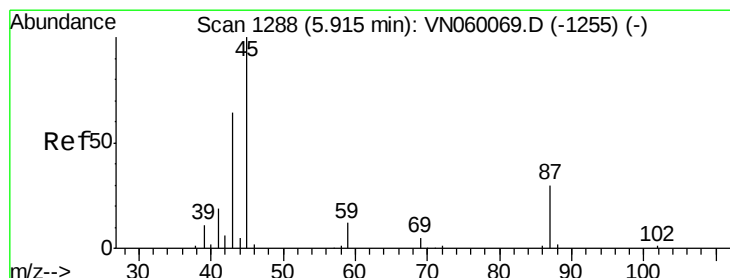
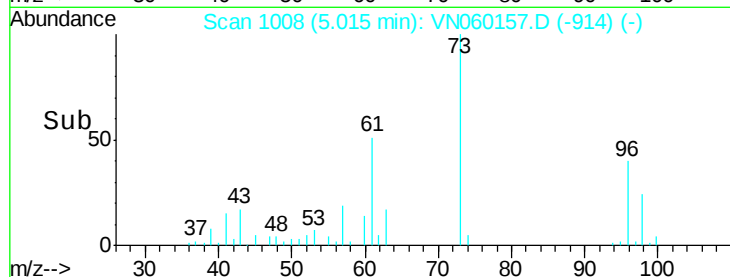
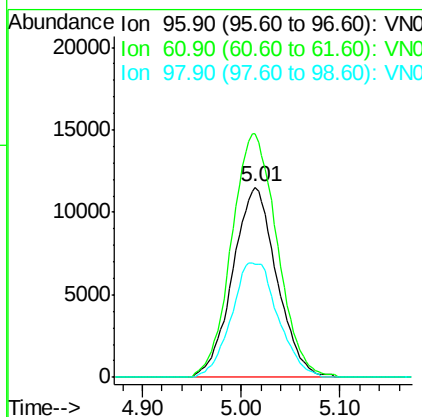
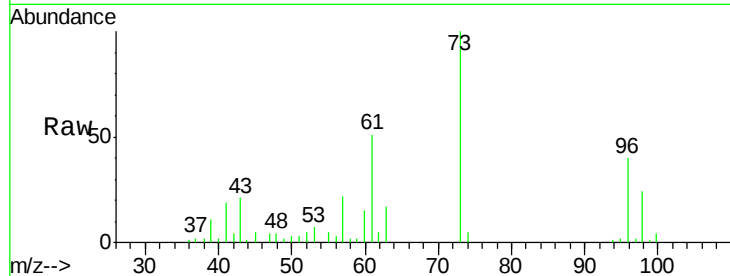
#21
trans-1,2-Dichloroethene
Concen: 19.633 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.2	109.3	163.9
98	59.3	51.0	76.6

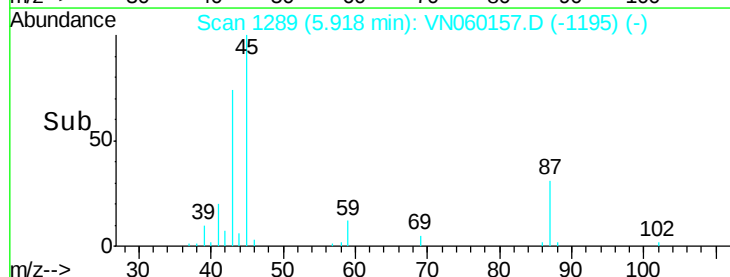
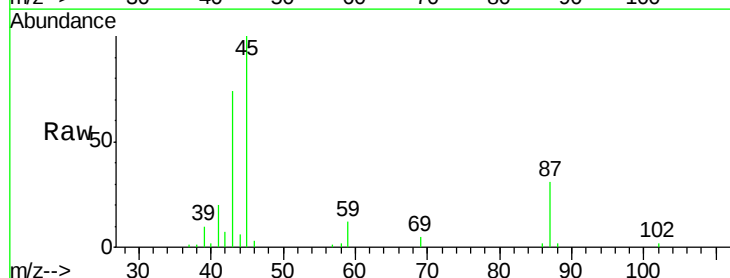
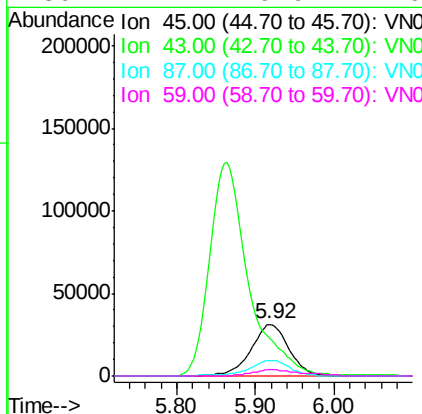
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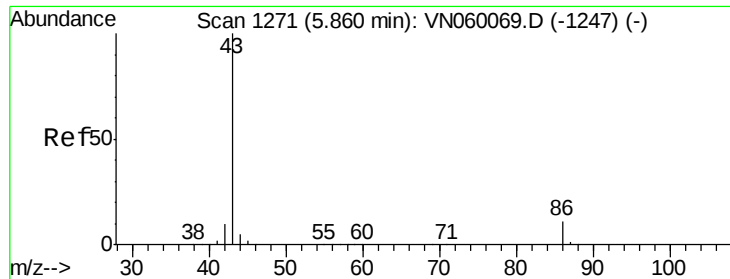
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#22
Diisopropyl ether
Concen: 19.780 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.3	55.9	83.9
87	31.0	24.5	36.7
59	12.2	9.9	14.9





#23

Vinyl Acetate

Concen: 98.149 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion: 43 Resp: 443130

Ion Ratio Lower Upper

43 100

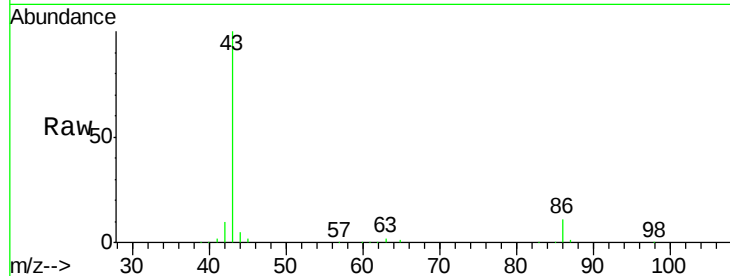
86 10.9 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

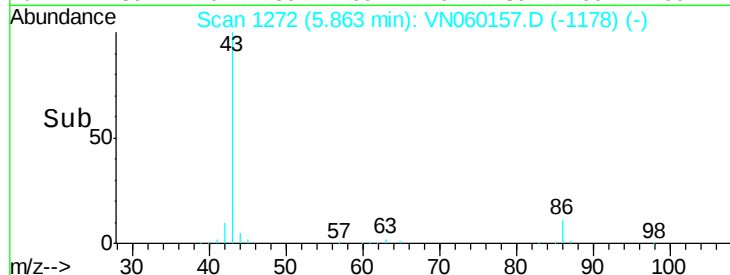
150000

100000

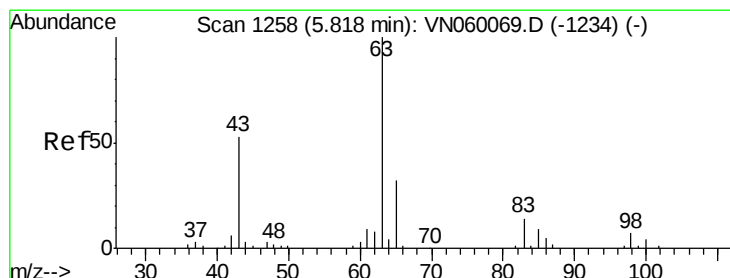
50000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 19.799 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

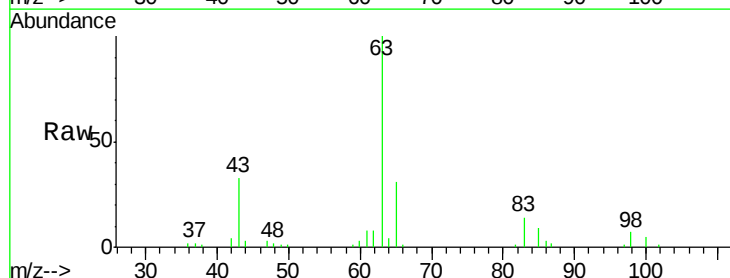
Tgt Ion: 63 Resp: 64483

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.9 2.2 6.6



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

25000

20000

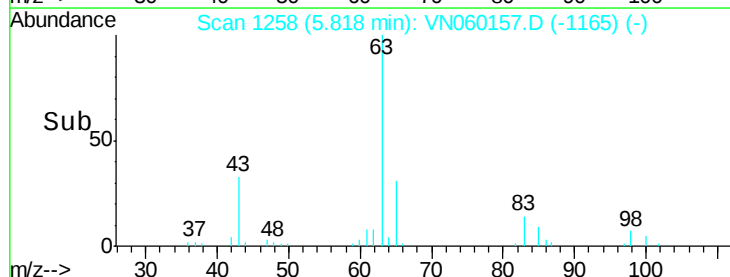
15000

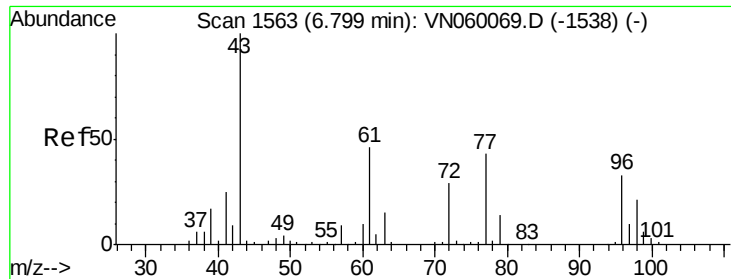
10000

5000

0

Time-->





#25

2-Butanone

Concen: 94.460 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion: 43 Resp: 111160

Ion Ratio Lower Upper

43 100

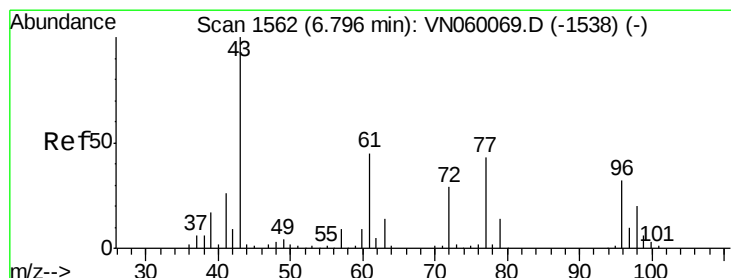
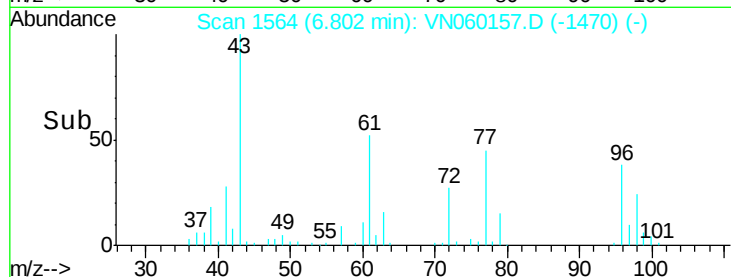
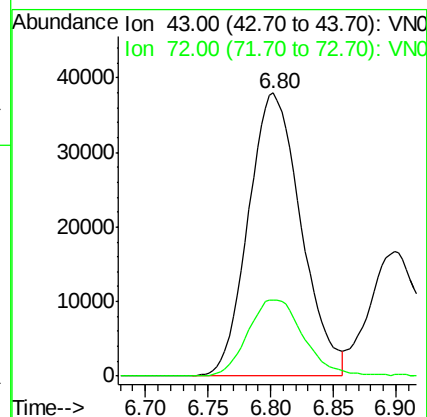
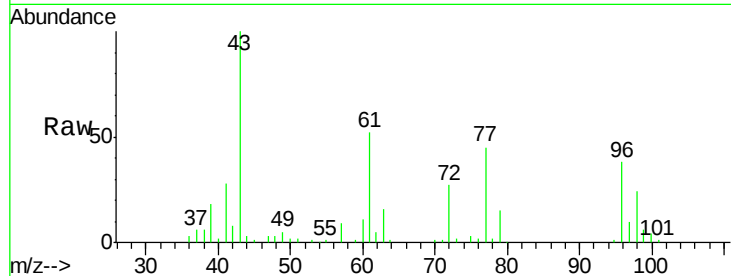
72 26.8 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.261 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060157.D

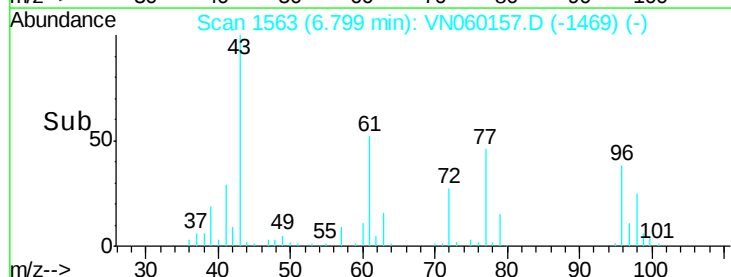
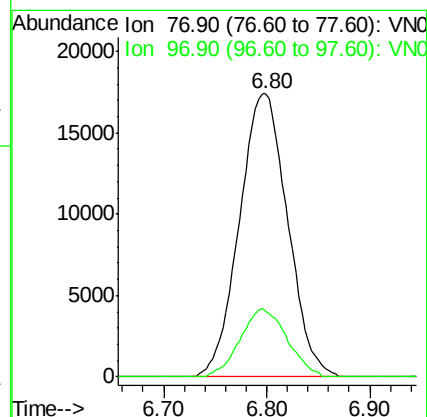
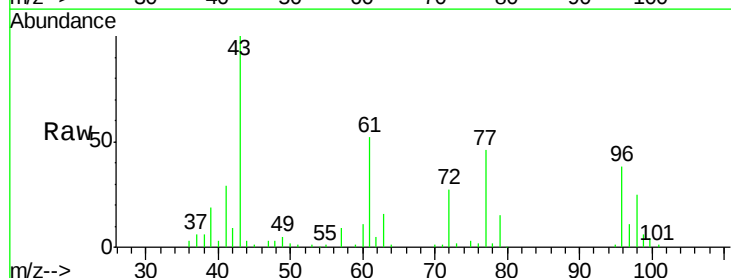
Acq: 19 Feb 2020 15:40

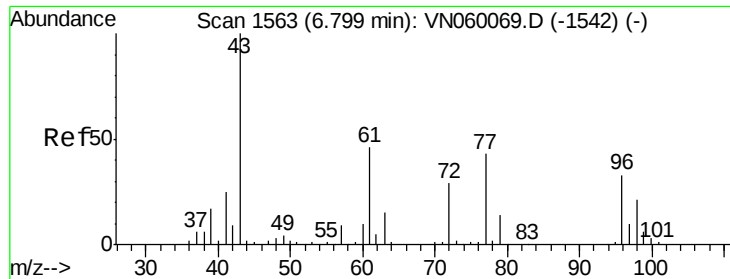
Tgt Ion: 77 Resp: 56491

Ion Ratio Lower Upper

77 100

97 23.3 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 19.687 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

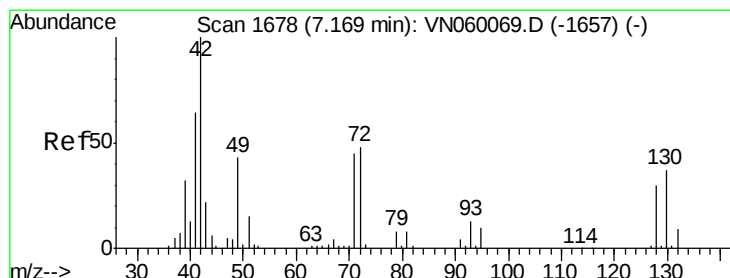
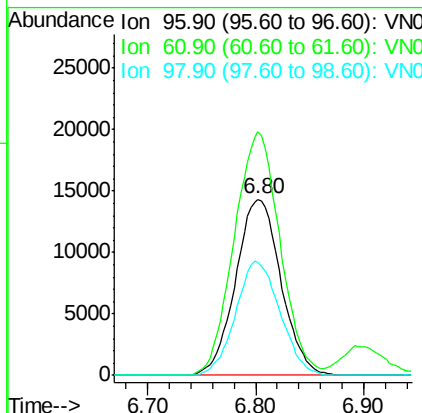
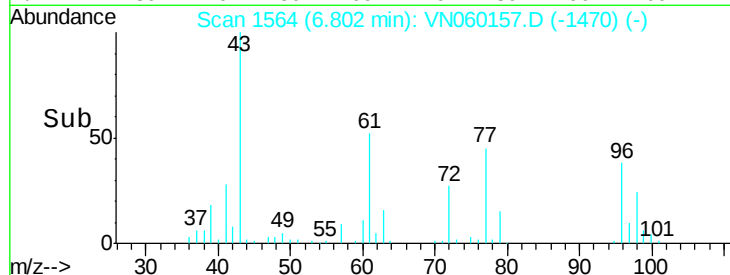
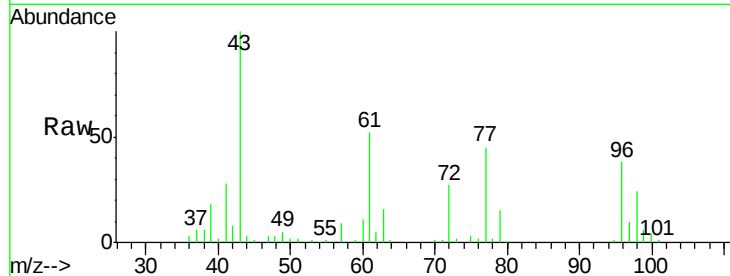
ClientSampleId :

VN0219WBSD01

Tot Ion:	96	Resp:	41860
Ion	Ratio	Lower	Upper
96	100		
61	139.6	0.0	285.8
98	63.5	0.0	129.6

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#28

Bromochloromethane

Concen: 18.628 ug/l

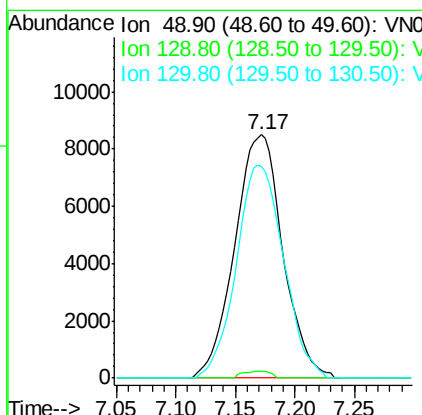
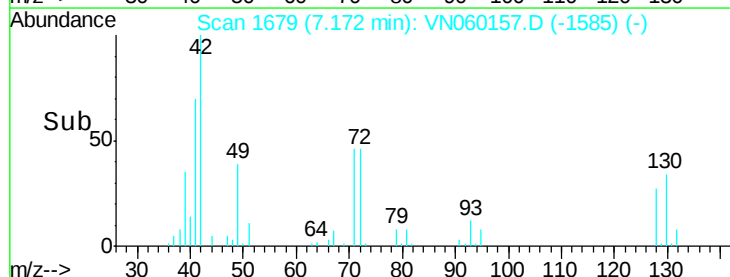
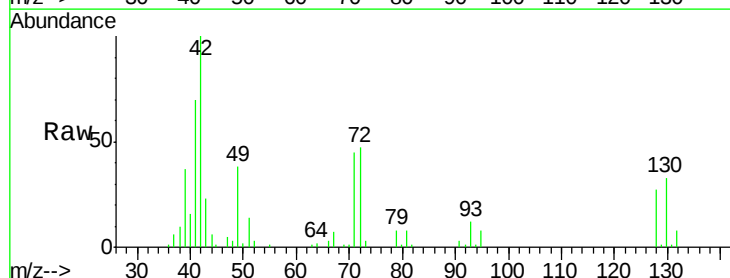
RT: 7.17 min Scan# 1679

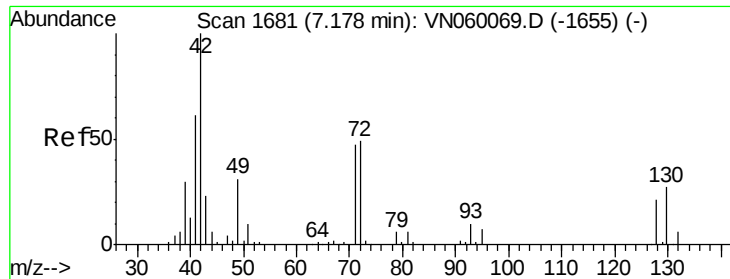
Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Tgt Ion:	49	Resp:	23851
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.2
130	85.9	66.8	100.2





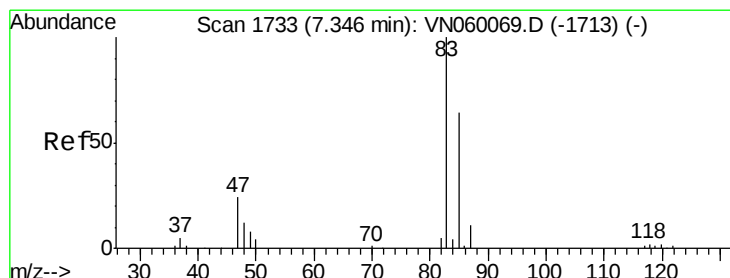
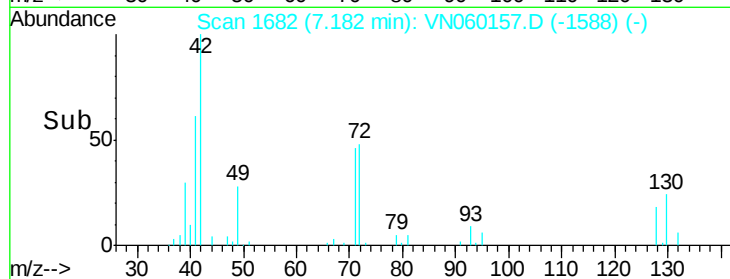
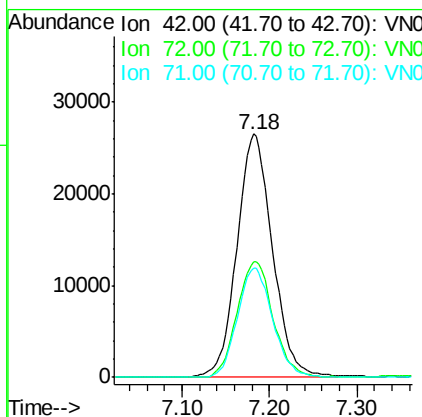
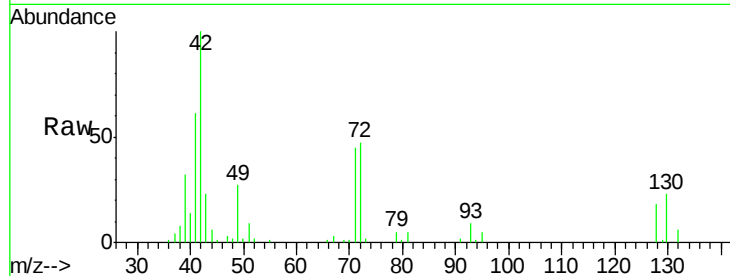
#29
Tetrahydrofuran
Concen: 103.627 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampled :
VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	38.2	57.4
71	44.3	36.6	54.8

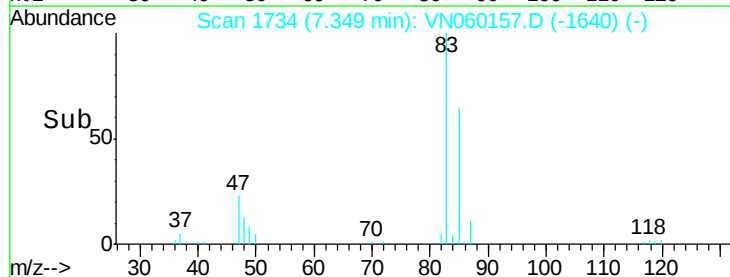
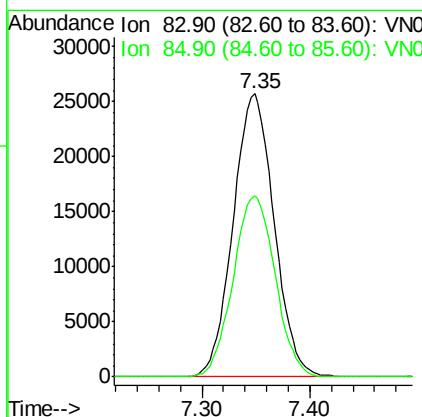
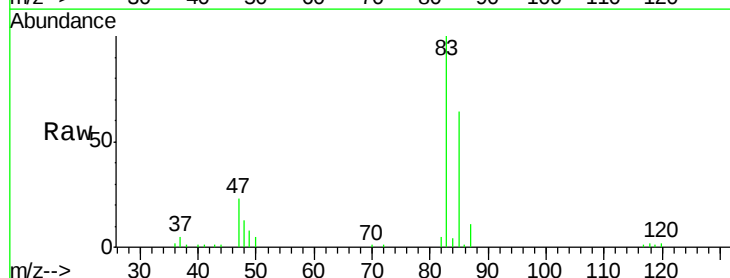
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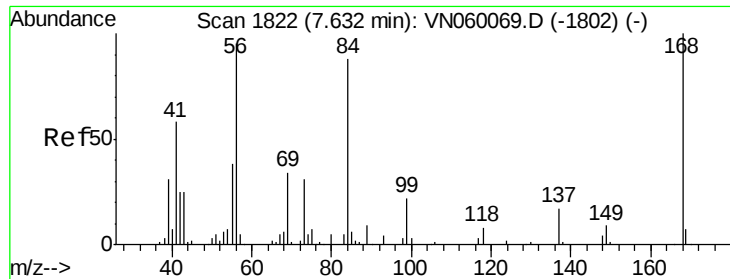
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#30
Chloroform
Concen: 19.900 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.4	77.0





