

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101519\
 Data File : VN058790.D
 Acq On : 15 Oct 2019 18:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:42:41 AM

Quant Time: Oct 16 05:24:16 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	408097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	653303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	610125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	302802	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	291406	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
35) Dibromofluoromethane	7.57	113	210553	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
50) Toluene-d8	10.09	98	819247	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.40	95	308523	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	259481	51.053	ug/l	99
3) Chloromethane	2.04	50	292574	48.409	ug/l	99
4) Vinyl Chloride	2.17	62	301223	50.041	ug/l	99
5) Bromomethane	2.54	94	182514	49.842	ug/l	99
6) Chloroethane	2.68	64	189520	51.043	ug/l	97
7) Trichlorofluoromethane	3.00	101	364577	50.607	ug/l	98
8) Diethyl Ether	3.39	74	129215	48.545	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	206260	50.213	ug/l	99
10) Methyl Iodide	3.93	142	278914	49.758	ug/l	100
11) Tert butyl alcohol	4.76	59	236687	255.801	ug/l	100
12) 1,1-Dichloroethene	3.72	96	197138	50.301	ug/l	98
13) Acrolein	3.58	56	157928	212.224	ug/l	100
14) Allyl chloride	4.30	41	400512	50.639	ug/l	99
15) Acrylonitrile	4.96	53	639189	273.930	ug/l	100
16) Acetone	3.79	43	614667	259.872	ug/l	99
17) Carbon Disulfide	4.03	76	593096	47.342	ug/l	100
18) Methyl Acetate	4.30	43	323786	53.967	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	735673	52.568	ug/l	97
20) Methylene Chloride	4.53	84	237167	47.977	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	217645	49.646	ug/l	99
22) Diisopropyl ether	5.93	45	814062	52.937	ug/l	99
23) Vinyl Acetate	5.87	43	3524385	284.027	ug/l	100
24) 1,1-Dichloroethane	5.82	63	451368	51.536	ug/l	99
25) 2-Butanone	6.81	43	922318	269.782	ug/l	99
26) 2,2-Dichloropropane	6.80	77	383196	47.930	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	253985	49.683	ug/l	100
28) Bromochloromethane	7.18	49	154714	50.777	ug/l	98
29) Tetrahydrofuran	7.19	42	598320	270.818	ug/l	100
30) Chloroform	7.35	83	440573	50.068	ug/l	98
31) Cyclohexane	7.64	56	409340	48.847	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	390200	51.996	ug/l	99
36) 1,1-Dichloropropene	7.78	75	332525	50.342	ug/l	99
37) Ethyl Acetate	6.91	43	375040	56.142	ug/l	98
38) Carbon Tetrachloride	7.76	117	342522	53.206	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	388991	50.751	ug/l	99
40) Benzene	8.03	78	982901	51.812	ug/l	100
41) Methacrylonitrile	7.15	41	165943m	53.067	ug/l	
42) 1,2-Dichloroethane	8.11	62	377796	51.837	ug/l	100
43) Isopropyl Acetate	8.15	43	608253	53.449	ug/l	99
44) Trichloroethene	8.82	130	239842	50.911	ug/l	97
45) 1,2-Dichloropropane	9.11	63	271014	53.366	ug/l	98
46) Dibromomethane	9.20	93	170077	52.823	ug/l	99
47) Bromodichloromethane	9.39	83	352879	53.821	ug/l	100
48) Methyl methacrylate	9.19	41	284663	55.183	ug/l	99
49) 1,4-Dioxane	9.19	88	84473	1058.504	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1900920	297.429	ug/l	100
52) Toluene	10.15	92	600741	51.776	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	399767	53.161	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	424200	53.129	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	238911	50.308	ug/l	99
56) Ethyl methacrylate	10.43	69	388422	55.986	ug/l	99
57) 1,3-Dichloropropane	10.71	76	427136	52.782	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	920803	275.402	ug/l	99
59) 2-Hexanone	10.75	43	1429328	289.389	ug/l	99
60) Dibromochloromethane	10.90	129	267281	54.560	ug/l	100
61) 1,2-Dibromoethane	11.00	107	252329	53.037	ug/l	98
64) Tetrachloroethene	10.63	164	206918	48.460	ug/l	93
65) Chlorobenzene	11.43	112	634363	51.198	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	239166	52.201	ug/l	99
67) Ethyl Benzene	11.51	91	1189423	53.853	ug/l	100
68) m/p-Xylenes	11.62	106	879575	106.119	ug/l	99
69) o-Xylene	11.95	106	418448	52.180	ug/l	100
70) Styrene	11.97	104	703515	53.525	ug/l	99
71) Bromoform	12.13	173	184913	55.062	ug/l #	99
73) Isopropylbenzene	12.25	105	1153009	52.578	ug/l	100
74) N-amyl acetate	12.07	43	537244	54.546	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	380524	52.673	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	335164m	50.456	ug/l	
77) Bromobenzene	12.53	156	269241	50.476	ug/l	99
78) n-propylbenzene	12.59	91	1376583	53.870	ug/l	99
79) 2-Chlorotoluene	12.68	91	807625	50.920	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	988062	52.775	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	130129	52.474	ug/l	97
82) 4-Chlorotoluene	12.78	91	838945	51.547	ug/l	100
83) tert-Butylbenzene	13.00	119	840969	52.433	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	993100	53.432	ug/l	99
85) sec-Butylbenzene	13.18	105	1145346	54.195	ug/l	99
86) p-Isopropyltoluene	13.29	119	1027416	53.490	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	495967	50.418	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	489914	48.984	ug/l	100
89) n-Butylbenzene	13.62	91	938514	52.843	ug/l	99
90) Hexachloroethane	13.88	117	186751	54.338	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	487742	50.873	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85687	50.770	ug/l	96

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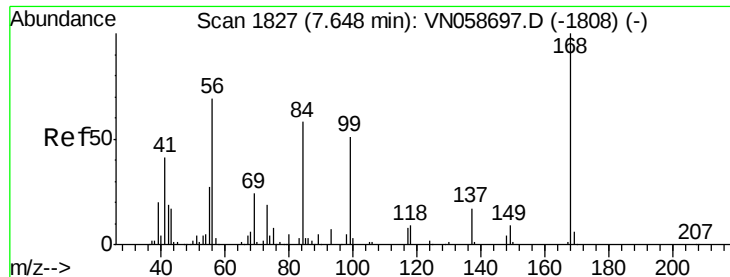
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	290507	49.672	ug/l	99
94) Hexachlorobutadiene	15.01	225	149406	48.510	ug/l	98
95) Naphthalene	15.13	128	928604	55.246	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	280427	49.111	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 408097

Ion Ratio Lower Upper

168 100

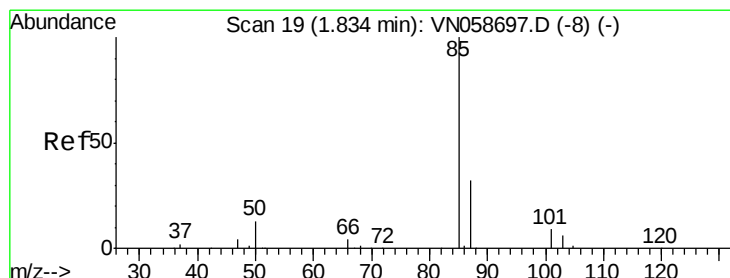
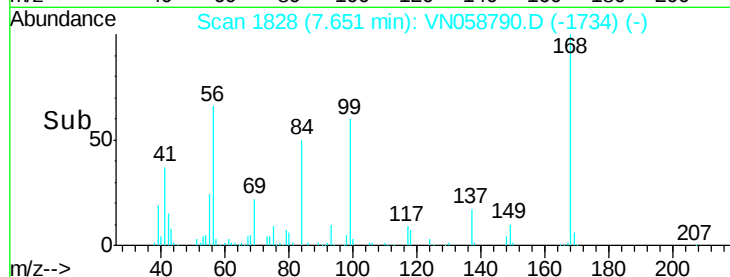
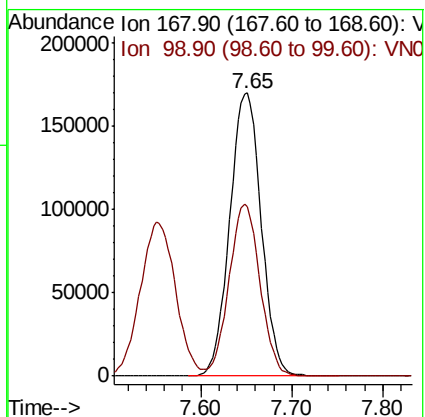
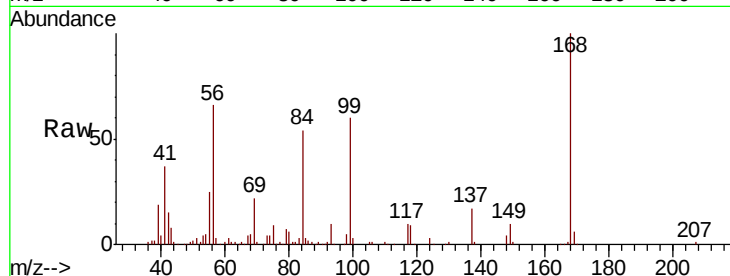
99 59.8 47.5 71.3

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 51.053 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058790.D

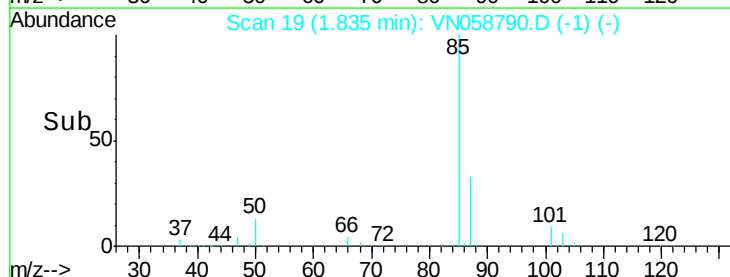
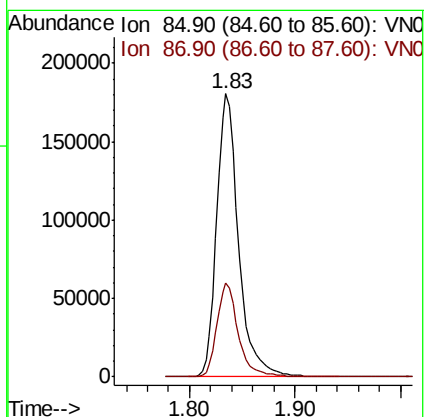
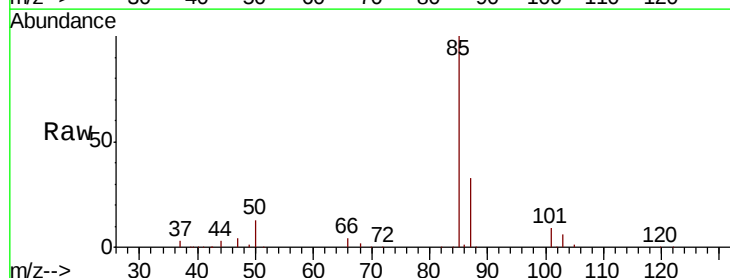
Acq: 15 Oct 2019 18:06

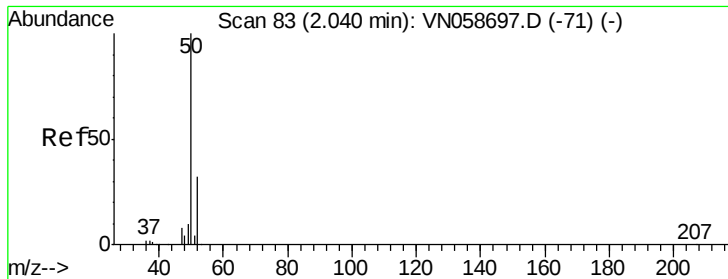
Tgt Ion: 85 Resp: 259481

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.6





#3

Chloromethane

Concen: 48.409 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 292574

Ion Ratio Lower Upper

50 100

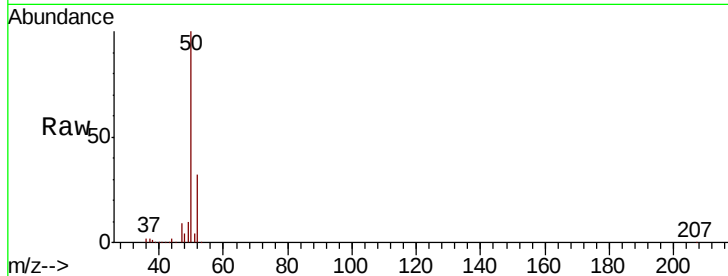
52 31.6 25.8 38.6

Manual Integrations

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10/18/2019 12:42:41 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

200000

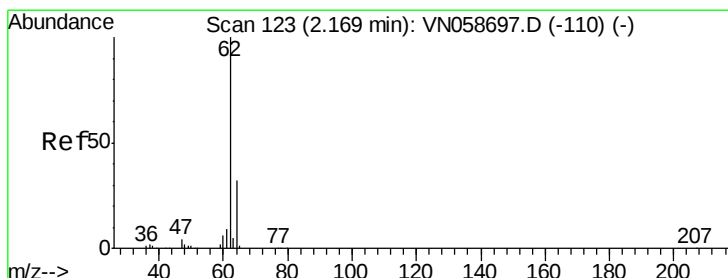
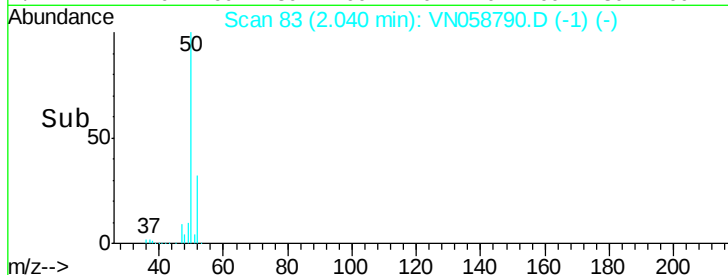
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 50.041 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058790.D

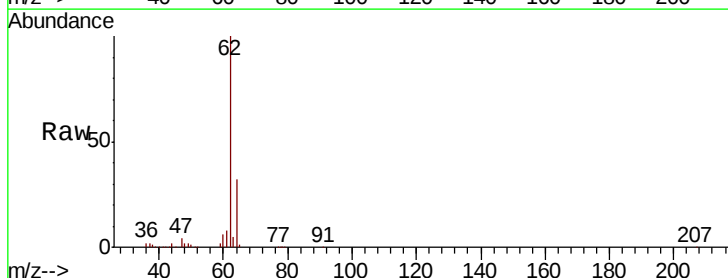
Acq: 15 Oct 2019 18:06

Tgt Ion: 62 Resp: 301223

Ion Ratio Lower Upper

62 100

64 32.0 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

200000

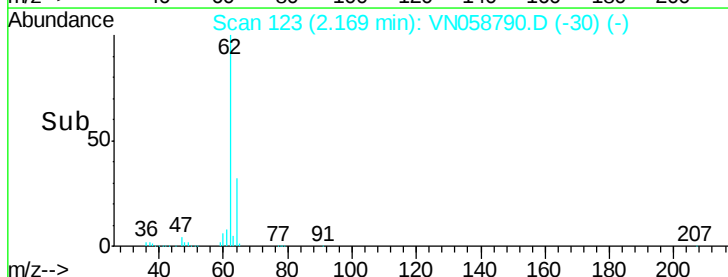
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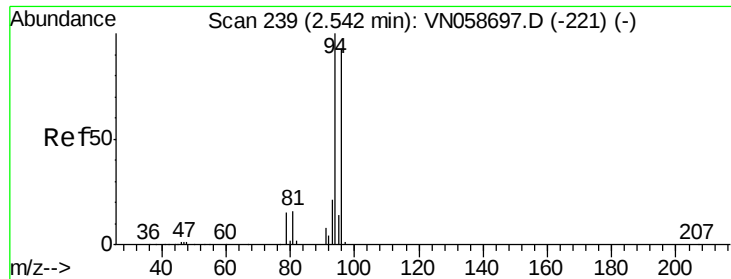
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50000

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Time-->





#5

Bromomethane

Concen: 49.842 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 182514

Ion Ratio Lower Upper

94 100

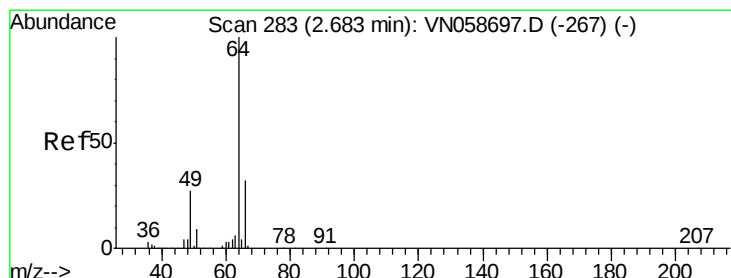
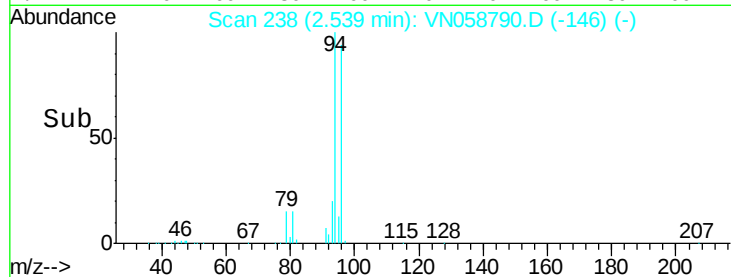
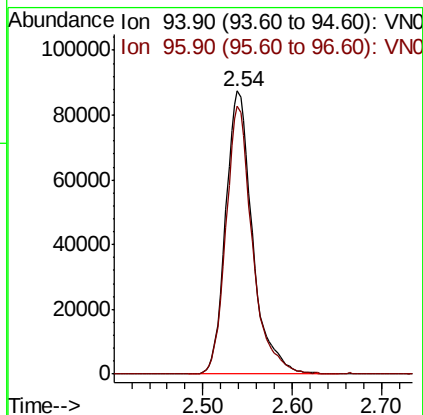
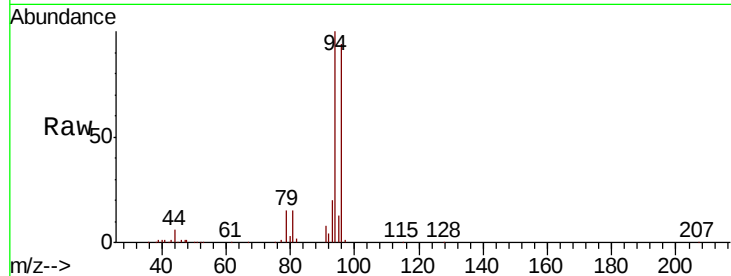
96 94.5 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 51.043 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058790.D

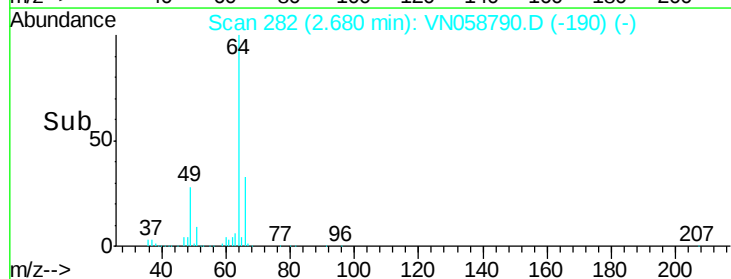
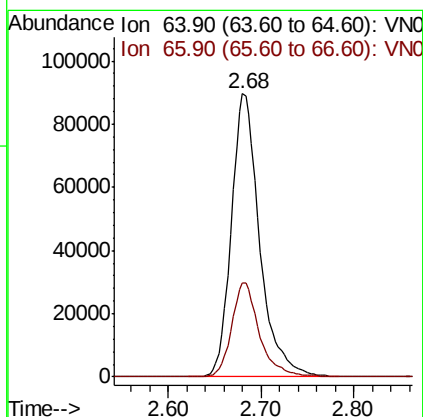
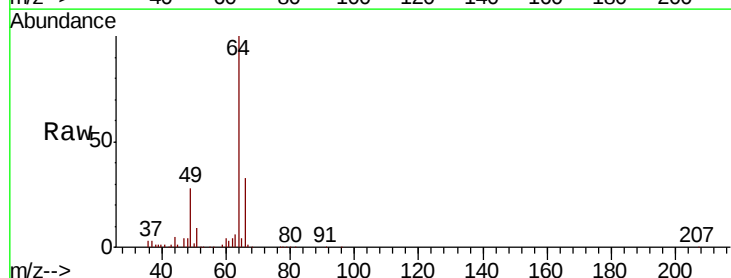
Acq: 15 Oct 2019 18:06

