

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058821.D
 Acq On : 17 Oct 2019 12:56
 Operator : JC/SP
 Sample : VN1017WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBSD01

Manual Integrations
 APPROVED

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 10/18/2019 3:26:17 PM

Quant Time: Oct 18 02:19:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	370487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	600699	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	549553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	256108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	273959	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
35) Dibromofluoromethane	7.57	113	196721	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
50) Toluene-d8	10.09	98	738893	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.40	95	271824	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	97155	21.056	ug/l	100
3) Chloromethane	2.04	50	109039	19.873	ug/l	98
4) Vinyl Chloride	2.17	62	114187	20.895	ug/l	99
5) Bromomethane	2.55	94	72195	21.717	ug/l	96
6) Chloroethane	2.69	64	72953	21.643	ug/l	97
7) Trichlorofluoromethane	3.00	101	142869	21.845	ug/l	100
8) Diethyl Ether	3.39	74	52808	21.853	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	81488	21.852	ug/l	97
10) Methyl Iodide	3.93	142	99421	19.537	ug/l	99
11) Tert butyl alcohol	4.76	59	93242	111.002	ug/l	100
12) 1,1-Dichloroethene	3.72	96	73737	20.724	ug/l	99
13) Acrolein	3.58	56	45043	66.674	ug/l	99
14) Allyl chloride	4.30	41	152535	21.244	ug/l	100
15) Acrylonitrile	4.96	53	240788	113.667	ug/l	99
16) Acetone	3.79	43	252823	117.741	ug/l	100
17) Carbon Disulfide	4.03	76	218323	19.196	ug/l	99
18) Methyl Acetate	4.30	43	127938	23.489	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	273656	21.539	ug/l	94
20) Methylene Chloride	4.53	84	90733	20.218	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	81563	20.494	ug/l	99
22) Diisopropyl ether	5.93	45	307439	22.022	ug/l	96
23) Vinyl Acetate	5.87	43	1295183	114.974	ug/l	100
24) 1,1-Dichloroethane	5.82	63	171176	21.528	ug/l	100
25) 2-Butanone	6.82	43	347746	112.043	ug/l	99
26) 2,2-Dichloropropane	6.81	77	147122	20.270	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	94555	20.374	ug/l	98
28) Bromochloromethane	7.17	49	57760	20.881	ug/l	98
29) Tetrahydrofuran	7.19	42	223155	111.261	ug/l	99
30) Chloroform	7.36	83	167976	21.027	ug/l	96
31) Cyclohexane	7.64	56	152504	20.046	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	147283	21.618	ug/l	99
36) 1,1-Dichloropropene	7.78	75	123458	20.327	ug/l	99
37) Ethyl Acetate	6.91	43	139848	22.768	ug/l	98
38) Carbon Tetrachloride	7.76	117	127507	21.541	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	139113	19.739	ug/l	97
40) Benzene	8.03	78	370334	21.231	ug/l	100
41) Methacrylonitrile	7.15	41	59141	20.569	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	144879	21.619	ug/l	100
43) Isopropyl Acetate	8.15	43	226941	21.688	ug/l	98
44) Trichloroethene	8.82	130	89700	20.708	ug/l	98
45) 1,2-Dichloropropane	9.11	63	102650	21.983	ug/l	98
46) Dibromomethane	9.20	93	63448	21.431	ug/l	100
47) Bromodichloromethane	9.39	83	132001	21.896	ug/l	99
48) Methyl methacrylate	9.19	41	102073	21.520	ug/l	100
49) 1,4-Dioxane	9.19	88	32396	441.493	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	706010	120.140	ug/l	98
52) Toluene	10.15	92	222646	20.869	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	145814	21.088	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	158125	21.539	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	90783	20.791	ug/l	98
56) Ethyl methacrylate	10.43	69	133932	20.995	ug/l	98
57) 1,3-Dichloropropane	10.71	76	159289	21.407	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	315584	102.653	ug/l	100
59) 2-Hexanone	10.75	43	520923	114.705	ug/l	98
60) Dibromochloromethane	10.90	129	94787	21.043	ug/l	97
61) 1,2-Dibromoethane	11.00	107	92843	21.223	ug/l	99
64) Tetrachloroethene	10.63	164	80800	21.009	ug/l	96
65) Chlorobenzene	11.43	112	234153	20.981	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	88376	21.415	ug/l	98
67) Ethyl Benzene	11.51	91	425298	21.378	ug/l	99
68) m/p-Xylenes	11.62	106	307742	41.221	ug/l	97
69) o-Xylene	11.95	106	149004	20.628	ug/l	99
70) Styrene	11.97	104	239648	20.242	ug/l	99
71) Bromoform	12.13	173	67083	22.177	ug/l #	99
73) Isopropylbenzene	12.25	105	408761	22.038	ug/l	98
74) N-amyl acetate	12.07	43	182936	21.960	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	140131	22.934	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	124903m	22.231	ug/l	
77) Bromobenzene	12.53	156	96526	21.396	ug/l	98
78) n-propylbenzene	12.60	91	471154	21.799	ug/l	100
79) 2-Chlorotoluene	12.68	91	282414	21.052	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	343204	21.674	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	44987	21.448	ug/l	95
82) 4-Chlorotoluene	12.78	91	294921	21.424	ug/l	100
83) tert-Butylbenzene	13.00	119	291102	21.459	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	339848	21.619	ug/l	99
85) sec-Butylbenzene	13.18	105	392038	21.932	ug/l	100
86) p-Isopropyltoluene	13.29	119	347597	21.396	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	172282	20.707	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	172508	20.393	ug/l	99
89) n-Butylbenzene	13.62	91	303683	20.216	ug/l	99
90) Hexachloroethane	13.88	117	65177	22.422	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	171198	21.112	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	30412	21.305	ug/l	94

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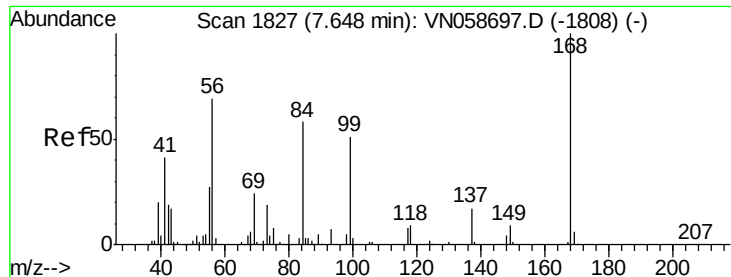
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	90930	18.382	ug/l	97
94) Hexachlorobutadiene	15.02	225	52910	20.311	ug/l	98
95) Naphthalene	15.13	128	266338	18.734	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	90886	18.819	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1017WBSD01

Tot Ion:168 Resp: 370487

Ion Ratio Lower Upper

168 100

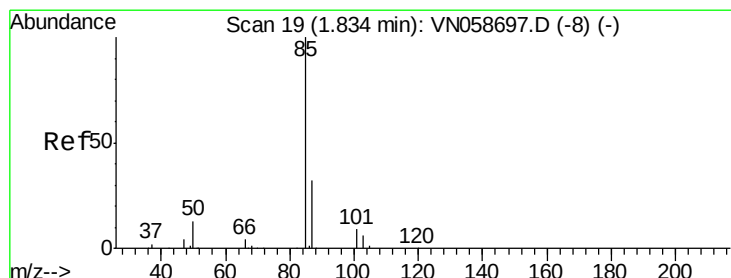
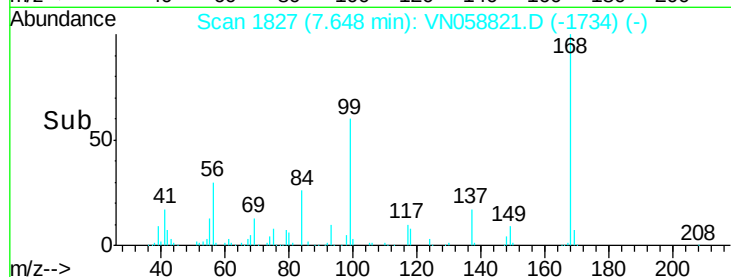
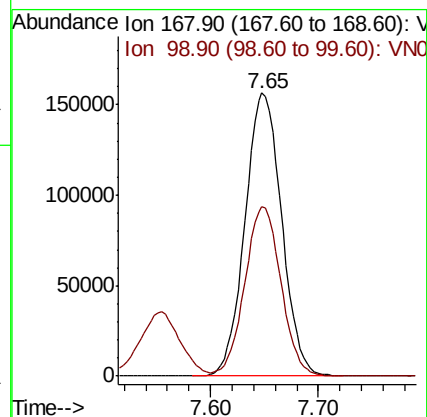
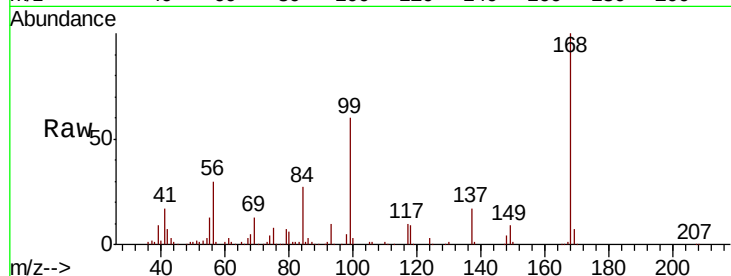
99 59.9 47.5 71.3

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#2

Dichlorodifluoromethane

Concen: 21.056 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058821.D

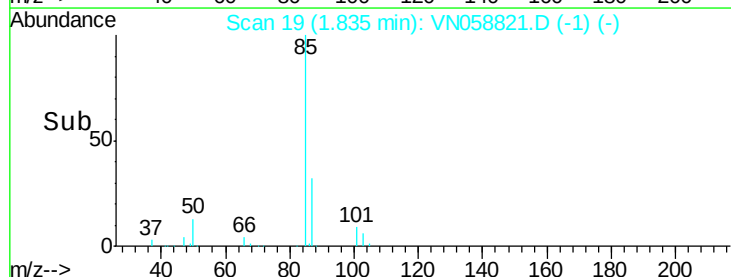
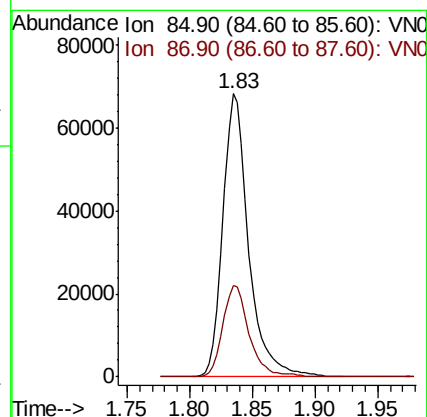
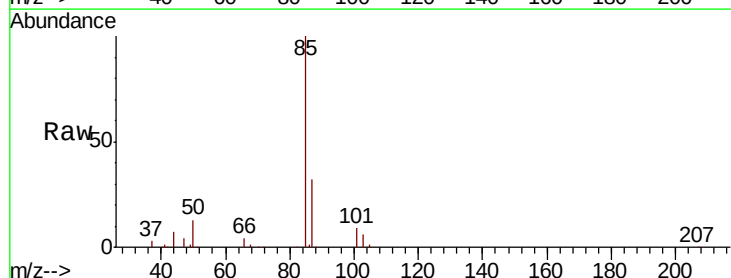
Acq: 17 Oct 2019 12:56

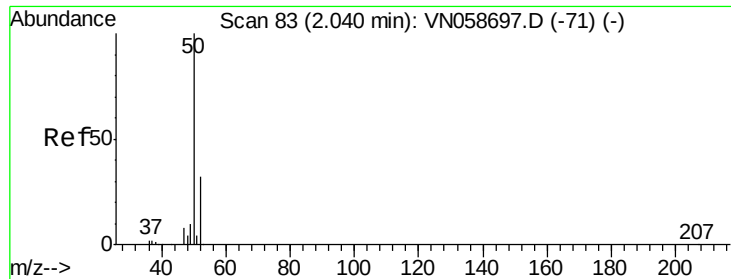
Tgt Ion: 85 Resp: 97155

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.6





#3

Chloromethane

Concen: 19.873 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1017WBSD01

Tot Ion: 50 Resp: 109039

Ion Ratio Lower Upper

50 100

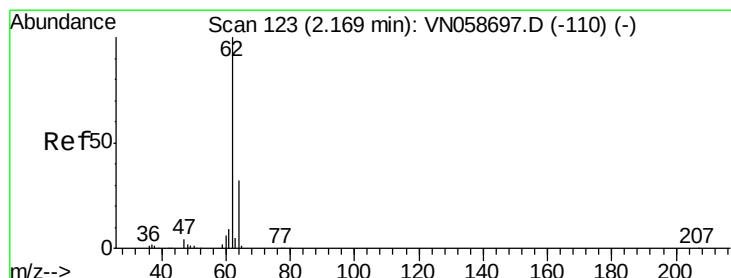
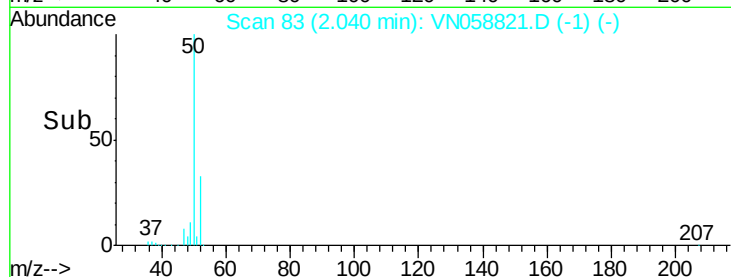
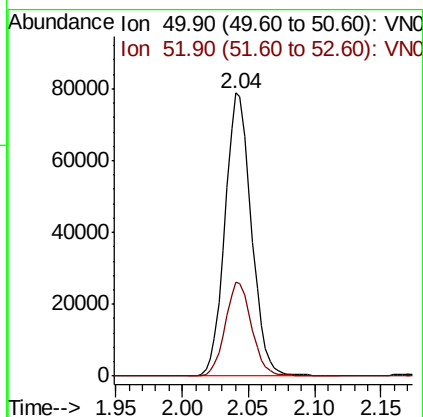
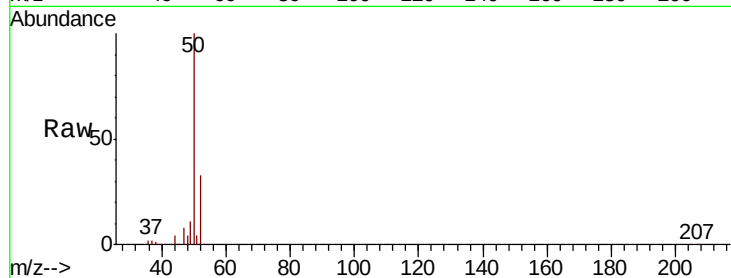
52 33.1 25.8 38.6

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: VN058821.D

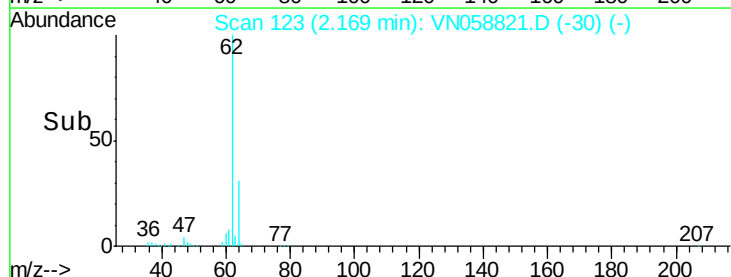
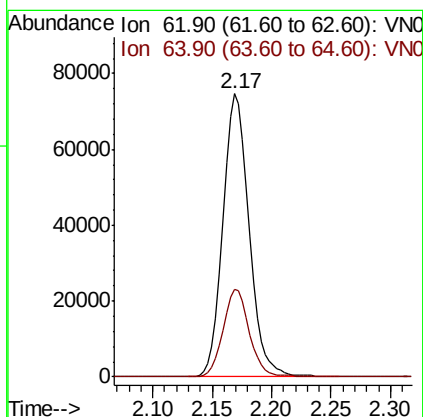
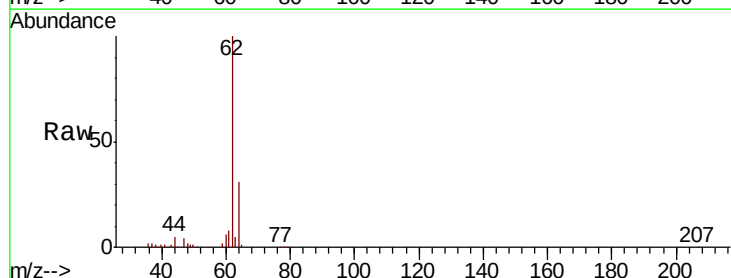
Acq: 17 Oct 2019 12:56

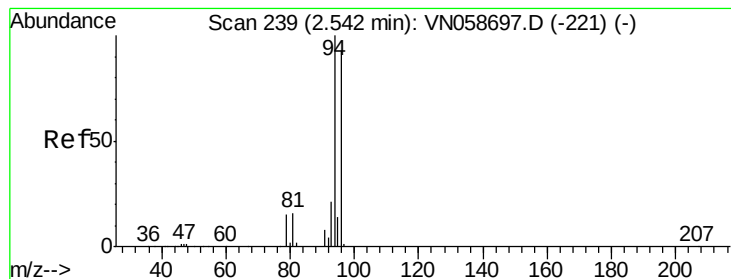
Tgt Ion: 62 Resp: 114187

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 21.717 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1017WBSD01

Tot Ion: 94 Resp: 72195

Ion Ratio Lower Upper

94 100

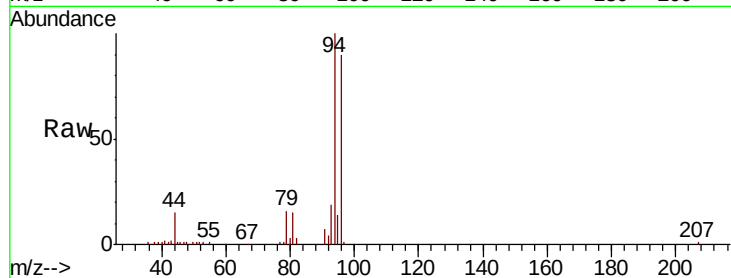
96 89.2 74.5 111.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

40000

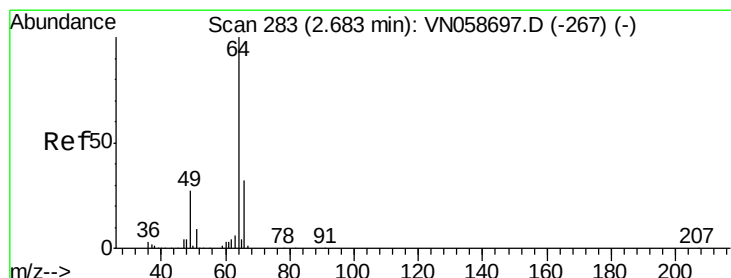
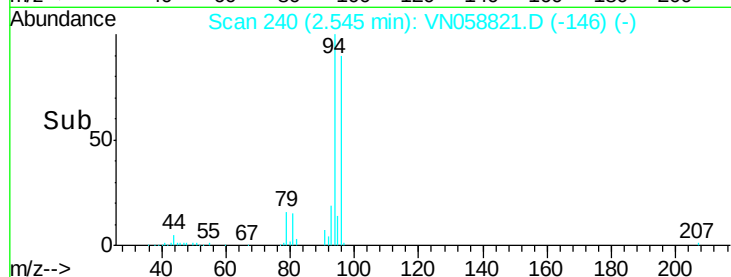
30000

20000

10000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 21.643 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058821.D

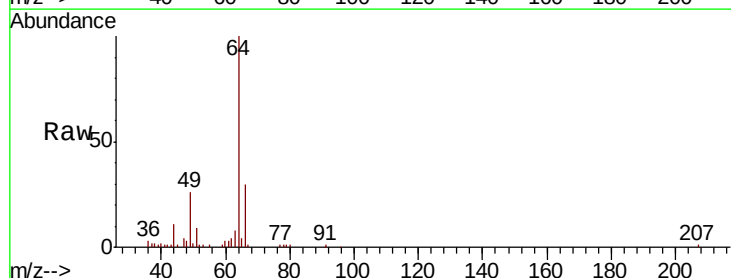
Acq: 17 Oct 2019 12:56

Tgt Ion: 64 Resp: 72953

Ion Ratio Lower Upper

64 100

66 30.3 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

40000

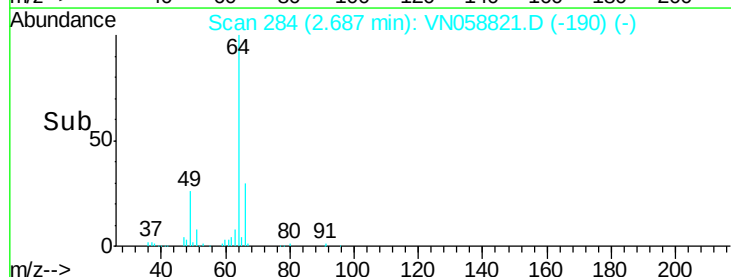
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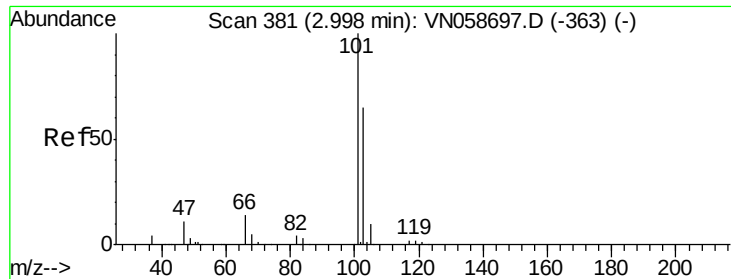
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10000

0

Time--> 2.60 2.70 2.80





#7

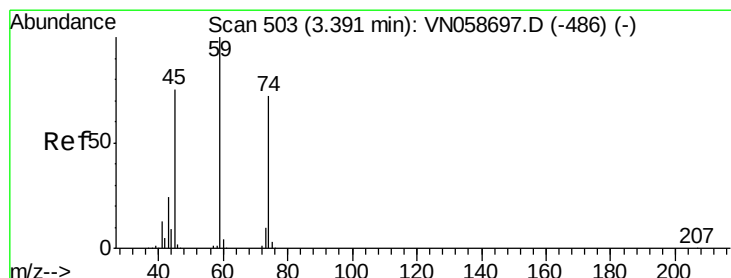
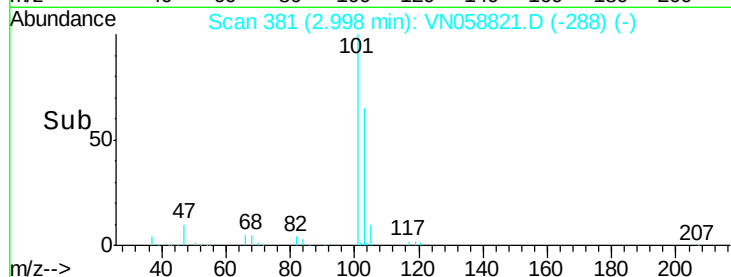
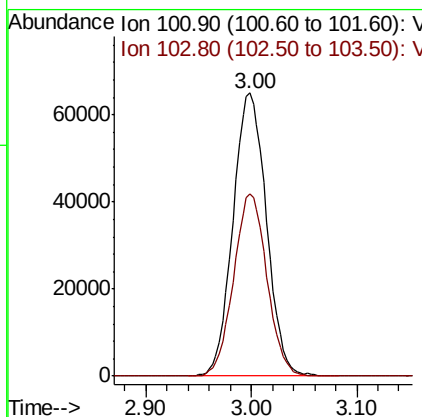
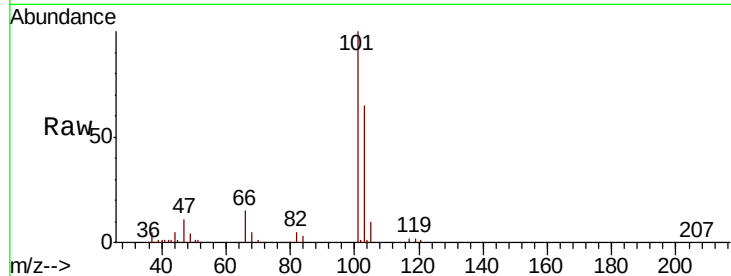
Trichlorofluoromethane
 Concen: 21.845 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Instrument :
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 ClientSampleId :
 VN1017WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.8	77.6

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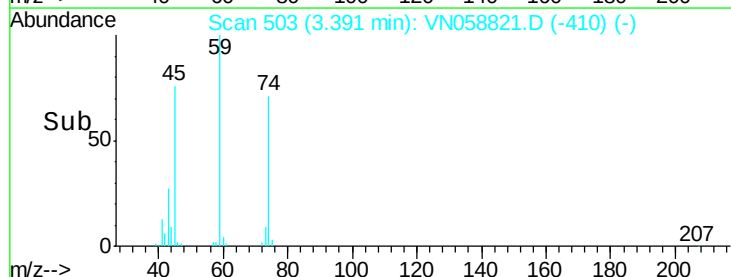
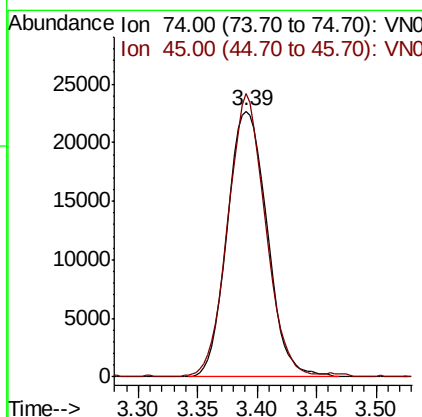
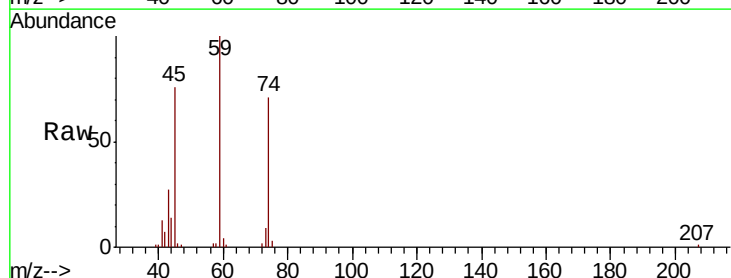
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 10/18/2019 3:26:17 PM

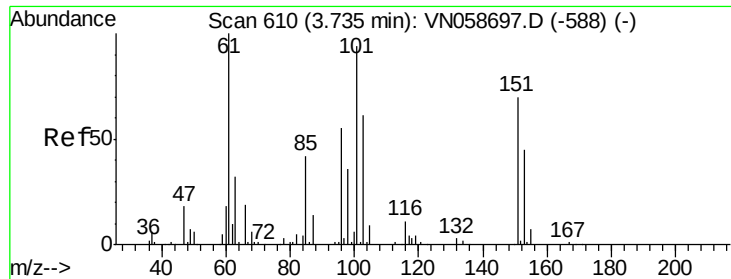


#8

Diethyl Ether
 Concen: 21.853 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.3	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.852 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

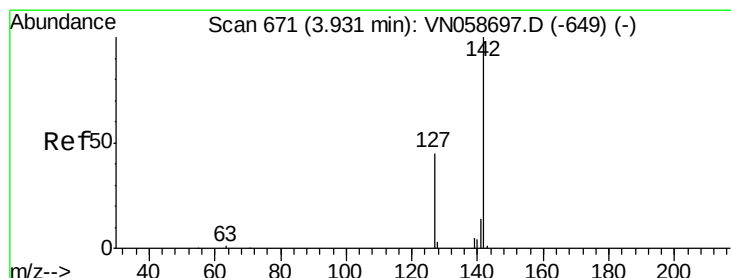
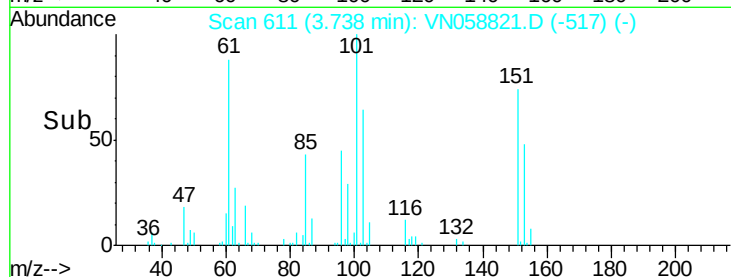
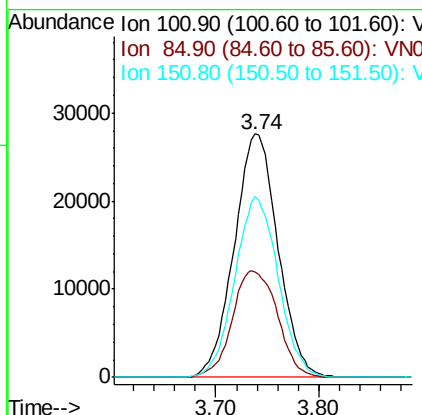
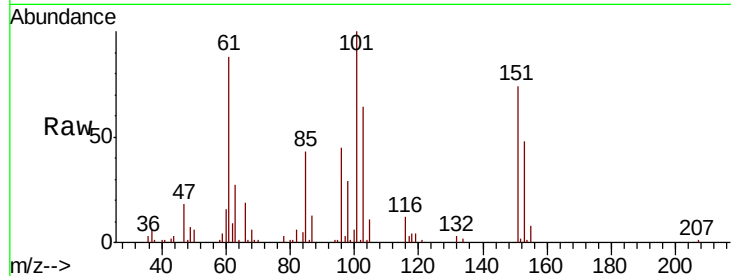
ClientSampleId :

VN1017WBSD01

Tot Ion:	101	Resp:	81488
Ion Ratio	Lower	Upper	
101	100		
85	45.1	37.0	55.6
151	73.6	61.8	92.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.537 ug/l

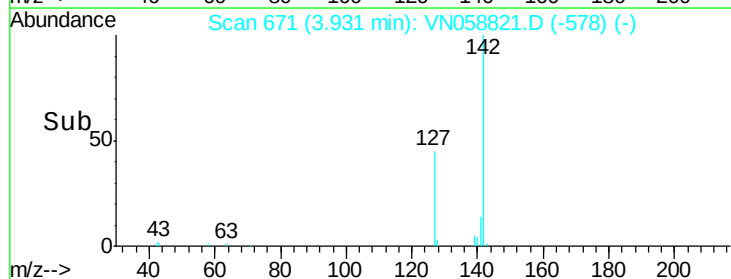
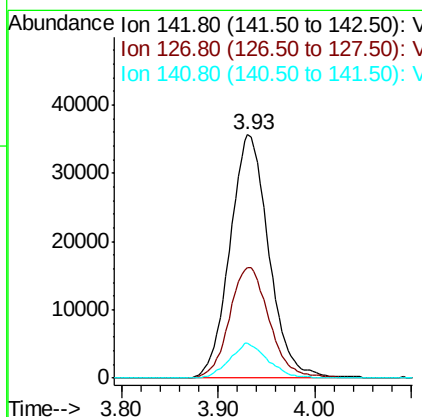
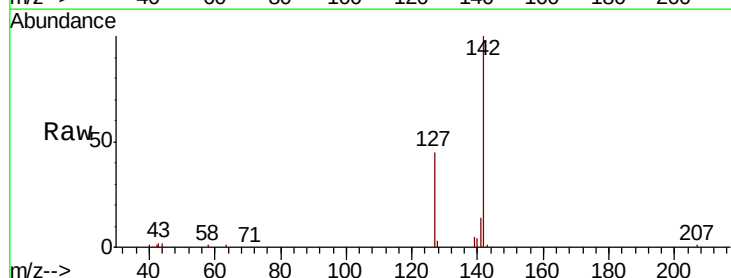
RT: 3.93 min Scan# 671

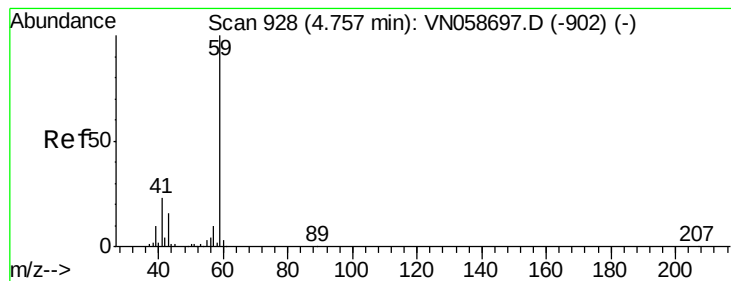
Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Tgt Ion:	142	Resp:	99421
Ion Ratio	Lower	Upper	
142	100		
127	46.7	36.4	54.6
141	14.0	11.1	16.7