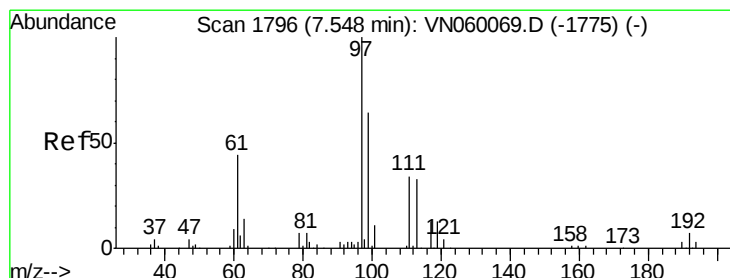
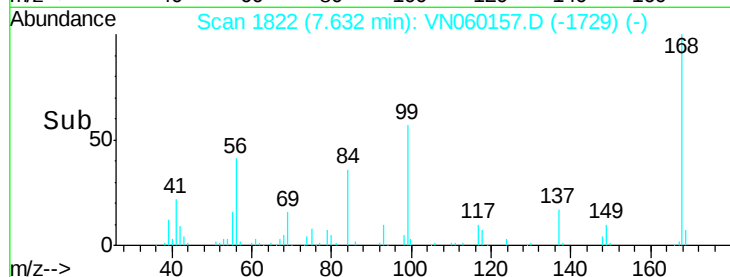
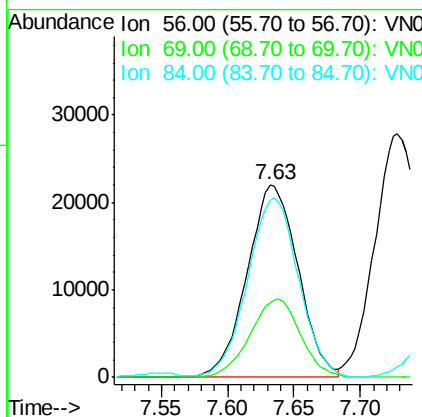
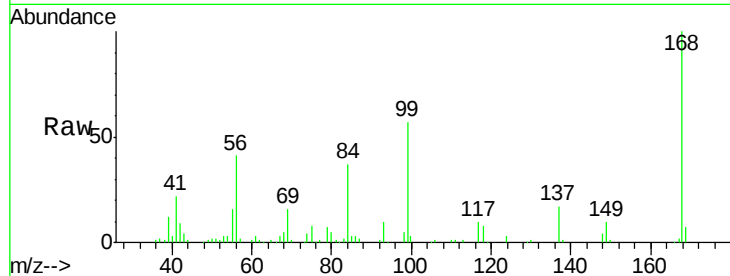
#31
Cyclohexane
Concen: 19.435 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampled :
VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.8	28.3	42.5
84	90.6	72.6	108.8

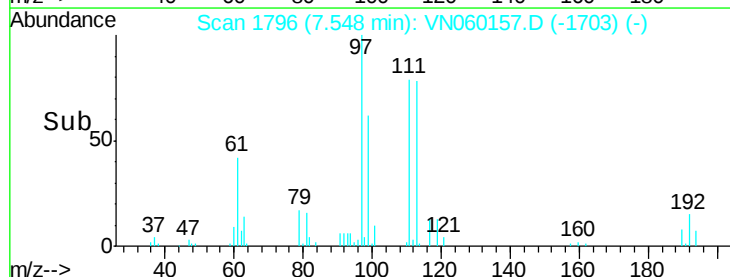
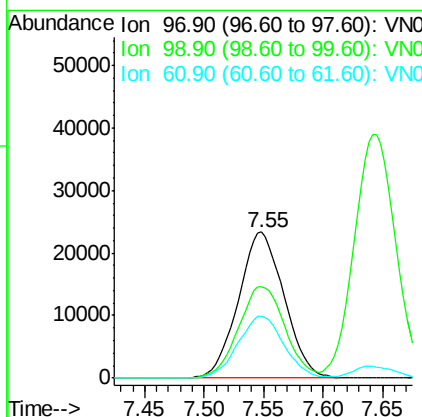
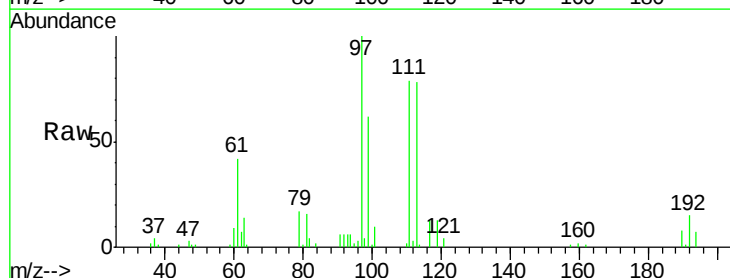
Manual Integrations
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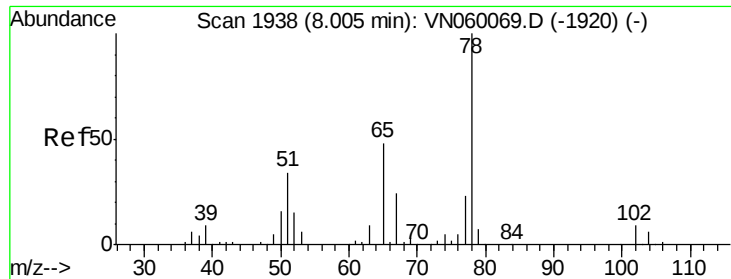
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#32
1,1,1-Trichloroethane
Concen: 19.879 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.4	77.0
61	42.3	34.9	52.3





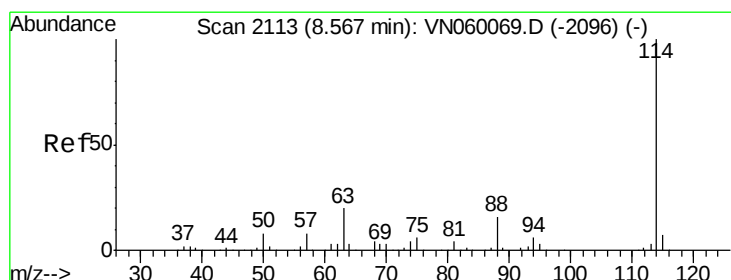
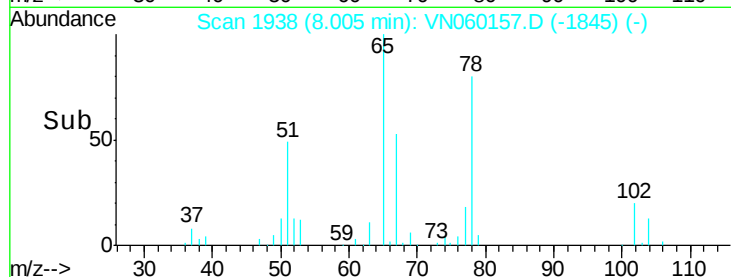
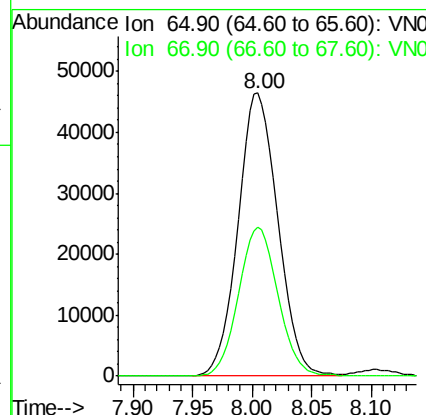
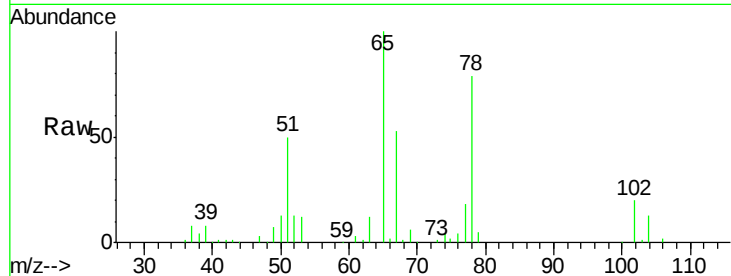
#33
 1,2-Dichloroethane-d4
 Concen: 50.270 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	104.0	

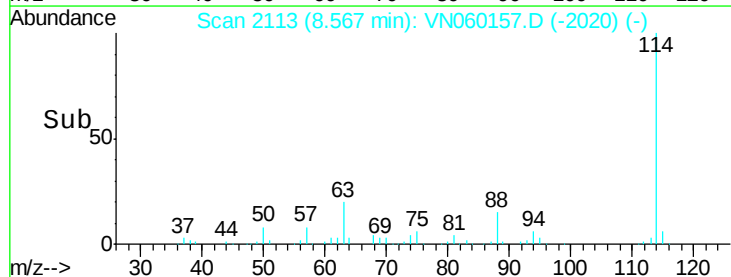
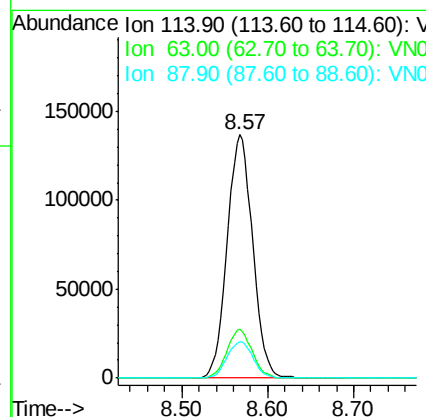
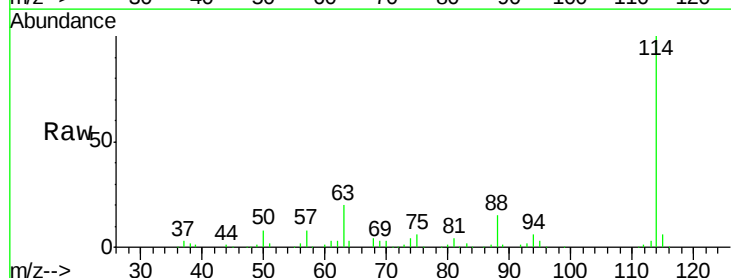
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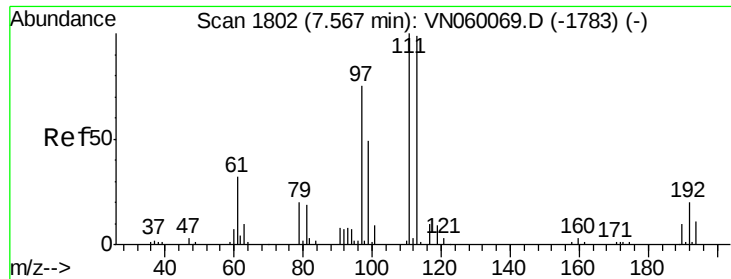
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.2	0.0	40.0	
88	15.0	0.0	31.6	





#35

Dibromofluoromethane

Concen: 50.445 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

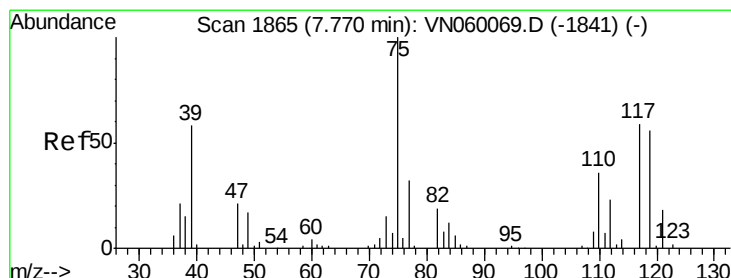
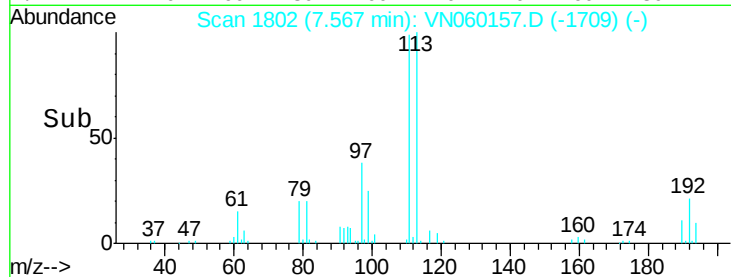
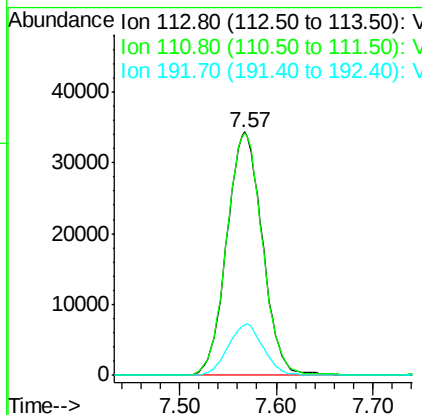
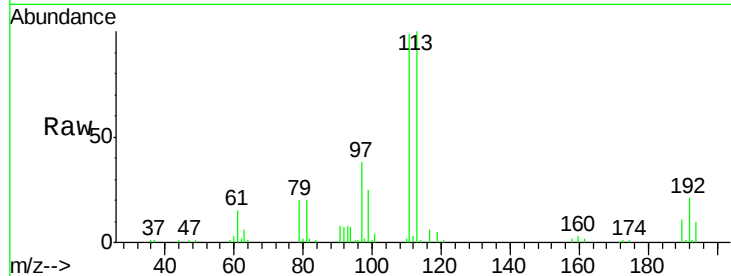
ClientSampleId :

VN0219WBSD01

Tot Ion:	113	Resp:	87614
Ion Ratio	Lower	Upper	
113	100		
111	99.6	81.4	122.2
192	20.6	16.2	24.2

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#36

1,1-Dichloropropene

Concen: 18.930 ug/l

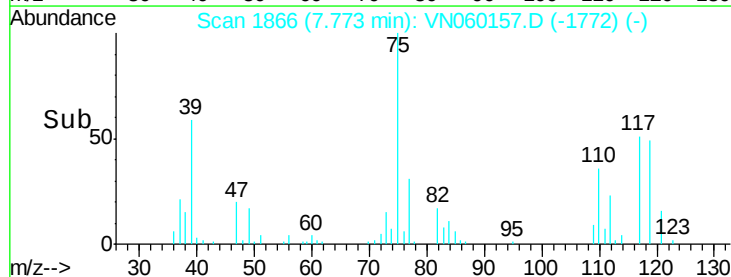
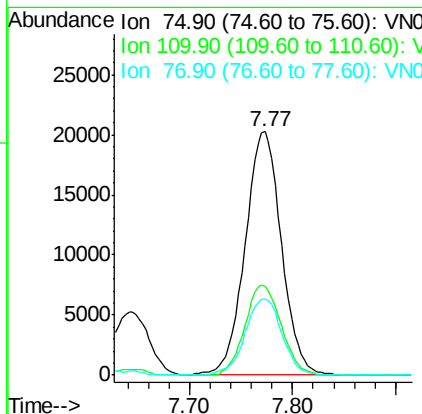
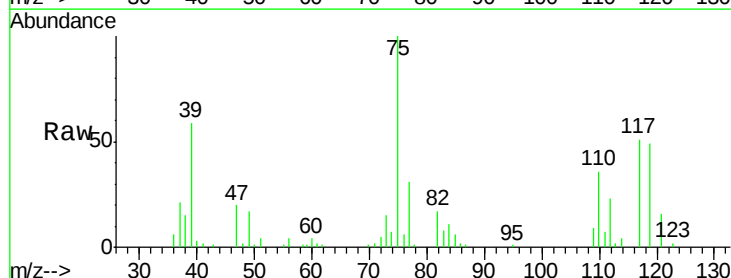
RT: 7.77 min Scan# 1866

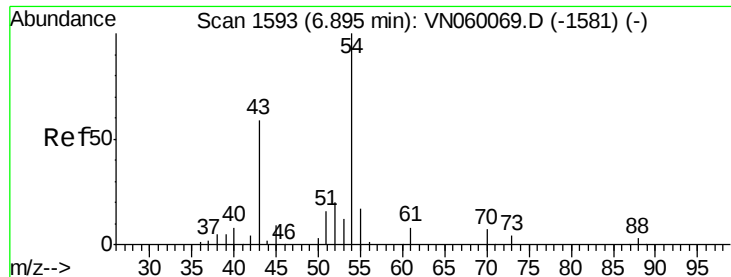
Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Tgt Ion:	75	Resp:	49540
Ion Ratio	Lower	Upper	
75	100		
110	36.9	18.1	54.3
77	31.7	25.1	37.7





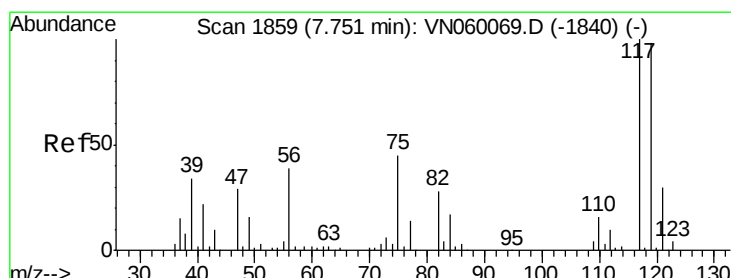
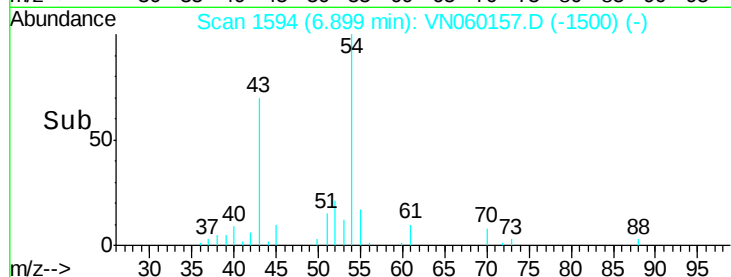
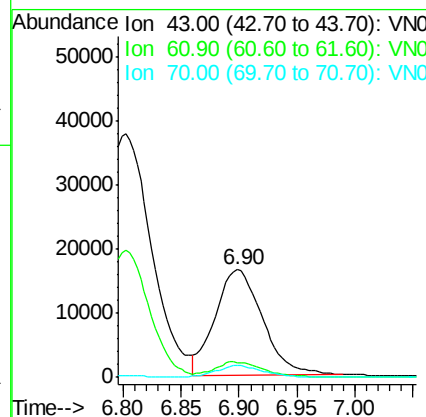
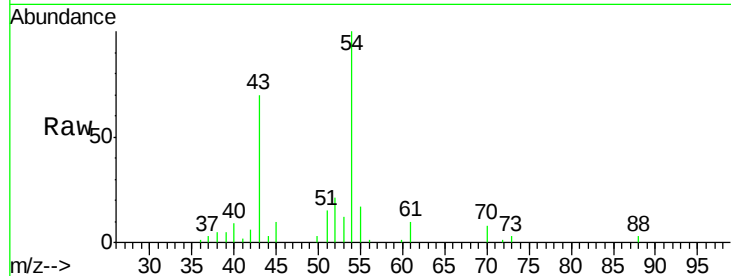
#37
Ethyl Acetate
Concen: 19.979 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampled :
VN0219WBSD01

Tot Ion	43	61	70
Ratio	100	14.6	11.0
Lower		11.4	8.7
Upper		17.2	13.1

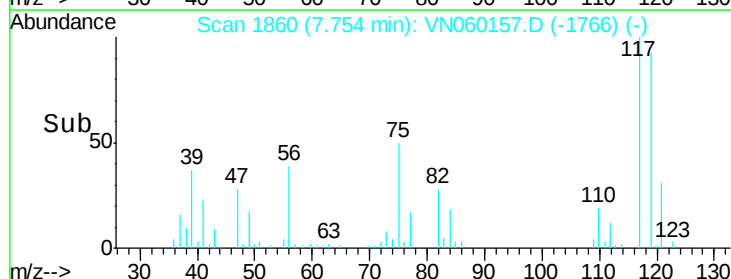
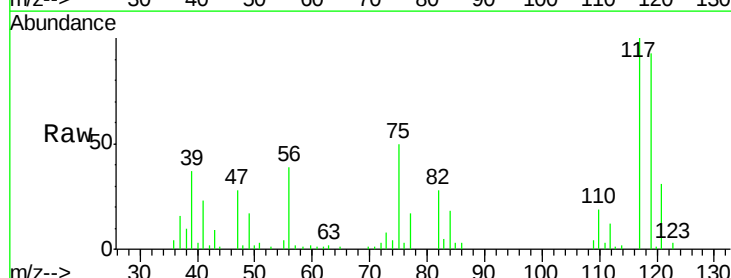
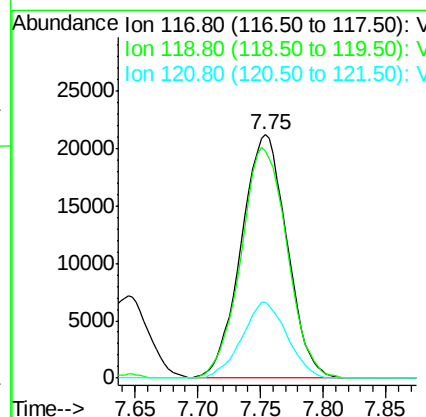
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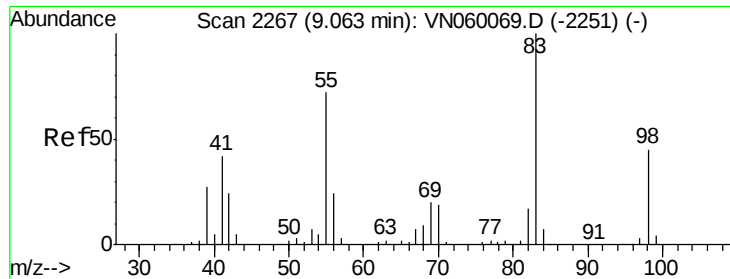
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#38
Carbon Tetrachloride
Concen: 18.917 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion	117	119	121
Ratio	100	93.3	31.3
Lower		78.2	24.2
Upper		117.4	36.2





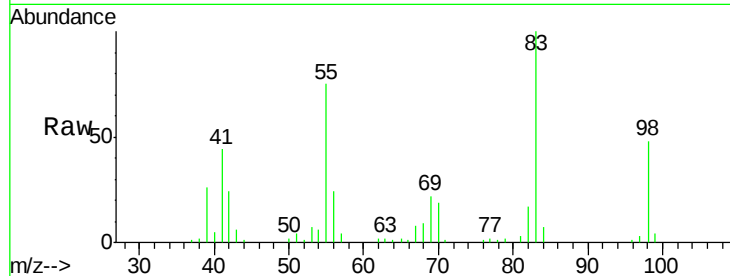
#39
Methvlcvclohexane
Concen: 18.365 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

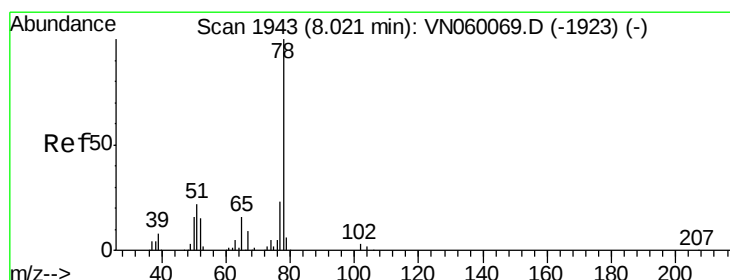
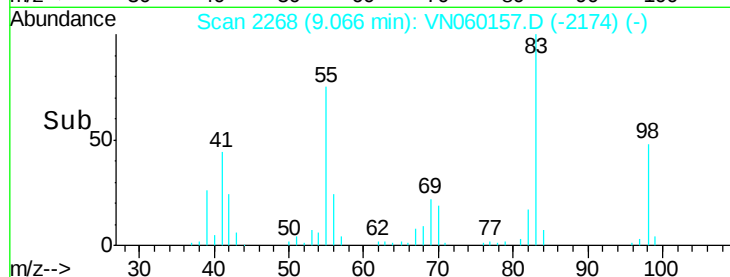
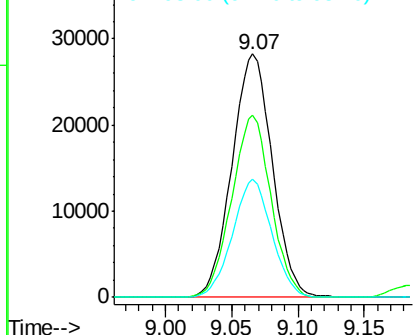
Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	57.8	86.8
98	48.3	36.4	54.6