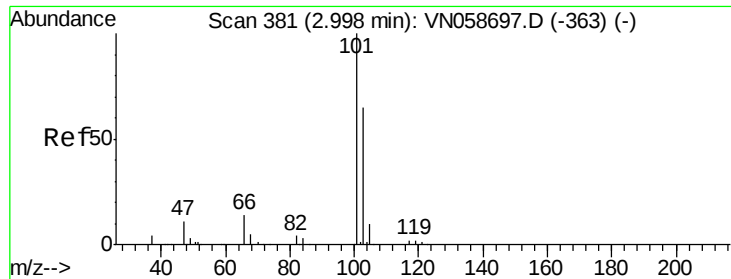
Tgt Ion: 64 Resp: 189520

Ion Ratio Lower Upper

64 100

66 33.3 25.4 38.2





#7

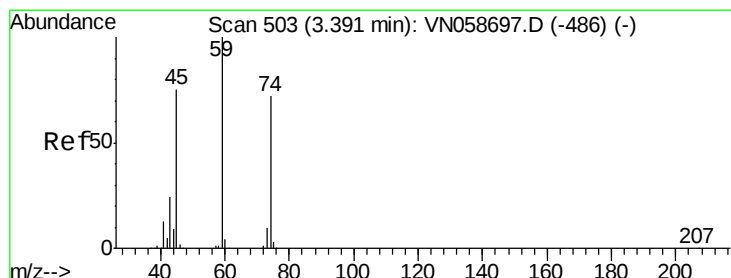
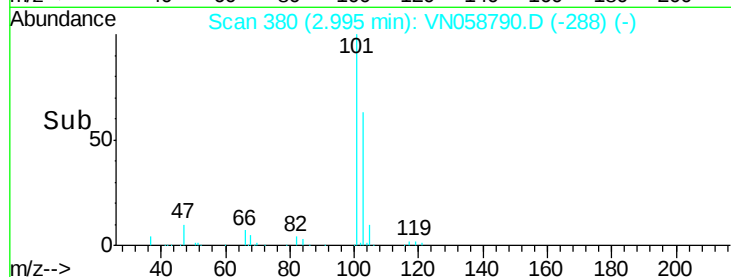
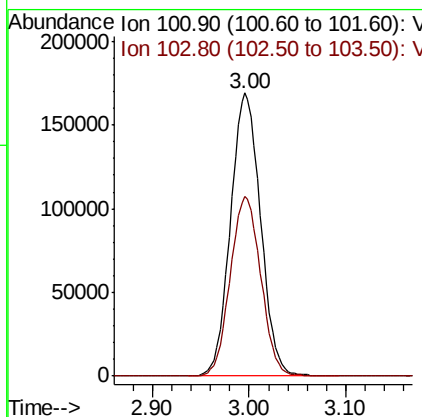
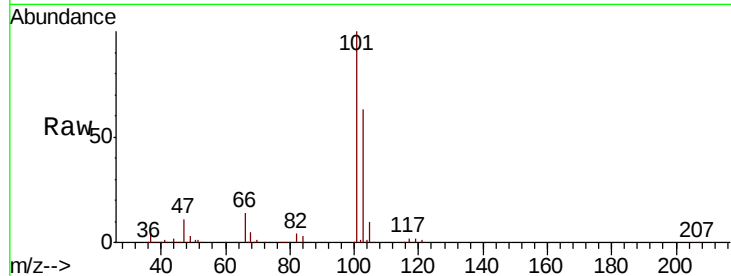
Trichlorofluoromethane
 Concen: 50.607 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.8	77.6

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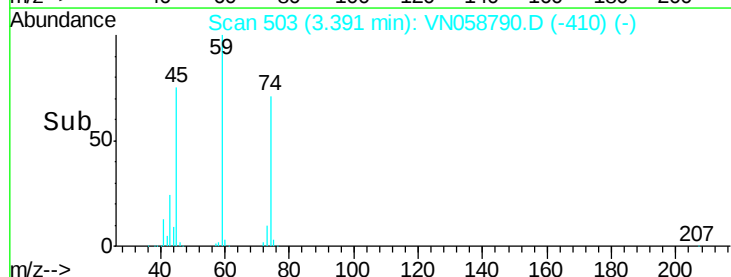
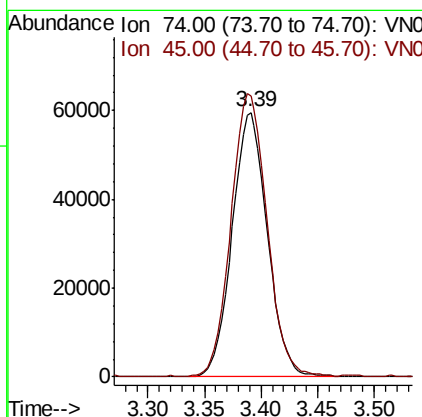
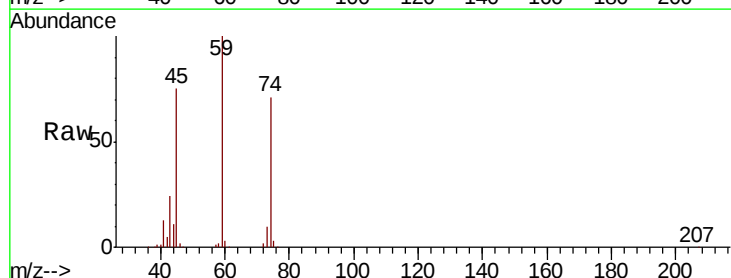
MMDadoda
 10/18/2019 12:42:41 AM

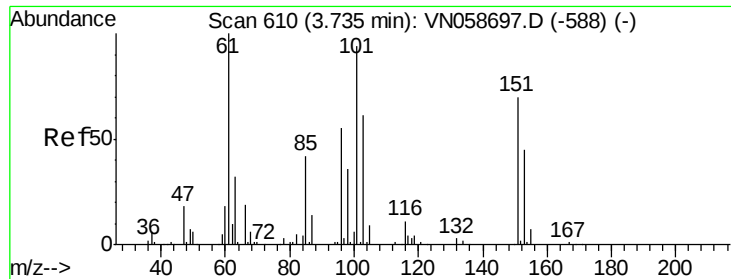


#8

Diethyl Ether
 Concen: 48.545 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.7	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.213 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

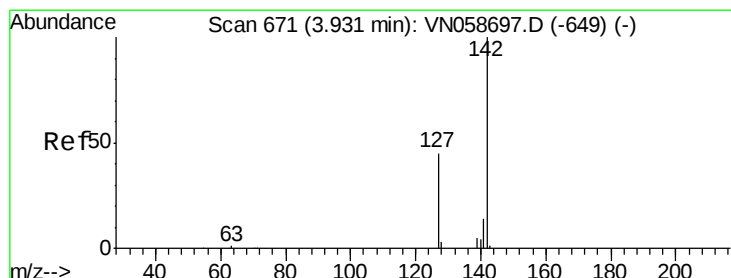
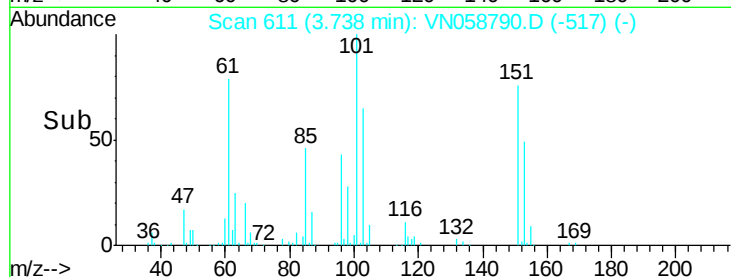
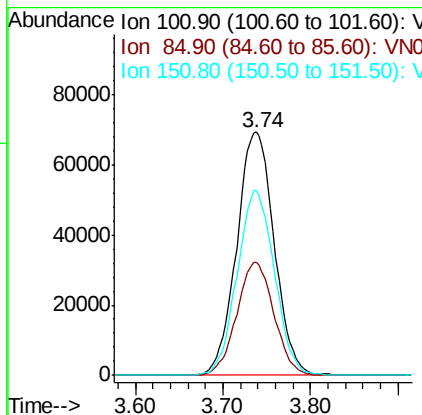
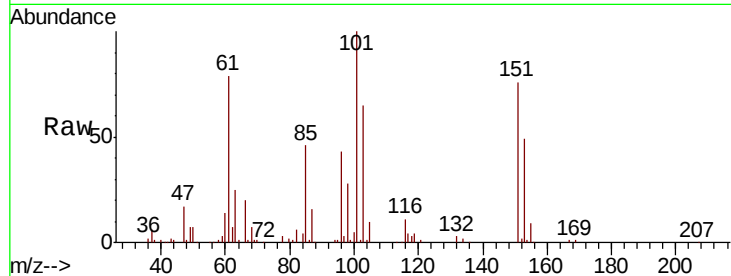
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	206260
Ion Ratio	Lower	Upper	
101	100		
85	46.1	37.0	55.6
151	75.7	61.8	92.6

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10/18/2019 12:42:41 AM



#10

Methyl Iodide

Concen: 49.758 ug/l

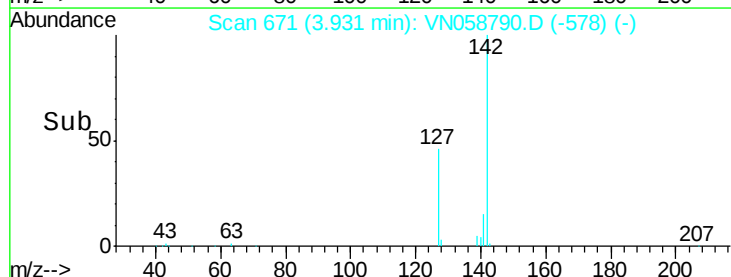
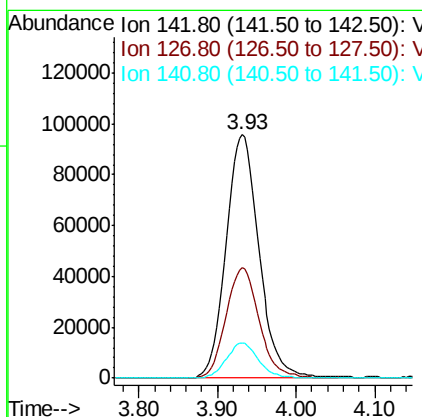
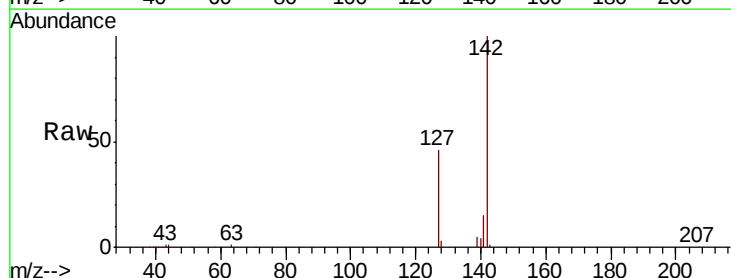
RT: 3.93 min Scan# 671

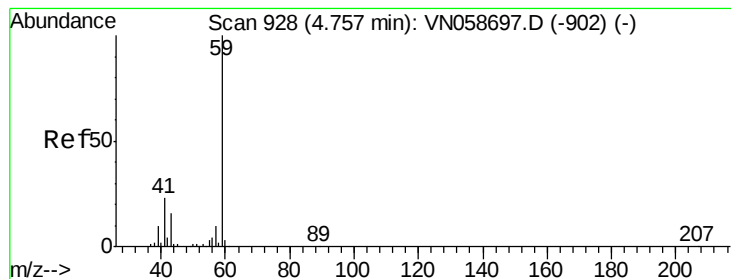
Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Tgt Ion:	142	Resp:	278914
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.4	54.6
141	14.0	11.1	16.7





#11

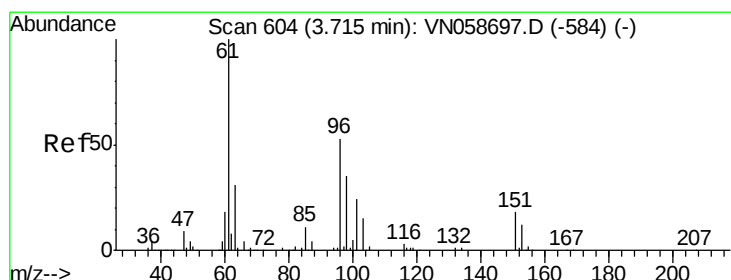
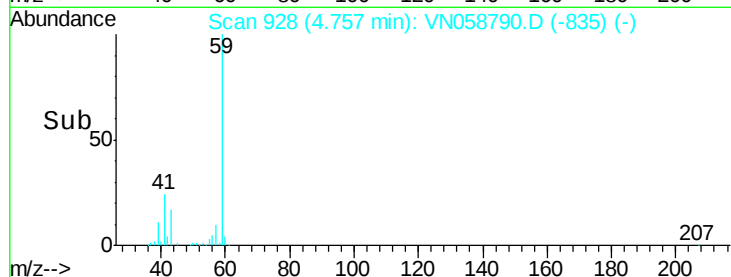
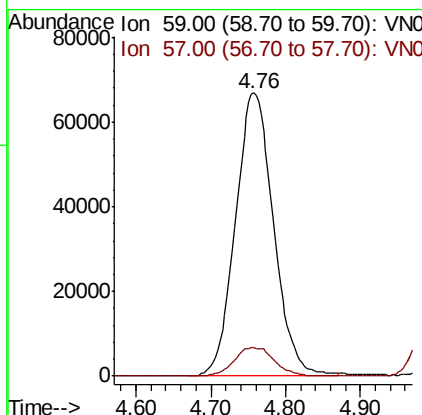
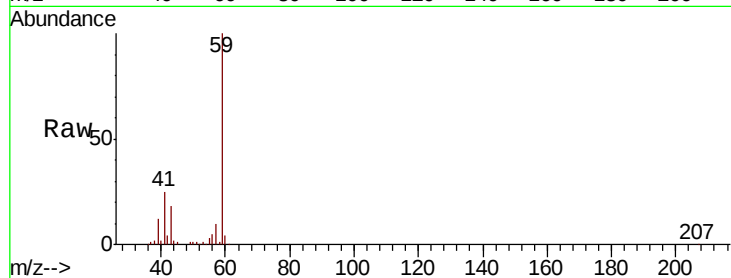
Tert butyl alcohol
 Concen: 255.801 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	236687
Ion Ratio	100	Lower	Upper
57	10.7	8.4	12.6

Manual Integrations
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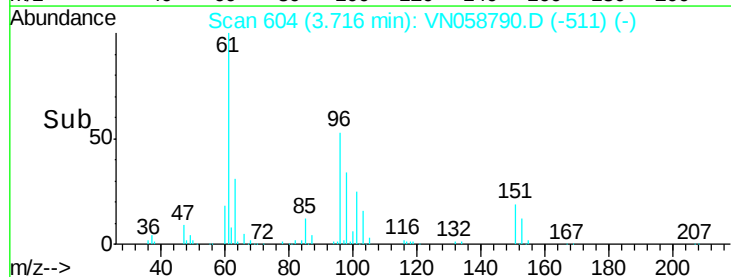
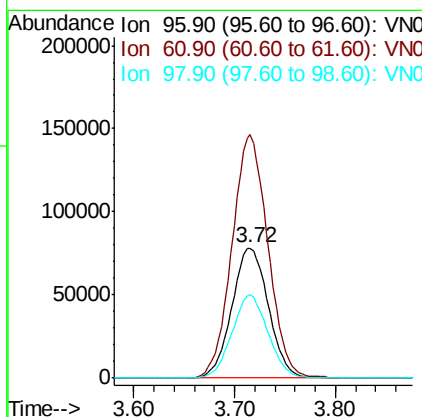
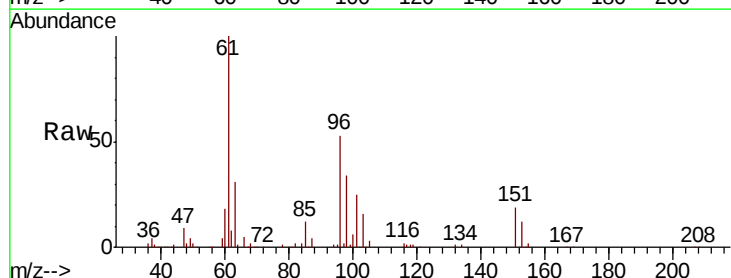
MMDadoda
 10/18/2019 12:42:41 AM

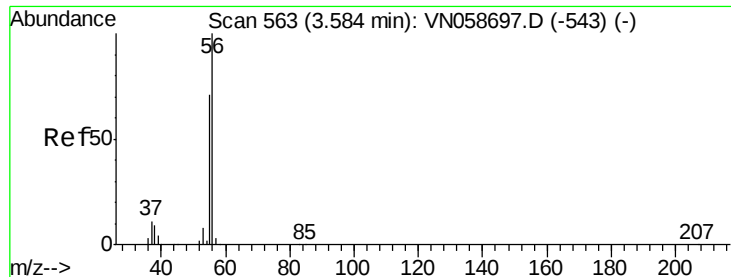


#12

1,1-Dichloroethene
 Concen: 50.301 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

Tgt Ion	96	Resp	197138
Ion Ratio	100	Lower	Upper
61	186.8	151.3	226.9
98	63.9	52.6	78.8





#13

Acrolein

Concen: 212.224 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 157928

Ion Ratio Lower Upper

56 100

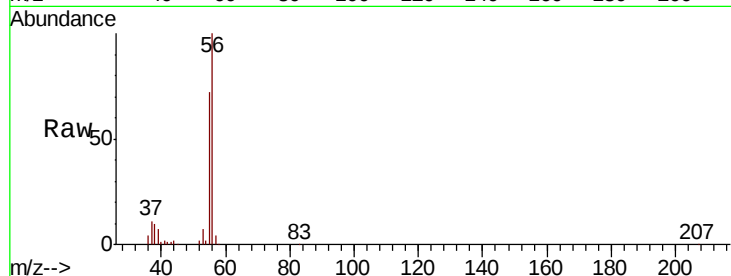
55 70.7 56.7 85.1

Manual Integrations

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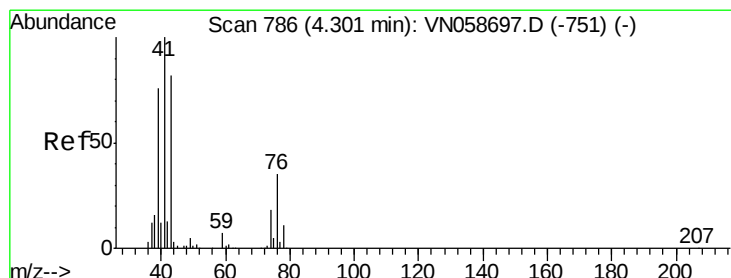
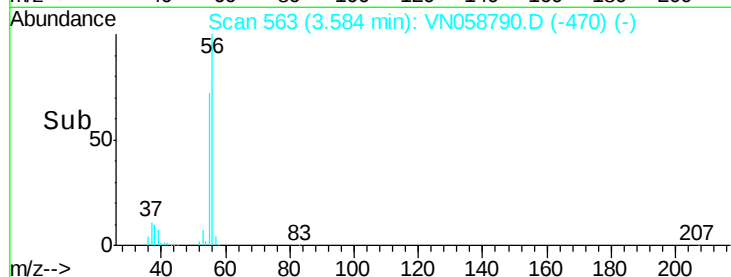
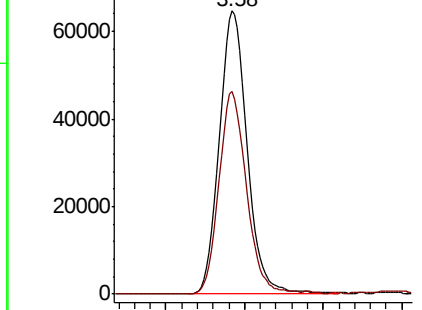
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Abundance Ion 56.00 (55.70 to 56.70): VN058790.D (-470) (-)

Ion 55.00 (54.70 to 55.70): VN058790.D (-470) (-)



#14

Allyl chloride

Concen: 50.639 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

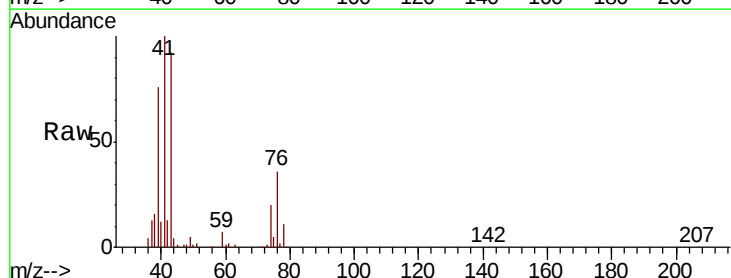
Tgt Ion: 41 Resp: 400512

Ion Ratio Lower Upper

41 100

39 70.9 57.2 85.8

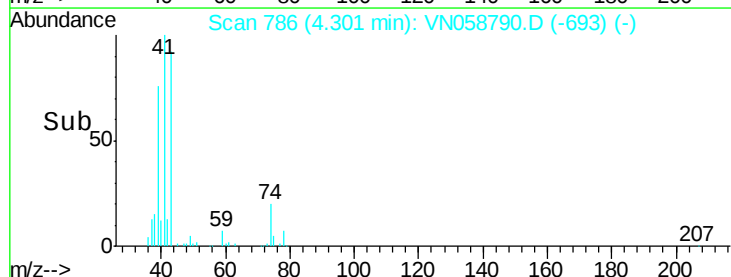
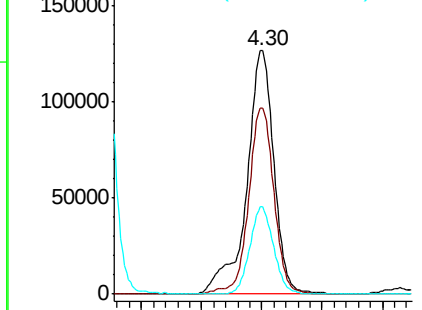
76 31.2 25.0 37.6

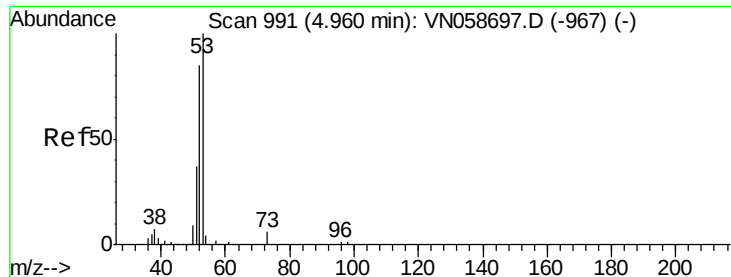


Abundance Ion 41.00 (40.70 to 41.70): VN058790.D (-693) (-)

