

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059116.D
 Acq On : 7 Nov 2019 12:58
 Operator : JC/SP
 Sample : VN1107WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/8/2019 9:39:08 AM

Quant Time: Nov 08 02:26:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	71806	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	400910	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	359219	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.00	65	171124	28.08	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.60%
60) 4-Bromofluorobenzene	12.40	95	179349	28.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.13%
63) Toluene-d8	10.08	98	516437	30.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	76135	19.569	ug/l 99
3) Chloromethane	2.04	50	107538	20.693	ug/l 98
4) Vinyl Chloride	2.17	62	112231	20.895	ug/l 98
5) Bromomethane	2.55	94	64881	19.565	ug/l 99
6) Chloroethane	2.68	64	66313	19.642	ug/l 94
7) Trichlorofluoromethane	3.00	101	138867	21.005	ug/l 99
8) Diethyl Ether	3.39	74	57080	22.638	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84156	22.000	ug/l 96
10) 1,1-Dichloroethene	3.72	96	82086	21.849	ug/l 87
11) Methyl Iodide	3.93	142	100726	19.251	ug/l 96
12) Methyl Acetate	4.30	43	134704	22.410	ug/l 96
13) Acrolein	3.58	56	70364	105.944	ug/l 99
14) Acrylonitrile	4.96	53	270203	114.083	ug/l 97
15) Acetone	3.79	58	89759	127.670	ug/l 88
16) Carbon Disulfide	4.03	76	230286	21.015	ug/l 100
17) Allyl chloride	4.29	41	147752	19.759	ug/l 89
18) Methylene Chloride	4.53	84	98230	21.591	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	88014	21.519	ug/l 91
20) Diisopropyl ether	5.92	45	334270	21.940	ug/l 94
21) 1,1-Dichloroethane	5.82	63	181716	21.539	ug/l 98
22) cis-1,2-Dichloroethene	6.80	96	101963	20.909	ug/l 98
23) tert-Butyl Alcohol	4.75	59	108202	111.690	ug/l # 100
24) Methyl tert-Butyl Ether	5.01	73	295217	21.063	ug/l 94
25) Chloroform	7.35	83	175164	20.818	ug/l 96
26) Cyclohexane	7.63	56	153373	20.712	ug/l # 95
29) 1,1-Dichloropropene	7.77	75	128390	20.344	ug/l 99
30) 2-Butanone	6.81	43	380583	106.717	ug/l 99
31) 2,2-Dichloropropane	6.80	77	148699	19.991	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	147912	20.264	ug/l 98
33) Carbon Tetrachloride	7.75	117	127581	20.193	ug/l 99
34) Benzene	8.02	78	396276	21.329	ug/l 98
35) Methacrylonitrile	7.16	41	67209m	21.333	ug/l
36) 1,2-Dichloroethane	8.10	62	136211	19.175	ug/l 98
37) Trichloroethene	8.82	130	95952	21.022	ug/l 99
38) Methylcyclohexane	9.06	83	143240	19.576	ug/l 99
39) 1,2-Dichloropropane	9.10	63	109274	21.521	ug/l 99
40) Dibromomethane	9.19	93	64865	20.237	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	136615	20.863	ug/l	99
42) Vinyl Acetate	5.87	43	1338032	107.129	ug/l	99
43) Ethyl Acetate	6.90	43	148154	21.166	ug/l #	93
44) Isopropyl Acetate	8.14	43	230662	20.344	ug/l	90
45) 1,4-Dioxane	9.18	88	38490	442.094	ug/l	98
46) Methyl methacrylate	9.18	41	101456	19.491	ug/l	95
47) n-amyl Acetate	12.07	43	174774	17.389	ug/l	95
48) t-1,3-Dichloropropene	10.37	75	150289	19.790	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	165427	20.744	ug/l	92
50) 1,1,2-Trichloroethane	10.55	97	98095	21.438	ug/l	98
51) Ethyl methacrylate	10.42	69	141093	19.284	ug/l	96
52) 1,3-Dichloropropane	10.70	76	167899	20.604	ug/l	99
53) Dibromochloromethane	10.90	129	100729	20.512	ug/l	98
54) 1,2-Dibromoethane	11.00	107	95920	20.224	ug/l	100
55) 2-Chloroethyl vinyl ether	9.68	63	315475	86.679	ug/l	100
56) Bromoform	12.13	173	71930	21.027	ug/l	99
58) 4-Methyl-2-Pentanone	9.97	43	736770	112.431	ug/l	99
59) 2-Hexanone	10.74	43	537320	104.589	ug/l	97
61) Tetrachloroethene	10.62	164	86257	22.221	ug/l	98
62) Toluene	10.14	91	415591	21.508	ug/l	99
64) Chlorobenzene	11.43	112	247248	20.929	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.50	131	94787	21.398	ug/l	99
66) Ethyl Benzene	11.51	91	439910	20.561	ug/l	100
67) m/p-Xylenes	11.62	106	323568	40.479	ug/l	99
68) o-Xylene	11.95	106	157020	20.263	ug/l	99
69) Styrene	11.96	104	248252	19.392	ug/l	99
70) Isopropylbenzene	12.25	105	423140	20.225	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	147021	20.874	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	127748m	20.016	ug/l	
73) Bromobenzene	12.53	156	102856	20.240	ug/l	100
74) n-propylbenzene	12.59	91	488650	19.954	ug/l	99
75) 2-Chlorotoluene	12.67	91	297308	20.178	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	354803	19.800	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	49068	20.182	ug/l	91
78) 4-Chlorotoluene	12.77	91	291181	19.174	ug/l	98
79) tert-butylbenzene	12.99	119	309217	20.198	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	353943	19.878	ug/l	99
81) sec-Butylbenzene	13.17	105	403787	19.598	ug/l	99
82) p-Isopropyltoluene	13.29	119	356365	19.262	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	173888	18.910	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	169006	18.400	ug/l	99
85) n-Butylbenzene	13.62	91	290793	17.168	ug/l	99
86) Hexachloroethane	13.88	117	70060	20.808	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	174824	19.258	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	28781	18.359	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	86486	15.088	ug/l	99
90) Hexachlorobutadiene	15.01	225	58924	19.907	ug/l	98
91) Naphthalene	15.13	128	231446	13.676	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	90715	16.258	ug/l	98

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QLast Update : Fri Oct 11 04:26:47 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

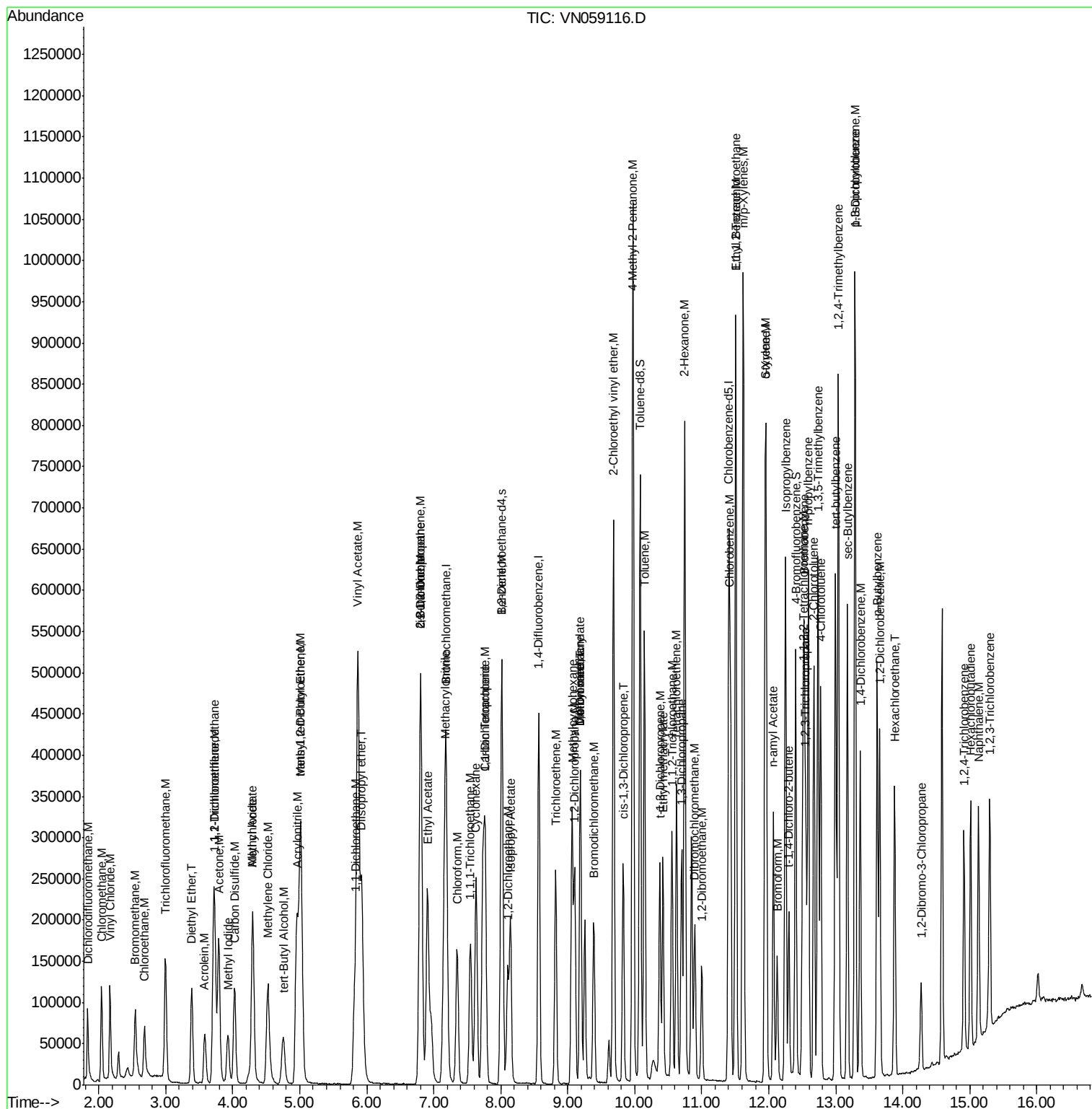
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
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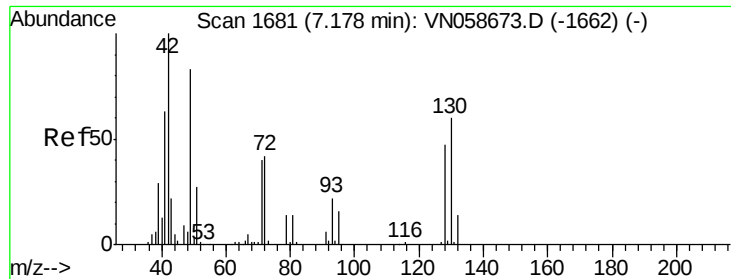
Instrument :
MSVOA_N
Client Sample Id :
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS01

Tot Ion:128 Resp: 71806

Ion Ratio Lower Upper

128 100

49 184.9 0.0 453.5

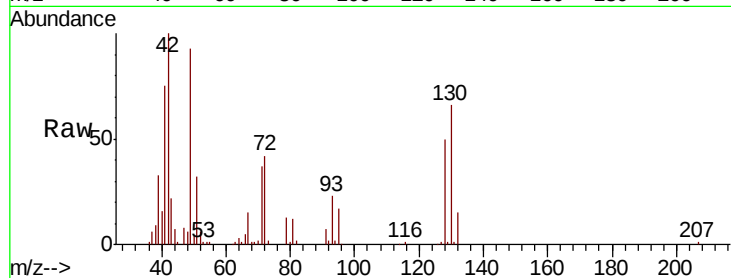
130 129.4 0.0 314.2

Manual Integrations

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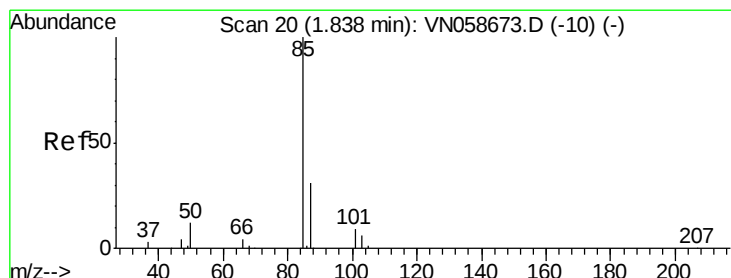
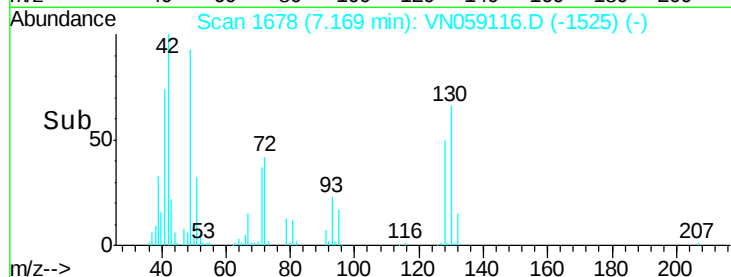
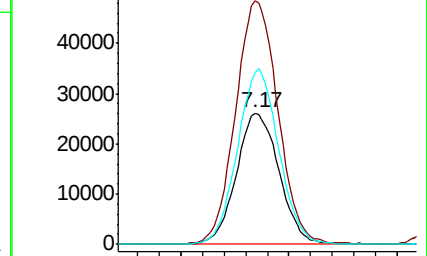
11/8/2019 9:39:08 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNC

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.569 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059116.D

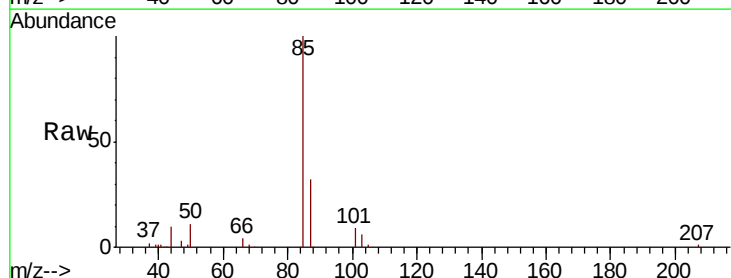
Acq: 7 Nov 2019 12:58

Tgt Ion: 85 Resp: 76135

Ion Ratio Lower Upper

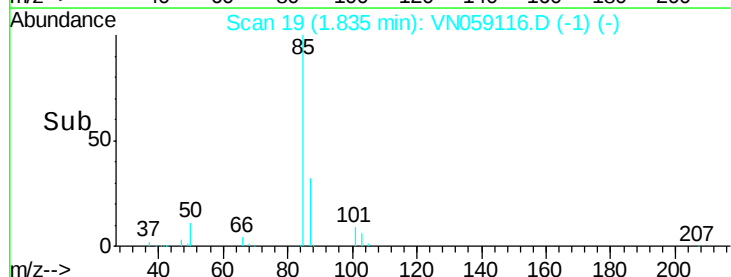
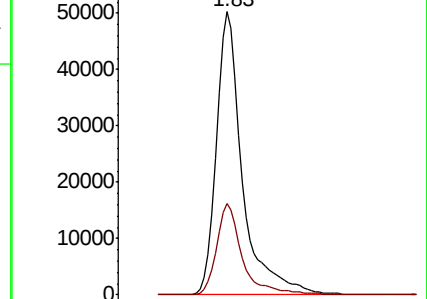
85 100

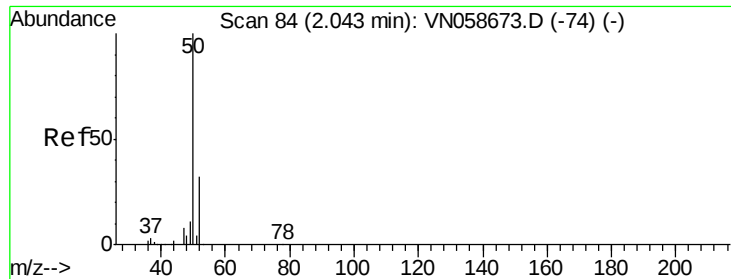
87 32.1 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VNC

Ion 87.00 (86.70 to 87.70): VNC





#3

Chloromethane

Concen: 20.693 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS01

Tot Ion: 50 Resp: 107538

Ion Ratio Lower Upper

50 100

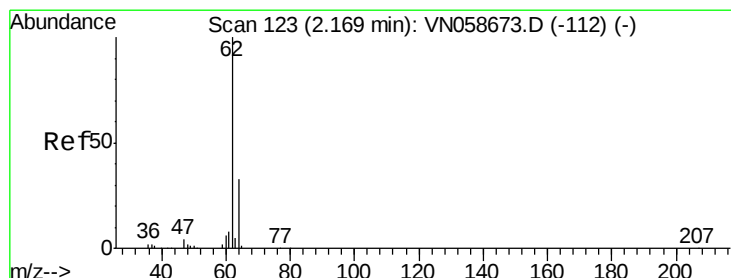
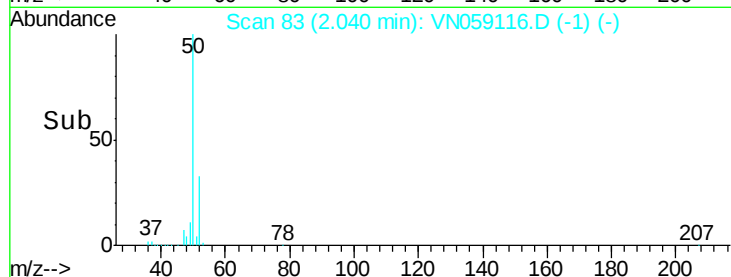
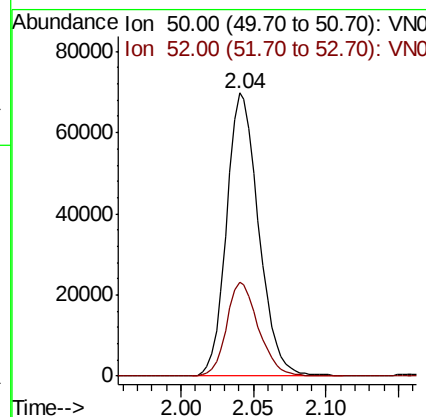
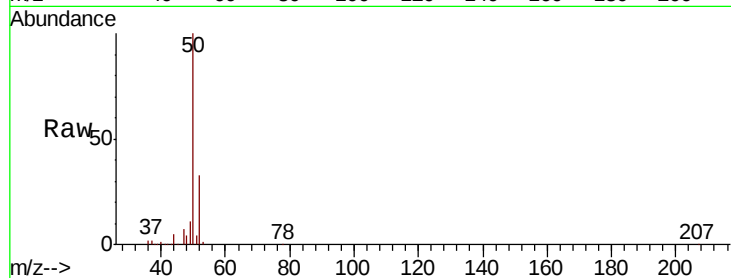
52 33.2 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.895 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059116.D

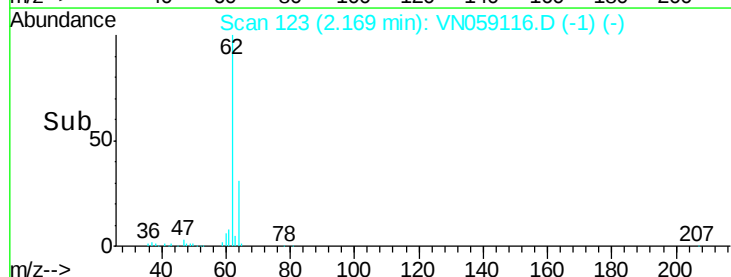
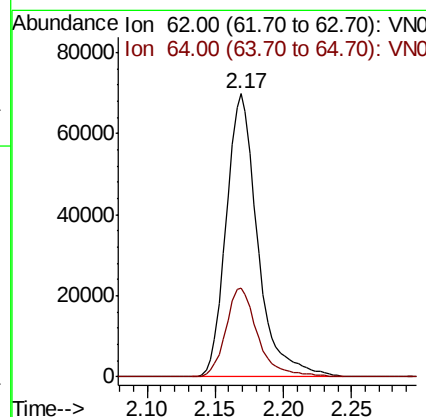
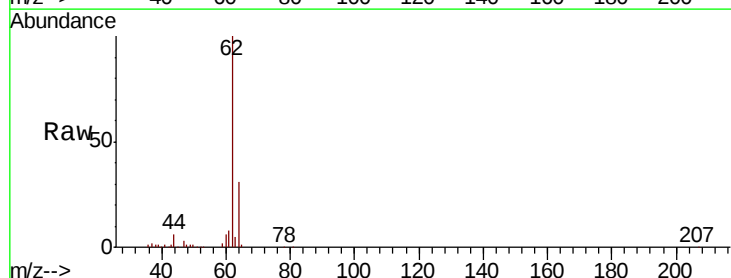
Acq: 7 Nov 2019 12:58

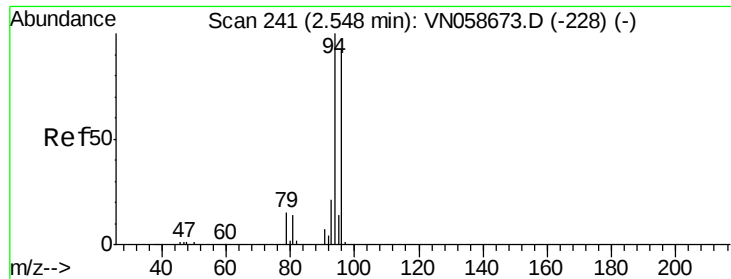
Tgt Ion: 62 Resp: 112231

Ion Ratio Lower Upper

62 100

64 31.3 26.1 39.1





#5

Bromomethane

Concen: 19.565 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS01

Tot Ion: 94 Resp: 64881

Ion Ratio Lower Upper

94 100

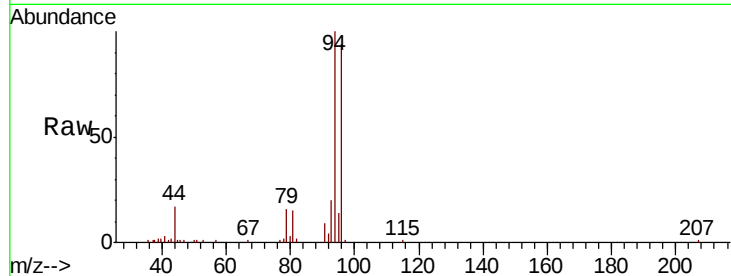
96 93.1 73.7 110.5

Manual Integrations

APPROVED

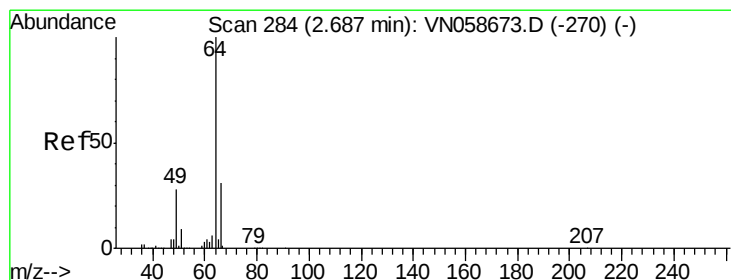
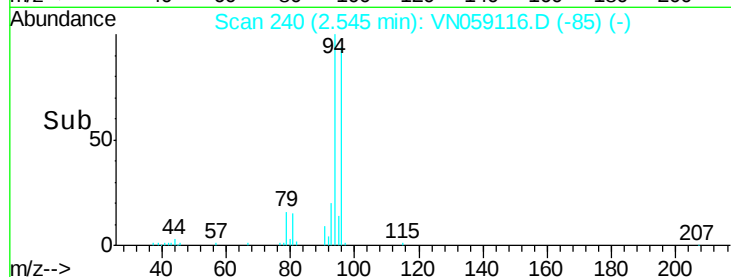
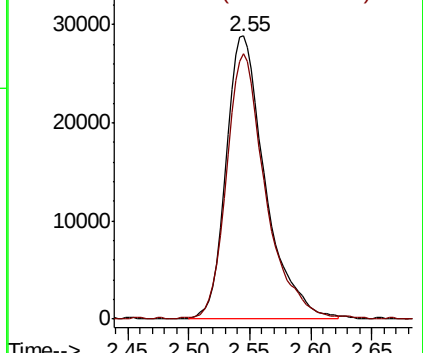
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.642 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN059116.D

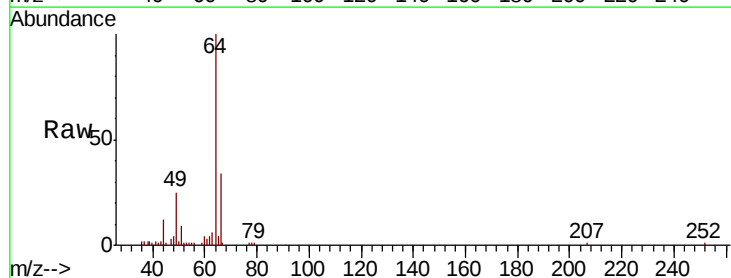
Acq: 7 Nov 2019 12:58

Tgt Ion: 64 Resp: 66313

Ion Ratio Lower Upper

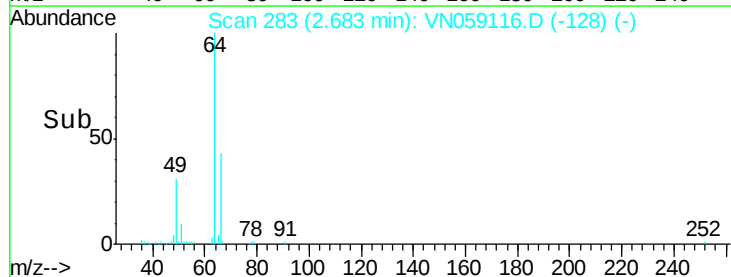
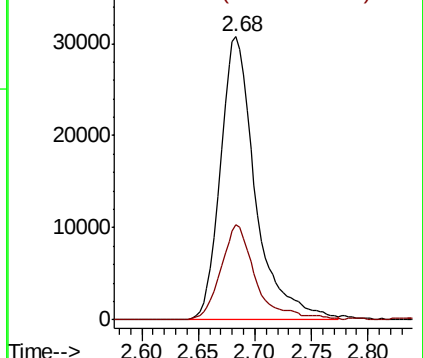
64 100

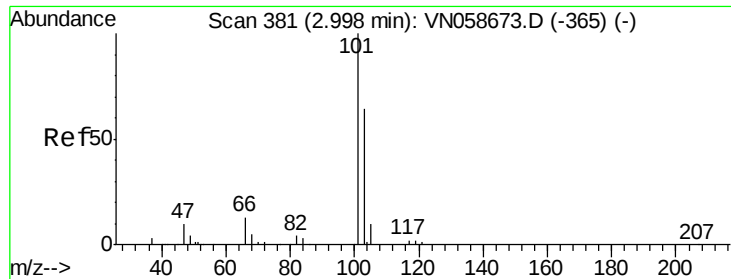
66 33.7 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

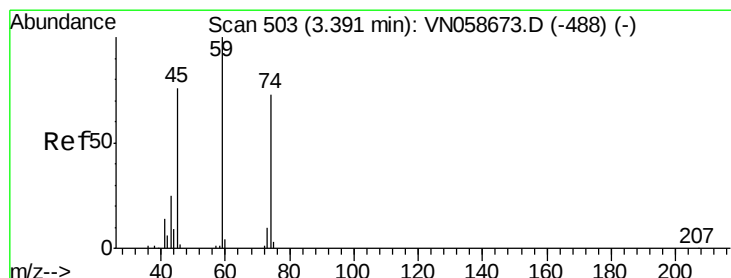
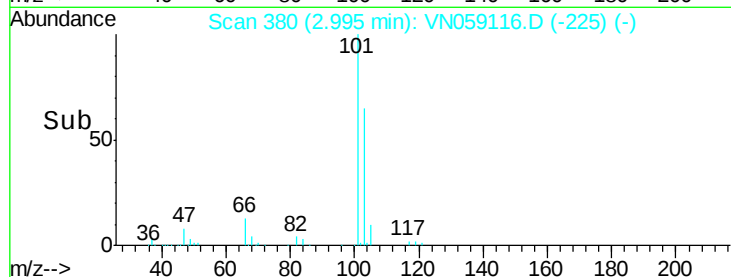
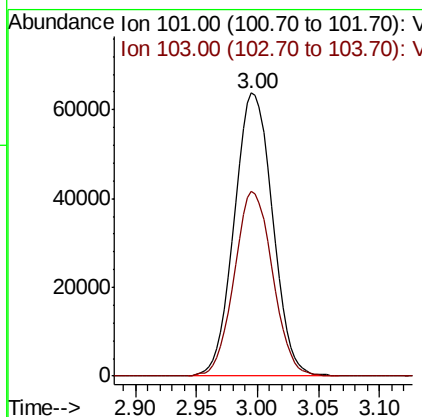
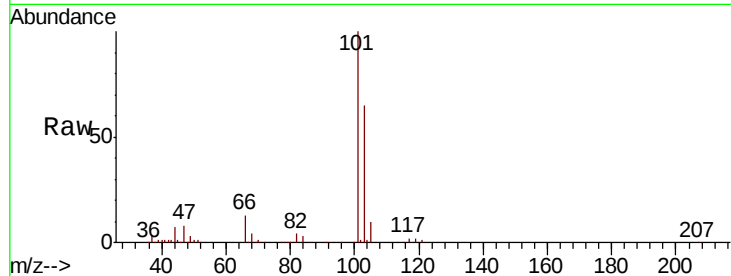
Trichlorofluoromethane
Concen: 21.005 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
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ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	138867		
103	65.3	51.5	77.3	

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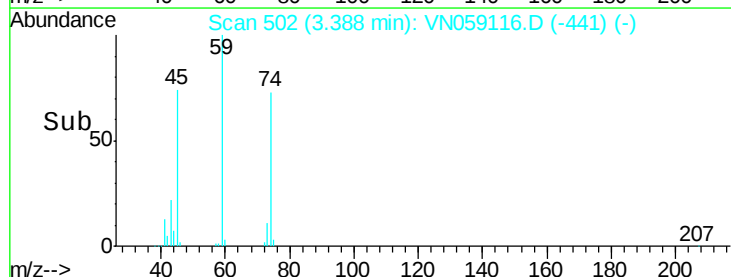
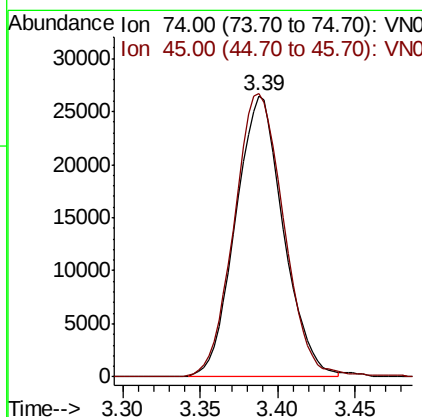
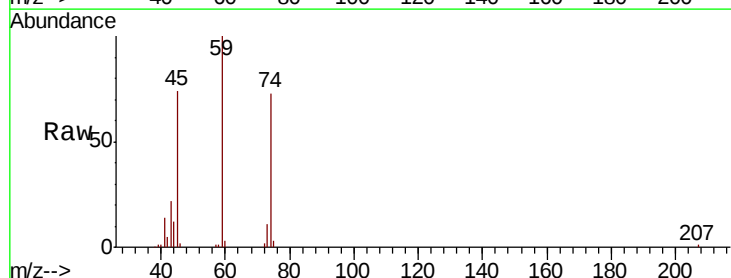
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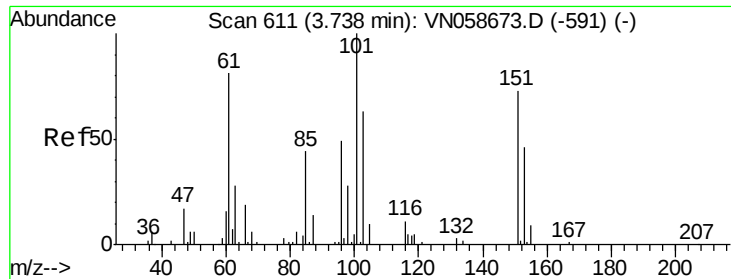


#8

Diethyl Ether
Concen: 22.638 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	57080		
45	104.2	20.6	185.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.000 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