#11

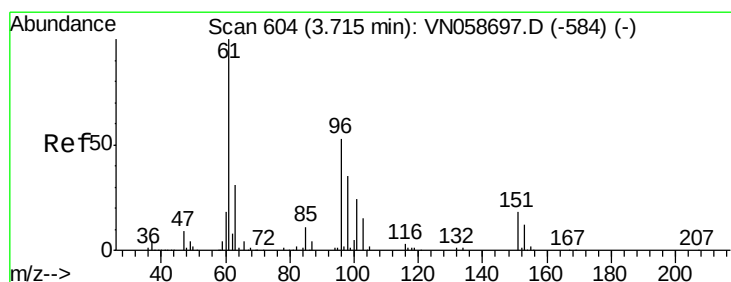
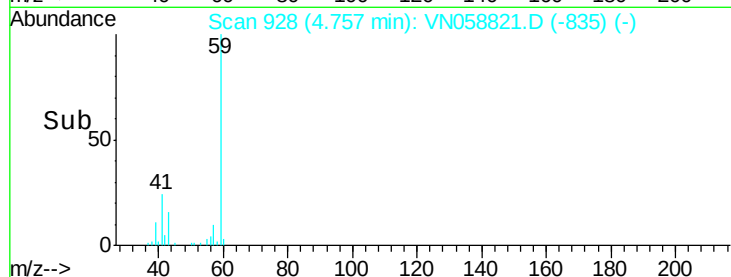
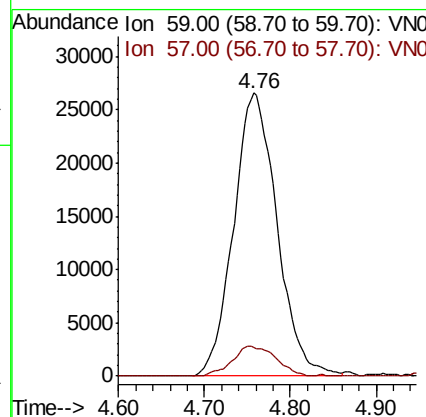
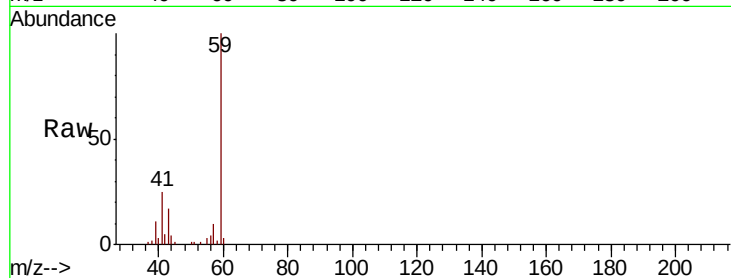
Tert butyl alcohol
 Concen: 111.002 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBSD01

Tot Ion	59.00 (58.70 to 59.70): VNO	Resp	93242
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6

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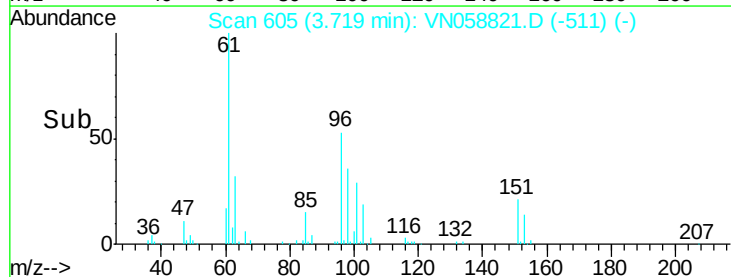
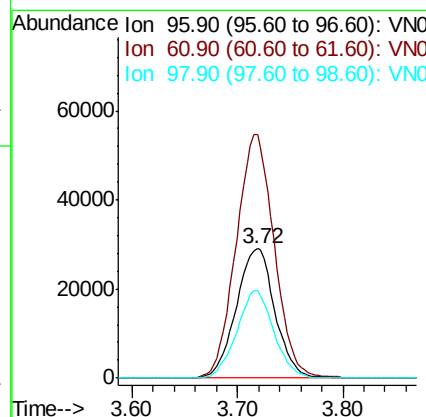
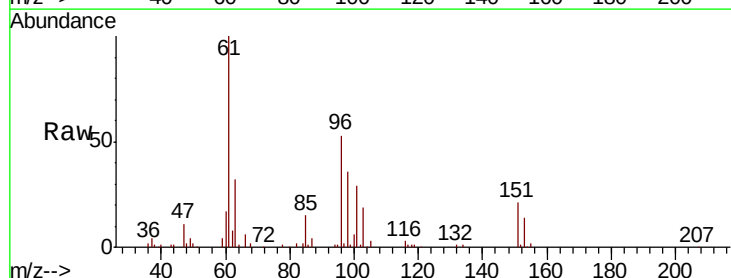
MMDadoda
 10/18/2019 3:26:17 PM

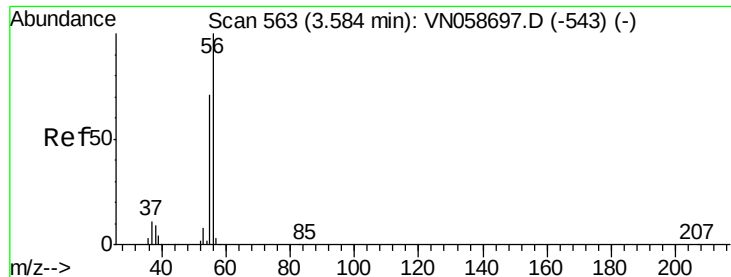


#12

1,1-Dichloroethene
 Concen: 20.724 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Tgt Ion	96	Resp	73737
Ion	Ratio	Lower	Upper
96	100		
61	187.9	151.3	226.9
98	67.4	52.6	78.8





#13

Acrolein

Concen: 66.674 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1017WBSD01

Tot Ion: 56 Resp: 45043

Ion Ratio Lower Upper

56 100

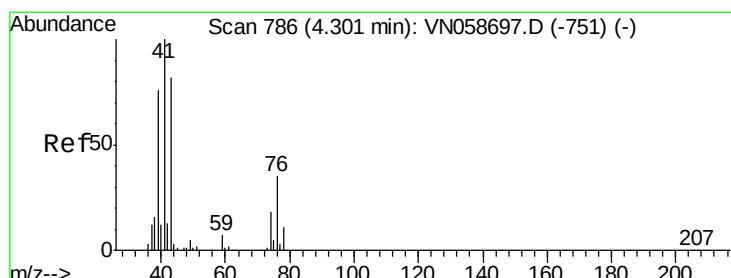
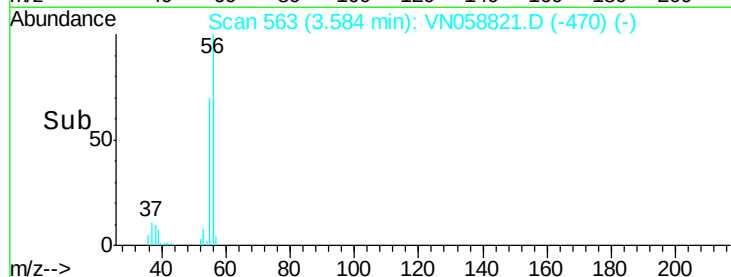
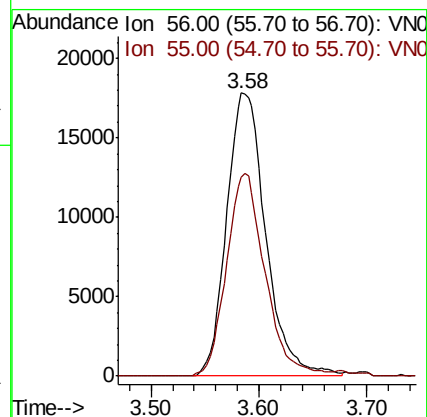
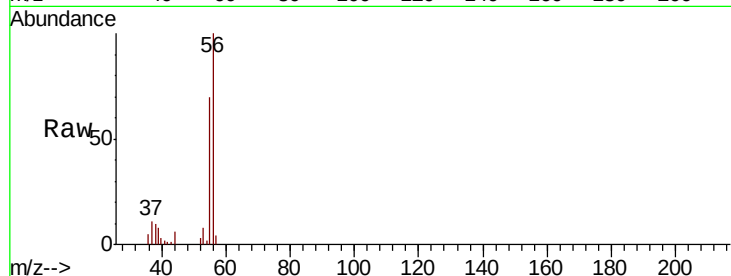
55 70.4 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 21.244 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

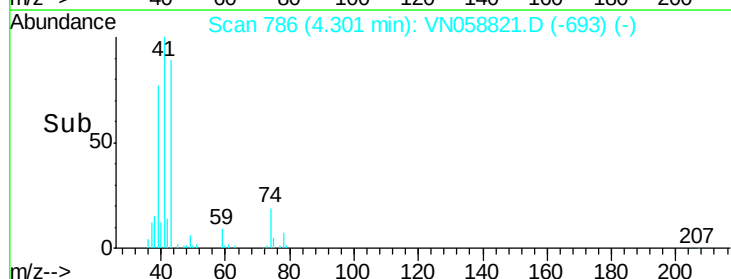
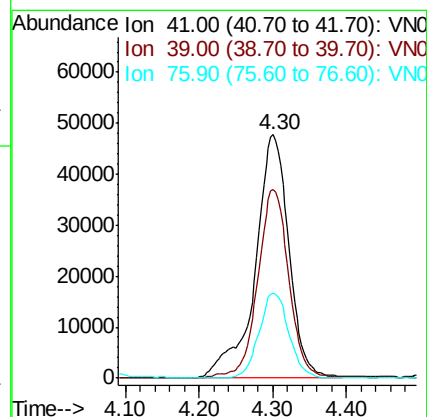
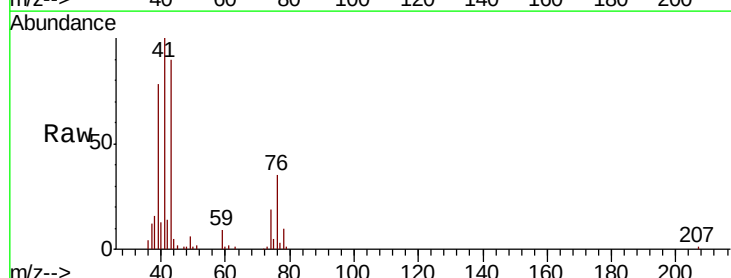
Tgt Ion: 41 Resp: 152535

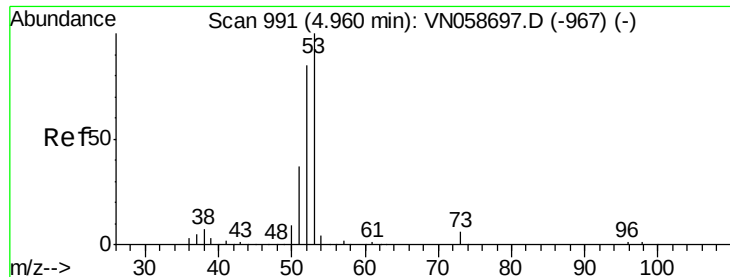
Ion Ratio Lower Upper

41 100

39 71.5 57.2 85.8

76 30.9 25.0 37.6





#15

Acrylonitrile

Concen: 113.667 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

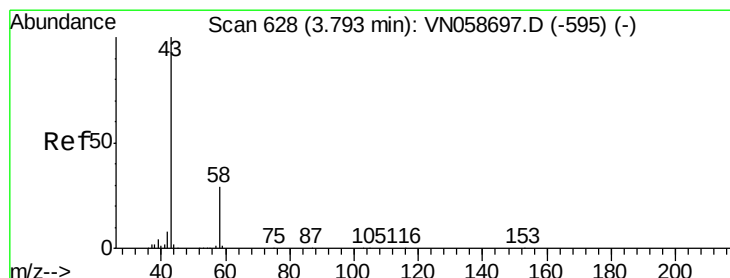
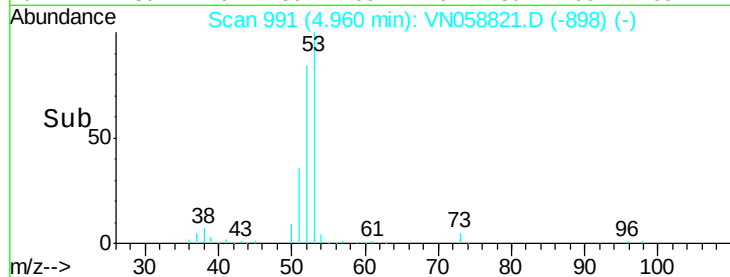
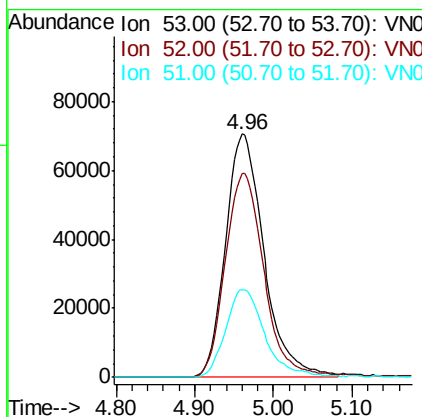
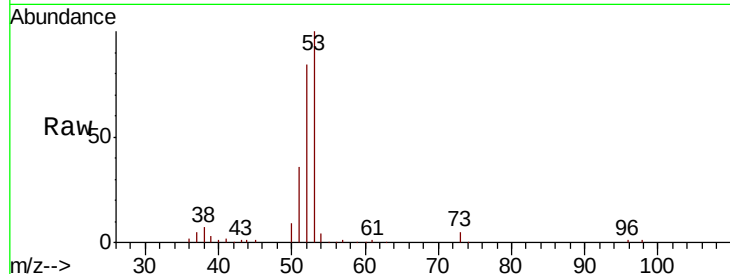
ClientSampleId :

VN1017WBSD01

Tot Ion:	53	Resp:	240788
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.2	99.2
51	36.8	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 117.741 ug/l

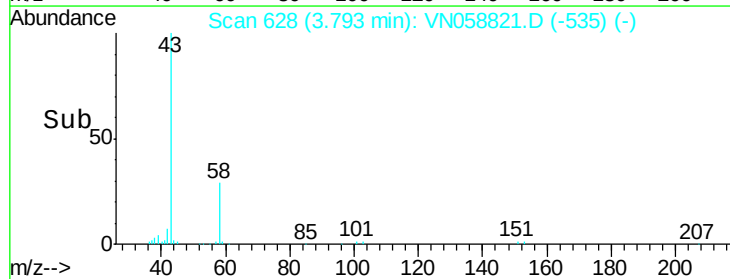
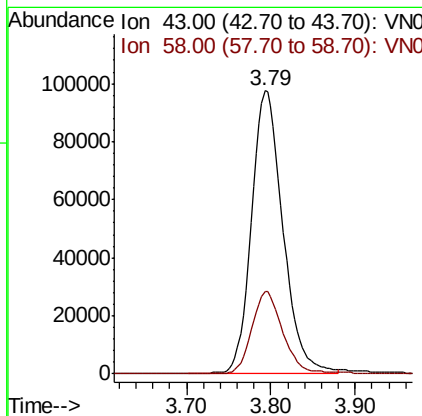
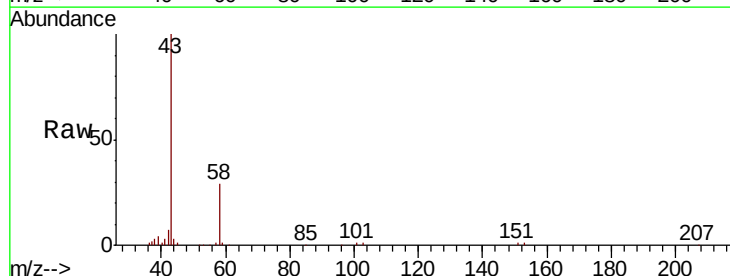
RT: 3.79 min Scan# 628

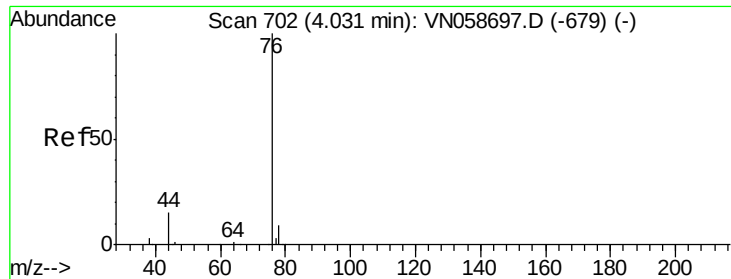
Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Tgt Ion:	43	Resp:	252823
Ion Ratio	Lower	Upper	
43	100		
58	29.1	23.3	34.9





#17

Carbon Disulfide

Concen: 19.196 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1017WBSD01

Tot Ion: 76 Resp: 218323

Ion Ratio Lower Upper

76 100

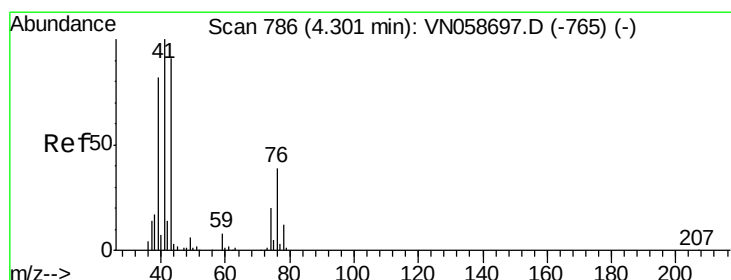
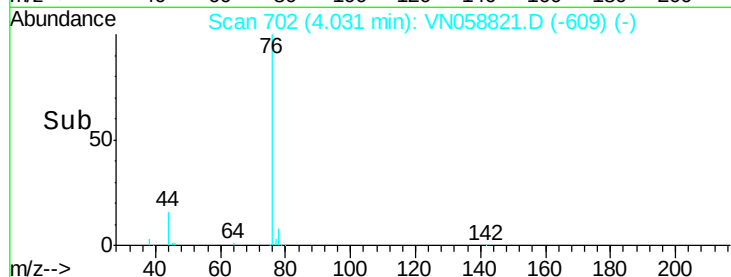
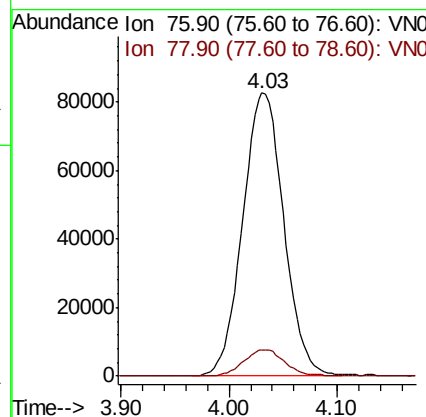
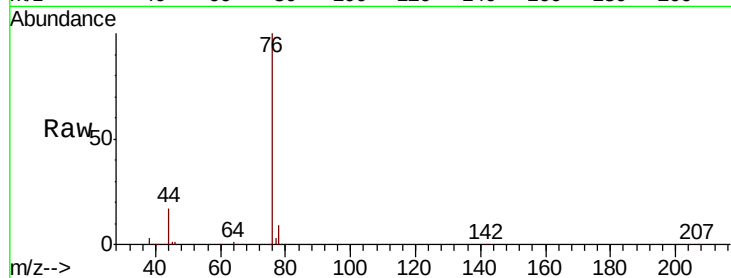
78 9.1 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 23.489 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058821.D

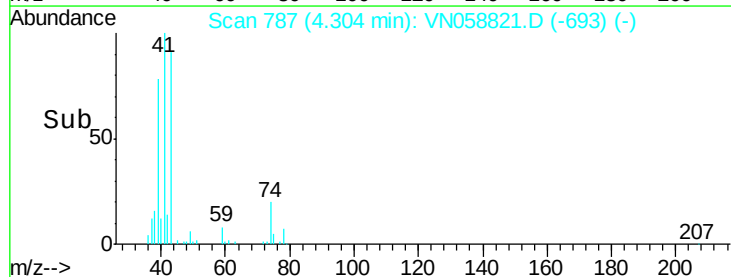
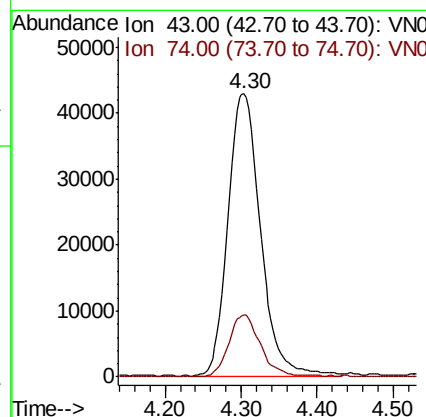
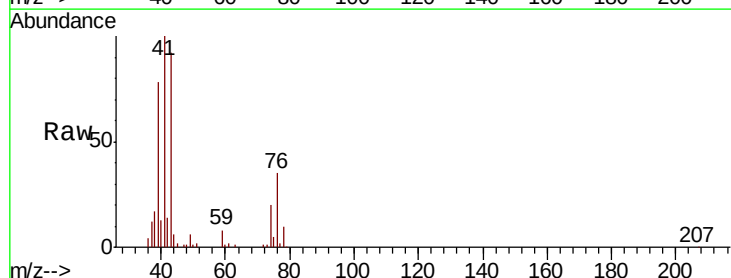
Acq: 17 Oct 2019 12:56

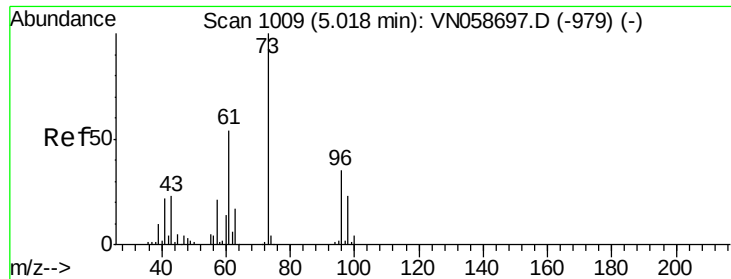
Tgt Ion: 43 Resp: 127938

Ion Ratio Lower Upper

43 100

74 21.4 17.2 25.8





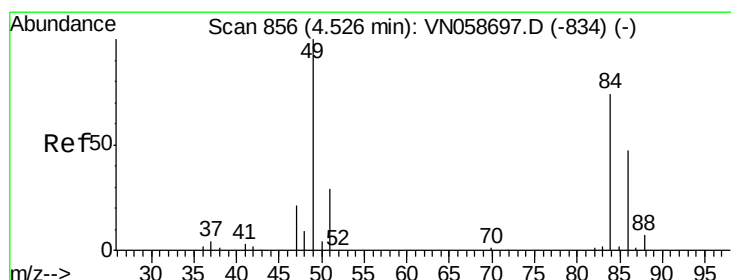
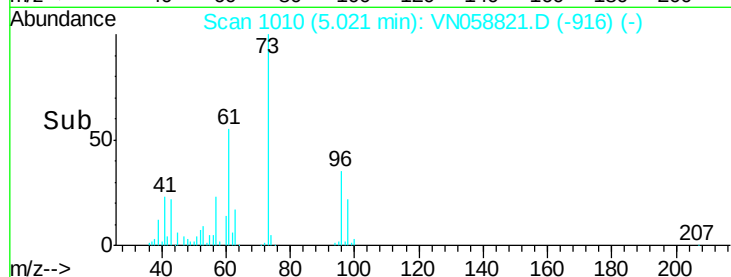
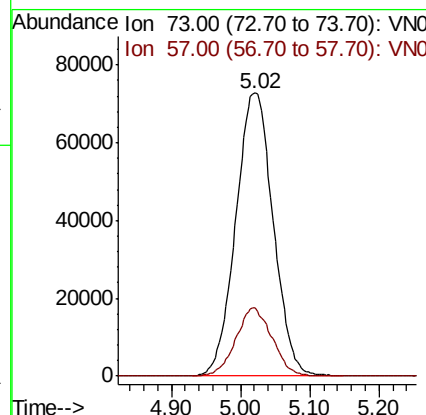
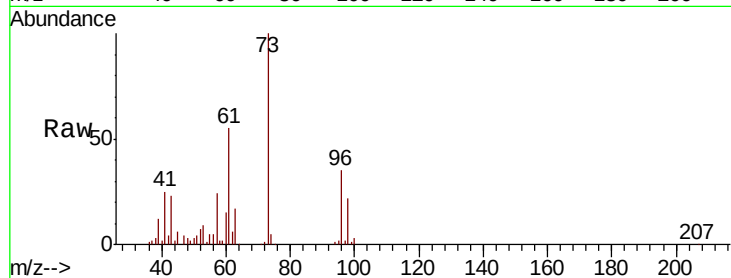
#19
Methyl tert-butyl Ether
Concen: 21.539 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBSD01

Tot Ion: 73 Resp: 273656
Ion Ratio Lower Upper
73 100
57 24.0 17.0 25.6

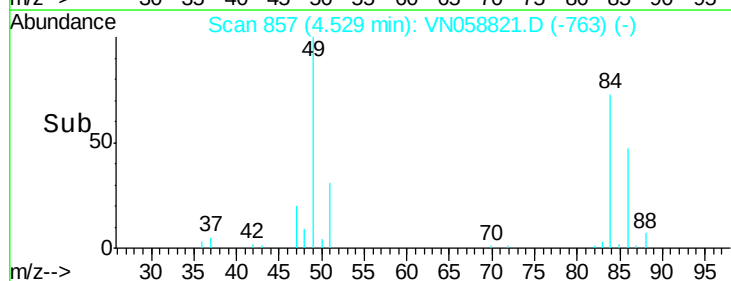
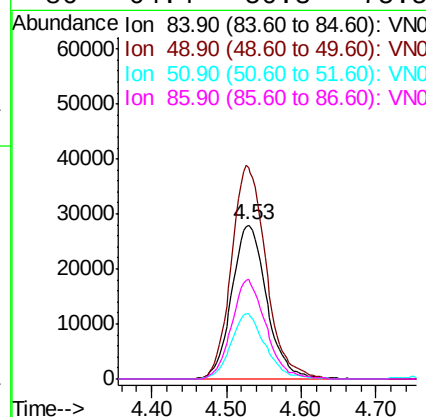
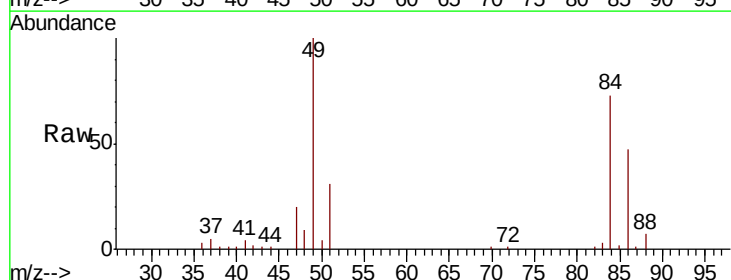
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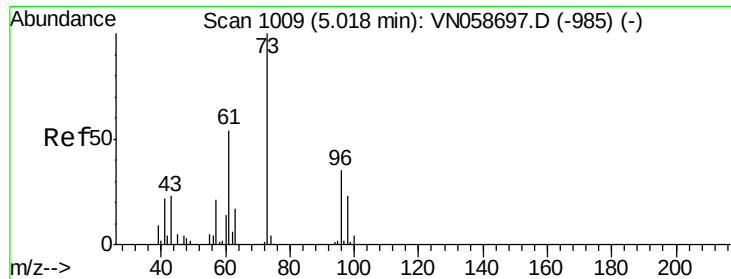
MMDadoda
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#20
Methylene Chloride
Concen: 20.218 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion: 84 Resp: 90733
Ion Ratio Lower Upper
84 100
49 137.0 107.6 161.4
51 42.0 31.4 47.0
86 64.4 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 20.494 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

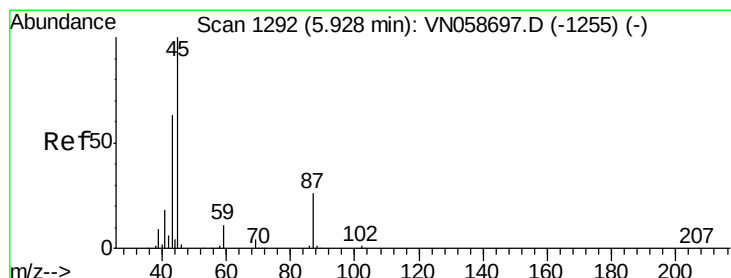
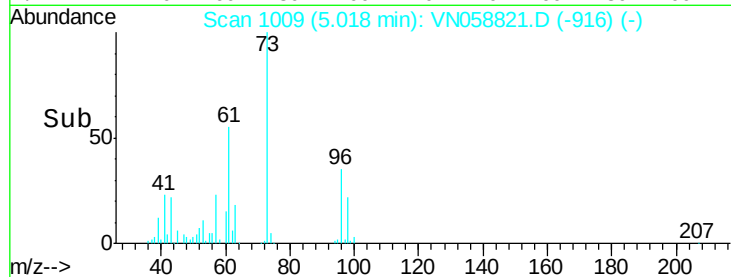
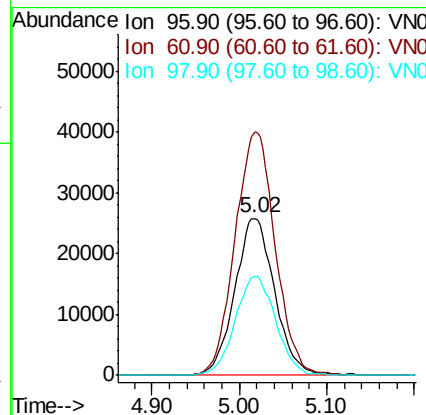
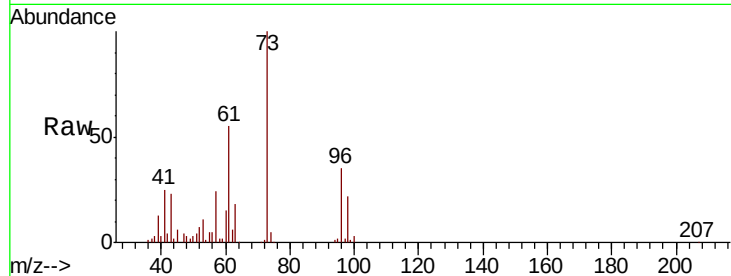
ClientSampleId :

VN1017WBSD01

Tot Ion:	96	Resp:	81563
Ion	Ratio	Lower	Upper
96	100		
61	155.2	123.6	185.4
98	63.4	52.1	78.1

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#22

Diisopropyl ether

Concen: 22.022 ug/l

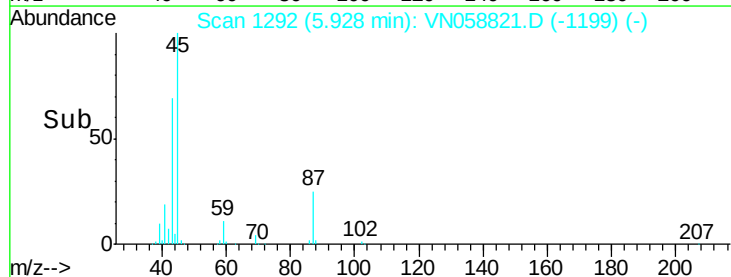
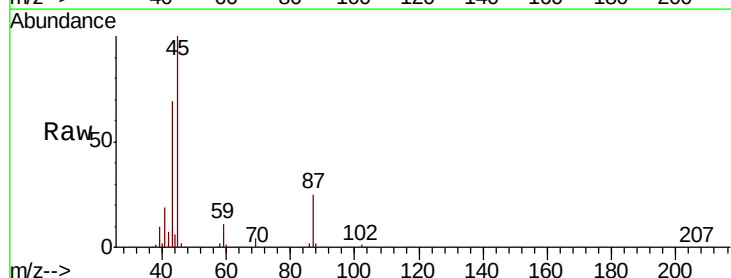
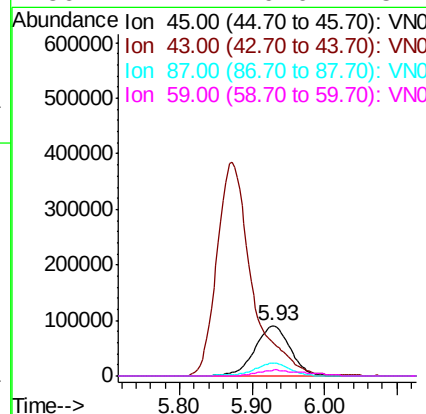
RT: 5.93 min Scan# 1292