Ion 39.00 (38.70 to 39.70): VN058790.D (-693) (-)

Ion 75.90 (75.60 to 76.60): VN058790.D (-693) (-)





#15

Acrylonitrile

Concen: 273.930 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

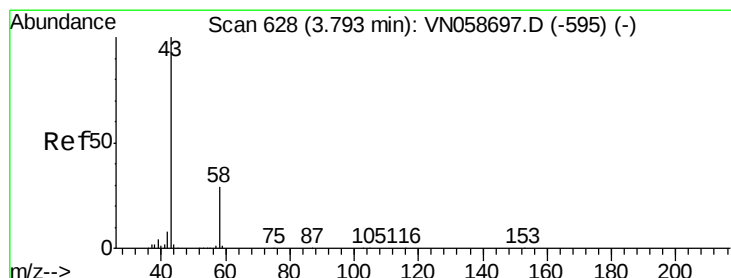
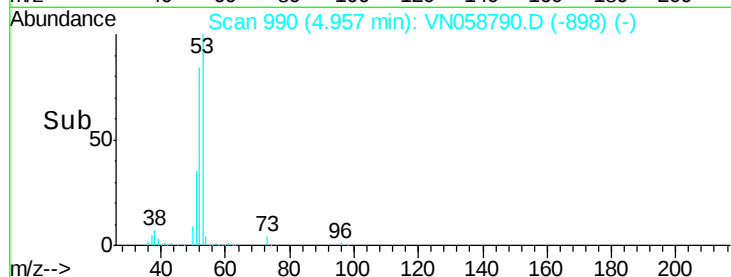
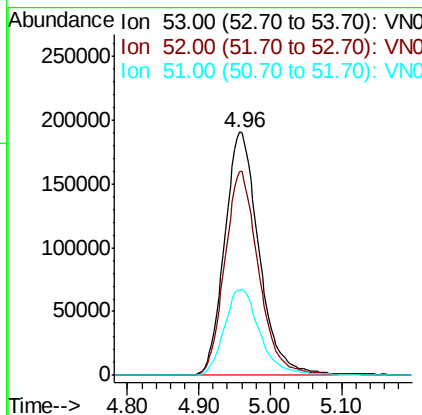
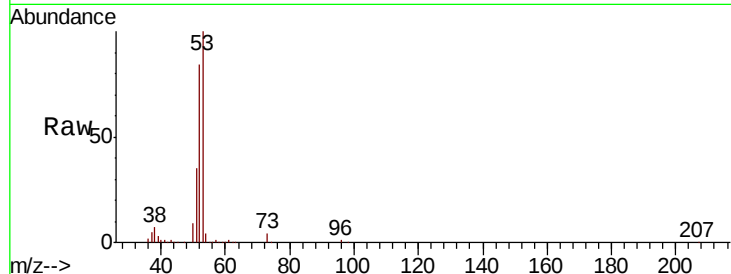
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	639189
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.7	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 259.872 ug/l

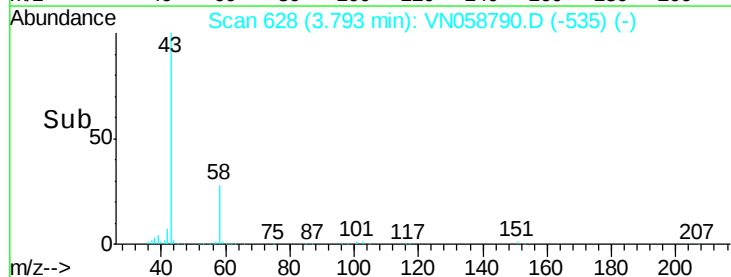
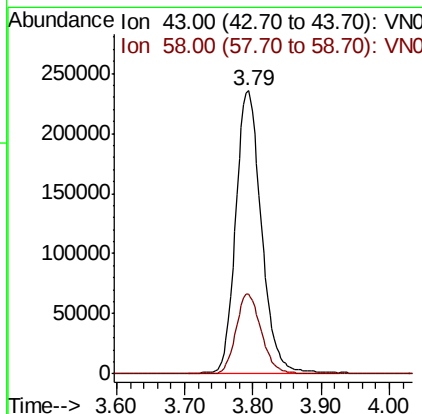
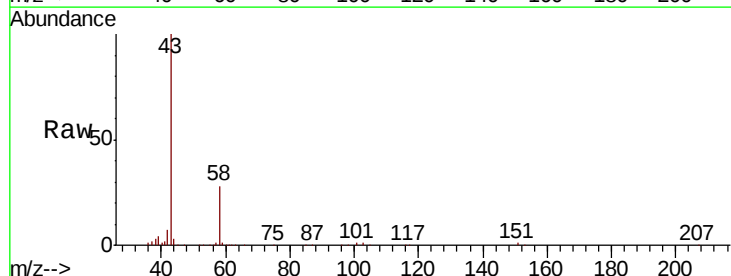
RT: 3.79 min Scan# 628

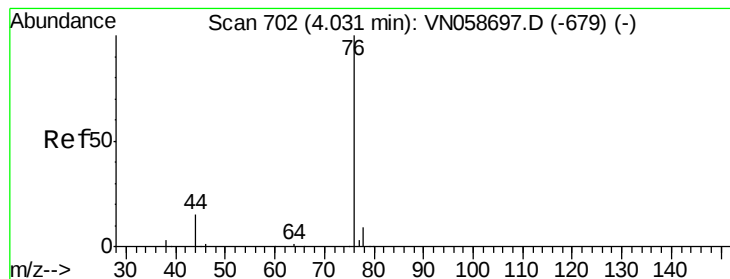
Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Tgt Ion:	43	Resp:	614667
Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.3	34.9





#17

Carbon Disulfide

Concen: 47.342 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 593096

Ion Ratio Lower Upper

76 100

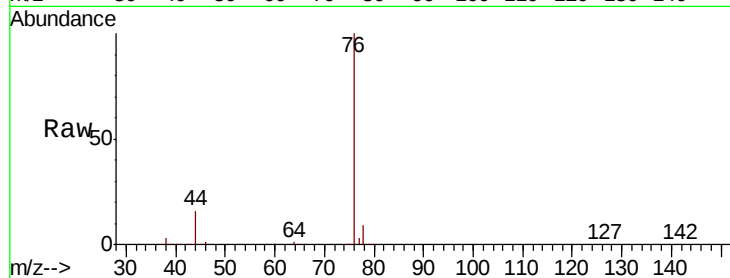
78 9.0 7.1 10.7

Manual Integrations

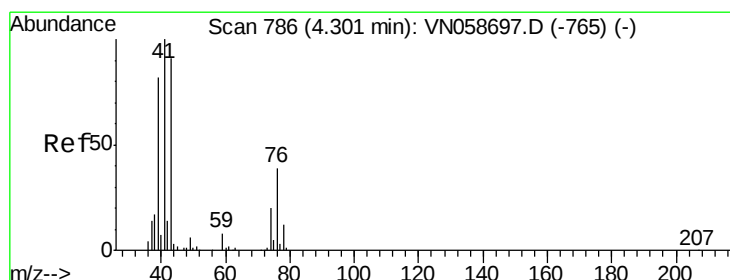
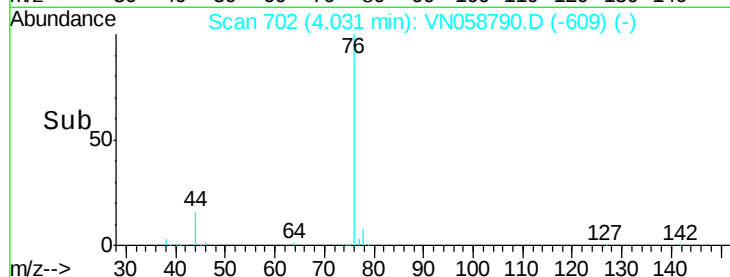
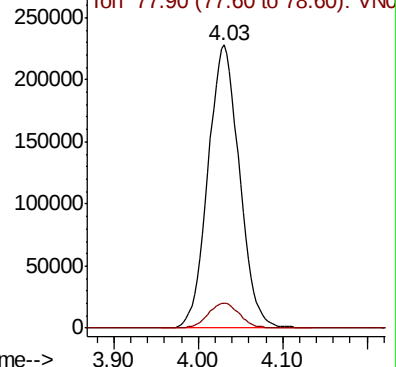
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Abundance Ion 75.90 (75.60 to 76.60): VN058790.D (-609) (-)



#18

Methyl Acetate

Concen: 53.967 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058790.D

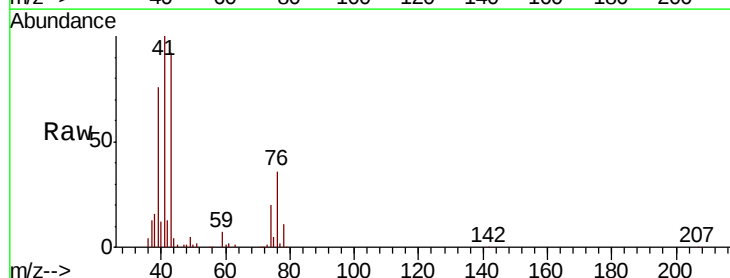
Acq: 15 Oct 2019 18:06

Tgt Ion: 43 Resp: 323786

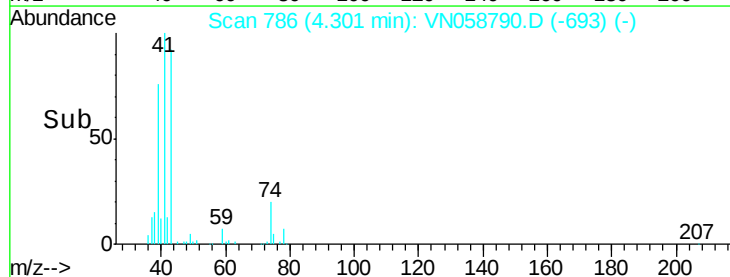
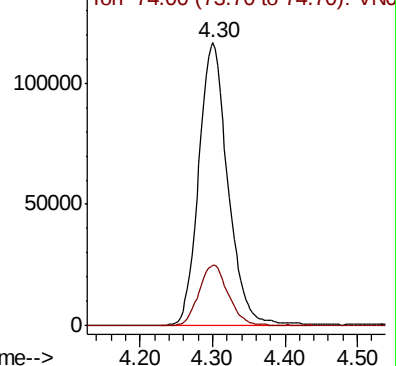
Ion Ratio Lower Upper

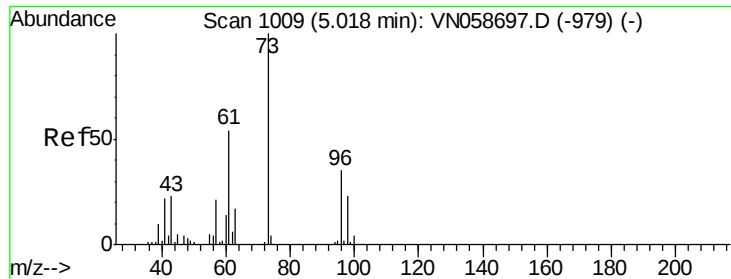
43 100

74 22.0 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VN058790.D (-693) (-)





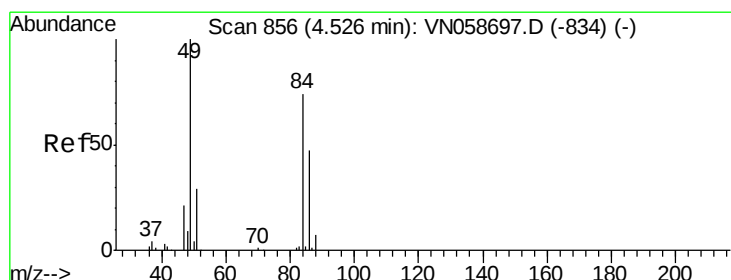
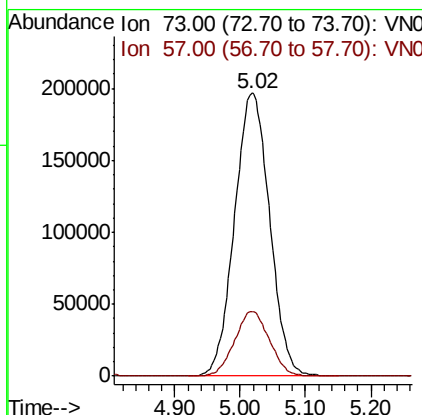
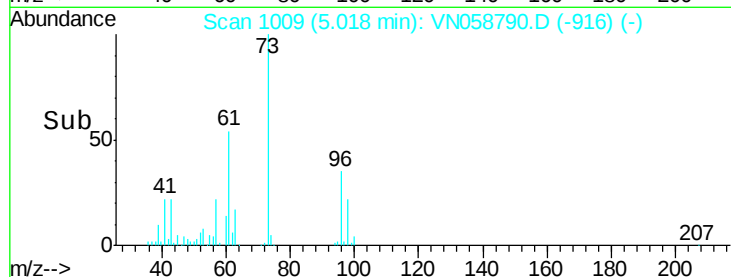
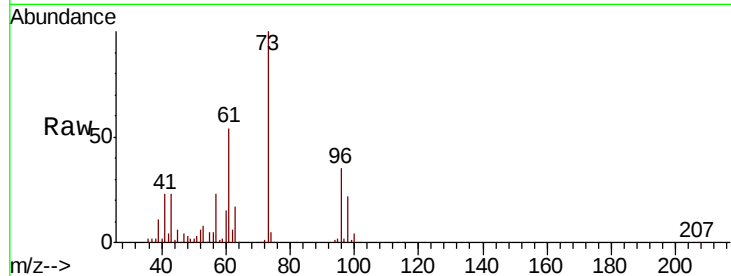
#19
Methvl tert-butvl Ether
Concen: 52.568 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 735673
Ion Ratio Lower Upper
73 100
57 22.9 17.0 25.6

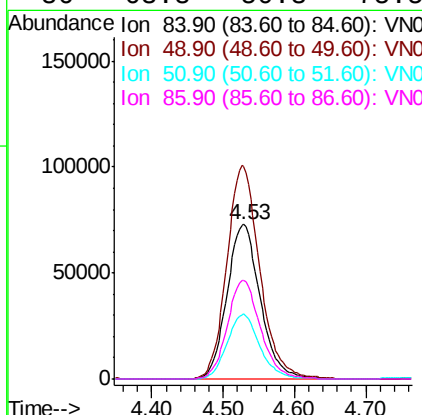
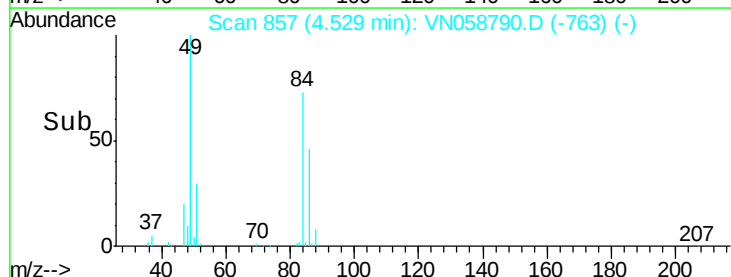
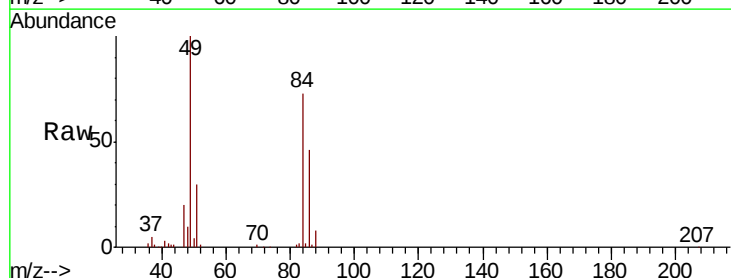
Manual Integrations
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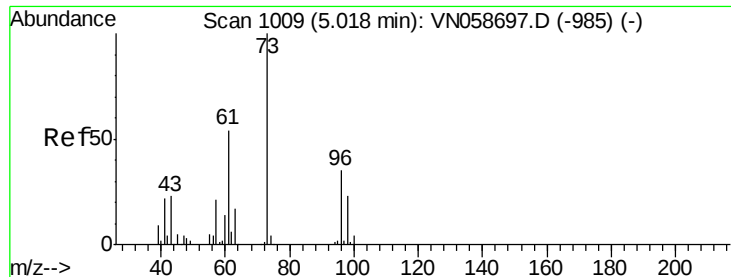
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#20
Methylene Chloride
Concen: 47.977 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Tgt Ion: 84 Resp: 237167
Ion Ratio Lower Upper
84 100
49 137.8 107.6 161.4
51 42.0 31.4 47.0
86 63.8 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 49.646 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

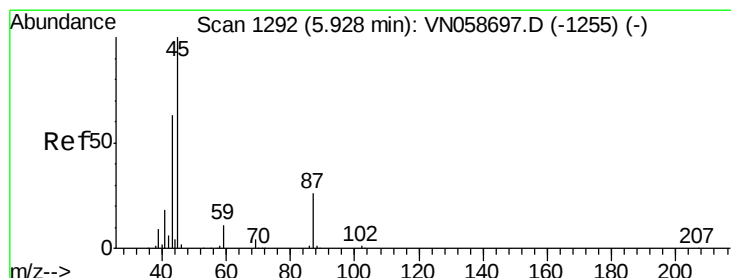
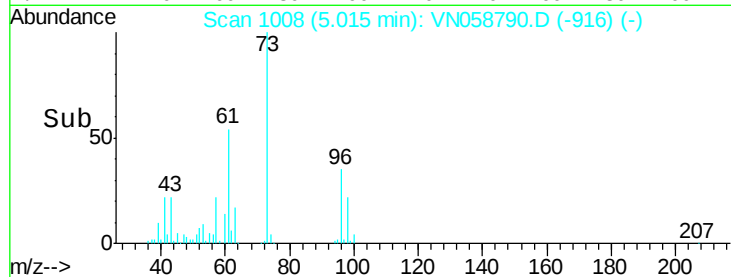
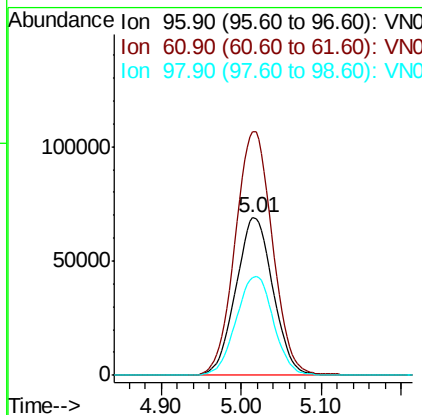
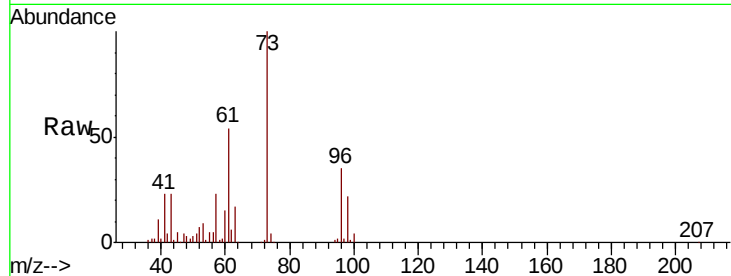
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	217645
Ion	Ratio	Lower	Upper
96	100		
61	154.8	123.6	185.4
98	62.2	52.1	78.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.937 ug/l

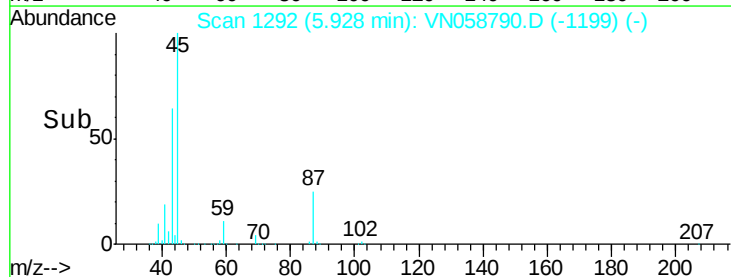
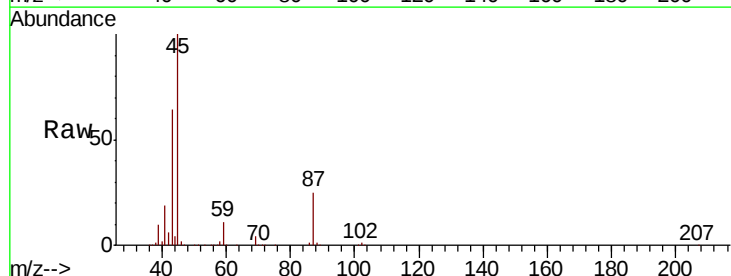
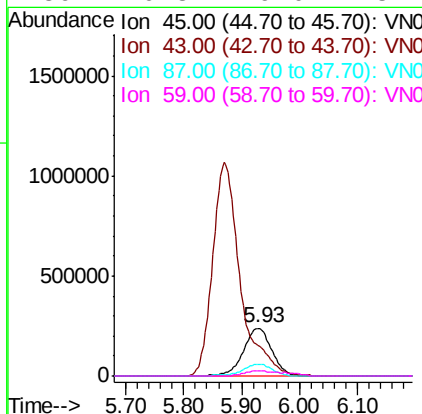
RT: 5.93 min Scan# 1292

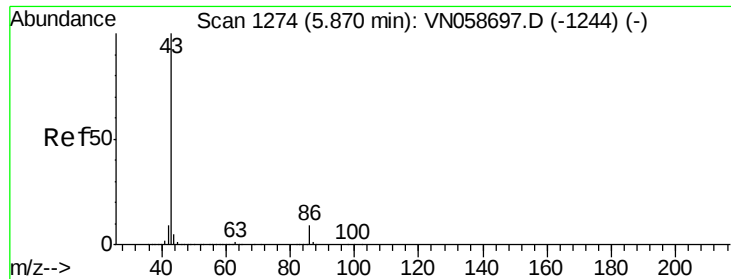
Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Tgt Ion:	45	Resp:	814062
Ion	Ratio	Lower	Upper
45	100		
43	63.4	50.6	75.8
87	25.2	21.1	31.7
59	10.8	9.0	13.4