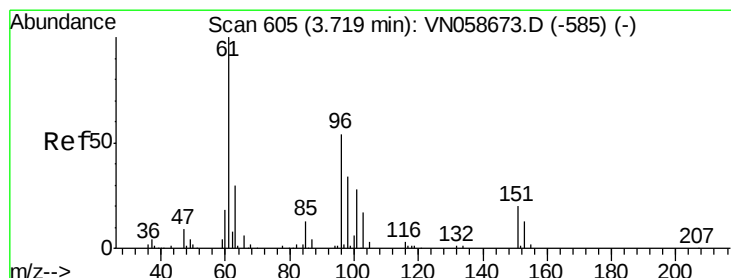
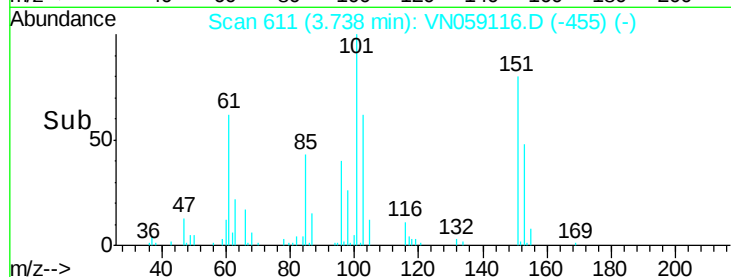
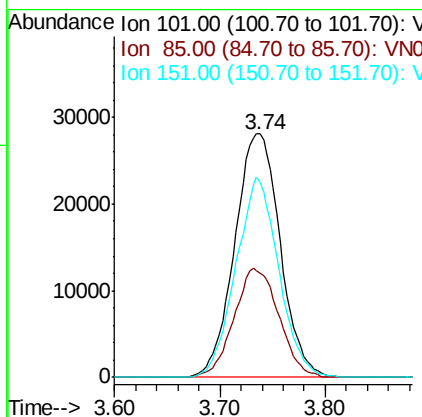
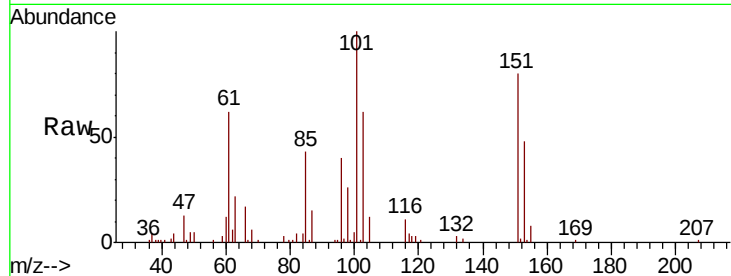
ClientSampleId :

VN1107WBS01

Tot Ion:	101	Resp:	84156
Ion Ratio	Lower	Upper	
101	100		
85	44.2	0.0	93.8
151	77.5	0.0	149.6

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#10

1,1-Dichloroethene

Concen: 21.849 ug/l

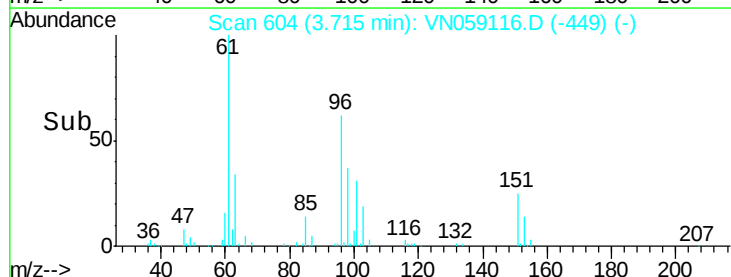
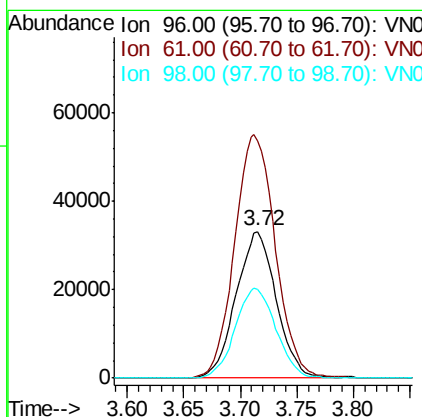
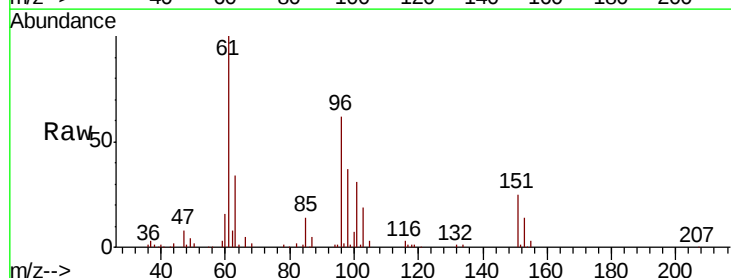
RT: 3.72 min Scan# 604

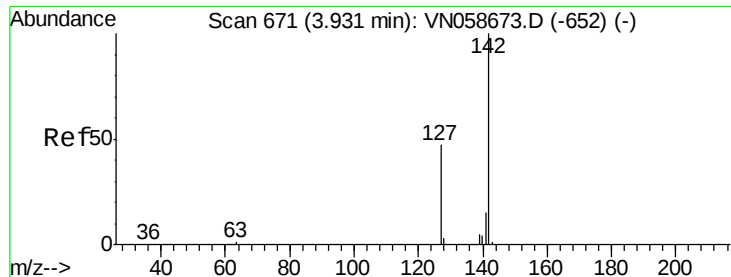
Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Tgt Ion:	96	Resp:	82086
Ion Ratio	Lower	Upper	
96	100		
61	162.0	148.5	222.7
98	60.3	51.0	76.6





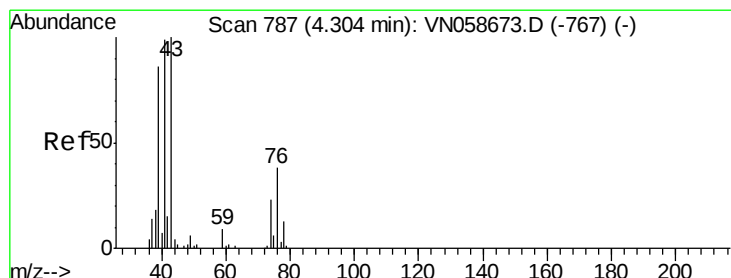
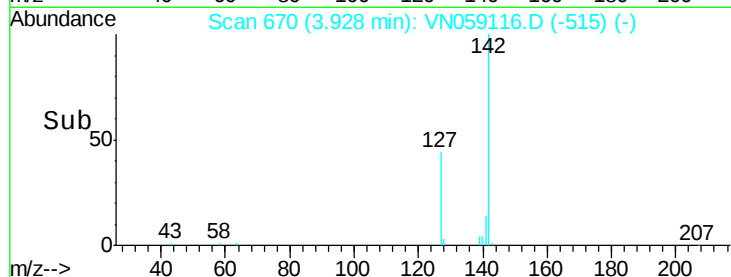
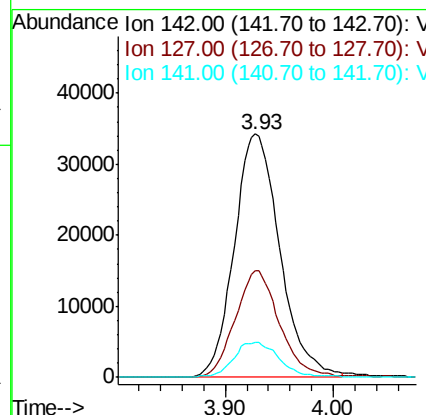
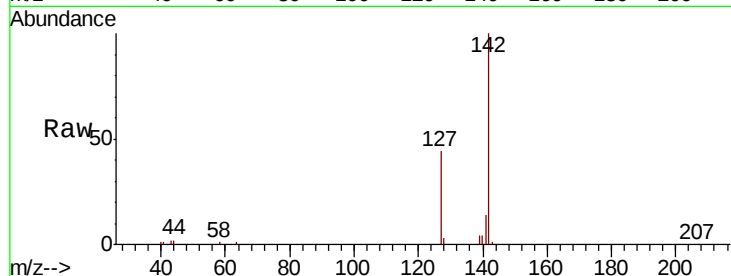
#11
Methyl Iodide
Concen: 19.251 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.0	23.5	70.6
141	14.4	7.4	22.2

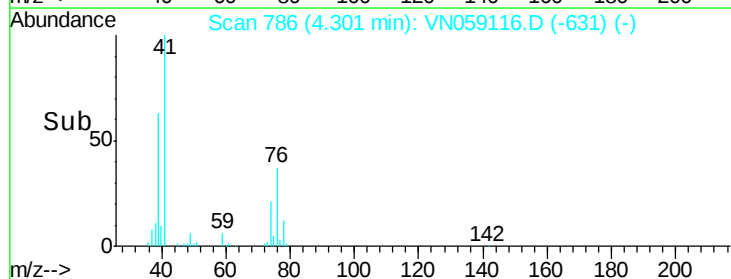
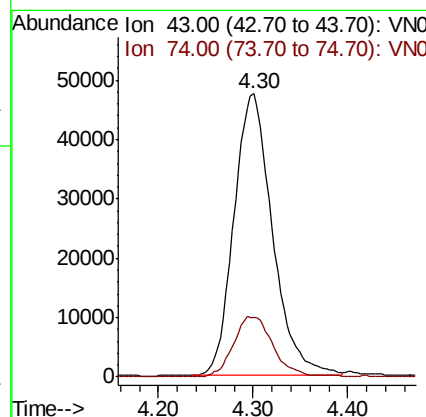
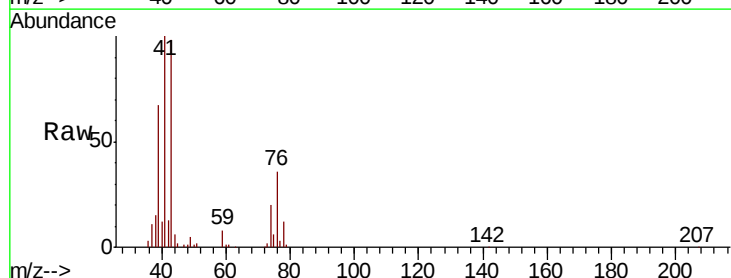
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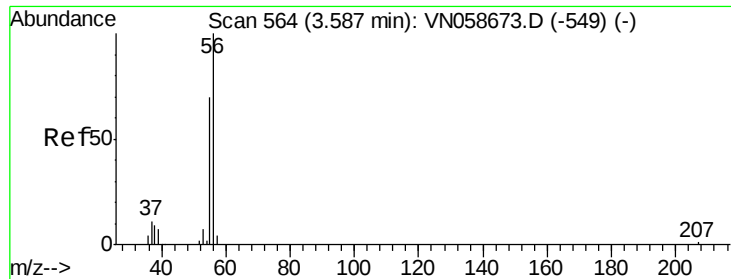
MMDadoda
11/8/2019 9:39:08 AM



#12
Methyl Acetate
Concen: 22.410 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	18.1	27.1





#13

Acrolein

Concen: 105.944 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS01

Tot Ion: 56 Resp: 70364

Ion Ratio Lower Upper

56 100

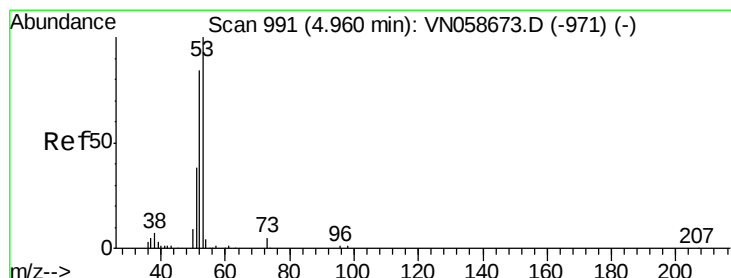
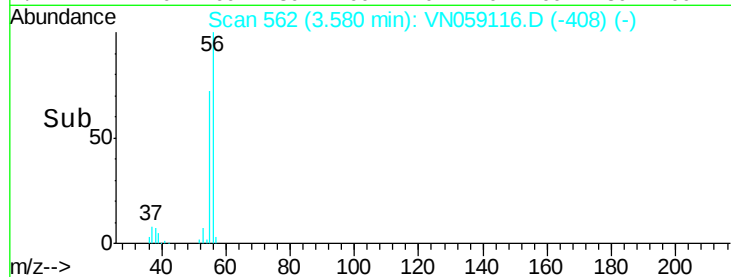
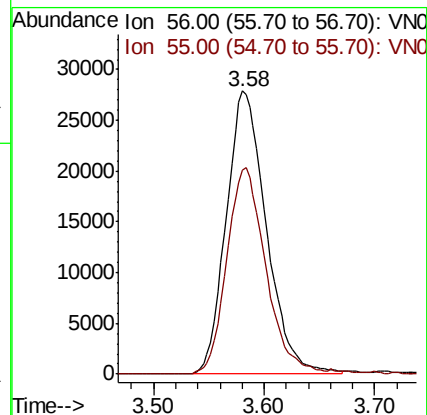
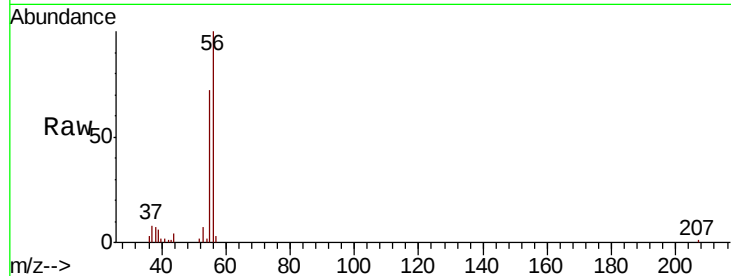
55 70.8 55.9 83.9

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#14

Acrylonitrile

Concen: 114.083 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

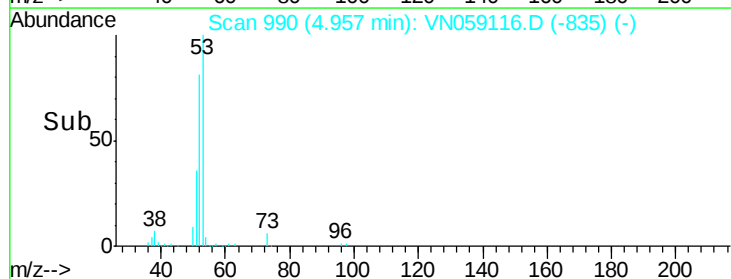
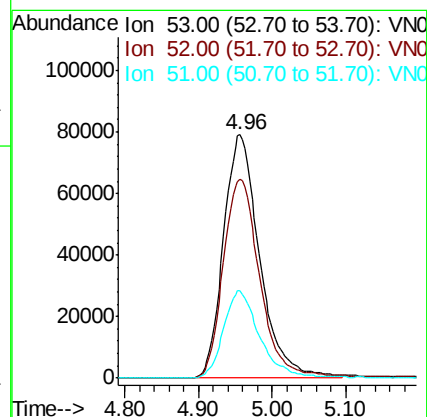
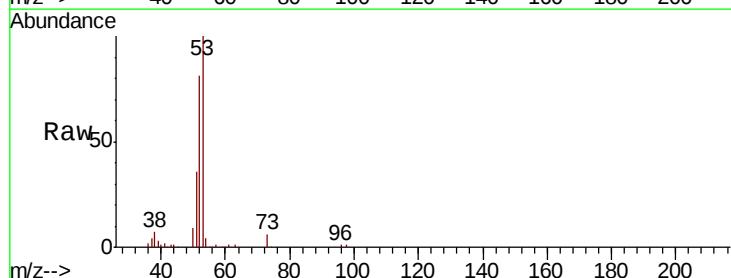
Tgt Ion: 53 Resp: 270203

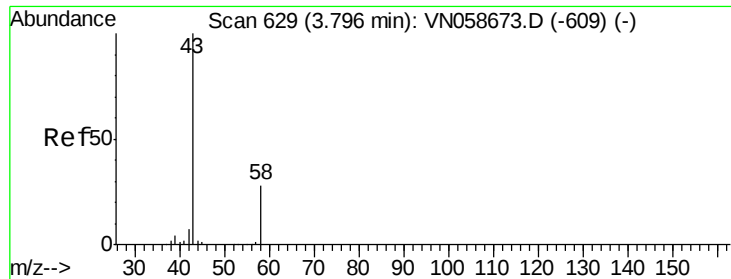
Ion Ratio Lower Upper

53 100

52 81.2 42.2 126.6

51 35.6 18.8 56.4





#15

Acetone

Concen: 127.670 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS01

Tot Ion: 58 Resp: 89759

Ion Ratio Lower Upper

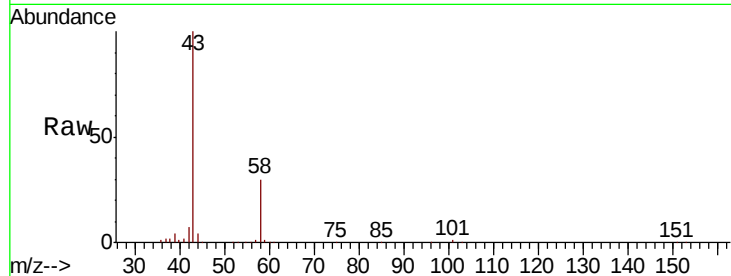
58 100

43 326.8 281.7 422.5

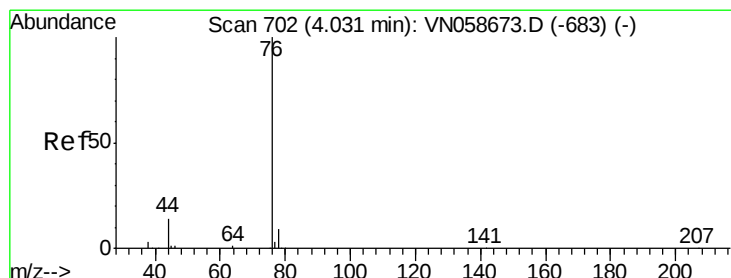
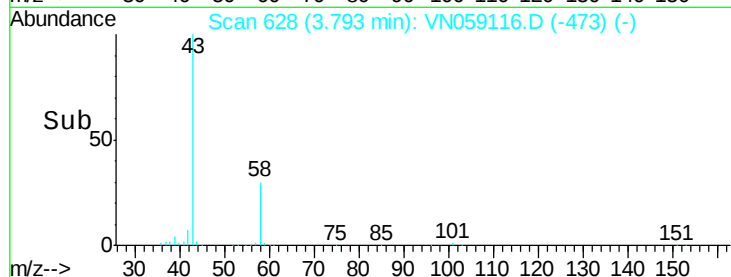
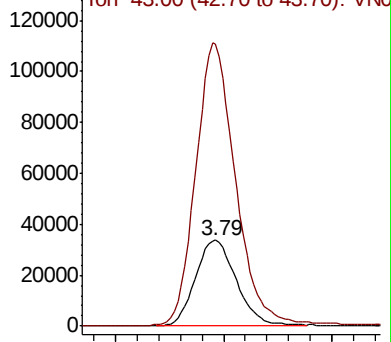
Manual Integrations
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Abundance Ion 58.00 (57.70 to 58.70): VN059116.D (-473) (-)



#16

Carbon Disulfide

Concen: 21.015 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059116.D

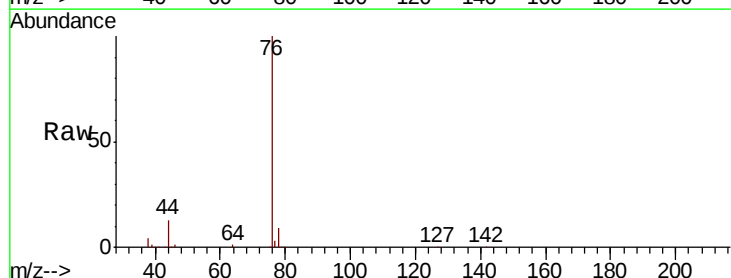
Acq: 7 Nov 2019 12:58

Tgt Ion: 76 Resp: 230286

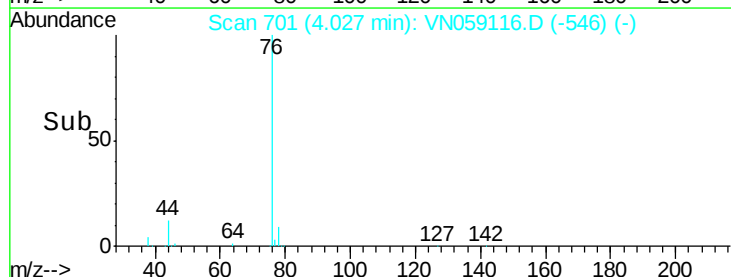
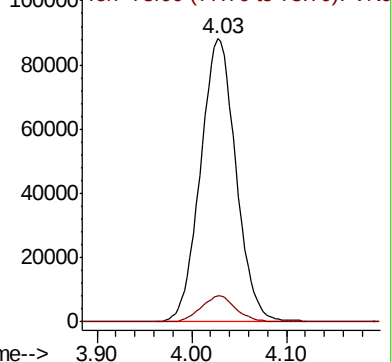
Ion Ratio Lower Upper

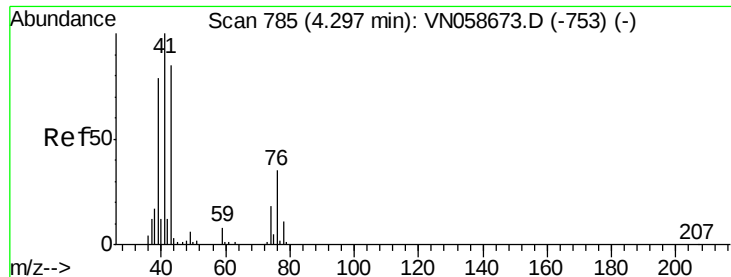
76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN059116.D (-546) (-)





#17

Allvl chloride

Concen: 19.759 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

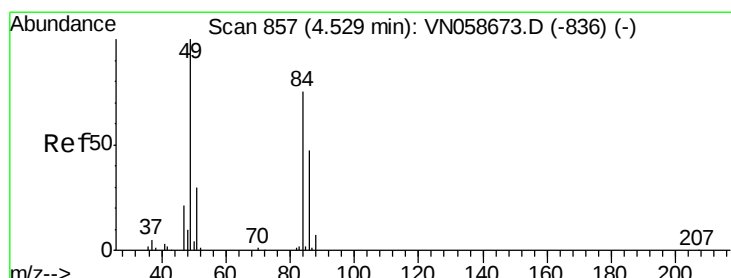
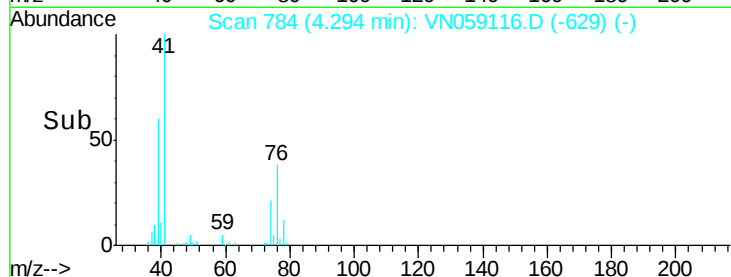
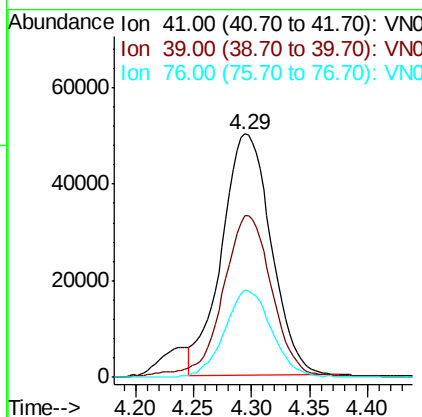
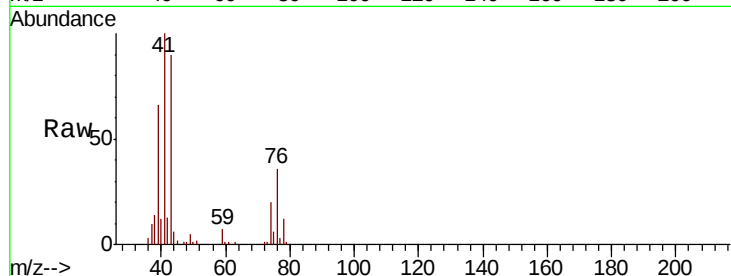
ClientSampleId :

VN1107WBS01

Tot Ion:	41	Resp:	147752
Ion Ratio		Lower	Upper
41	100		
39	66.2	39.6	118.8
76	35.9	17.6	52.9

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#18

Methylene Chloride

Concen: 21.591 ug/l

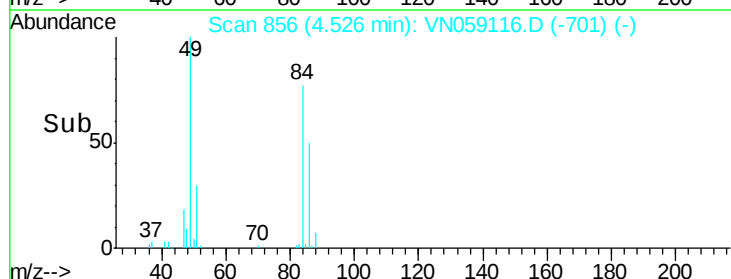
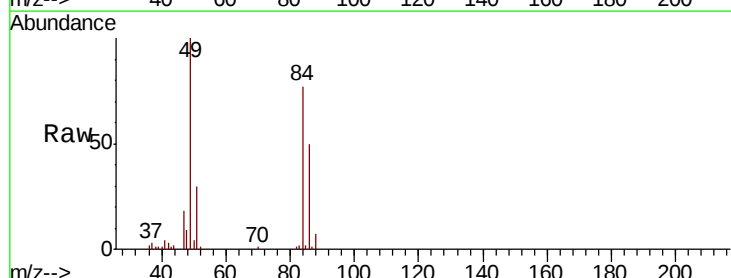
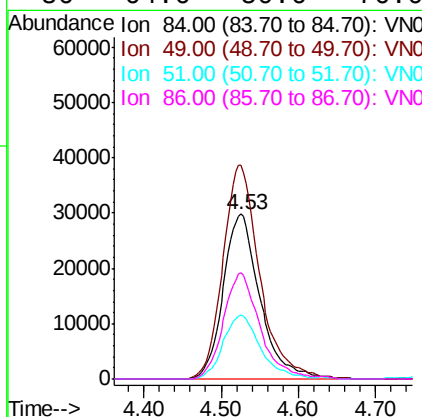
RT: 4.53 min Scan# 856

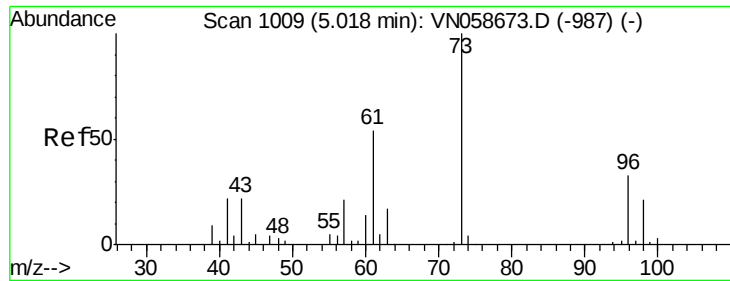
Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Tgt Ion:	84	Resp:	98230
Ion Ratio		Lower	Upper
84	100		
49	129.6	106.6	160.0
51	38.8	32.4	48.6
86	64.6	50.6	76.0





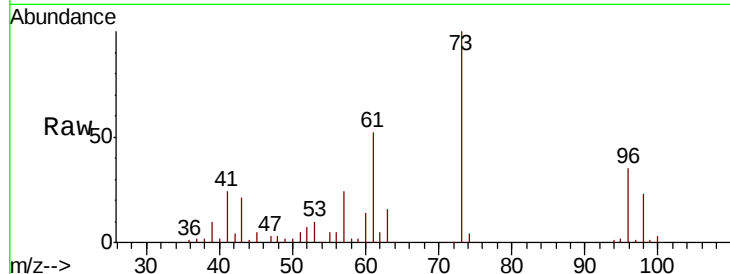
#19
trans-1,2-Dichloroethene
Concen: 21.519 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.5	131.8	197.6
98	64.5	52.6	79.0

Manual Integrations
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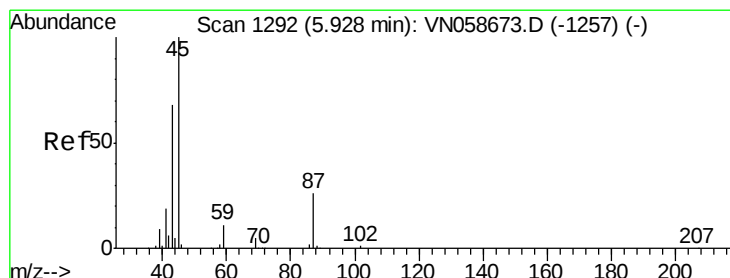
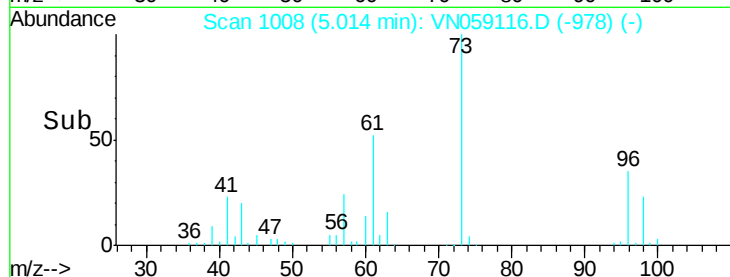
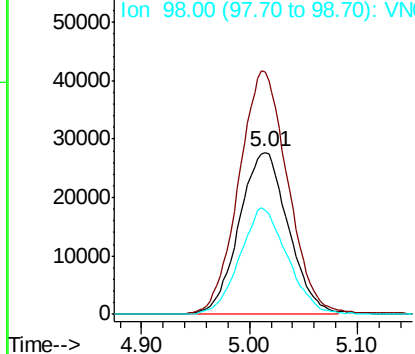


Abundance

Ion 96.00 (95.70 to 96.70): VN058673.D (-987) (-)

Ion 61.00 (60.70 to 61.70): VN058673.D (-987) (-)

Ion 98.00 (97.70 to 98.70): VN058673.D (-987) (-)



#20
Diisopropyl ether
Concen: 21.940 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.2	54.7	82.1
87	26.3	21.5	32.3
59	11.0	8.7	13.1

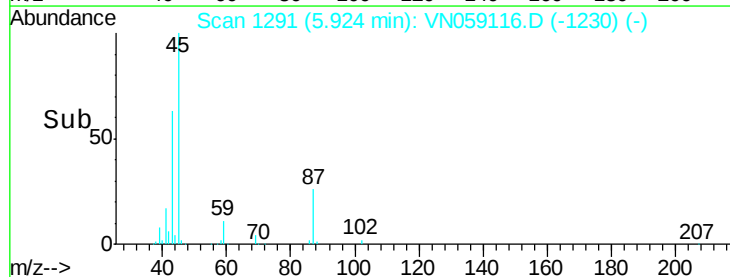
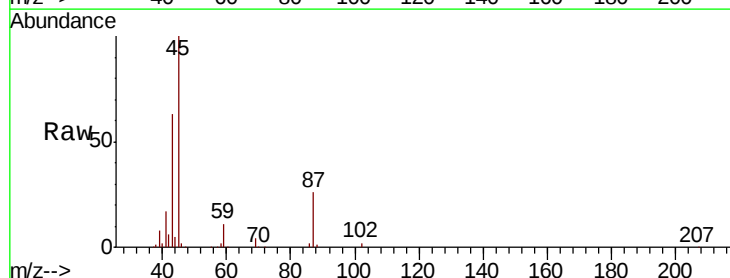
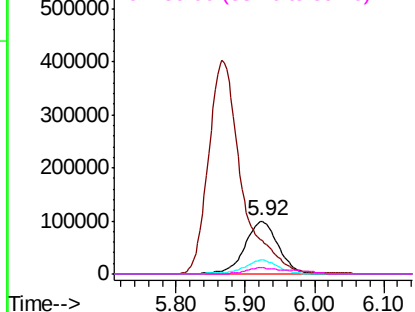
Abundance