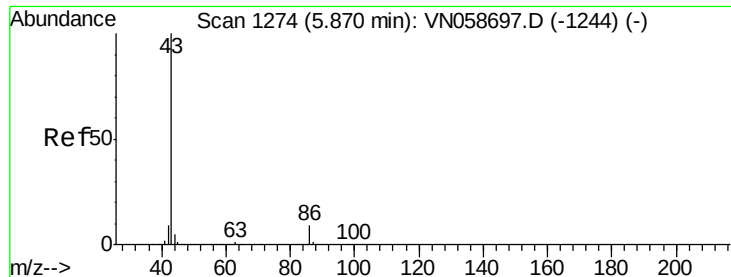
Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Tgt Ion:	45	Resp:	307439
Ion	Ratio	Lower	Upper
45	100		
43	67.1	50.6	75.8
87	24.8	21.1	31.7
59	11.1	9.0	13.4





#23

Vinyl Acetate

Concen: 114.974 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1017WBSD01

Tot Ion: 43 Resp: 1295183

Ion Ratio Lower Upper

43 100

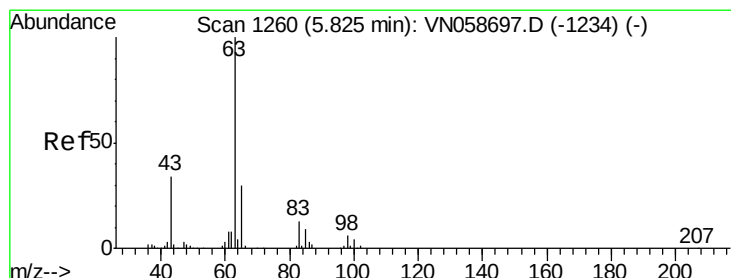
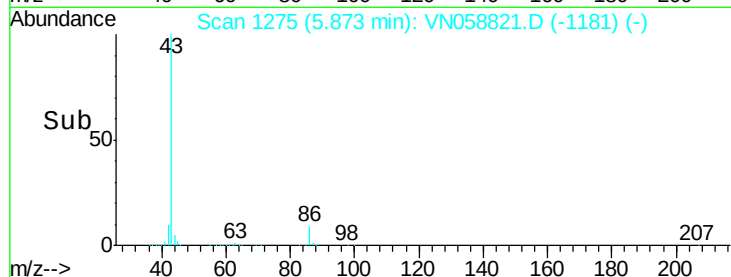
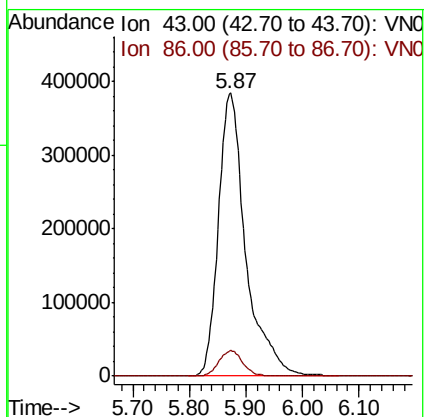
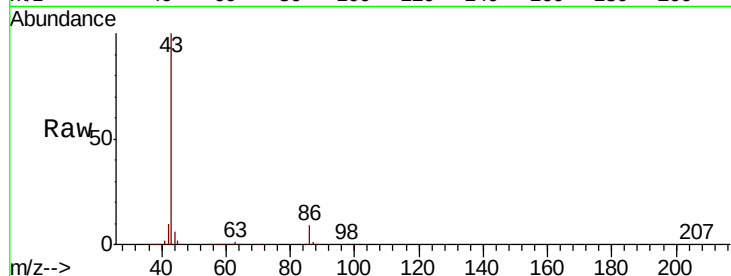
86 9.0 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.528 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

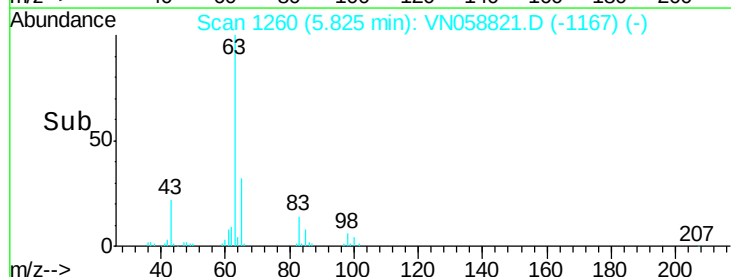
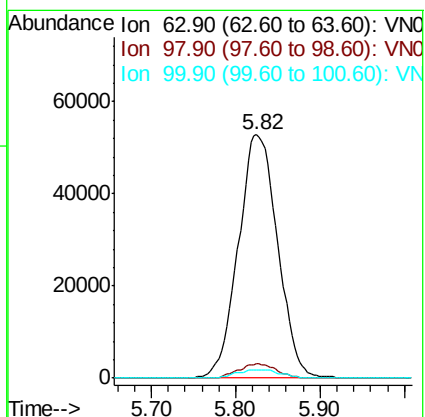
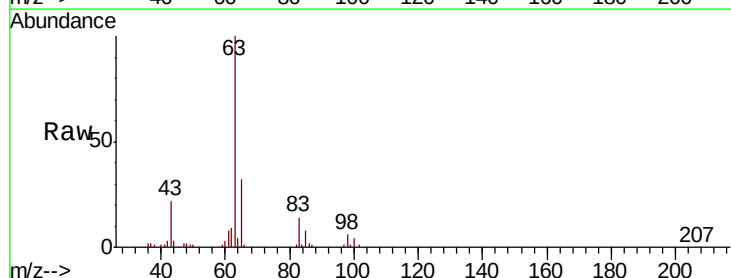
Tgt Ion: 63 Resp: 171176

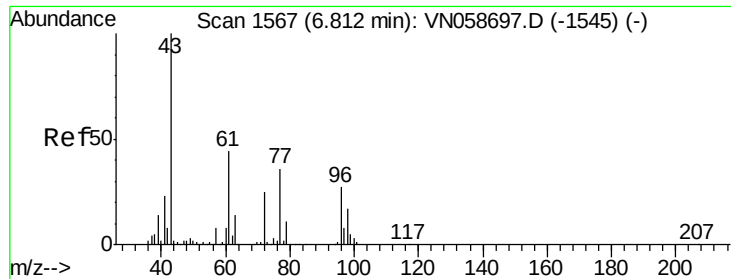
Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 3.6 1.8 5.5





#25

2-Butanone

Concen: 112.043 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1017WBSD01

Tot Ion: 43 Resp: 347746

Ion Ratio Lower Upper

43 100

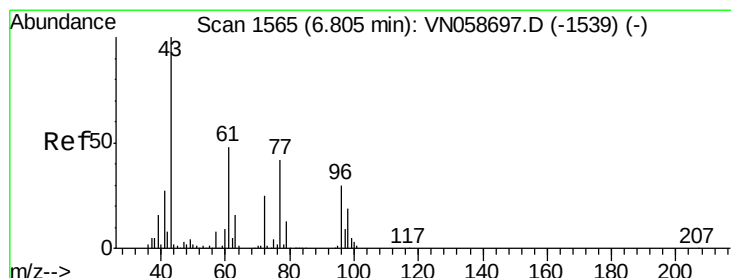
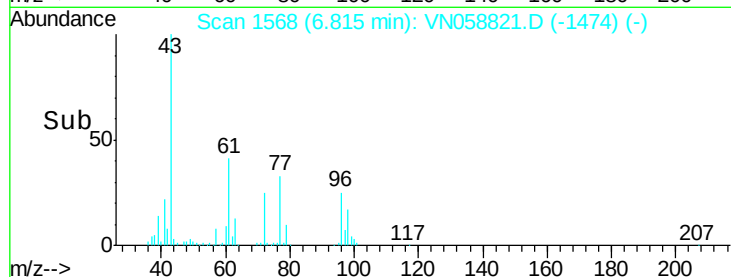
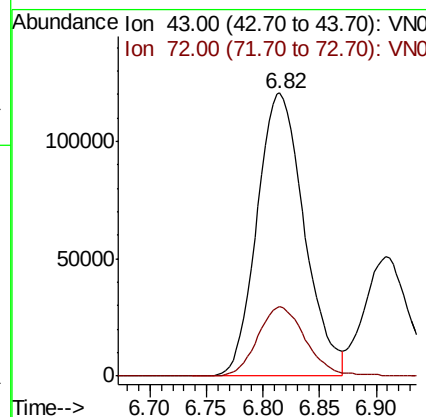
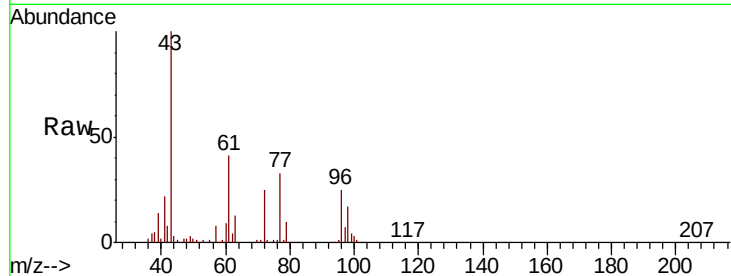
72 24.7 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.270 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058821.D

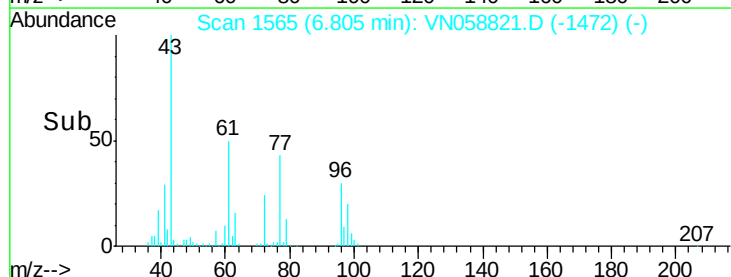
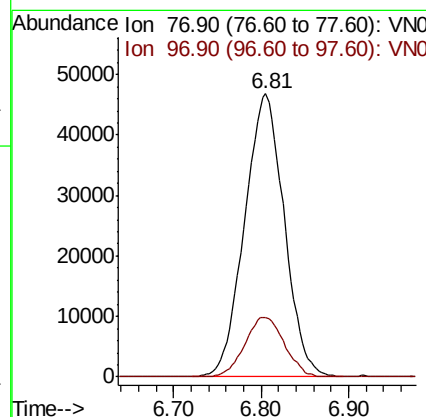
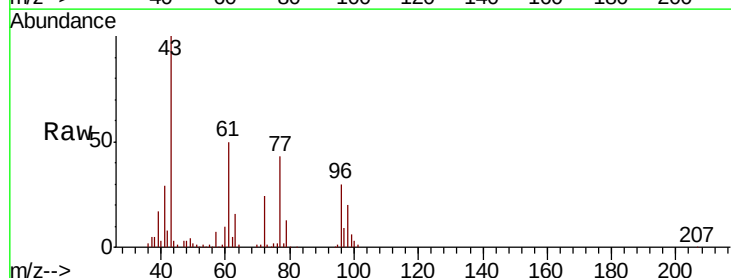
Acq: 17 Oct 2019 12:56

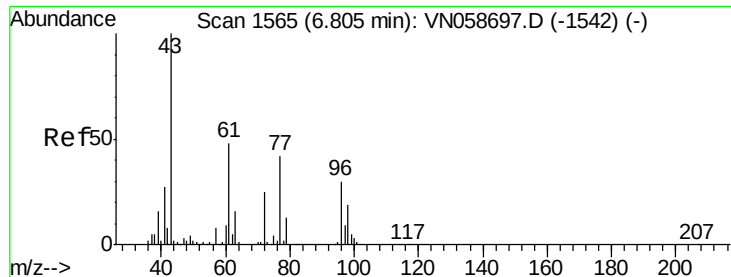
Tgt Ion: 77 Resp: 147122

Ion Ratio Lower Upper

77 100

97 21.1 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.374 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

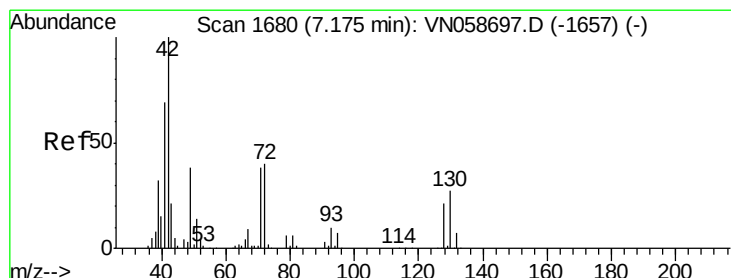
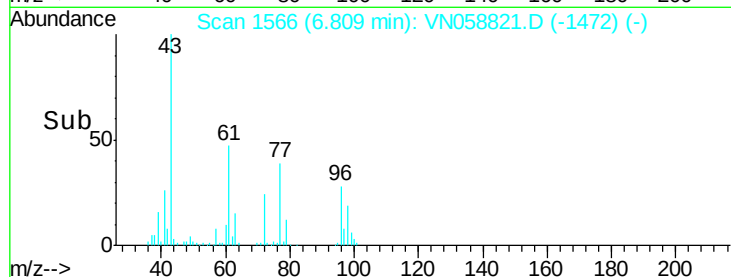
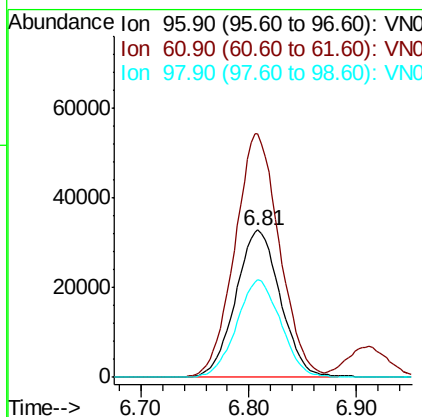
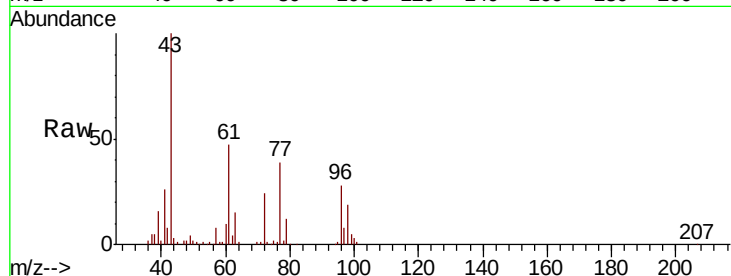
ClientSampleId :

VN1017WBSD01

Tot Ion:	96	Resp:	94555
Ion	Ratio	Lower	Upper
96	100		
61	165.7	0.0	324.8
98	65.4	0.0	129.2

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#28

Bromochloromethane

Concen: 20.881 ug/l

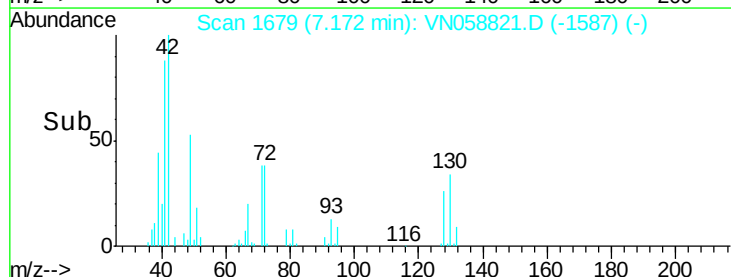
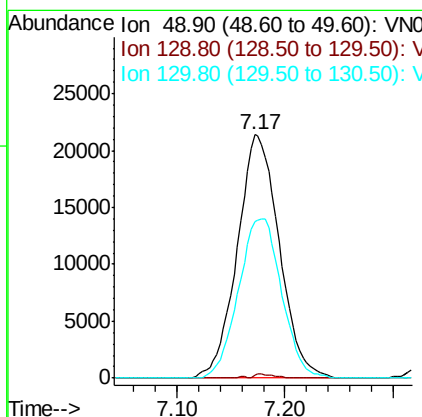
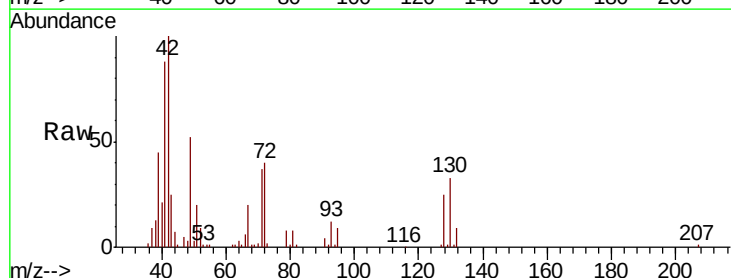
RT: 7.17 min Scan# 1679

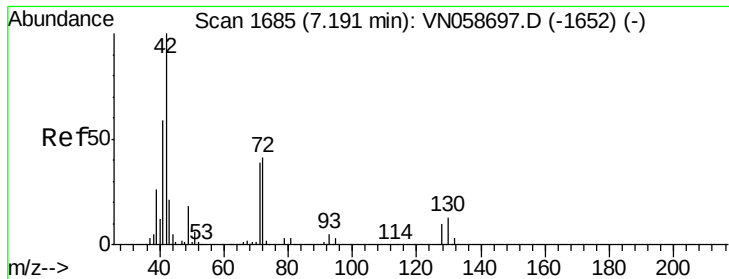
Delta R.T. -0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Tgt Ion:	49	Resp:	57760
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.6
130	67.2	55.0	82.4





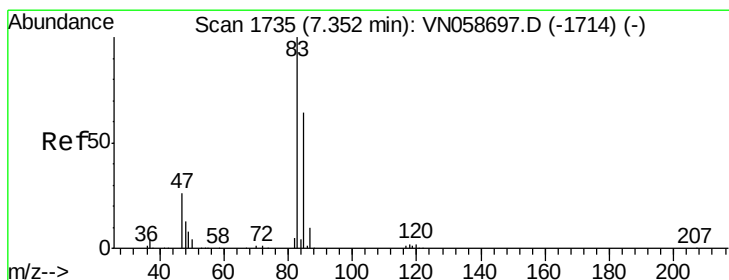
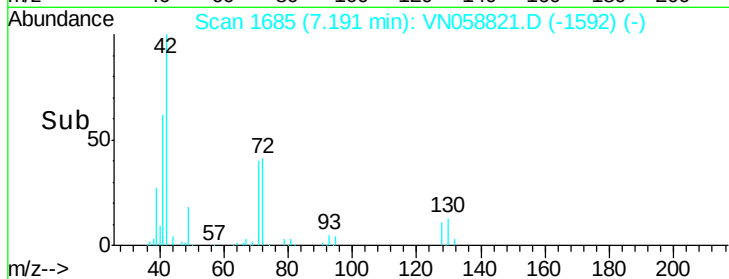
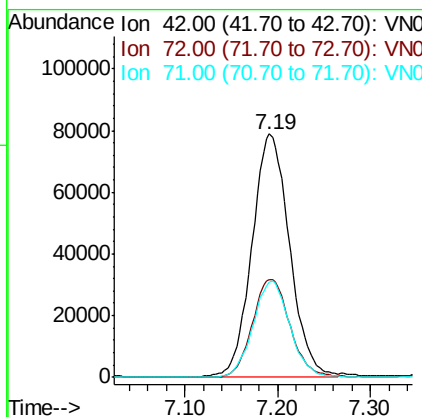
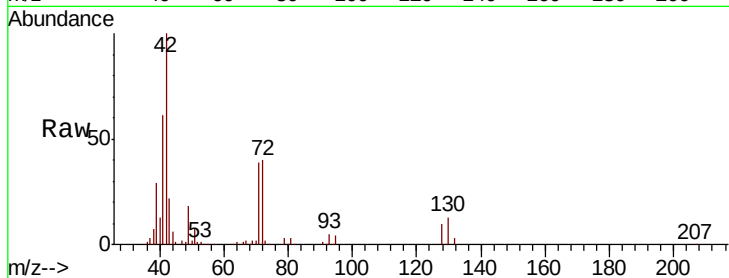
#29
Tetrahydrofuran
Concen: 111.261 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.8	49.2
71	38.7	31.1	46.7

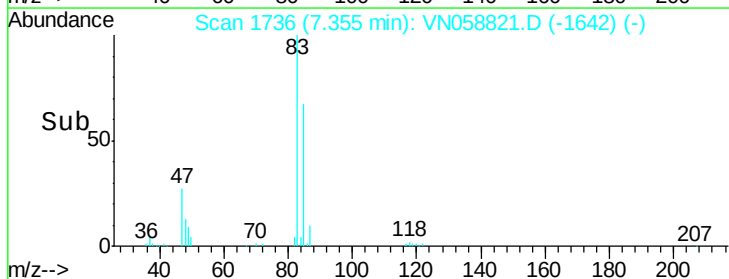
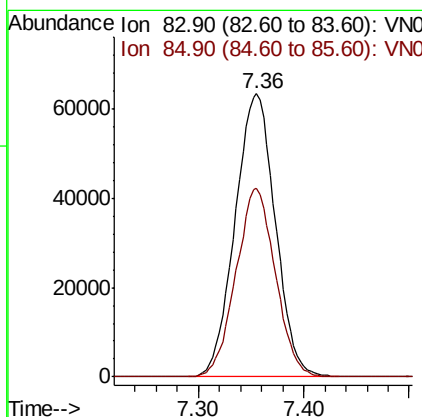
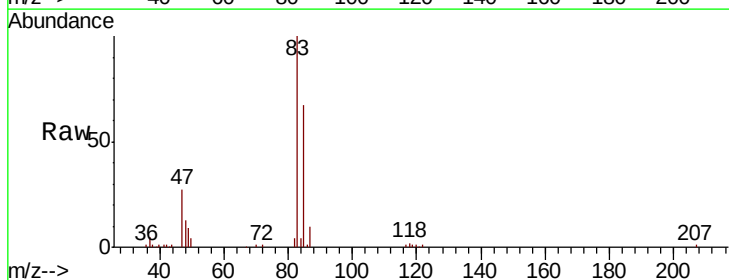
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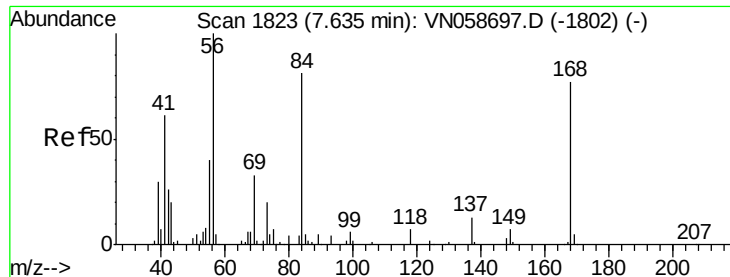
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#30
Chloroform
Concen: 21.027 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.0	76.6





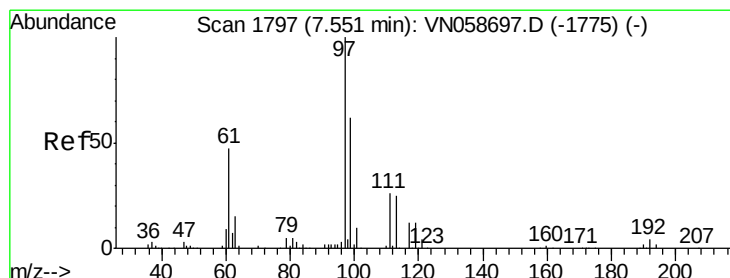
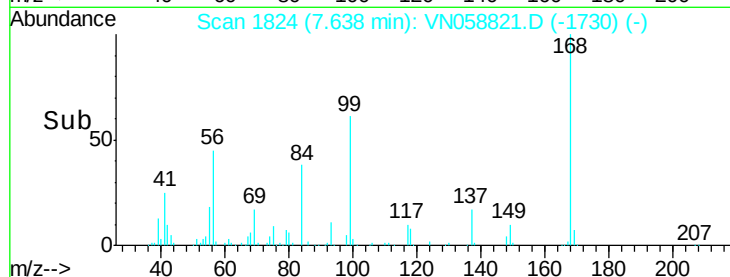
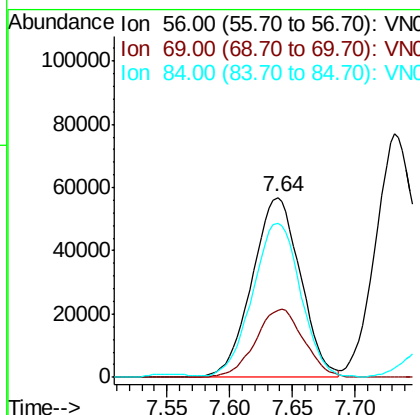
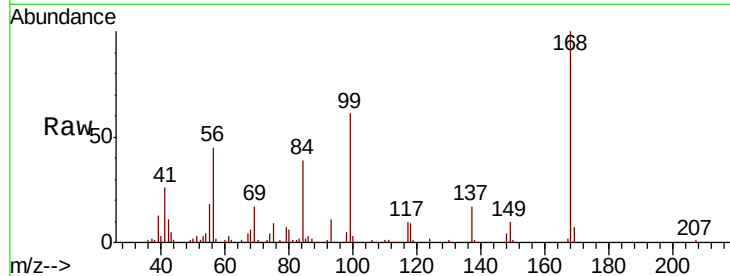
#31
Cyclohexane
Concen: 20.046 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	26.2	39.4
84	84.9	64.9	97.3

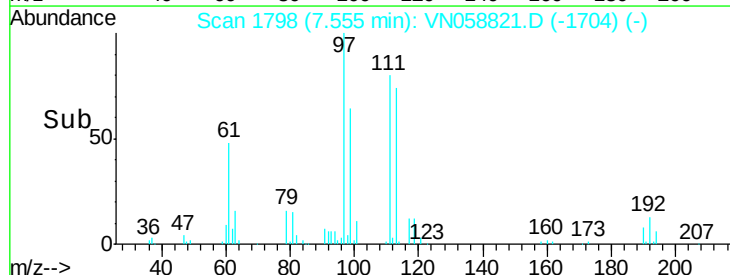
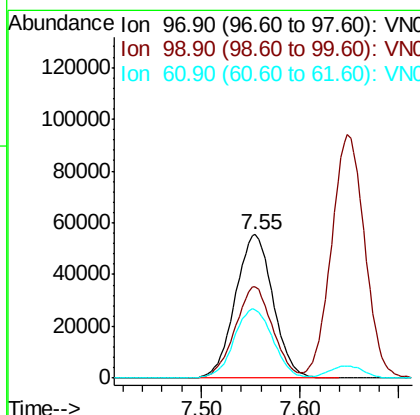
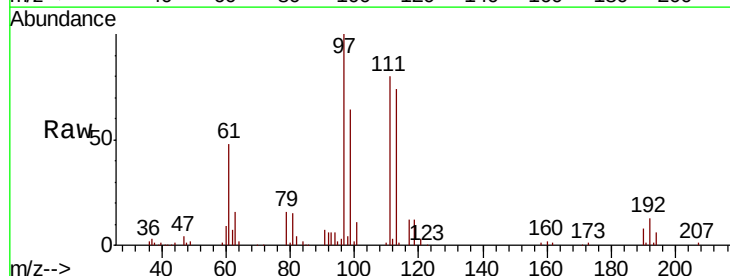
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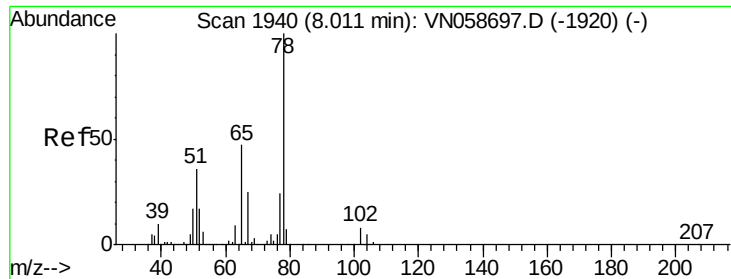
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.618 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.8	76.2
61	49.4	38.1	57.1





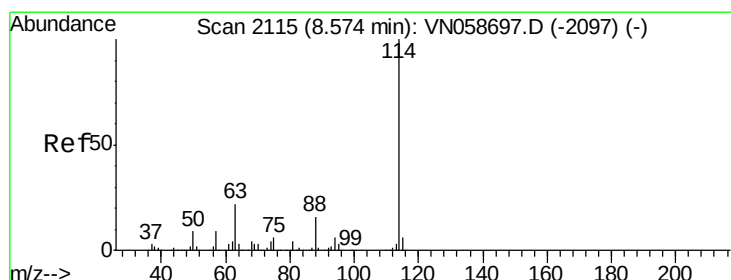
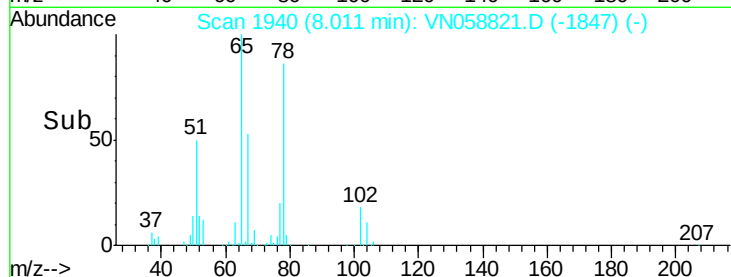
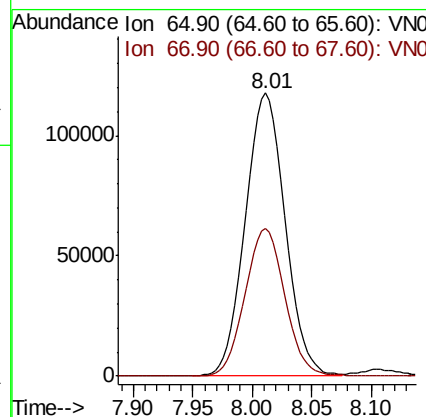
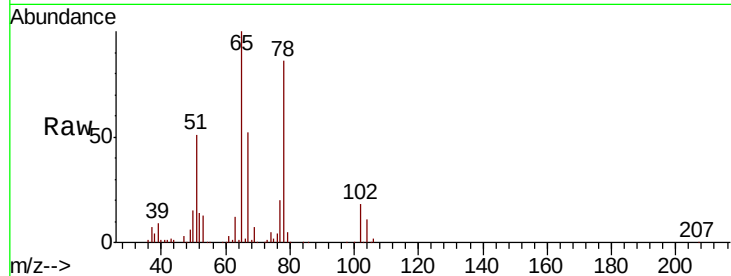
#33
 1,2-Dichloroethane-d4
 Concen: 52.819 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	273959		
67	52.1	0.0	103.8	

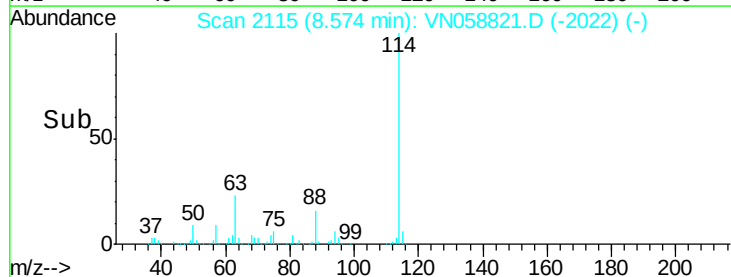
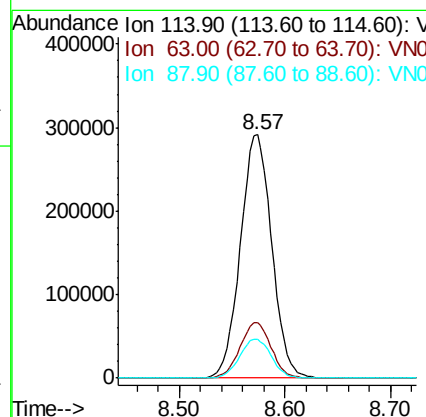
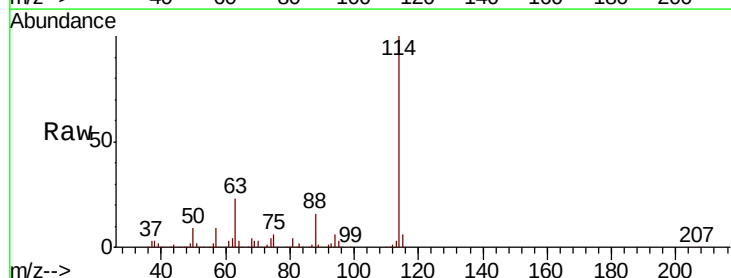
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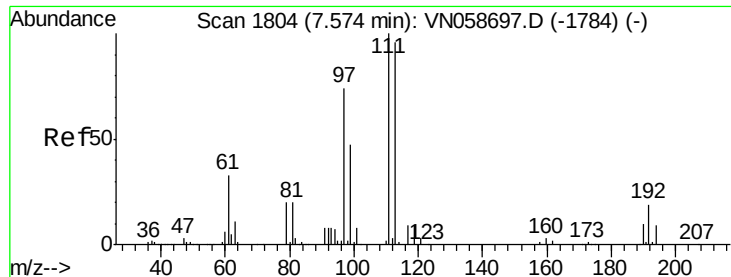
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	600699		
63	22.7	0.0	43.8	
88	15.7	0.0	32.0	