#23

Vinyl Acetate

Concen: 284.027 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3524385

Ion Ratio Lower Upper

43 100

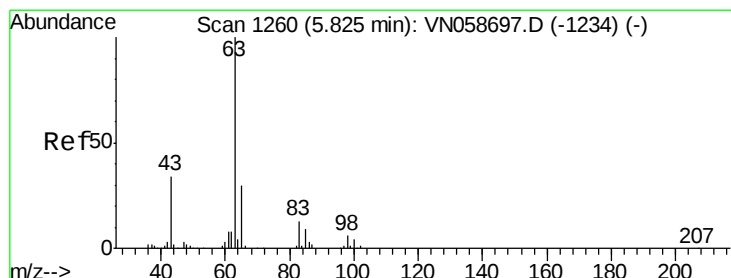
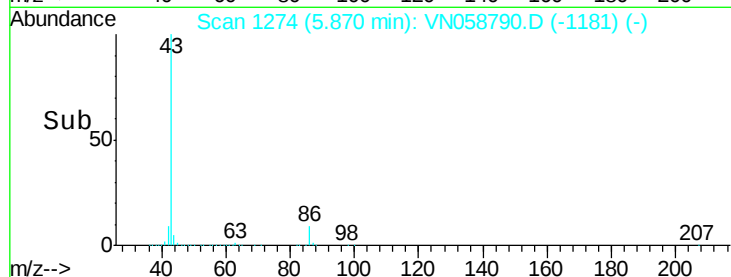
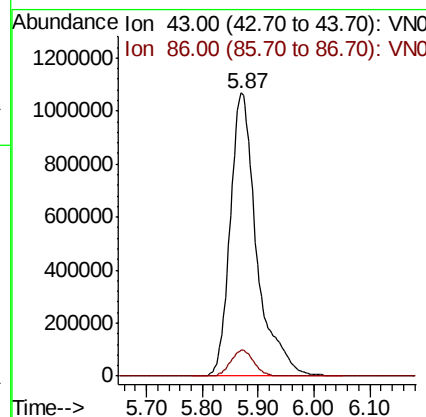
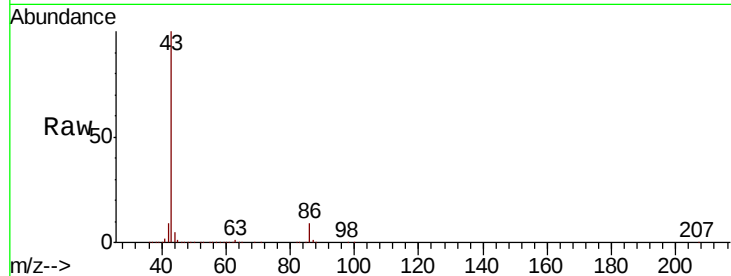
86 9.3 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.536 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

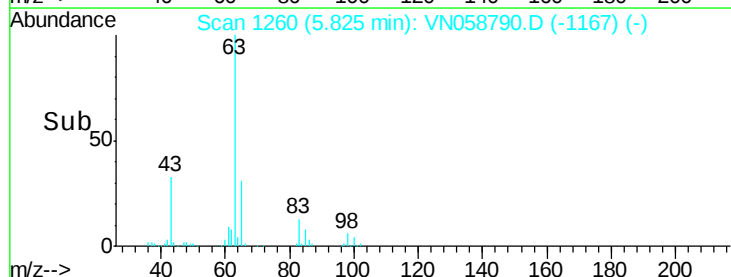
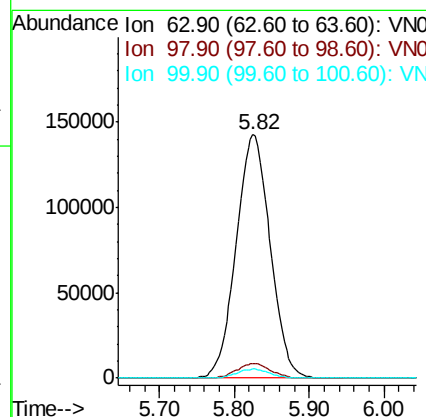
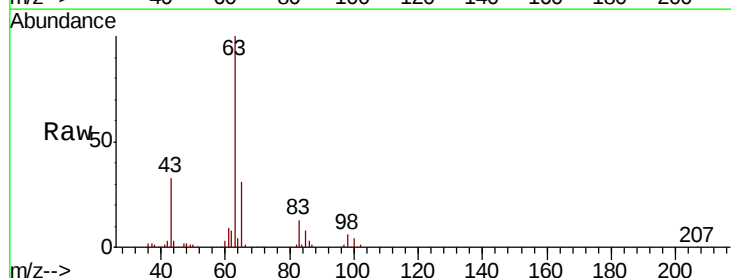
Tgt Ion: 63 Resp: 451368

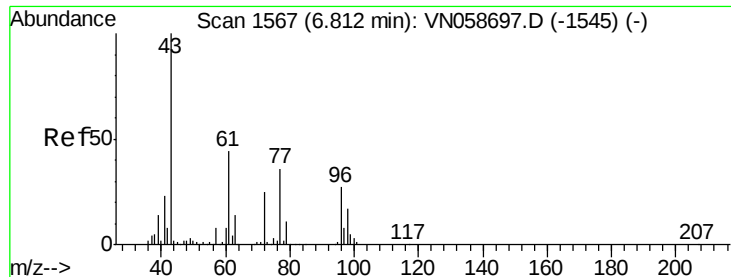
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

100 3.6 1.8 5.5





#25

2-Butanone

Concen: 269.782 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 922318

Ion Ratio Lower Upper

43 100

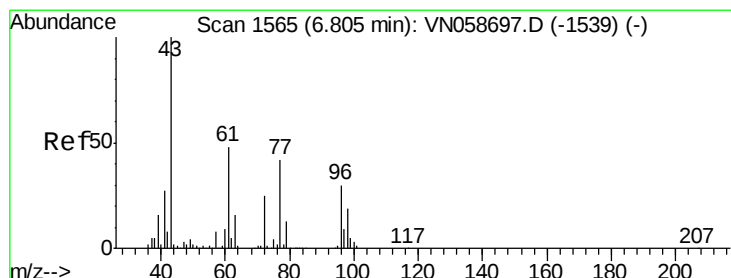
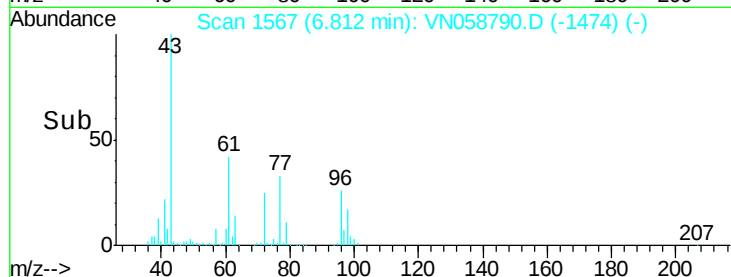
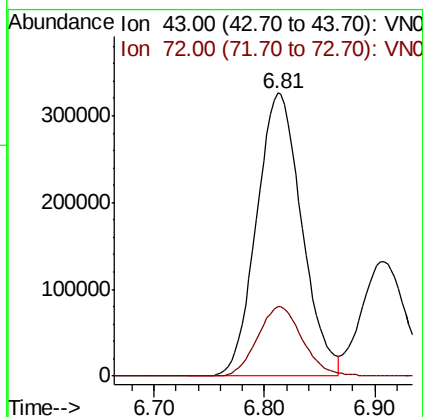
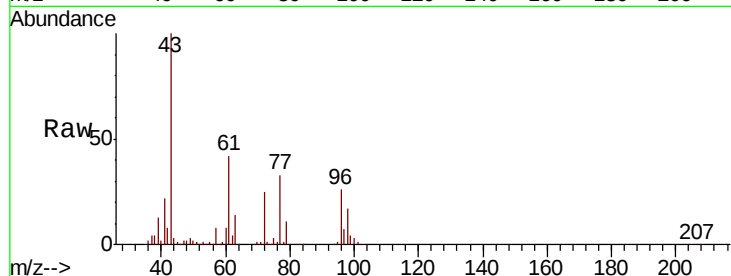
72 24.7 20.2 30.2

Manual Integrations

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10/18/2019 12:42:41 AM



#26

2,2-Dichloropropane

Concen: 47.930 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058790.D

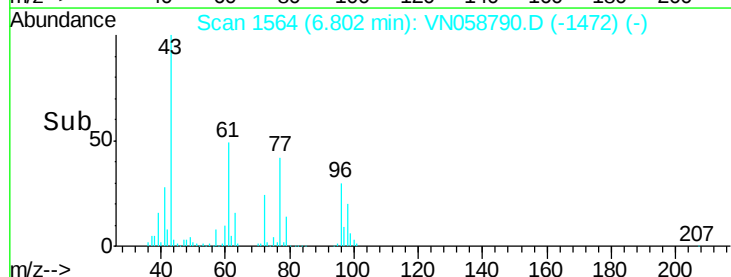
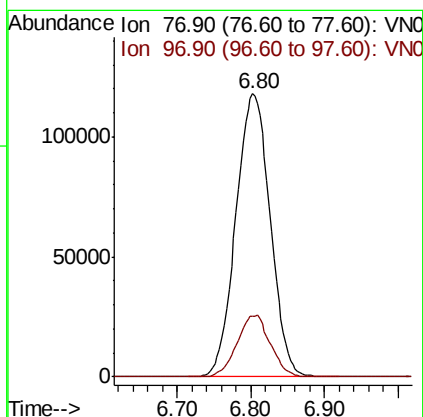
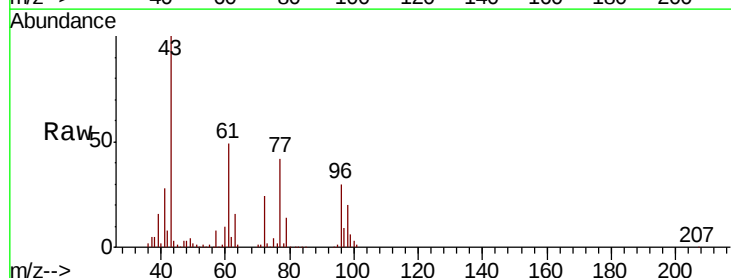
Acq: 15 Oct 2019 18:06

Tgt Ion: 77 Resp: 383196

Ion Ratio Lower Upper

77 100

97 21.0 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 49.683 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

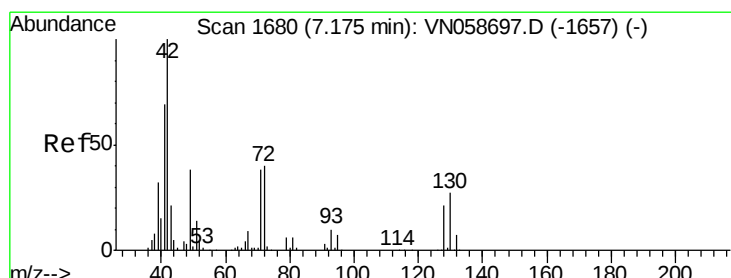
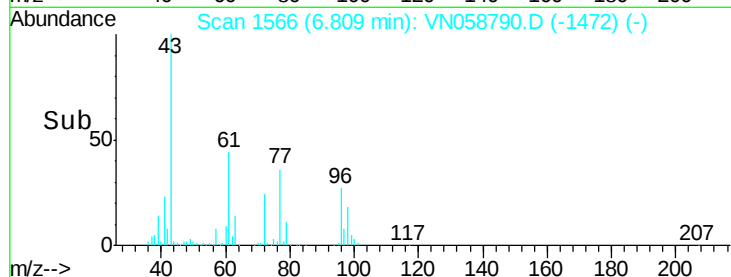
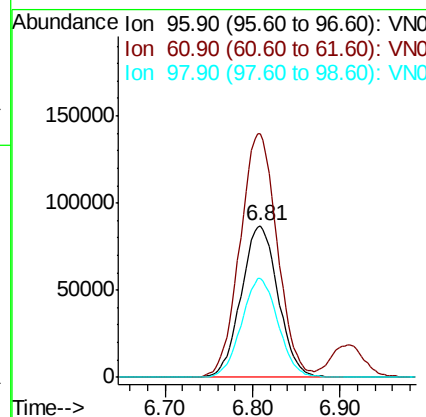
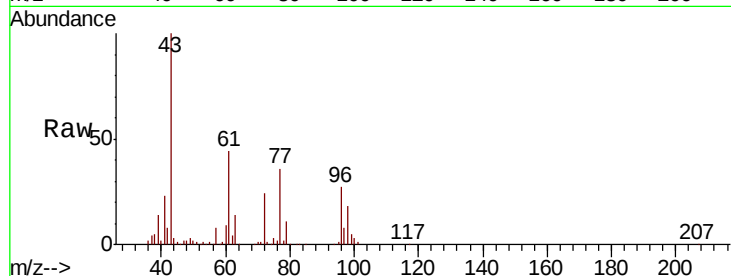
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	253985
Ion Ratio	Lower	Upper	
96	100		
61	162.6	0.0	324.8
98	64.9	0.0	129.2

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#28

Bromochloromethane

Concen: 50.777 ug/l

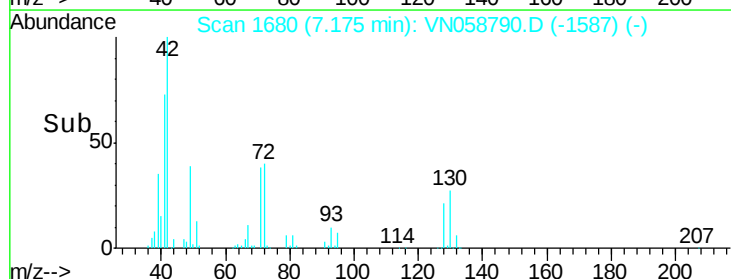
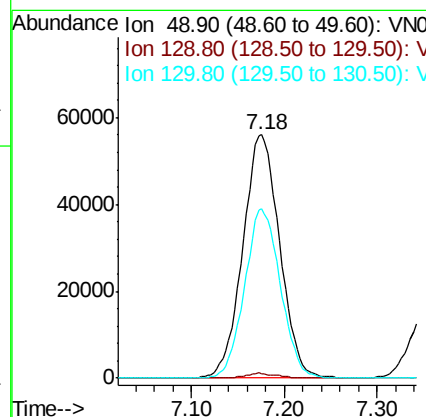
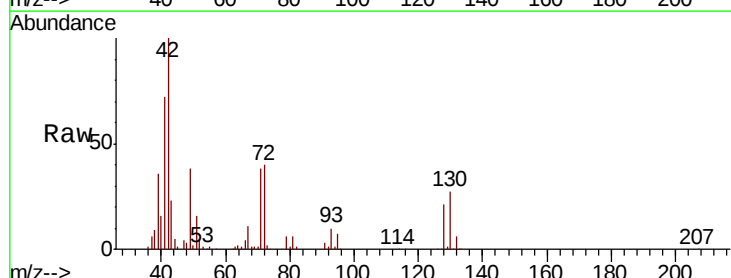
RT: 7.18 min Scan# 1680

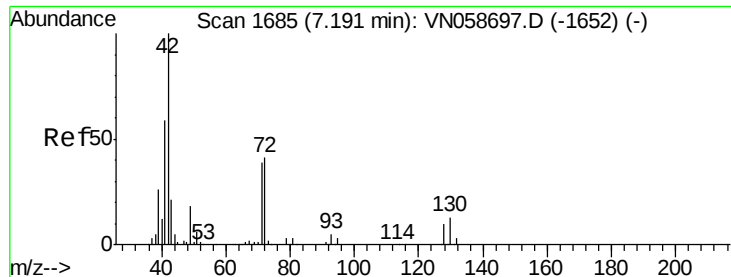
Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Tgt Ion:	49	Resp:	154714
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.6
130	67.4	55.0	82.4





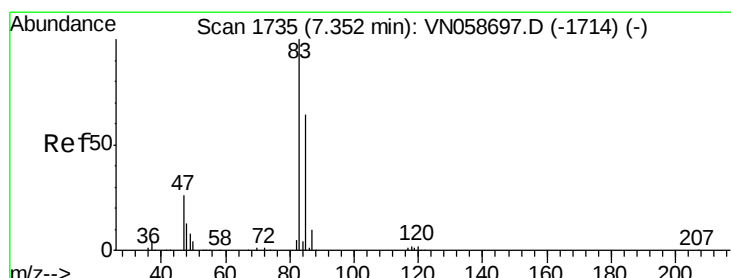
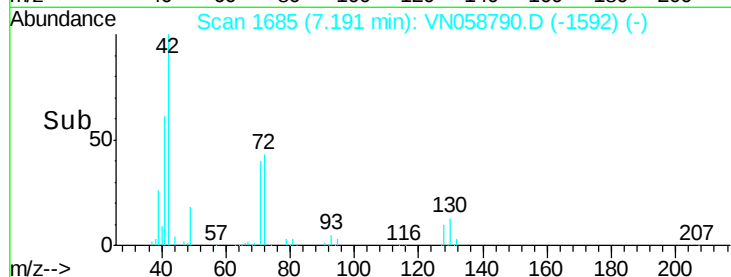
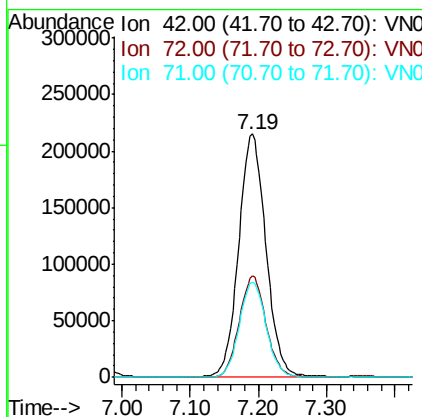
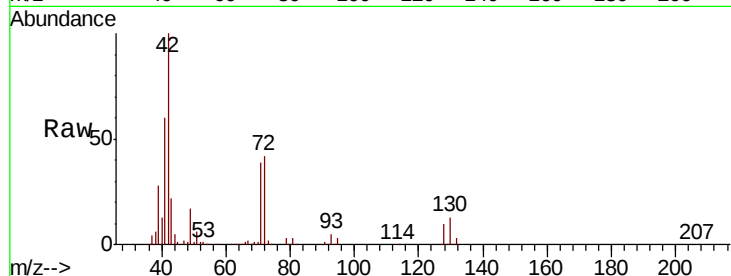
#29
Tetrahydrofuran
Concen: 270.818 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.8	49.2
71	38.5	31.1	46.7

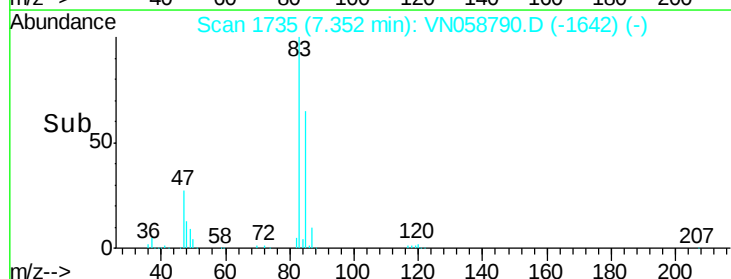
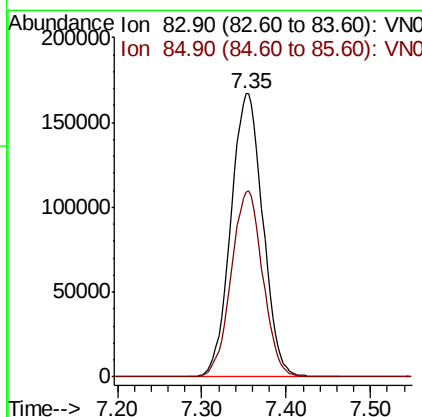
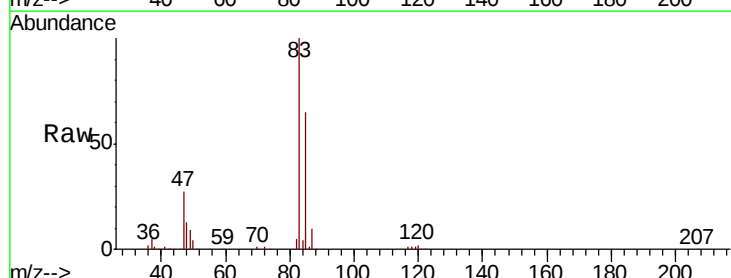
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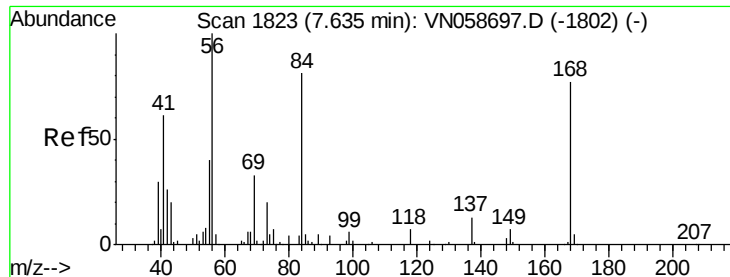
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#30
Chloroform
Concen: 50.068 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.0	76.6





#31

Cyclohexane

Concen: 48.847 ug/l

RT: 7.64 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

ClientSampleId :