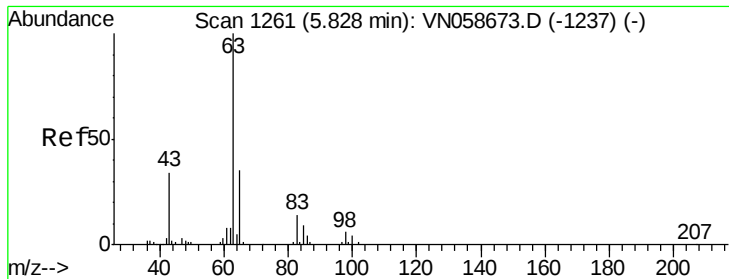
Ion 45.00 (44.70 to 45.70): VN058673.D (-1257) (-)

Ion 43.00 (42.70 to 43.70): VN058673.D (-1257) (-)

Ion 87.00 (86.70 to 87.70): VN058673.D (-1257) (-)

Ion 59.00 (58.70 to 59.70): VN058673.D (-1257) (-)





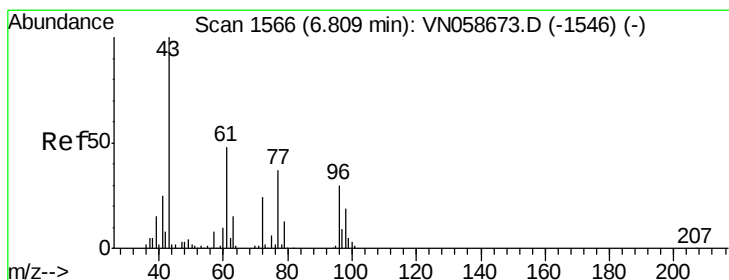
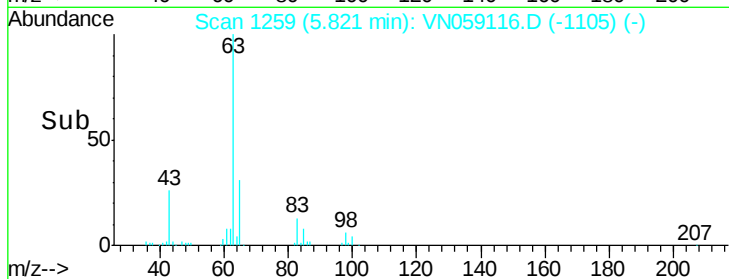
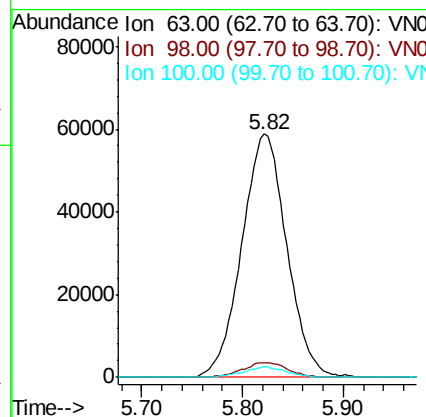
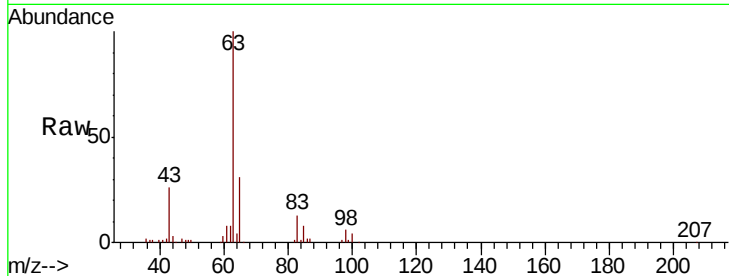
#21
 1,1-Dichloroethane
 Concen: 21.539 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	6.1	2.9	8.6
100	4.3	1.8	5.5

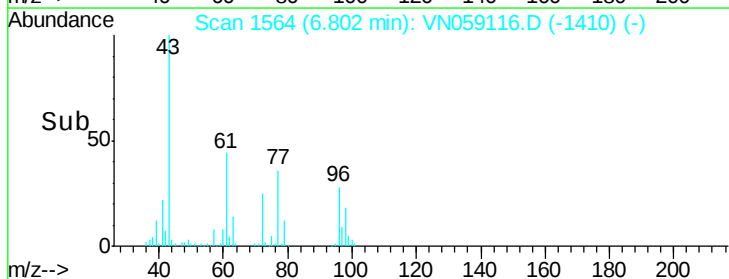
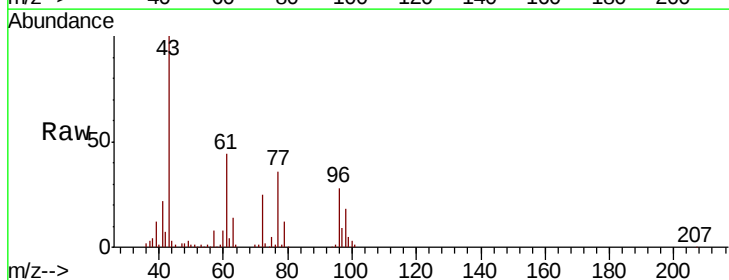
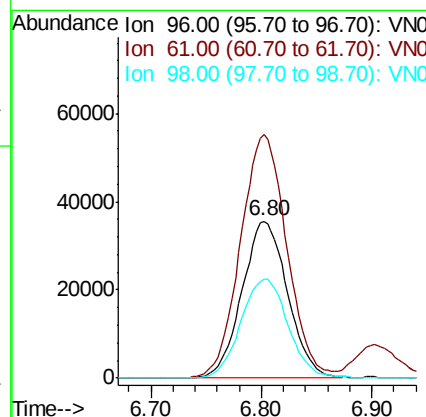
Manual Integrations
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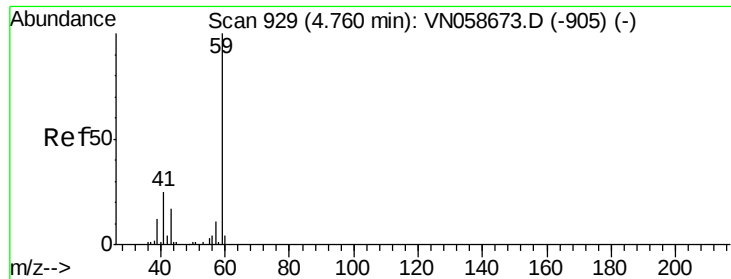
MMDadoda
 11/8/2019 9:39:08 AM



#22
 cis-1,2-Dichloroethene
 Concen: 20.909 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	157.6	127.2	190.8
98	65.3	50.5	75.7





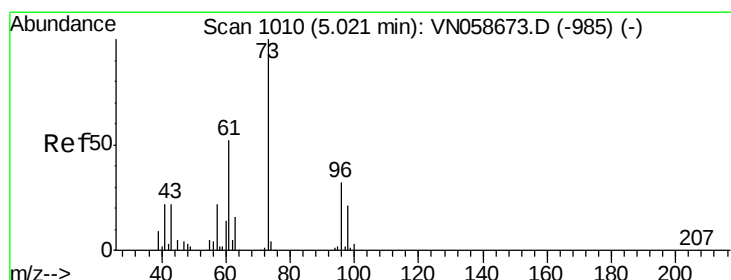
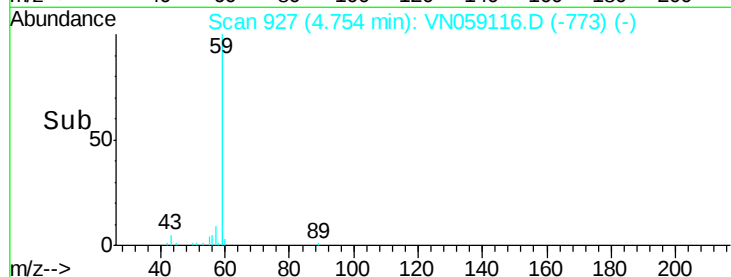
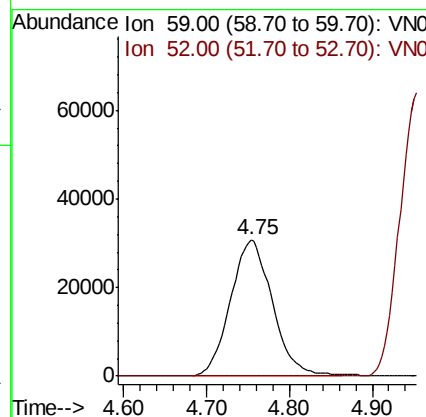
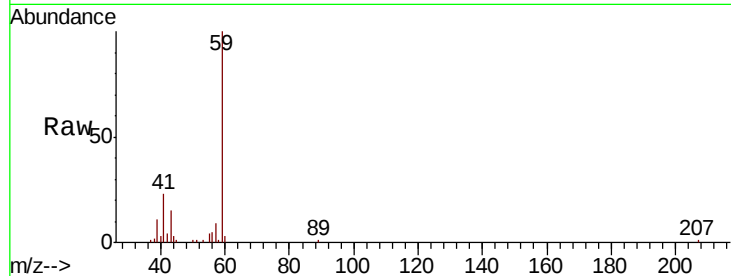
#23
tert-Butyl Alcohol
Concen: 111.690 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

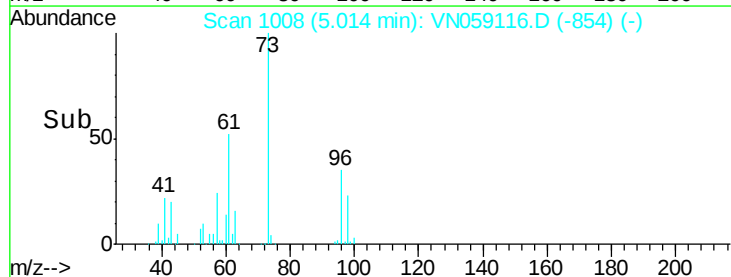
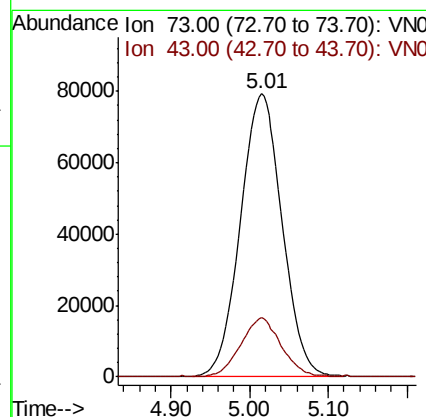
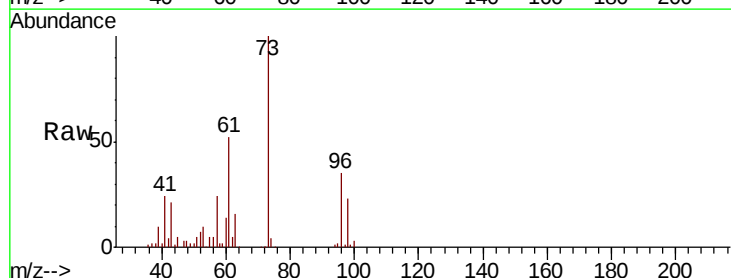
Manual Integrations
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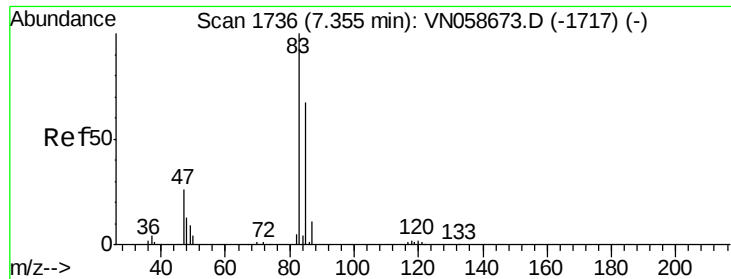
MMDadoda
11/8/2019 9:39:08 AM



#24
Methyl tert-Butyl Ether
Concen: 21.063 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.7	17.9	26.9





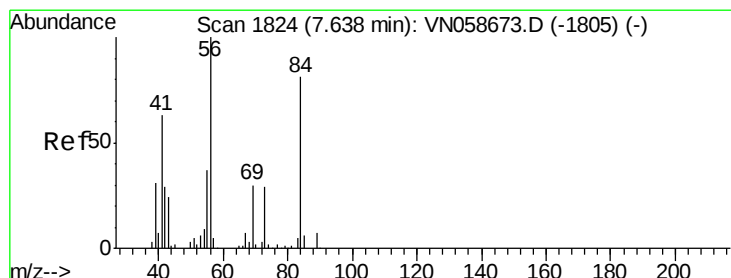
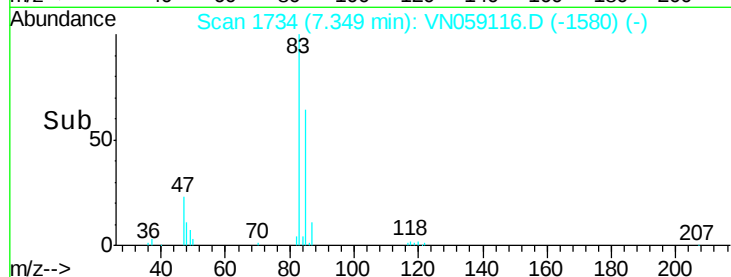
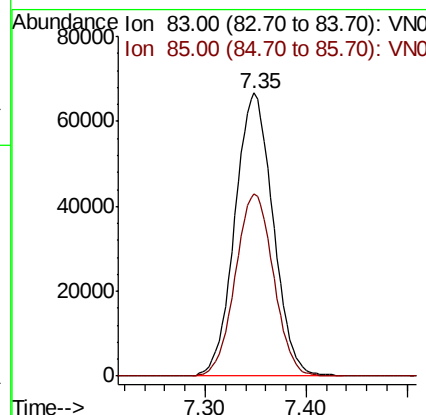
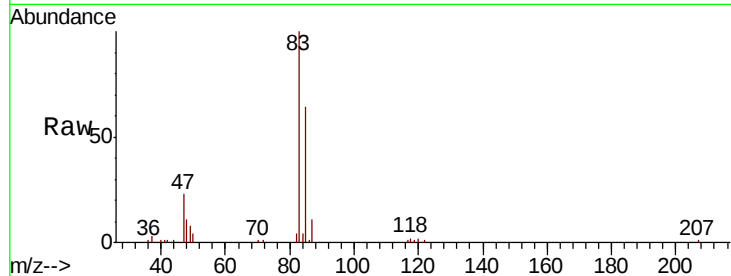
#25
Chloroform
Concen: 20.818 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	83	Resp	175164
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	53.8	80.8

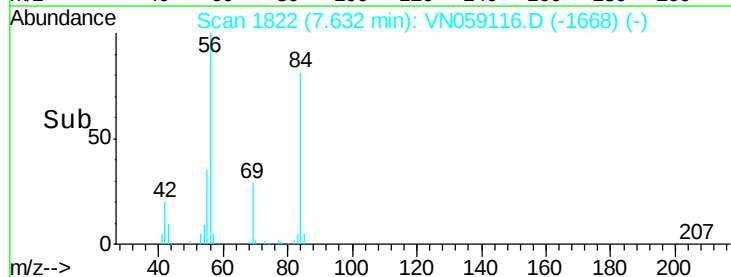
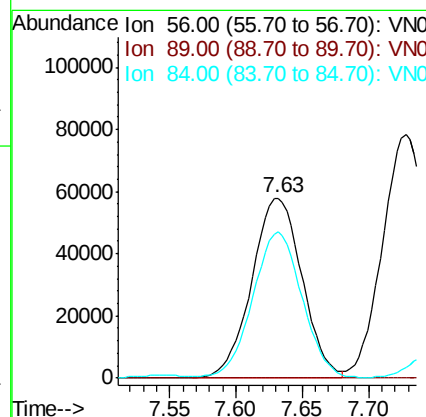
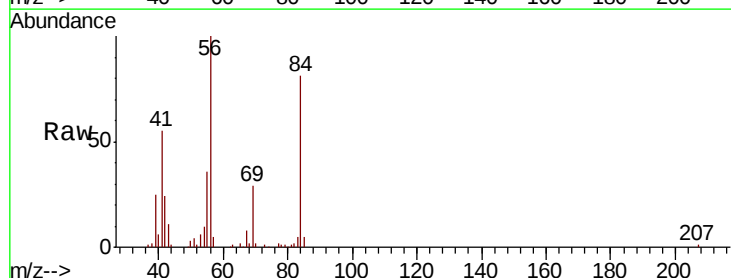
Manual Integrations
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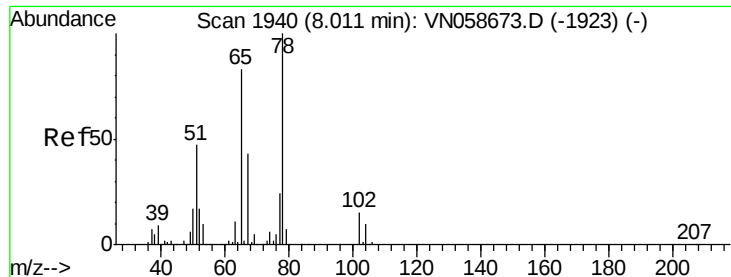
MMDadoda
11/8/2019 9:39:08 AM



#26
Cyclohexane
Concen: 20.712 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion	56	Resp	153373
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	6.2	9.2#
84	79.1	65.6	98.4





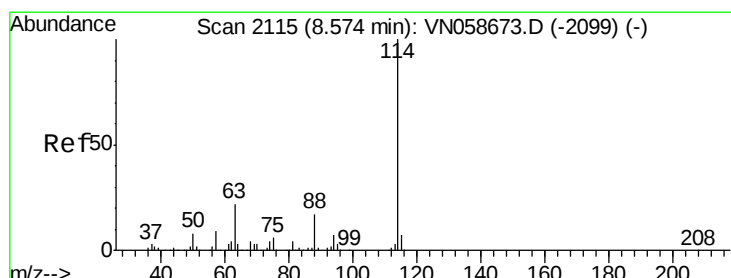
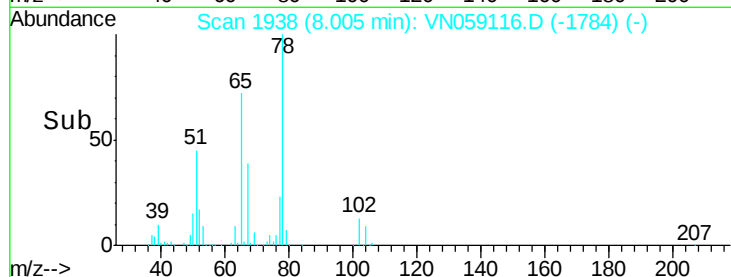
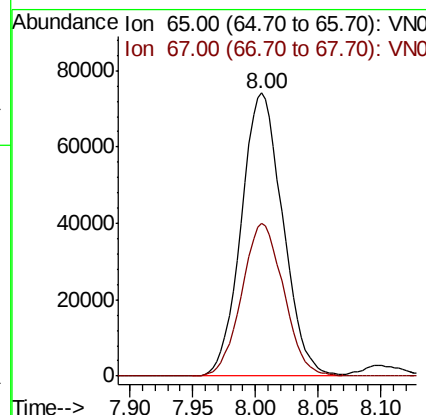
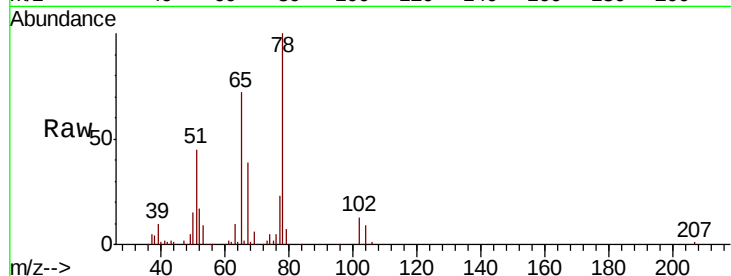
#27
 1,2-Dichloroethane-d4
 Concen: 28.079 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	41.5	62.3

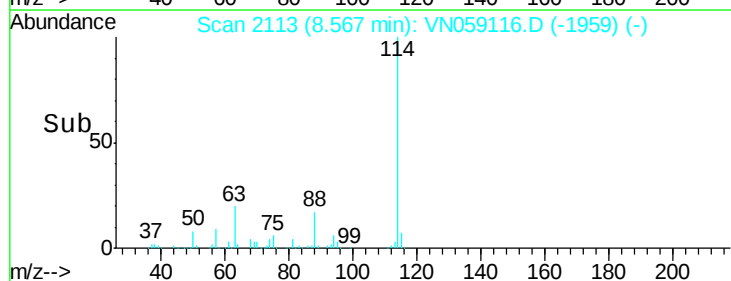
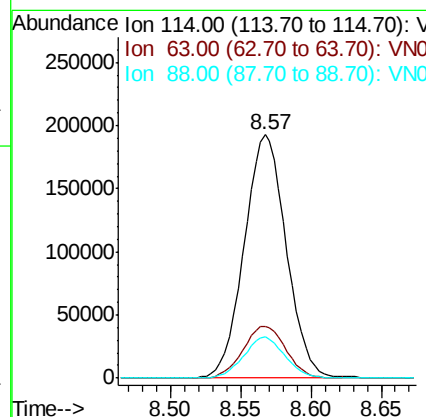
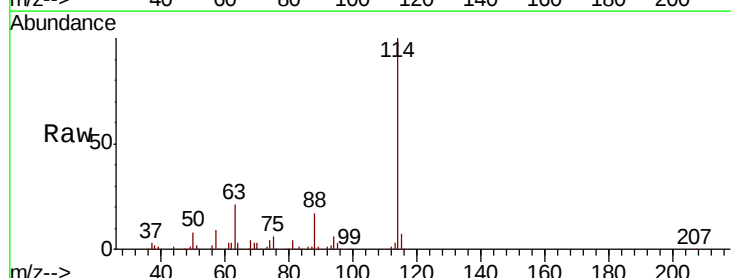
Manual Integrations
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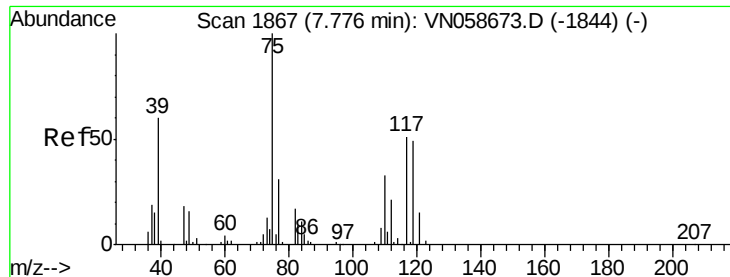
MMDadoda
 11/8/2019 9:39:08 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	18.1	27.1
88	16.6	13.0	19.4





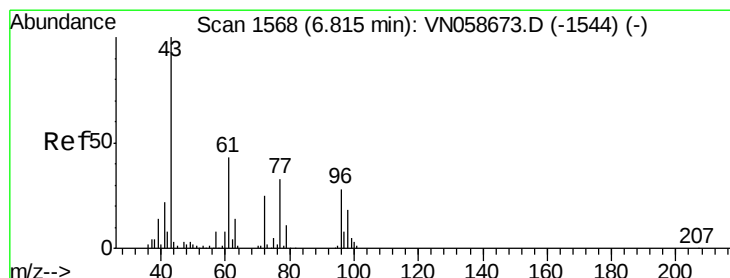
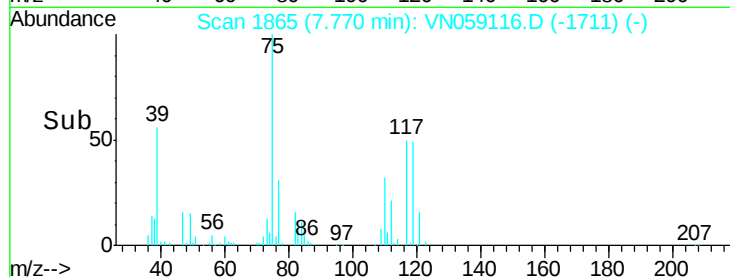
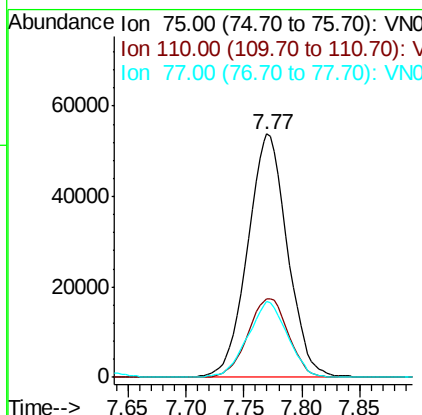
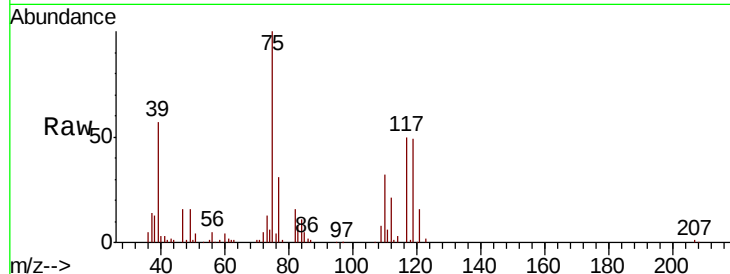
#29
 1,1-Dichloropropene
 Concen: 20.344 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.9	0.0	64.6
77	31.2	0.0	60.8

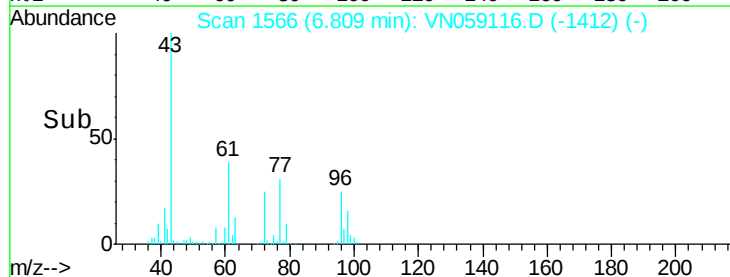
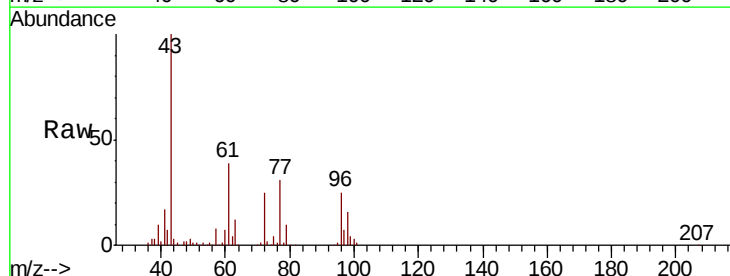
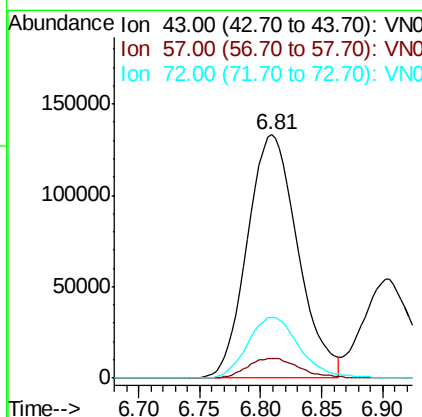
Manual Integrations
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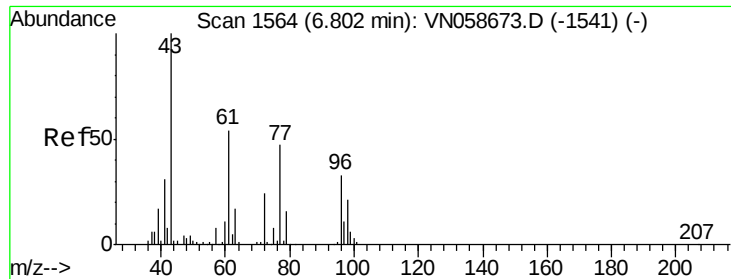
MMDadoda
 11/8/2019 9:39:08 AM



#30
 2-Butanone
 Concen: 106.717 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.5	6.5	9.7
72	25.8	20.1	30.1





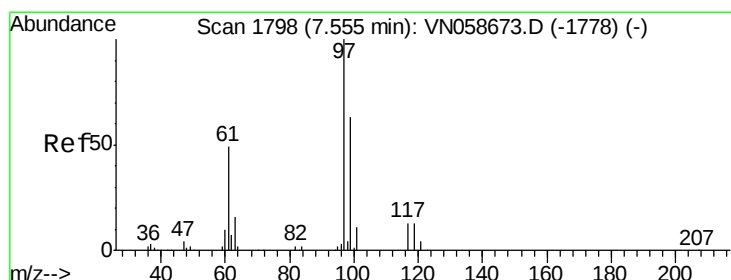
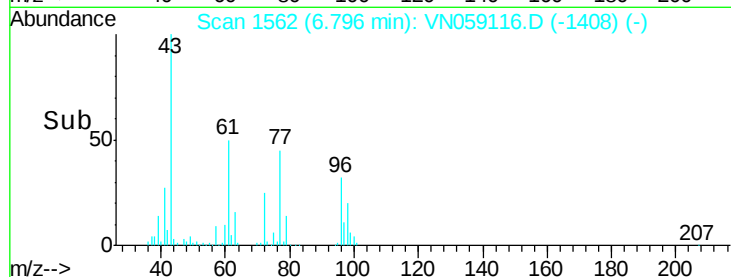
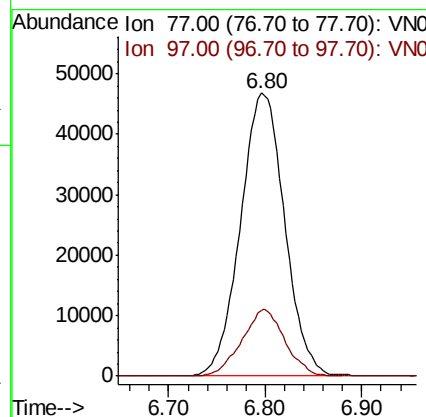
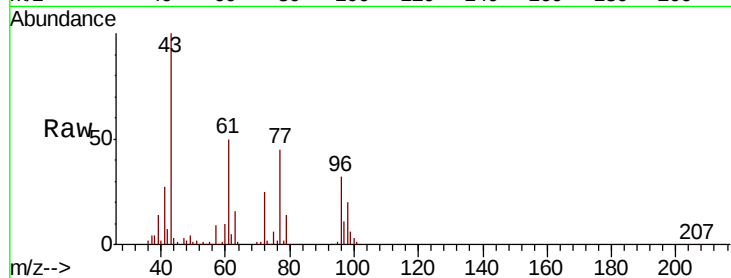
#31
 2,2-Dichloropropane
 Concen: 19.991 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion	Ratio	Lower	Upper
77	100		
97	22.9	17.9	26.9