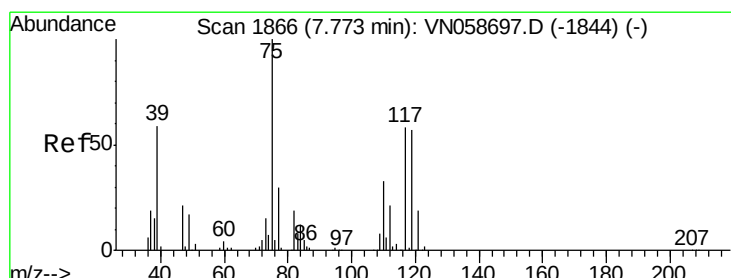
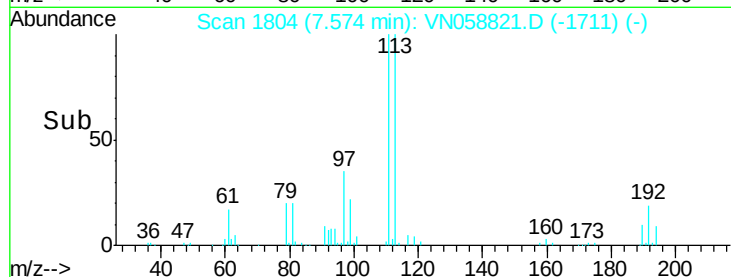
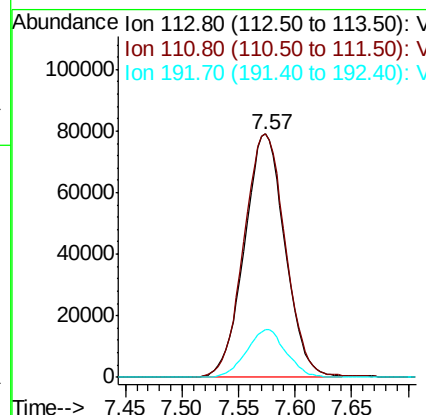
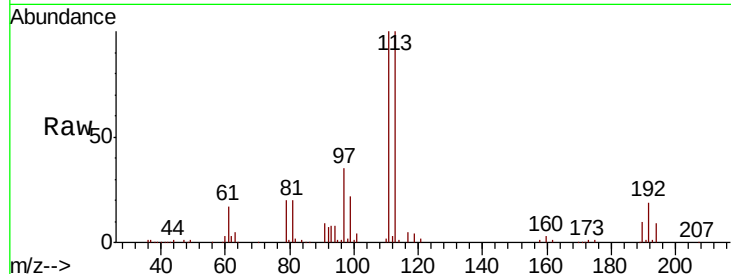
#35
Dibromofluoromethane
Concen: 53.019 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	196721		
111	102.7	82.3	123.5	
192	19.1	15.0	22.6	

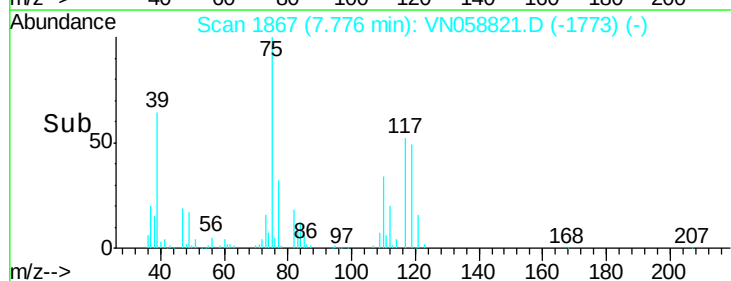
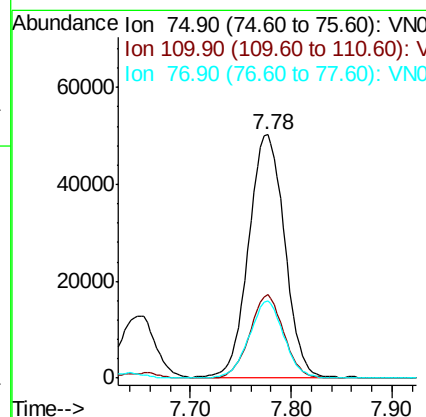
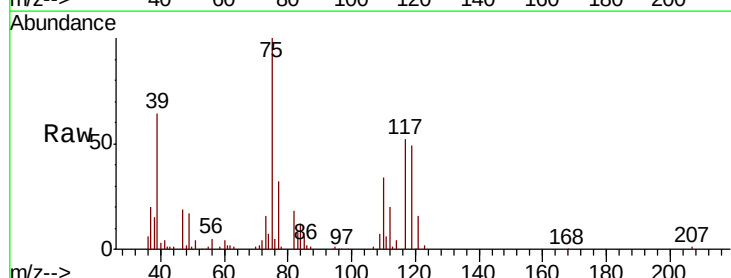
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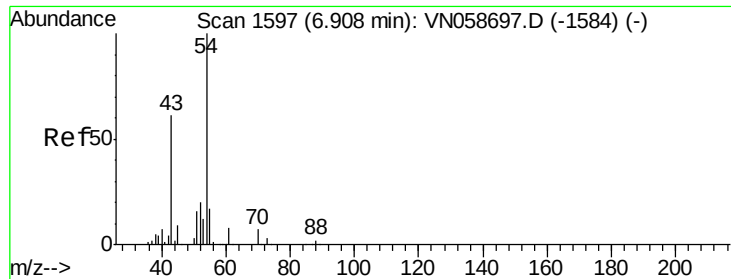
MMDadoda
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#36
1,1-Dichloropropene
Concen: 20.327 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123458		
110	32.4	16.6	49.8	
77	30.8	24.6	37.0	





#37

Ethyl Acetate

Concen: 22.768 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

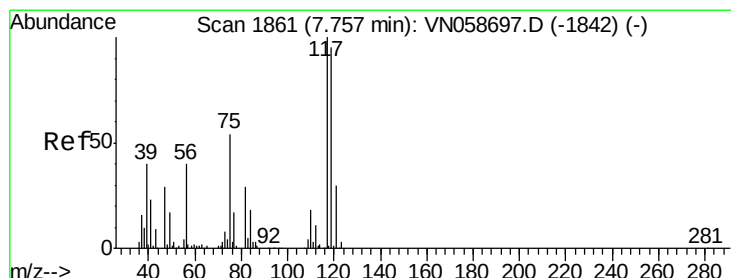
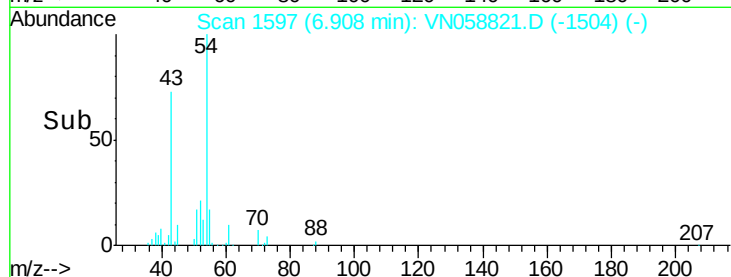
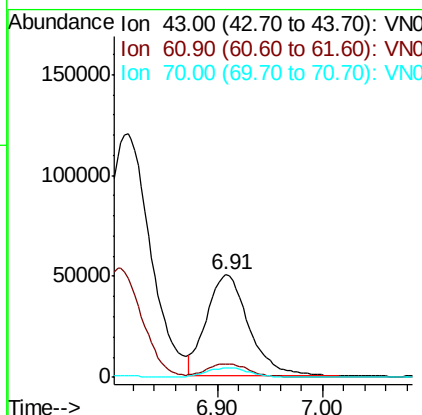
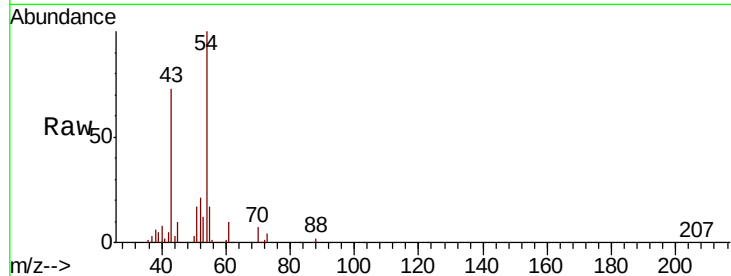
ClientSampleId :

VN1017WBSD01

Tot Ion:	43	Resp:	139848
Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.3	16.9
70	9.6	7.2	10.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 21.541 ug/l

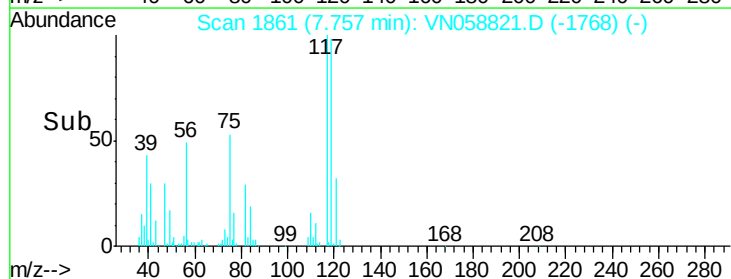
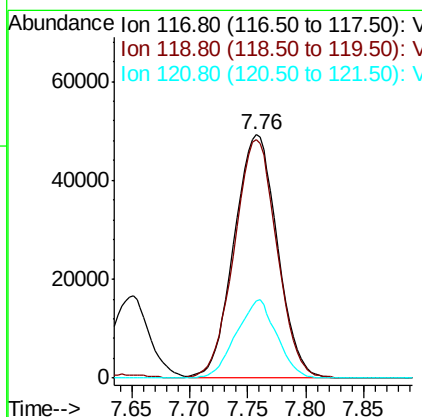
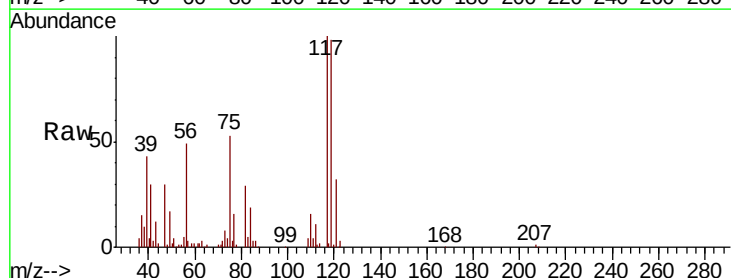
RT: 7.76 min Scan# 1861

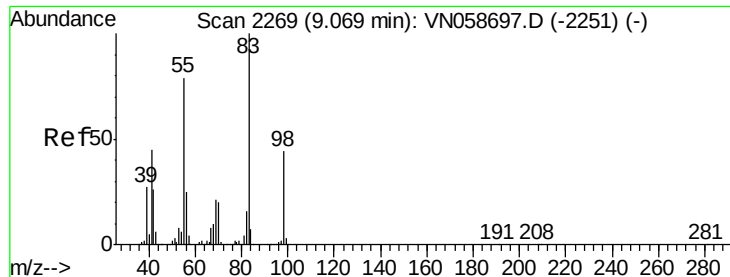
Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Tgt Ion:	117	Resp:	127507
Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.7	113.5
121	31.7	23.9	35.9





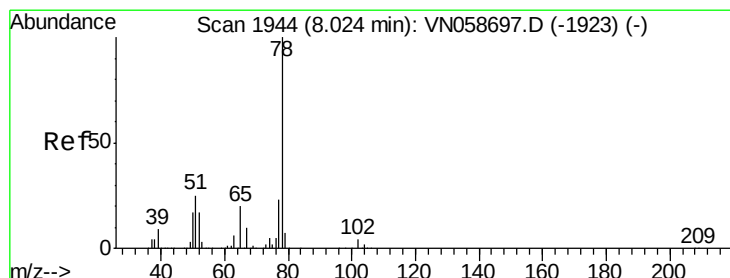
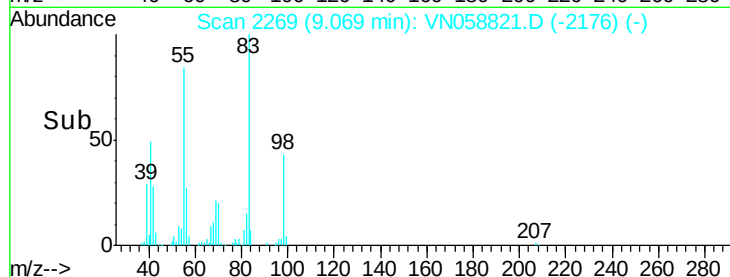
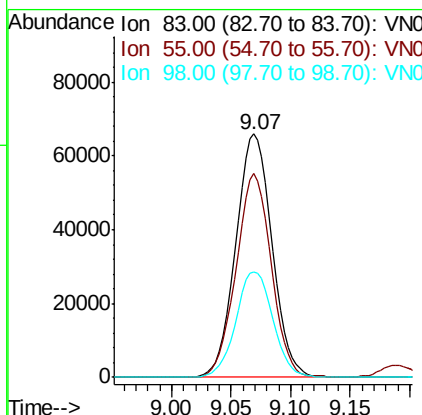
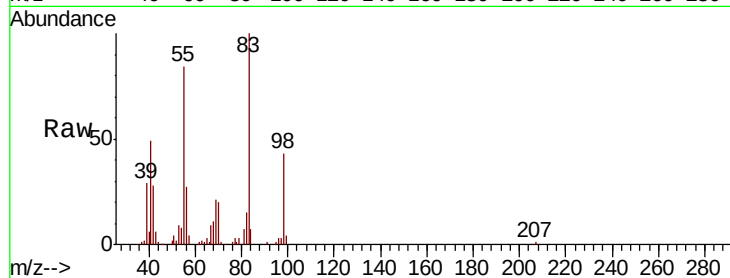
#39
Methylvlcyclohexane
Concen: 19.739 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	63.4	95.0
98	43.4	35.1	52.7

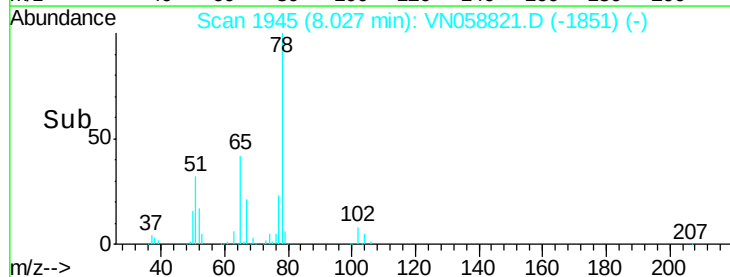
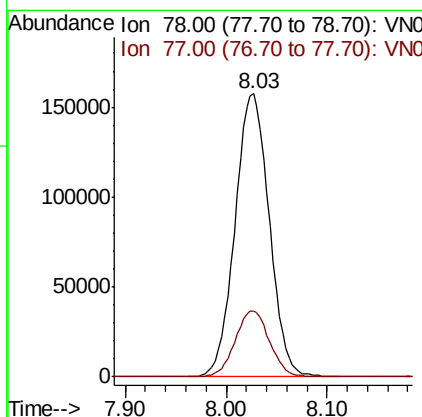
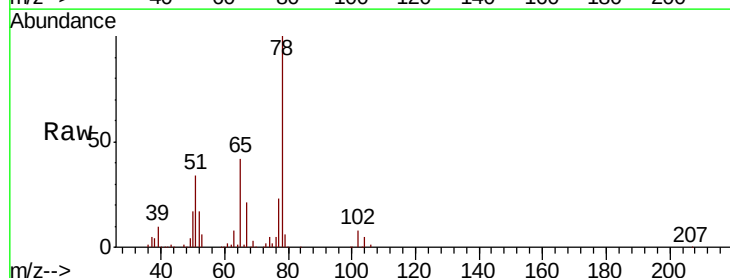
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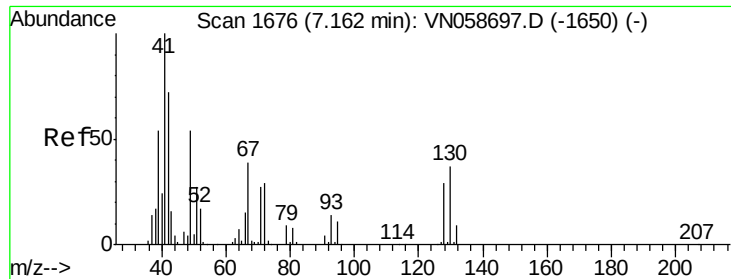
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#40
Benzene
Concen: 21.231 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





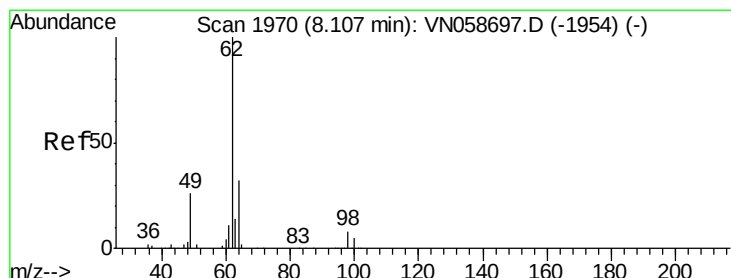
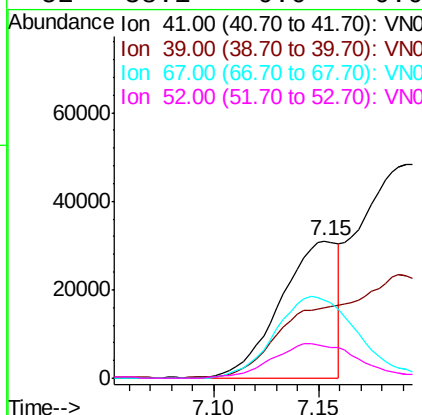
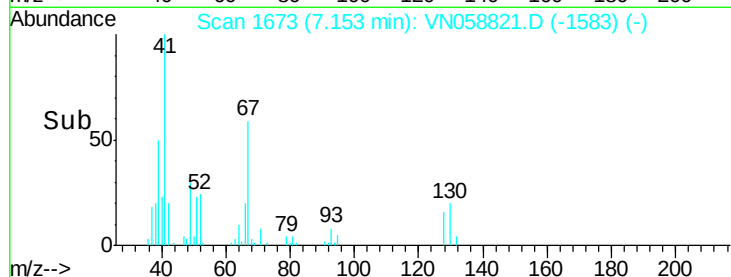
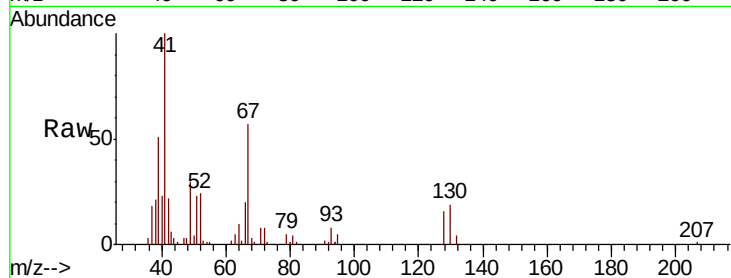
#41
Methacrylonitrile
Concen: 20.569 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	0.0	115.4	173.2#	
67	86.7	0.0	0.0#	
52	38.1	0.0	0.0#	

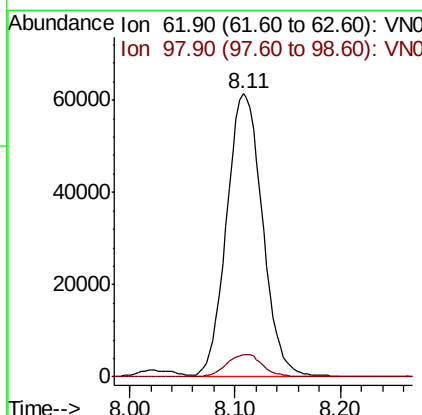
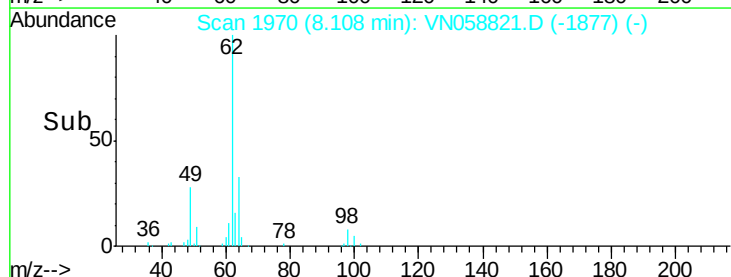
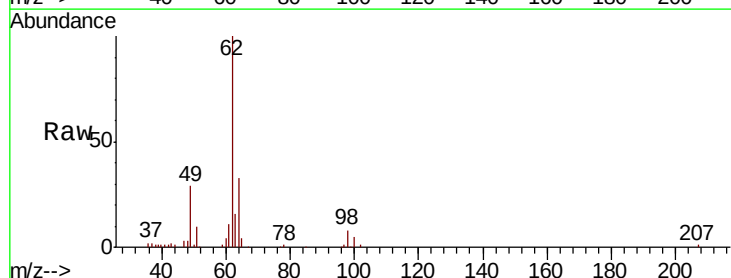
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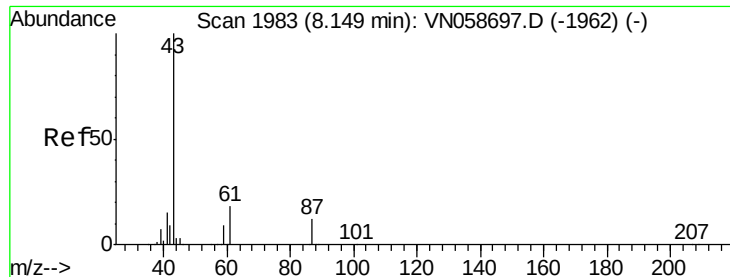
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.619 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	15.8	





#43

Isopropyl Acetate

Concen: 21.688 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

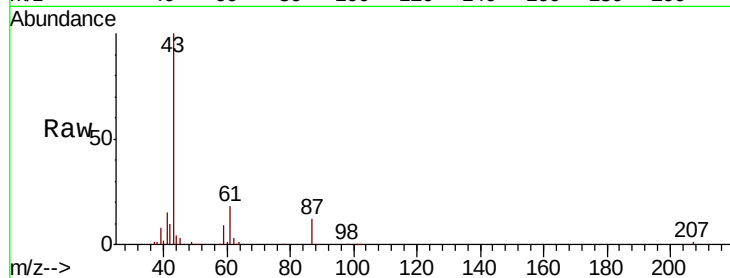
ClientSampleId :

VN1017WBSD01

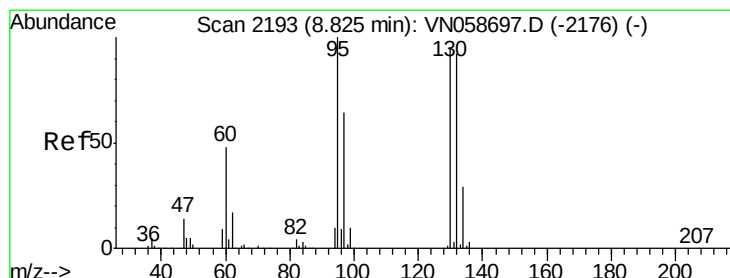
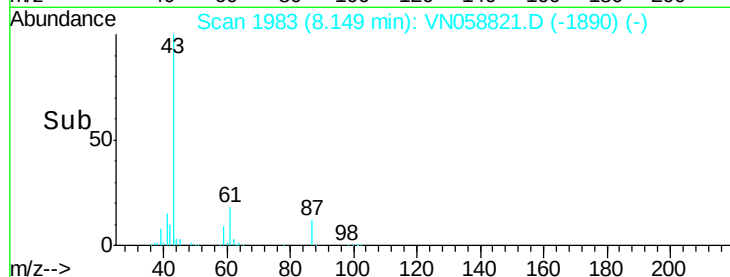
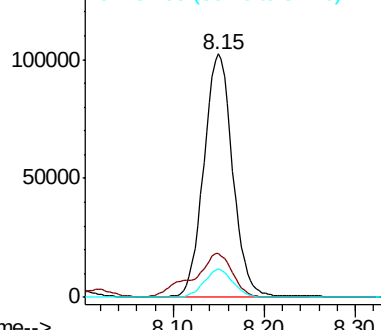
Tot Ion:	43	Resp:	226941
Ion	Ratio	Lower	Upper
43	100		
61	24.1	20.3	30.5
87	11.6	9.8	14.6

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN058821.D (-1890) (-)



#44

Trichloroethene

Concen: 20.708 ug/l

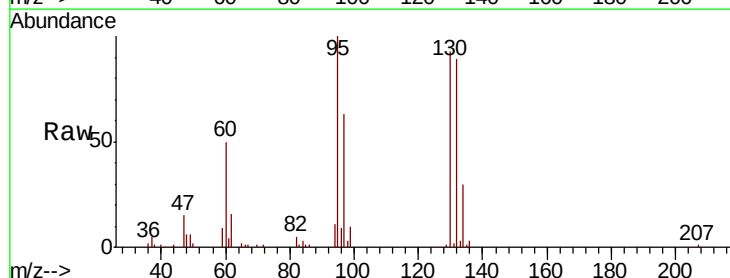
RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

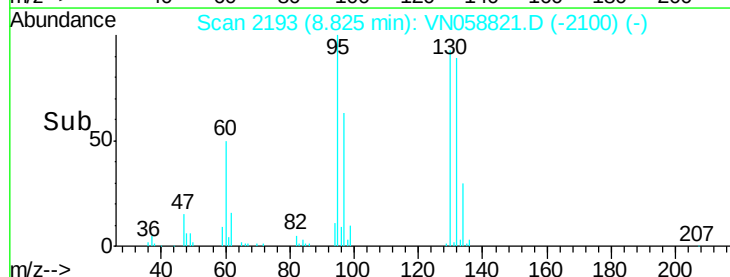
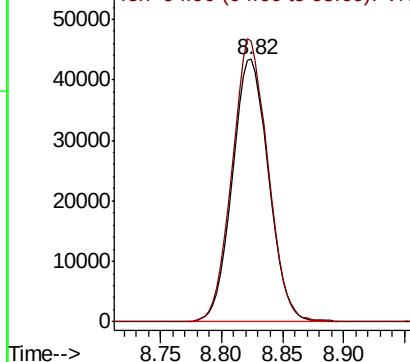
Lab File: VN058821.D

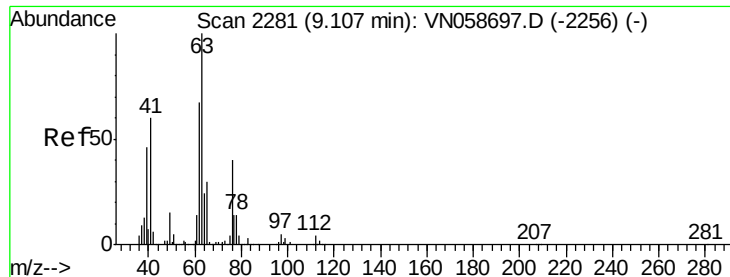
Acq: 17 Oct 2019 12:56

Tgt Ion:	130	Resp:	89700
Ion	Ratio	Lower	Upper
130	100		
95	107.3	0.0	211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058821.D (-2100) (-)





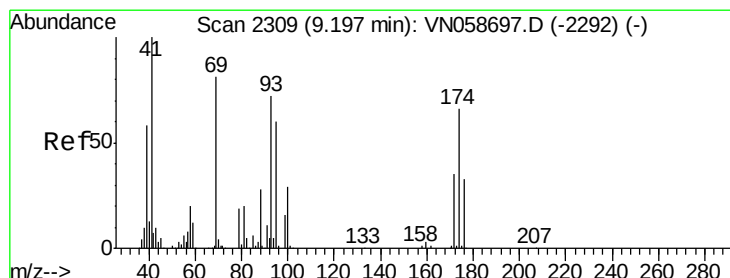
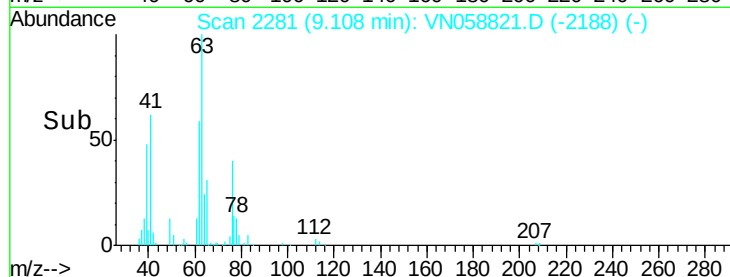
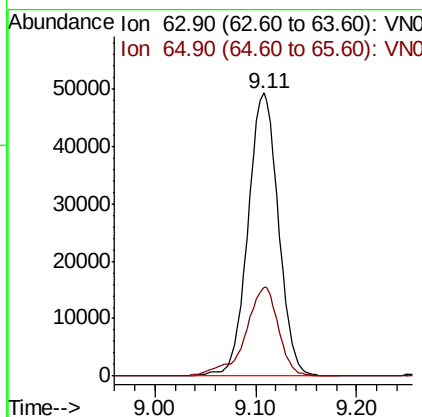
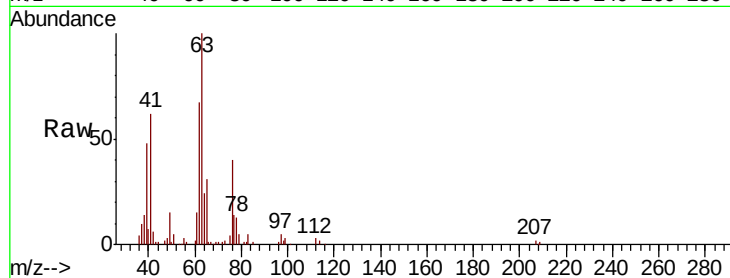
#45
 1,2-Dichloropropane
 Concen: 21.983 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.1	36.1

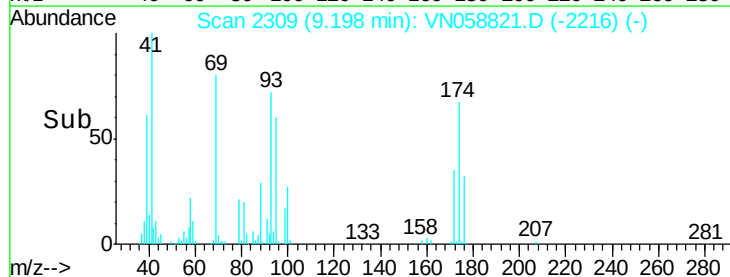
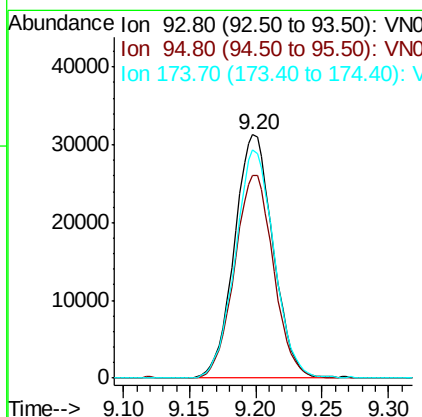
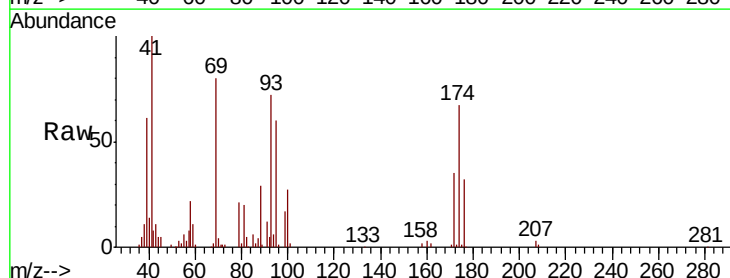
Manual Integrations
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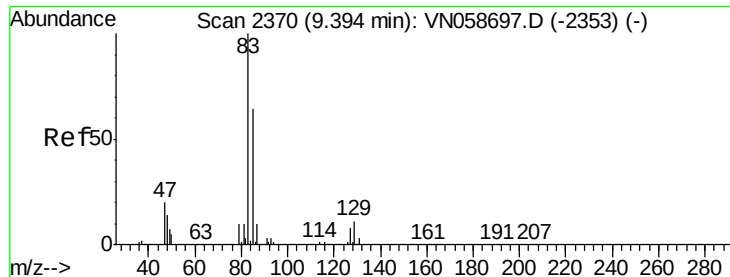
MMDadoda
 10/18/2019 3:26:17 PM