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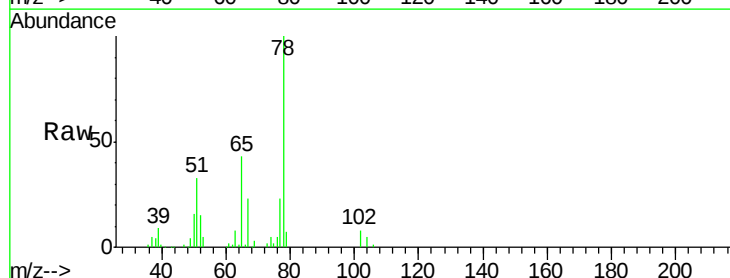


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

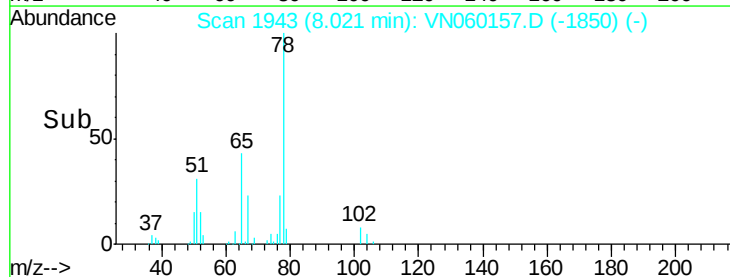
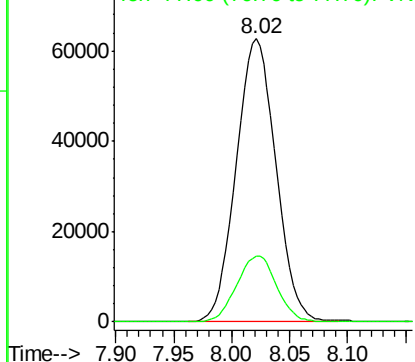


#40
Benzene
Concen: 19.234 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





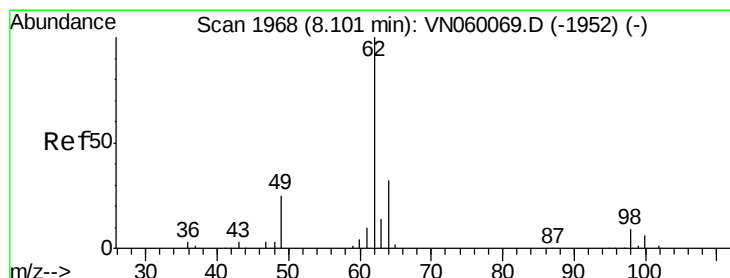
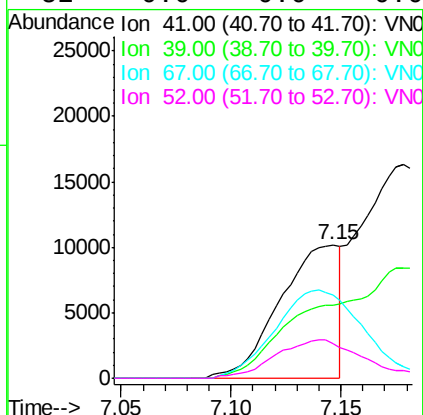
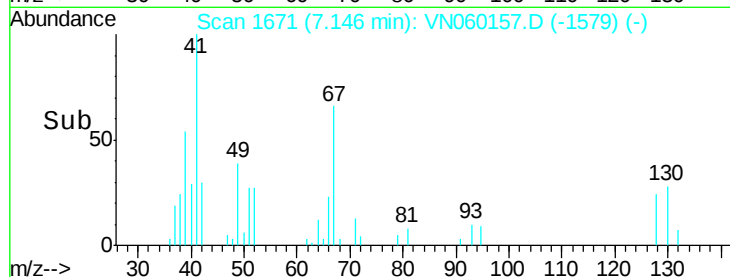
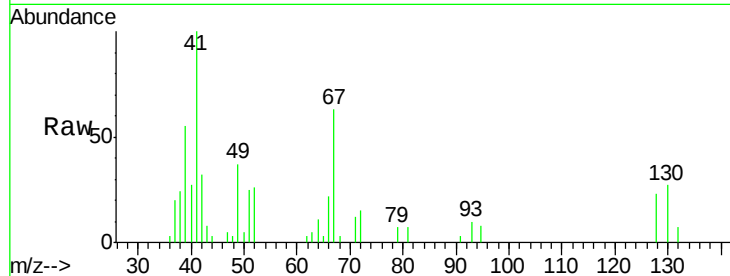
#41
Methacrylonitrile
Concen: 19.593 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	190.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

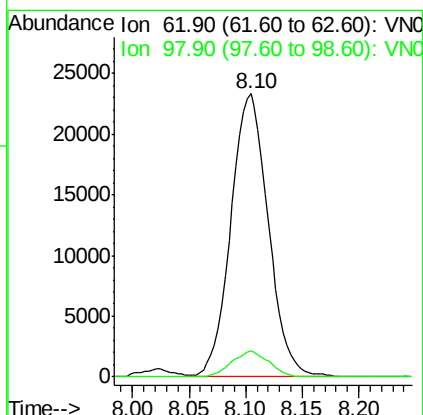
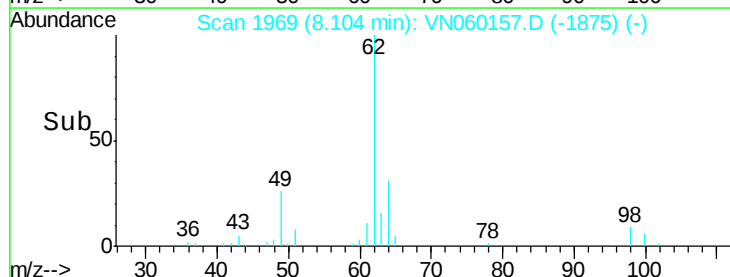
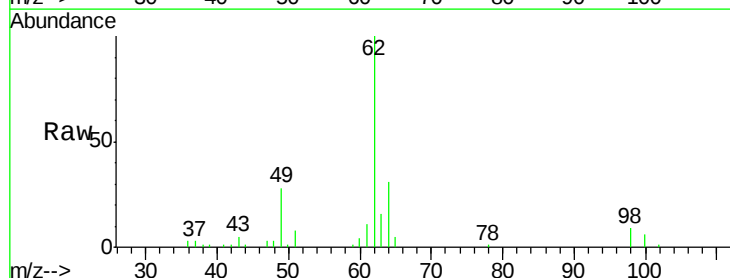
Manual Integrations
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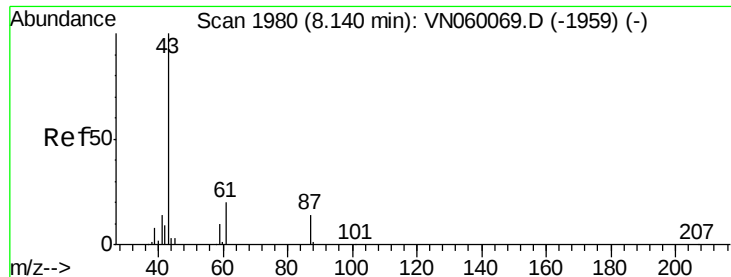
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.750 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2





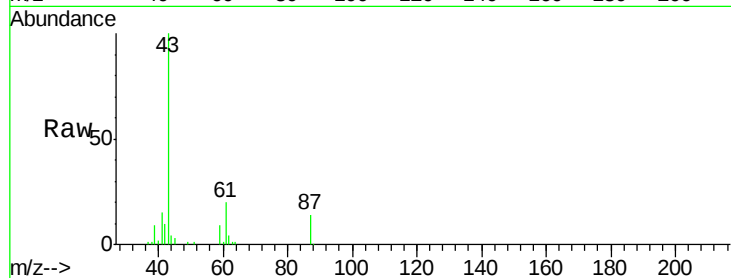
#43
Isopropyl Acetate
Concen: 19.947 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

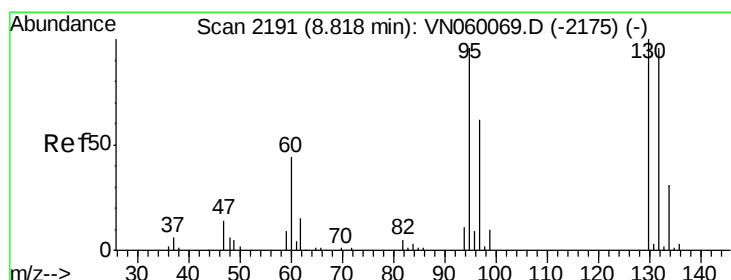
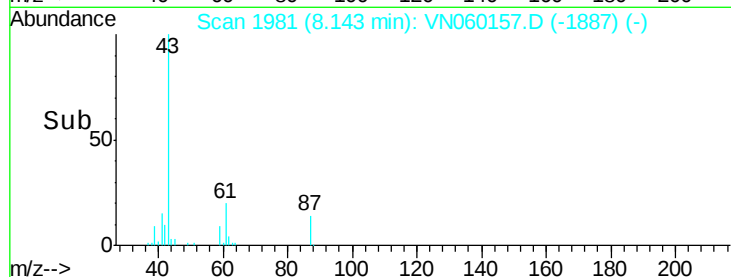
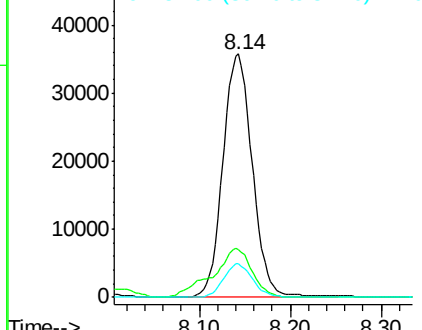
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.8	32.6
87	13.4	11.4	17.2

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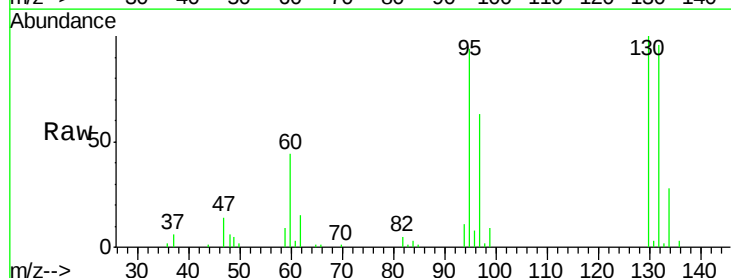


Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1959) (-)

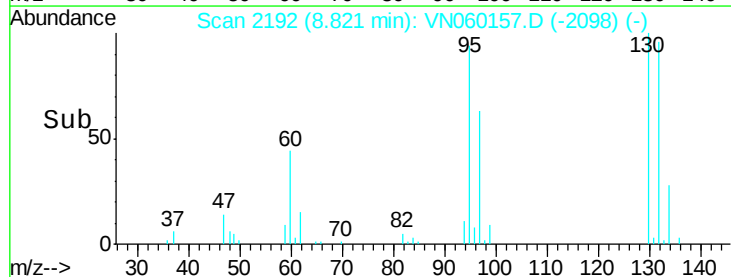
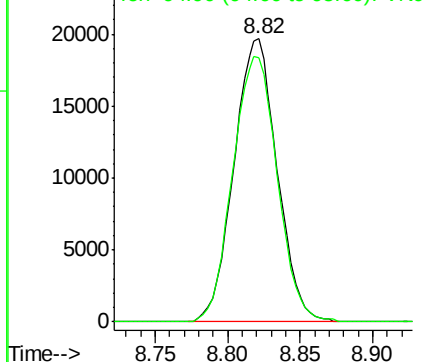


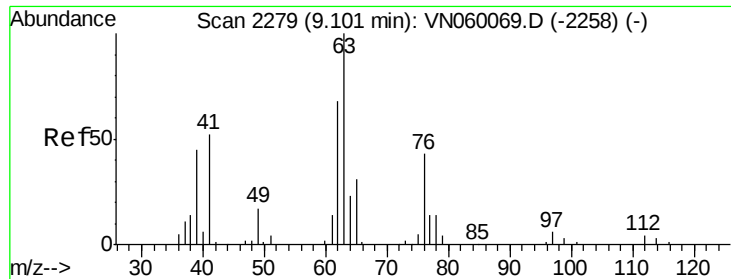
#44
Trichloroethene
Concen: 18.914 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	192.4



Abundance Ion 129.80 (129.50 to 130.50): VN060069.D (-2175) (-)





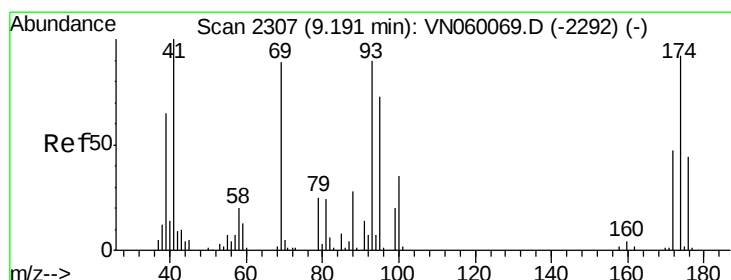
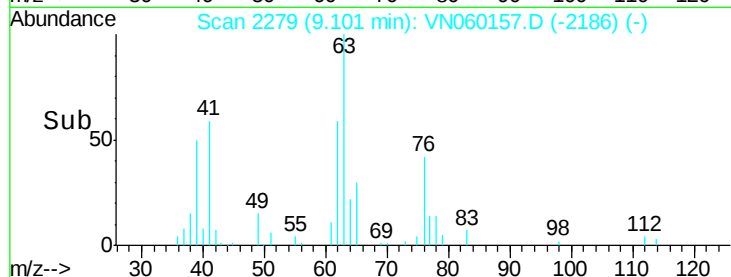
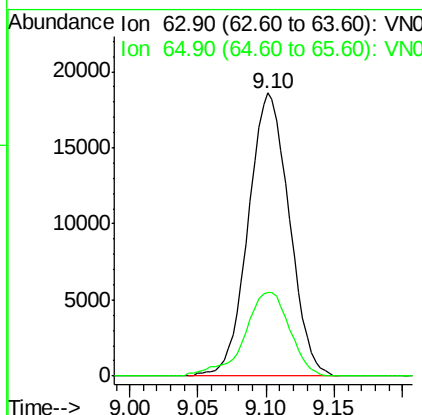
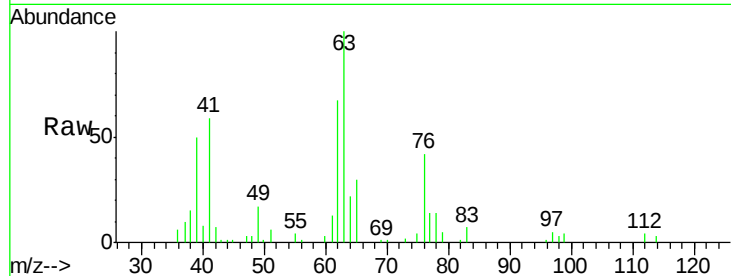
#45
 1,2-Dichloropropane
 Concen: 20.160 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

Tot Ion: 63 Resp: 38746
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.0 37.4

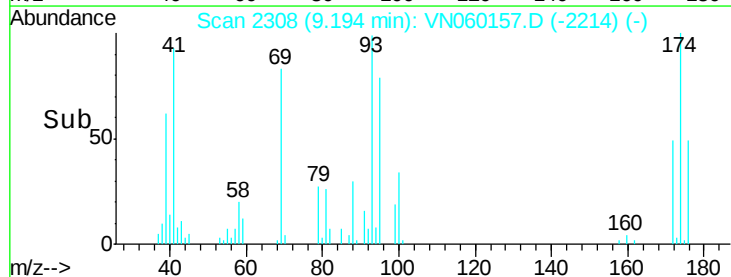
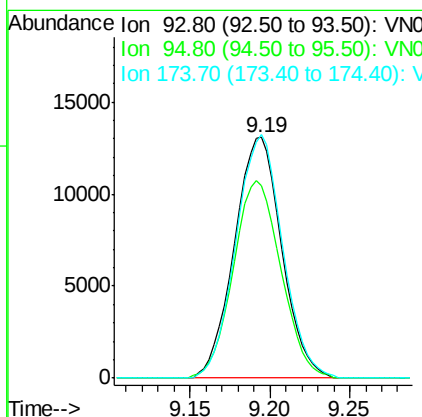
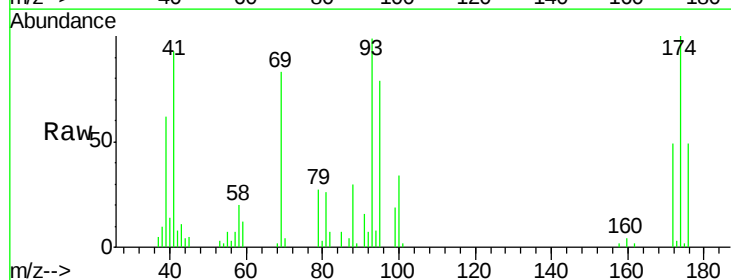
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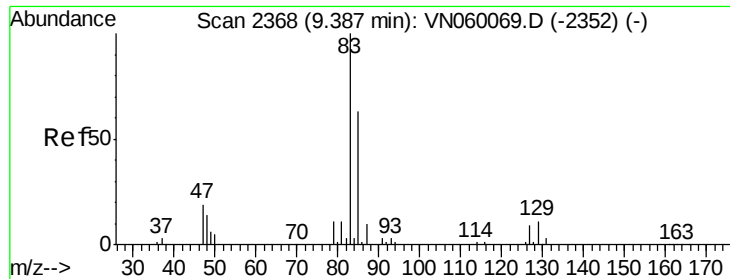
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#46
 Dibromomethane
 Concen: 19.506 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Tgt Ion: 93 Resp: 26493
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.0 97.6
 174 100.0 82.3 123.5





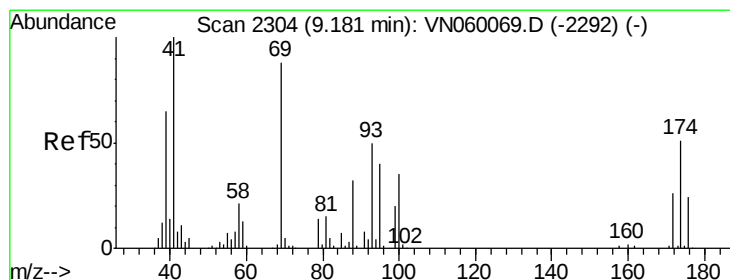
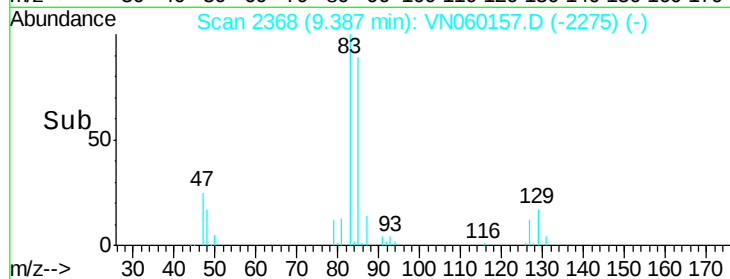
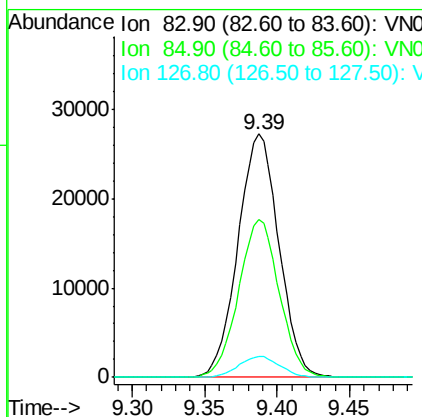
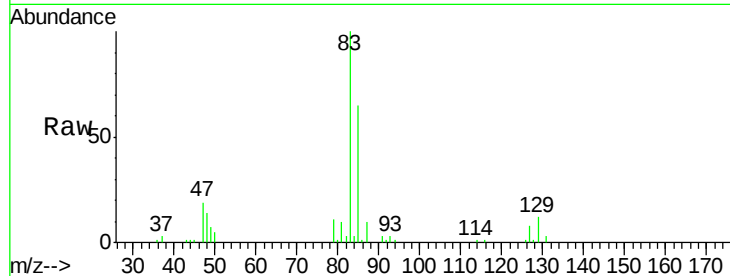
#47
Bromodichloromethane
Concen: 19.379 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampled :
VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.6	75.8
127	8.5	7.0	10.6

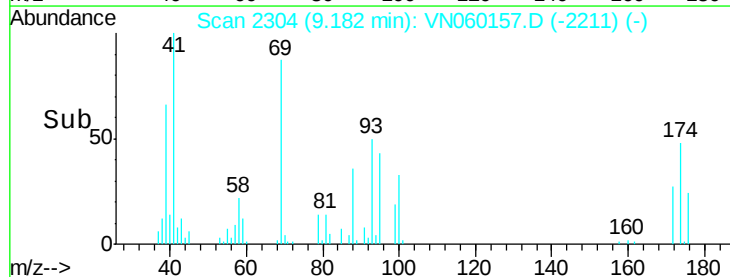
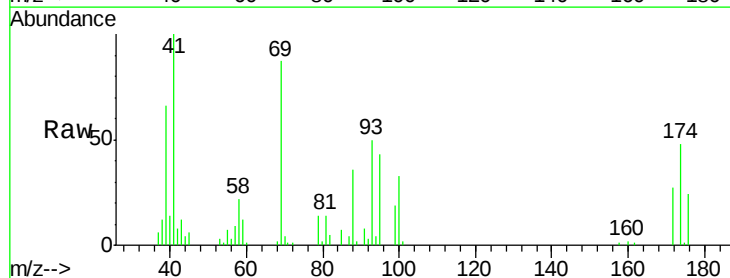
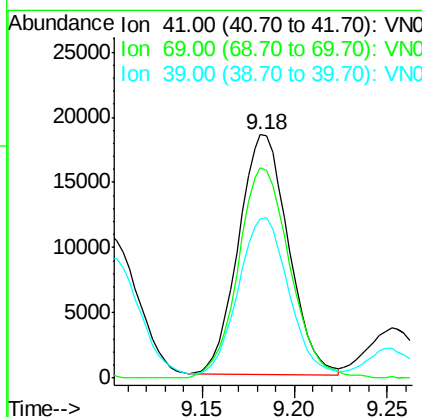
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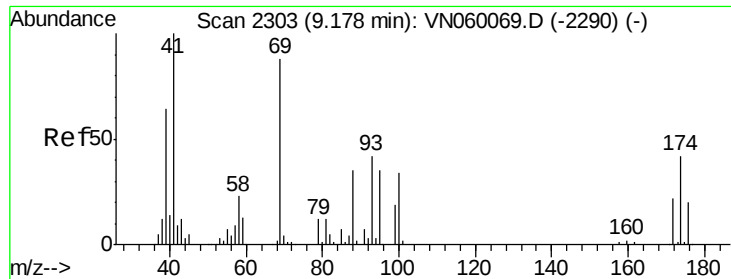
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#48
Methyl methacrylate
Concen: 18.934 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.3	72.0	108.0
39	69.5	54.1	81.1