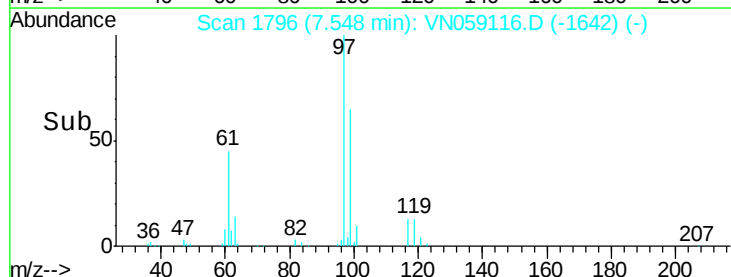
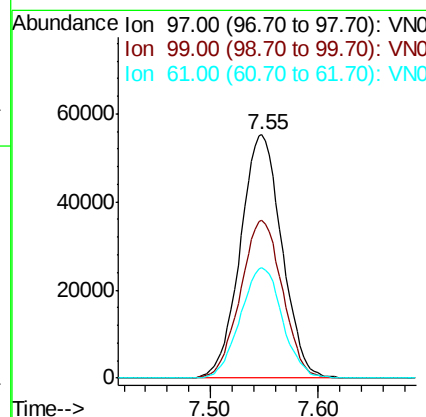
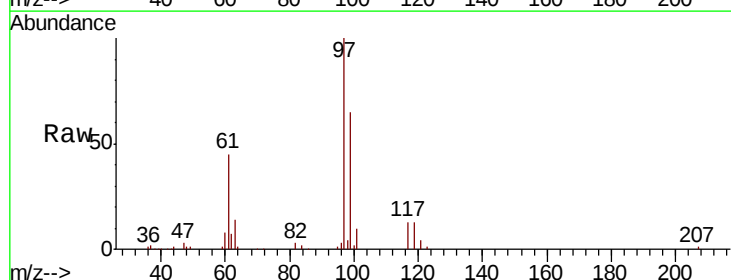
Manual Integrations
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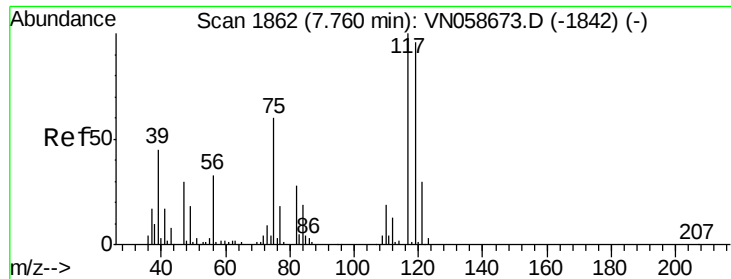
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 11/8/2019 9:39:08 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.264 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.3	76.9
61	45.9	38.4	57.6





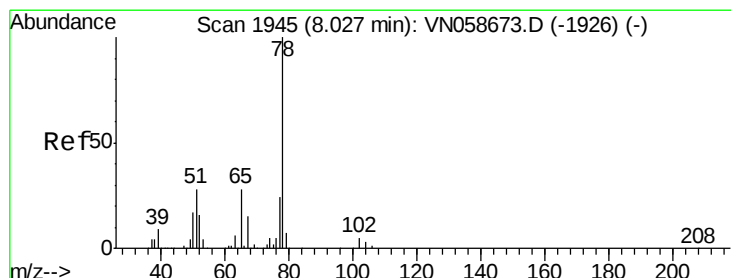
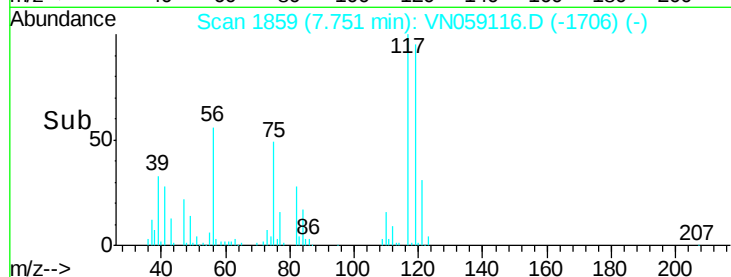
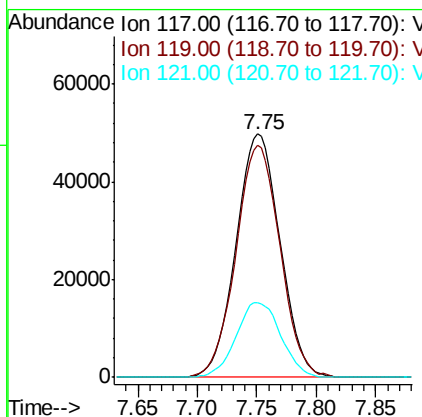
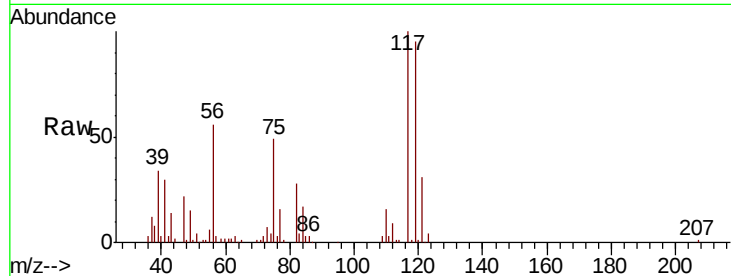
#33
Carbon Tetrachloride
Concen: 20.193 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.9	115.3
121	30.6	23.8	35.8

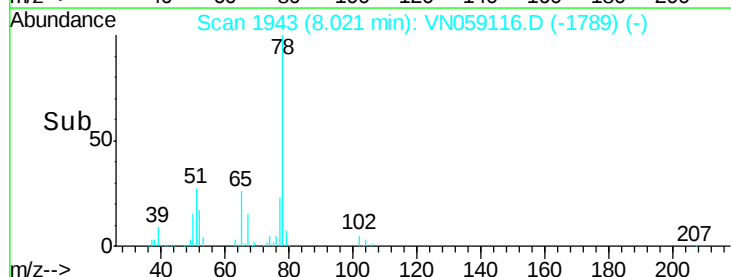
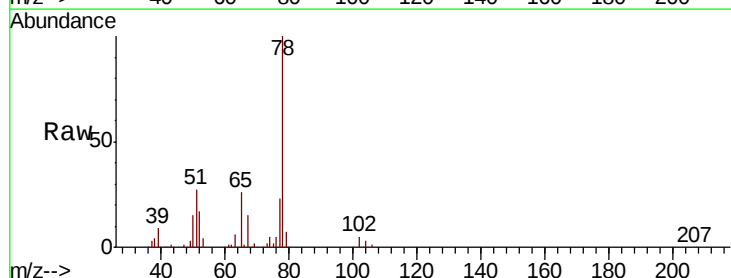
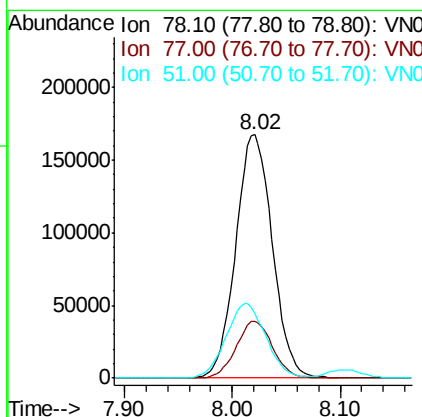
Manual Integrations
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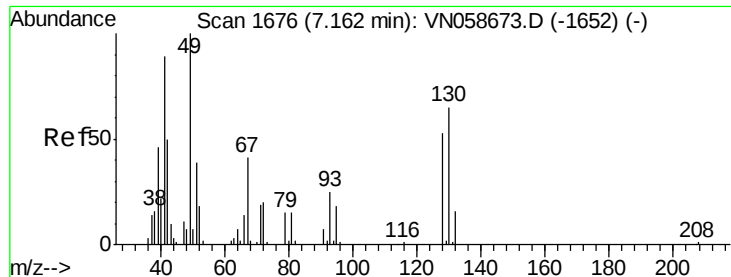
MMDadoda
11/8/2019 9:39:08 AM



#34
Benzene
Concen: 21.329 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8
51	26.5	22.1	33.1





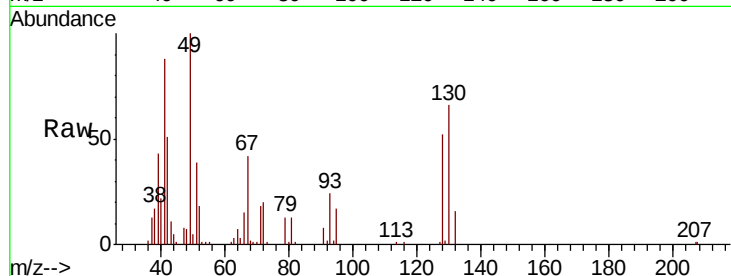
#35
Methacrylonitrile
Concen: 21.333 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	41	Resp	67209
Ion	Ratio	Lower	Upper
41	100		
39	48.9	25.8	77.4
67	47.2	23.0	69.0
52	20.1	10.1	30.1

Manual Integrations
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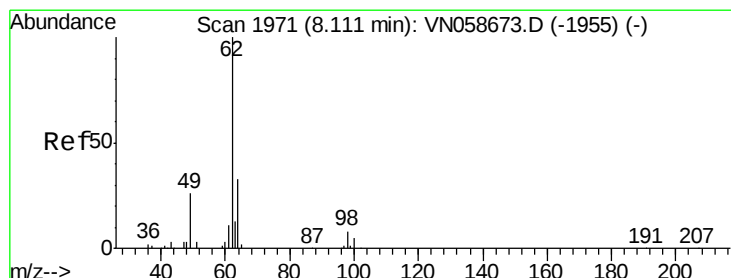
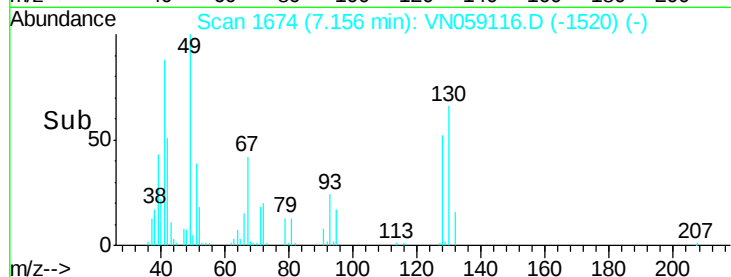
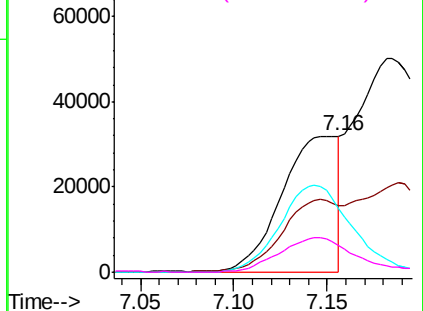
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

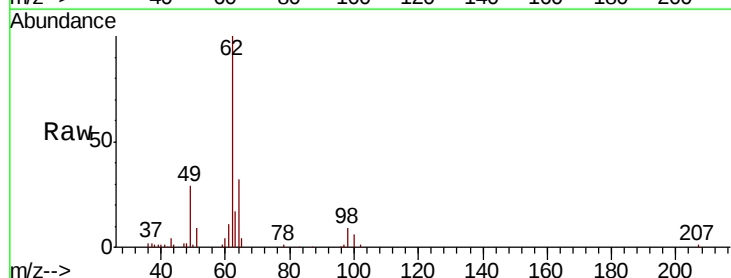
Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#36
1,2-Dichloroethane
Concen: 19.175 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

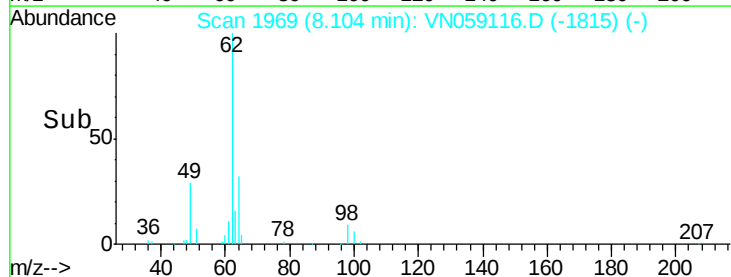
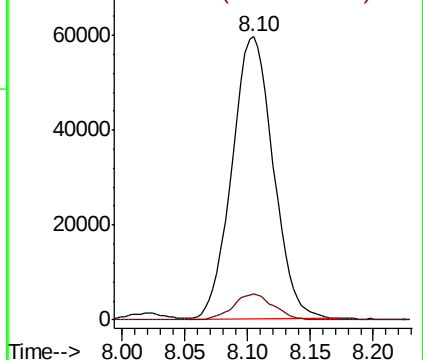
Tgt Ion	62	Resp	136211
Ion	Ratio	Lower	Upper
62	100		
98	8.9	6.4	9.6

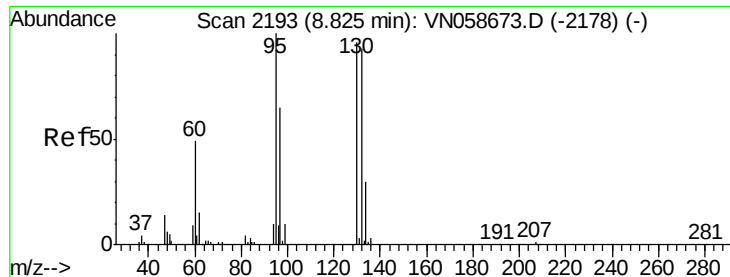


Abundance

Ion 62.00 (61.70 to 62.70): VNC

Ion 98.00 (97.70 to 98.70): VNC





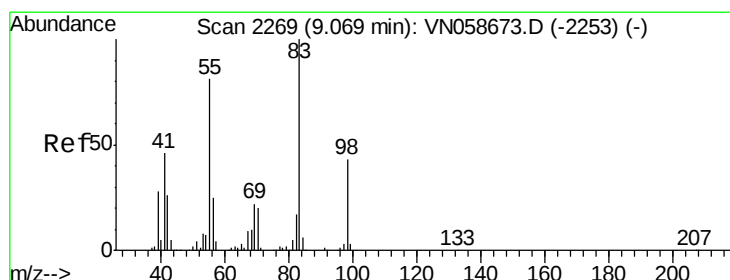
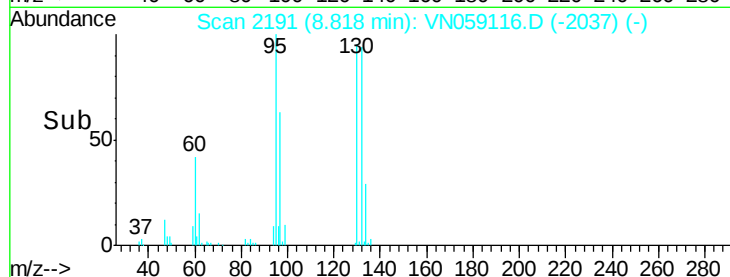
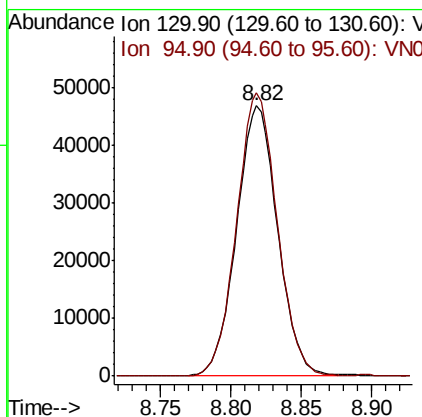
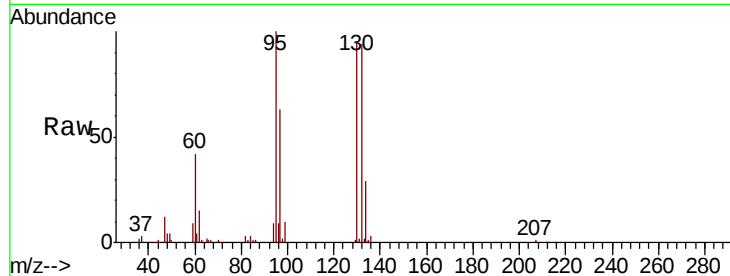
#37
 Trichloroethene
 Concen: 21.022 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion:130 Resp: 95952
 Ion Ratio Lower Upper
 130 100
 95 104.8 83.2 124.8

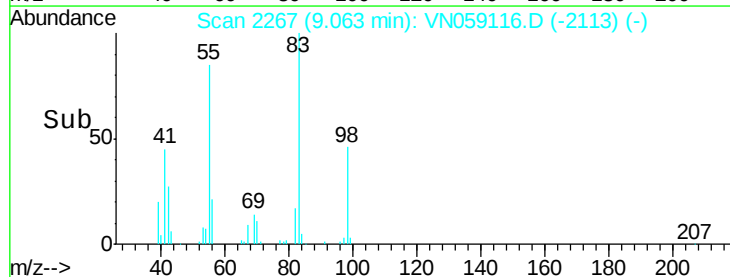
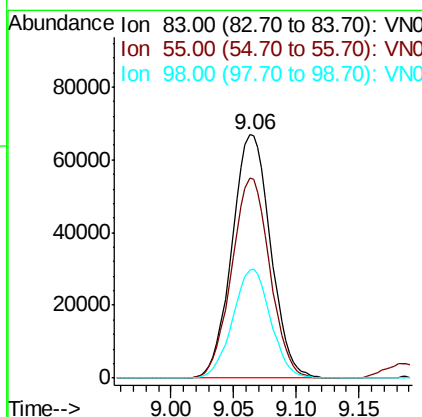
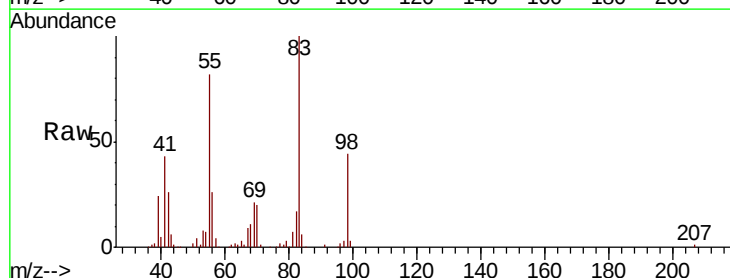
Manual Integrations
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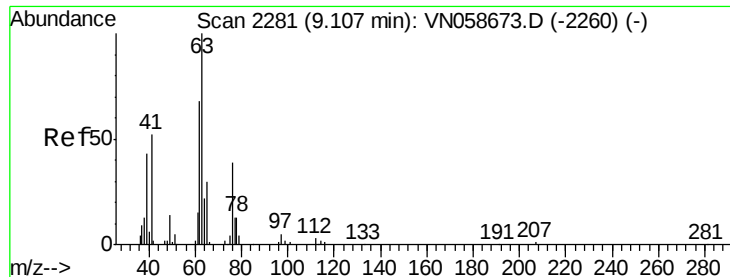
MMDadoda
 11/8/2019 9:39:08 AM



#38
 Methylcyclohexane
 Concen: 19.576 ug/l
 RT: 9.06 min Scan# 2267
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Tgt Ion: 83 Resp: 143240
 Ion Ratio Lower Upper
 83 100
 55 81.2 40.4 121.1
 98 43.8 21.6 65.0





#39

1,2-Dichloropropane

Concen: 21.521 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS01

Tot Ion: 63 Resp: 109274

Ion Ratio Lower Upper

63 100

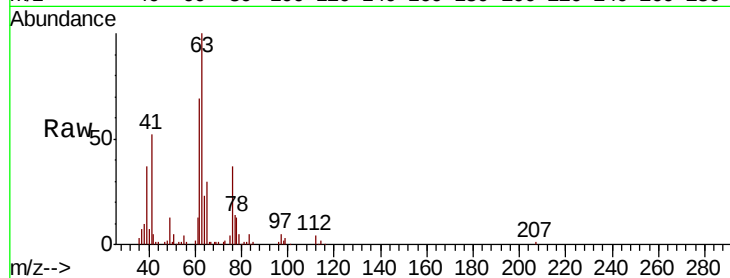
65 30.3 23.8 35.6

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VN058673.D (-2260) (-)

Ion 65.00 (64.70 to 65.70): VN058673.D (-2260) (-)

9.10

60000

50000

40000

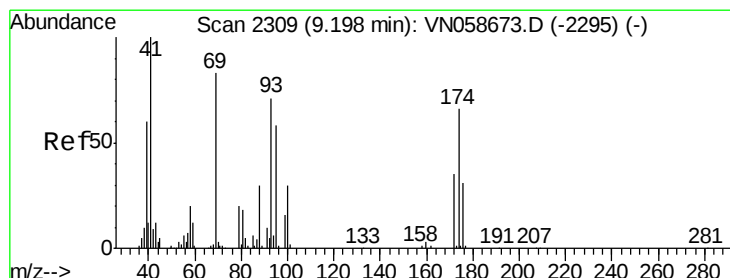
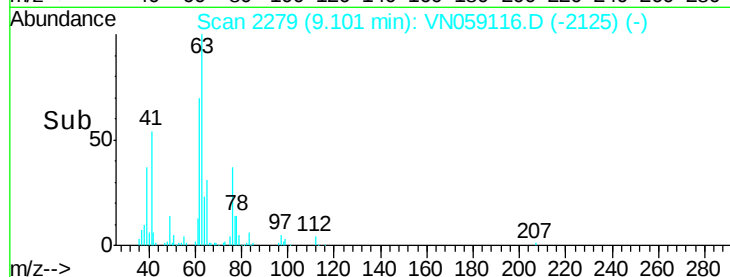
30000

20000

10000

0

Time-->



#40

Dibromomethane

Concen: 20.237 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

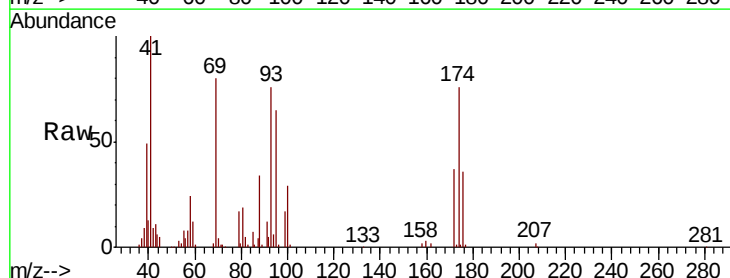
Tgt Ion: 93 Resp: 64865

Ion Ratio Lower Upper

93 100

95 85.5 0.0 167.6

174 100.9 0.0 187.2



Abundance Ion 93.00 (92.70 to 93.70): VN058673.D (-2295) (-)

Ion 95.00 (94.70 to 95.70): VN058673.D (-2295) (-)

Ion 174.00 (173.70 to 174.70): VN058673.D (-2295) (-)

9.19

40000

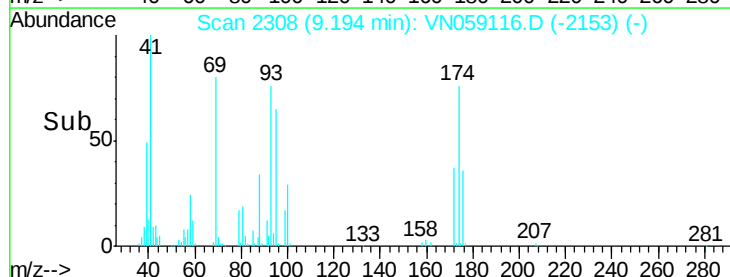
30000

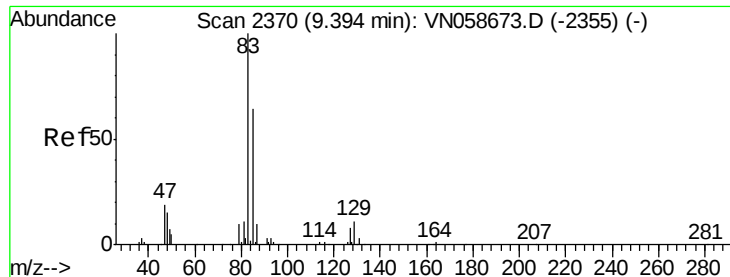
20000

10000

0

Time-->





#41

Bromodichloromethane

Concen: 20.863 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

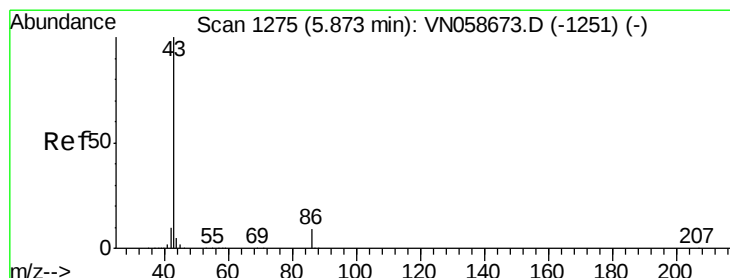
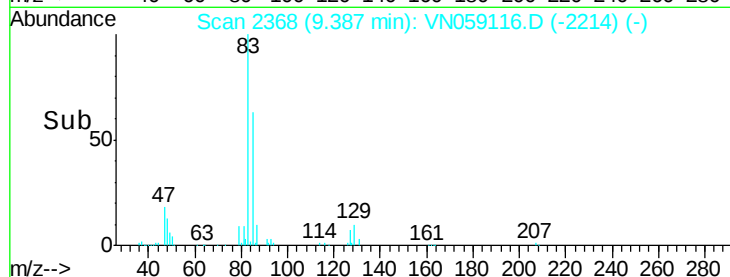
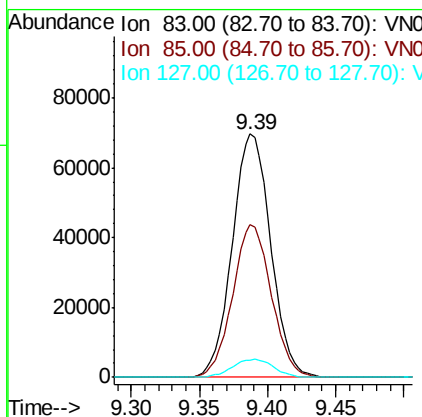
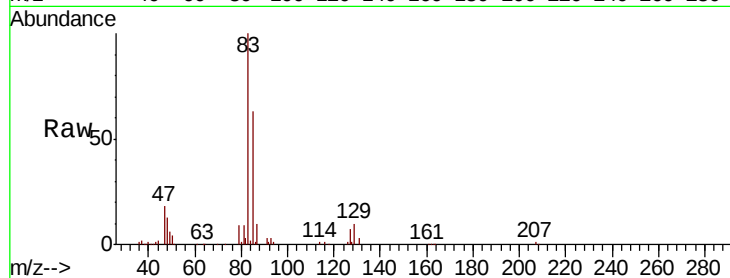
ClientSampleId :

VN1107WBS01

Tot Ion:	83	Resp:	136615
Ion Ratio	Lower	Upper	
83	100		
85	62.7	51.0	76.4
127	7.3	6.6	9.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 107.129 ug/l

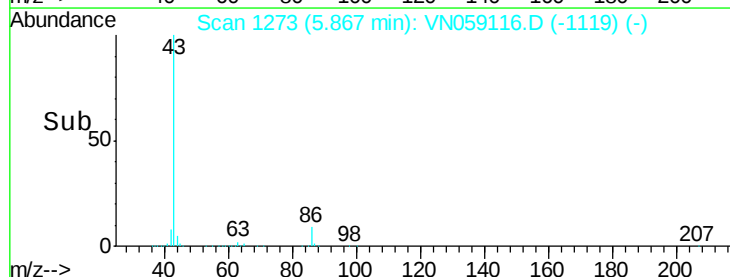
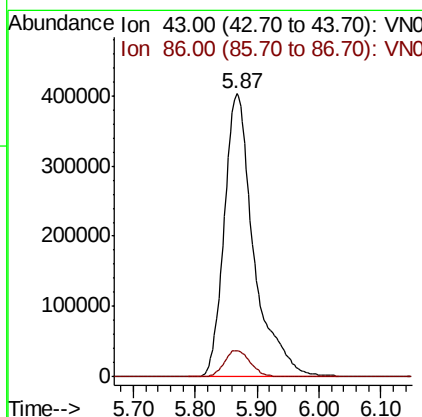
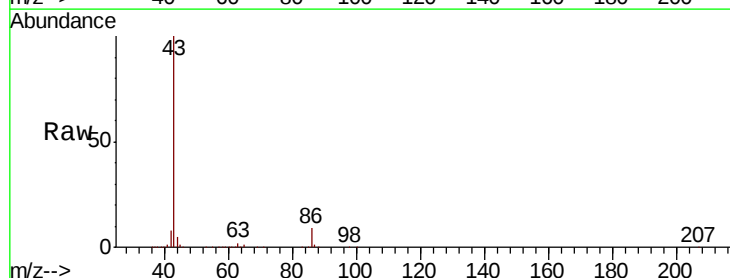
RT: 5.87 min Scan# 1273

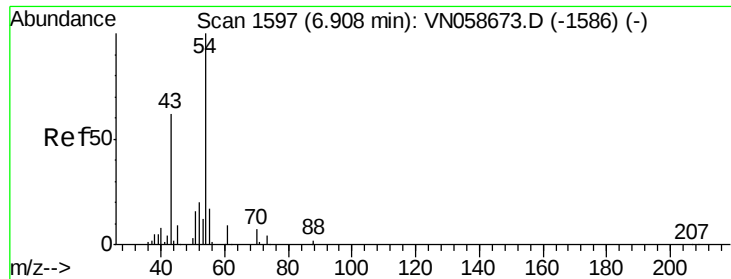
Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Tgt Ion:	43	Resp:	1338032
Ion Ratio	Lower	Upper	
43	100		
86	8.3	6.5	9.7





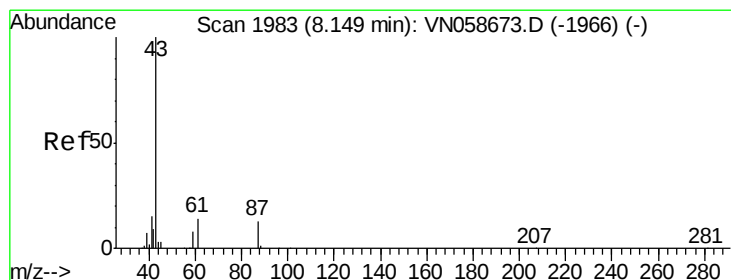
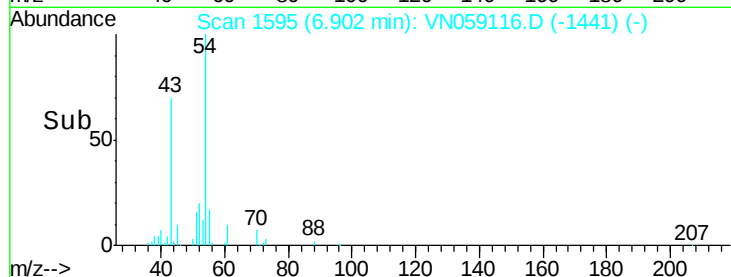
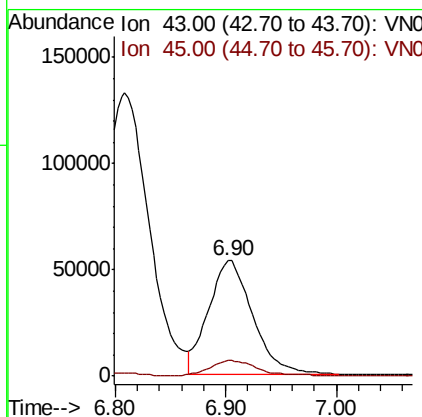
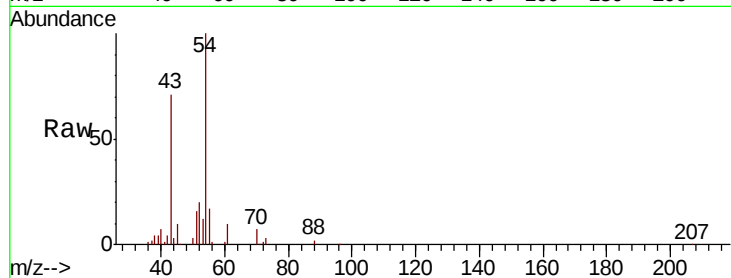
#43
Ethyl Acetate
Concen: 21.166 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion: 43 Resp: 148154
Ion Ratio Lower Upper
43 100
45 15.0 9.7 14.5#

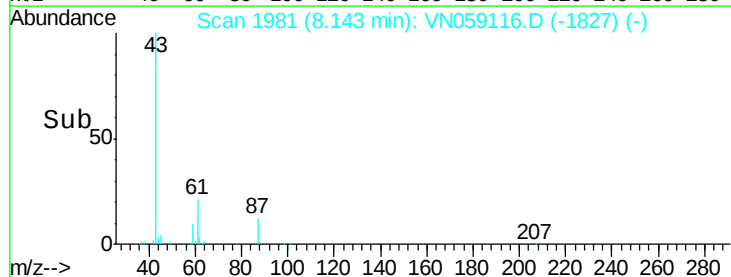
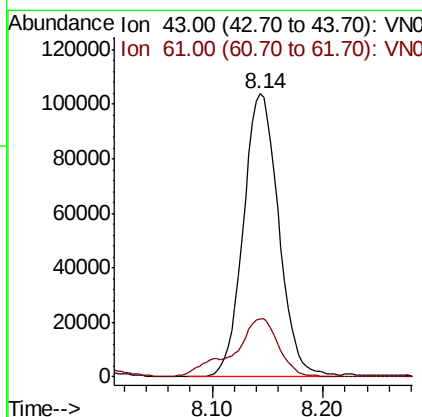
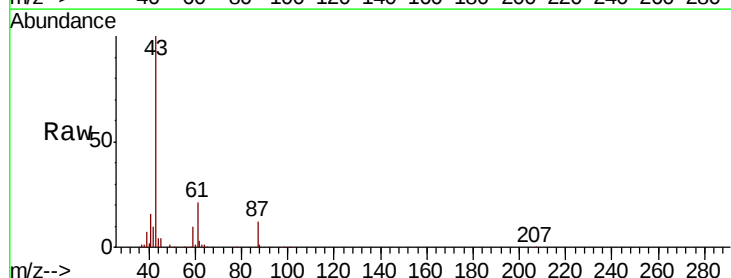
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APPROVED