#46
 Dibromomethane
 Concen: 21.431 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.6	100.0
174	94.0	75.2	112.8





#47

Bromodichloromethane

Concen: 21.896 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

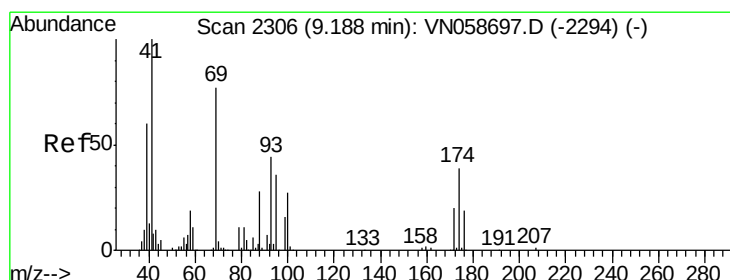
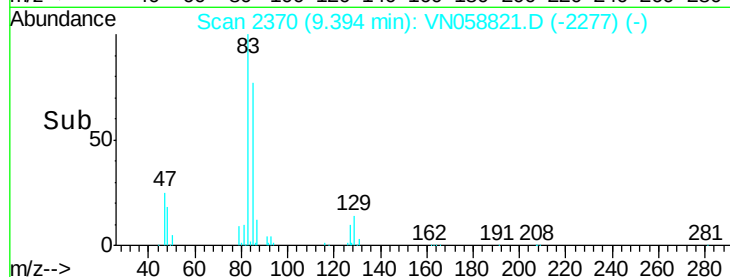
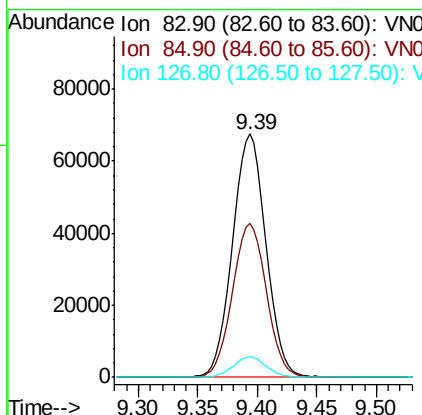
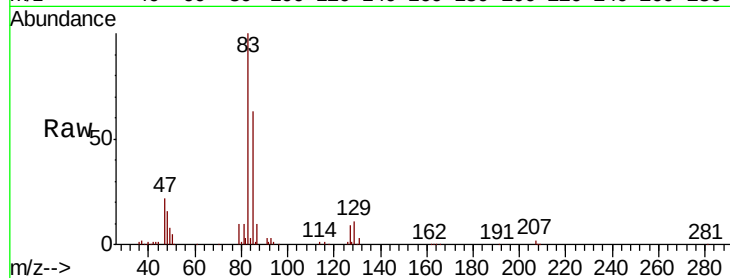
ClientSampleId :

VN1017WBSD01

Tot Ion:	83	Resp:	132001
Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.9	76.3
127	8.6	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.520 ug/l

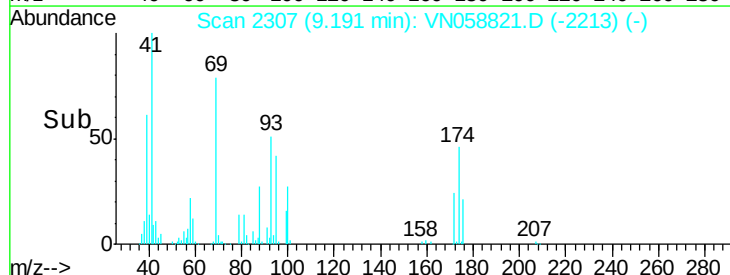
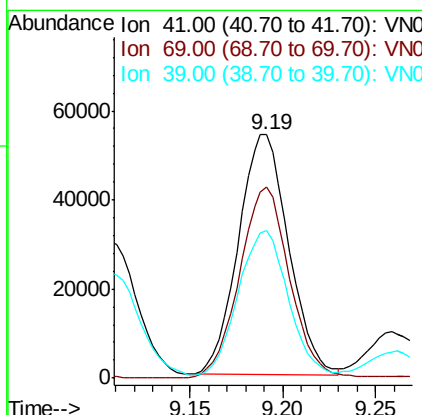
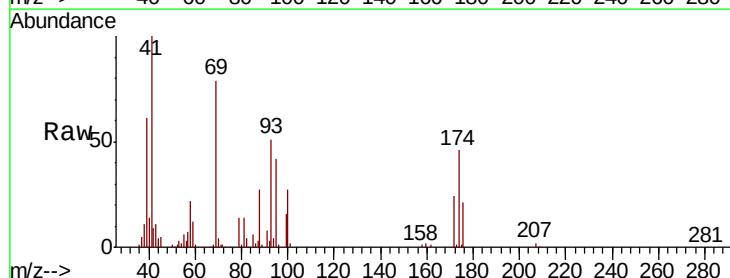
RT: 9.19 min Scan# 2307

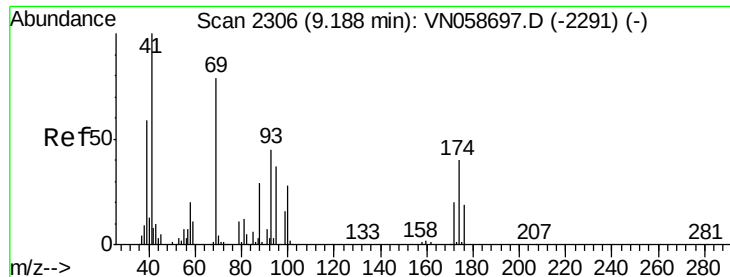
Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Tgt Ion:	41	Resp:	102073
Ion	Ratio	Lower	Upper
41	100		
69	79.5	63.4	95.2
39	61.3	48.9	73.3





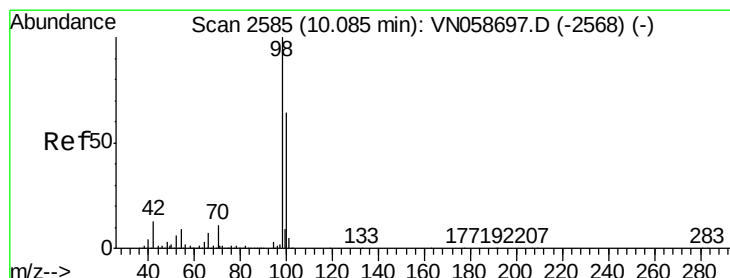
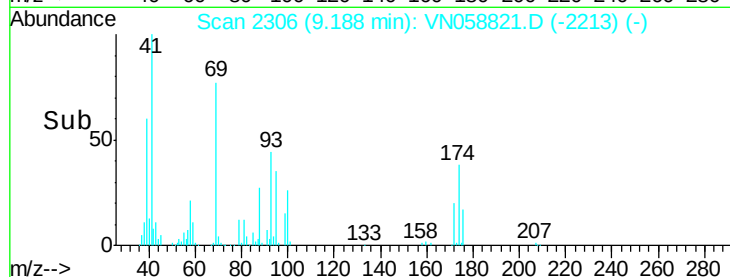
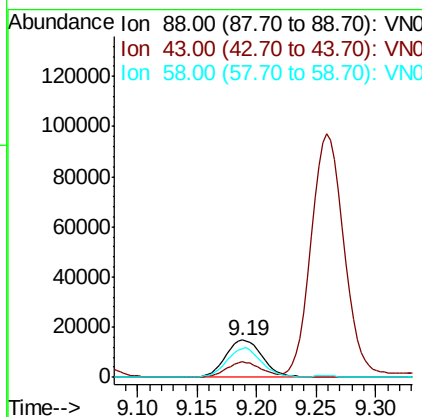
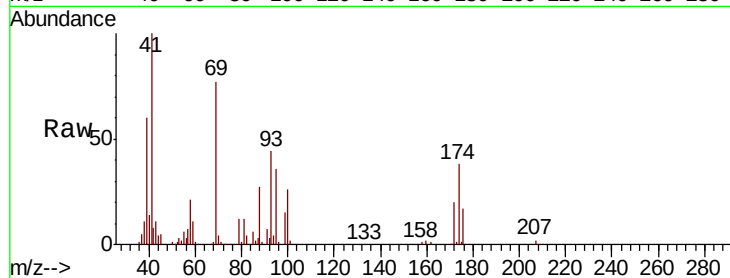
#49
1,4-Dioxane
Concen: 441.493 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.3	28.6	43.0
58	74.2	57.2	85.8

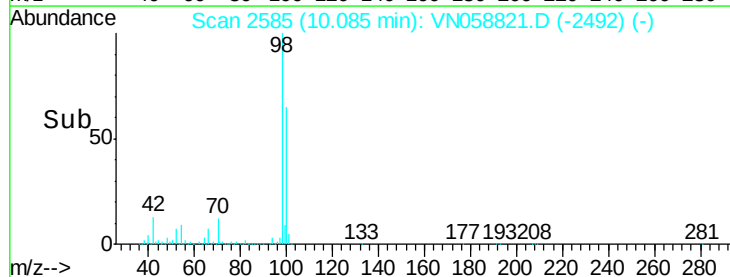
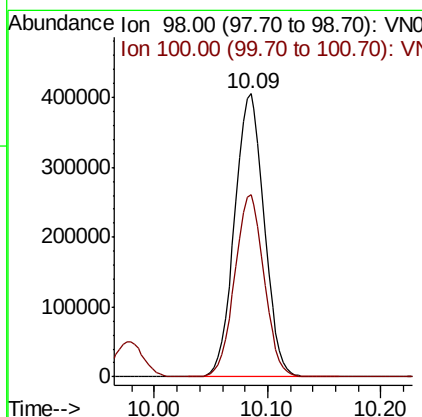
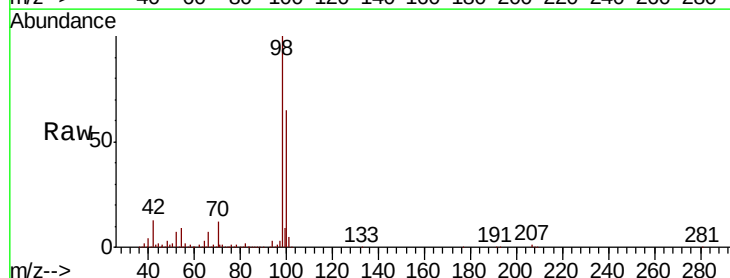
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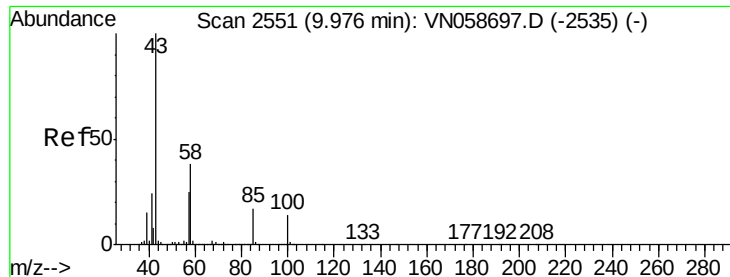
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#50
Toluene-d8
Concen: 49.800 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.1	76.7





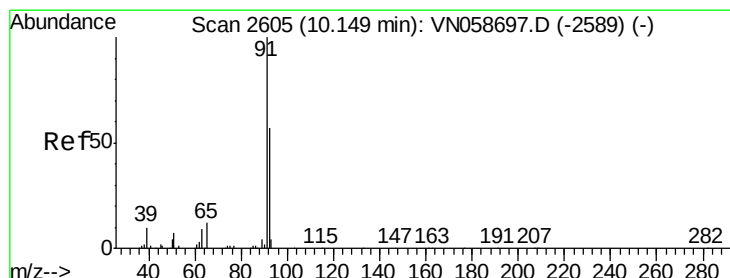
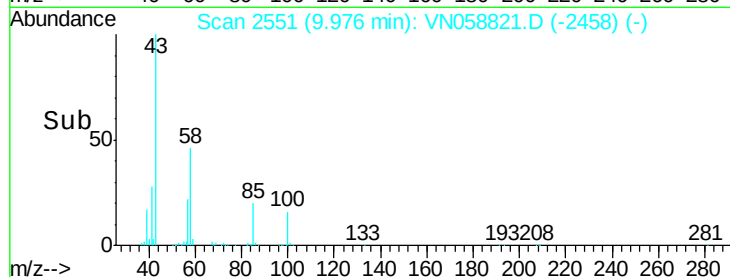
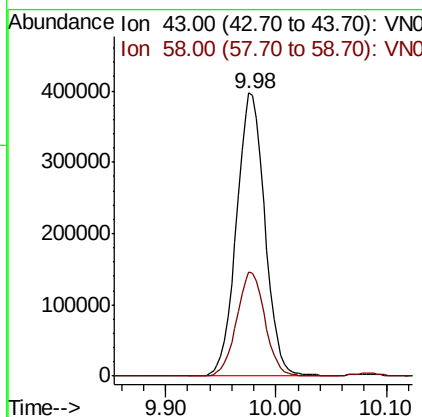
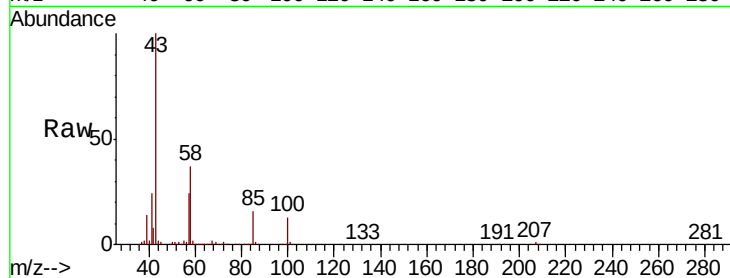
#51
4-Methyl-2-Pentanone
Concen: 120.140 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.6	30.3	45.5

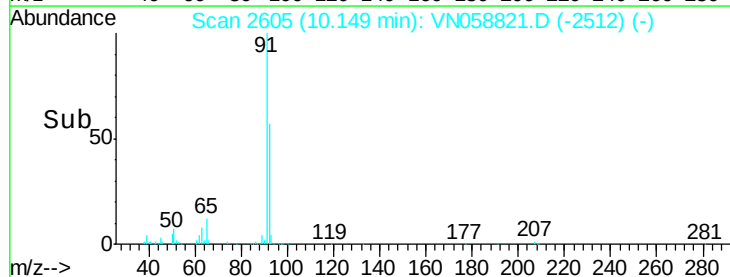
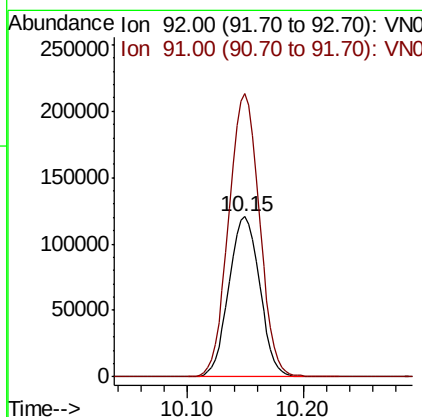
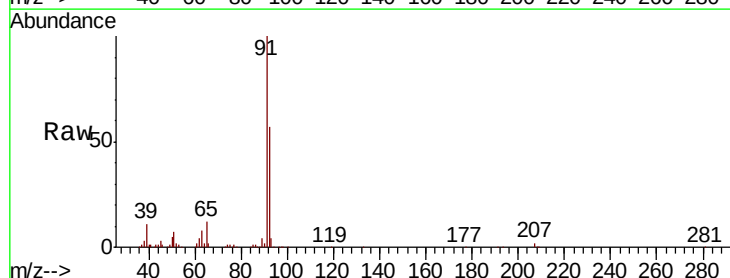
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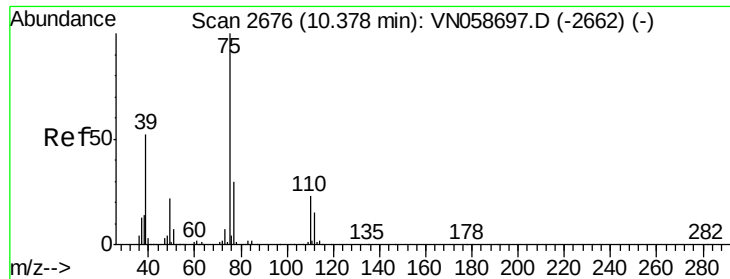
MMDadoda
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#52
Toluene
Concen: 20.869 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.3	139.1	208.7





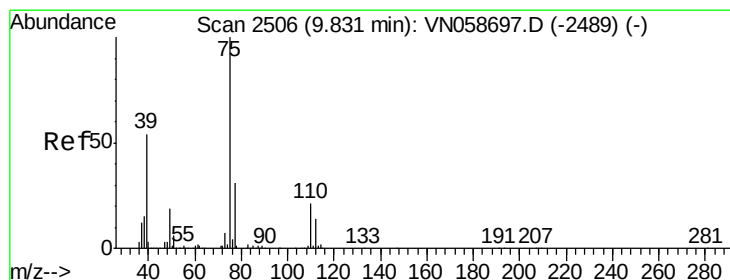
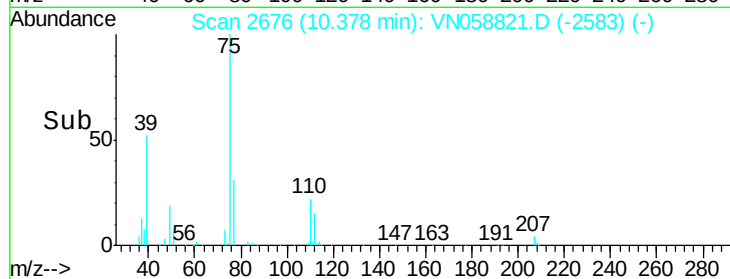
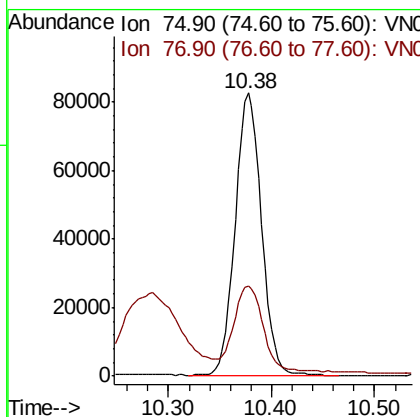
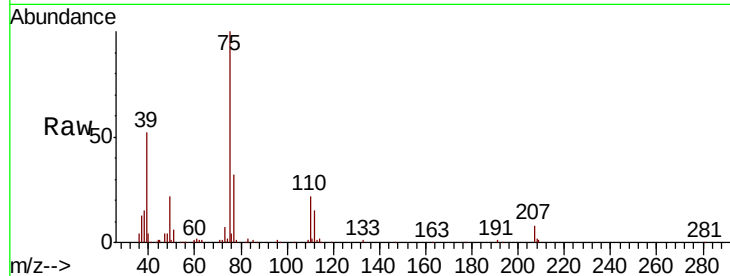
#53
t-1,3-Dichloropropene
Concen: 21.088 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBSD01

Tot Ion: 75 Resp: 145814
Ion Ratio Lower Upper
75 100
77 30.2 26.2 39.4

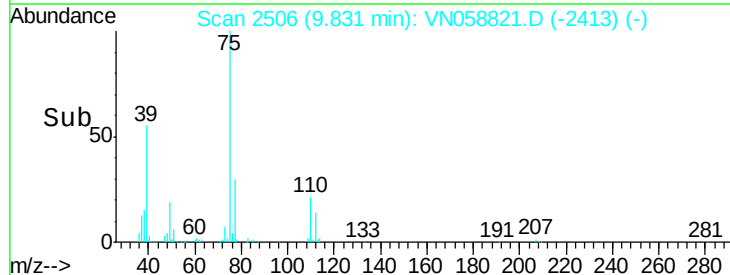
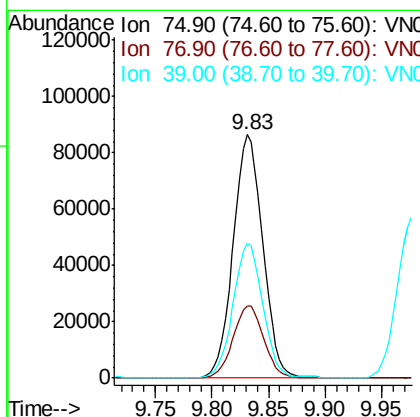
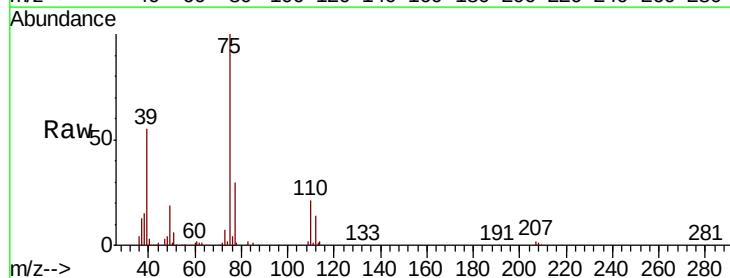
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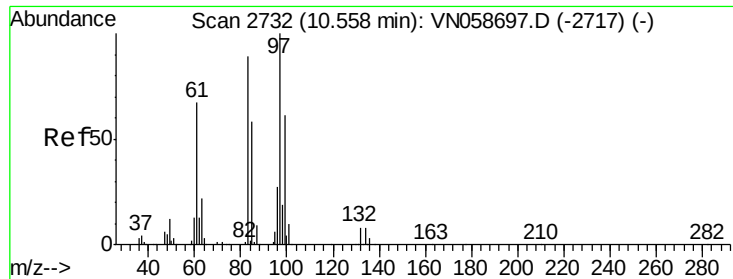
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.539 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion: 75 Resp: 158125
Ion Ratio Lower Upper
75 100
77 29.8 24.4 36.6
39 55.2 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 20.791 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

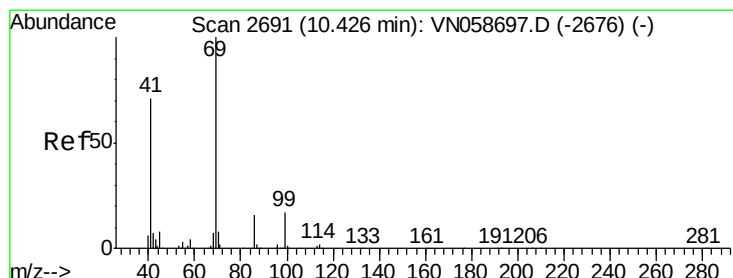
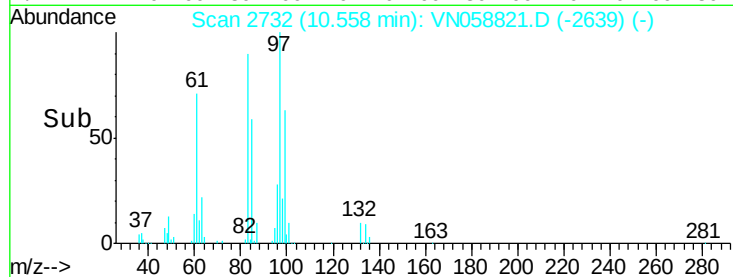
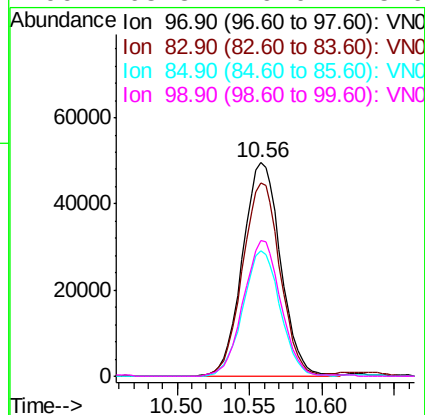
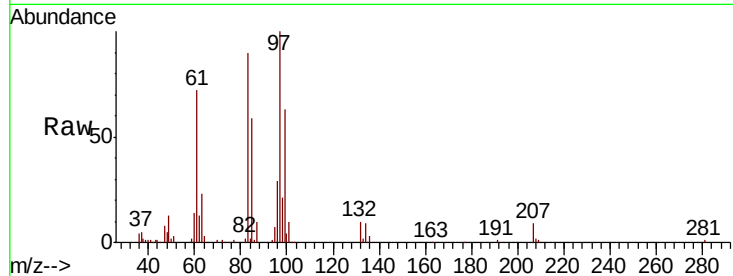
ClientSampleId :

VN1017WBSD01

Tot Ion:	97	Resp:	90783
Ion	Ratio	Lower	Upper
97	100		
83	90.4	71.2	106.8
85	58.9	46.7	70.1
99	63.3	49.0	73.6

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.995 ug/l

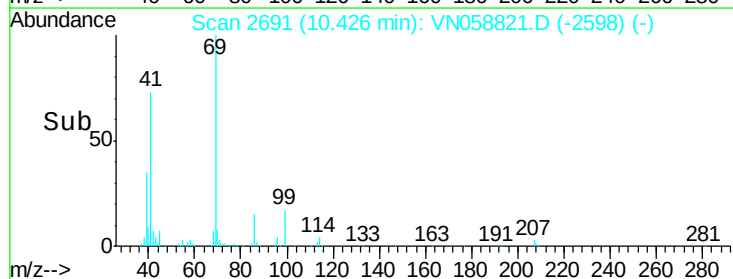
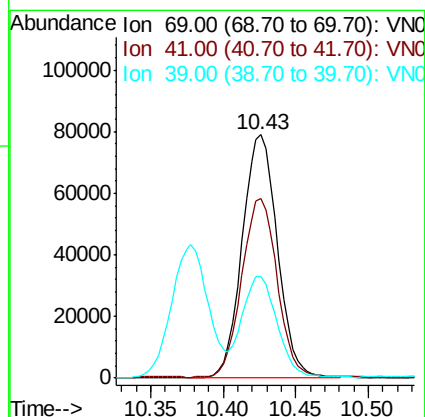
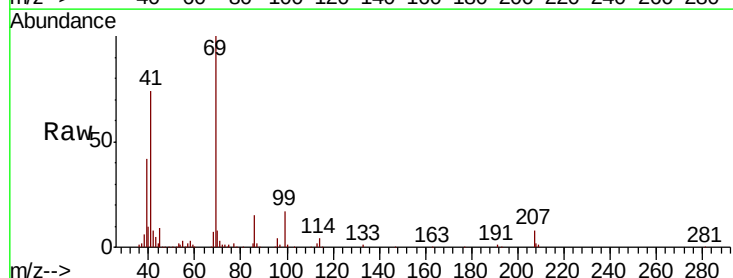
RT: 10.43 min Scan# 2691

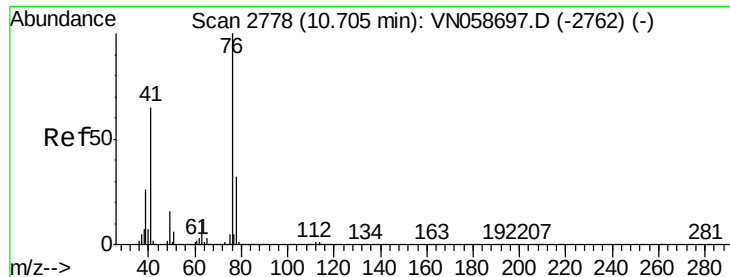
Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Tgt Ion:	69	Resp:	133932
Ion	Ratio	Lower	Upper
69	100		
41	73.4	56.8	85.2
39	41.2	32.5	48.7





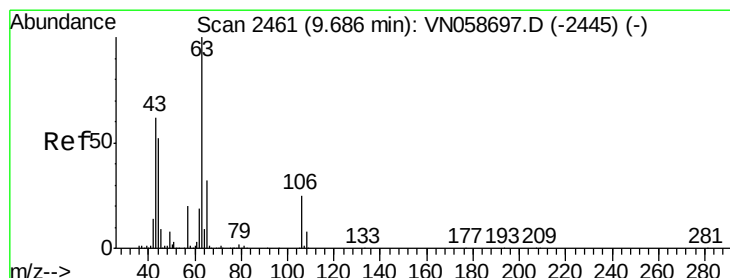
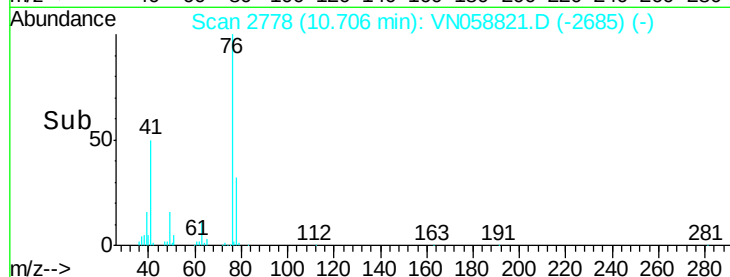
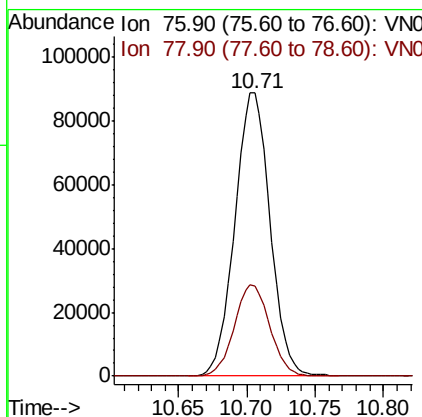
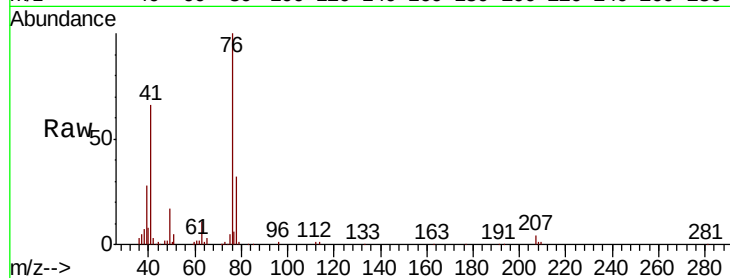
#57
 1,3-Dichloropropane
 Concen: 21.407 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9

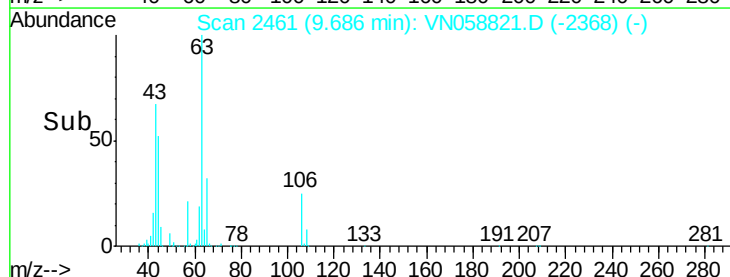
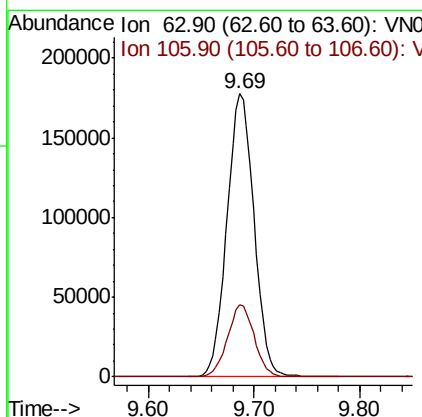
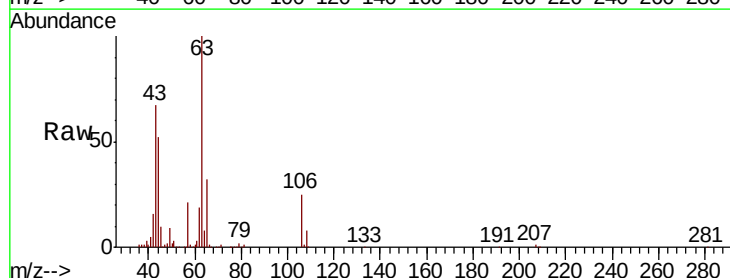
Manual Integrations
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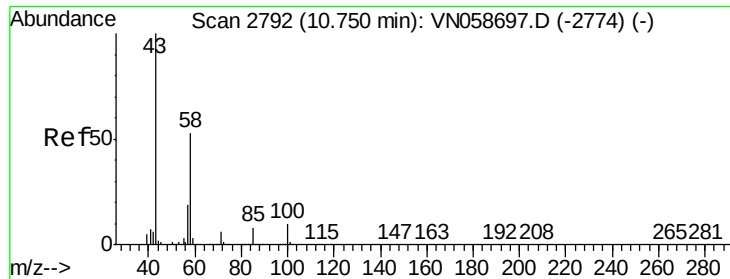
MMDadoda
 10/18/2019 3:26:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.653 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.2	20.0	30.0