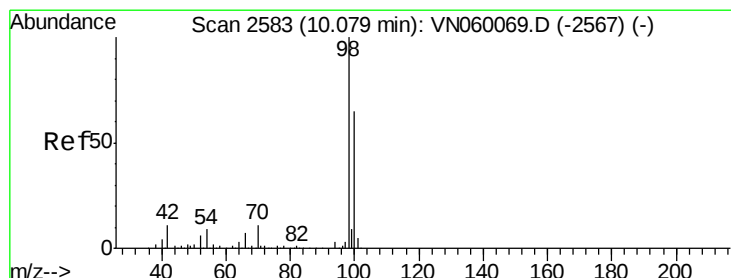
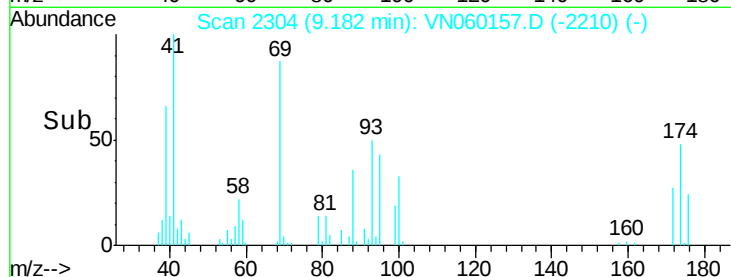
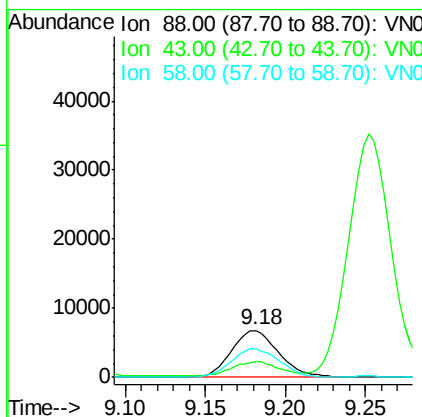
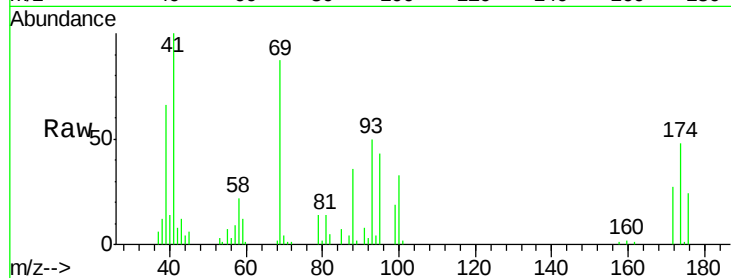
#49
1,4-Dioxane
Concen: 437.759 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion	88	Resp	13568
Ion Ratio	Lower	Upper	
88	100		
43	30.5	26.2	39.2
58	62.9	53.2	79.8

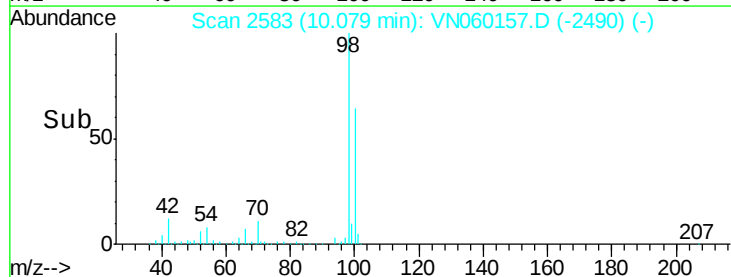
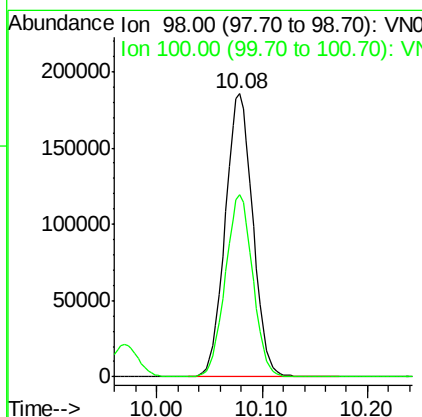
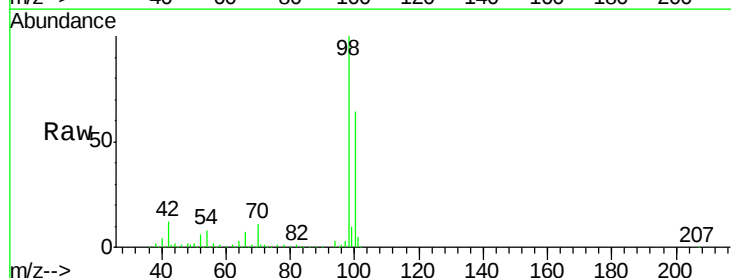
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#50
Toluene-d8
Concen: 48.987 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion	98	Resp	335043
Ion Ratio	Lower	Upper	
98	100		
100	64.0	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 102.914 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion: 43 Resp: 240843

Ion Ratio Lower Upper

43 100

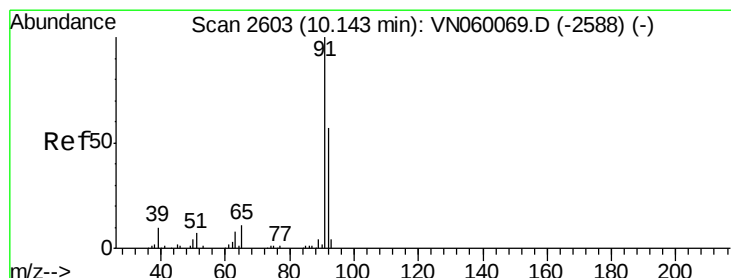
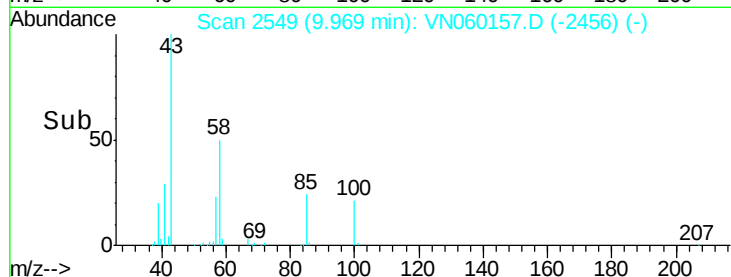
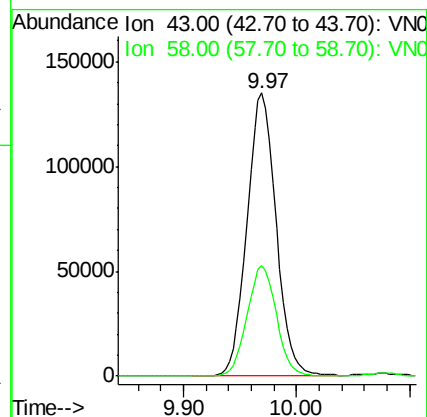
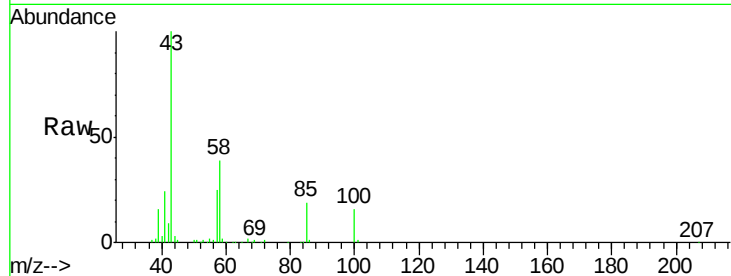
58 39.5 31.8 47.8

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#52

Toluene

Concen: 19.079 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060157.D

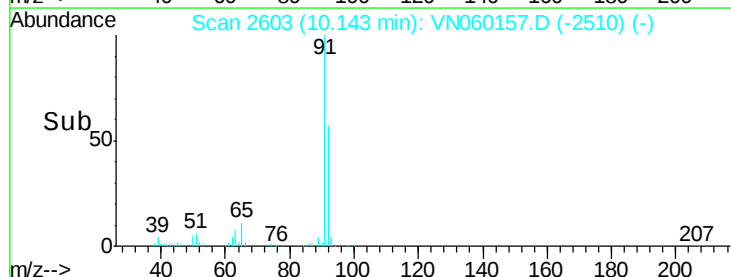
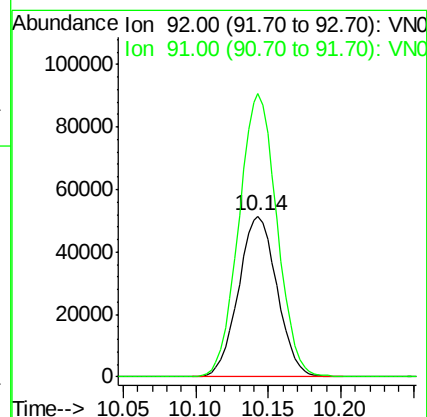
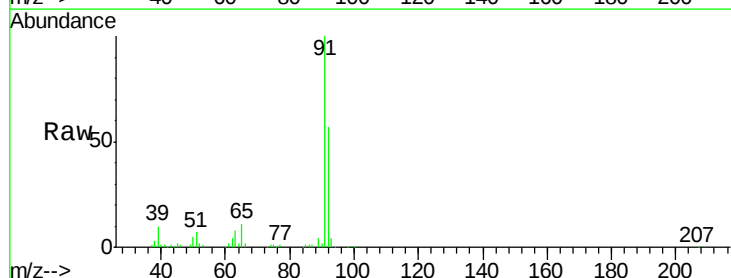
Acq: 19 Feb 2020 15:40

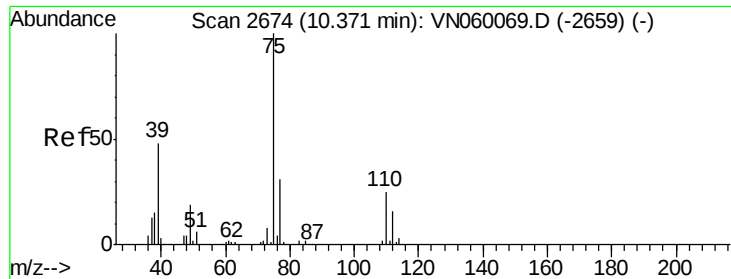
Tgt Ion: 92 Resp: 94981

Ion Ratio Lower Upper

92 100

91 173.9 140.9 211.3





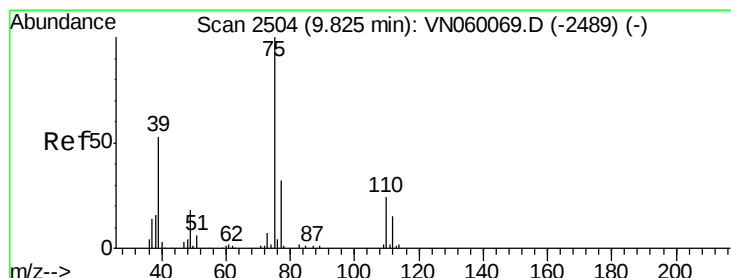
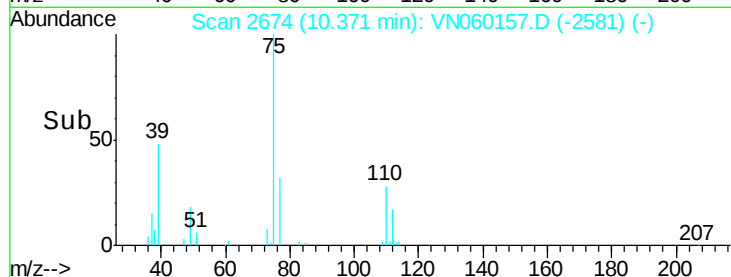
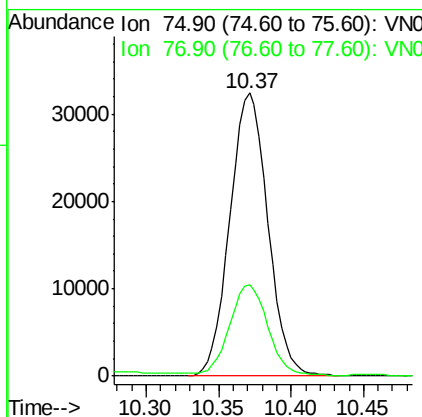
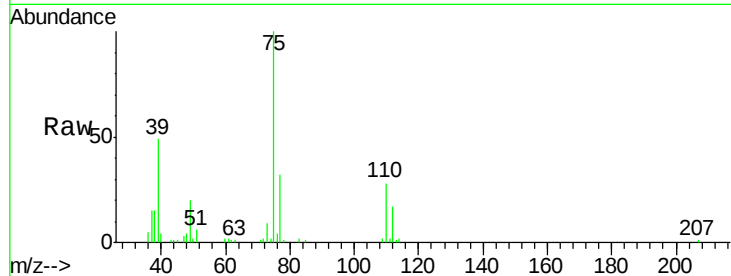
#53
t-1,3-Dichloropropene
Concen: 18.938 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampled :
VN0219WBSD01

Tot Ion: 75 Resp: 59027
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.0

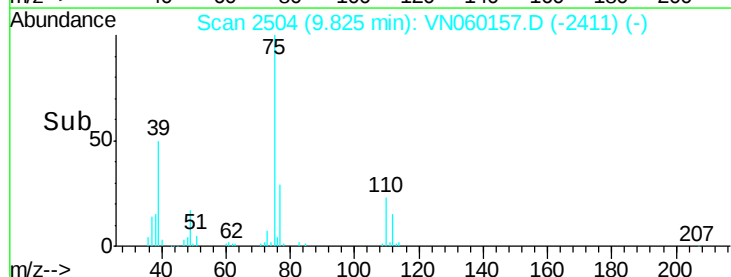
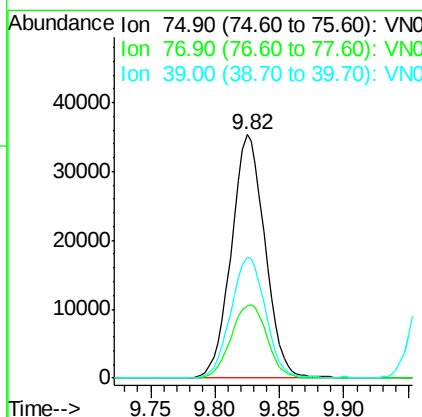
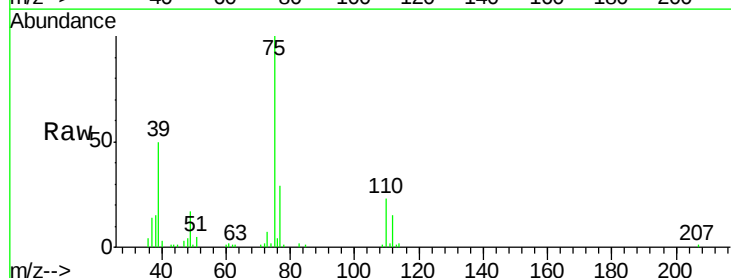
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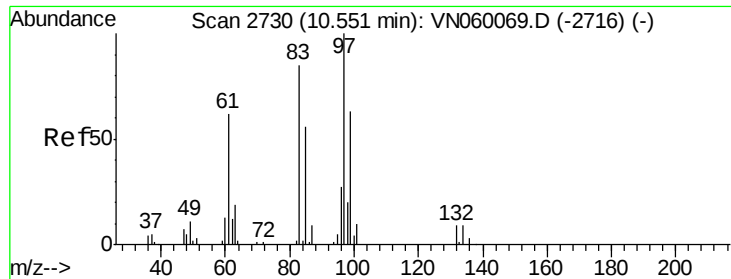
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#54
cis-1,3-Dichloropropene
Concen: 19.519 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion: 75 Resp: 64063
Ion Ratio Lower Upper
75 100
77 29.4 25.6 38.4
39 49.5 42.2 63.4





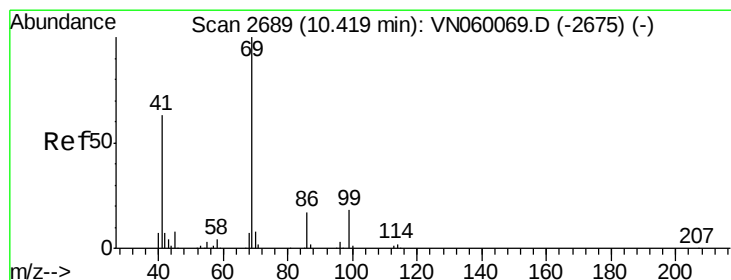
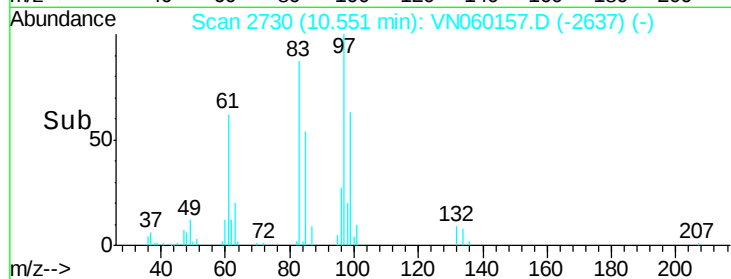
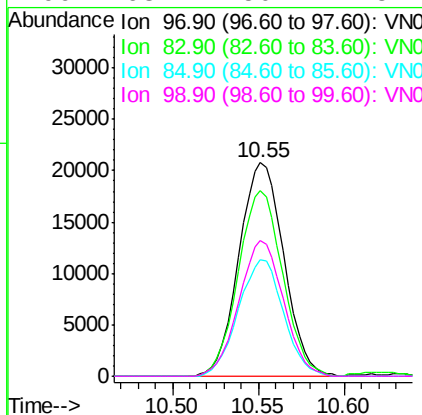
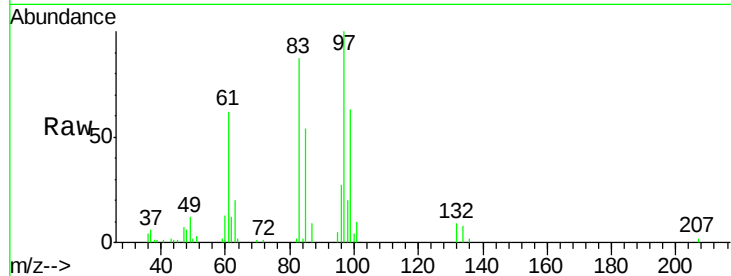
#55
 1,1,2-Trichloroethane
 Concen: 19.422 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

Tot Ion:	97	Resp:	37721
Ion	Ratio	Lower	Upper
97	100		
83	87.2	67.9	101.9
85	54.5	44.6	67.0
99	63.4	50.1	75.1

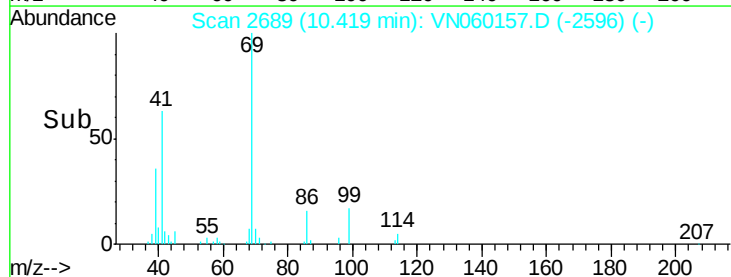
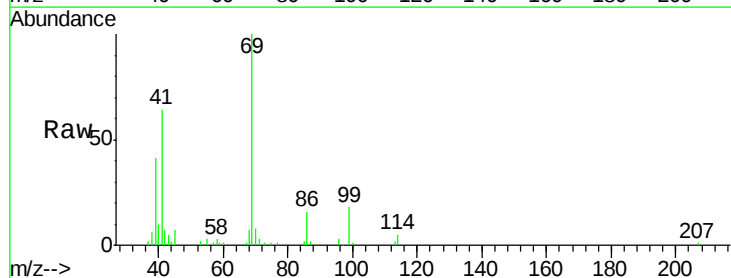
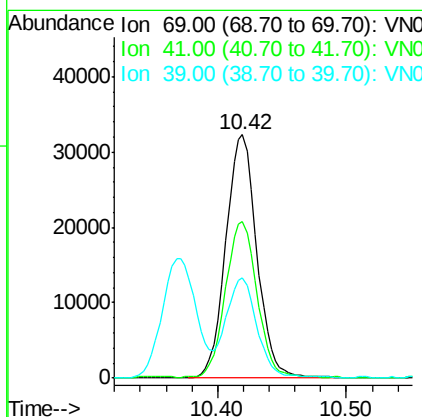
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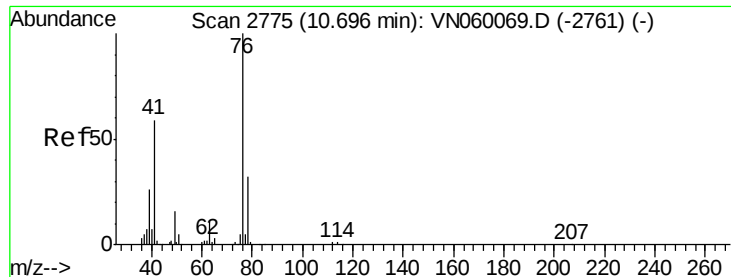
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#56
 Ethyl methacrylate
 Concen: 19.668 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Tgt Ion:	69	Resp:	54036
Ion	Ratio	Lower	Upper
69	100		
41	66.0	51.1	76.7
39	39.8	33.8	50.8





#57

1,3-Dichloropropane

Concen: 19.573 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion: 76 Resp: 62724

Ion Ratio Lower Upper

76 100

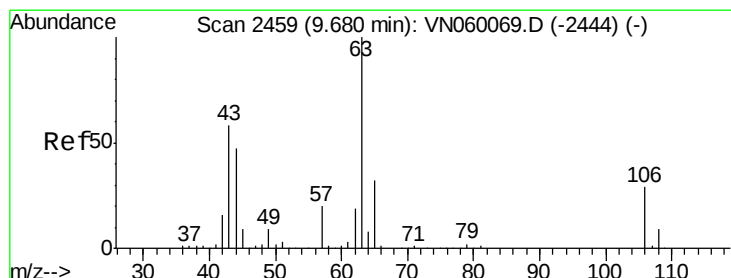
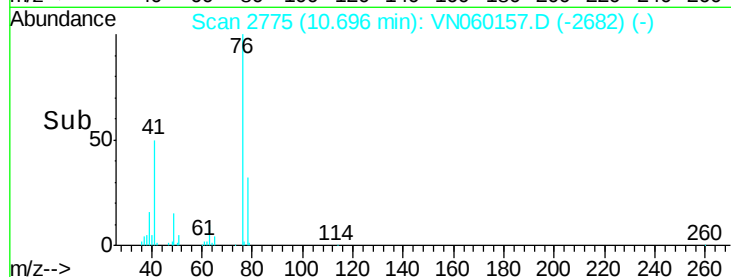
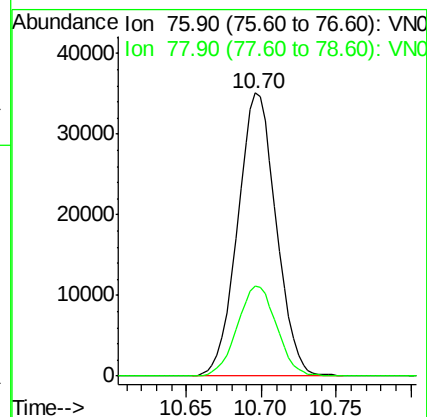
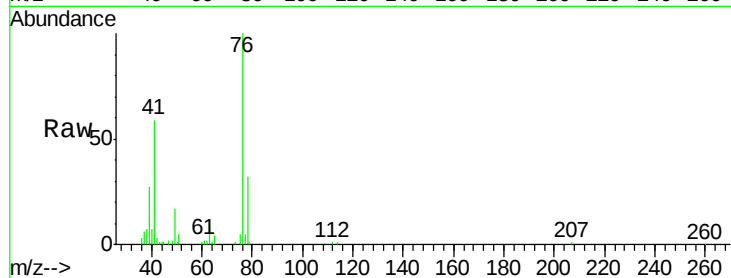
78 32.5 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 96.966 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060157.D

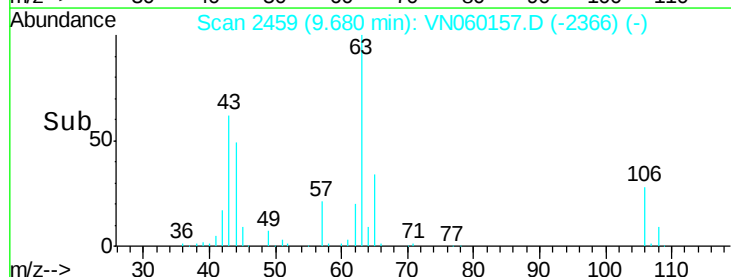
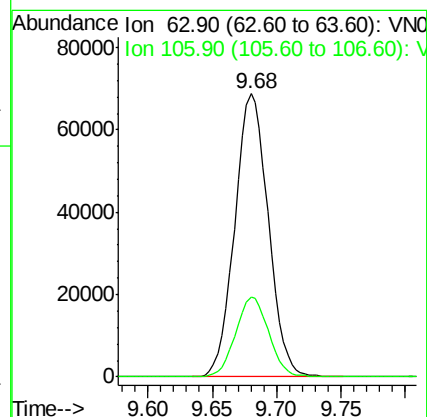
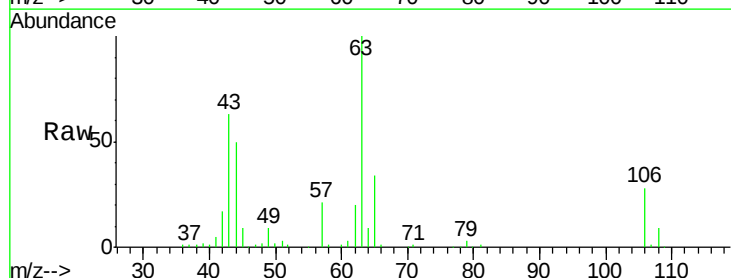
Acq: 19 Feb 2020 15:40