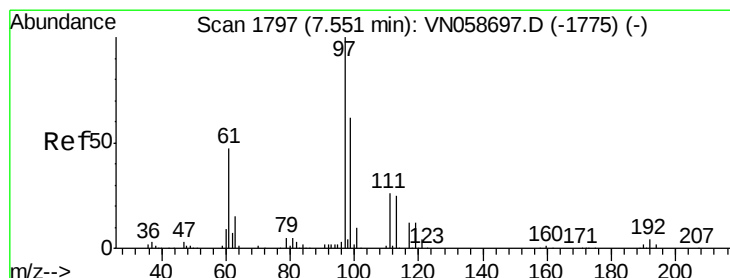
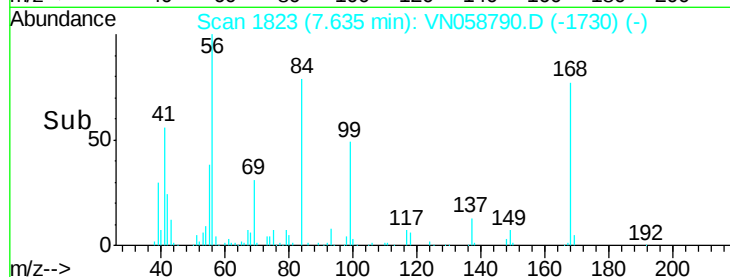
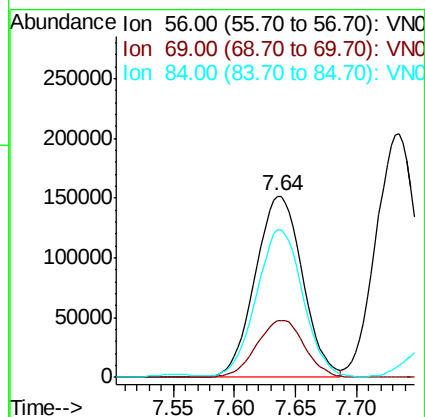
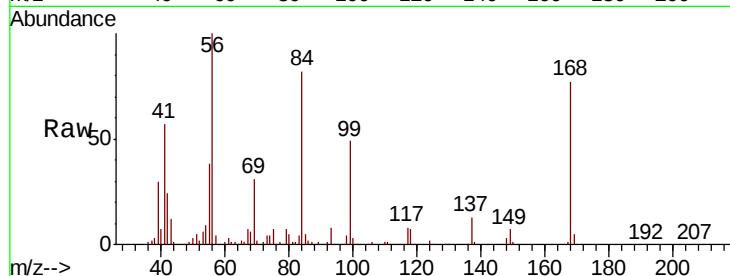
VSTDCCC050EC

Tot Ion: 56 Resp: 409340

Ion	Ratio	Lower	Upper
56	100		
69	31.1	26.2	39.4
84	80.4	64.9	97.3

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#32

1,1,1-Trichloroethane

Concen: 51.996 ug/l

RT: 7.55 min Scan# 1797

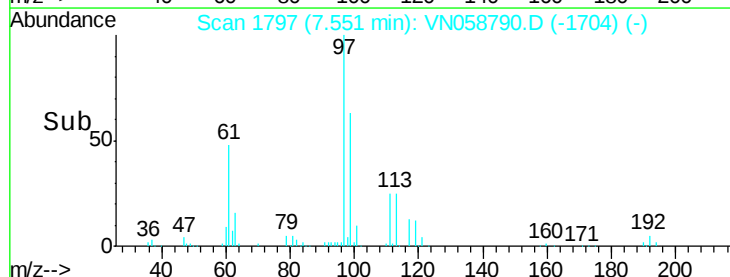
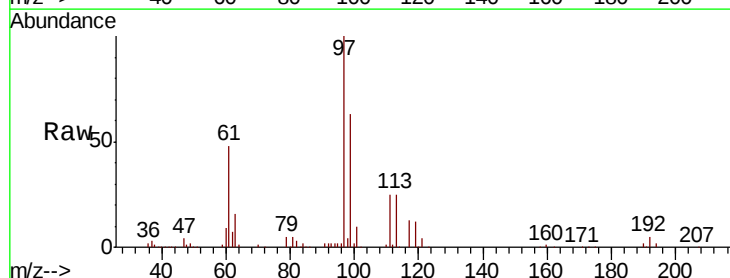
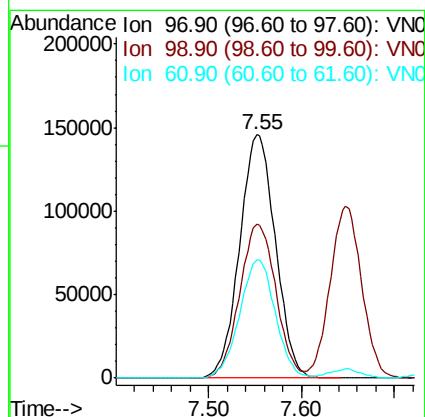
Delta R.T. 0.00 min

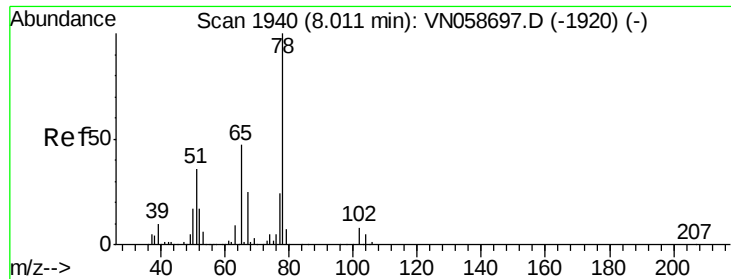
Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Tgt Ion: 97 Resp: 390200

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.8	76.2
61	48.5	38.1	57.1





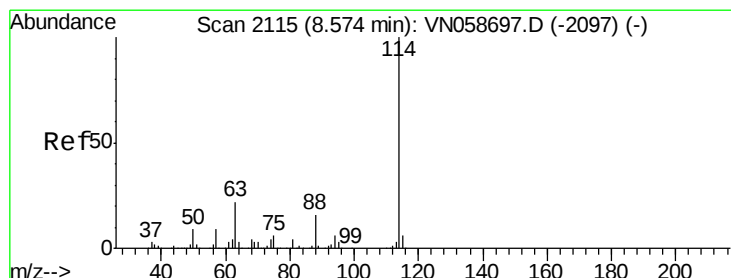
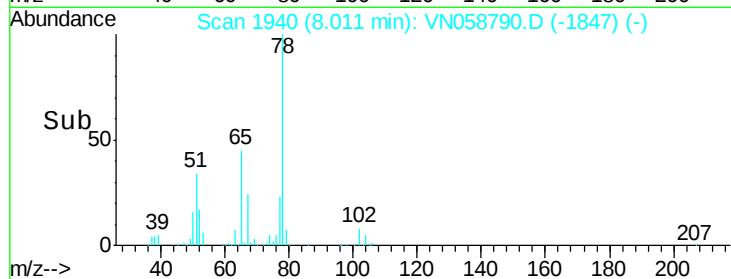
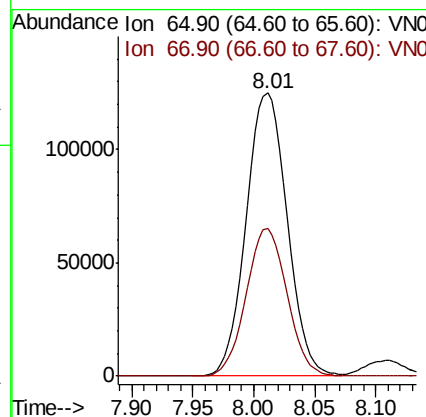
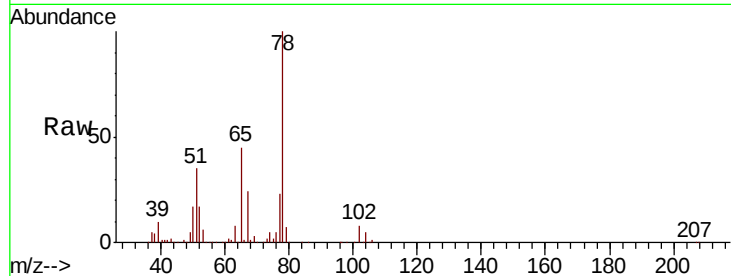
#33
 1,2-Dichloroethane-d4
 Concen: 51.005 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	291406		
67	52.1	0.0	103.8	

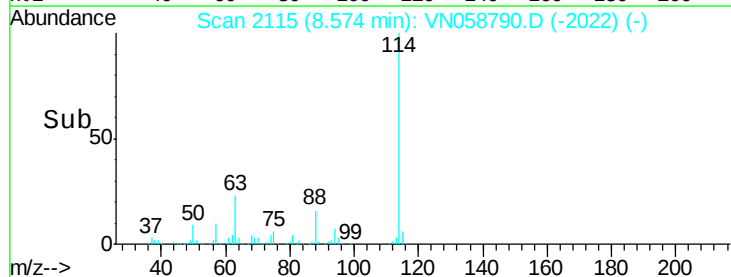
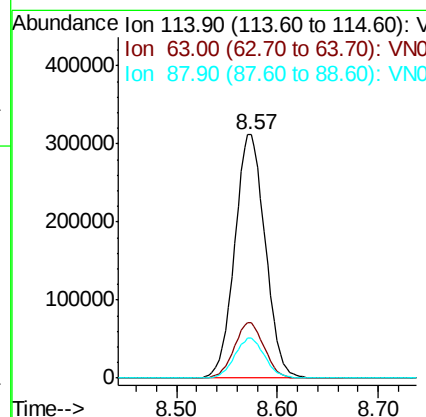
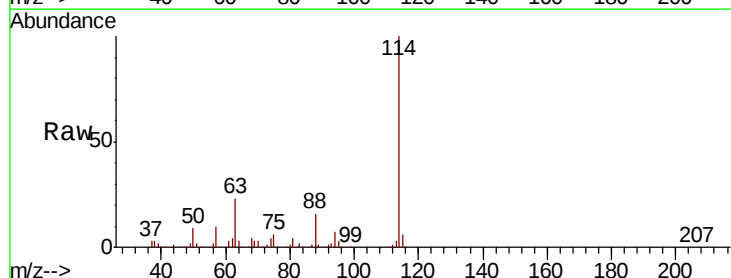
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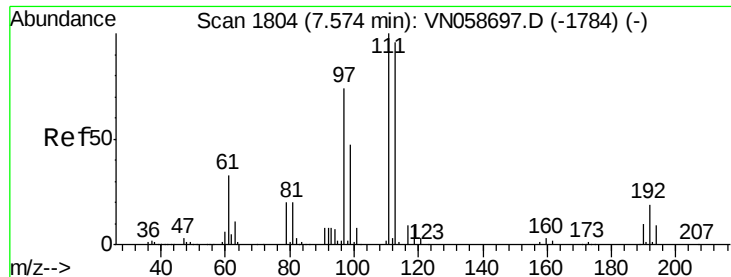
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	653303		
63	22.8	0.0	43.8	
88	16.4	0.0	32.0	





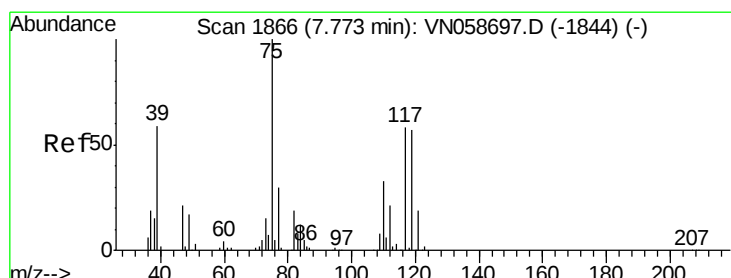
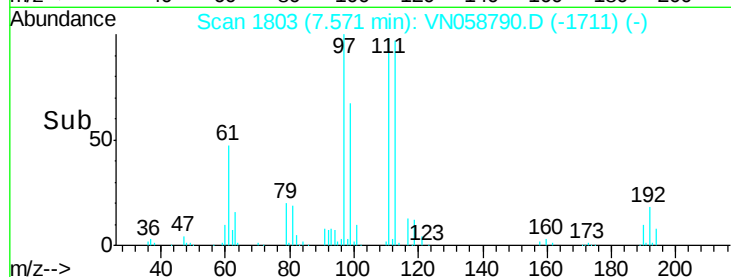
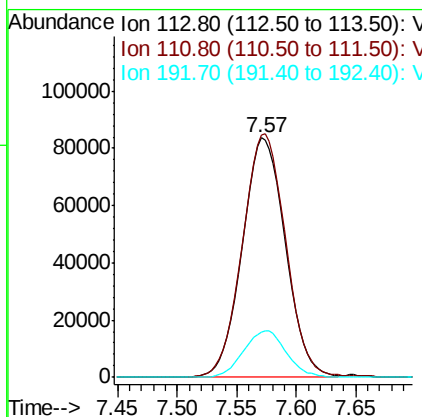
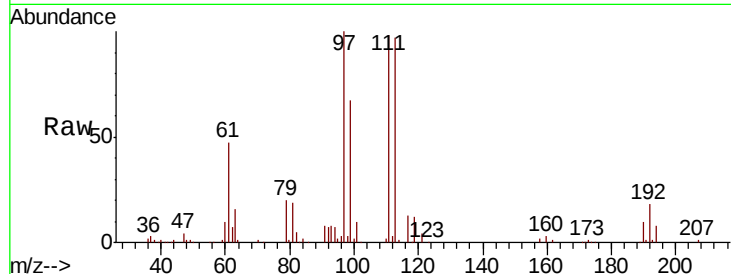
#35
 Dibromofluoromethane
 Concen: 52.178 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	82.3	123.5	
192	19.2	15.0	22.6	

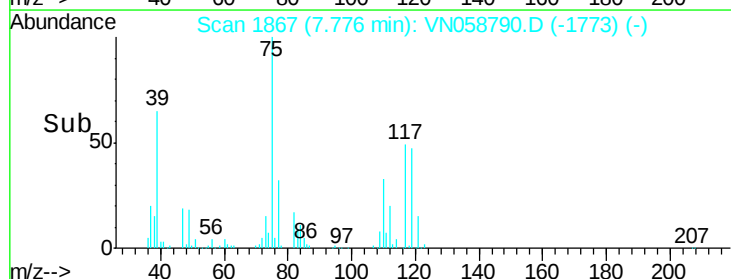
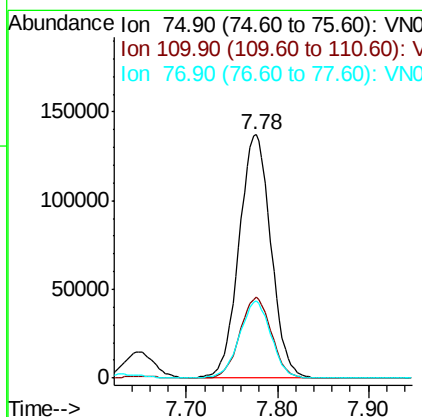
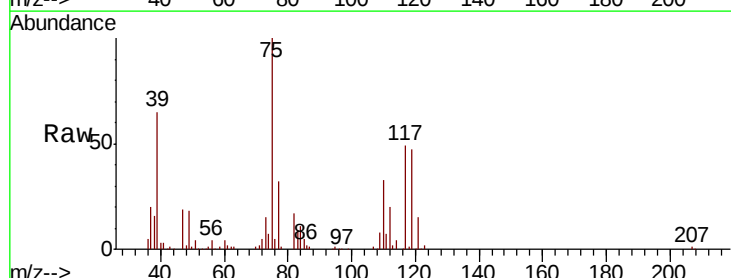
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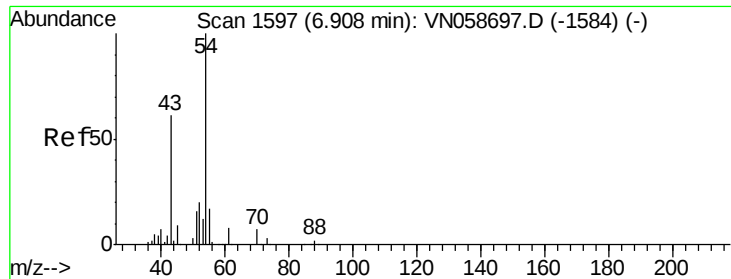
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#36
 1,1-Dichloropropene
 Concen: 50.342 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.9	16.6	49.8	
77	31.7	24.6	37.0	





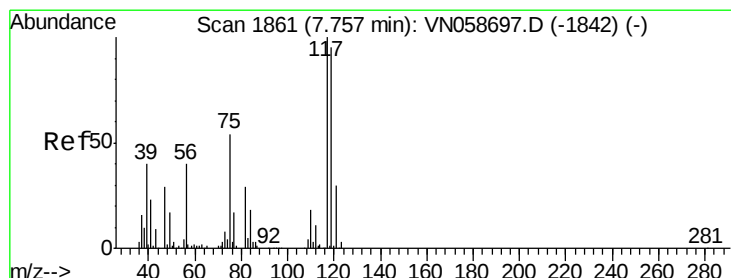
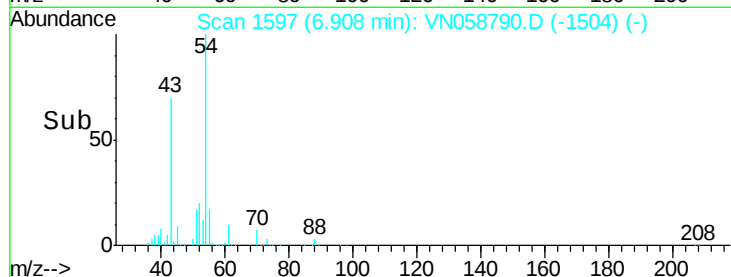
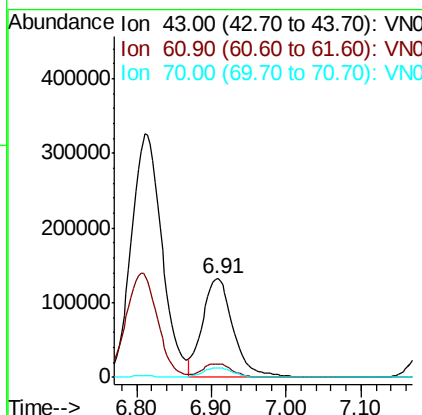
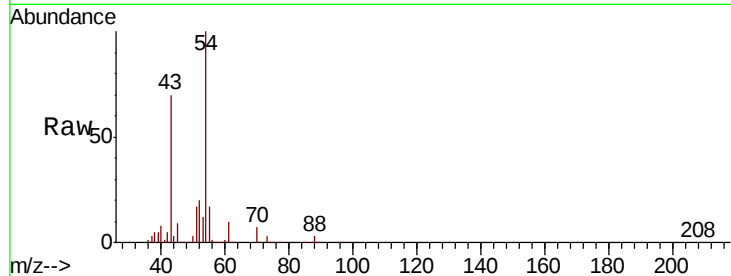
#37
Ethyl Acetate
Concen: 56.142 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.3	16.9
70	9.5	7.2	10.8

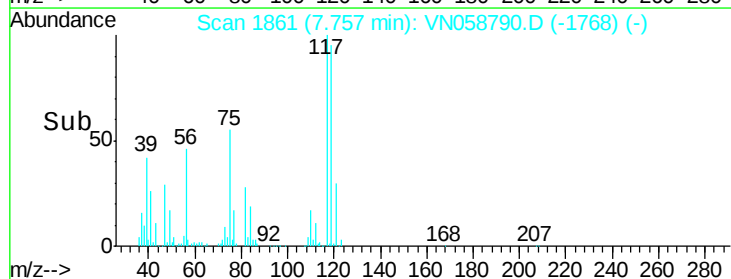
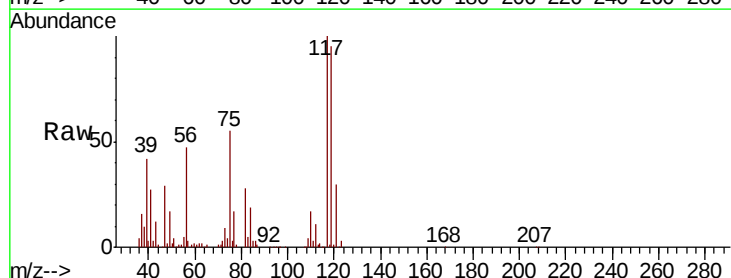
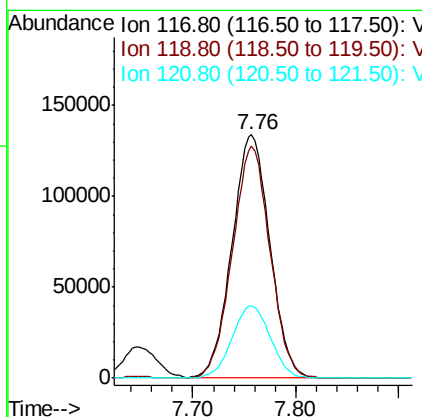
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#38
Carbon Tetrachloride
Concen: 53.206 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.7	113.5
121	29.8	23.9	35.9