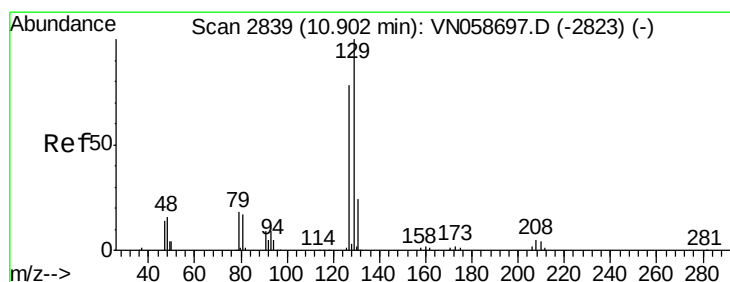
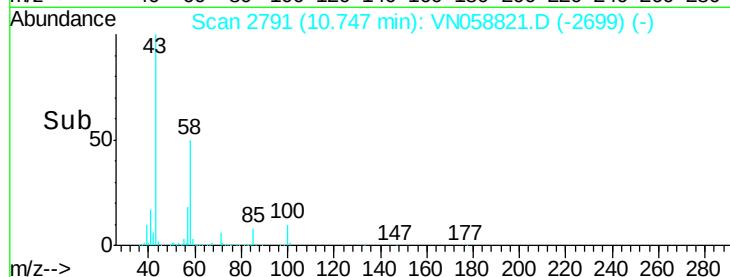
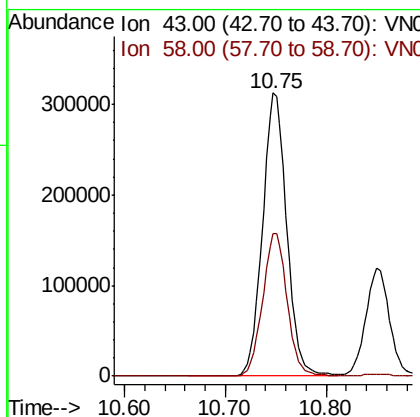
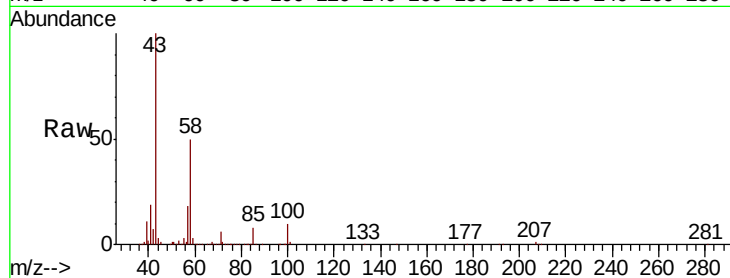
#59
2-Hexanone
Concen: 114.705 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBSD01

Tot Ion: 43 Resp: 520923
Ion Ratio Lower Upper
43 100
58 51.0 26.1 78.3

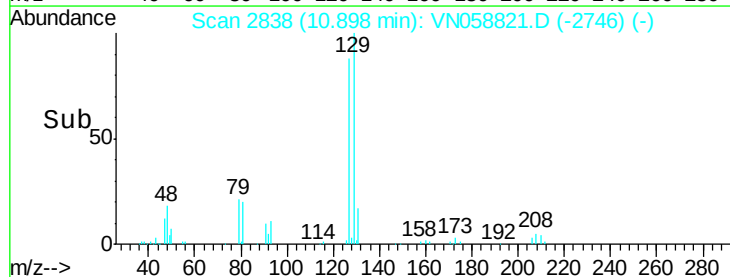
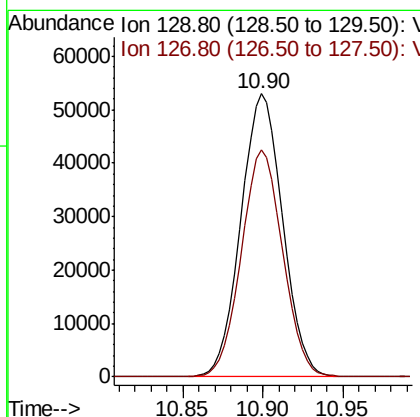
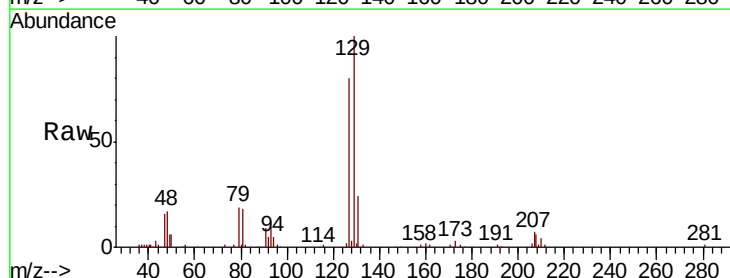
Manual Integrations
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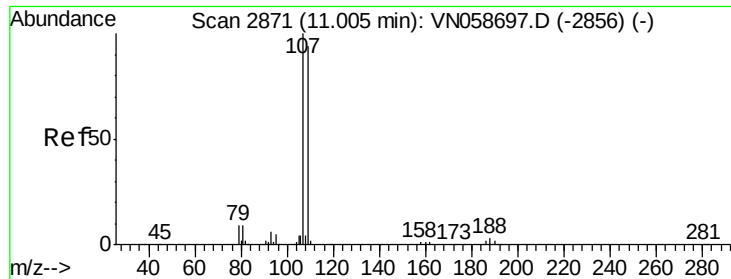
MMDadoda
10/18/2019 3:26:17 PM



#60
Dibromochloromethane
Concen: 21.043 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion: 129 Resp: 94787
Ion Ratio Lower Upper
129 100
127 79.3 38.5 115.3





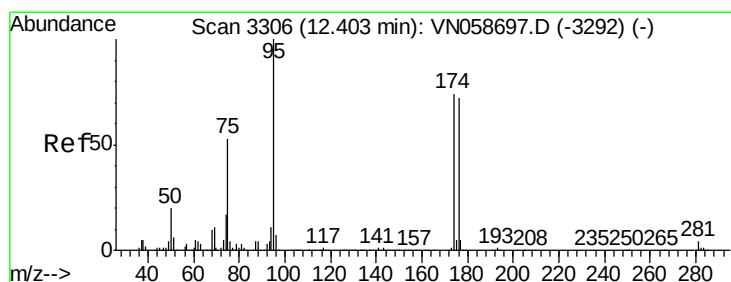
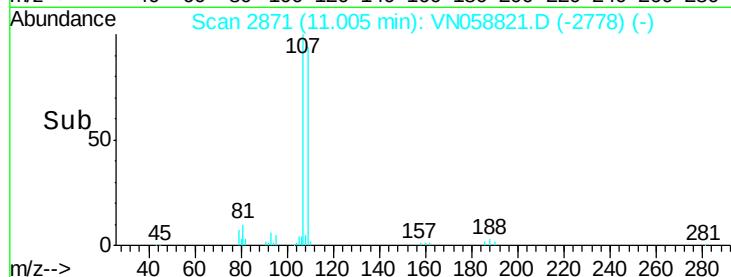
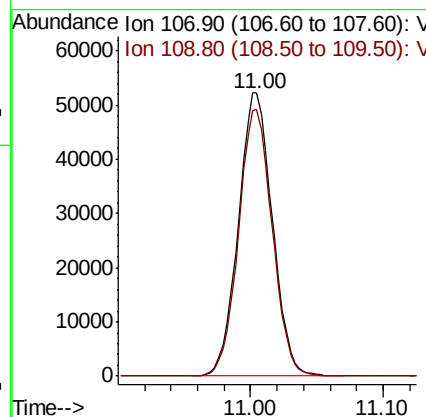
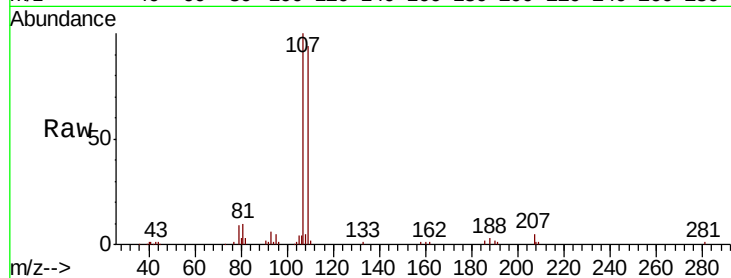
#61
 1,2-Dibromoethane
 Concen: 21.223 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBSD01

Tot Ion: 107 Resp: 92843
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.4 113.0

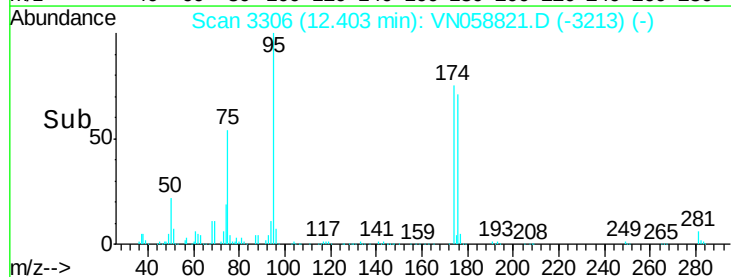
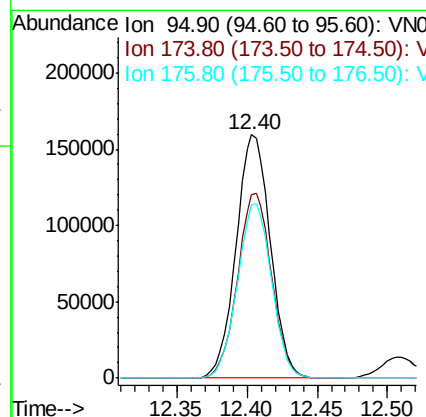
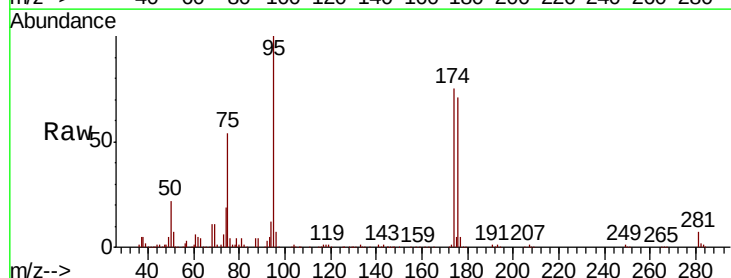
Manual Integrations
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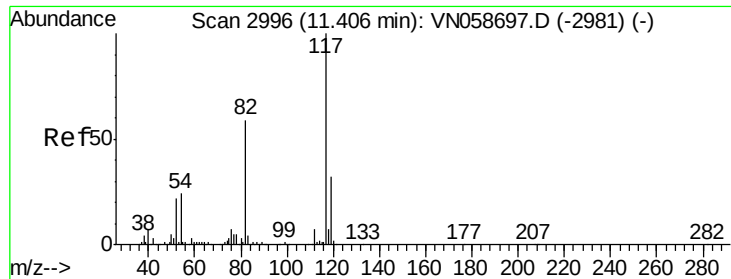
MMDadoda
 10/18/2019 3:26:17 PM



#62
 4-Bromofluorobenzene
 Concen: 48.399 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Tgt Ion: 95 Resp: 271824
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 150.4
 176 71.6 0.0 146.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

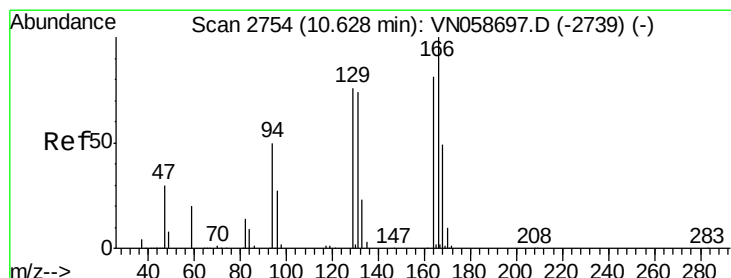
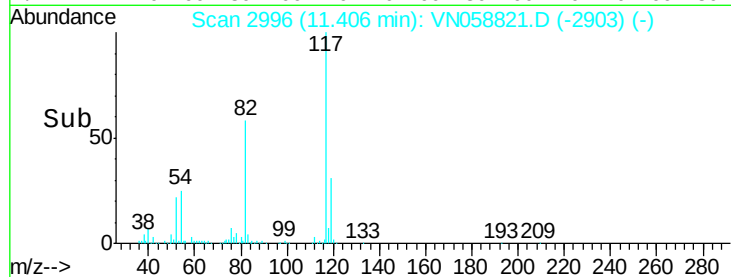
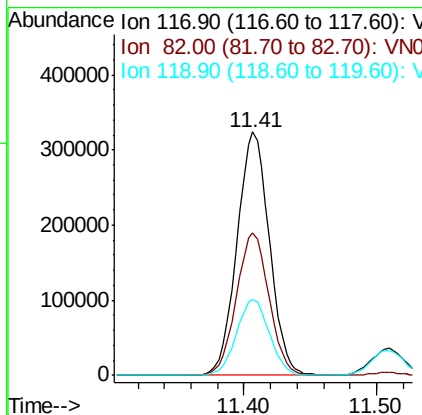
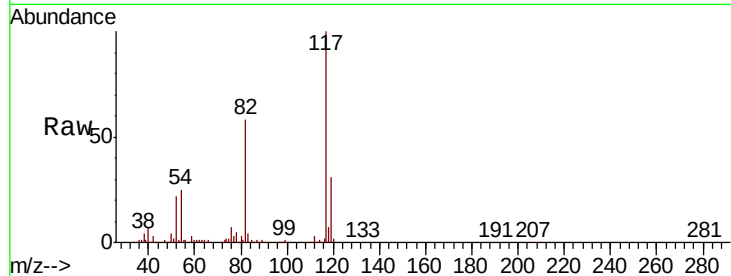
ClientSampleId :

VN1017WBSD01

Tot Ion:	117	Resp:	549553
Ion Ratio	Lower	Upper	
117	100		
82	58.5	47.0	70.4
119	31.3	25.4	38.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 21.009 ug/l

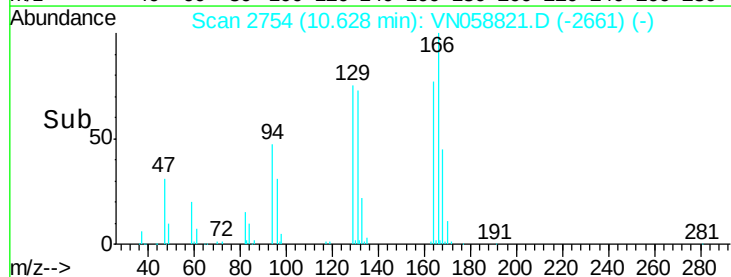
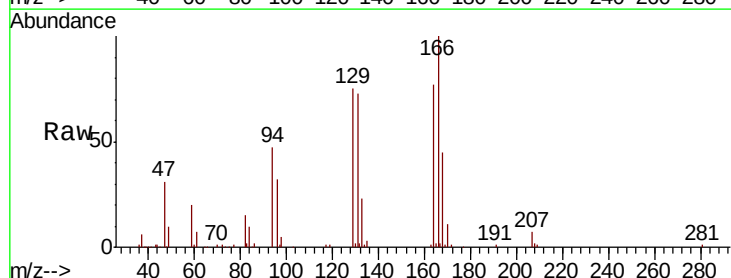
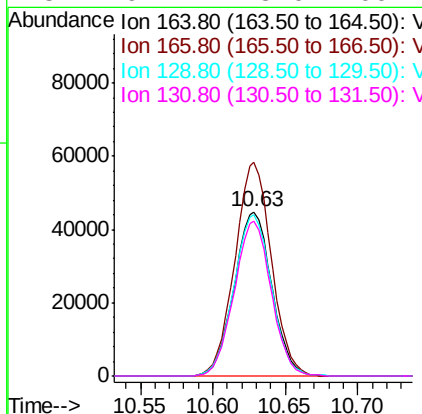
RT: 10.63 min Scan# 2754

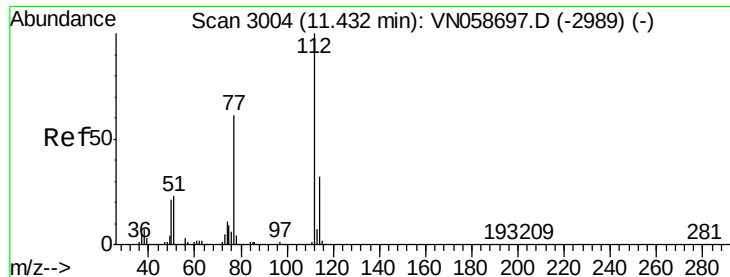
Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Tgt Ion:	164	Resp:	80800
Ion Ratio	Lower	Upper	
164	100		
166	129.9	99.3	148.9
129	98.0	75.2	112.8
131	94.4	73.0	109.4





#65

Chlorobenzene

Concen: 20.981 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1017WBSD01

Tot Ion:112 Resp: 234153

Ion Ratio Lower Upper

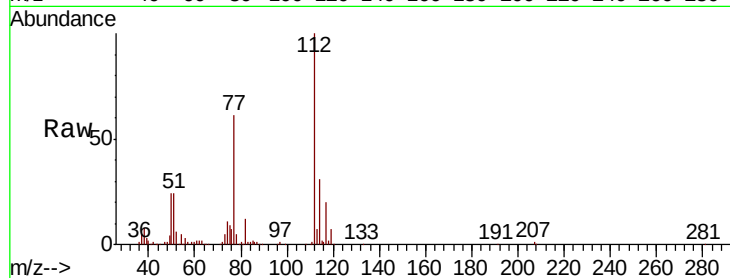
112 100

114 31.4 25.2 37.8

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

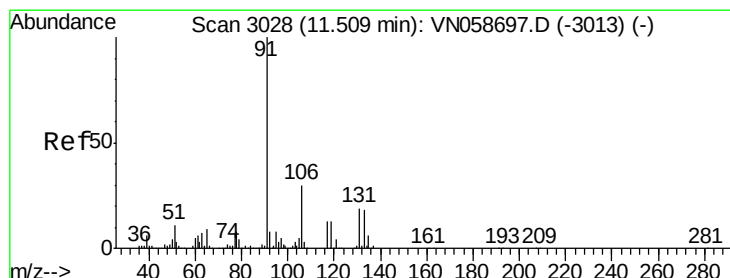
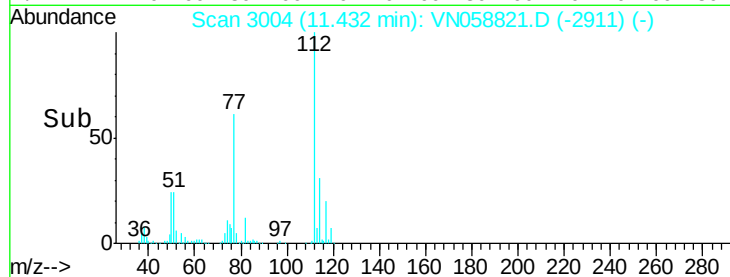
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.415 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

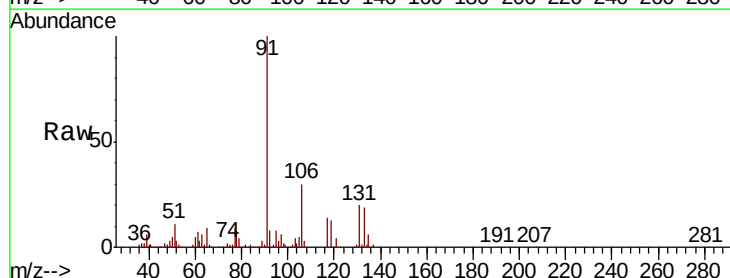
Tgt Ion:131 Resp: 88376

Ion Ratio Lower Upper

131 100

133 97.6 47.6 142.9

119 66.7 33.0 98.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

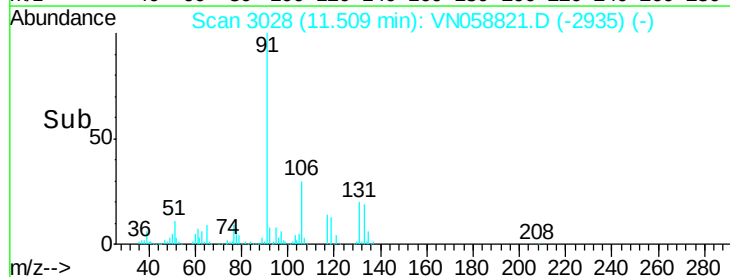
60000

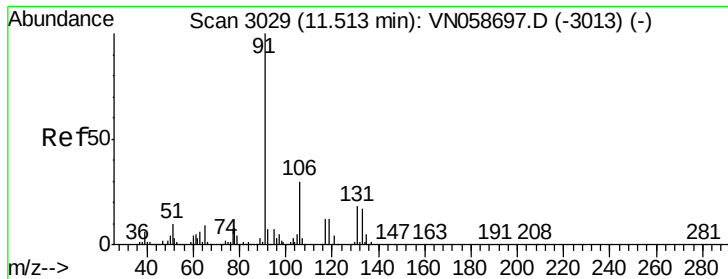
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 21.378 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1017WBSD01

Tot Ion: 91 Resp: 425298

Ion Ratio Lower Upper

91 100

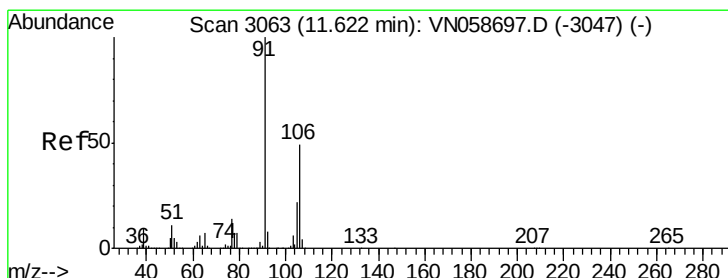
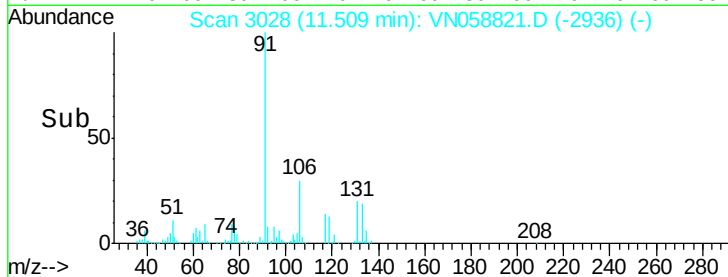
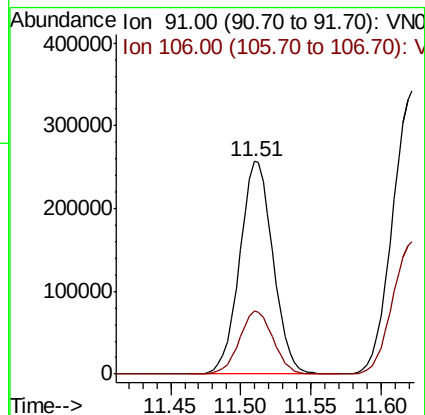
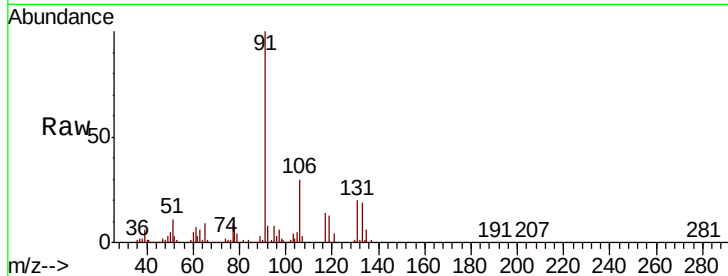
106 29.7 24.1 36.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.221 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058821.D

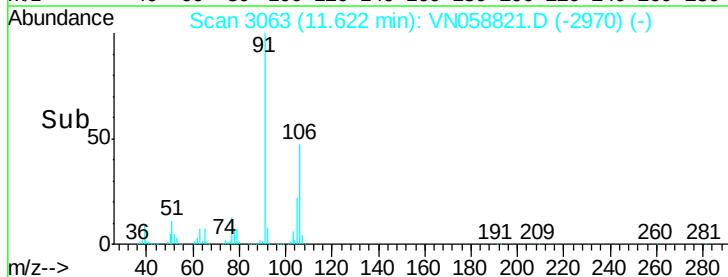
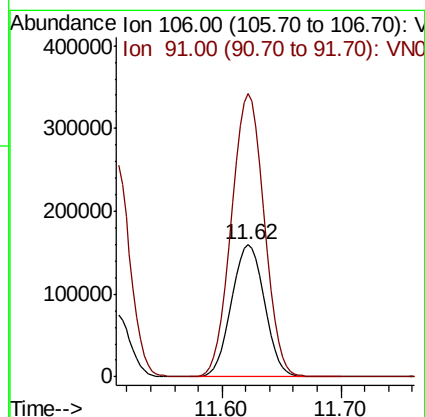
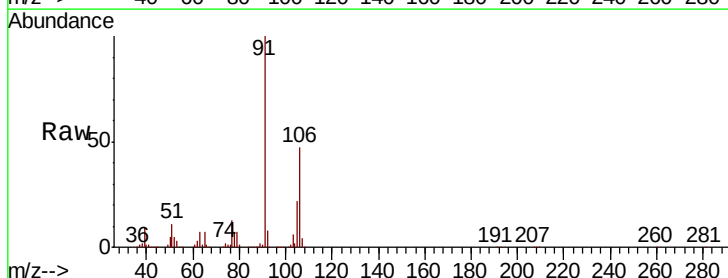
Acq: 17 Oct 2019 12:56

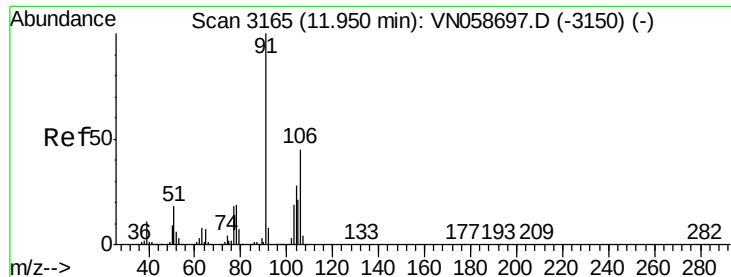
Tgt Ion: 106 Resp: 307742

Ion Ratio Lower Upper

106 100

91 212.3 165.7 248.5





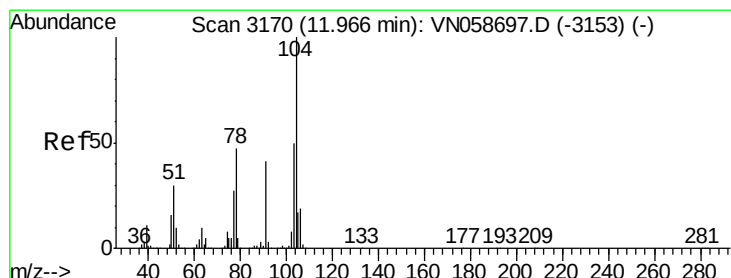
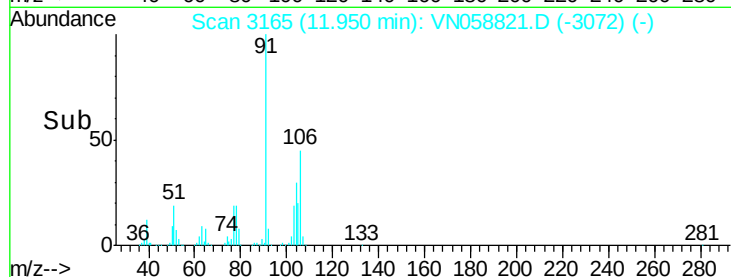
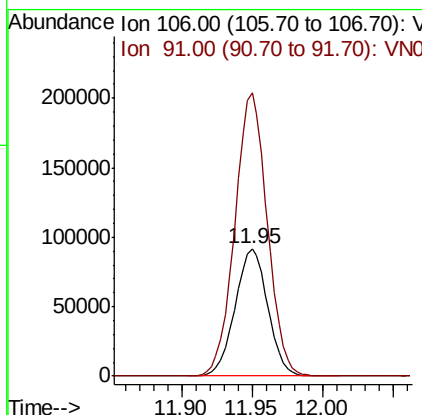
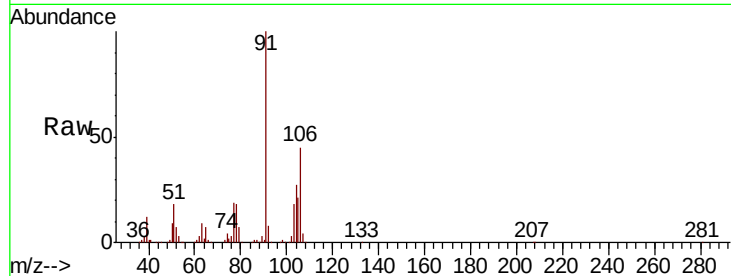
#69
o-Xylene
Concen: 20.628 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	149004		
91	91	220.6	110.9	332.9	

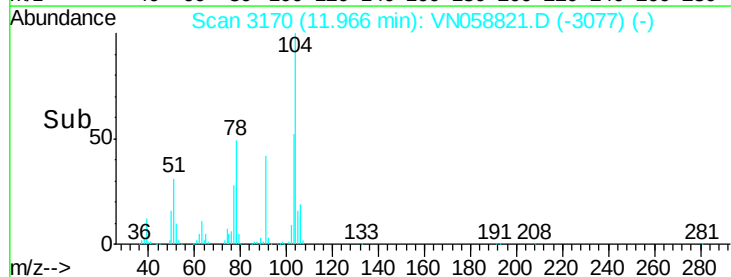
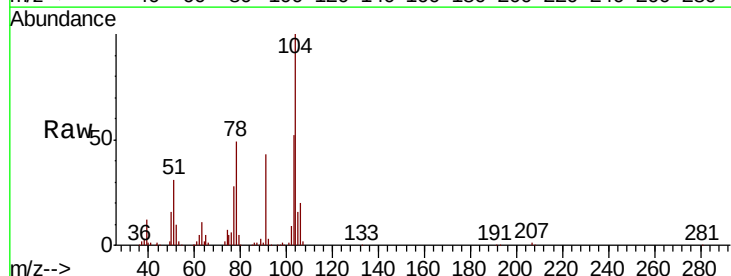
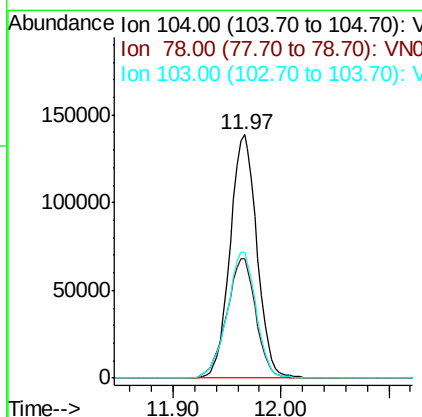
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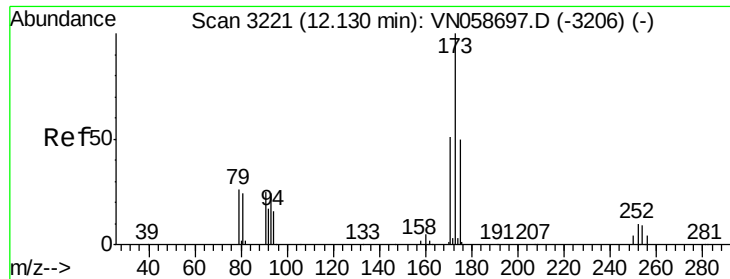
MMDadoda
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#70
Styrene
Concen: 20.242 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	239648		
78	78	53.5	42.2	63.2	
103	103	55.9	43.7	65.5	