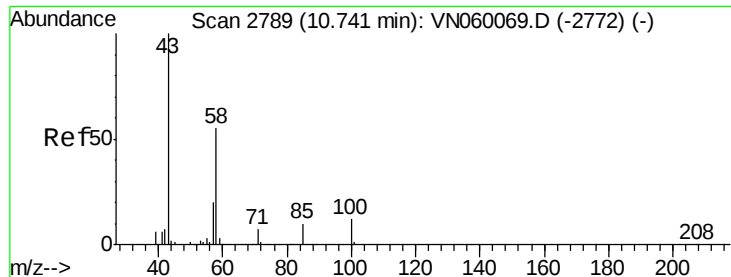
Tgt Ion: 63 Resp: 124110

Ion Ratio Lower Upper

63 100

106 27.9 22.9 34.3





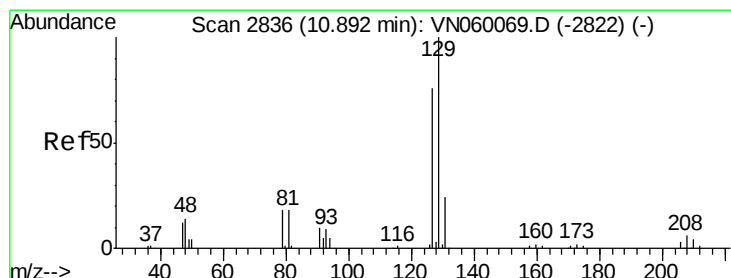
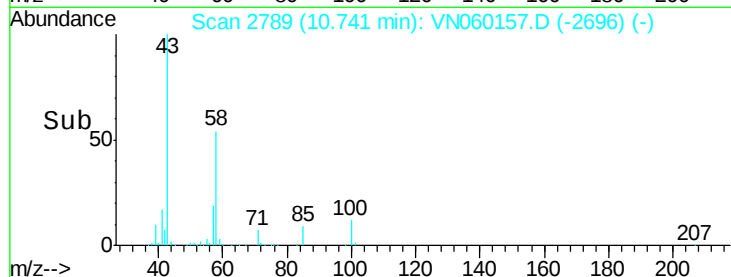
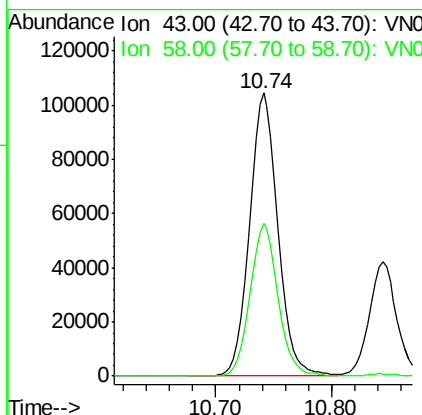
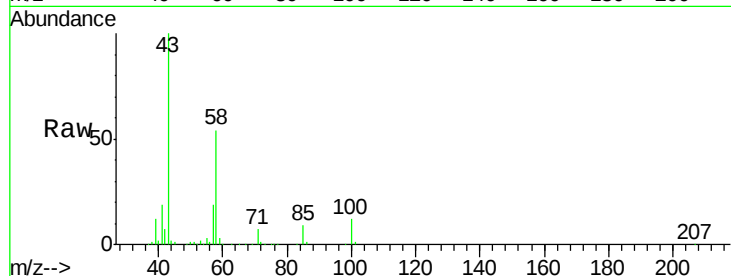
#59
2-Hexanone
Concen: 98.049 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion: 43 Resp: 177250
Ion Ratio Lower Upper
43 100
58 53.4 27.5 82.4

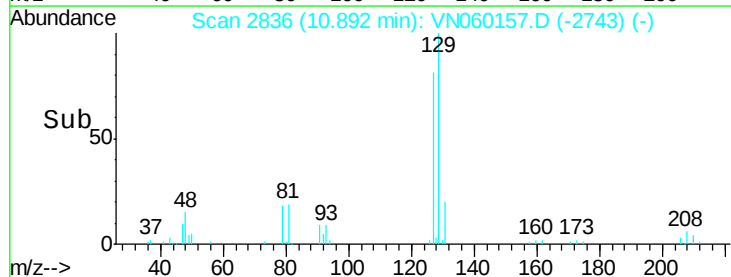
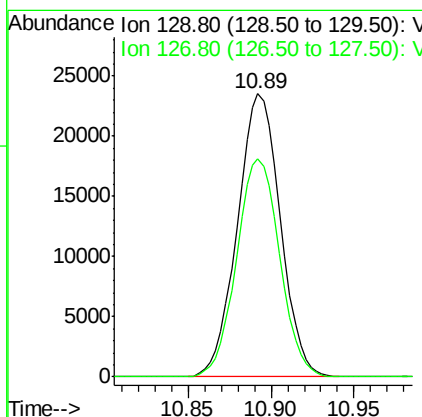
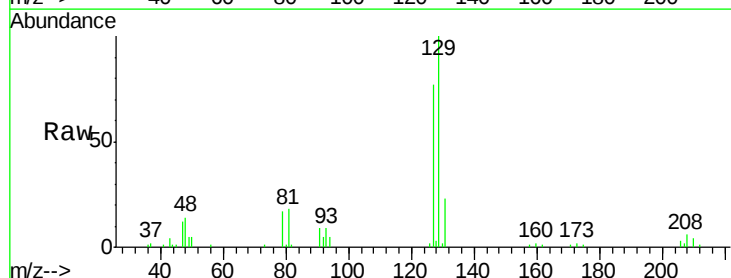
Manual Integrations
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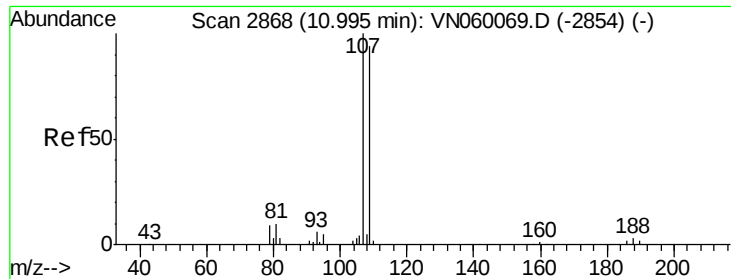
MMDadoda
2/21/2020 11:48:35 AM



#60
Dibromochloromethane
Concen: 18.973 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion: 129 Resp: 42286
Ion Ratio Lower Upper
129 100
127 77.5 38.0 114.1





#61

1,2-Dibromoethane

Concen: 18.948 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion: 107 Resp: 38577

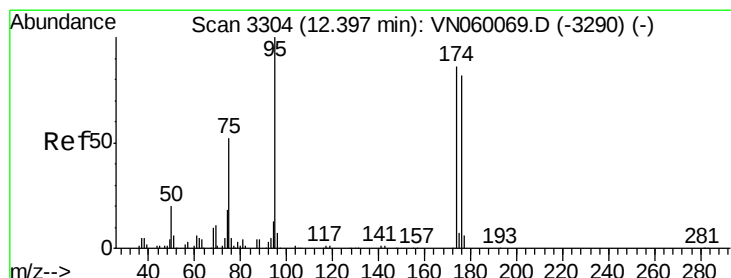
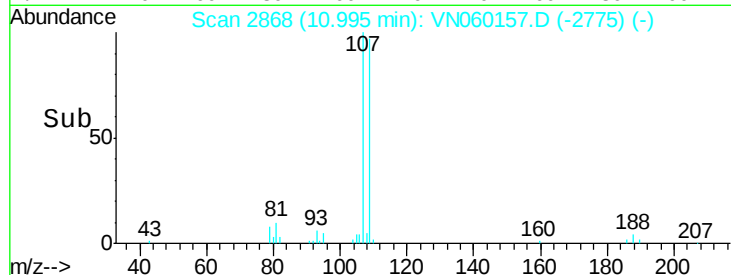
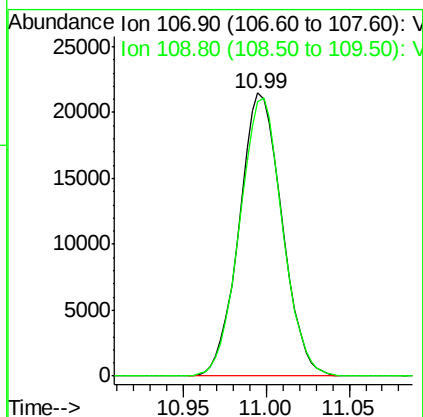
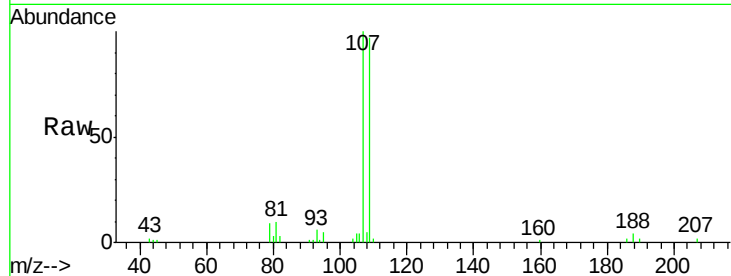
Ion Ratio Lower Upper

107 100

109 98.4 75.4 113.0

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2/21/2020 11:48:35 AM



#62

4-Bromofluorobenzene

Concen: 47.719 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

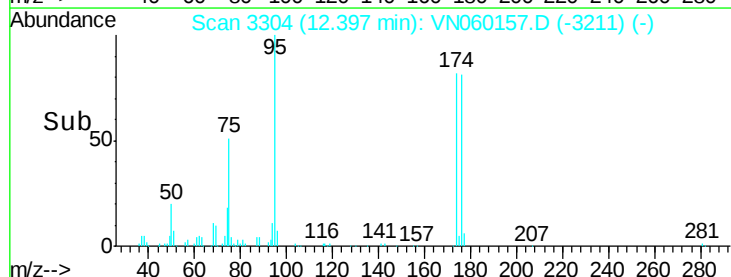
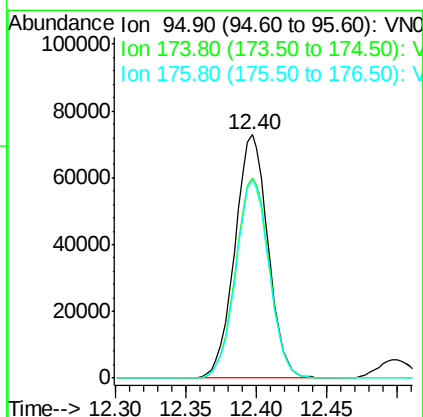
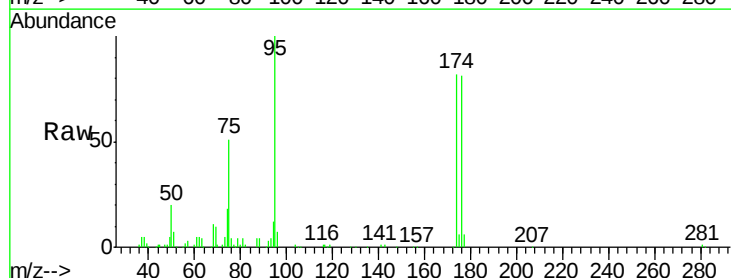
Tgt Ion: 95 Resp: 119926

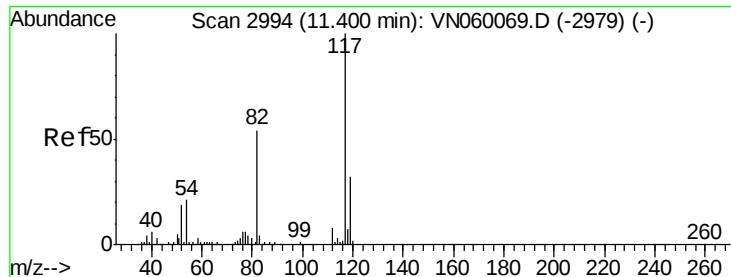
Ion Ratio Lower Upper

95 100

174 84.1 0.0 169.8

176 81.7 0.0 164.8





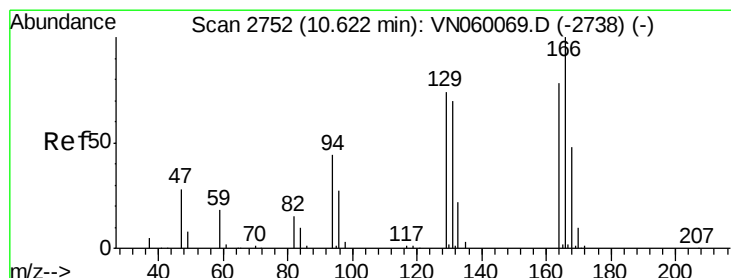
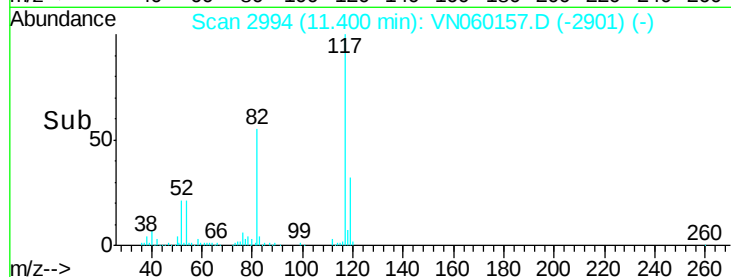
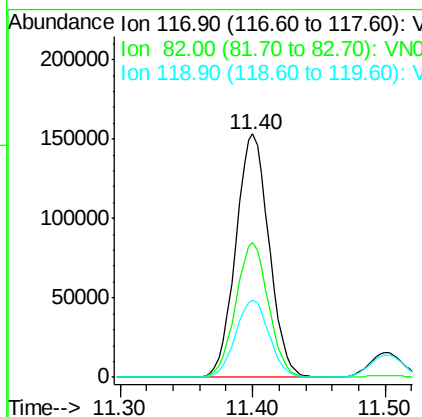
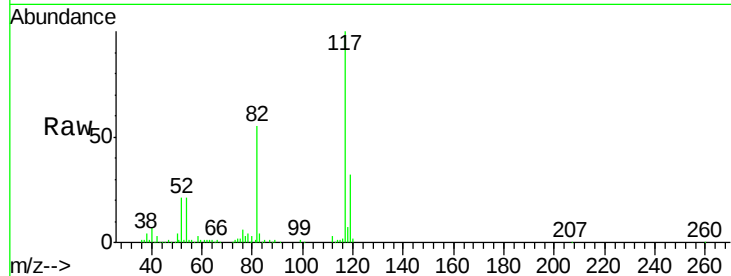
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	266425		
82	55.3		43.4	65.0
119	31.9		25.8	38.6

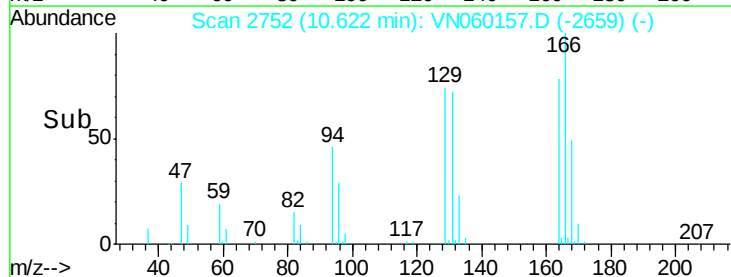
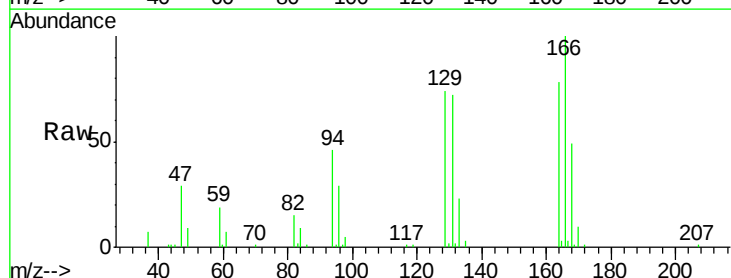
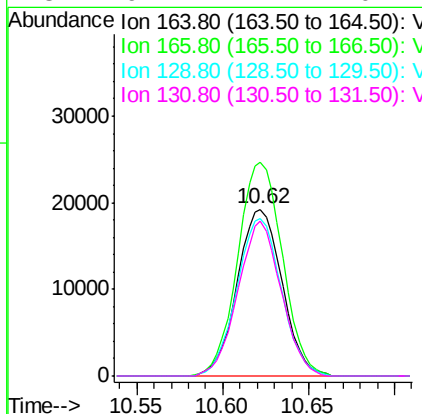
Manual Integrations
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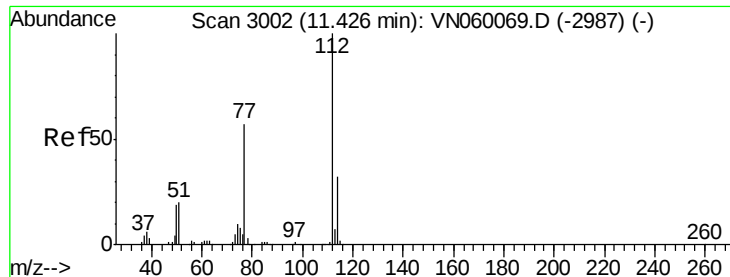
MMDadoda
2/21/2020 11:48:35 AM



#64
Tetrachloroethene
Concen: 17.216 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34869		
166	127.9		101.9	152.9
129	94.5		75.4	113.0
131	92.7		71.4	107.2





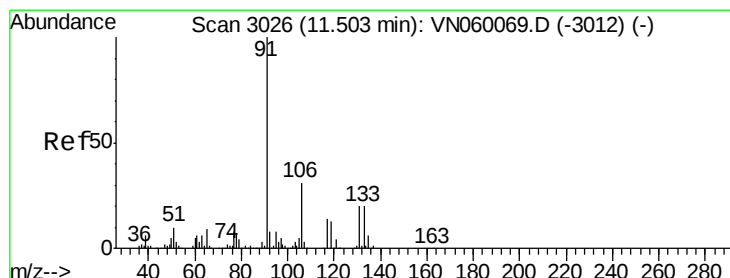
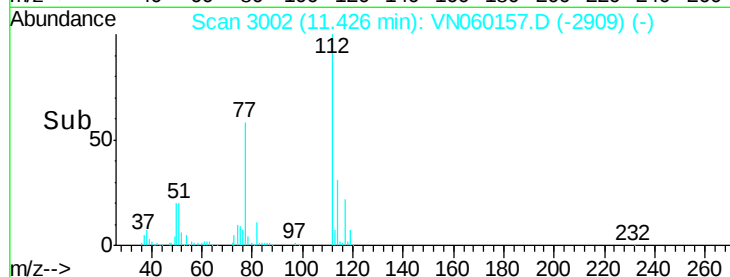
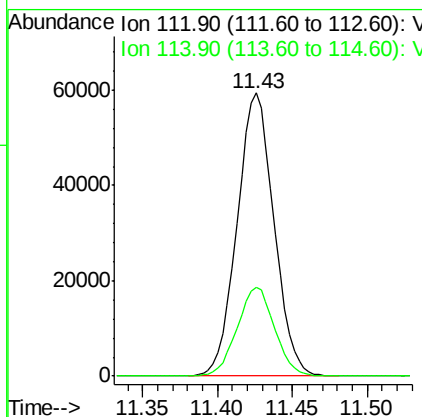
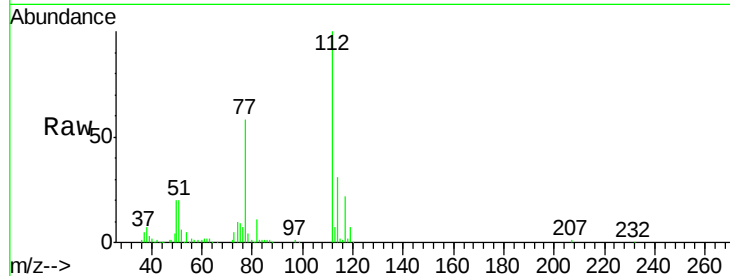
#65
Chlorobenzene
Concen: 18.764 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion:112 Resp: 101852
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0

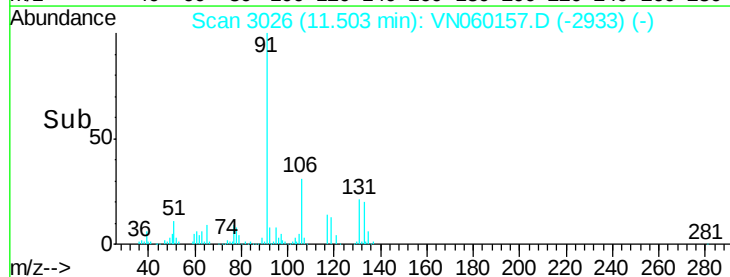
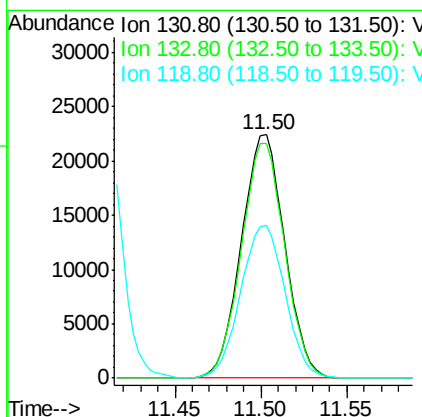
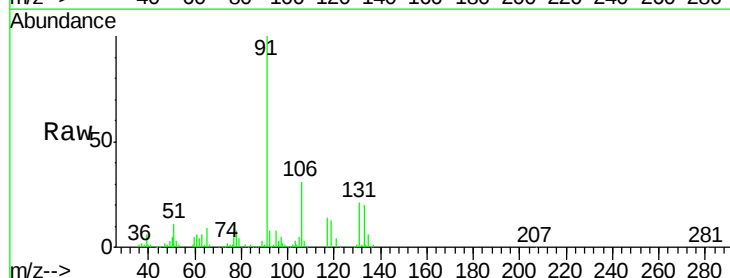
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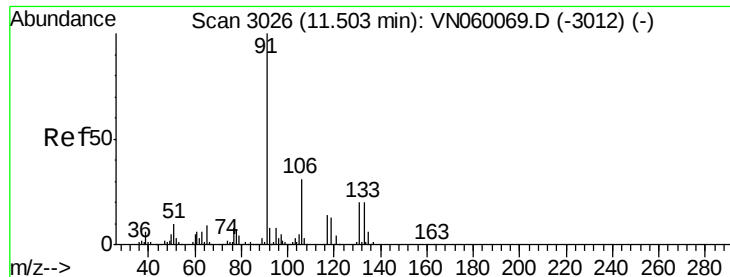
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.107 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion:131 Resp: 39235
Ion Ratio Lower Upper
131 100
133 96.2 47.9 143.7
119 64.3 32.6 97.7





#67

Ethyl Benzene

Concen: 18.553 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion: 91 Resp: 181629

Ion Ratio Lower Upper

91 100

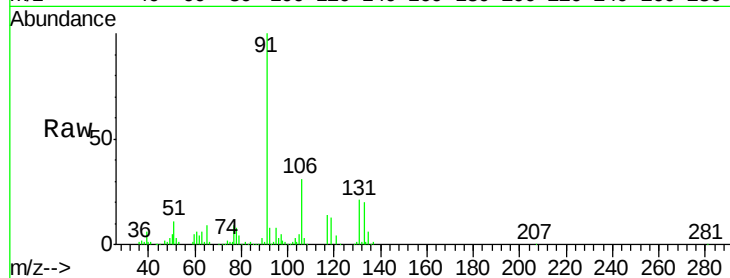
106 30.9 25.1 37.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN060069.D (-3012) (-)

150000

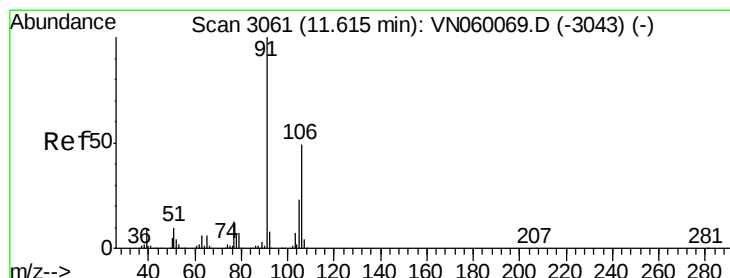
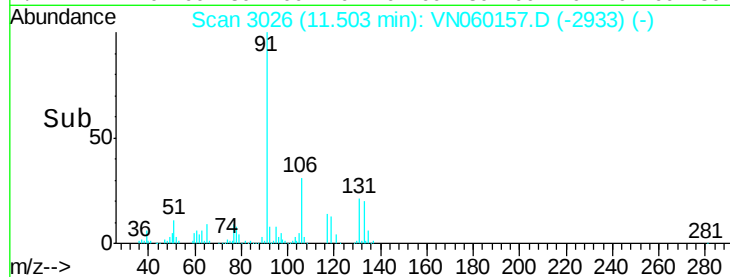
100000