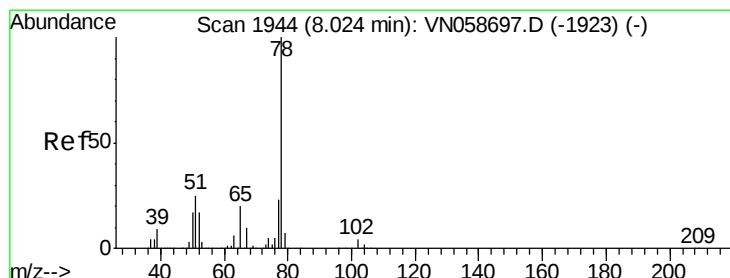
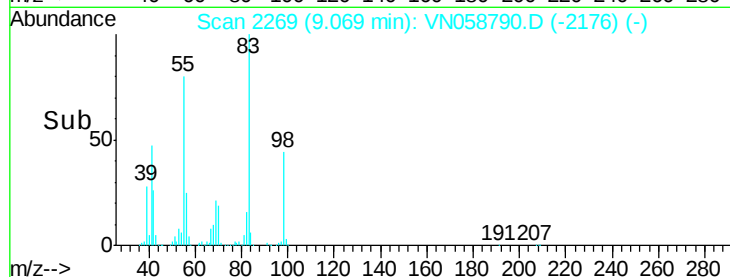
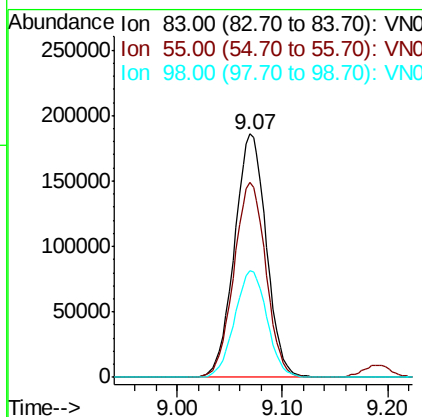
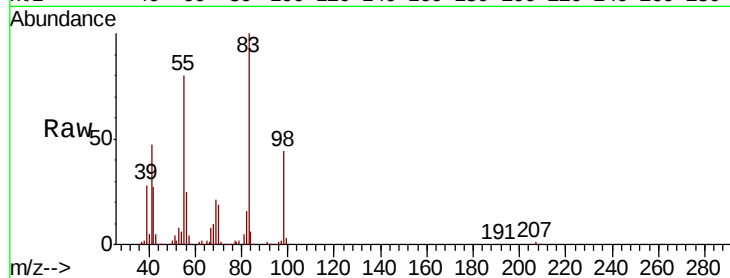
#39
Methvlcvclohexane
Concen: 50.751 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	63.4	95.0
98	43.6	35.1	52.7

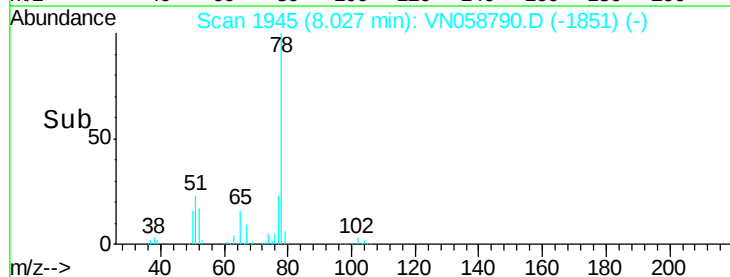
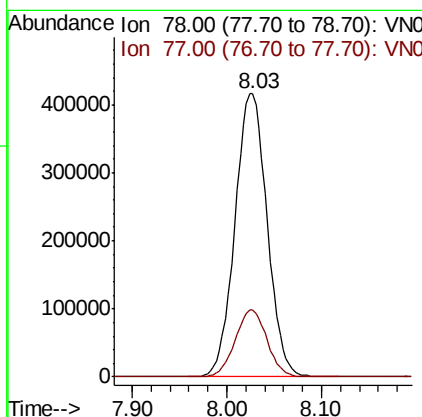
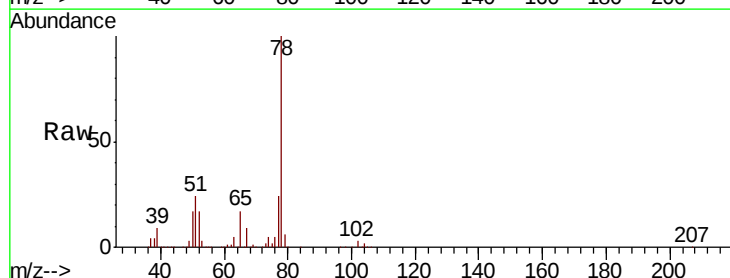
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#40
Benzene
Concen: 51.812 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





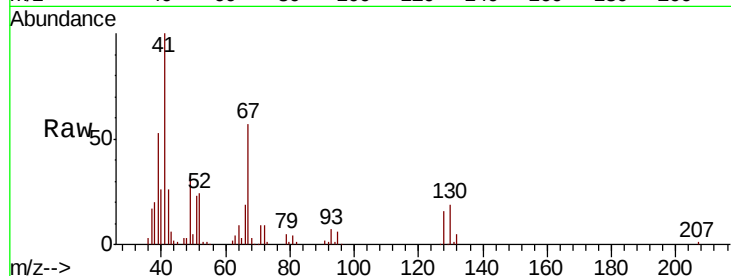
#41
Methacrylonitrile
Concen: 53.067 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

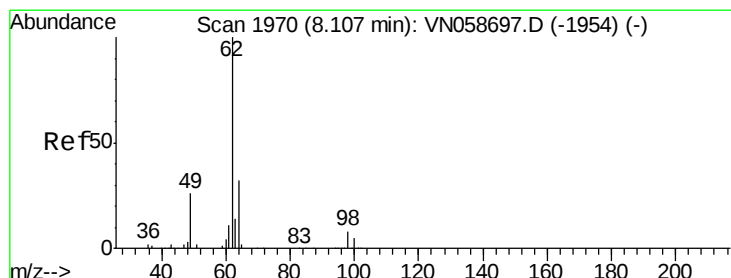
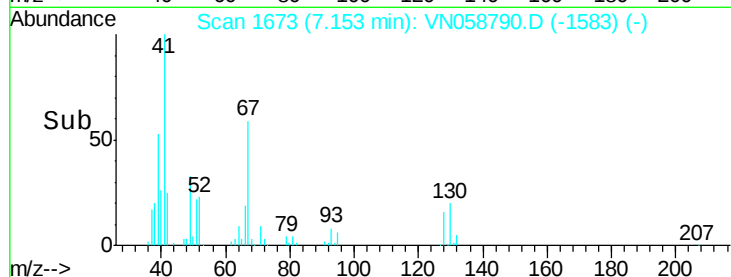
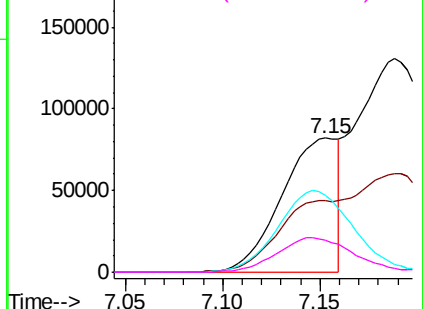
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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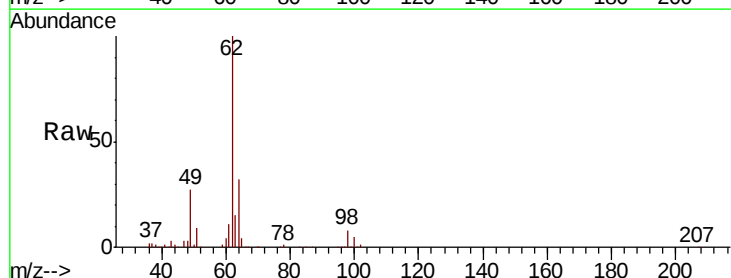


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

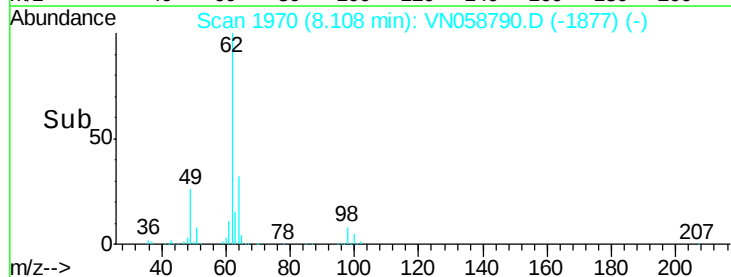
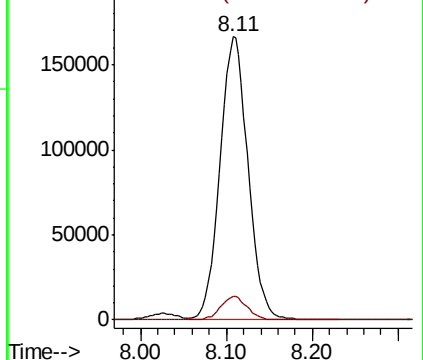


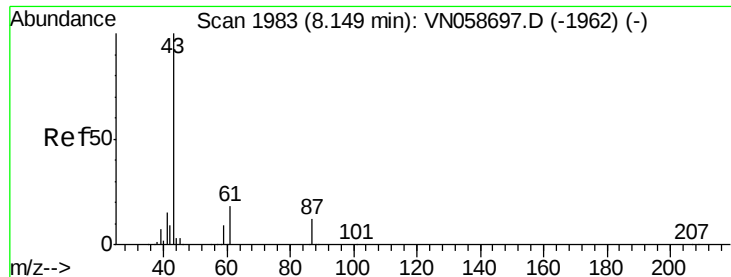
#42
1,2-Dichloroethane
Concen: 51.837 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





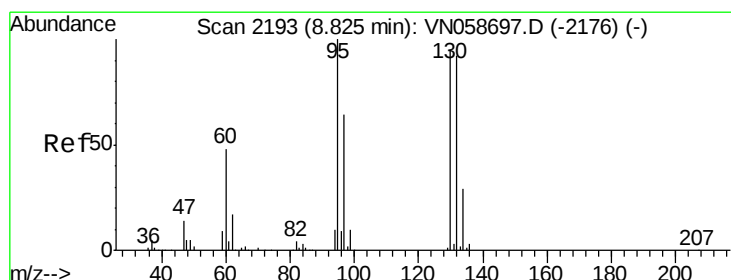
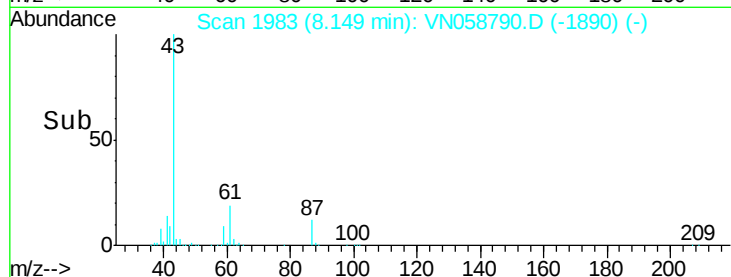
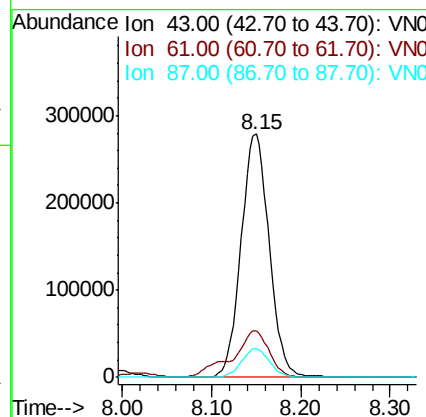
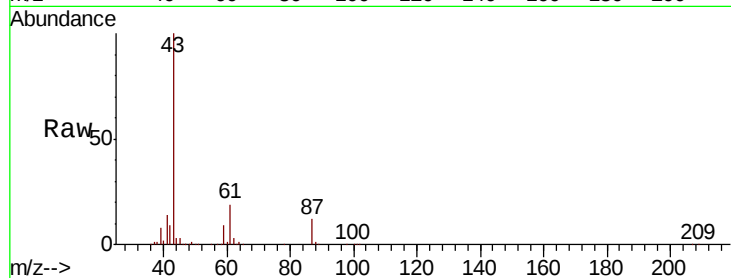
#43
Isopropyl Acetate
Concen: 53.449 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.3	30.5
87	11.8	9.8	14.6

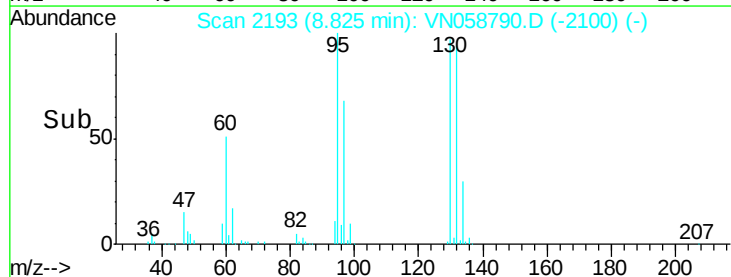
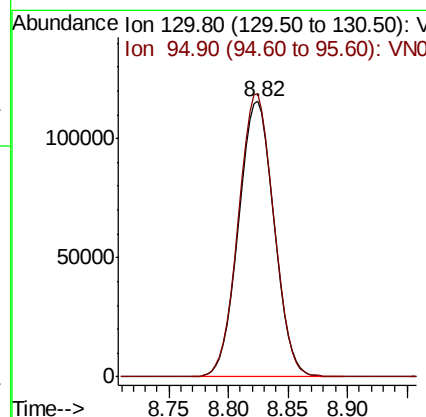
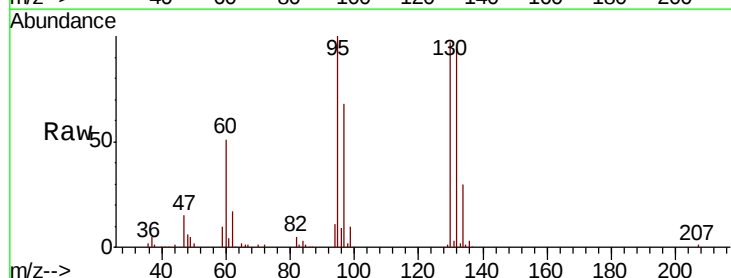
Manual Integrations
APPROVED

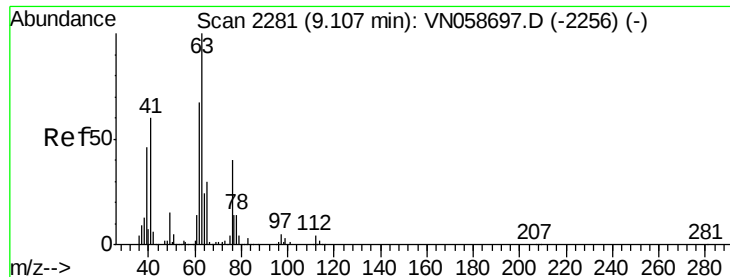
MMDadoda
10/18/2019 12:42:41 AM



#44
Trichloroethene
Concen: 50.911 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	211.2





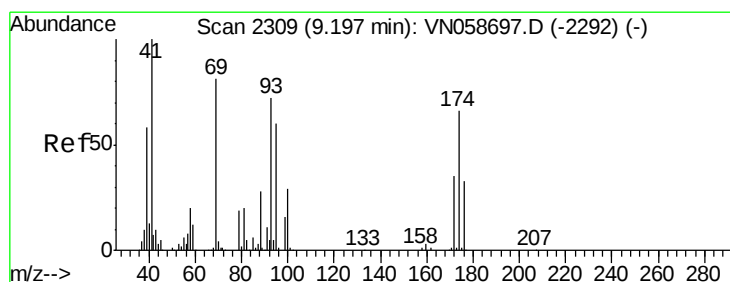
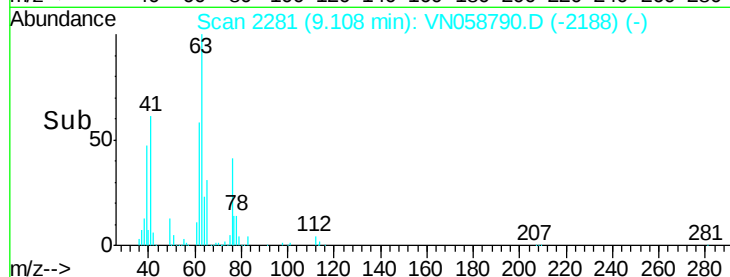
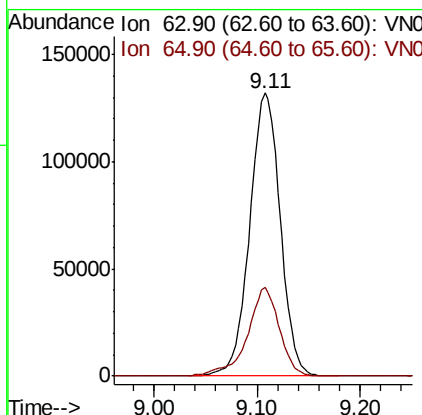
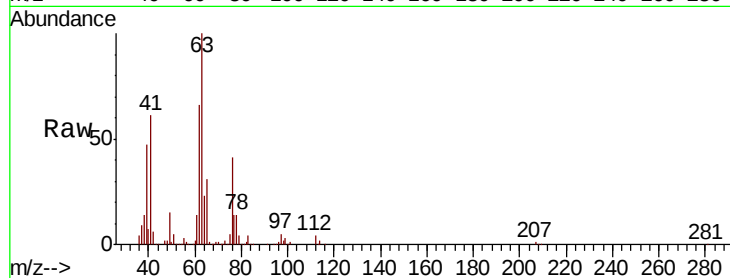
#45
 1,2-Dichloropropane
 Concen: 53.366 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.1	36.1

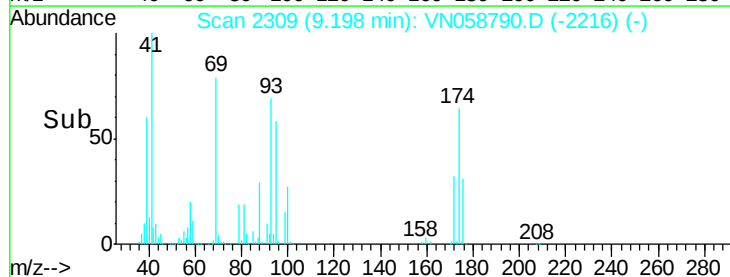
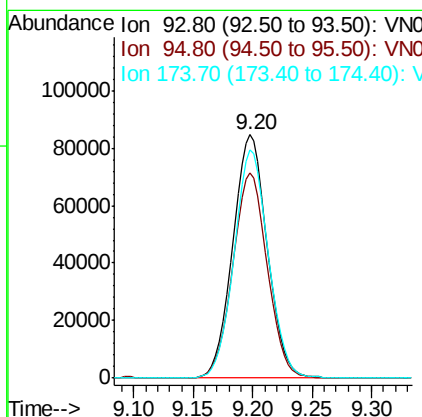
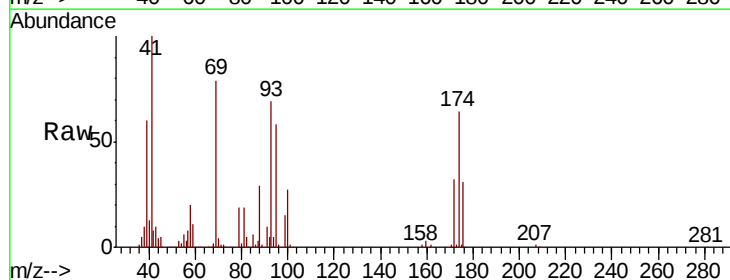
Manual Integrations
 APPROVED

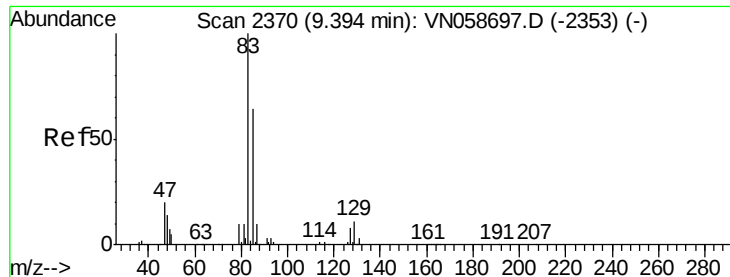
MMDadoda
 10/18/2019 12:42:41 AM



#46
 Dibromomethane
 Concen: 52.823 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	66.6	100.0
174	93.1	75.2	112.8





#47

Bromodichloromethane

Concen: 53.821 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

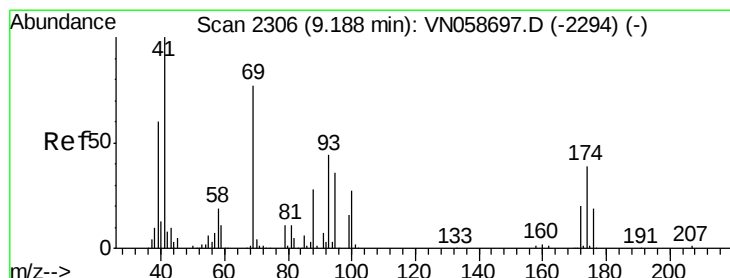
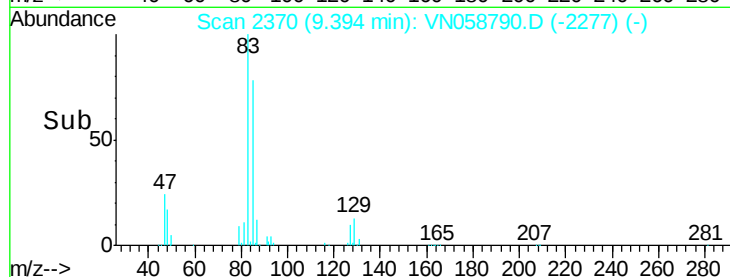
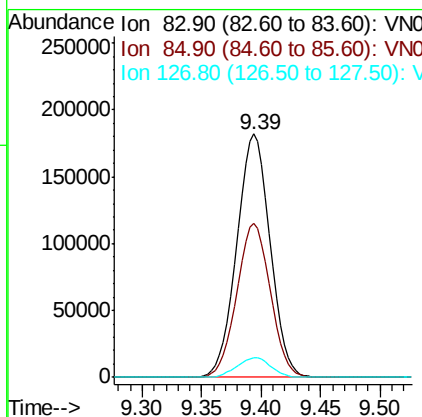
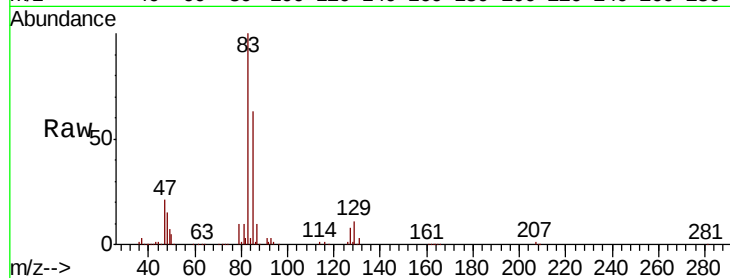
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	352879
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.9	76.3
127	8.1	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:42:41 AM