#71

Bromoform

Concen: 22.177 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1017WBSD01

Tot Ion:173 Resp: 67083

Ion Ratio Lower Upper

173 100

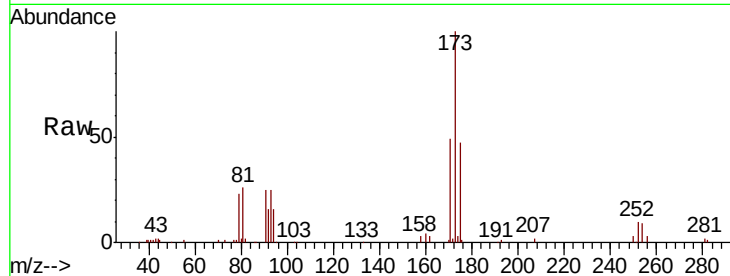
175 48.4 24.6 73.8

254 0.0 0.1 0.1#

Manual Integrations
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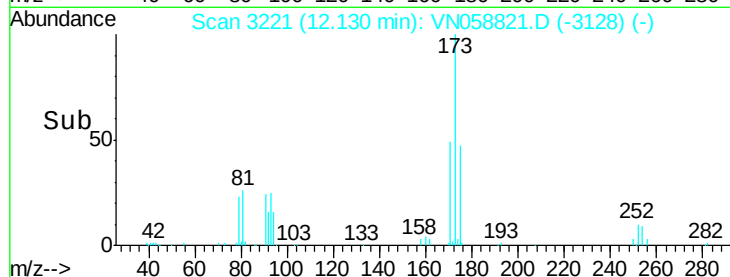


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

Time-->



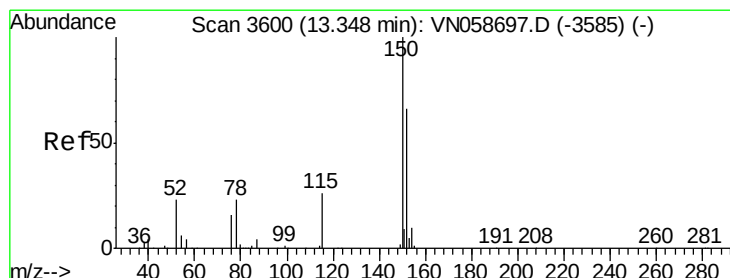
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

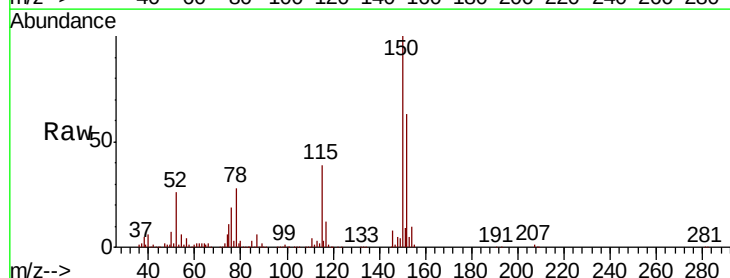
Tgt Ion:152 Resp: 256108

Ion Ratio Lower Upper

152 100

115 61.0 30.4 91.2

150 164.2 0.0 345.4

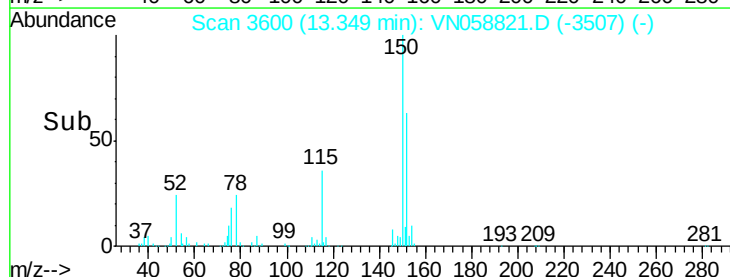


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->



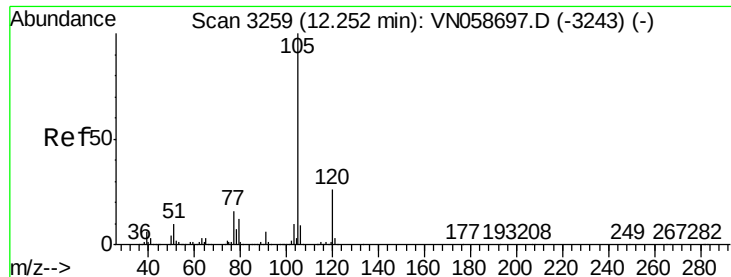
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->



#73

Isopropylbenzene

Concen: 22.038 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1017WBSD01

Tot Ion: 105 Resp: 408761

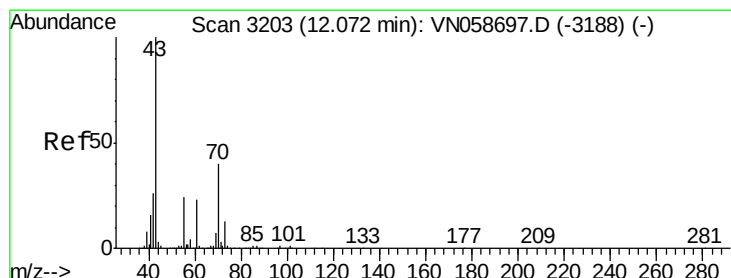
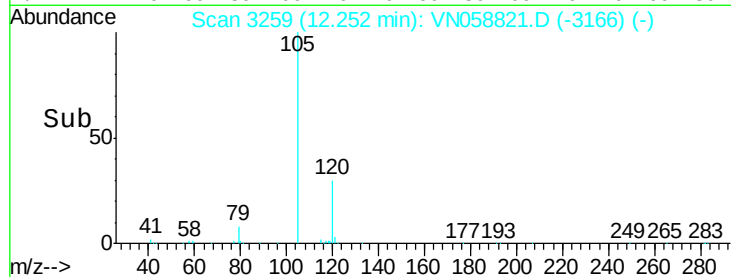
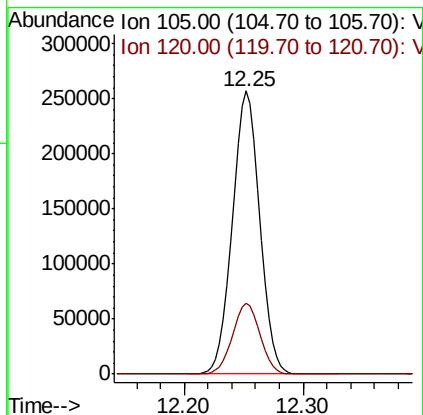
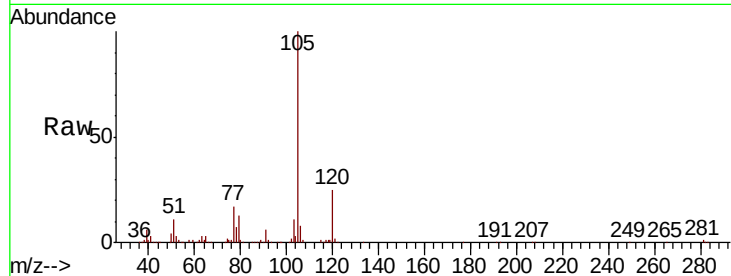
Ion Ratio Lower Upper

105 100

120 25.3 13.1 39.1

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#74

N-ethyl acetate

Concen: 21.960 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Tgt Ion: 43 Resp: 182936

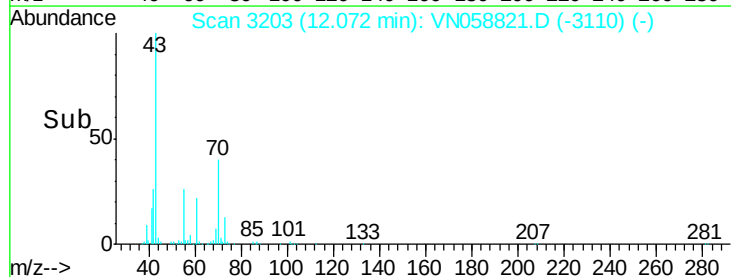
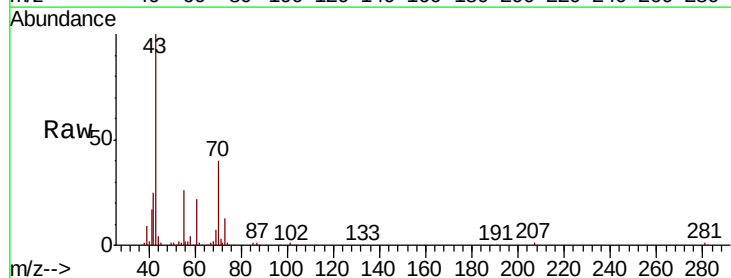
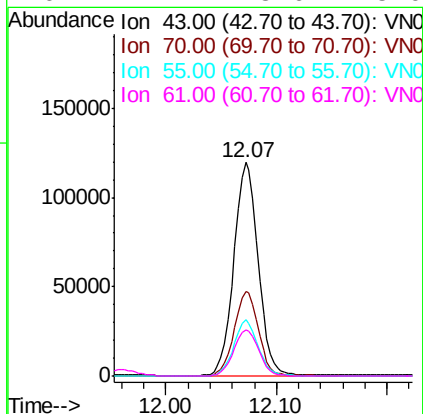
Ion Ratio Lower Upper

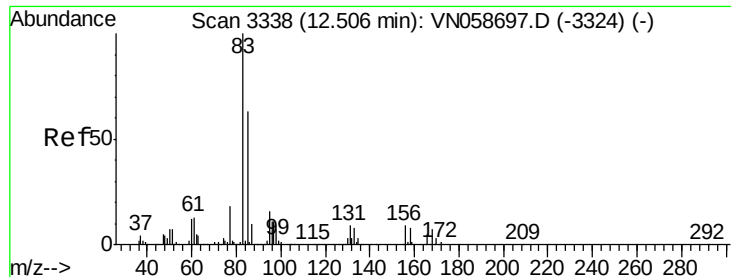
43 100

70 39.6 32.2 48.4

55 26.3 19.6 29.4

61 22.2 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.934 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

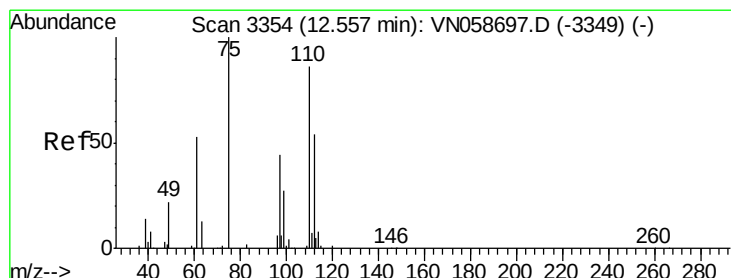
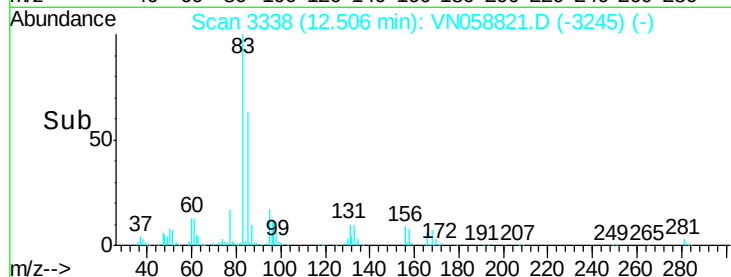
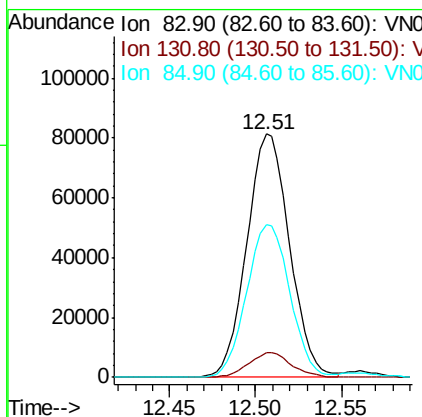
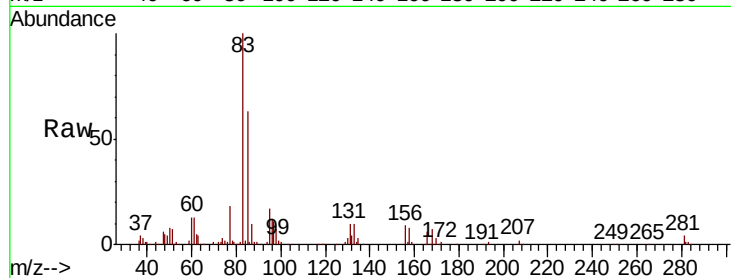
ClientSampleId :

VN1017WBSD01

Tot Ion:	83	Resp:	140131
Ion Ratio		Lower	Upper
83	100		
131	10.1	4.8	14.4
85	63.4	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 22.231 ug/l m

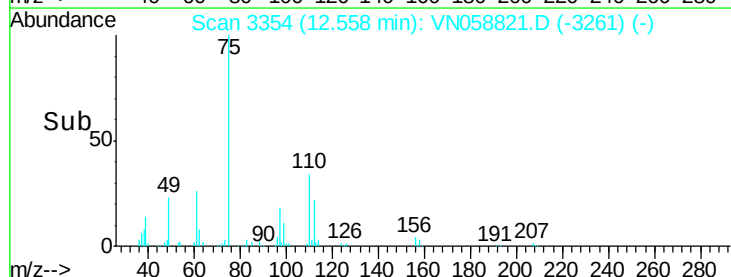
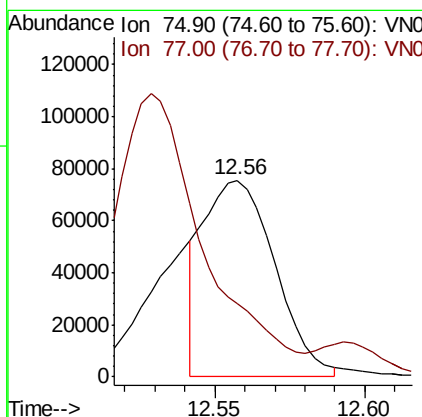
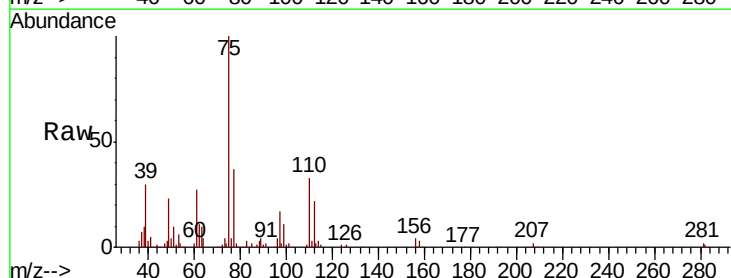
RT: 12.56 min Scan# 3354

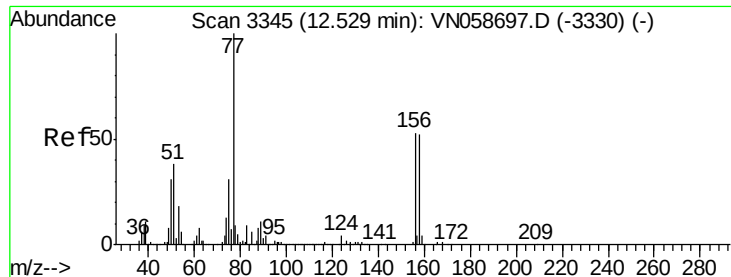
Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Tgt Ion:	75	Resp:	124903
Ion Ratio		Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.396 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

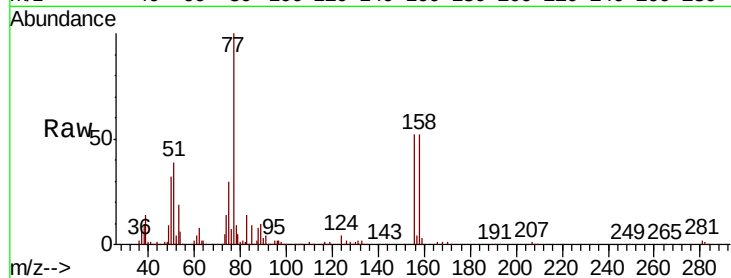
ClientSampleId :

VN1017WBSD01

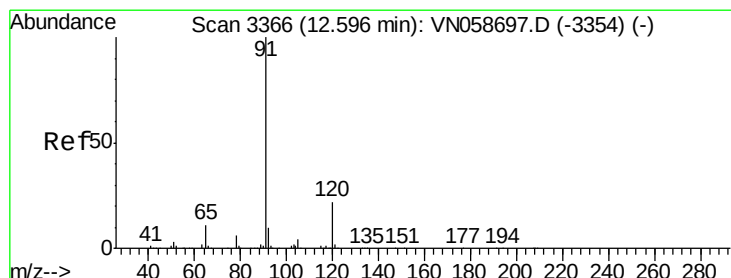
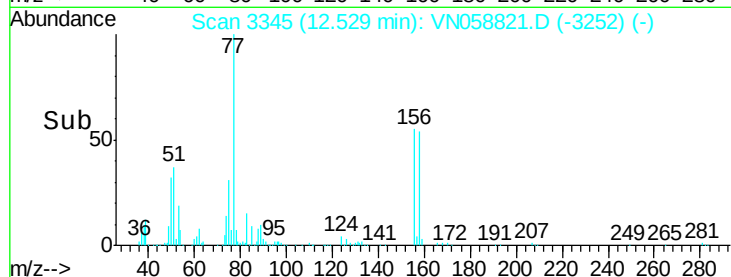
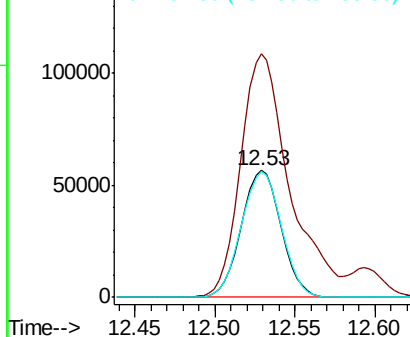
Tot Ion:	156	Resp:	96526
Ion	Ratio	Lower	Upper
156	100		
77	235.3	115.8	347.3
158	99.8	48.9	146.6

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.799 ug/l

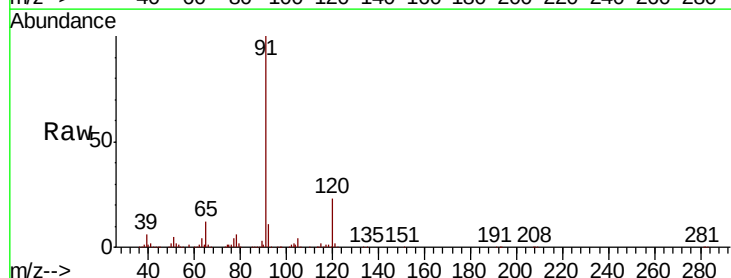
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

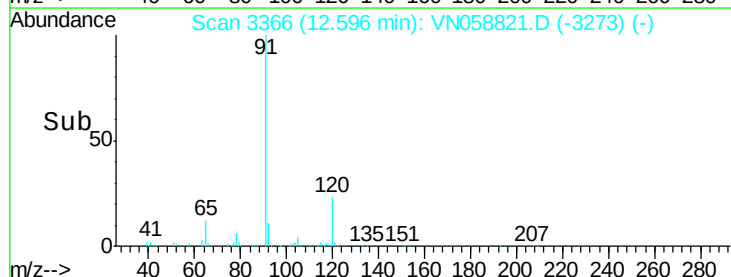
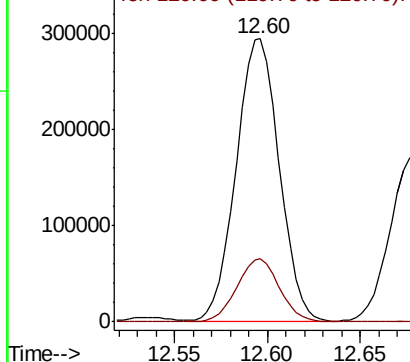
Lab File: VN058821.D

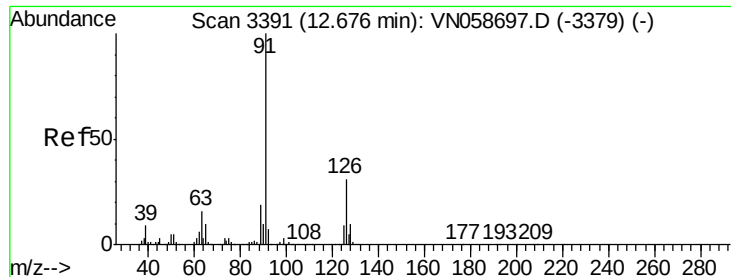
Acq: 17 Oct 2019 12:56

Tgt Ion:	91	Resp:	471154
Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.052 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1017WBSD01

Tot Ion: 91 Resp: 282414

Ion Ratio Lower Upper

91 100

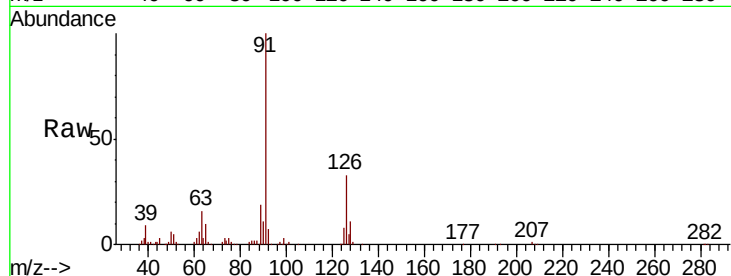
126 32.5 16.2 48.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058697.D (-3379) (-)

250000

200000

150000

100000

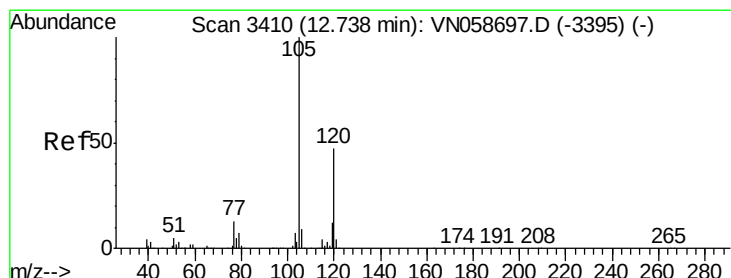
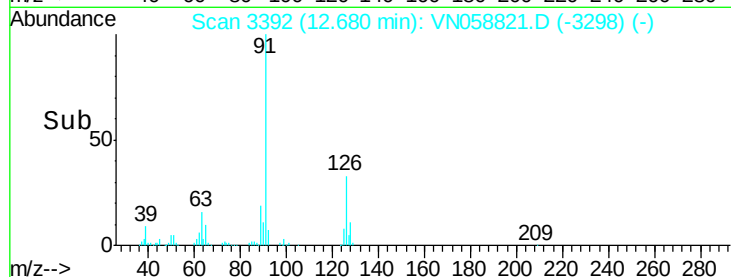
50000

0

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.674 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058821.D

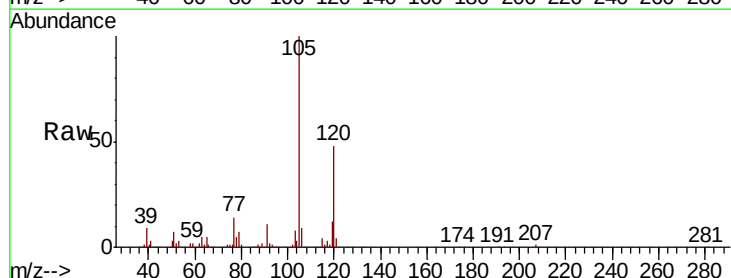
Acq: 17 Oct 2019 12:56

Tgt Ion: 105 Resp: 343204

Ion Ratio Lower Upper

105 100

120 47.6 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN058697.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN058697.D (-3395) (-)

250000

200000

150000

100000

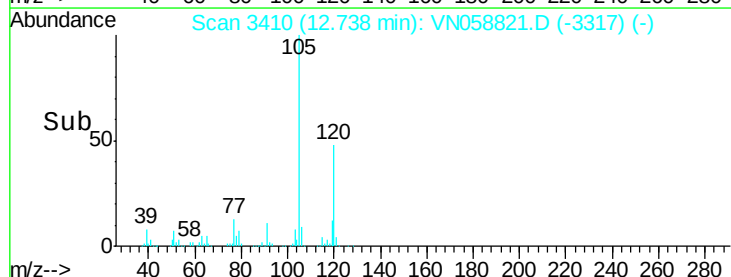
50000

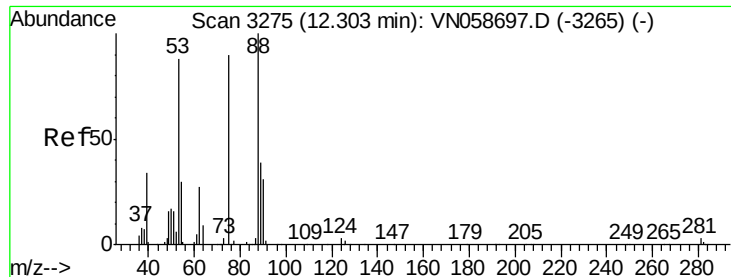
0

12.70

12.75

Time-->





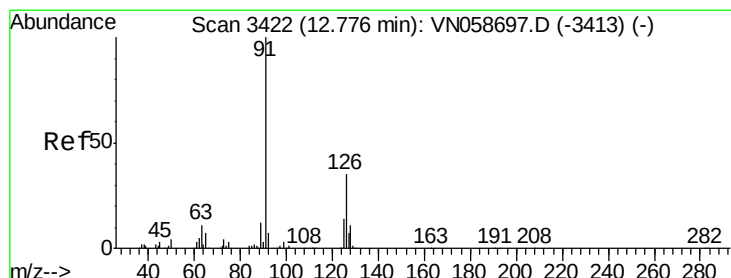
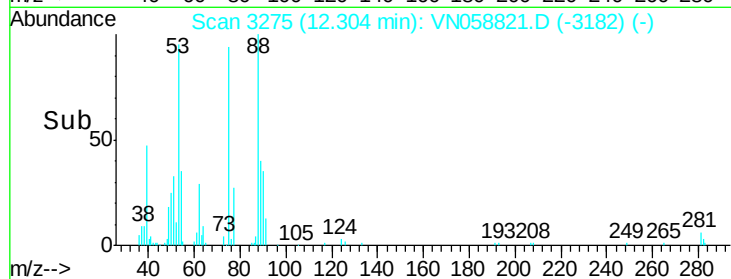
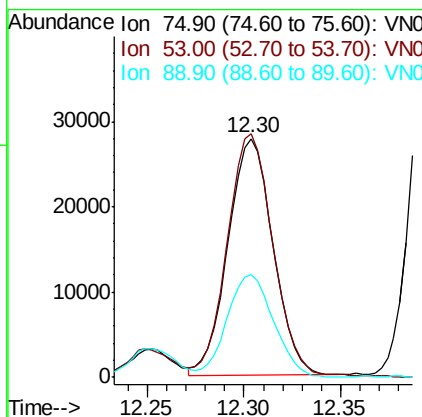
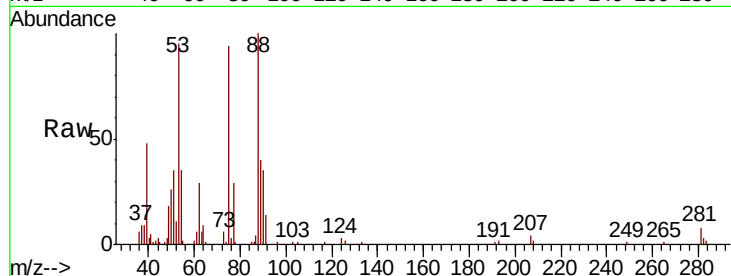
#81
trans-1,4-Dichloro-2-butene
Concen: 21.448 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.7	78.4	117.6
89	44.8	34.9	52.3

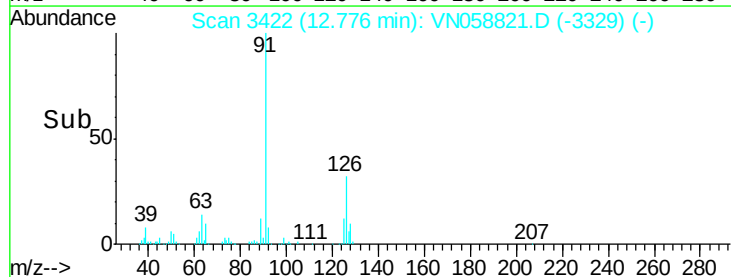
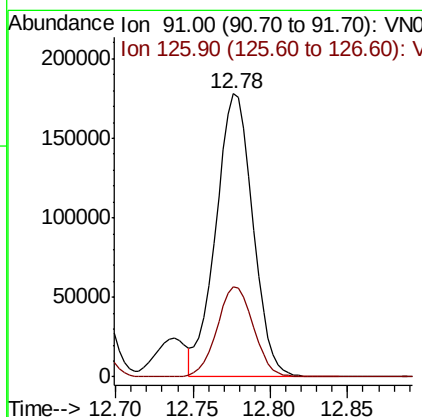
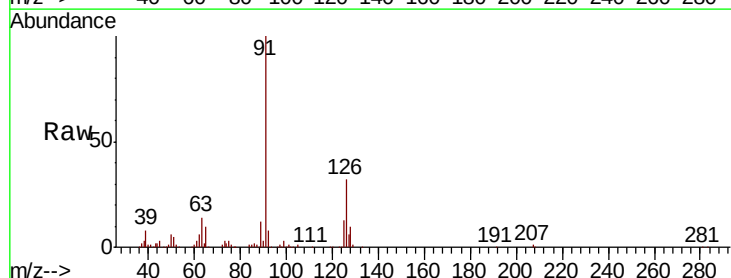
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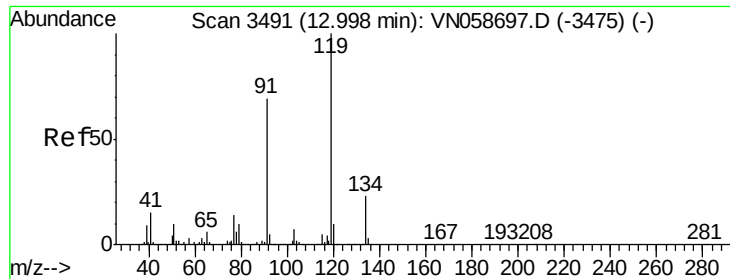
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#82
4-Chlorotoluene
Concen: 21.424 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.9	47.6





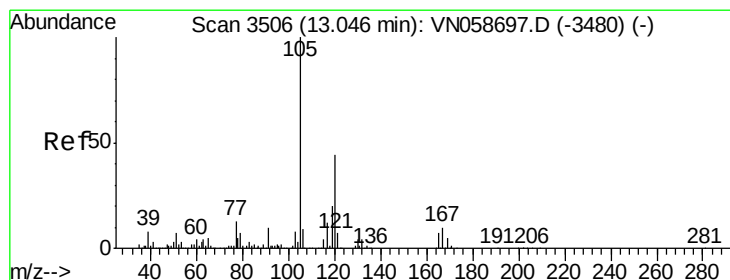
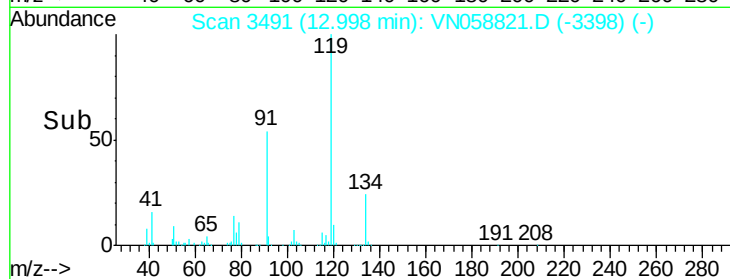
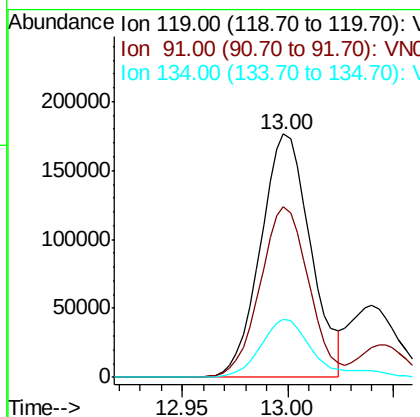
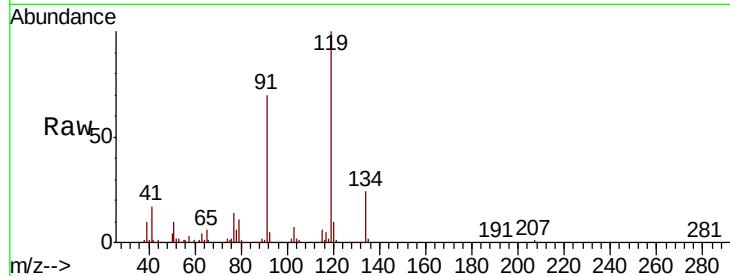
#83
 tert-Butylbenzene
 Concen: 21.459 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.5	33.8	101.3
134	25.6	12.6	37.6