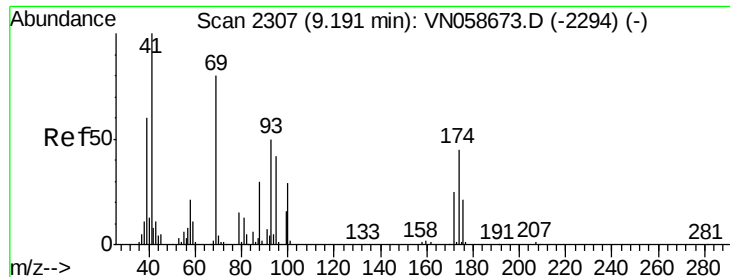
MMDadoda
11/8/2019 9:39:08 AM



#44
Isopropyl Acetate
Concen: 20.344 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion: 43 Resp: 230662
Ion Ratio Lower Upper
43 100
61 20.0 19.9 29.9





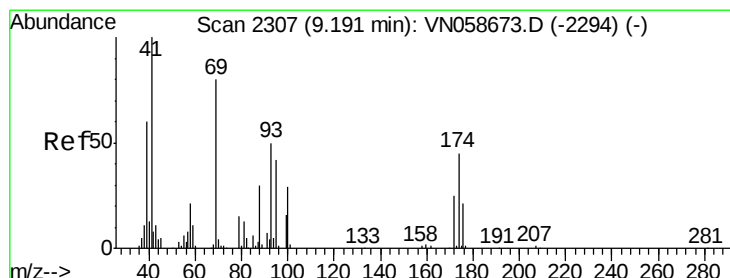
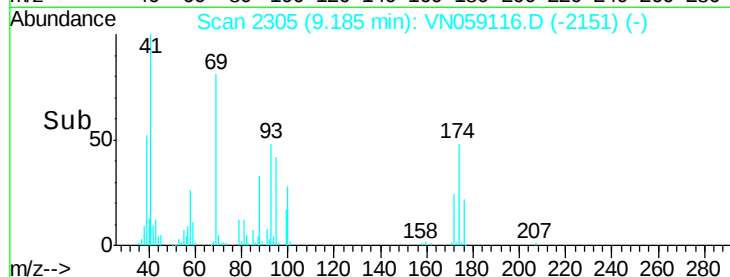
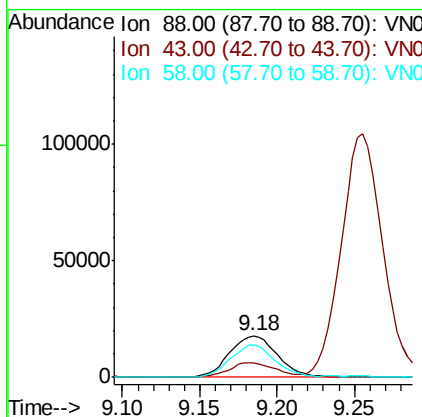
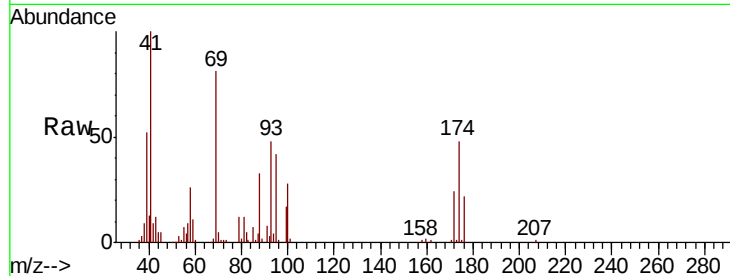
#45
 1,4-Dioxane
 Concen: 442.094 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN1107WBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	34.1	29.8	44.8	
58	72.7	58.2	87.4	

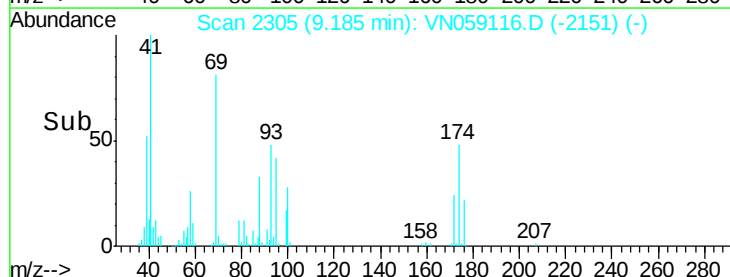
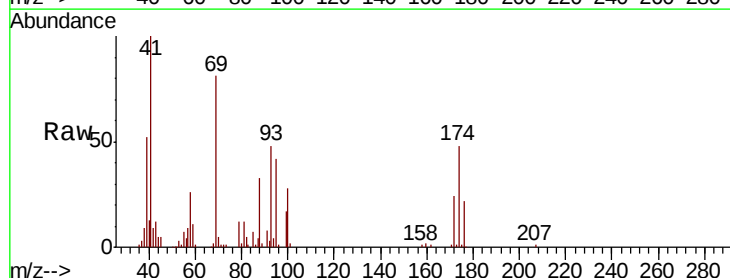
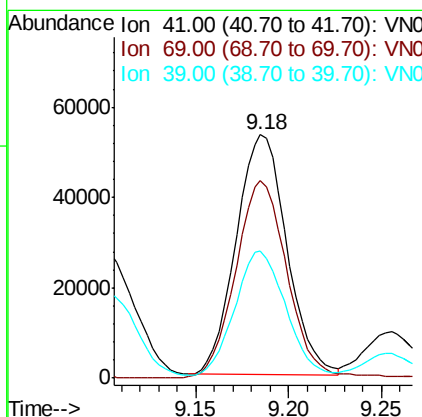
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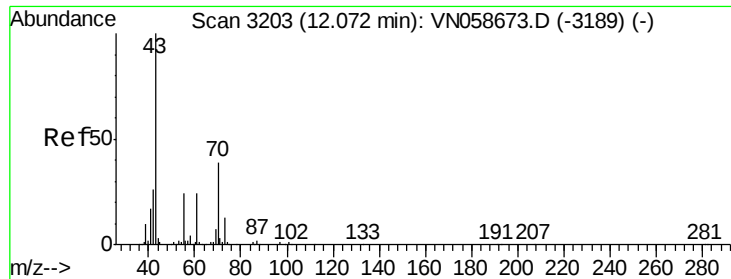
MMDadoda
 11/8/2019 9:39:08 AM



#46
 Methyl methacrylate
 Concen: 19.491 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	81.5	40.2	120.5	
39	52.1	29.9	89.8	





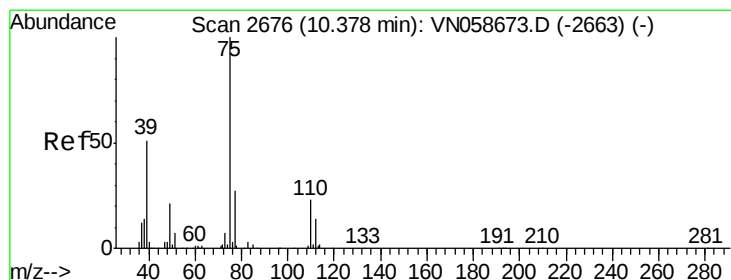
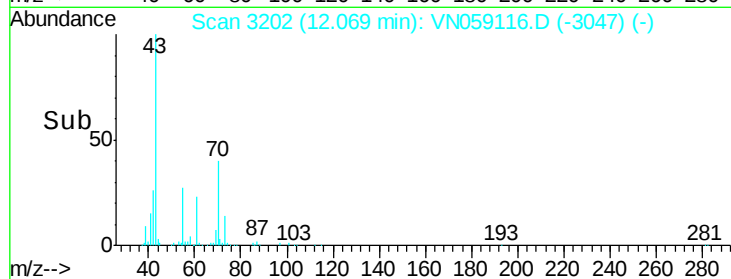
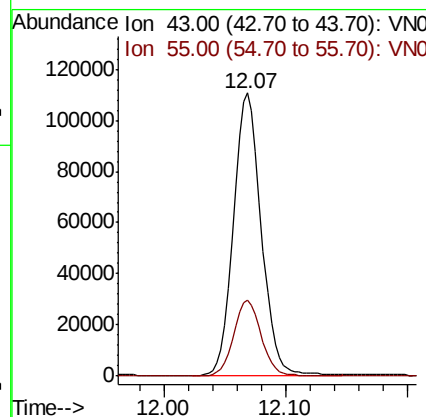
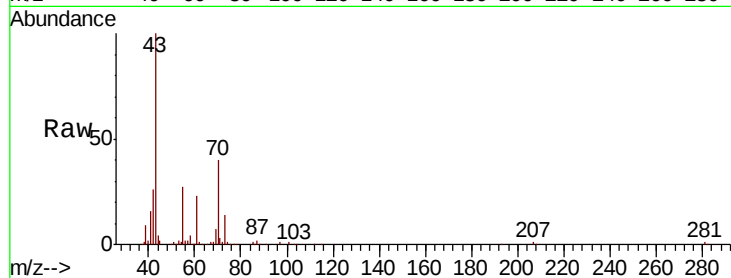
#47
n-amvl Acetate
Concen: 17.389 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion: 43 Resp: 174774
Ion Ratio Lower Upper
43 100
55 27.0 19.6 29.4

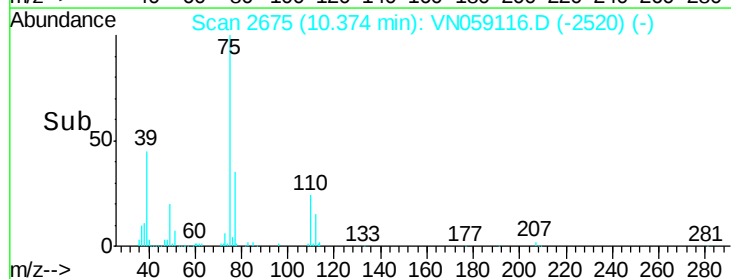
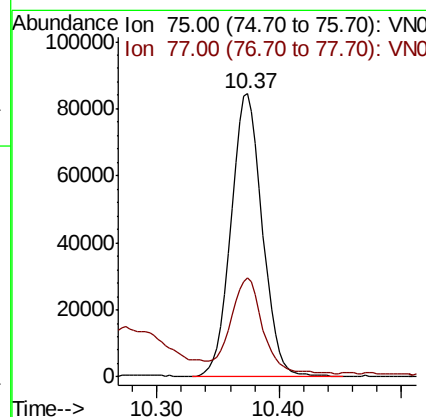
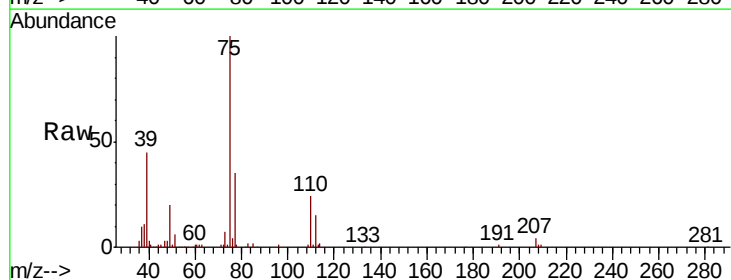
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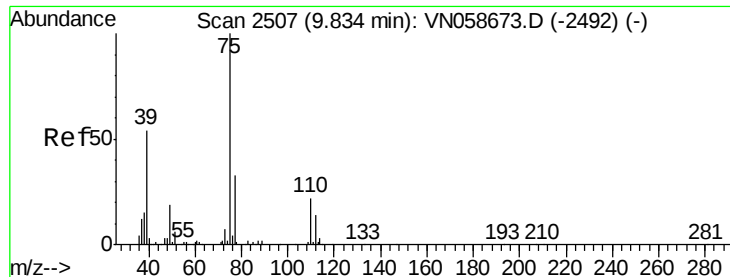
MMDadoda
11/8/2019 9:39:08 AM



#48
t-1,3-Dichloropropene
Concen: 19.790 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion: 75 Resp: 150289
Ion Ratio Lower Upper
75 100
77 33.6 27.0 40.4





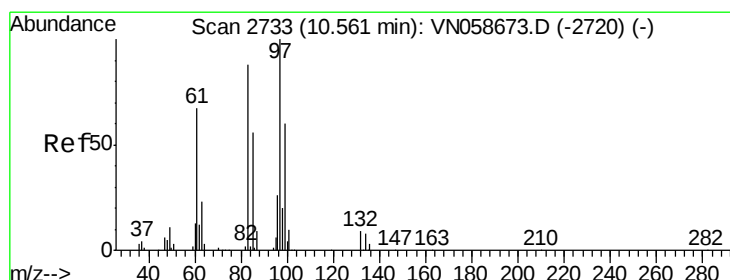
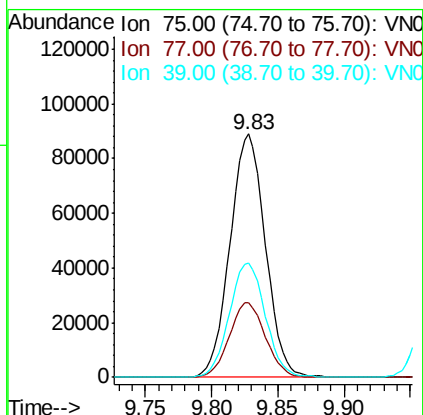
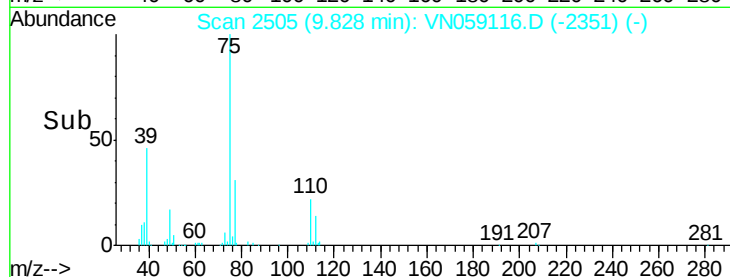
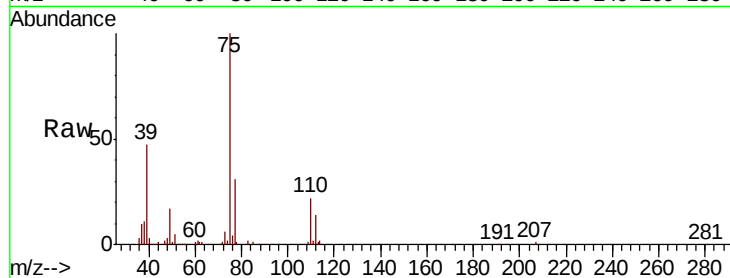
#49
 cis-1,3-Dichloropropene
 Concen: 20.744 ug/l
 RT: 9.83 min Scan# 2505
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion:	75	Resp:	165427
Ion Ratio	Lower	Upper	
75	100		
77	30.7	26.1	39.1
39	46.5	43.1	64.7

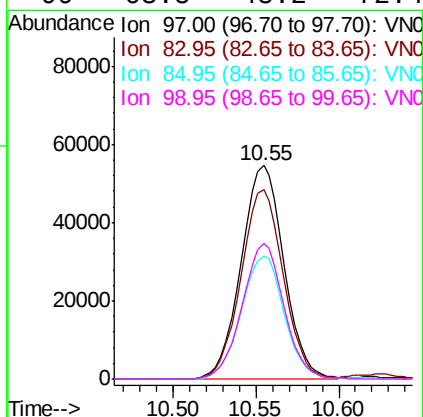
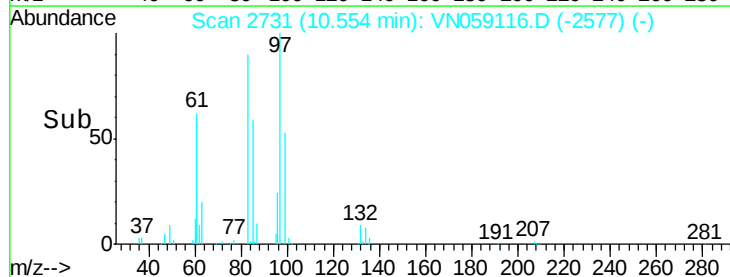
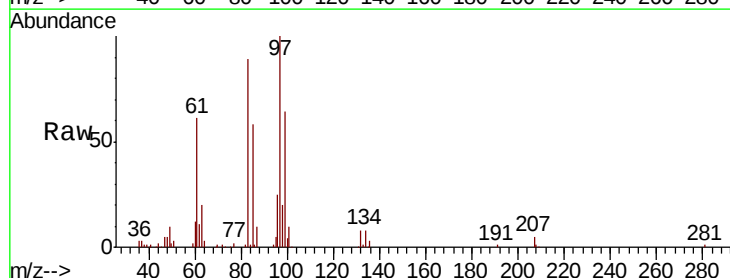
Manual Integrations
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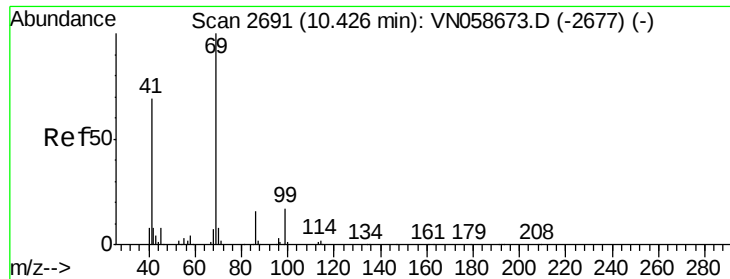
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 21.438 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Tgt Ion:	97	Resp:	98095
Ion Ratio	Lower	Upper	
97	100		
83	88.9	70.7	106.1
85	57.8	45.1	67.7
99	63.5	48.2	72.4





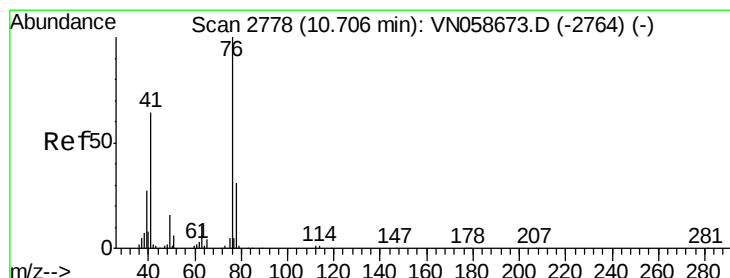
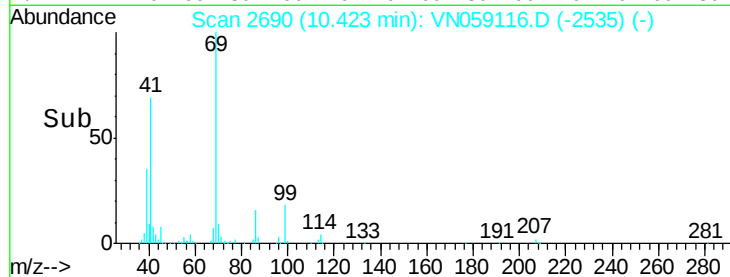
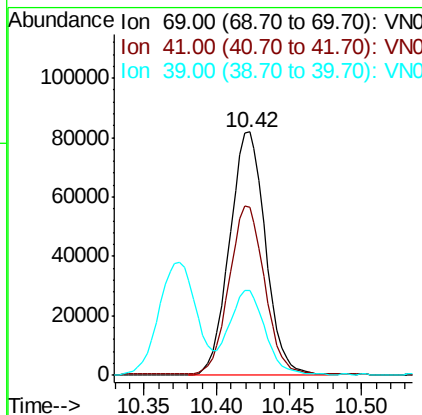
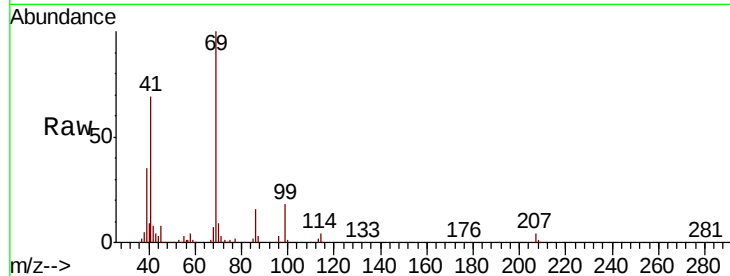
#51
Ethyl methacrylate
Concen: 19.284 ug/l
RT: 10.42 min Scan# 2690
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampled :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	68.7	34.7	104.1
39	34.4	20.3	60.8

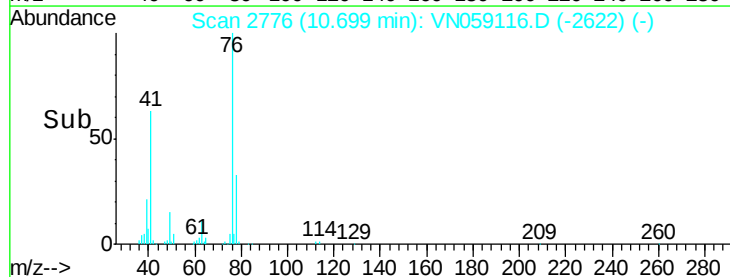
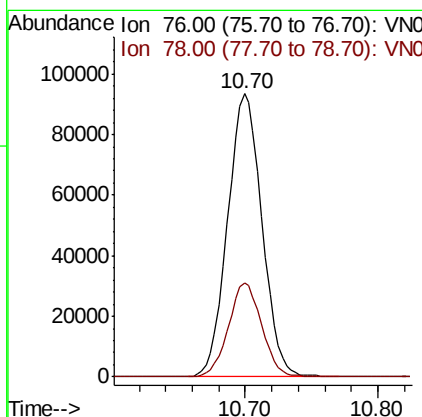
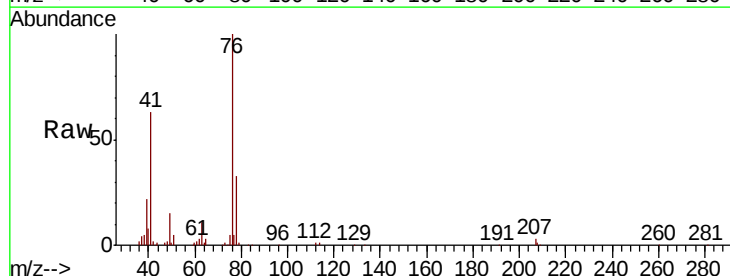
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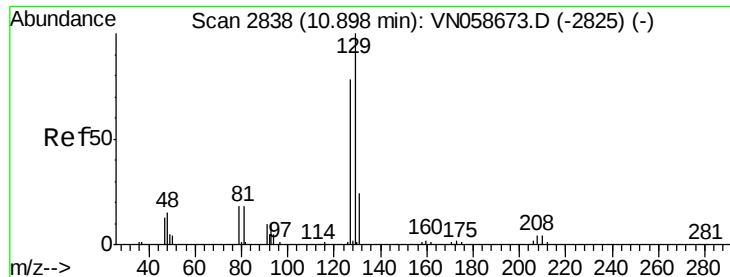
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#52
1,3-Dichloropropane
Concen: 20.604 ug/l
RT: 10.70 min Scan# 2776
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	63.2





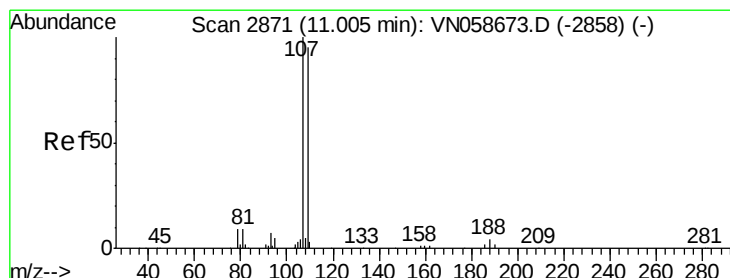
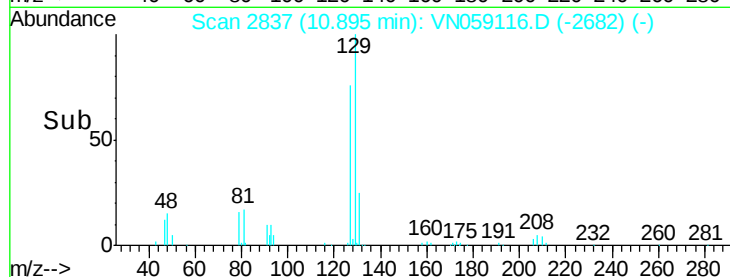
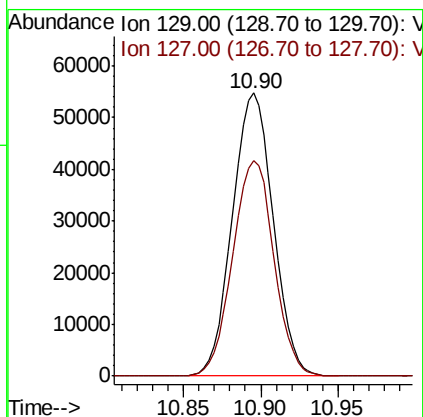
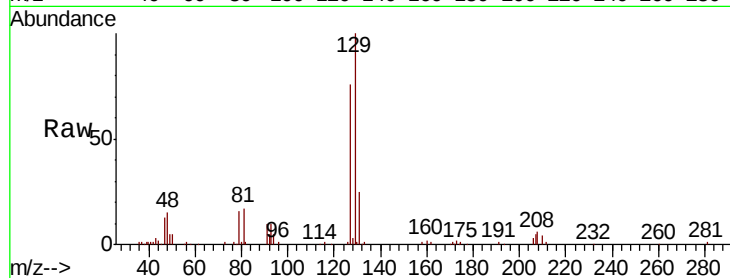
#53
Dibromochloromethane
Concen: 20.512 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.1	117.5

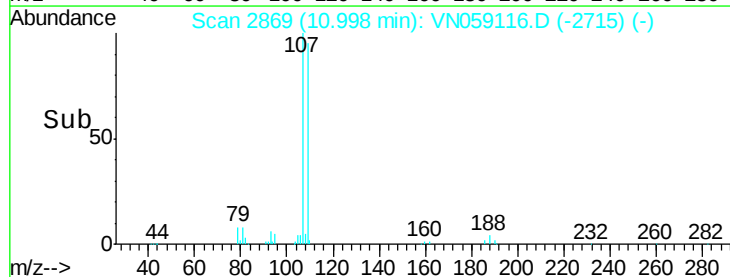
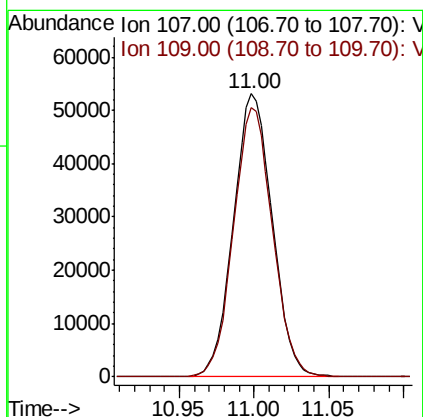
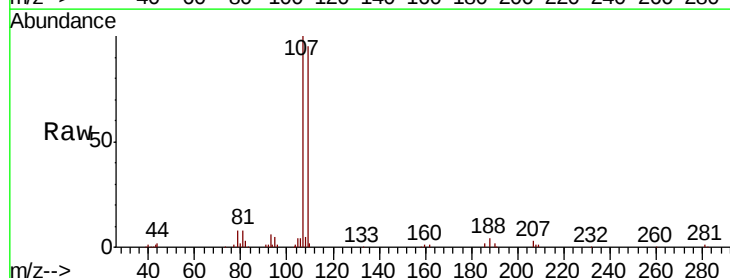
Manual Integrations
APPROVED

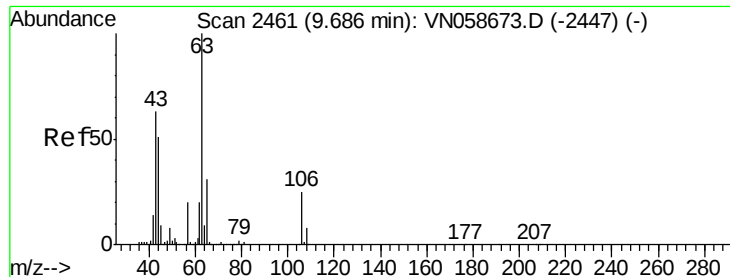
MMDadoda
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#54
1,2-Dibromoethane
Concen: 20.224 ug/l
RT: 11.00 min Scan# 2869
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.5	76.2	114.4





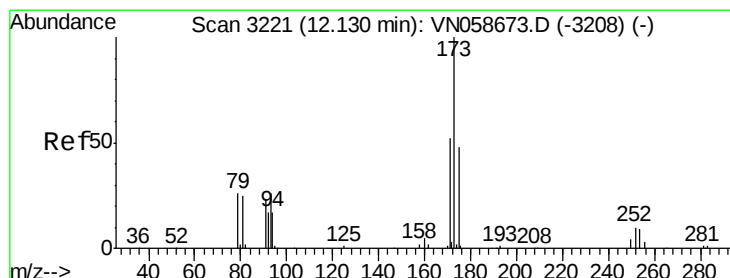
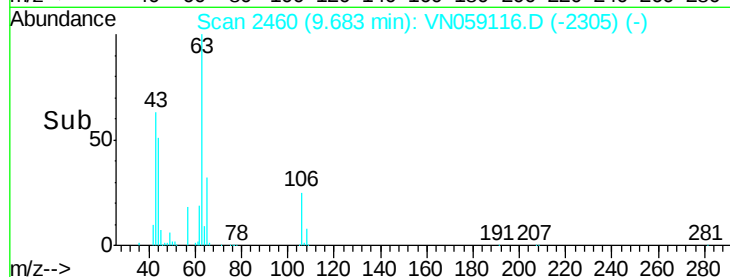
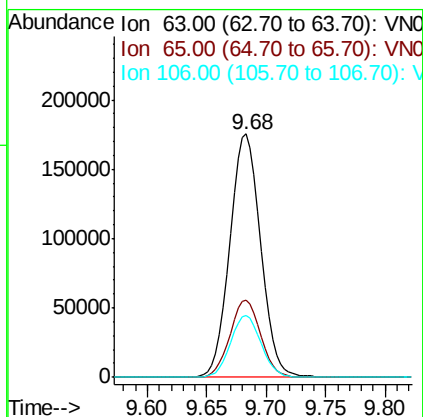
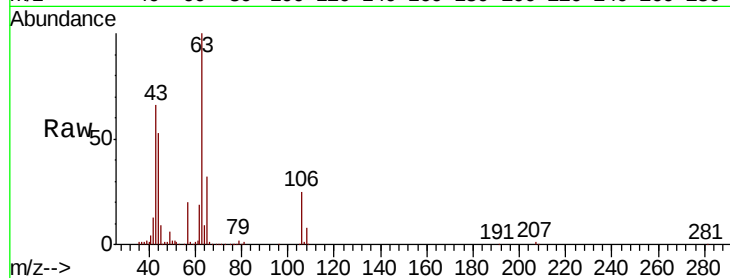
#55
2-Chloroethyl vinyl ether
Concen: 86.679 ug/l
RT: 9.68 min Scan# 2460
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.3	37.9
106	25.1	19.8	29.6