50000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 37.030 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060157.D

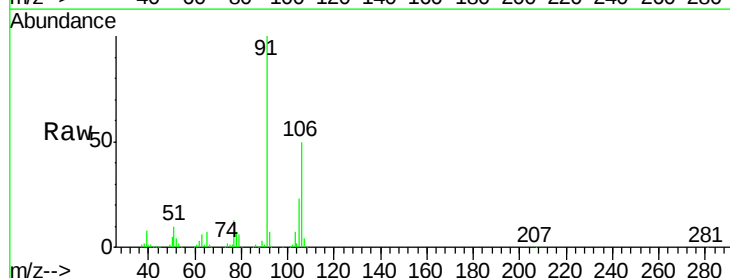
Acq: 19 Feb 2020 15:40

Tgt Ion: 106 Resp: 136058

Ion Ratio Lower Upper

106 100

91 202.7 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): VN060069.D (-3043) (-)

Ion 91.00 (90.70 to 91.70): VN060069.D (-3043) (-)

150000

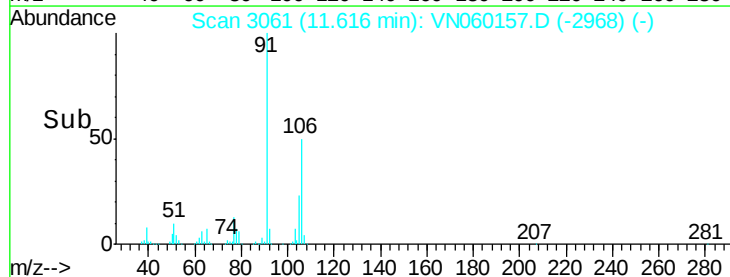
100000

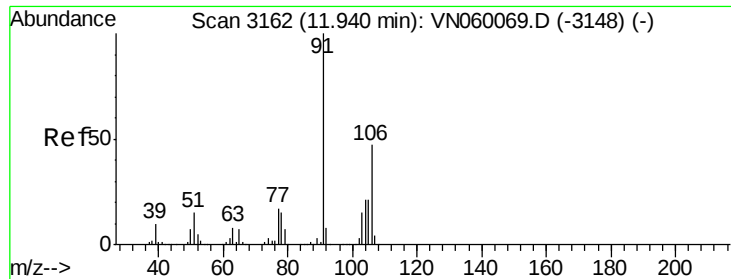
50000

0

11.55 11.60 11.65 11.70

Time-->





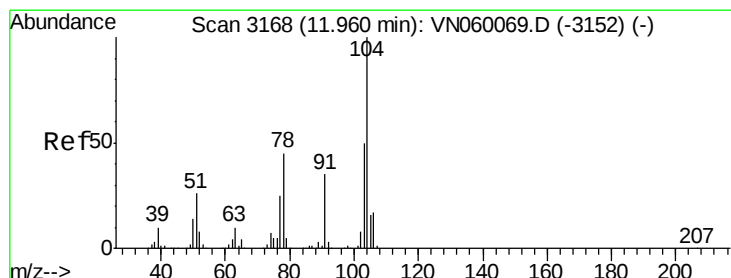
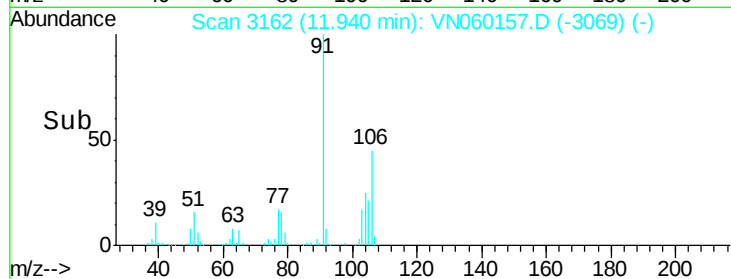
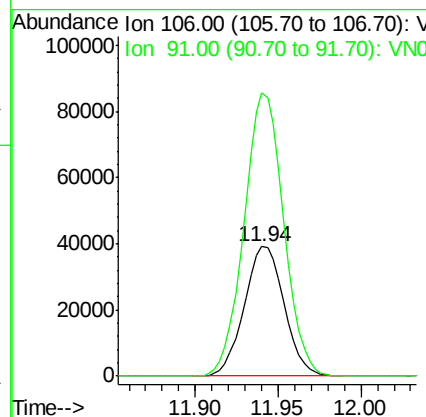
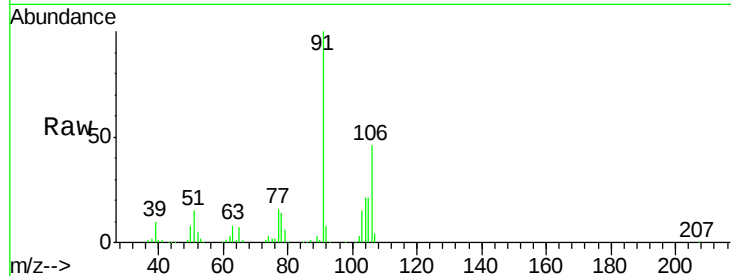
#69
o-Xylene
Concen: 18.587 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion:106 Resp: 65755
Ion Ratio Lower Upper
106 100
91 216.3 107.2 321.6

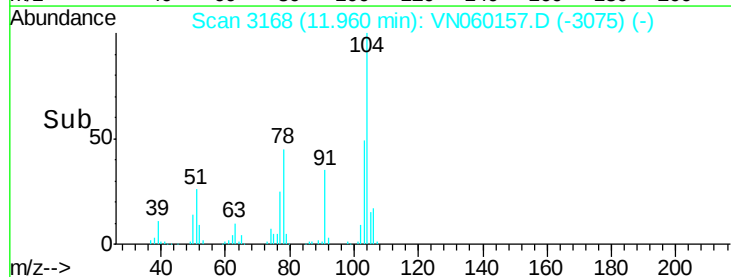
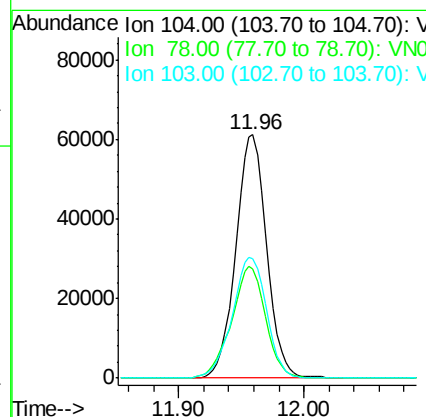
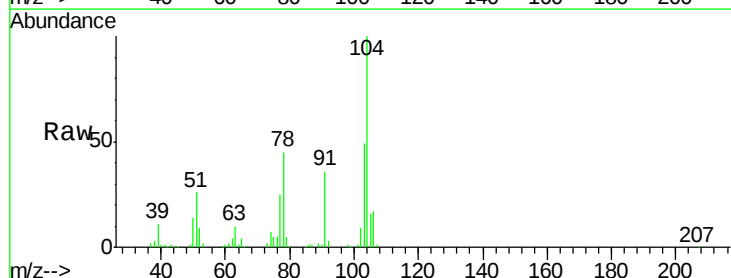
Manual Integrations
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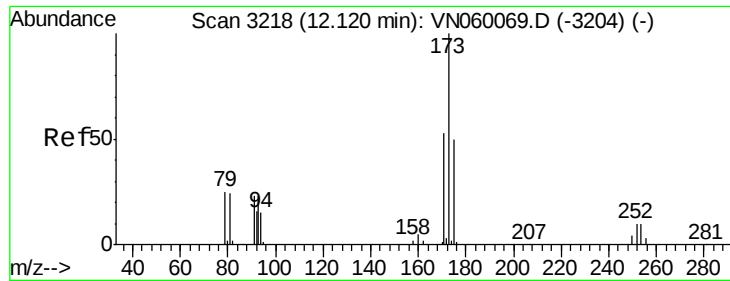
MMDadoda
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#70
Styrene
Concen: 18.346 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion:104 Resp: 104662
Ion Ratio Lower Upper
104 100
78 50.4 40.2 60.2
103 54.9 44.3 66.5





#71

Bromoform

Concen: 18.655 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

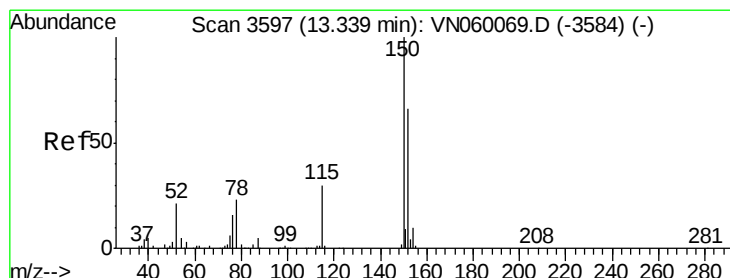
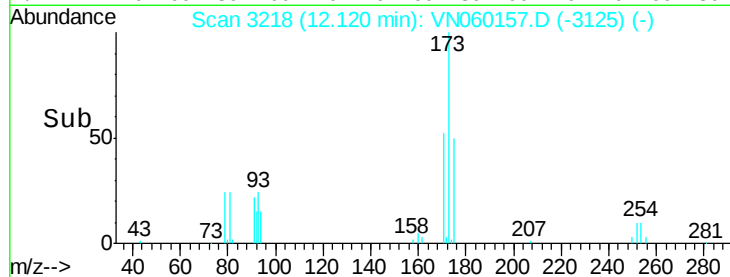
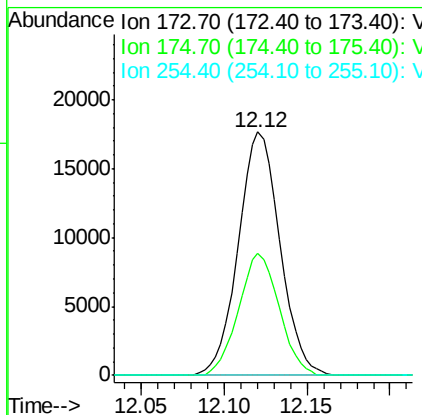
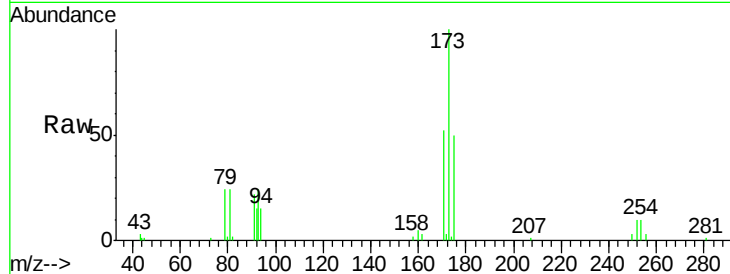
ClientSampleId :

VN0219WBSD01

Tot Ion:	173	Resp:	30810
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.9	74.6
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

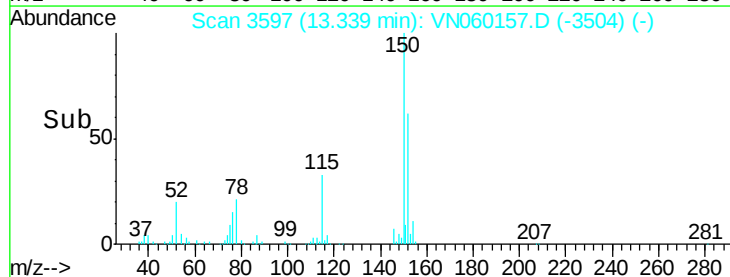
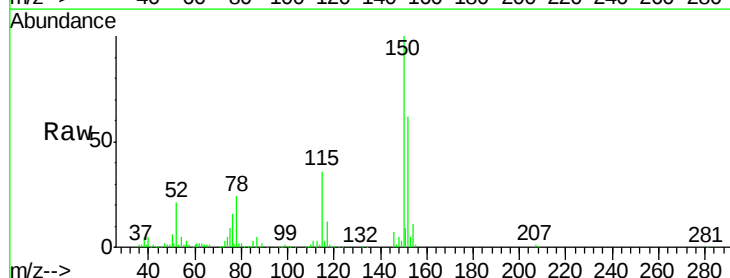
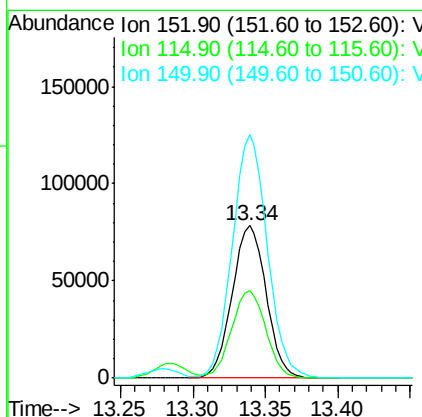
RT: 13.34 min Scan# 3597

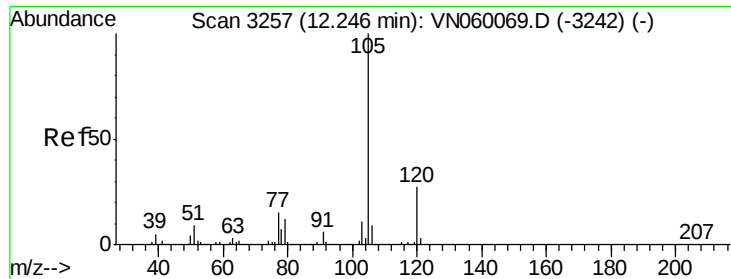
Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Tgt Ion:	152	Resp:	128071
Ion Ratio	Lower	Upper	
152	100		
115	57.7	28.9	86.8
150	164.2	0.0	342.4





#73

Isopropylbenzene

Concen: 18.478 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion:105 Resp: 176722

Ion Ratio Lower Upper

105 100

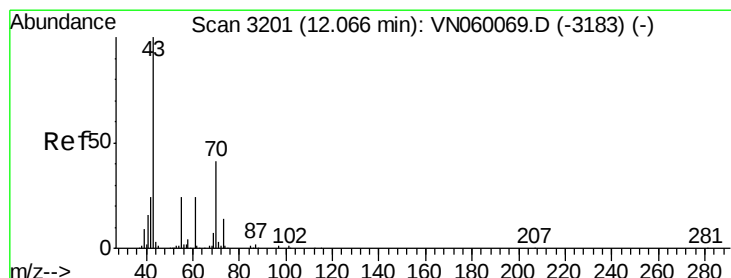
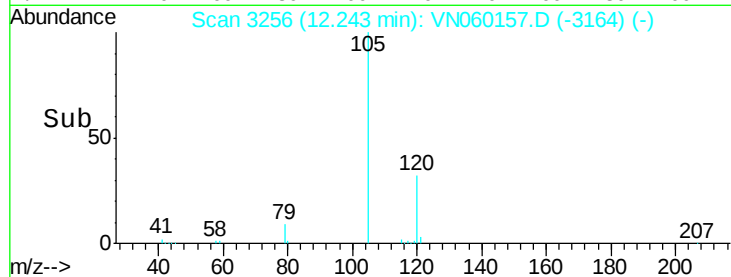
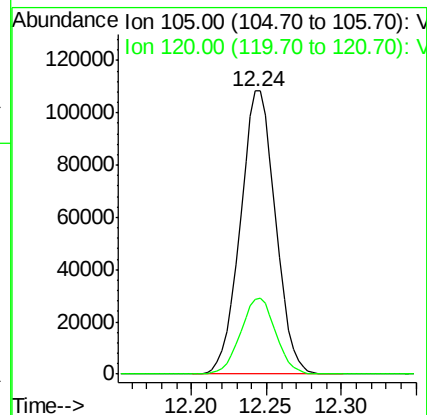
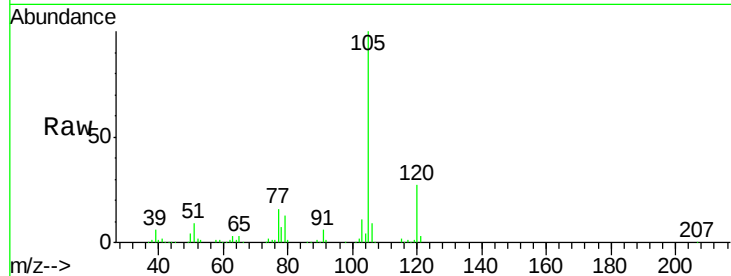
120 26.8 13.3 39.8

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#74

N-ethyl acetate

Concen: 19.518 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Tgt Ion: 43 Resp: 67309

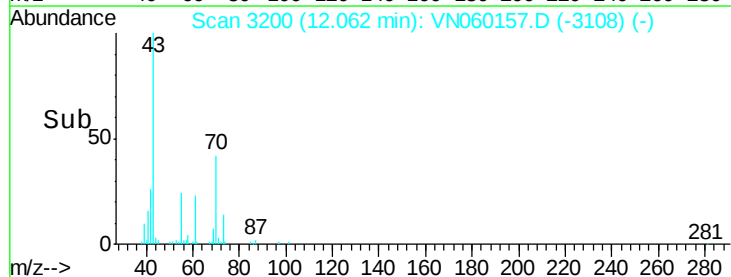
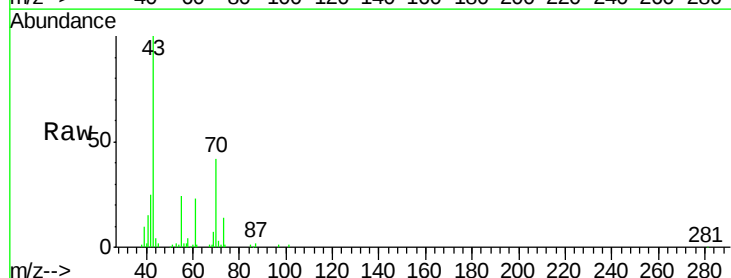
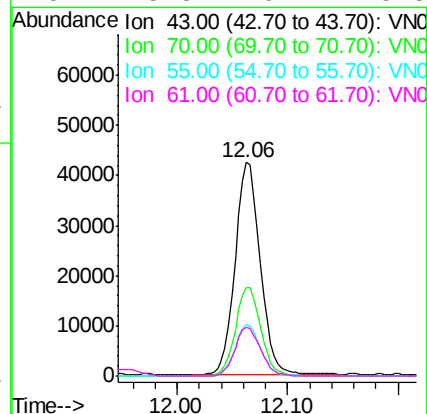
Ion Ratio Lower Upper

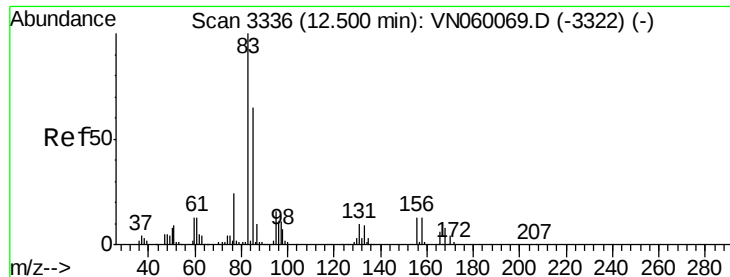
43 100

70 41.8 33.4 50.0

55 24.2 18.8 28.2

61 23.3 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.408 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

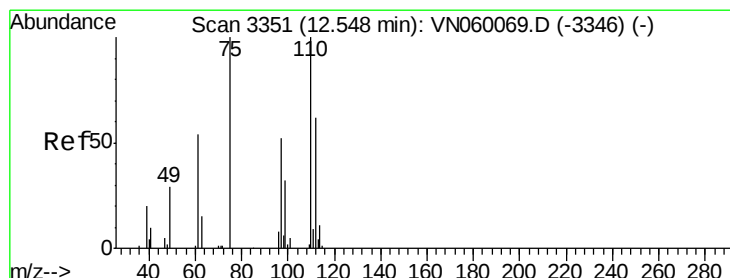
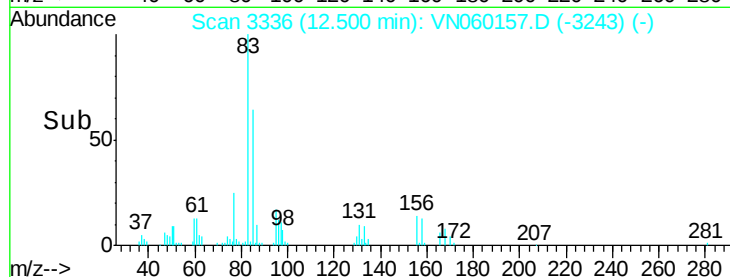
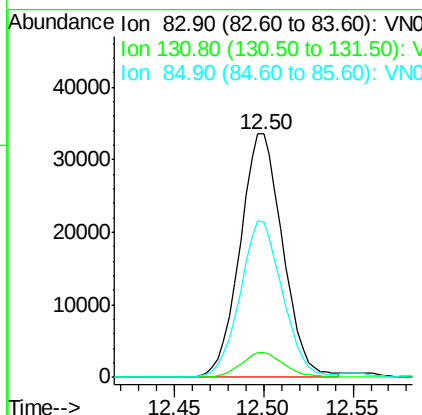
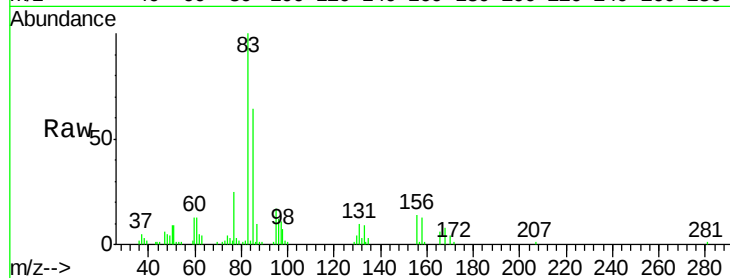
ClientSampleId :

VN0219WBSD01

Tot Ion:	83	Resp:	56178
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.2	15.6
85	63.8	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.057 ug/l m

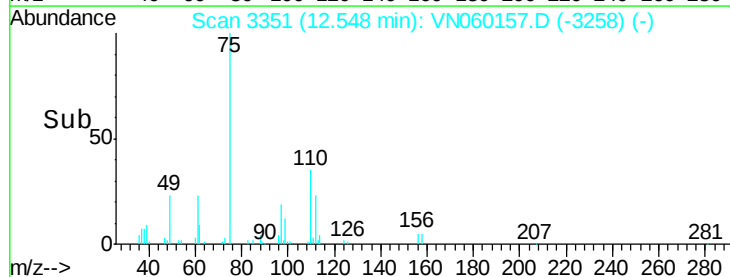
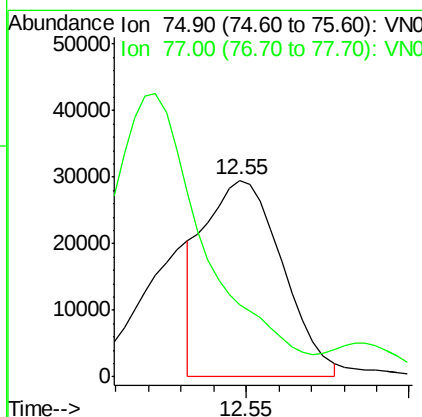
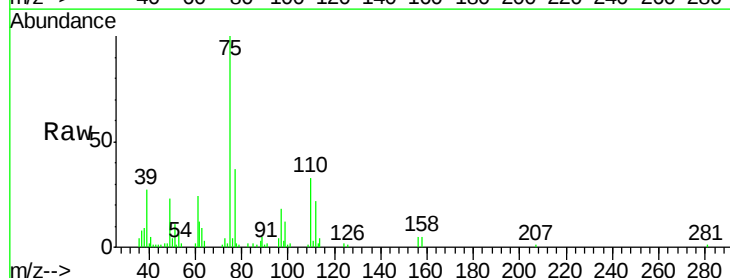
RT: 12.55 min Scan# 3351

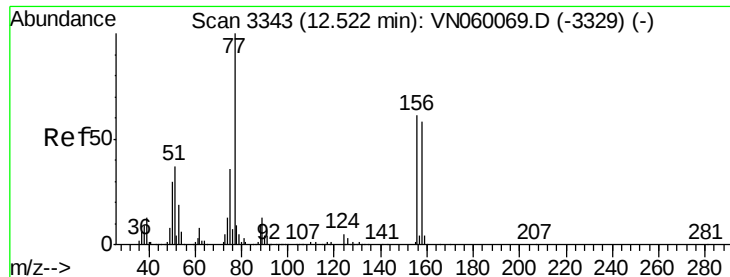
Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Tgt Ion:	75	Resp:	49145
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.943 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