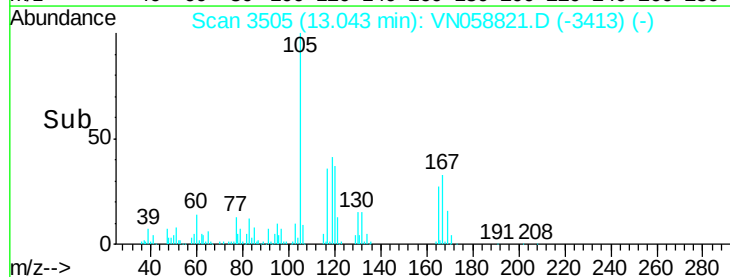
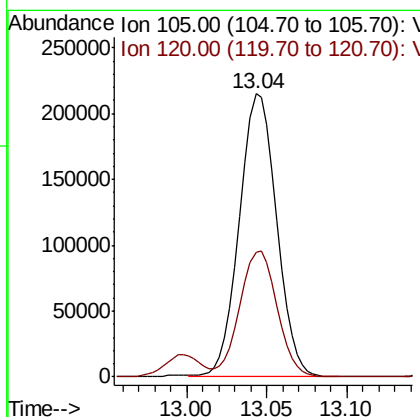
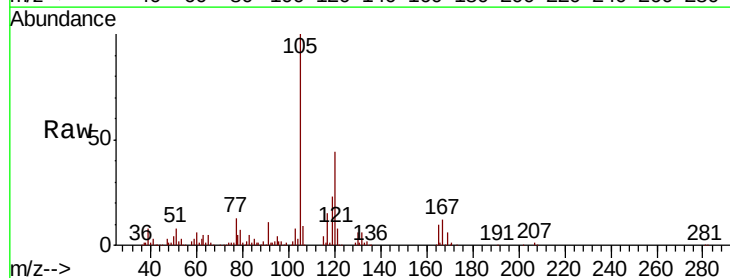
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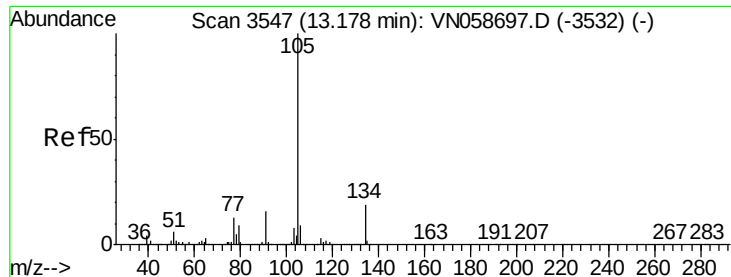
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.619 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	21.9	65.7





#85

sec-Butylbenzene

Concen: 21.932 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1017WBSD01

Tot Ion:105 Resp: 392038

Ion Ratio Lower Upper

105 100

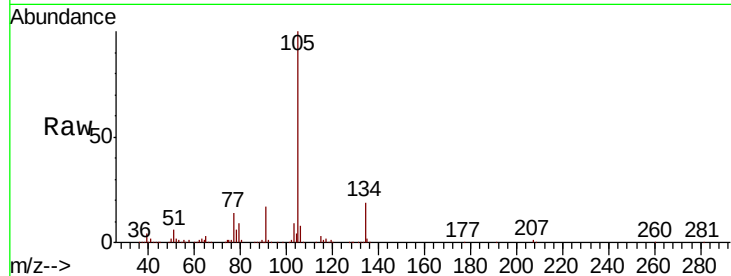
134 19.5 9.7 29.1

Manual Integrations

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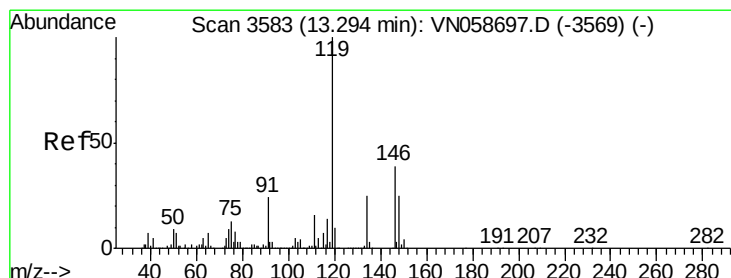
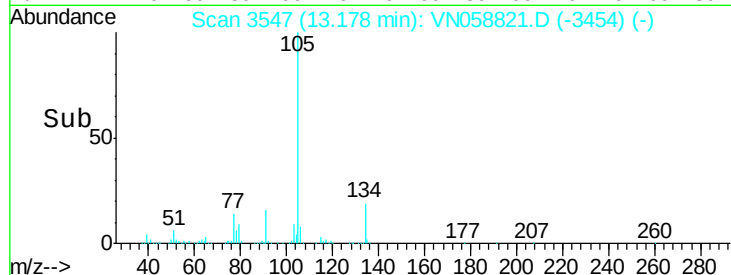
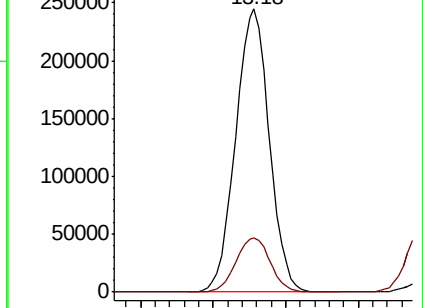
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.396 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

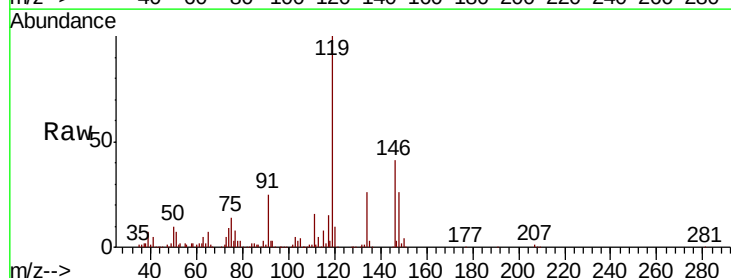
Tgt Ion:119 Resp: 347597

Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.1

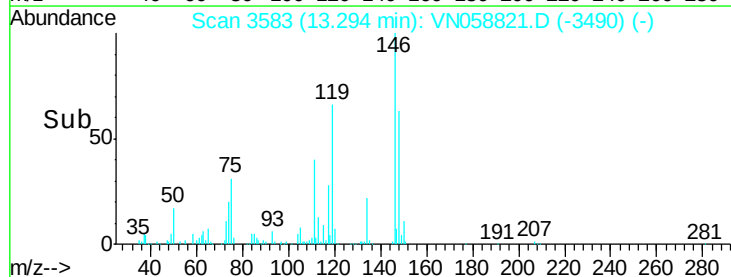
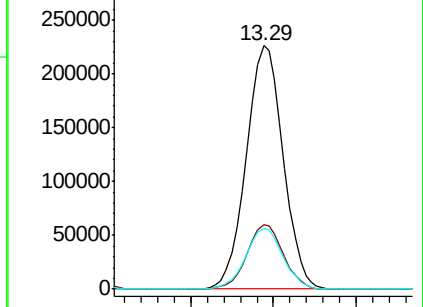
91 25.3 11.9 35.5

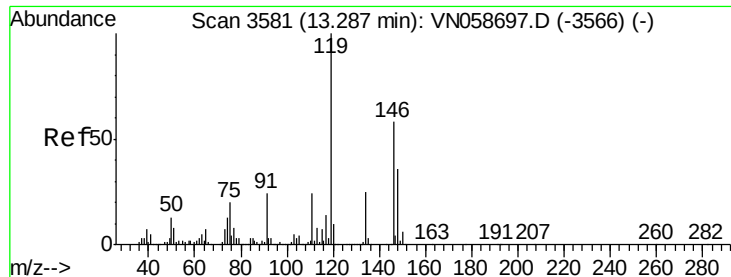


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.707 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058821.D

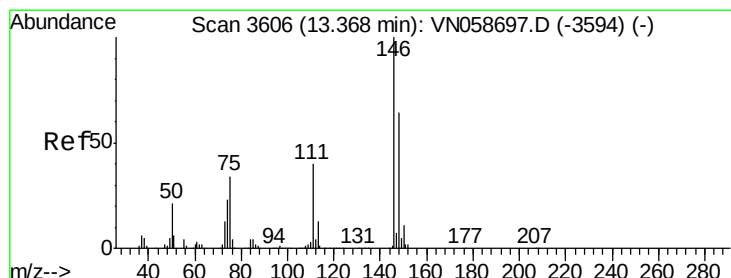
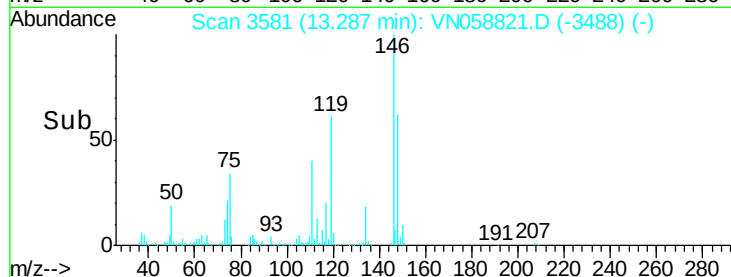
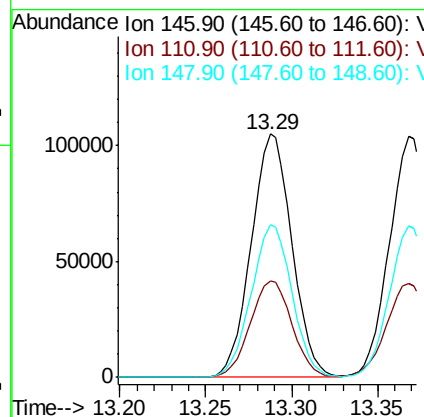
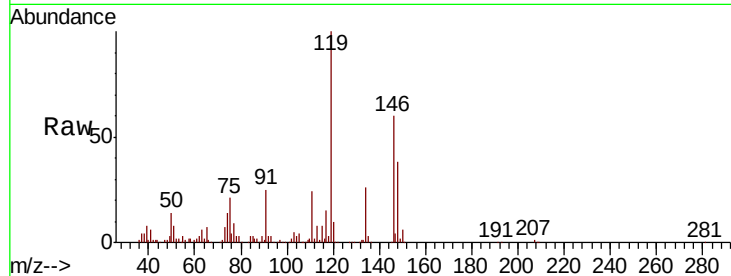
Acq: 17 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.5	61.6
148	63.0	31.3	93.9

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#88

1,4-Dichlorobenzene

Concen: 20.393 ug/l

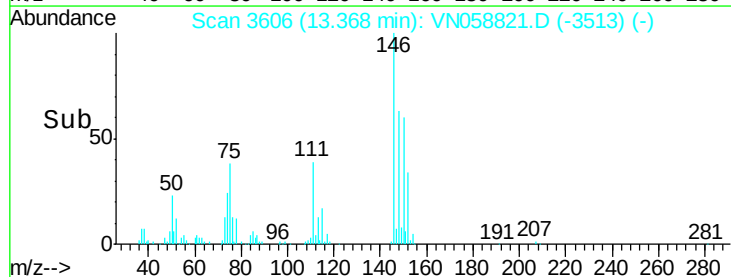
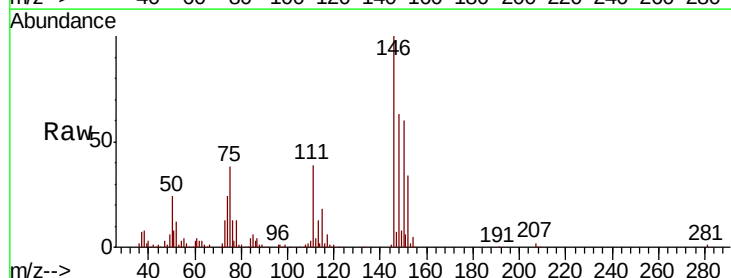
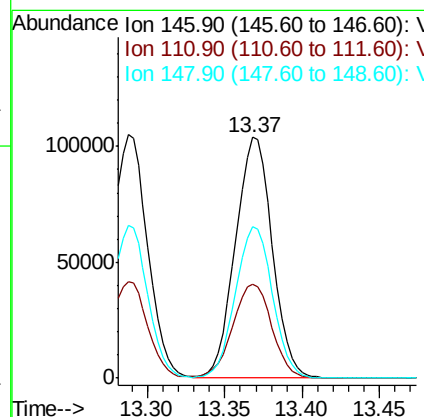
RT: 13.37 min Scan# 3606

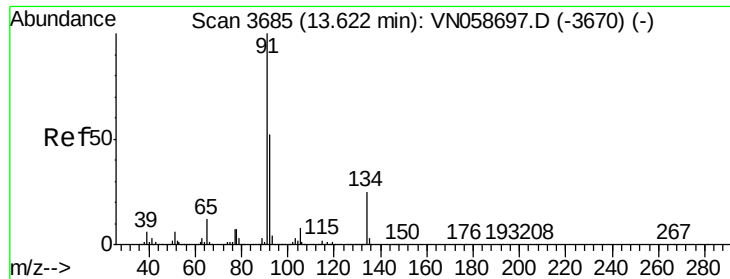
Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.1	60.2
148	63.1	31.9	95.7





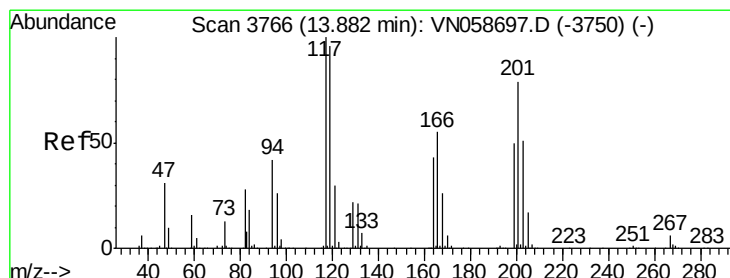
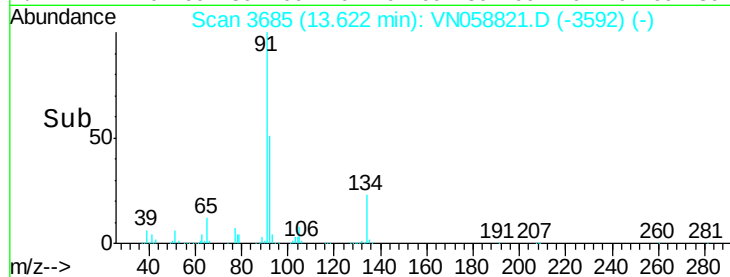
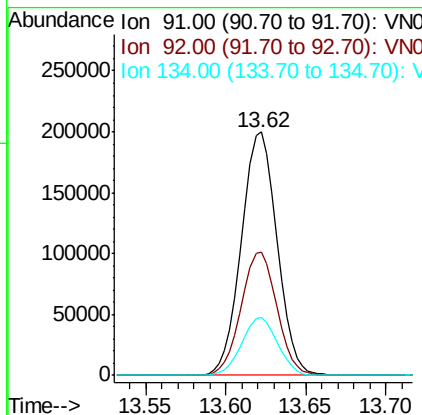
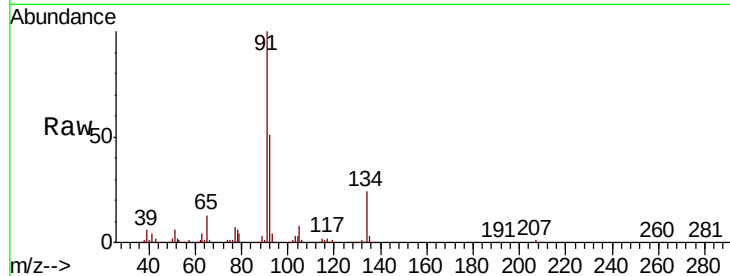
#89
n-Butylbenzene
Concen: 20.216 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.0	78.0
134	23.8	12.2	36.6

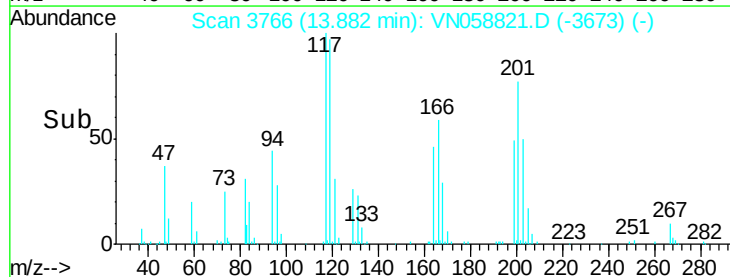
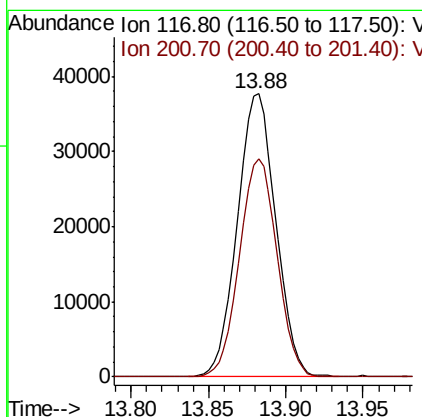
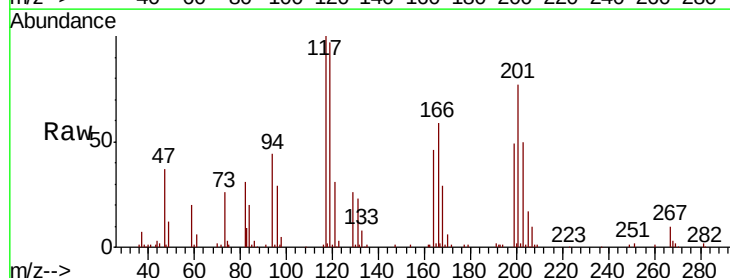
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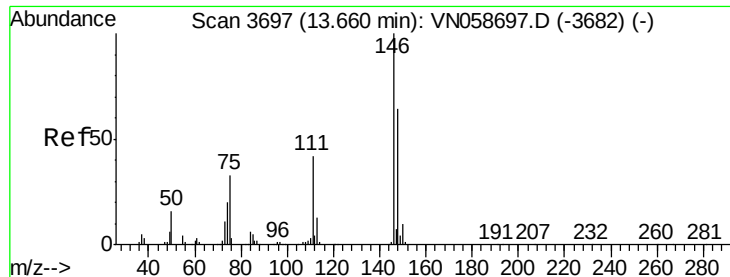
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#90
Hexachloroethane
Concen: 22.422 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.5	39.6	118.7





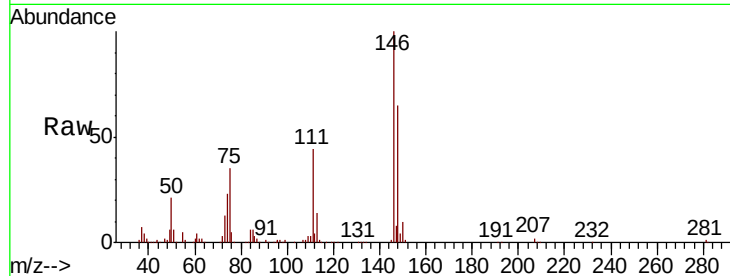
#91
 1,2-Dichlorobenzene
 Concen: 21.112 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.1	63.4
148	64.1	31.8	95.3

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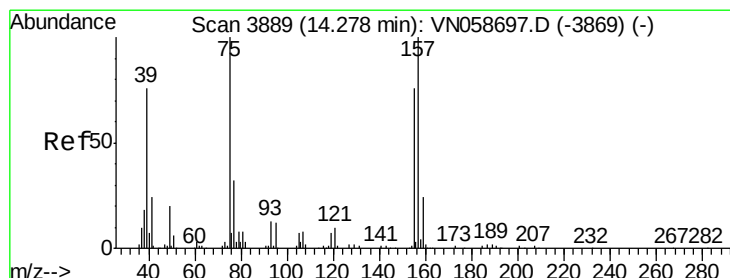
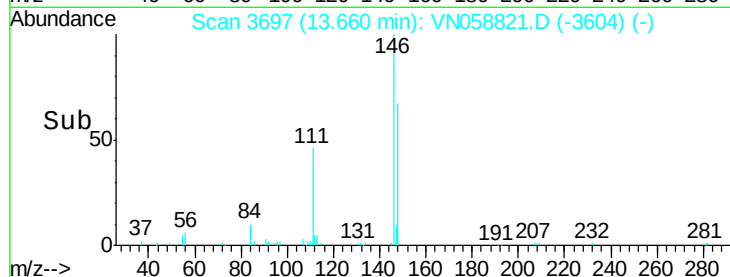
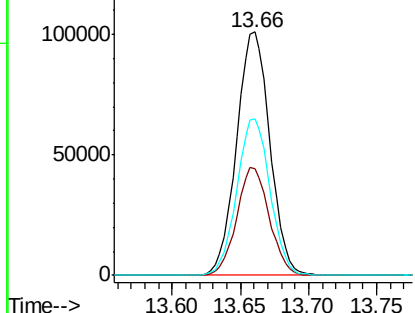


Abundance

Ion 145.90 (145.60 to 146.60): V

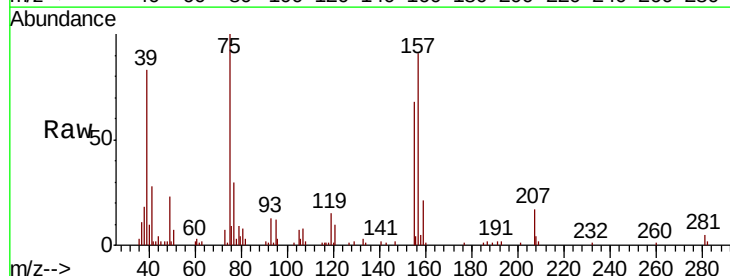
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.305 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.4	37.9	113.6
157	91.8	49.4	148.2

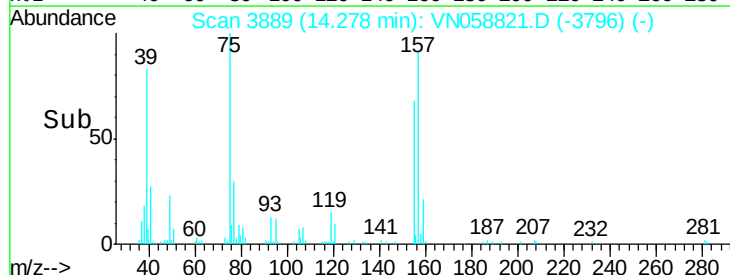
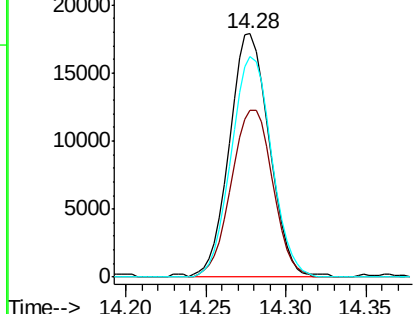


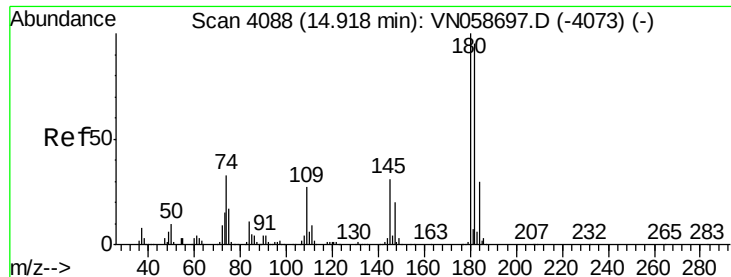
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 18.382 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

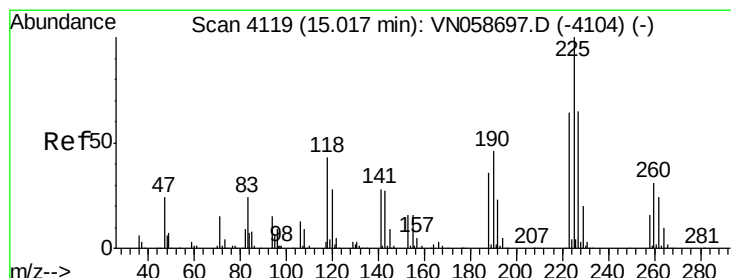
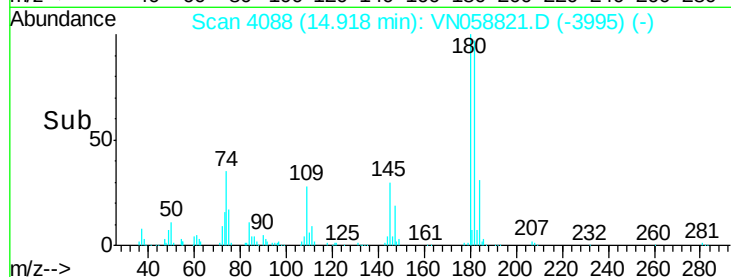
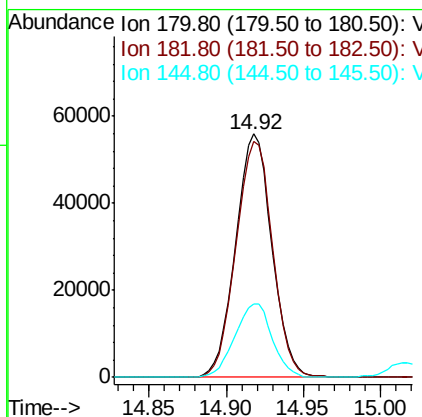
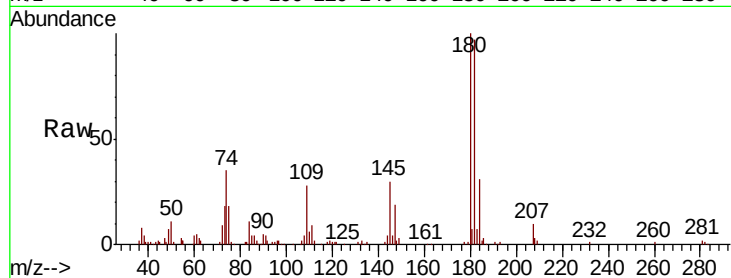
ClientSampleId :

VN1017WBSD01

Tot Ion:	180	Resp:	90930
Ion Ratio	Lower	Upper	
180	100		
182	98.3	47.4	142.2
145	31.1	15.4	46.2

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#94

Hexachlorobutadiene

Concen: 20.311 ug/l

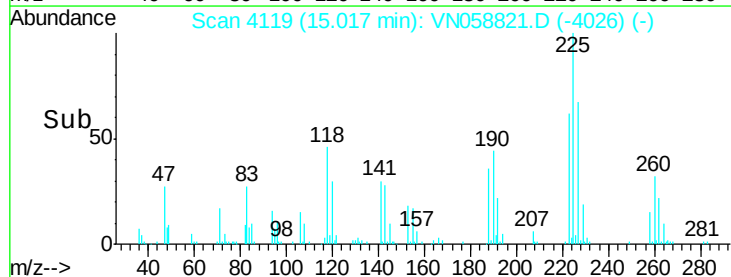
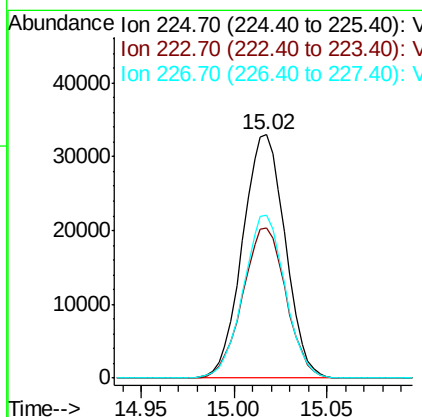
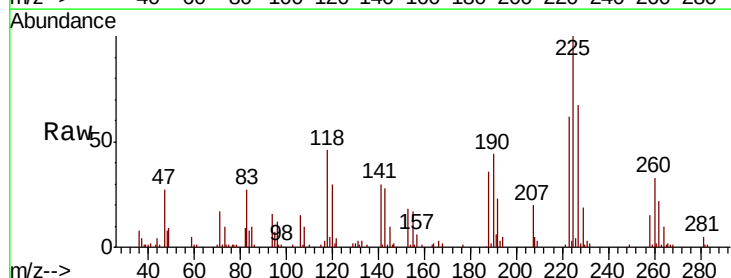
RT: 15.02 min Scan# 4119

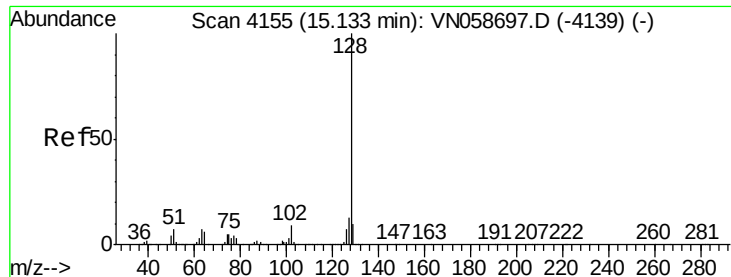
Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Tgt Ion:	225	Resp:	52910
Ion Ratio	Lower	Upper	
225	100		
223	62.6	32.3	96.8
227	65.6	32.4	97.0





#95

Naphthalene

Concen: 18.734 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

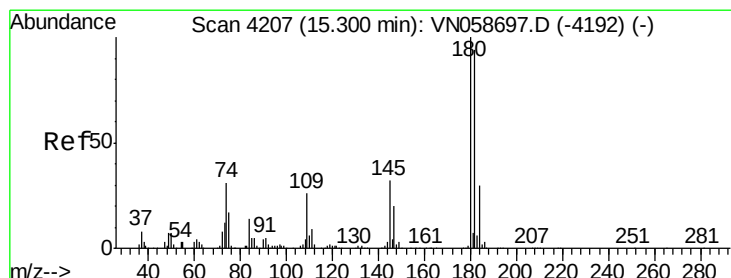
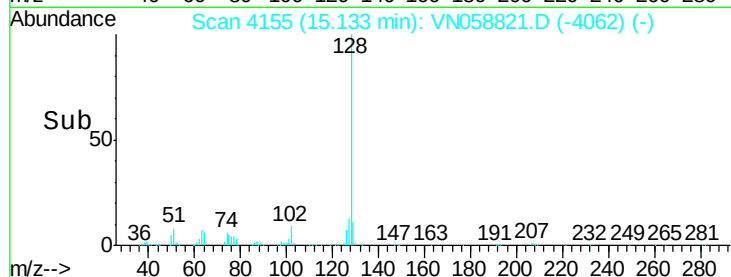
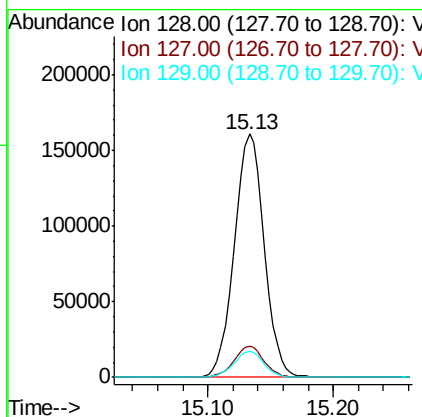
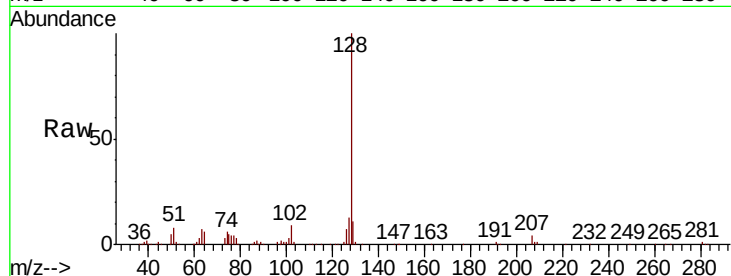
ClientSampleId :

VN1017WBSD01

Tot Ion:	128	Resp:	266338
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.7	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/18/2019 3:26:17 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.819 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Tgt Ion:	180	Resp:	90886
Ion Ratio	Lower	Upper	
180	100		
182	98.3	47.3	142.0
145	33.4	16.2	48.6