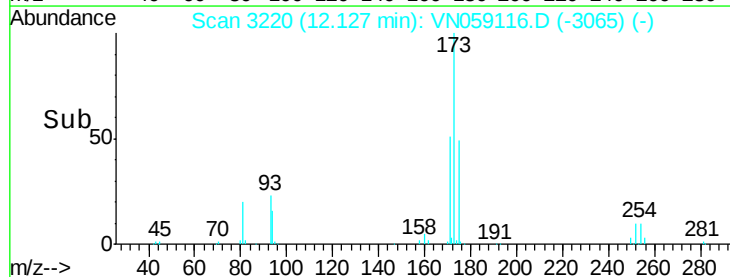
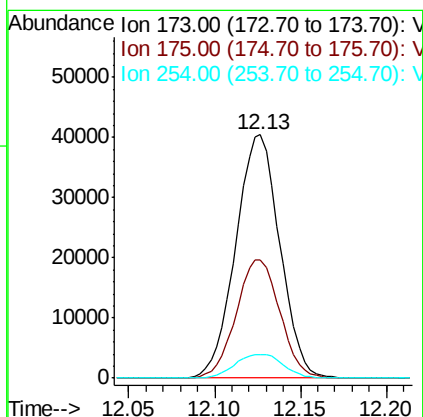
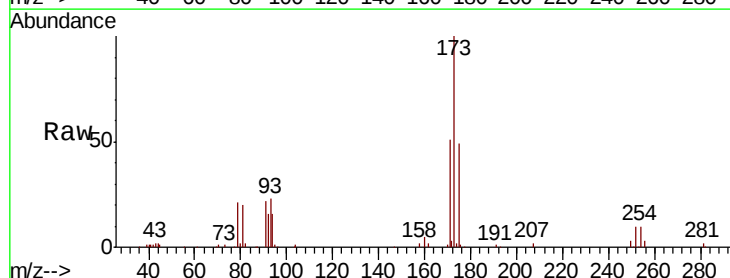
Manual Integrations
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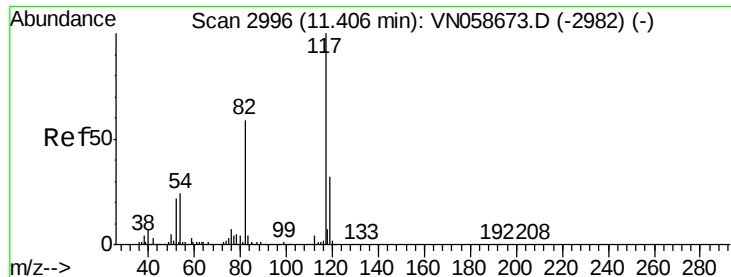
MMDadoda
11/8/2019 9:39:08 AM



#56
Bromoform
Concen: 21.027 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.7	58.1
254	10.4	7.4	11.2





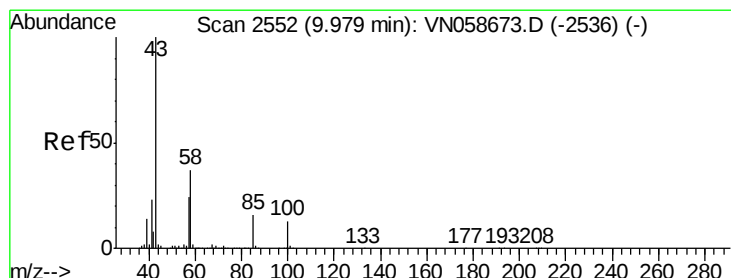
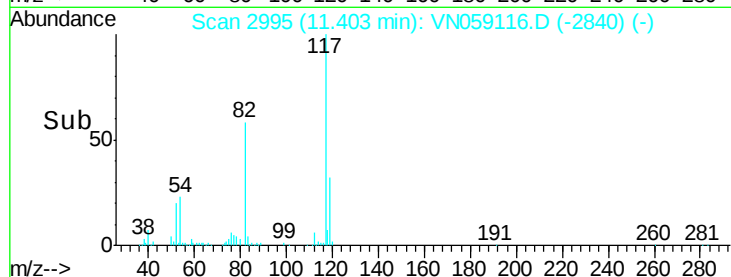
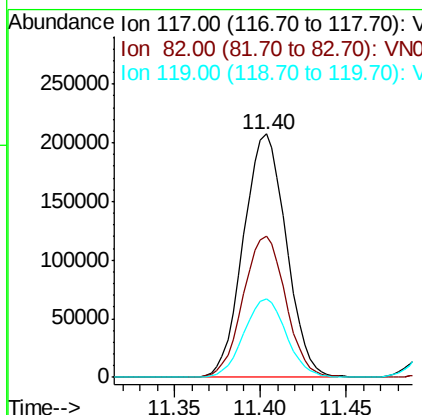
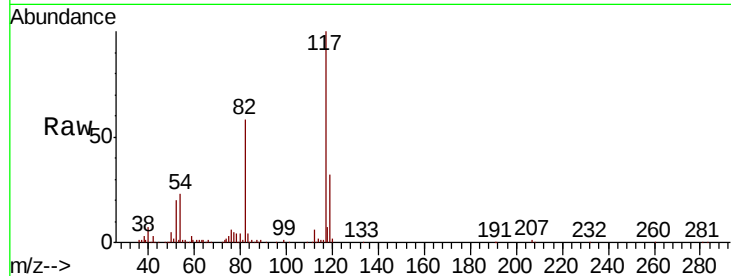
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.9	70.3
119	32.0	25.8	38.6

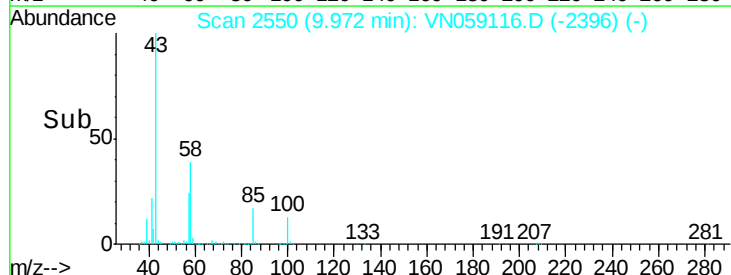
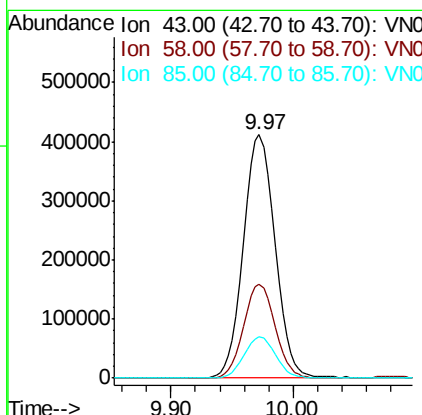
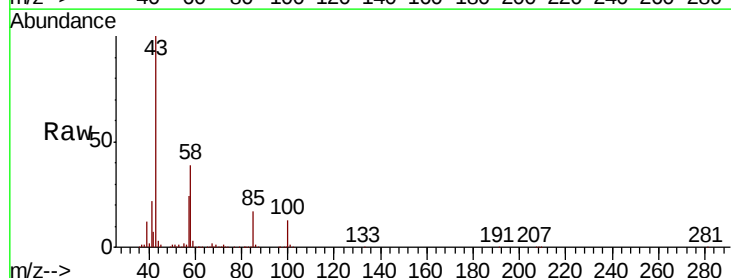
Manual Integrations
APPROVED

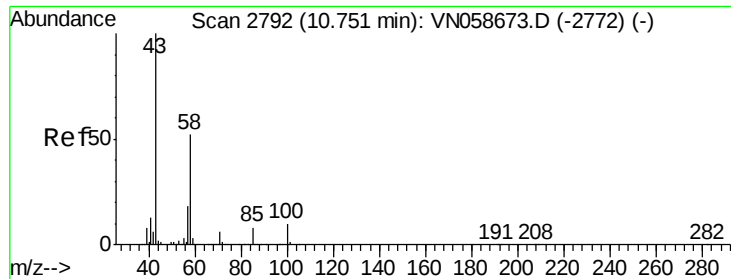
MMDadoda
11/8/2019 9:39:08 AM



#58
4-Methyl-2-Pentanone
Concen: 112.431 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.1	45.1
85	16.9	13.2	19.8





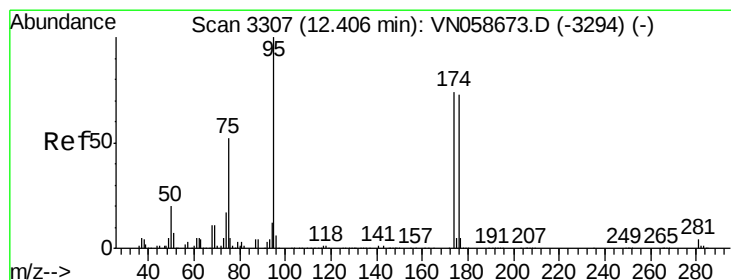
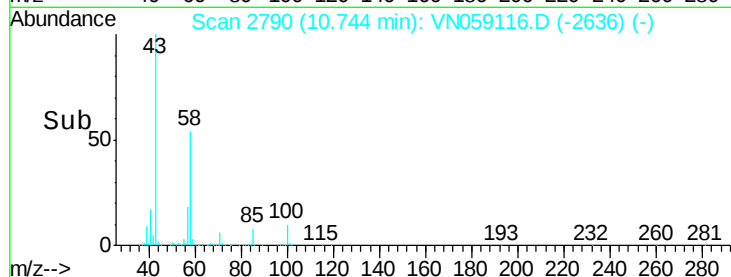
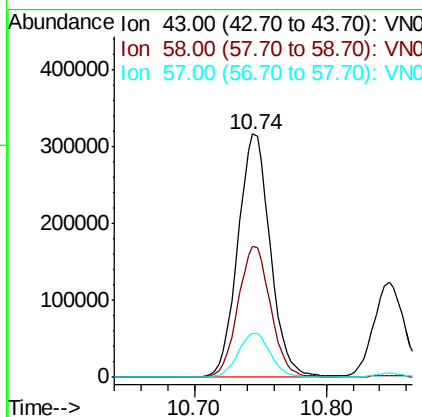
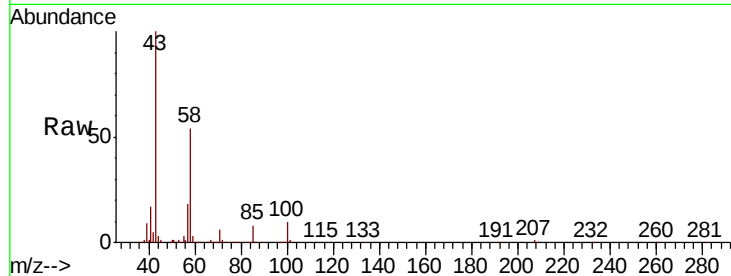
#59
2-Hexanone
Concen: 104.589 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.2	41.4	62.0
57	18.3	14.7	22.1

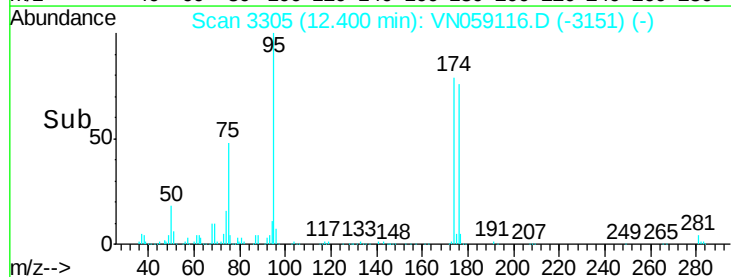
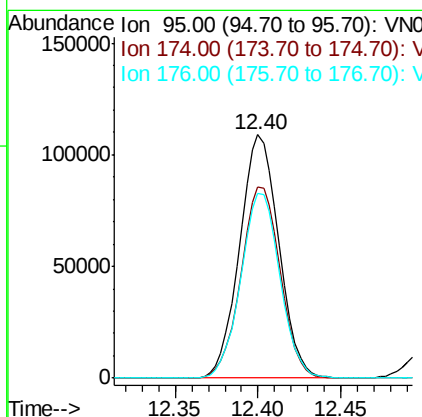
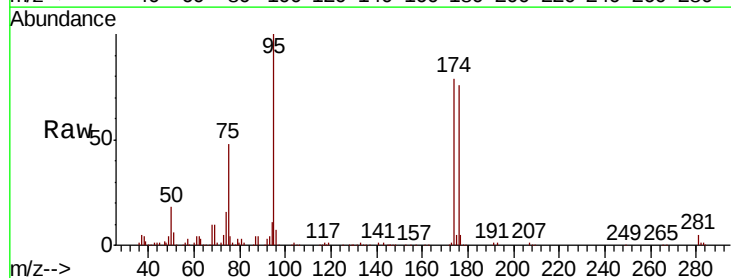
Manual Integrations
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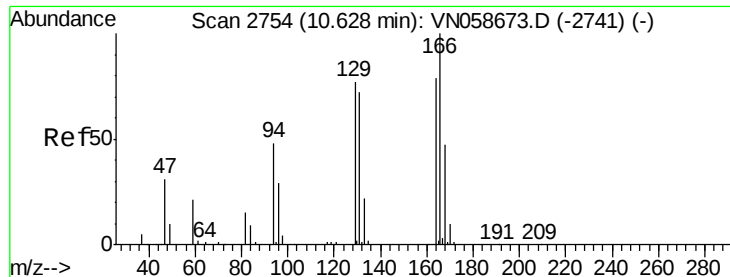
MMDadoda
11/8/2019 9:39:08 AM



#60
4-Bromofluorobenzene
Concen: 28.542 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.7	59.9	89.9
176	76.0	58.3	87.5





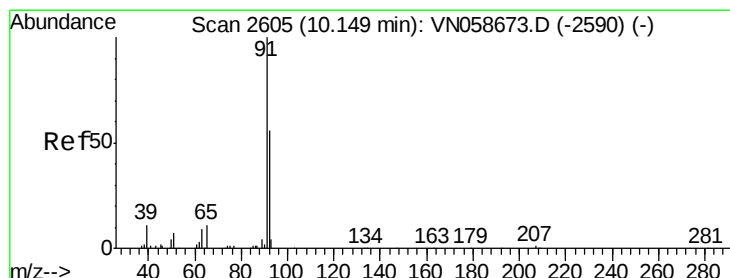
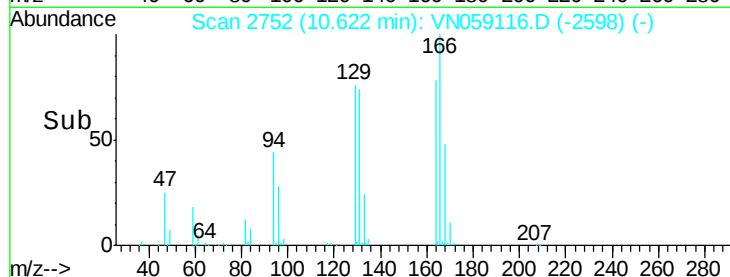
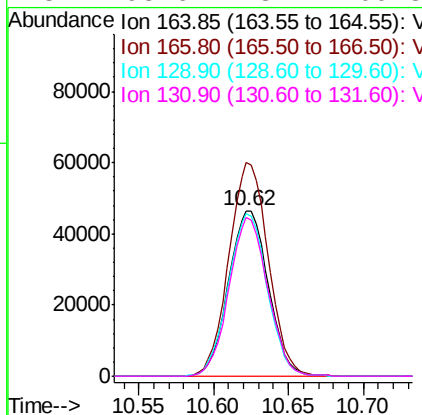
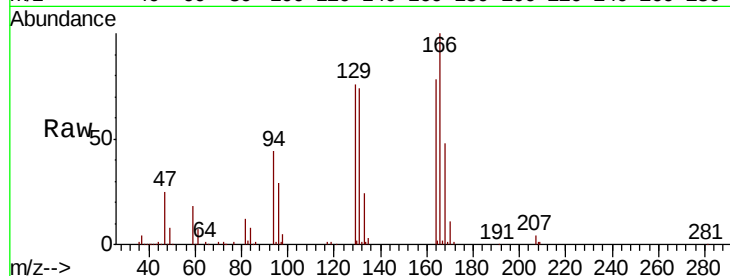
#61
Tetrachloroethene
Concen: 22.221 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.4	152.2
129	98.2	78.1	117.1
131	95.6	73.2	109.8

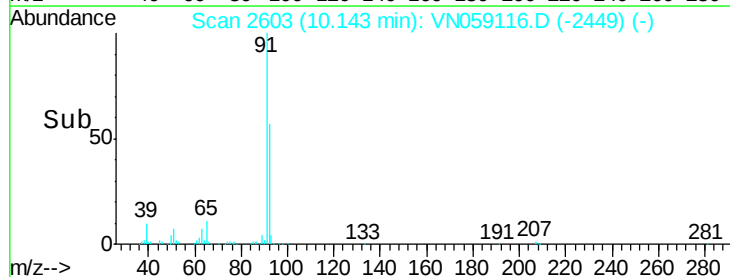
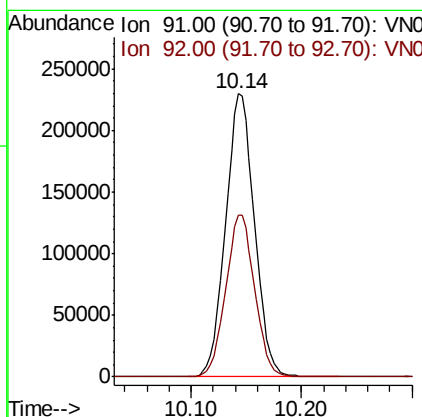
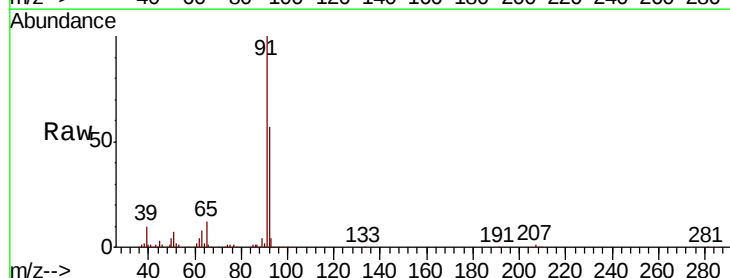
Manual Integrations
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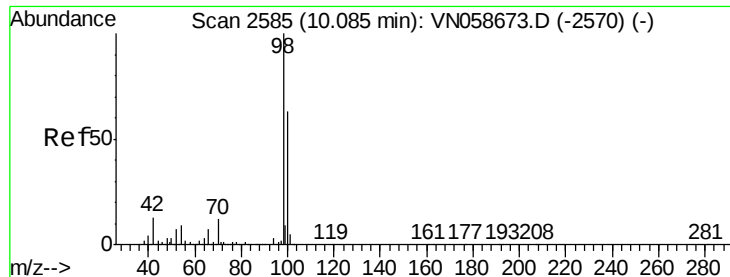
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#62
Toluene
Concen: 21.508 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.3	45.4	68.2





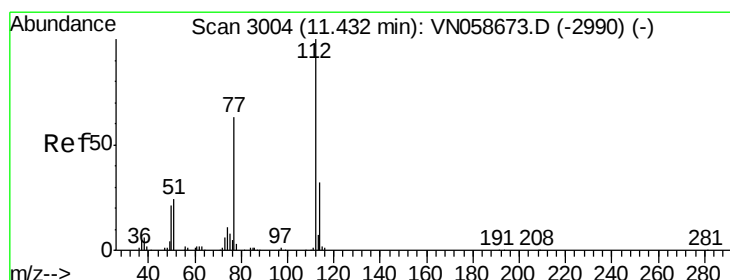
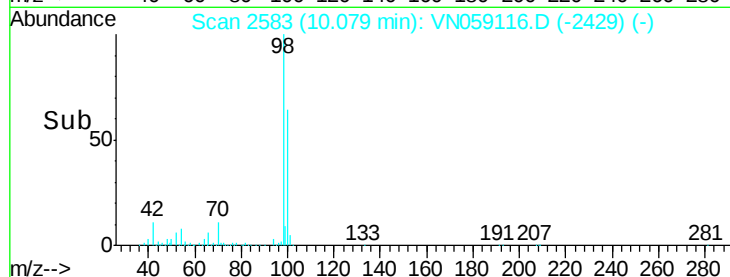
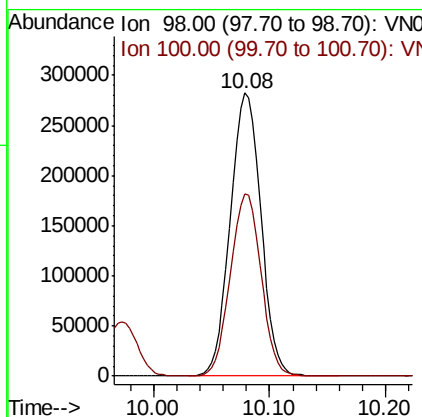
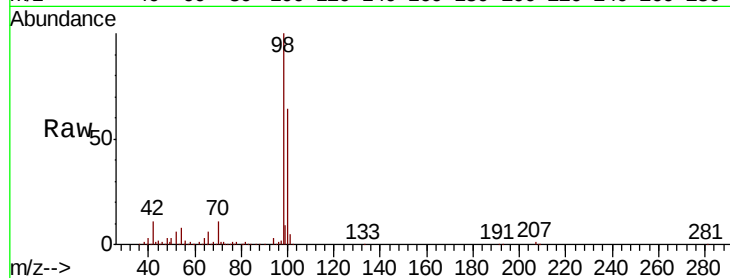
#63
Toluene-d8
Concen: 30.449 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion: 98 Resp: 516437
Ion Ratio Lower Upper
98 100
100 64.4 50.6 75.8

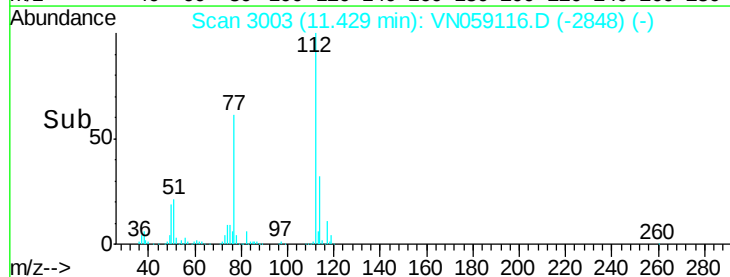
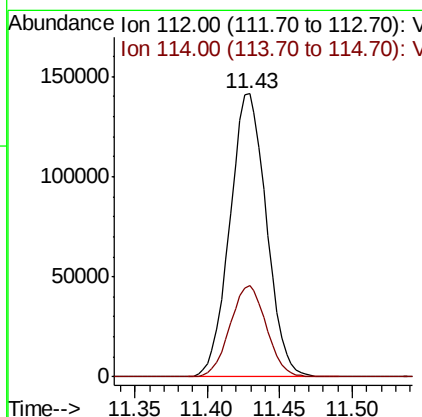
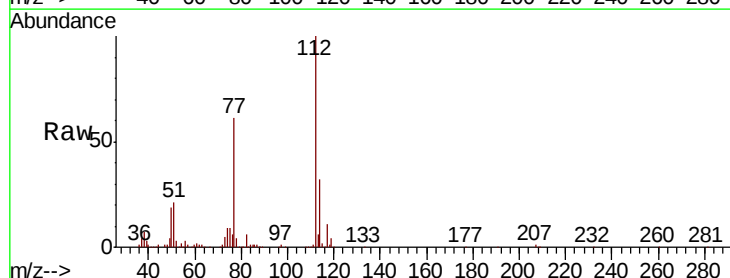
Manual Integrations
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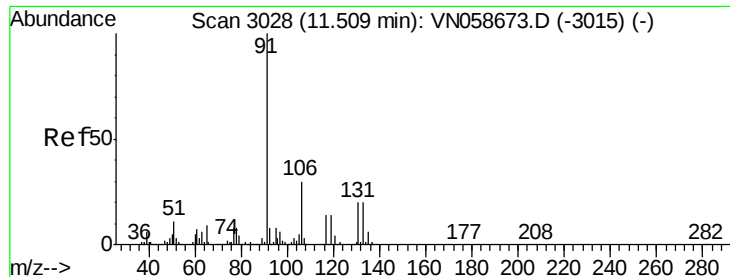
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#64
Chlorobenzene
Concen: 20.929 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion: 112 Resp: 247248
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 21.398 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

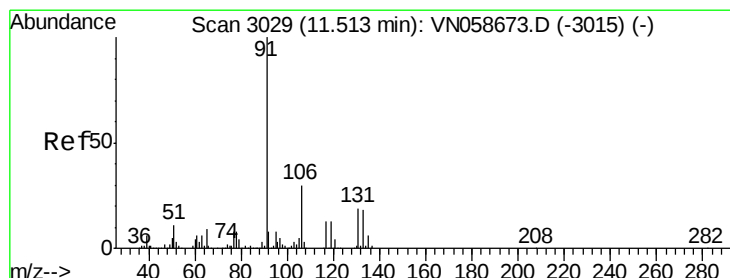
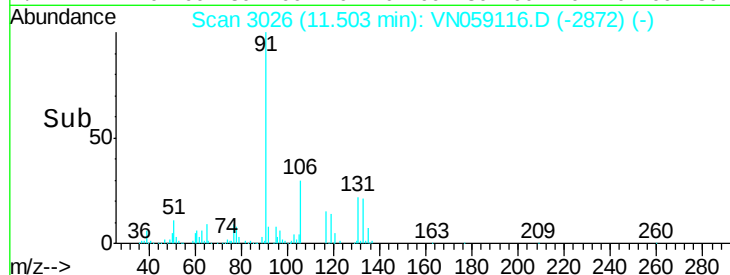
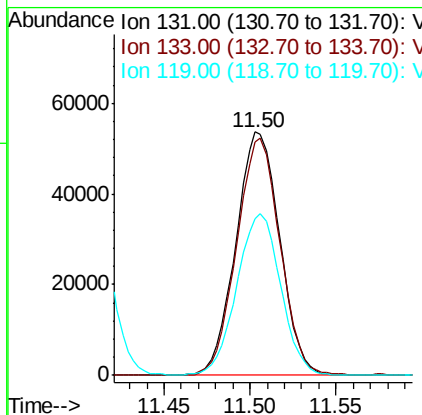
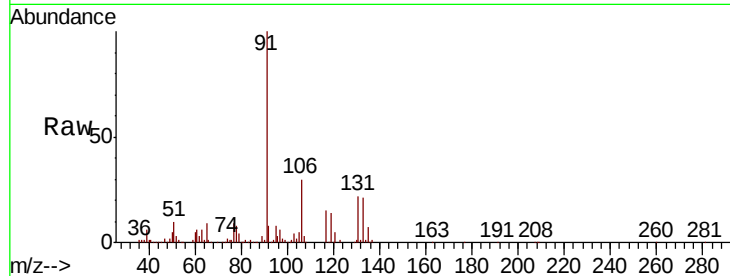
ClientSampleId :

VN1107WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.6	0.0	194.0
119	66.5	0.0	136.8

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#66

Ethyl Benzene

Concen: 20.561 ug/l

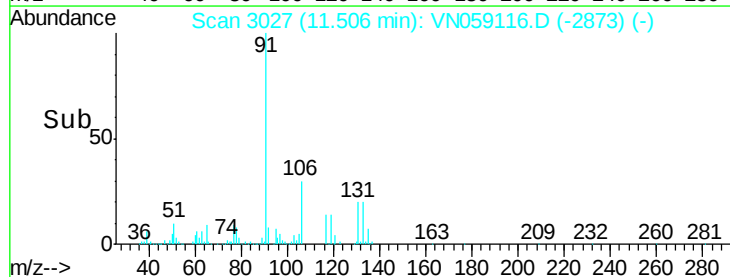
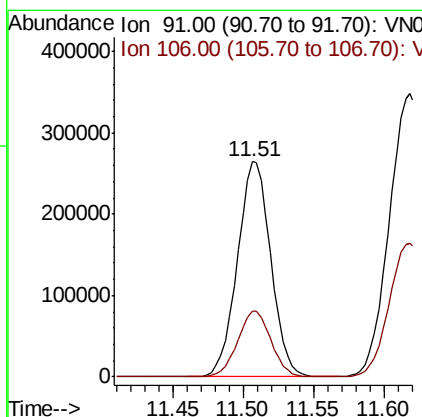
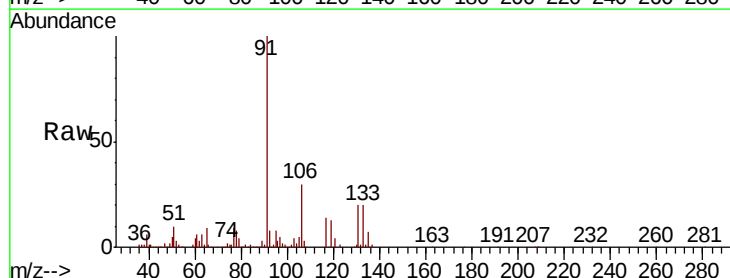
RT: 11.51 min Scan# 3027

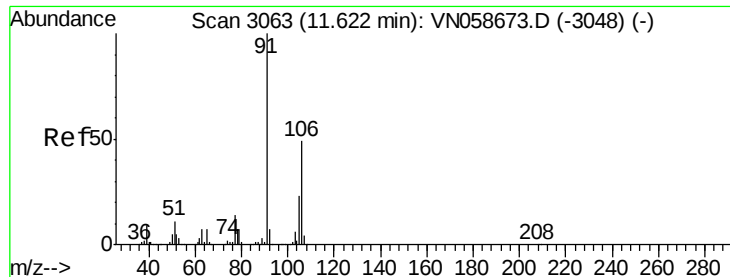
Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.2	36.4





#67

m/p-Xylenes

Concen: 40.479 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS01

Tot Ion:106 Resp: 323568

Ion Ratio Lower Upper

106 100

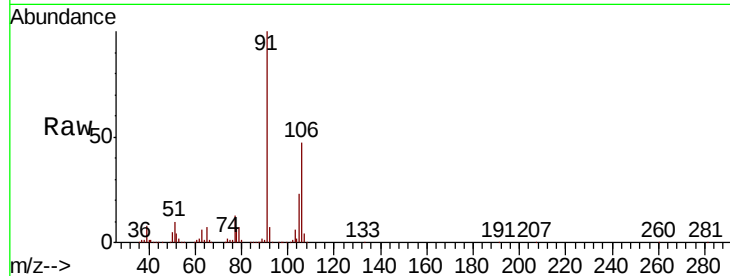
91 208.9 165.6 248.4

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

400000

300000

200000

100000

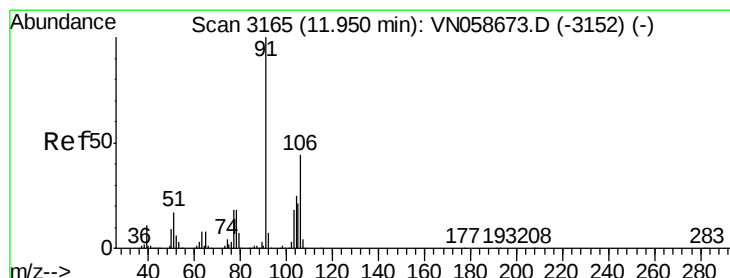
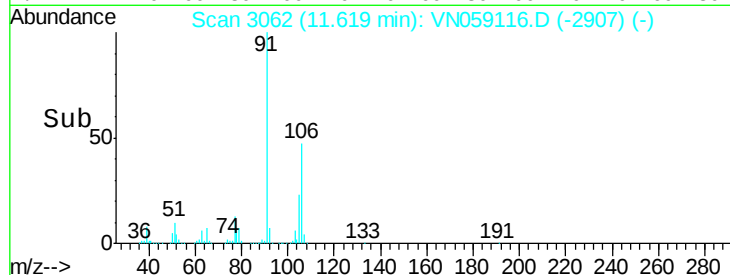
0