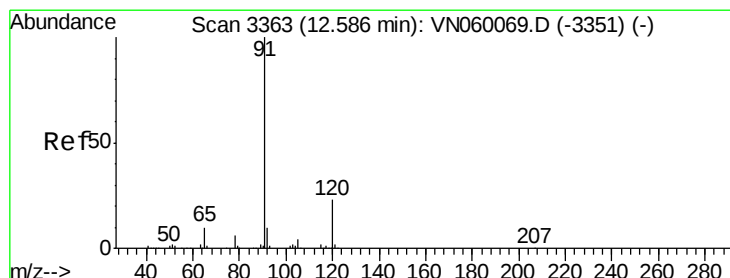
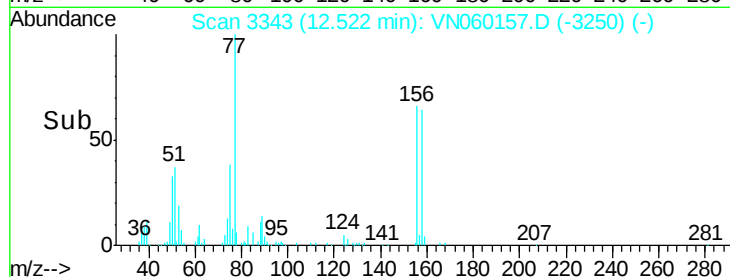
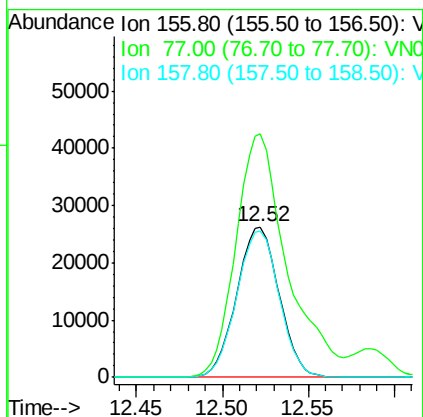
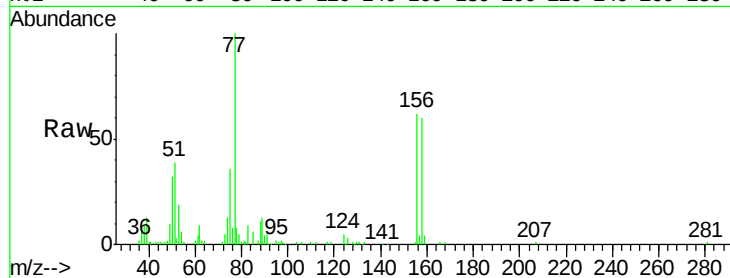
ClientSampleId :

VN0219WBSD01

Tot Ion:	156	Resp:	44959
Ion	Ratio	Lower	Upper
156	100		
77	196.2	98.7	296.1
158	97.7	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 18.401 ug/l

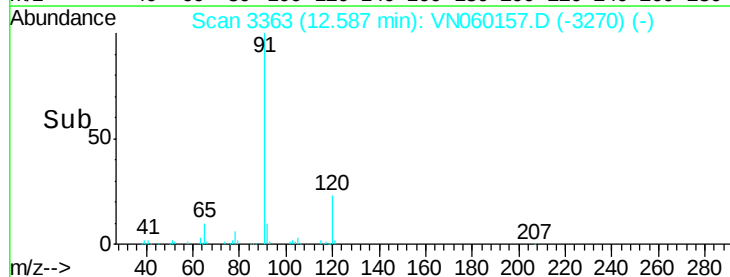
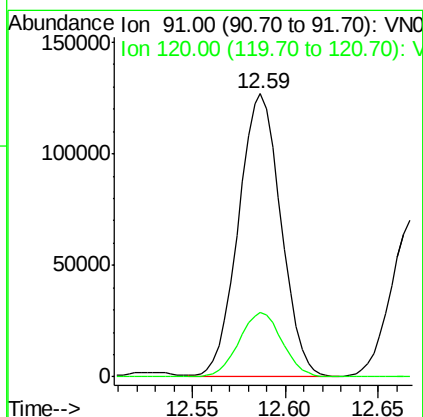
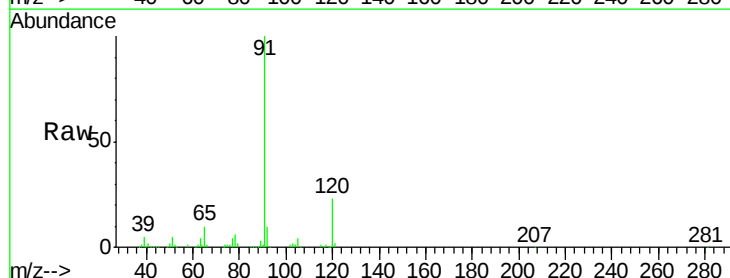
RT: 12.59 min Scan# 3363

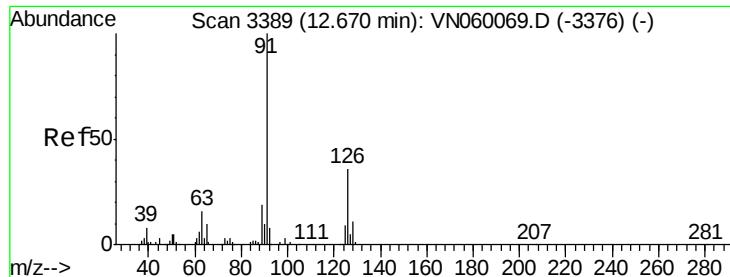
Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Tgt Ion:	91	Resp:	200499
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 18.503 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBSD01

Tot Ion: 91 Resp: 118502

Ion Ratio Lower Upper

91 100

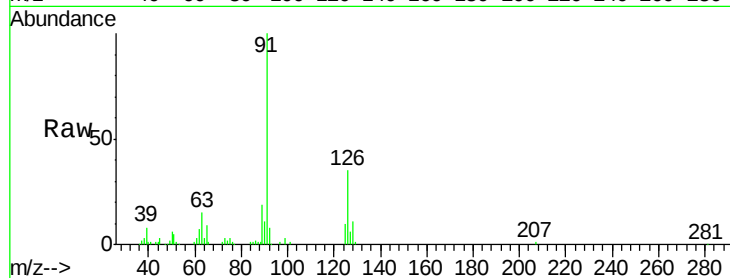
126 34.8 17.4 52.2

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Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060069.D (-3376) (-)

100000

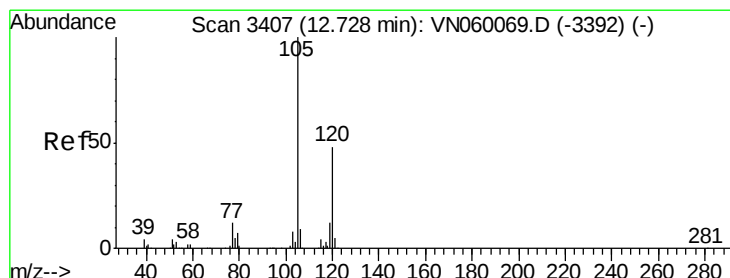
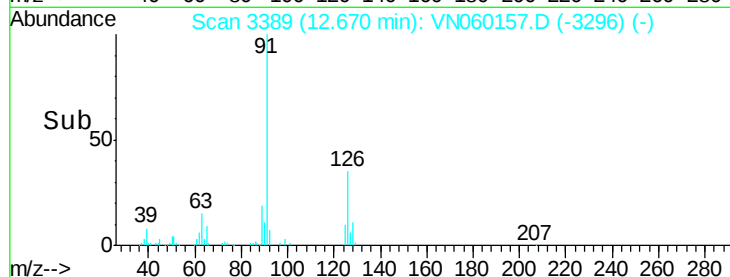
50000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.728 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060157.D

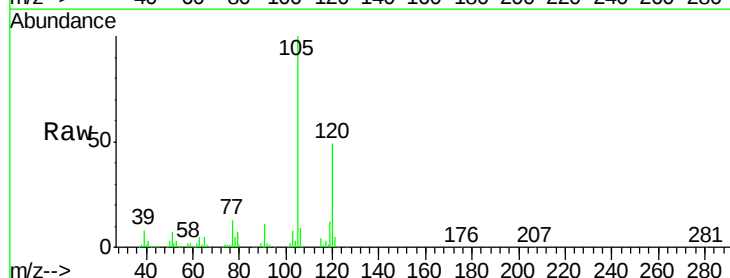
Acq: 19 Feb 2020 15:40

Tgt Ion: 105 Resp: 148919

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN060069.D (-3392) (-)

100000

80000

60000

40000

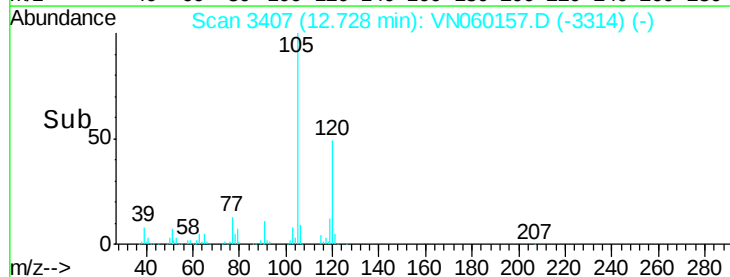
20000

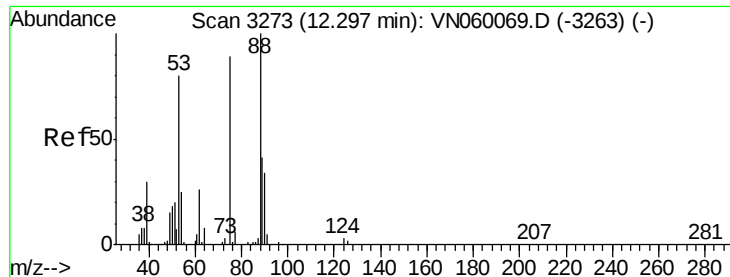
0

12.65 12.70 12.75 12.80

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.641 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

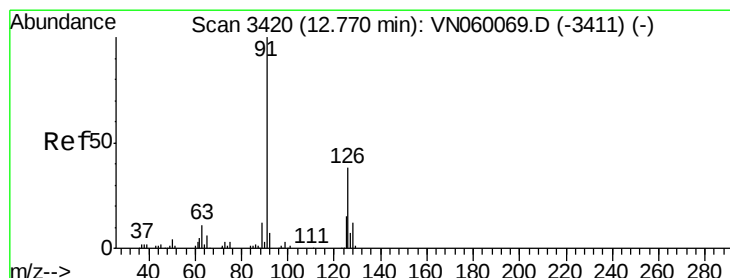
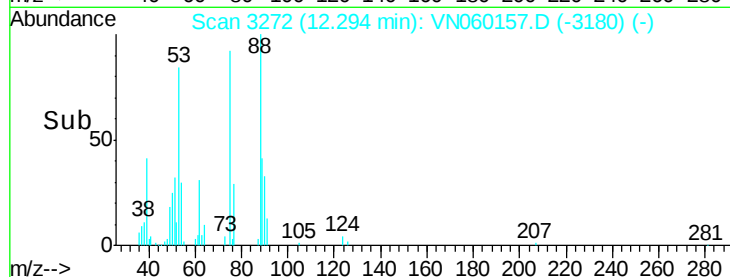
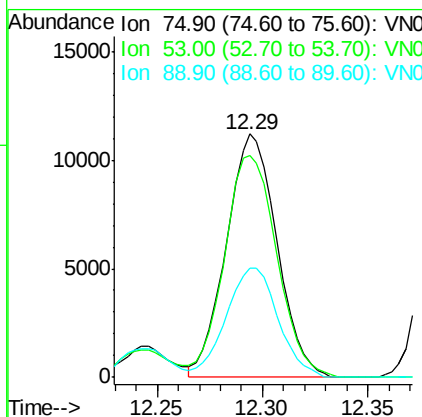
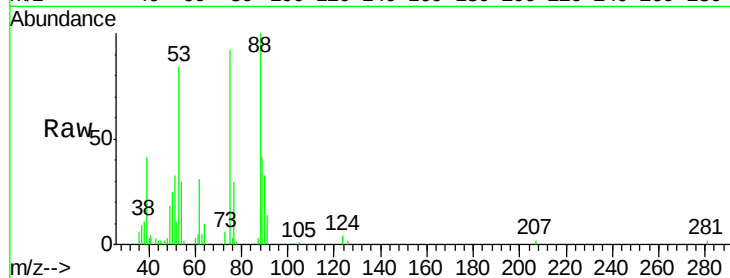
ClientSampleId :

VN0219WBSD01

Tot Ion:	75	Resp:	18654
Ion Ratio	Lower	Upper	
75	100		
53	95.0	73.9	110.9
89	46.3	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.514 ug/l

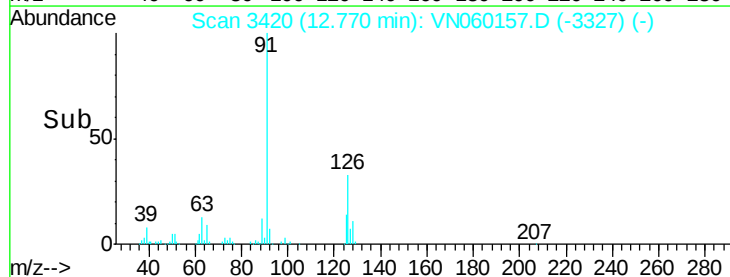
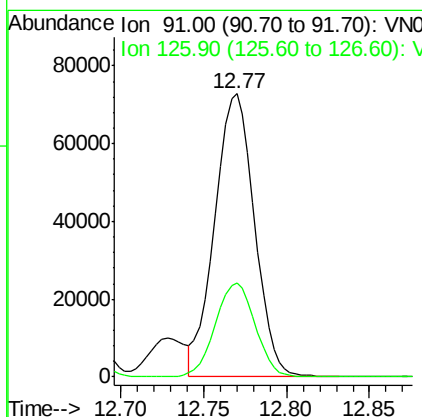
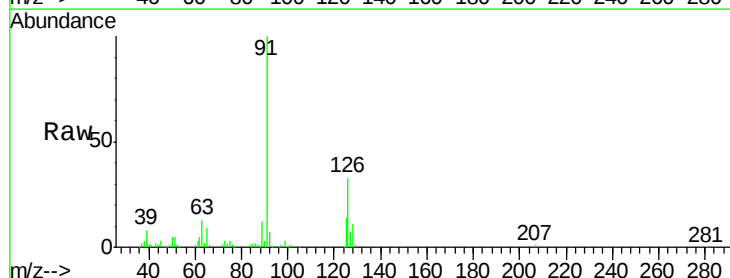
RT: 12.77 min Scan# 3420

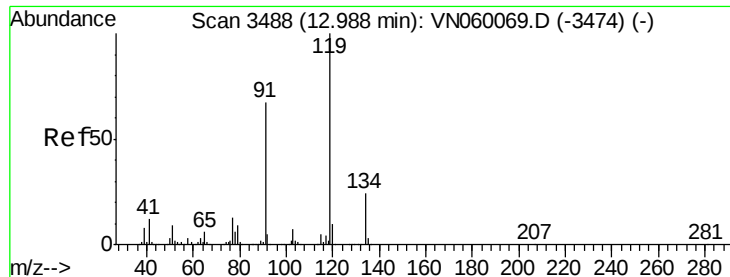
Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Tgt Ion:	91	Resp:	121649
Ion Ratio	Lower	Upper	
91	100		
126	33.2	17.1	51.3





#83

tert-Butylbenzene

Concen: 18.408 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

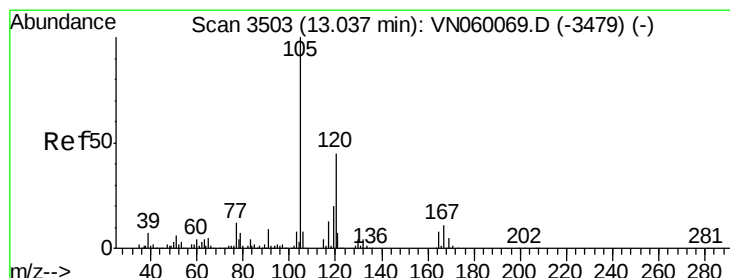
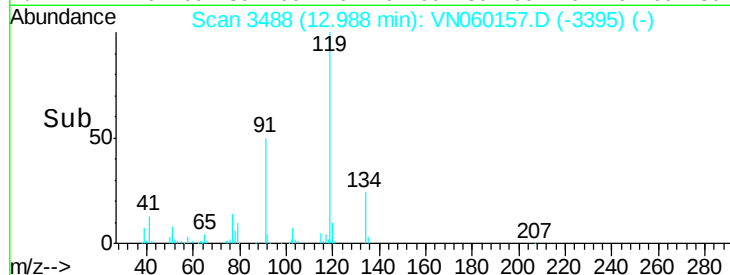
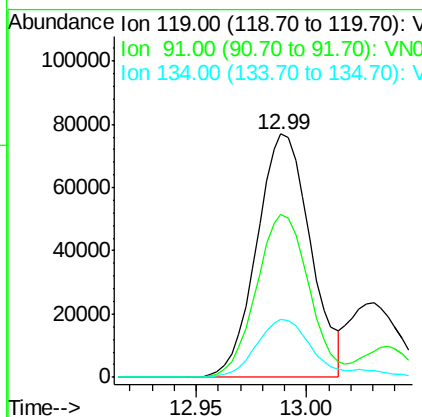
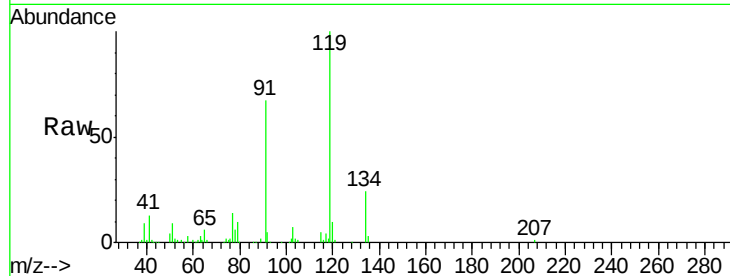
ClientSampleId :

VN0219WBSD01

Tot Ion:	119	Resp:	129489
Ion Ratio	Lower	Upper	
119	100		
91	65.6	32.7	98.1
134	26.2	12.9	38.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 18.763 ug/l

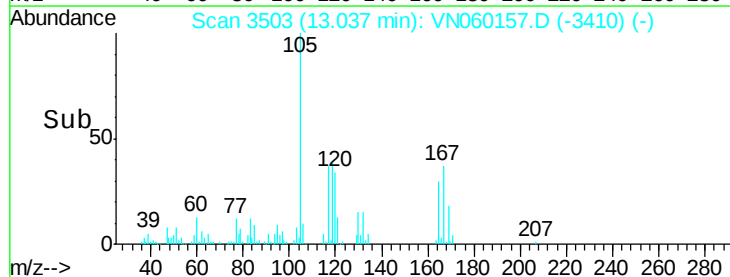
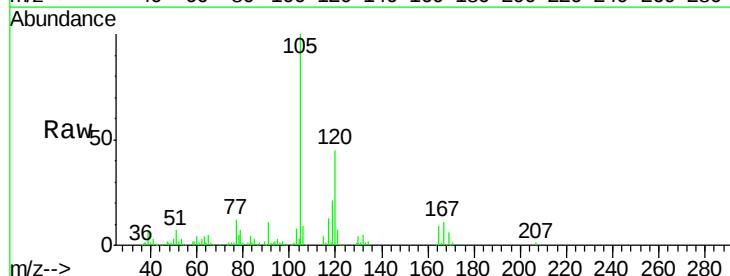
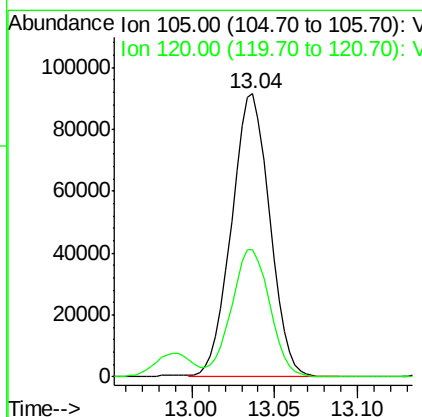
RT: 13.04 min Scan# 3503

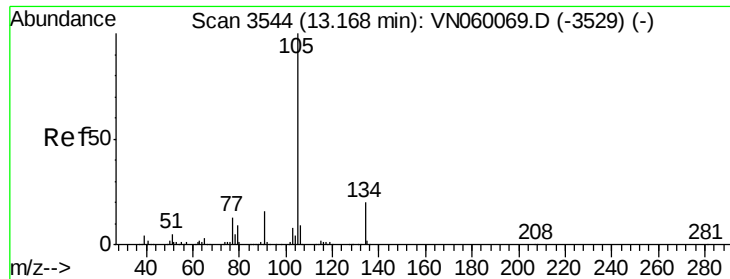
Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Tgt Ion:	105	Resp:	147279
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.4	67.3





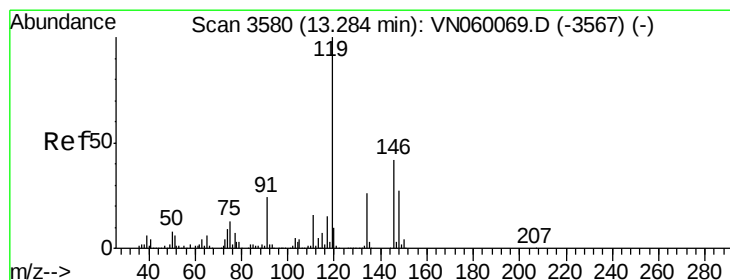
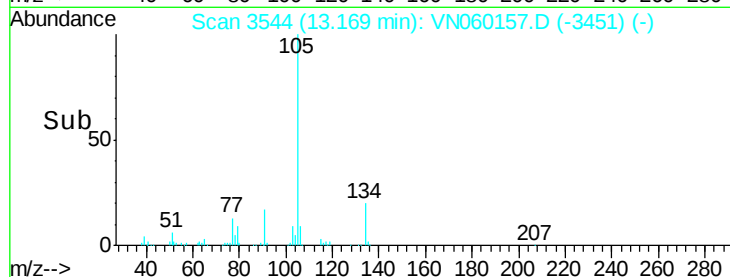
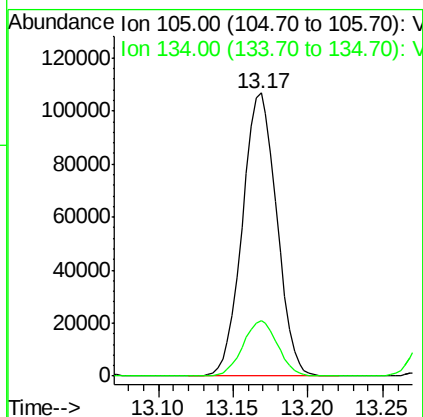
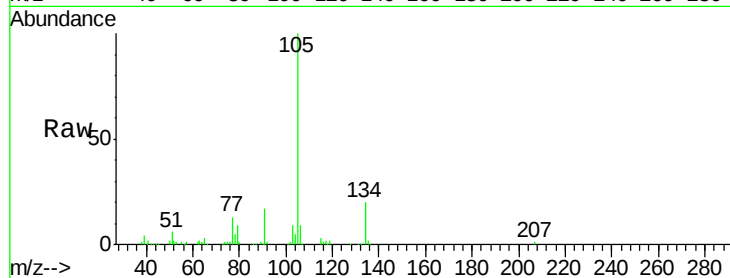
#85
 sec-Butylbenzene
 Concen: 18.364 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.9	29.7

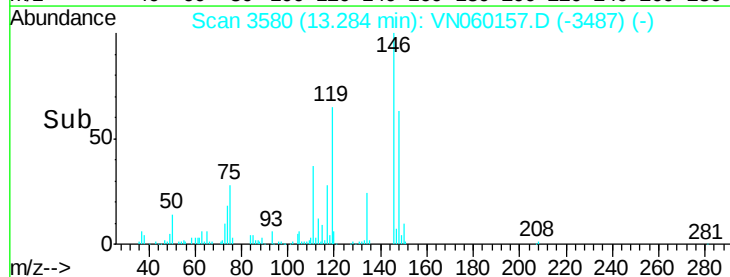
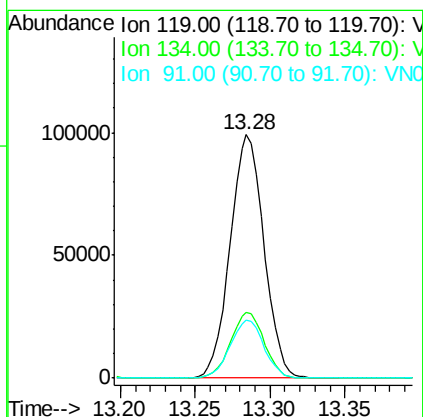
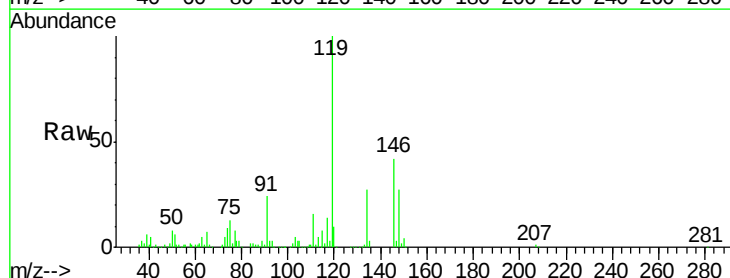
Manual Integrations
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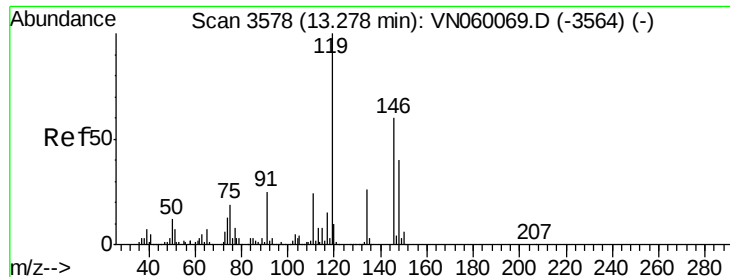
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#86
 p-Isopropyltoluene
 Concen: 18.500 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.8
91	24.0	11.9	35.9