#48

Methyl methacrylate

Concen: 55.183 ug/l

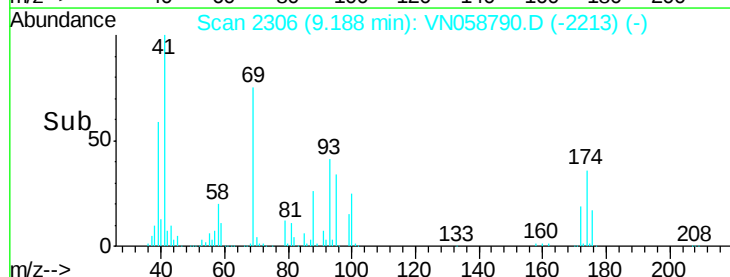
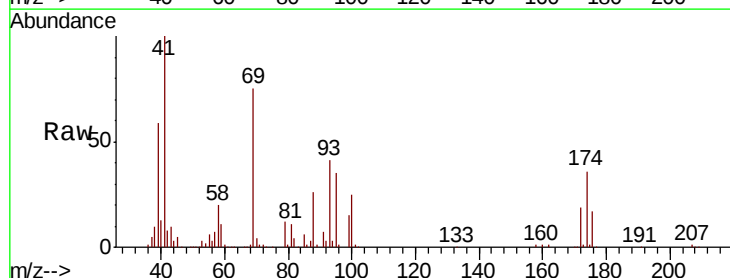
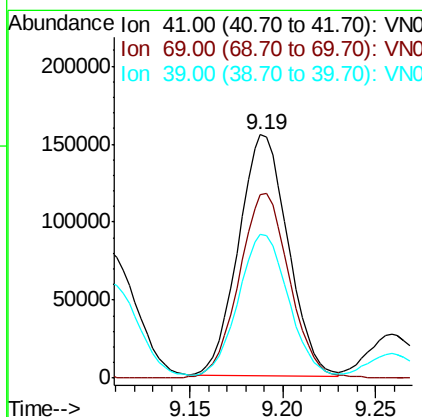
RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Tgt Ion:	41	Resp:	284663
Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.4	95.2
39	61.2	48.9	73.3





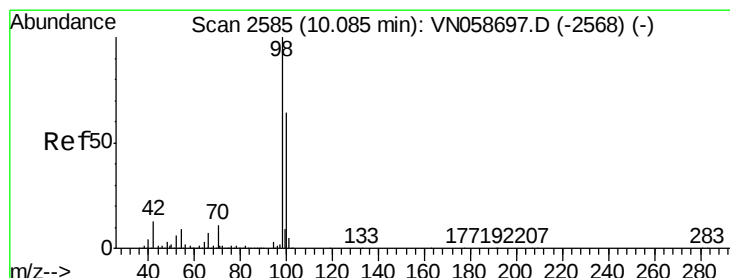
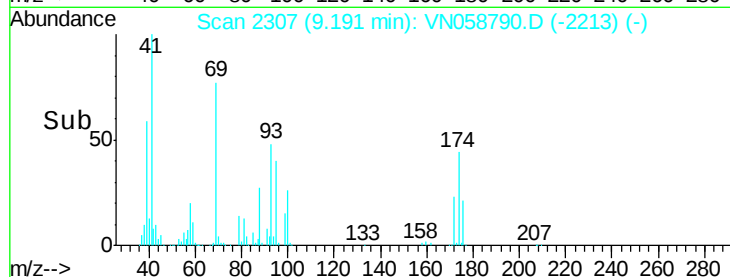
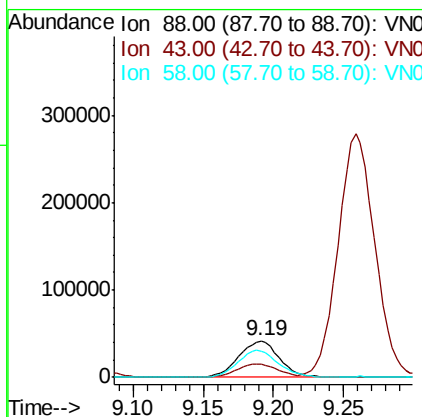
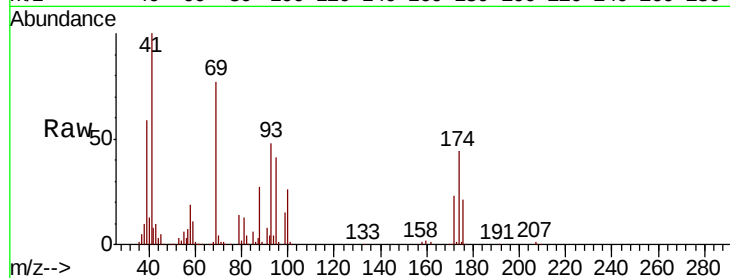
#49
1,4-Dioxane
Concen: 1058.504 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	28.6	43.0
58	74.3	57.2	85.8

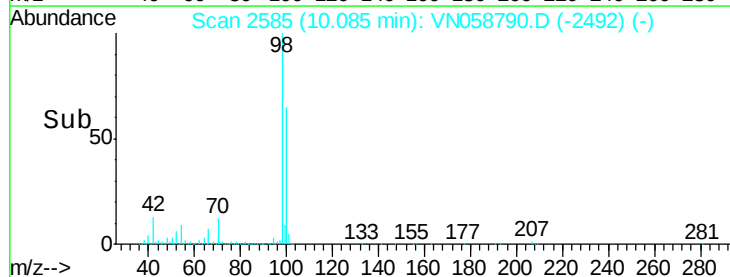
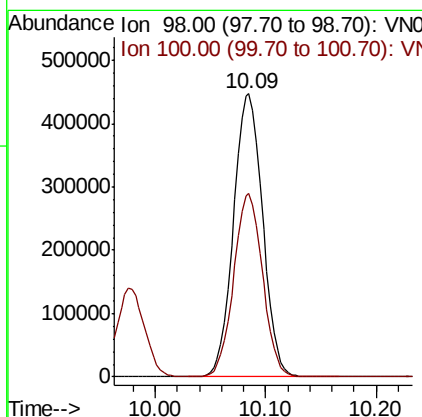
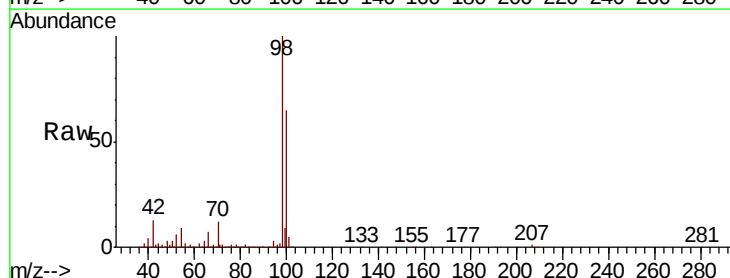
Manual Integrations
APPROVED

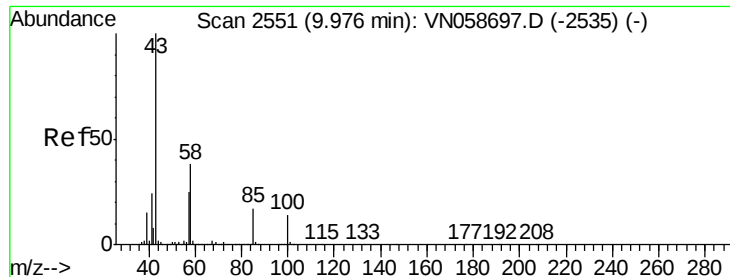
MMDadoda
10/18/2019 12:42:41 AM



#50
Toluene-d8
Concen: 50.769 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 297.429 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1900920

Ion Ratio Lower Upper

43 100

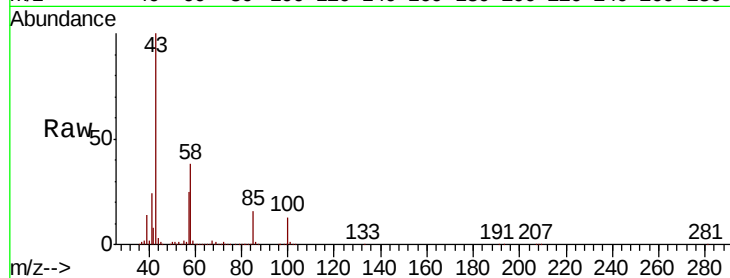
58 37.6 30.3 45.5

Manual Integrations

APPROVED

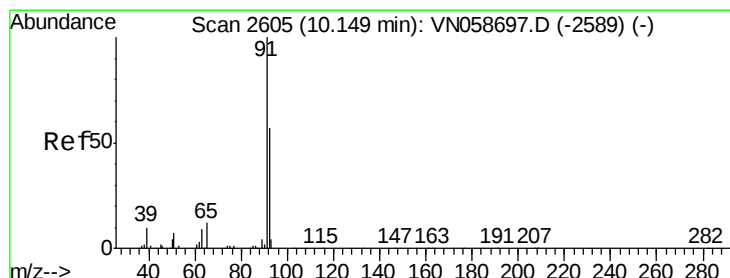
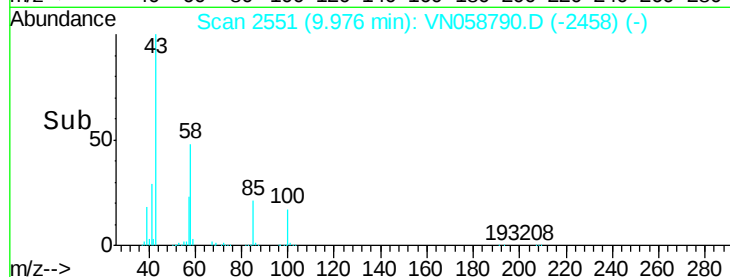
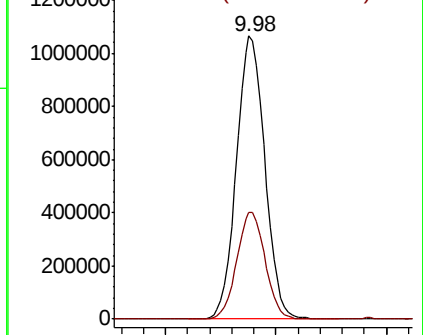
MMDadoda

10/18/2019 12:42:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.776 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058790.D

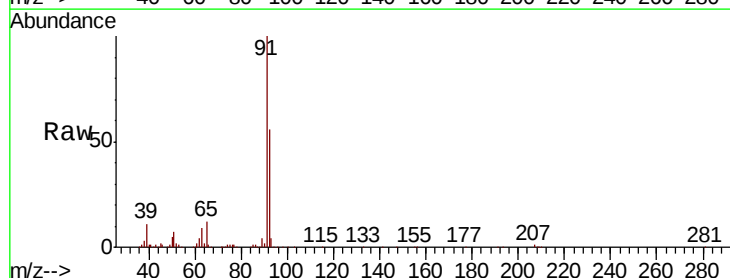
Acq: 15 Oct 2019 18:06

Tgt Ion: 92 Resp: 600741

Ion Ratio Lower Upper

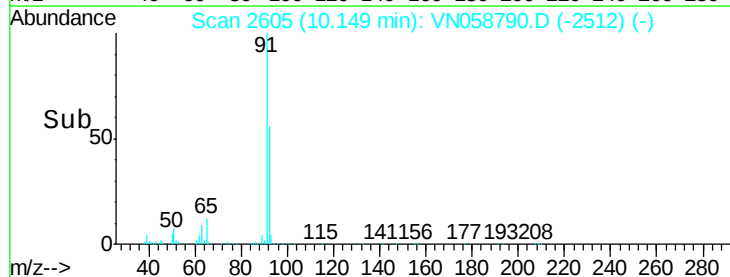
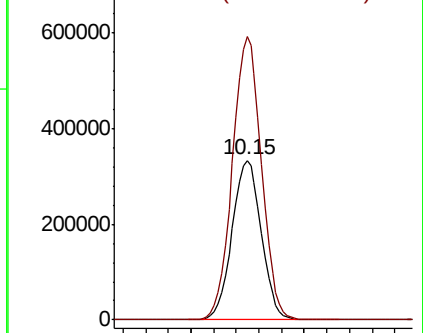
92 100

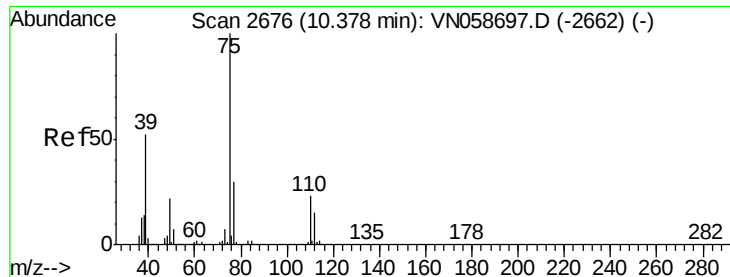
91 176.0 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





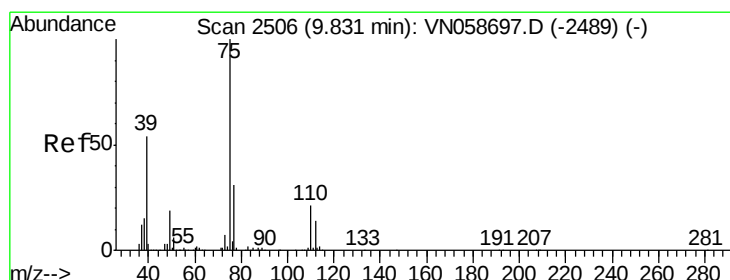
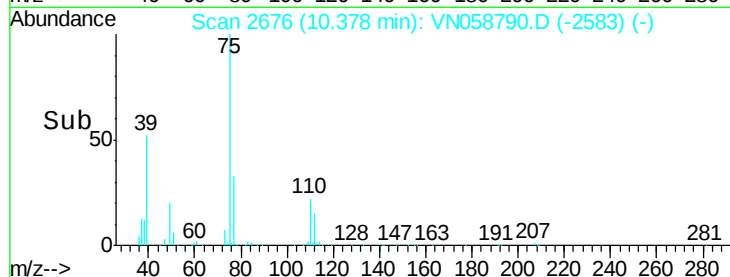
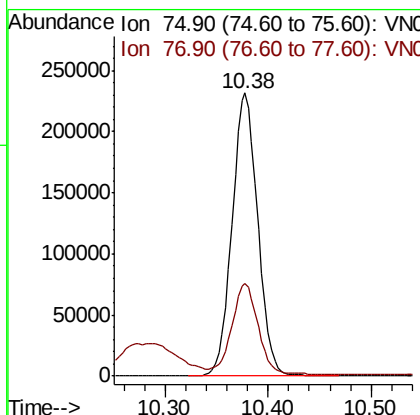
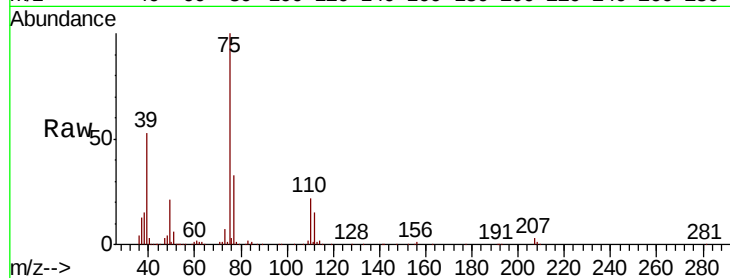
#53
t-1,3-Dichloropropene
Concen: 53.161 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.2	39.4

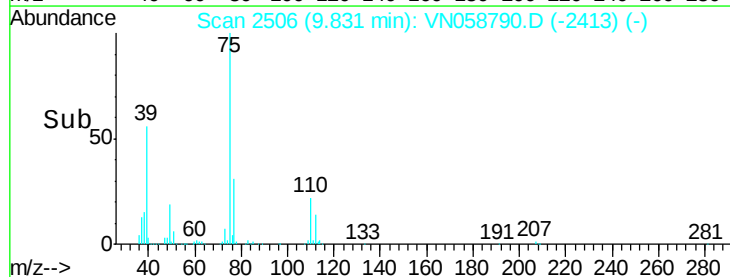
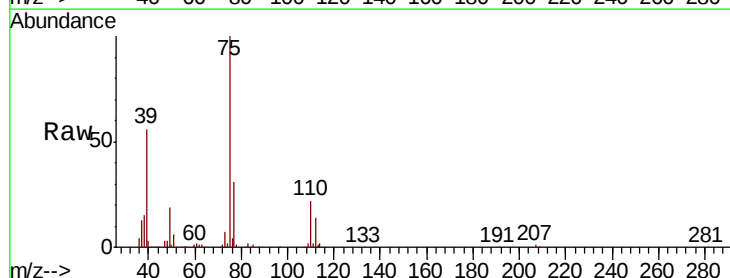
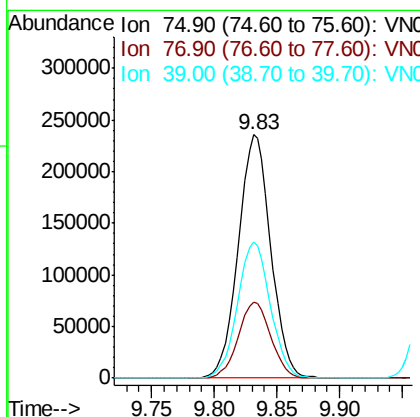
Manual Integrations
APPROVED

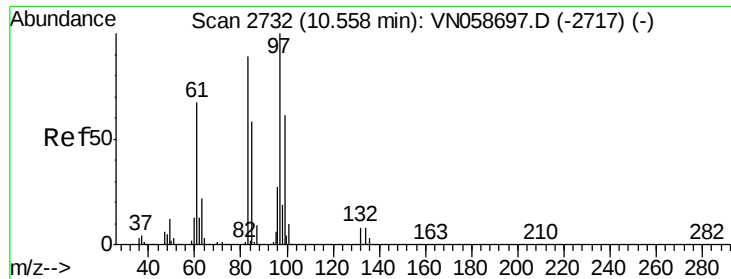
MMDadoda
10/18/2019 12:42:41 AM



#54
cis-1,3-Dichloropropene
Concen: 53.129 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.4	36.6
39	56.0	43.1	64.7





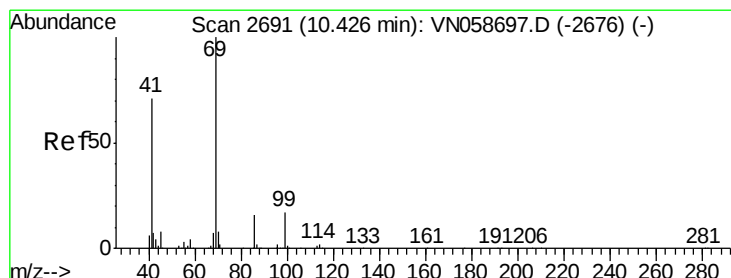
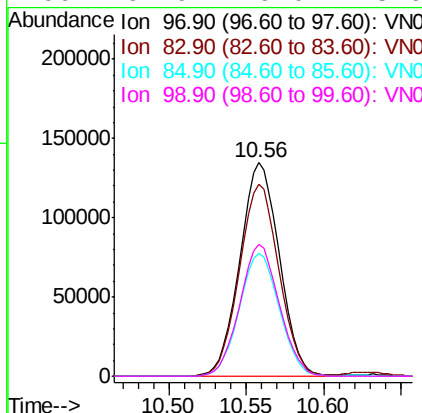
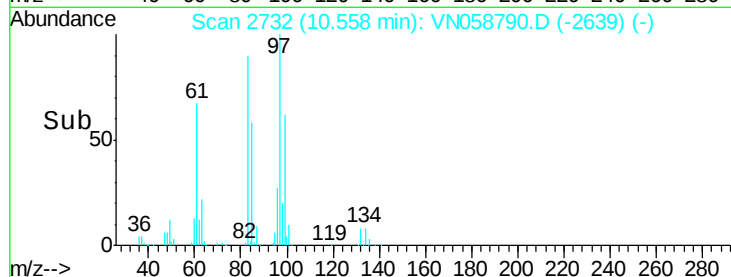
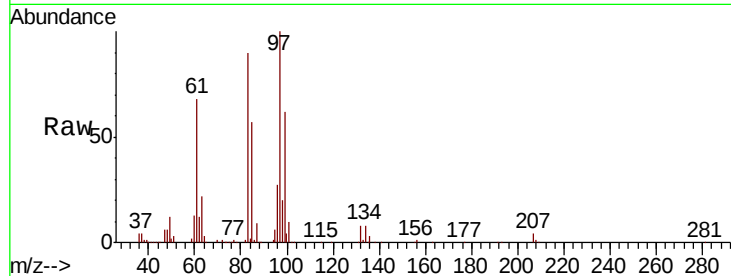
#55
 1,1,2-Trichloroethane
 Concen: 50.308 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		238911		
83	89.9	71.2	106.8		
85	57.5	46.7	70.1		
99	61.9	49.0	73.6		