11.62

11.60

11.70

Time-->



#68

o-Xylene

Concen: 20.263 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059116.D

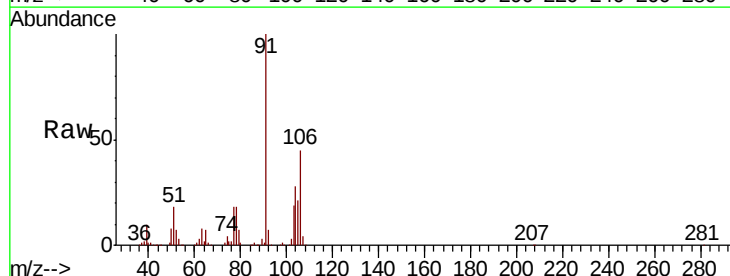
Acq: 7 Nov 2019 12:58

Tgt Ion:106 Resp: 157020

Ion Ratio Lower Upper

106 100

91 220.8 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

250000

200000

150000

100000

50000

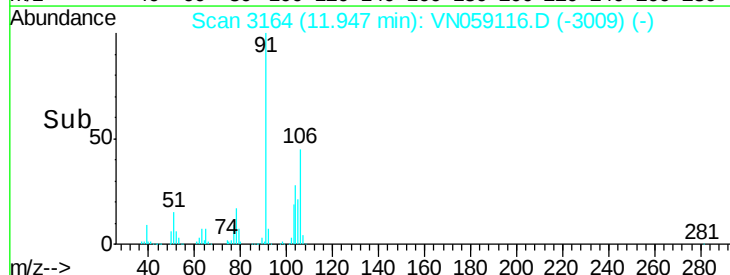
0

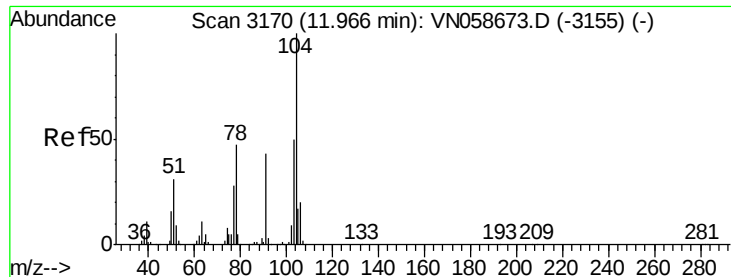
11.95

11.90

12.00

Time-->





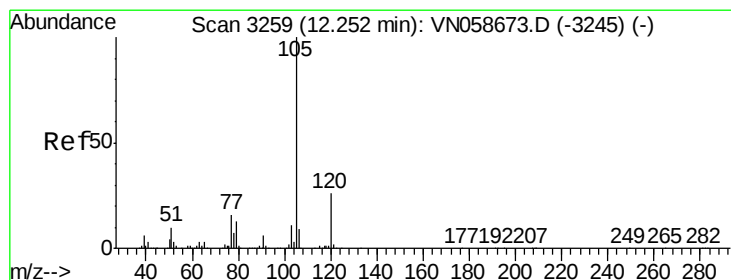
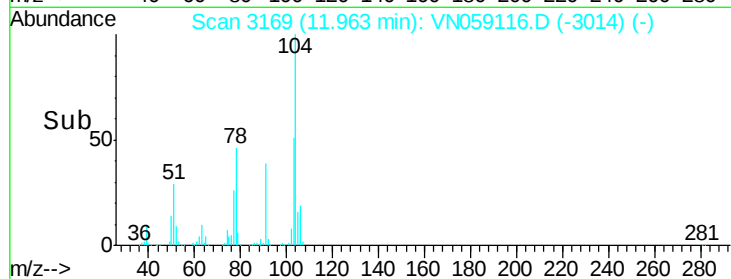
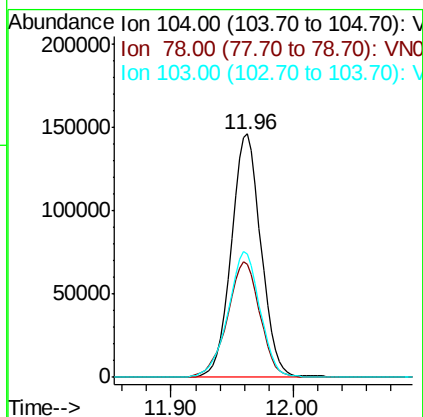
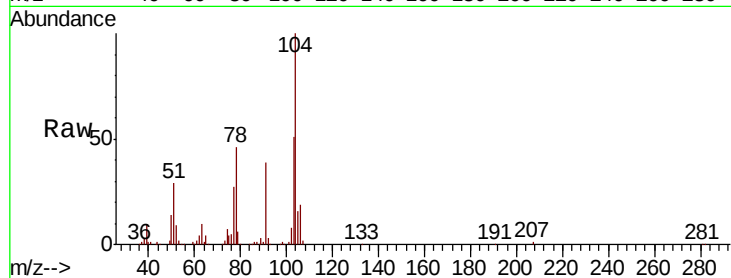
#69
Stvrene
Concen: 19.392 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.0	42.4	63.6
103	55.7	44.6	66.8

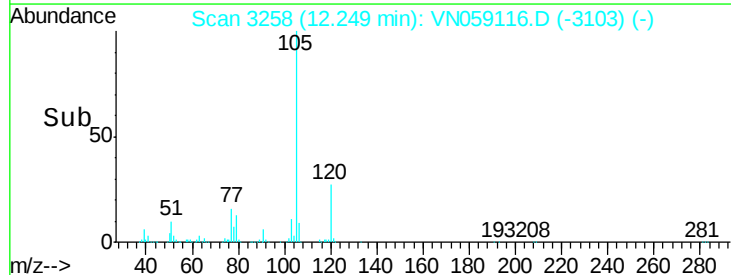
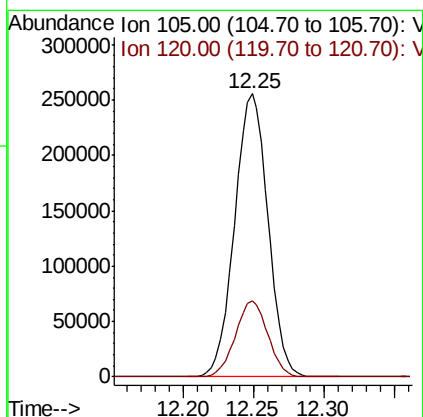
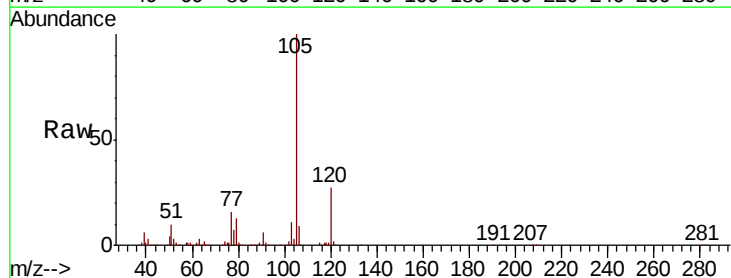
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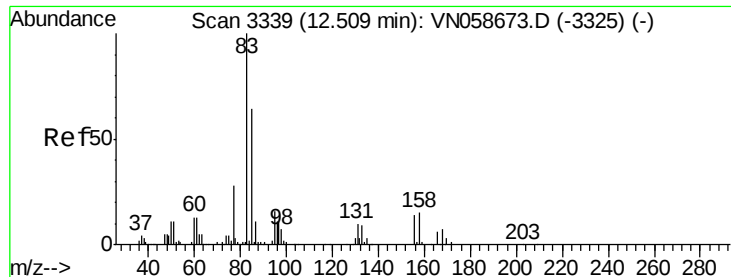
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#70
Isopropylbenzene
Concen: 20.225 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.4	34.2





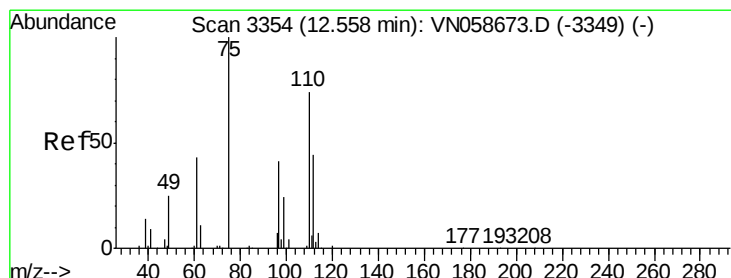
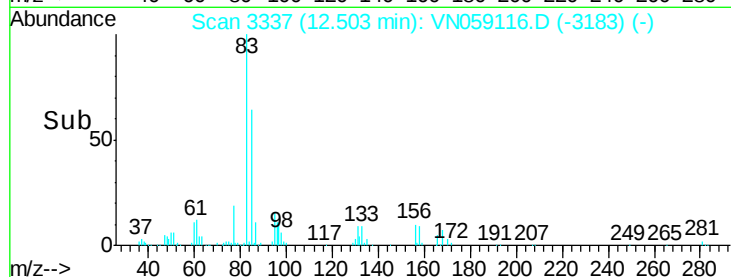
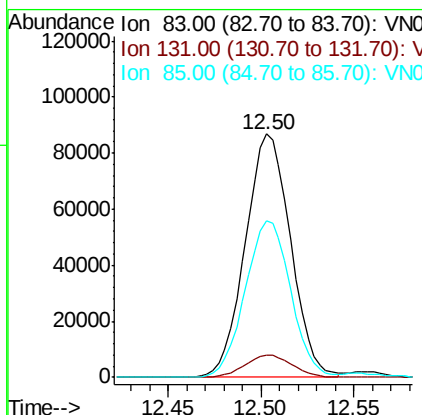
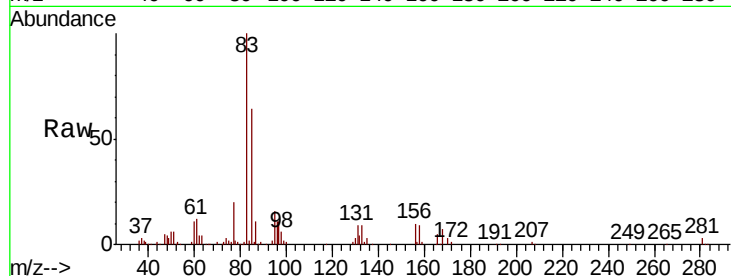
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.874 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.01 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	64.8	31.6	94.7

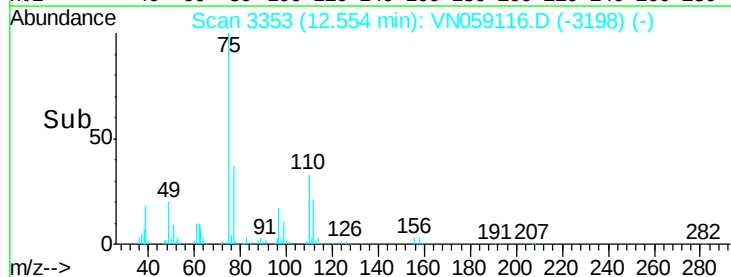
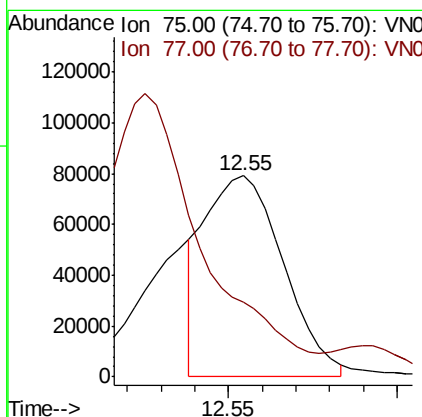
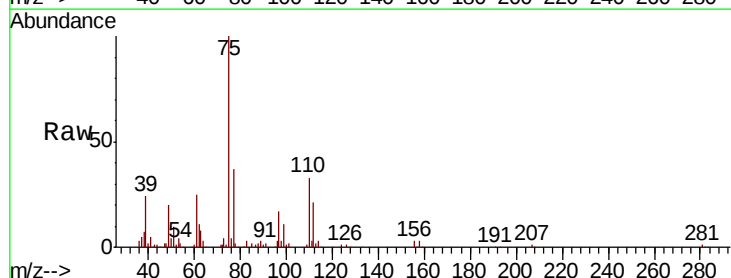
Manual Integrations
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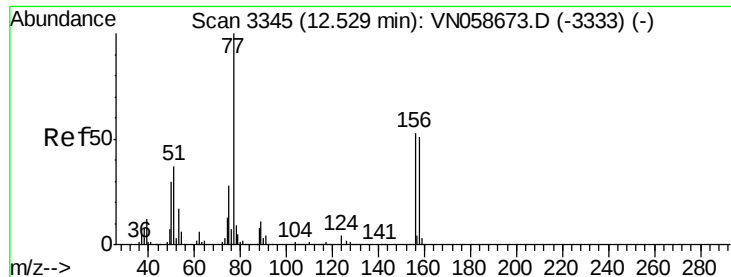
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 11/8/2019 9:39:08 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.016 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	183.5	0.0	359.4





#73

Bromobenzene

Concen: 20.240 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

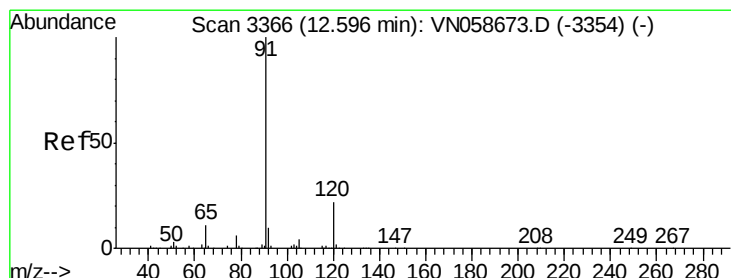
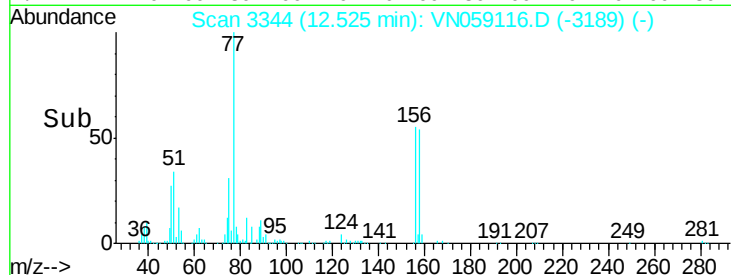
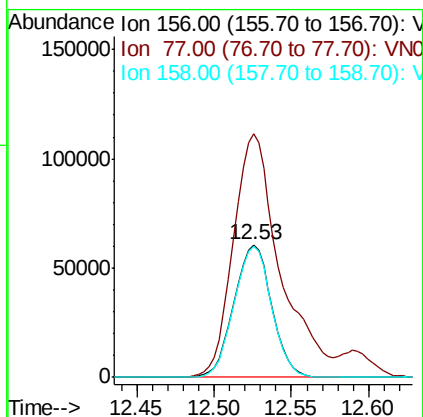
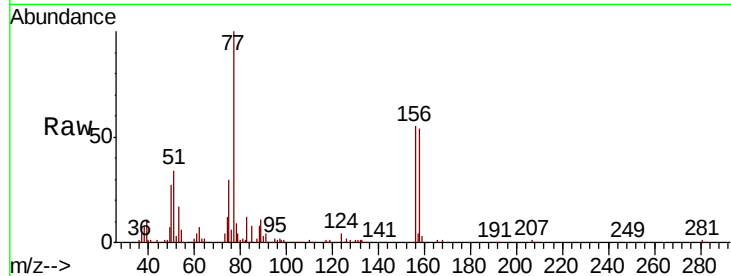
ClientSampleId :

VN1107WBS01

Tot Ion:	156	Resp:	102856
Ion Ratio	Lower	Upper	
156	100		
77	227.9	0.0	456.0
158	98.2	0.0	195.4

Manual Integrations
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#74

n-propylbenzene

Concen: 19.954 ug/l

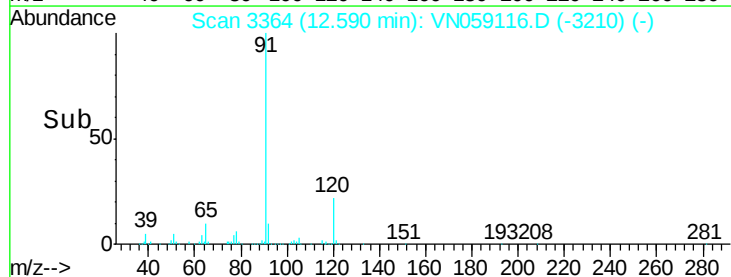
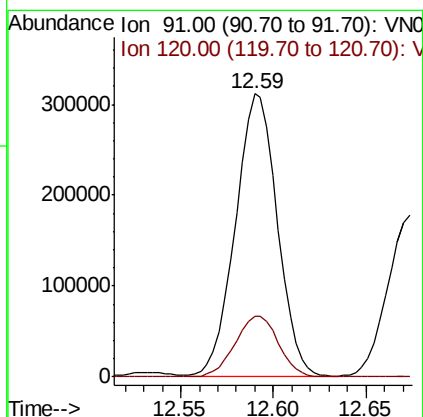
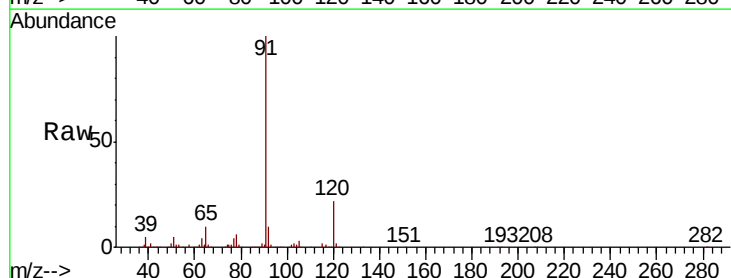
RT: 12.59 min Scan# 3364

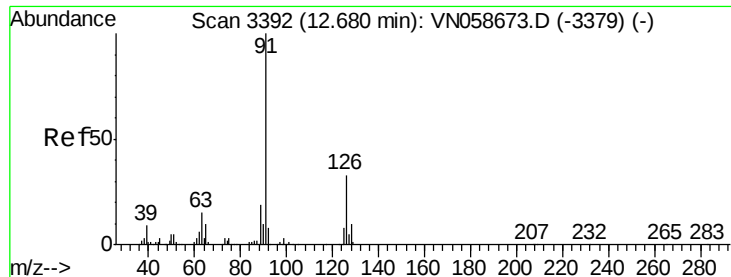
Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Tgt Ion:	91	Resp:	488650
Ion Ratio	Lower	Upper	
91	100		
120	22.2	0.0	43.6





#75

2-Chlorotoluene

Concen: 20.178 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS01

Tot Ion: 91 Resp: 297308

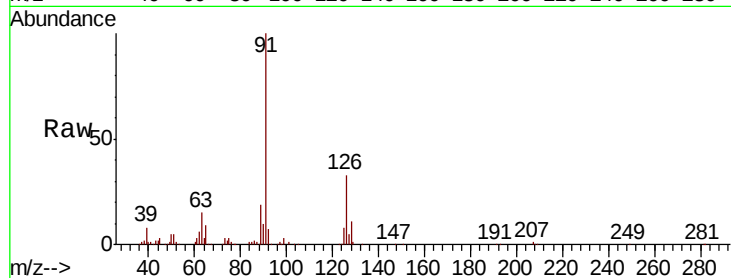
Ion Ratio Lower Upper

91 100

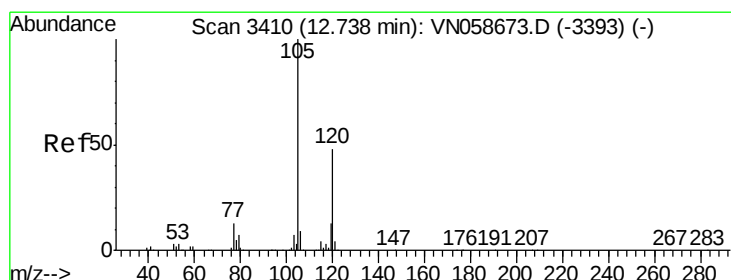
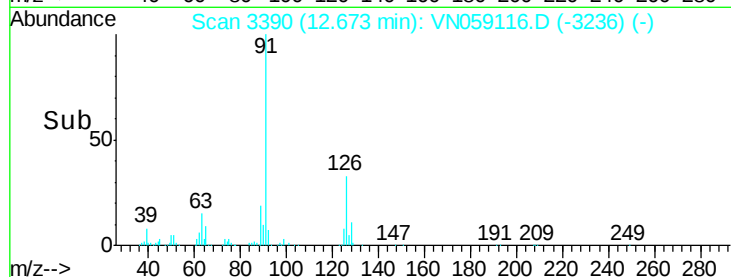
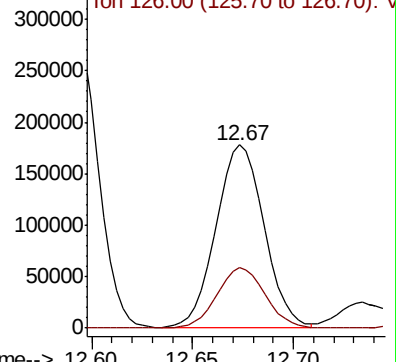
126 33.1 0.0 65.4

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Abundance Ion 91.00 (90.70 to 91.70): VN058673.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.800 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059116.D

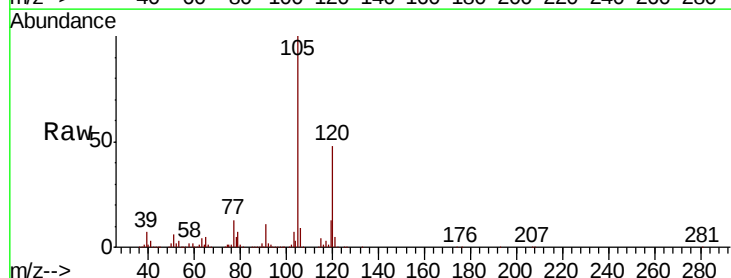
Acq: 7 Nov 2019 12:58

Tgt Ion: 105 Resp: 354803

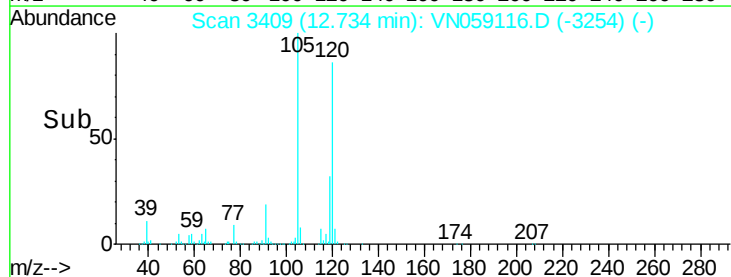
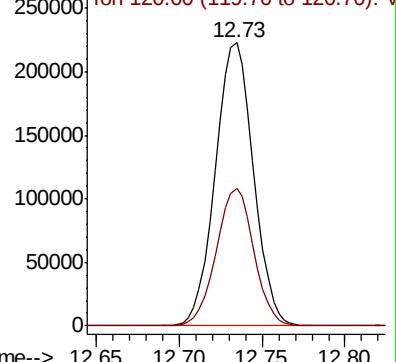
Ion Ratio Lower Upper

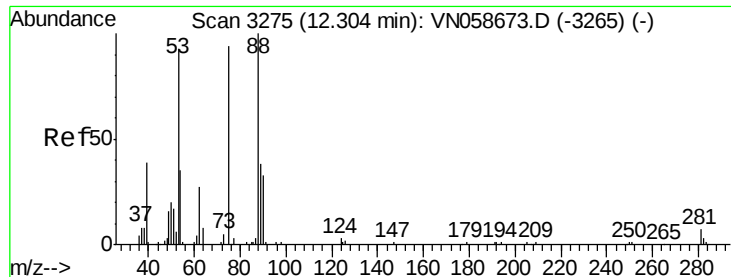
105 100

120 48.1 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN058673.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 20.182 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

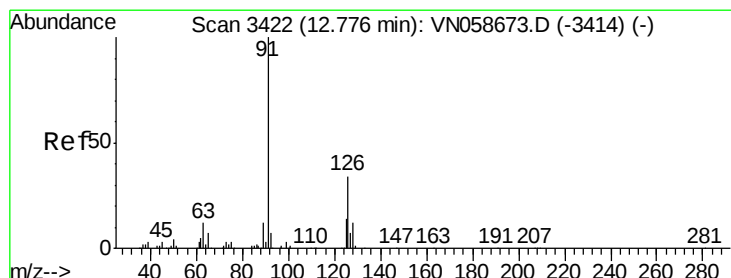
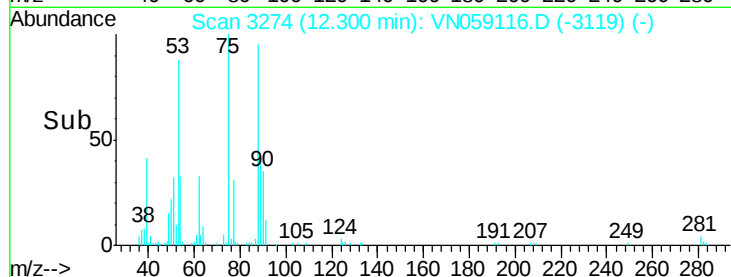
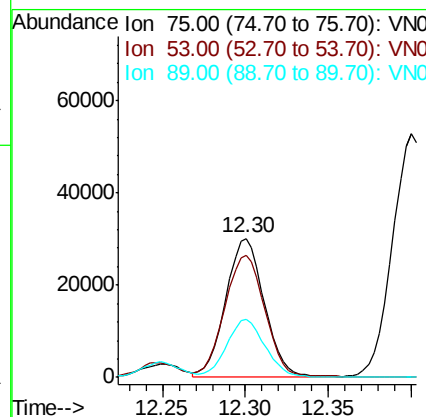
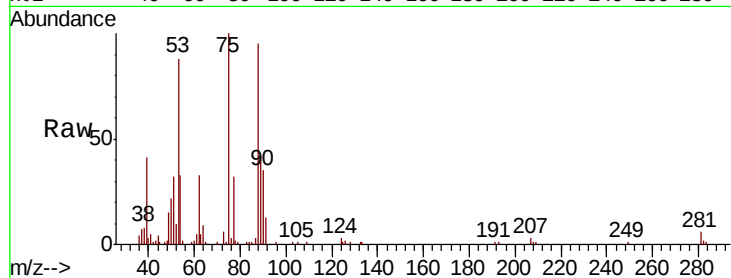
ClientSampleId :

VN1107WBS01

Tot Ion:	75	Resp:	49068
Ion	Ratio	Lower	Upper
75	100		
53	87.8	50.0	150.0
89	42.5	20.7	62.1

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#78

4-Chlorotoluene

Concen: 19.174 ug/l

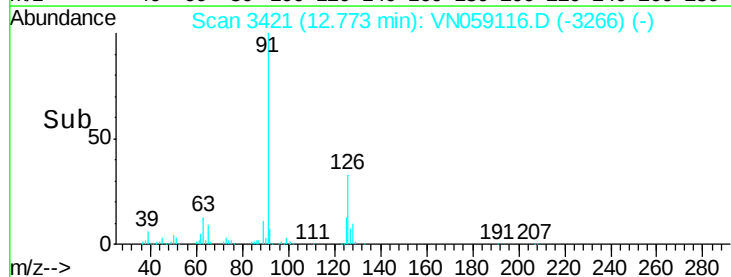
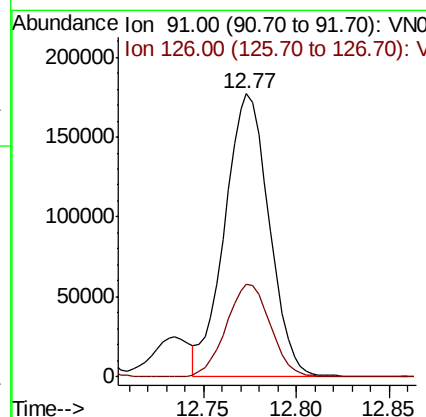
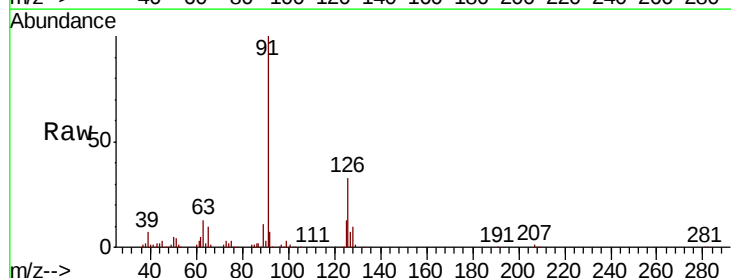
RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Tgt Ion:	91	Resp:	291181
Ion	Ratio	Lower	Upper
91	100		
126	33.0	0.0	63.4





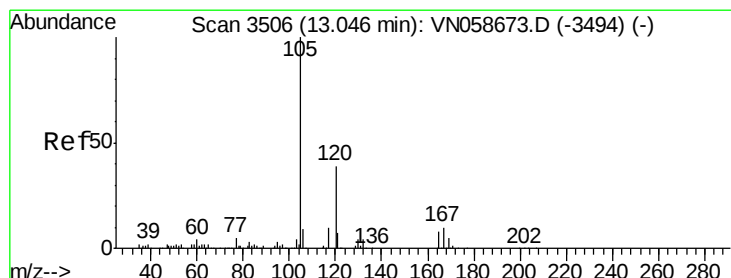
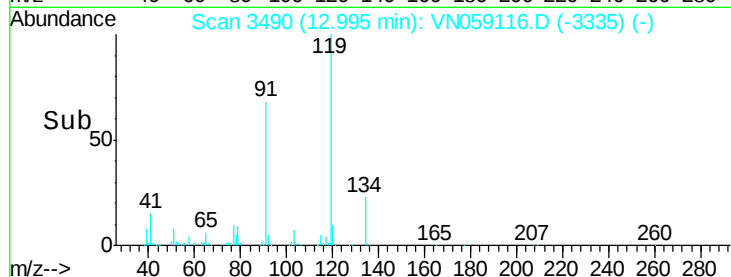
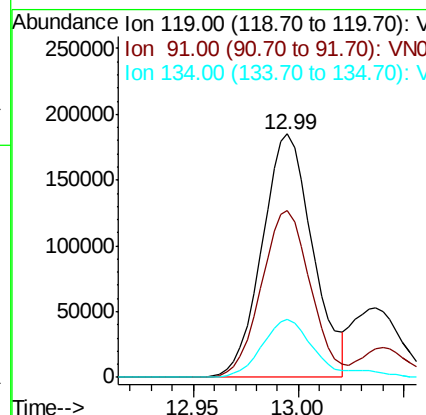
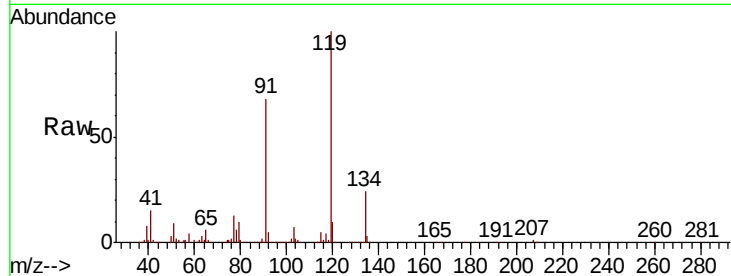
#79
tert-butylbenzene
Concen: 20.198 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	309217		
91	66.9	0.0	136.4	
134	23.5	0.0	47.2	

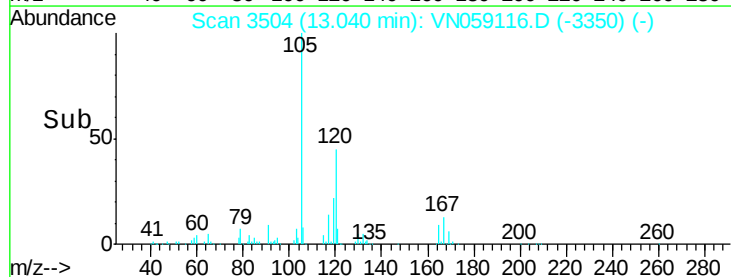
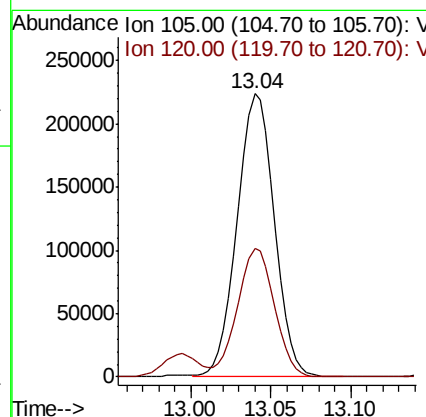
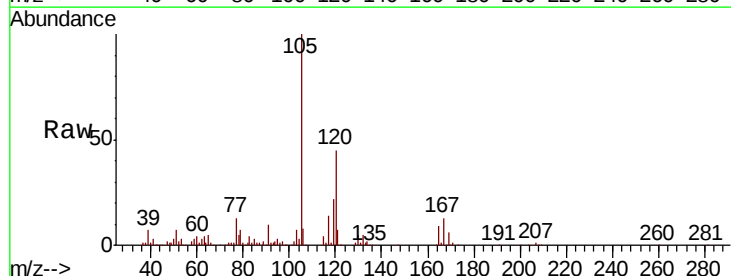
Manual Integrations
APPROVED