#87

1,3-Dichlorobenzene

Concen: 18.562 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060157.D

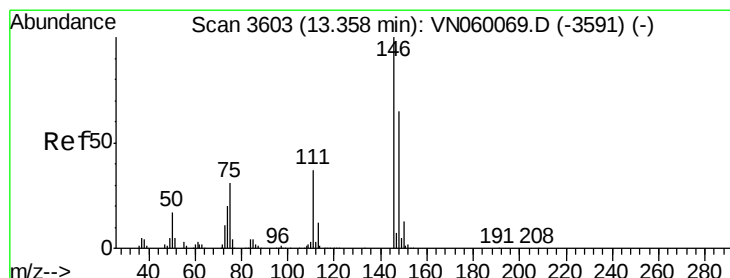
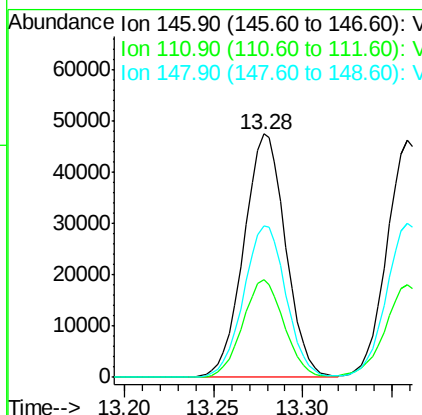
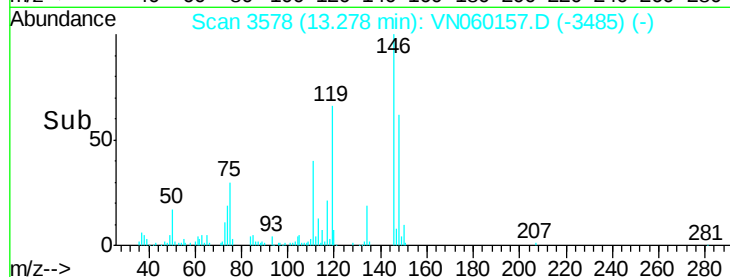
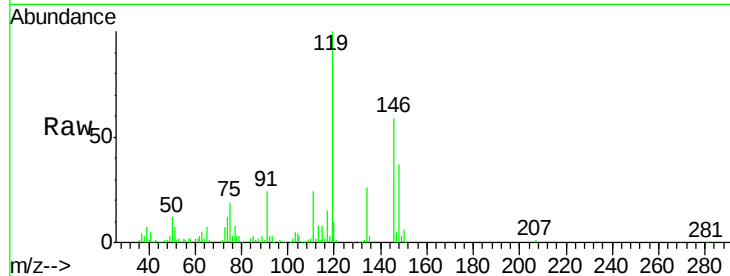
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.3
148	63.0	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 18.102 ug/l

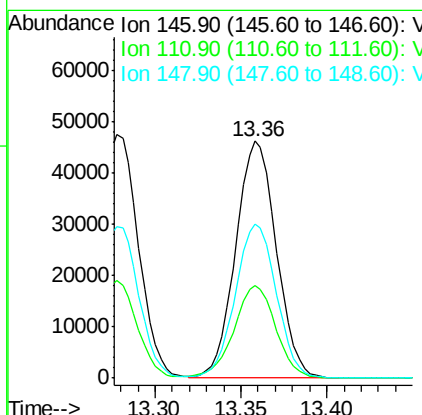
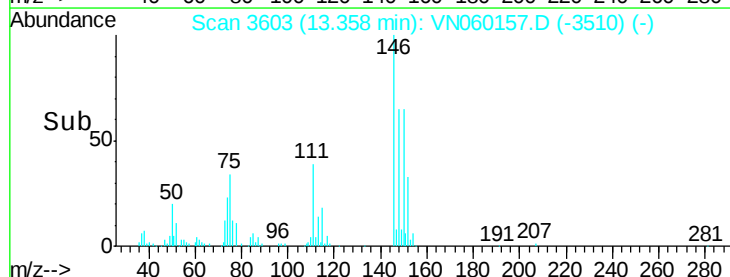
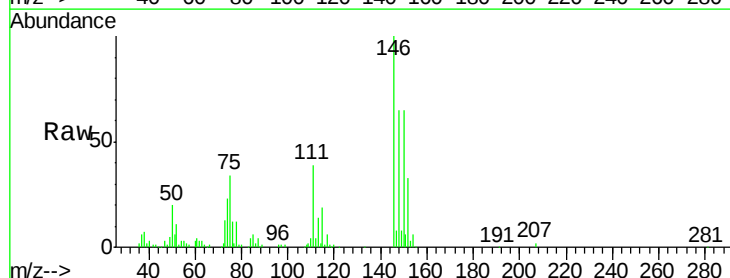
RT: 13.36 min Scan# 3603

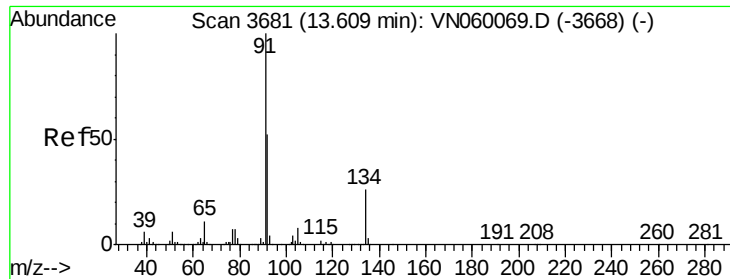
Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	18.9	56.5
148	65.7	32.0	96.0





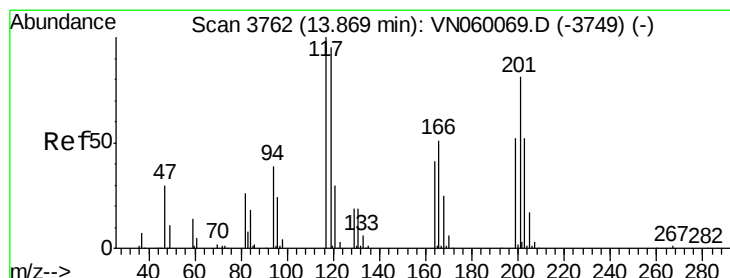
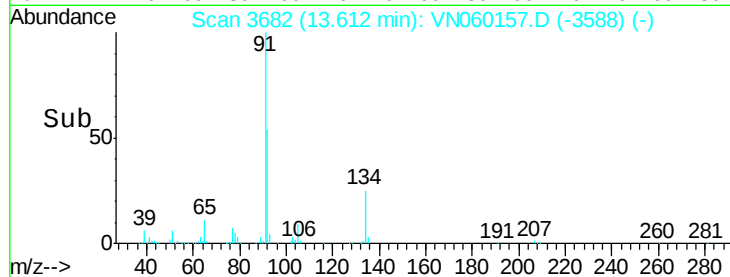
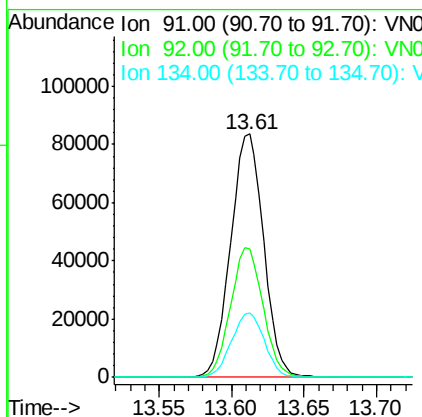
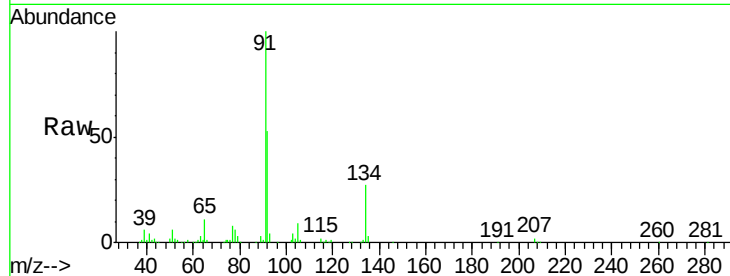
#89
n-Butylbenzene
Concen: 17.808 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.1	78.2
134	26.4	13.1	39.3

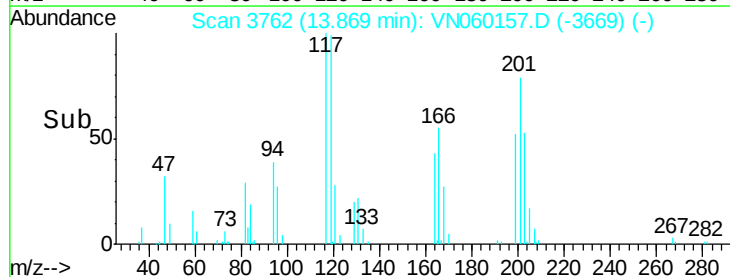
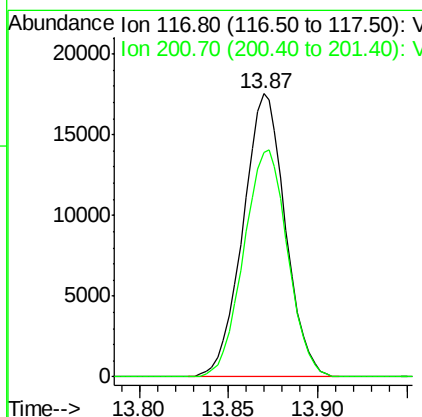
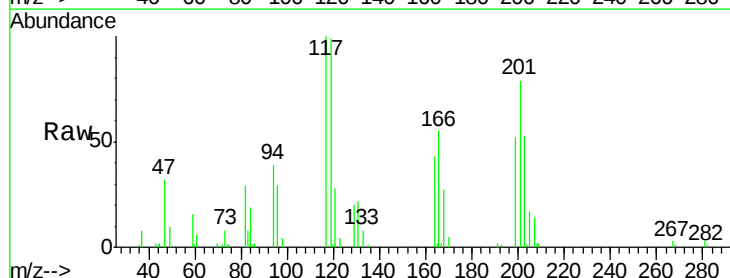
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#90
Hexachloroethane
Concen: 18.490 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.0	41.7	125.1





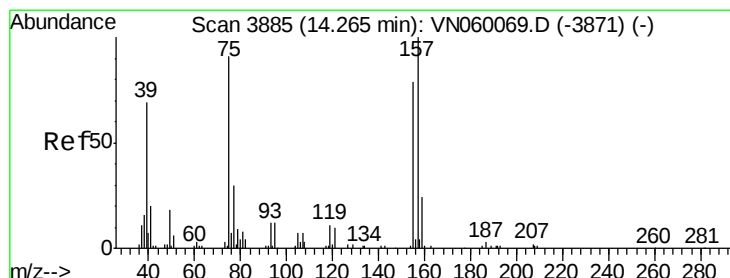
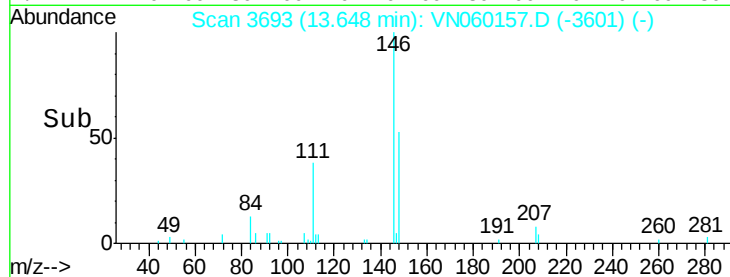
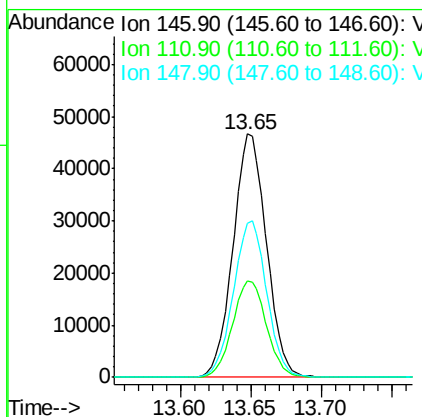
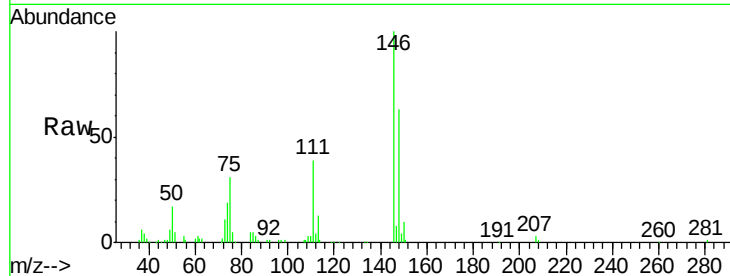
#91
 1,2-Dichlorobenzene
 Concen: 18.865 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	64.0	31.9	95.5

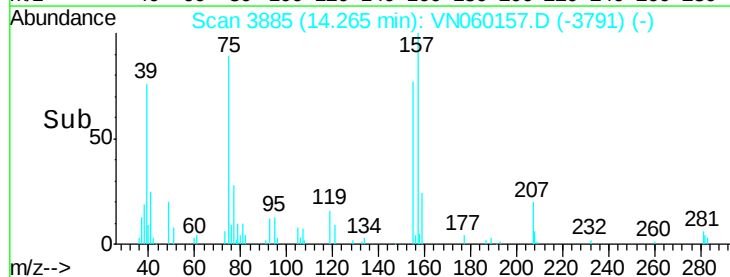
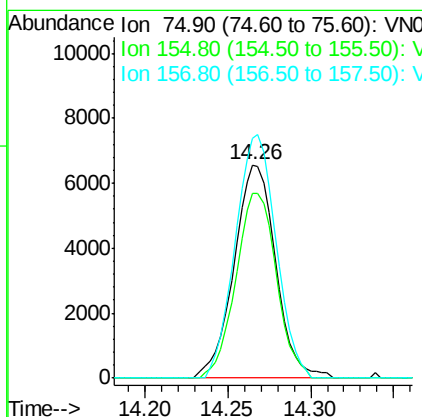
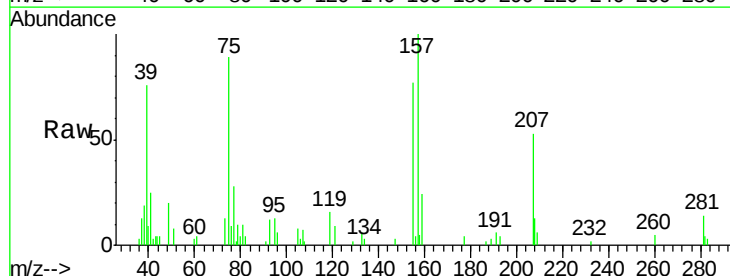
Manual Integrations
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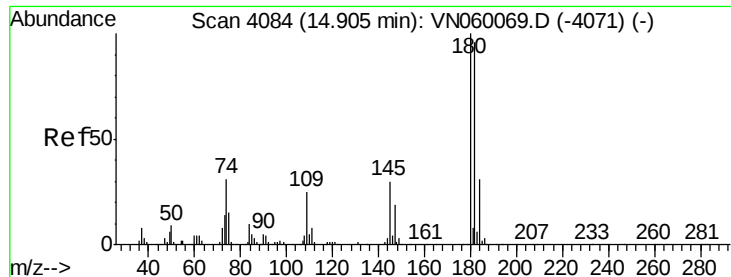
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 2/21/2020 11:48:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.134 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	43.0	129.0
157	111.4	54.9	164.5





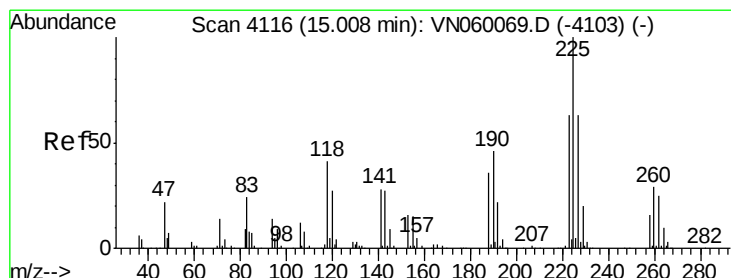
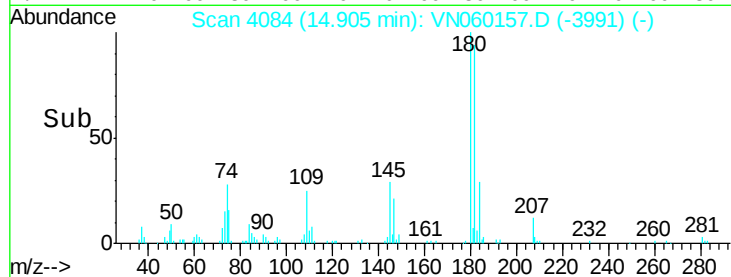
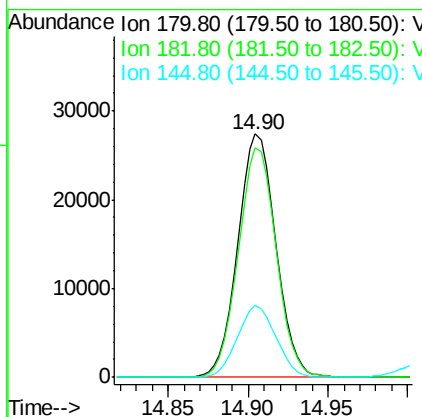
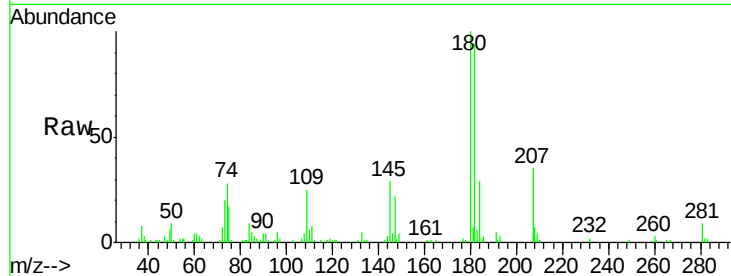
#93
1,2,4-Trichlorobenzene
Concen: 18.357 ug/l
RT: 14.90 min Scan# 4084
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampled :
VN0219WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.8
145	29.9	15.2	45.5

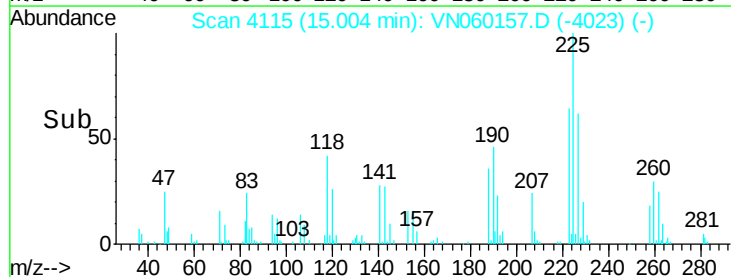
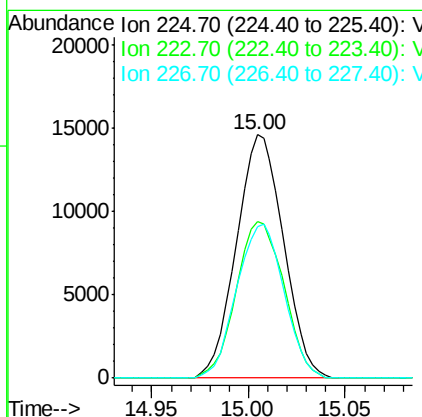
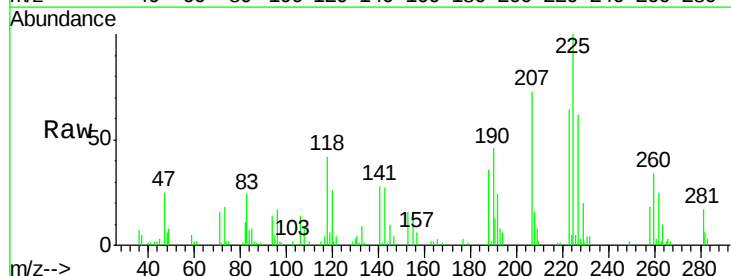
Manual Integrations
APPROVED

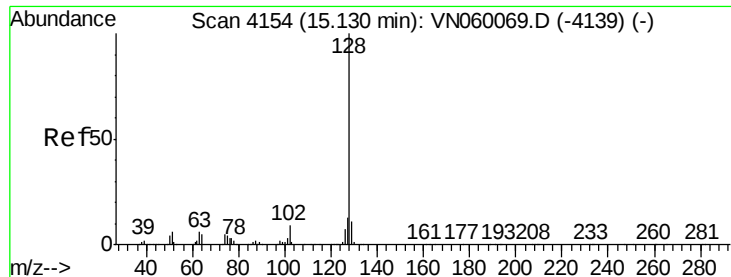
MMDadoda
2/21/2020 11:48:35 AM



#94
Hexachlorobutadiene
Concen: 17.476 ug/l
RT: 15.00 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	31.5	94.5
227	63.6	31.8	95.4





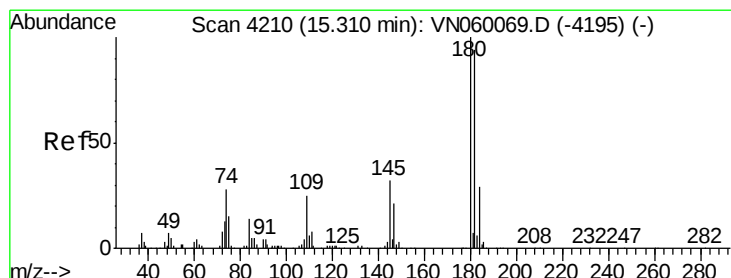
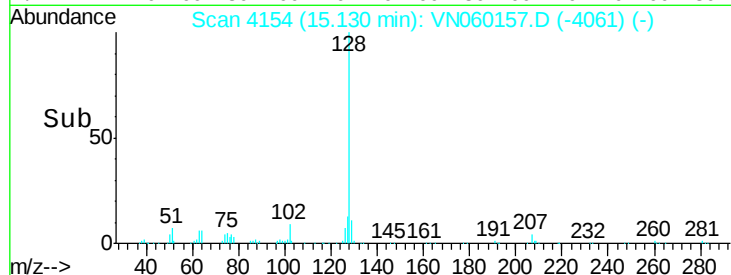
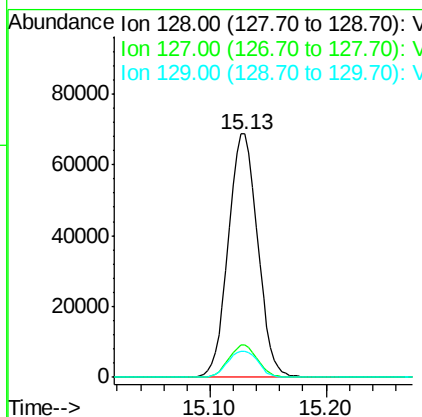
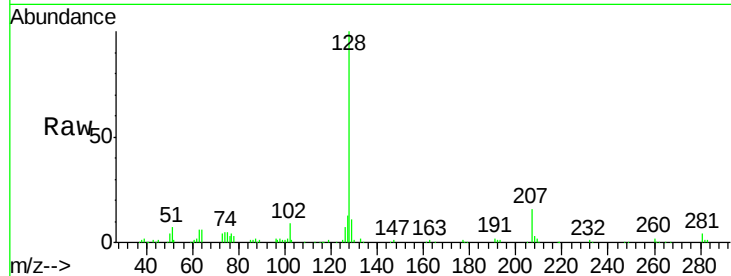
#95
Naphthalene
Concen: 18.422 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	120219		
127	13.1		10.3	15.5
129	11.0		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/21/2020 11:48:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.787 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	45196		
182	93.4		47.5	142.5
145	30.8		16.1	48.3