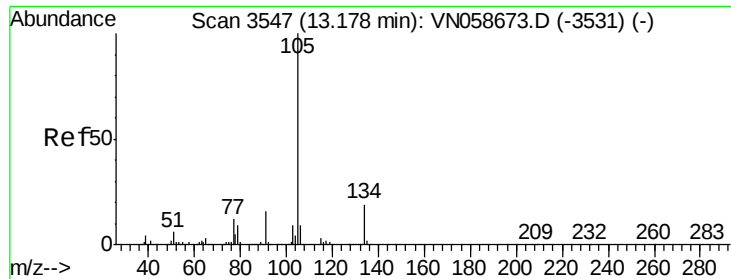
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#80
1,2,4-Trimethylbenzene
Concen: 19.878 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	353943		
120	45.3	0.0	89.2	





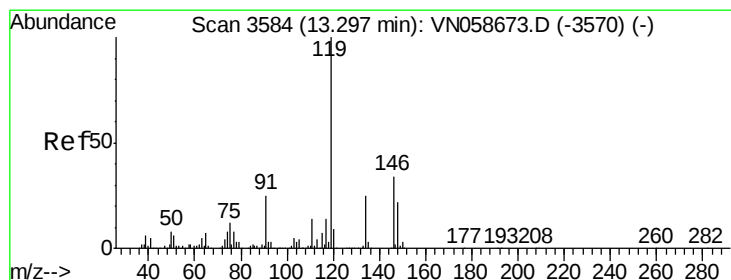
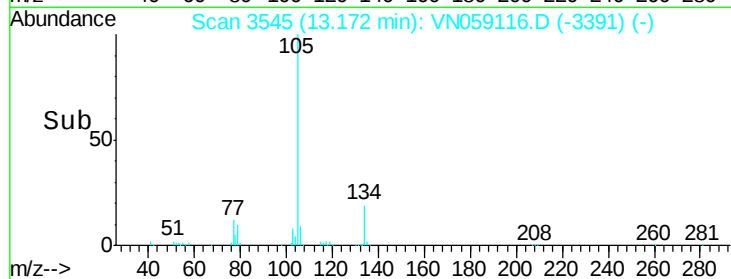
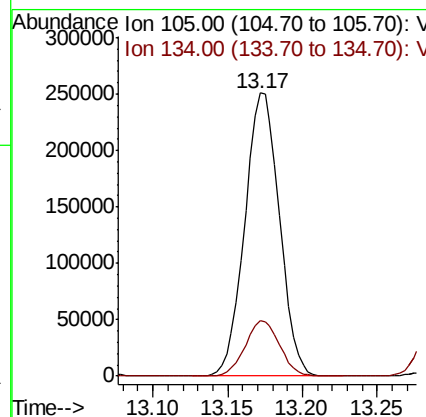
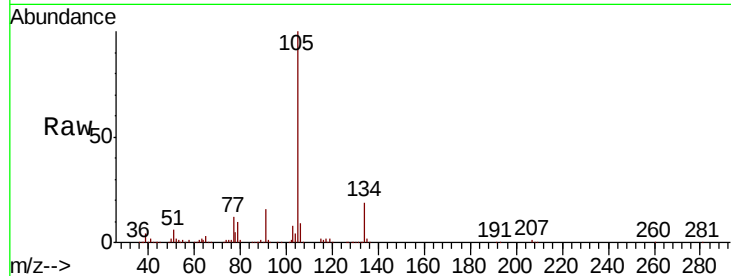
#81
sec-Butylbenzene
Concen: 19.598 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	403787		
134	19.5	0.0	38.0	

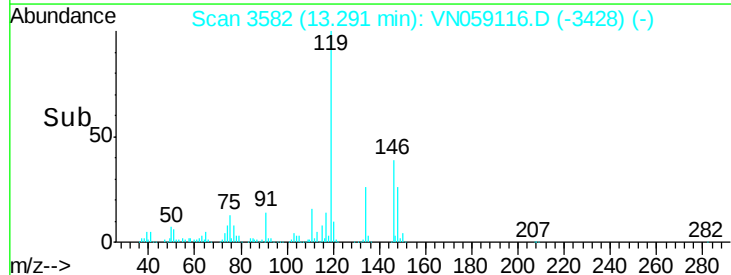
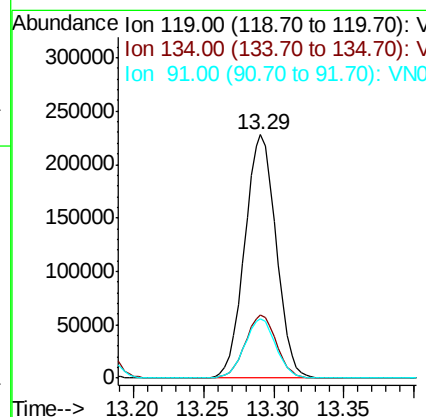
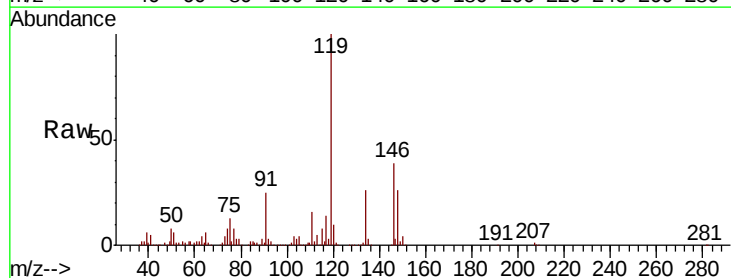
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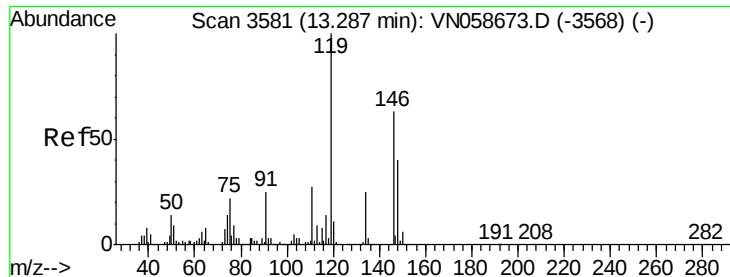
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#82
p-Isopropyltoluene
Concen: 19.262 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	356365		
134	25.8	0.0	50.8	
91	24.2	0.0	49.4	





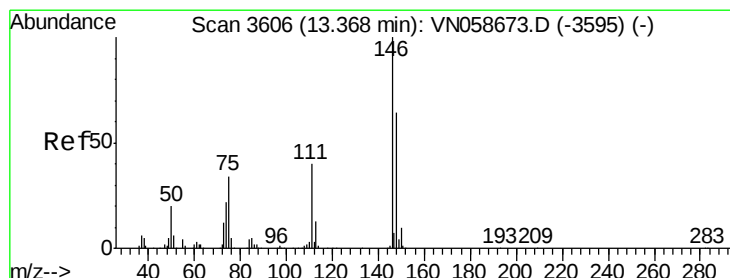
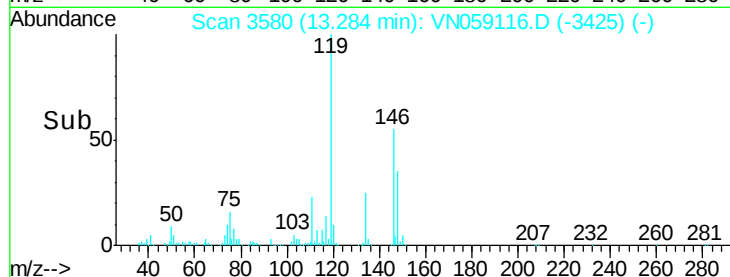
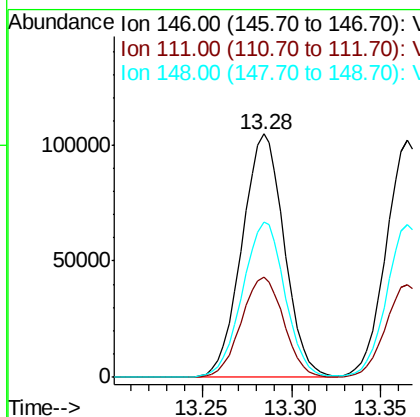
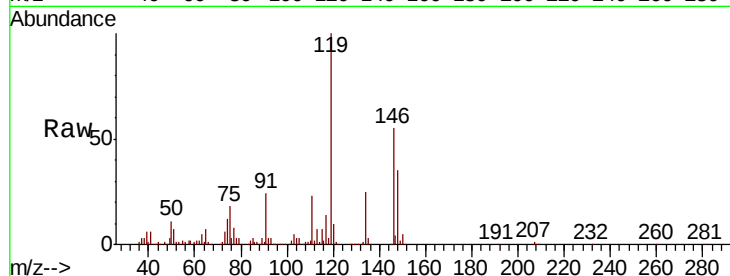
#83
 1,3-Dichlorobenzene
 Concen: 18.910 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.0	63.0
148	64.1	31.7	95.1

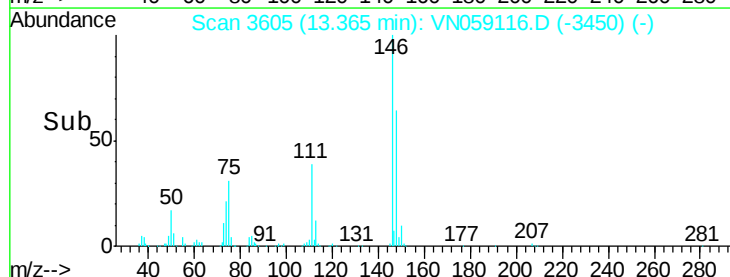
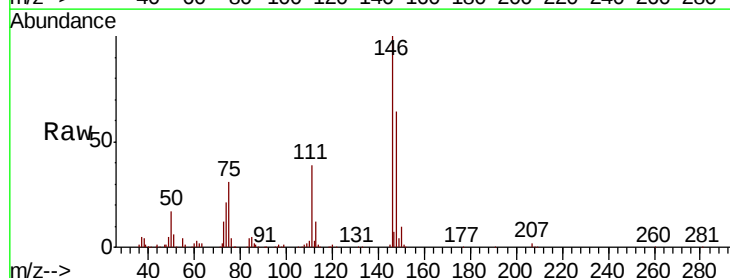
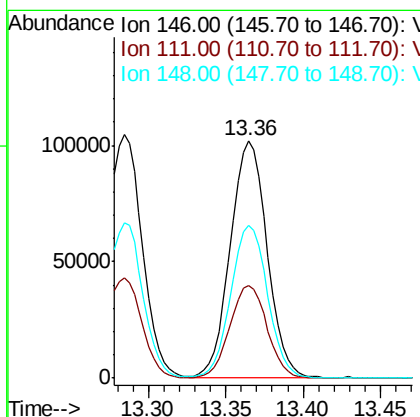
Manual Integrations
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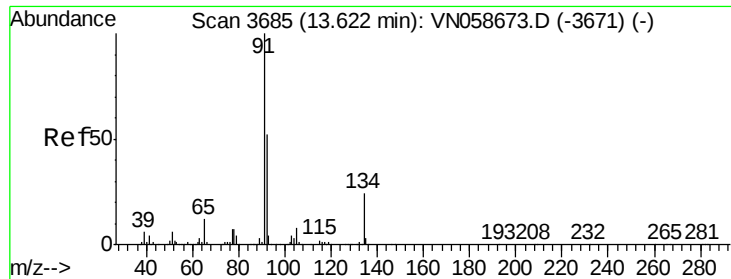
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#84
 1,4-Dichlorobenzene
 Concen: 18.400 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059116.D
 Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.4
148	63.6	31.6	94.8





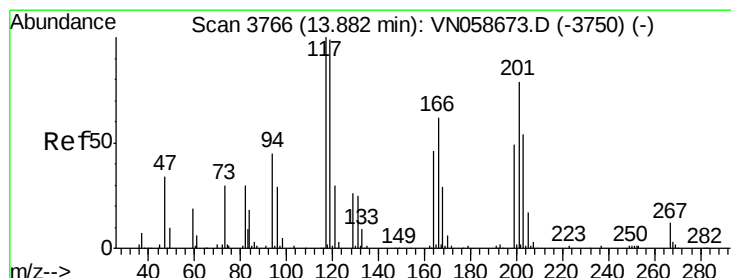
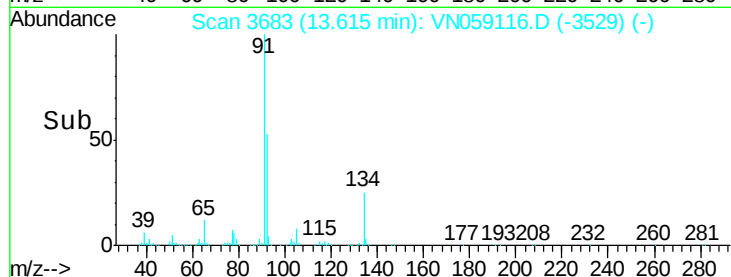
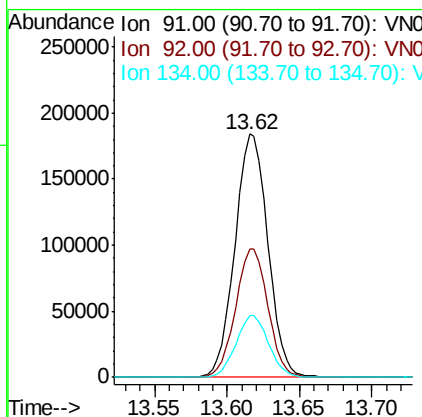
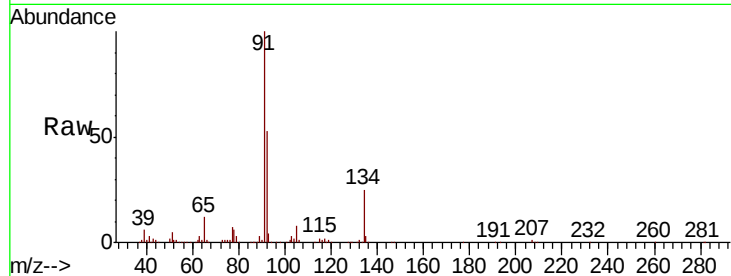
#85
n-Butylbenzene
Concen: 17.168 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	290793		
92	51.8	0.0	102.8	
134	25.1	0.0	48.6	

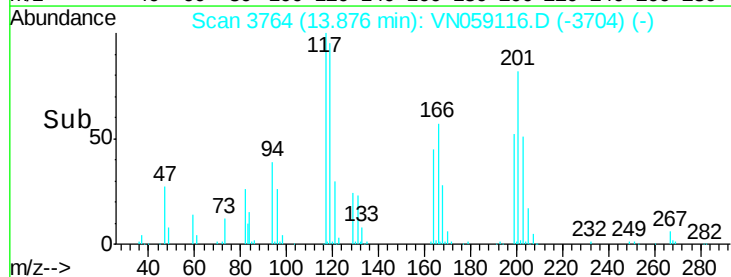
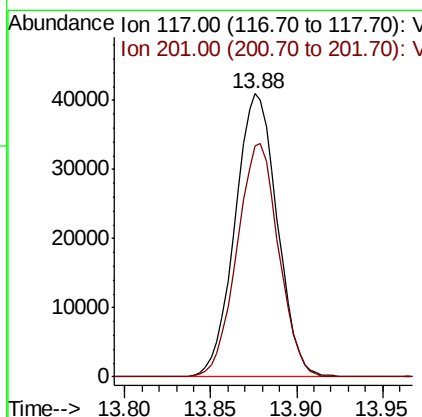
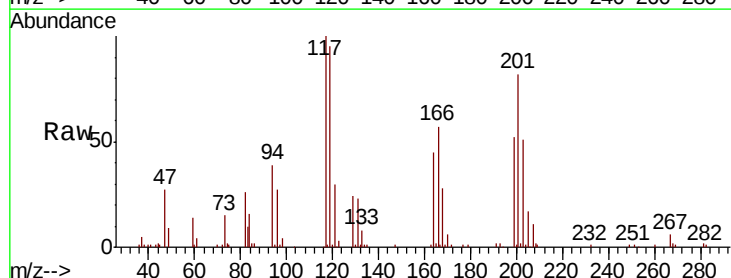
Manual Integrations
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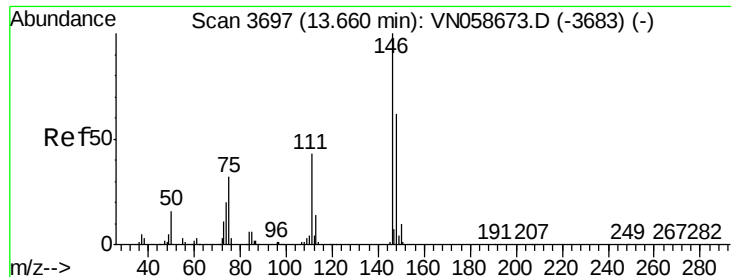
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#86
Hexachloroethane
Concen: 20.808 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.01 min
Lab File: VN059116.D
Acq: 7 Nov 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	70060		
201	81.3	38.7	116.1	





#87

1,2-Dichlorobenzene

Concen: 19.258 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

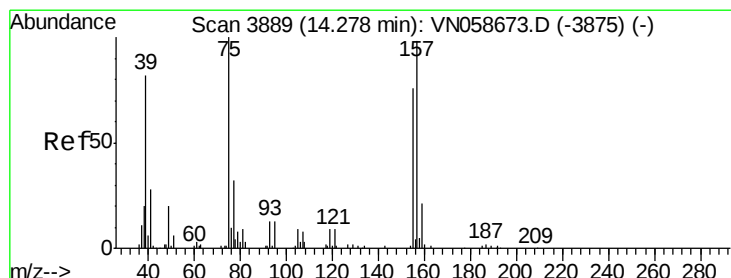
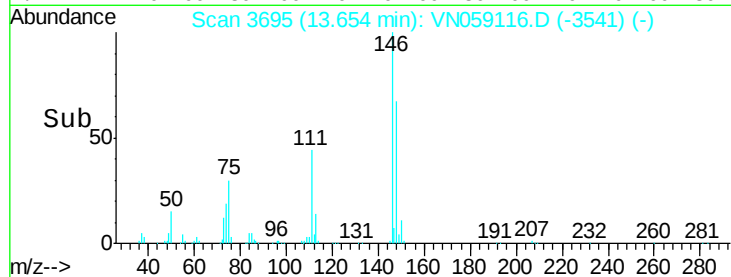
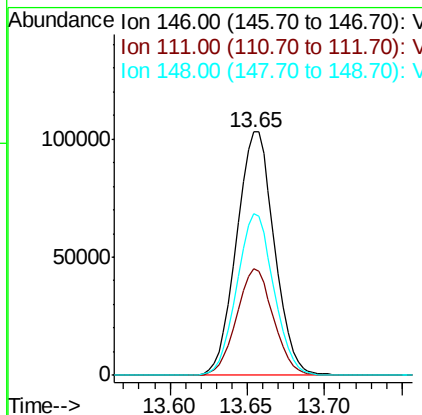
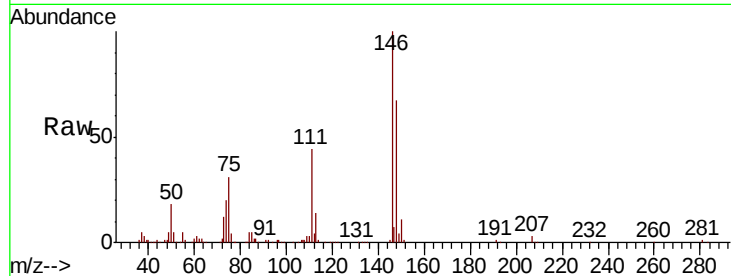
ClientSampleId :

VN1107WBS01

Tot Ion:	146	Resp:	174824
Ion Ratio	Lower	Upper	
146	100		
111	42.6	21.8	65.4
148	65.0	32.1	96.5

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.359 ug/l

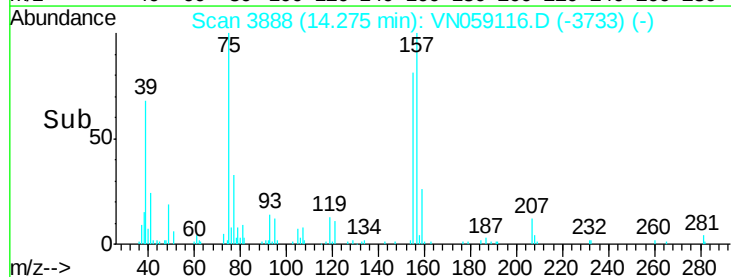
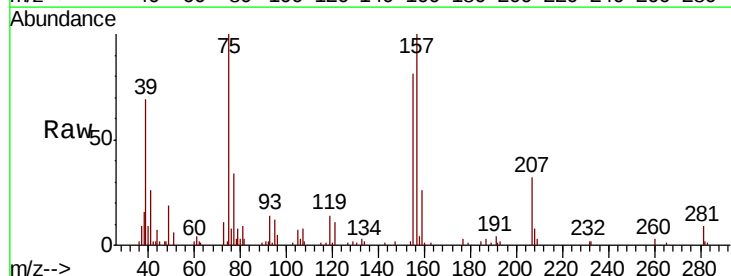
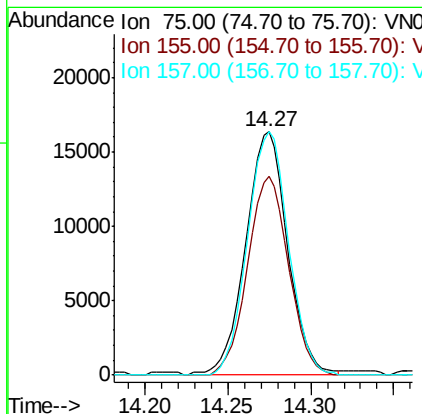
RT: 14.27 min Scan# 3888

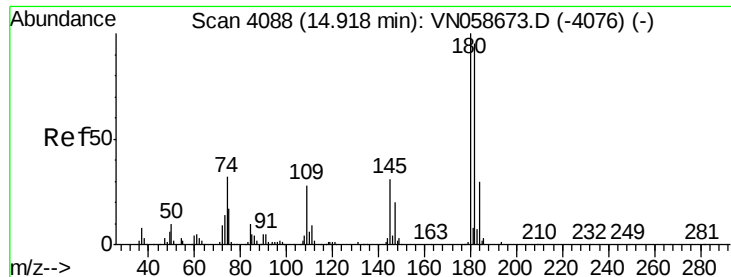
Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Tgt Ion:	75	Resp:	28781
Ion Ratio	Lower	Upper	
75	100		
155	79.7	58.3	87.5
157	97.6	75.0	112.6





#89

1,2,4-Trichlorobenzene

Concen: 15.088 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

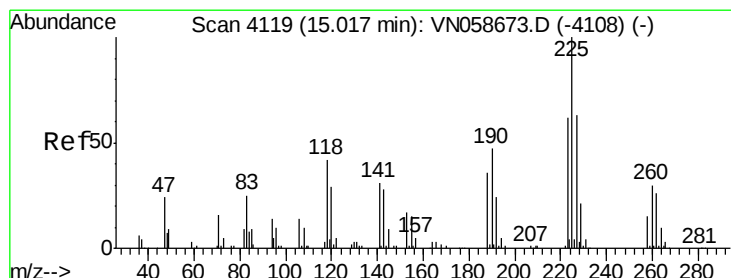
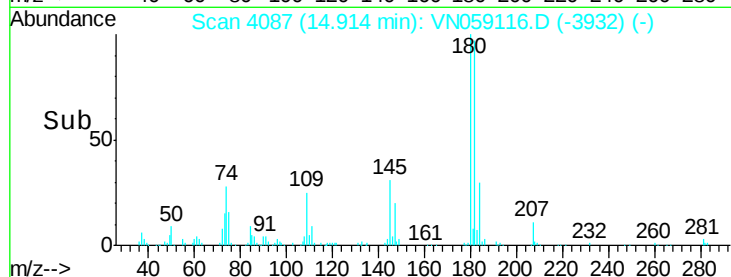
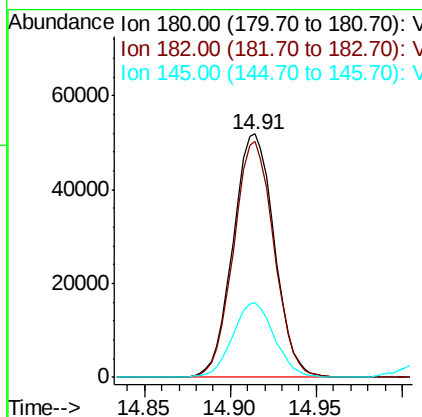
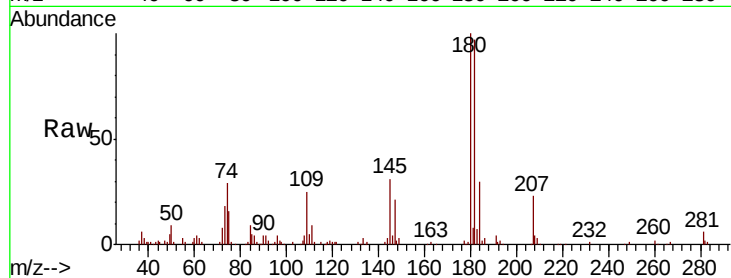
ClientSampleId :

VN1107WBS01

Tot Ion:	180	Resp:	86486
Ion Ratio	Lower	Upper	
180	100		
182	94.7	75.3	112.9
145	31.1	24.8	37.2

Manual Integrations
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#90

Hexachlorobutadiene

Concen: 19.907 ug/l

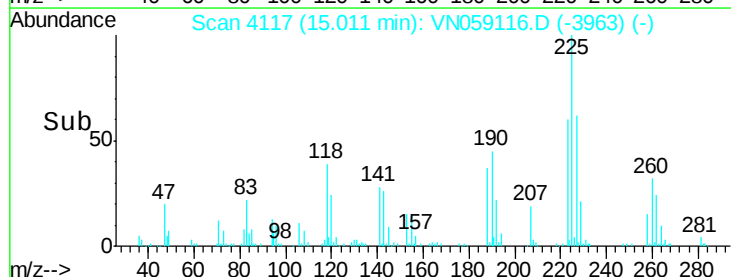
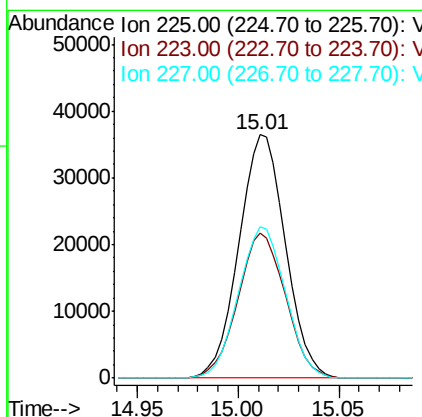
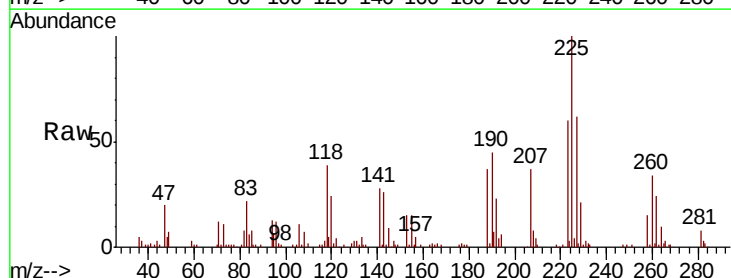
RT: 15.01 min Scan# 4117

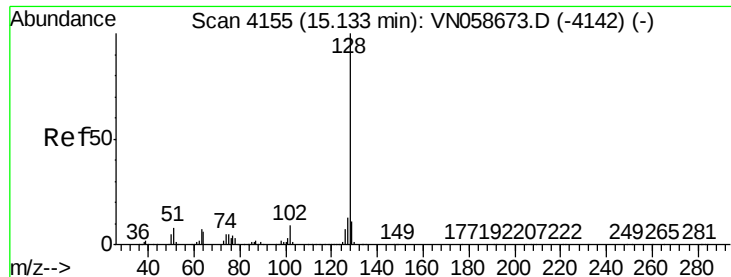
Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Tgt Ion:	225	Resp:	58924
Ion Ratio	Lower	Upper	
225	100		
223	60.9	0.0	126.2
227	62.7	0.0	127.0





#91

Naphthalene

Concen: 13.676 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Instrument :

MSVOA_N

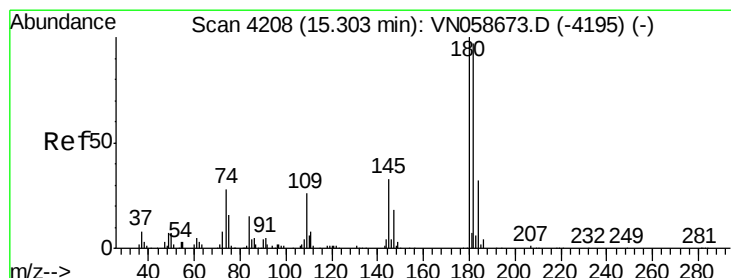
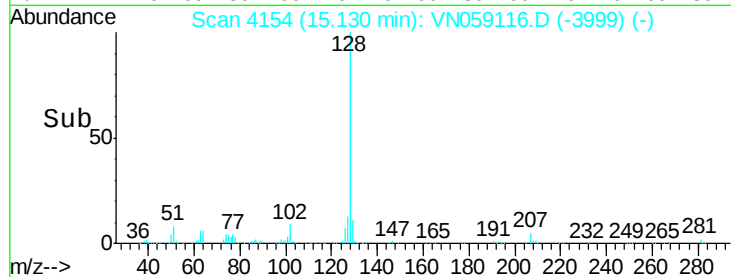
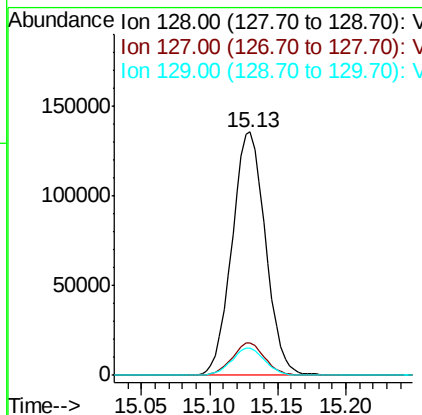
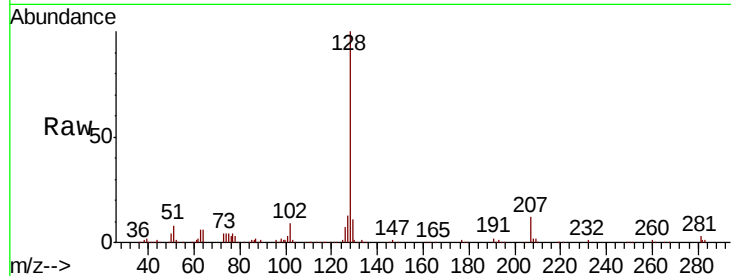
ClientSampleId :

VN1107WBS01

Tot Ion:	128	Resp:	231446
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:08 AM



#92

1,2,3-Trichlorobenzene

Concen: 16.258 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.01 min

Lab File: VN059116.D

Acq: 7 Nov 2019 12:58

Tgt Ion:	180	Resp:	90715
Ion Ratio	Lower	Upper	
180	100		
182	94.6	0.0	193.4
145	31.9	0.0	65.8