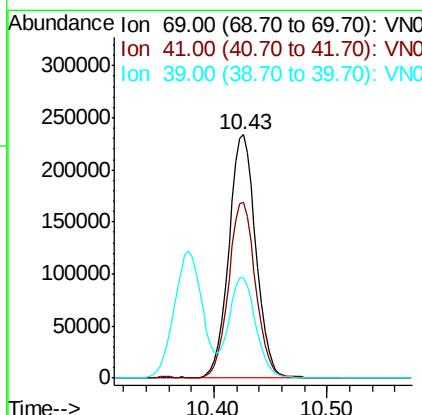
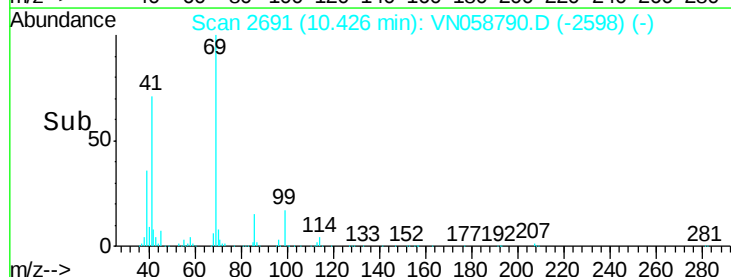
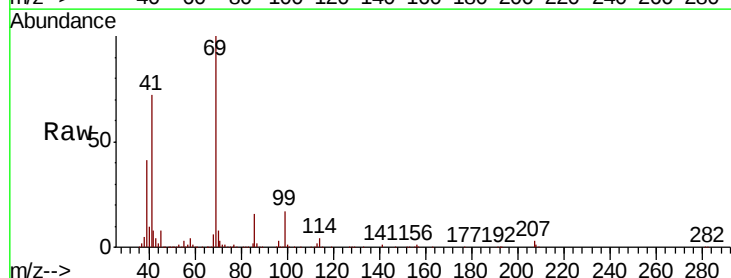
Manual Integrations
 APPROVED

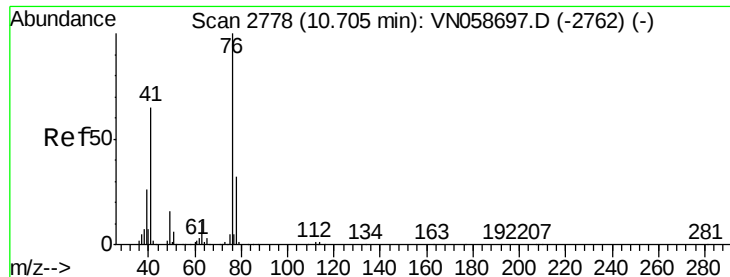
MMDadoda
 10/18/2019 12:42:41 AM



#56
 Ethyl methacrylate
 Concen: 55.986 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		388422		
41	71.6	56.8	85.2		
39	40.4	32.5	48.7		





#57

1,3-Dichloropropane

Concen: 52.782 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 427136

Ion Ratio Lower Upper

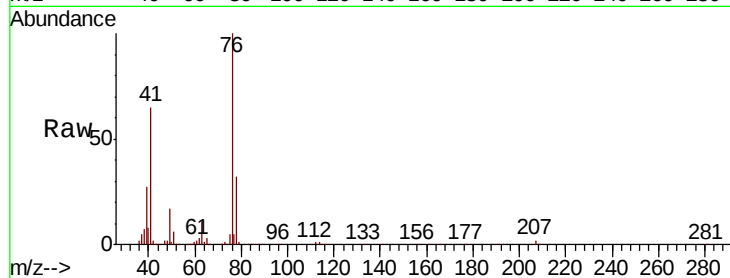
76 100

78 32.4 25.9 38.9

Manual Integrations
APPROVED

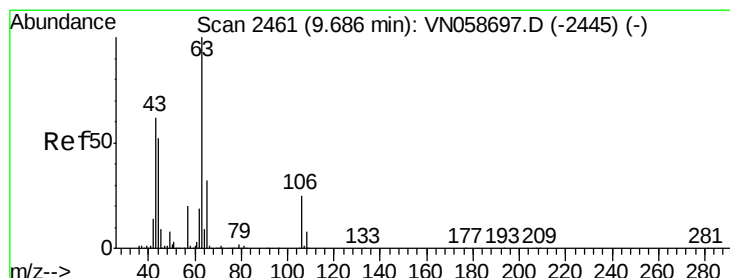
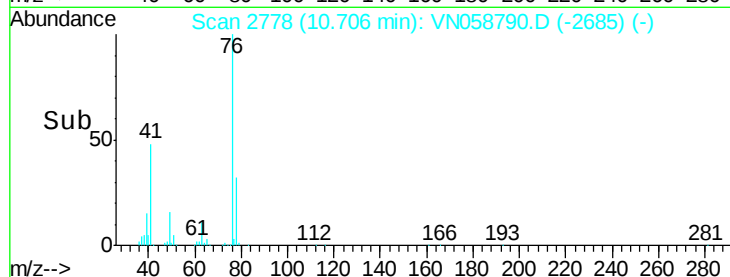
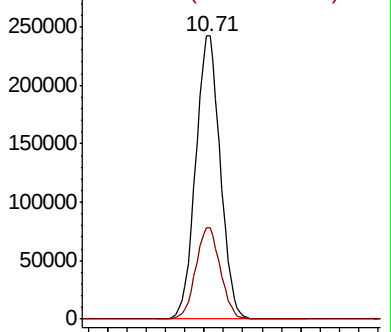
MMDadoda

10/18/2019 12:42:41 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 275.402 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058790.D

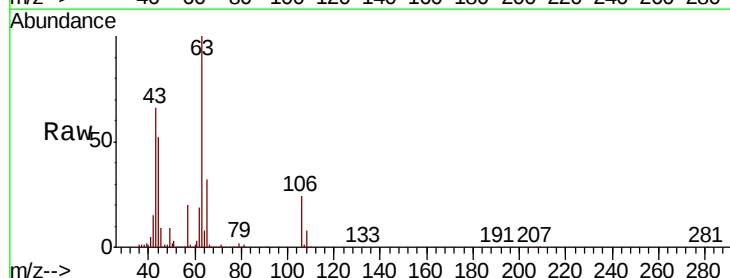
Acq: 15 Oct 2019 18:06

Tgt Ion: 63 Resp: 920803

Ion Ratio Lower Upper

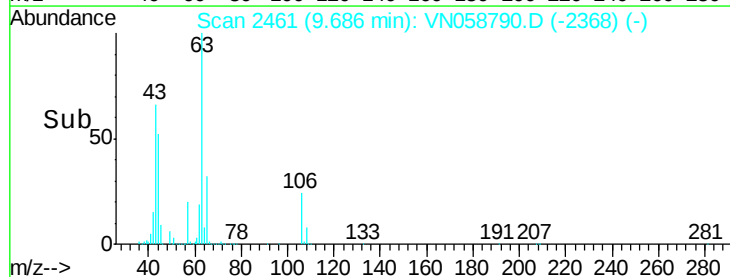
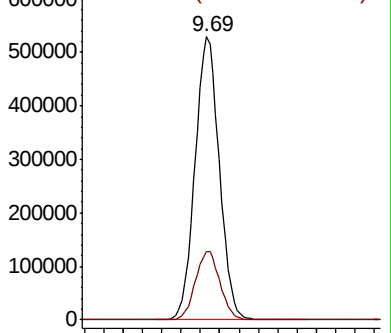
63 100

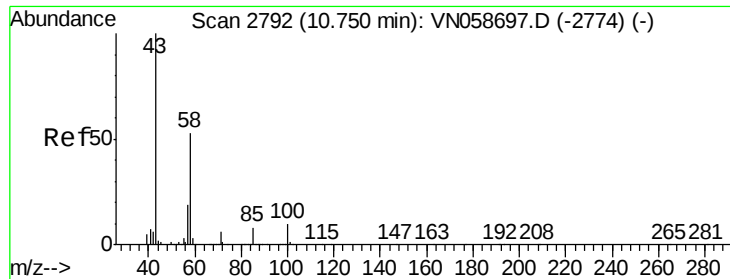
106 24.5 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





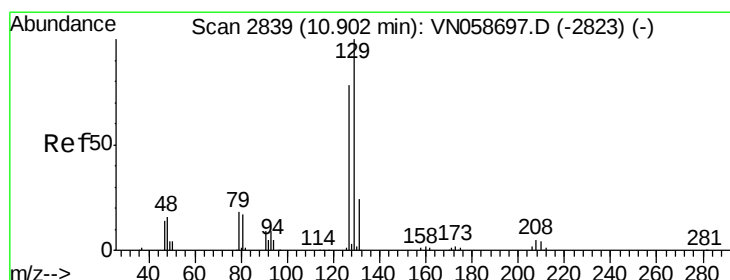
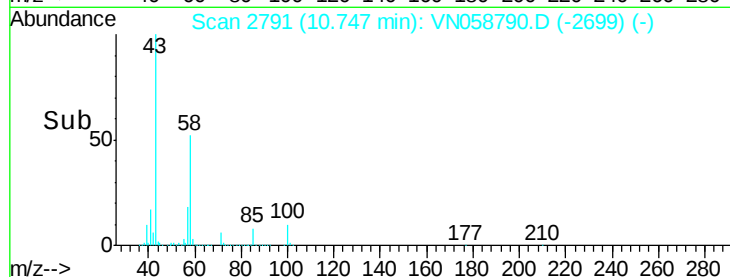
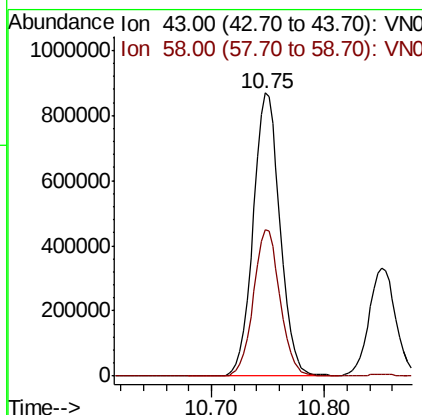
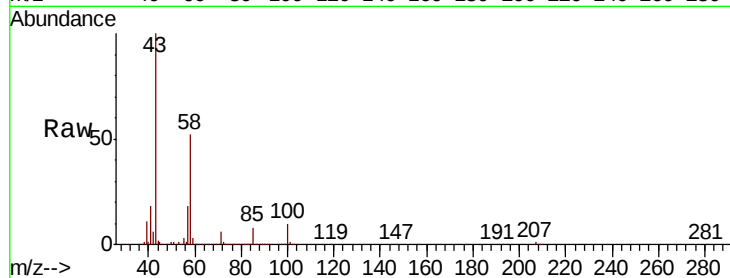
#59
2-Hexanone
Concen: 289.389 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1429328
Ion Ratio Lower Upper
43 100
58 51.4 26.1 78.3

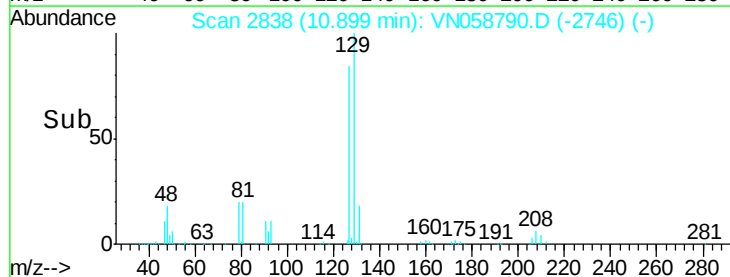
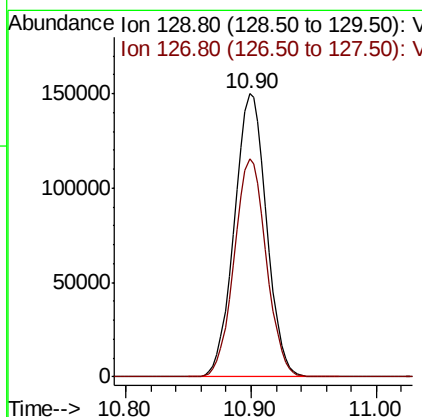
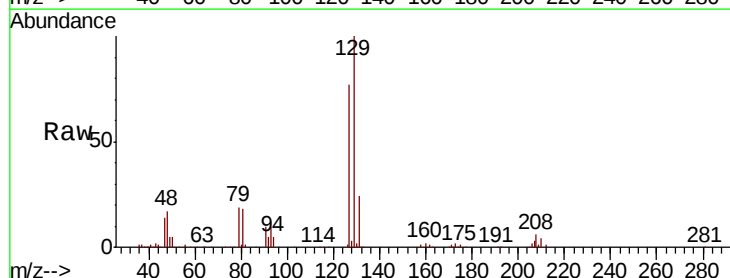
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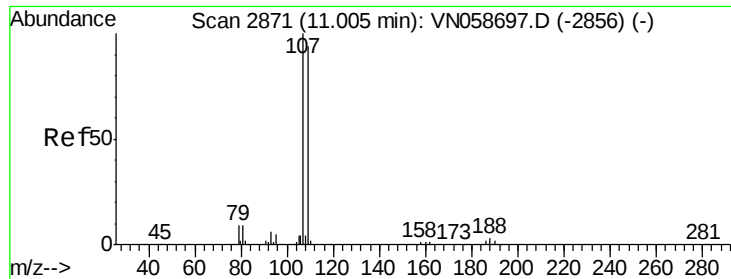
MMDadoda
10/18/2019 12:42:41 AM



#60
Dibromochloromethane
Concen: 54.560 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Tgt Ion:129 Resp: 267281
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.3





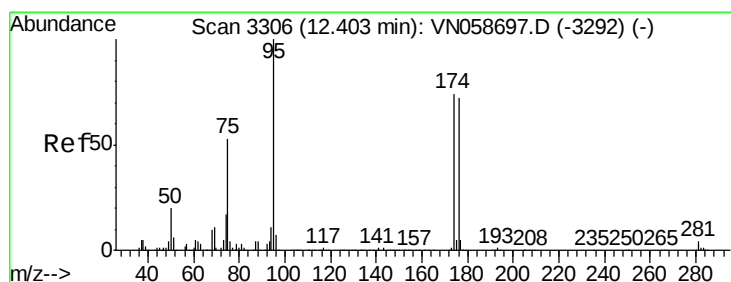
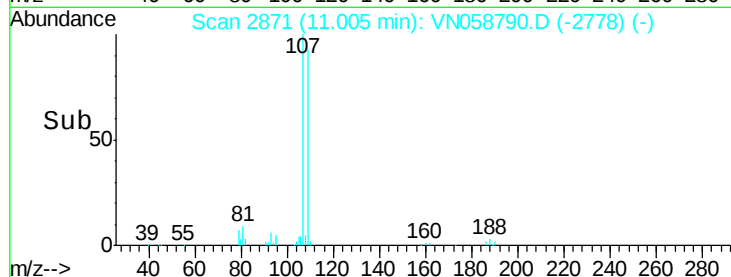
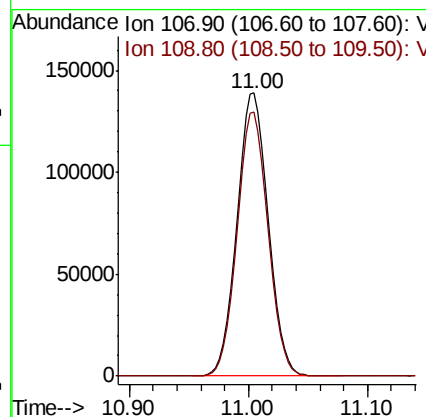
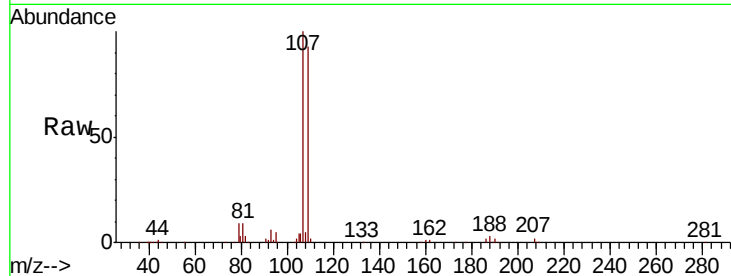
#61
 1,2-Dibromoethane
 Concen: 53.037 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.4	113.0

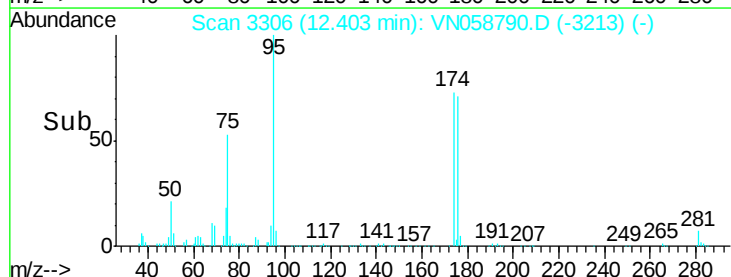
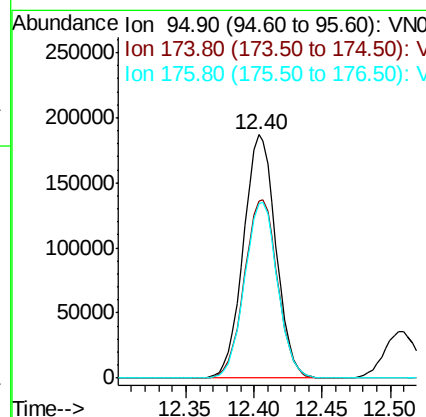
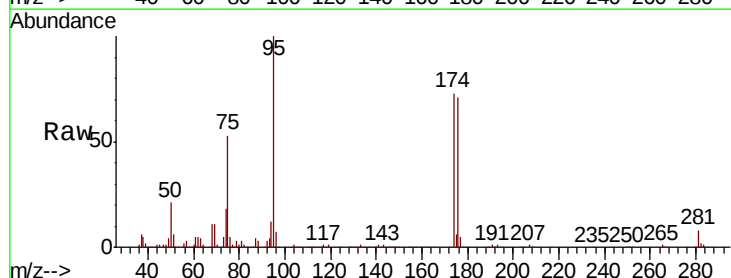
Manual Integrations
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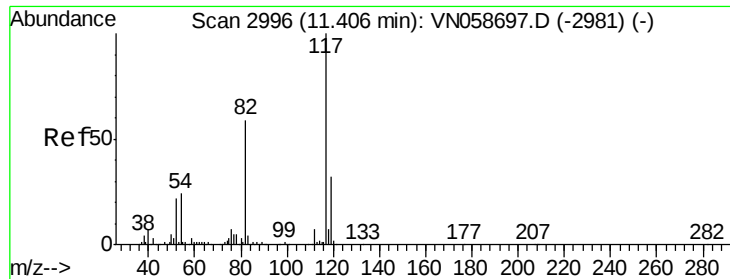
MMDadoda
 10/18/2019 12:42:41 AM



#62
 4-Bromofluorobenzene
 Concen: 50.510 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	150.4
176	73.1	0.0	146.8





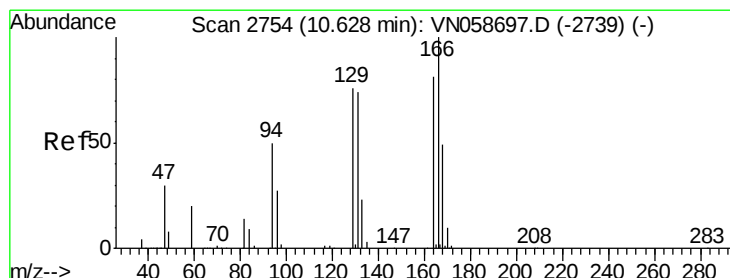
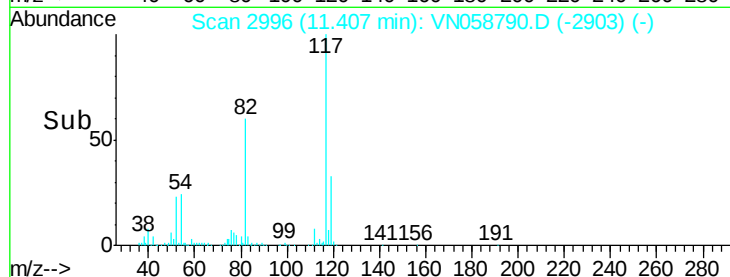
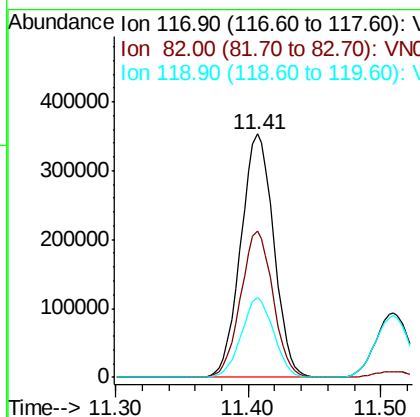
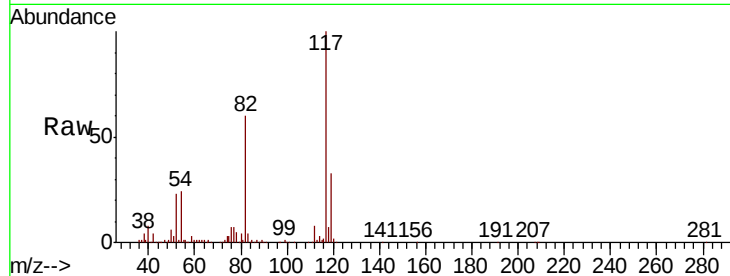
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	610125		
82	60.2		47.0	70.4
119	32.7		25.4	38.2

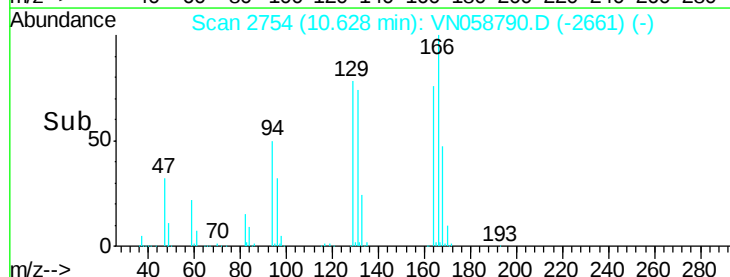
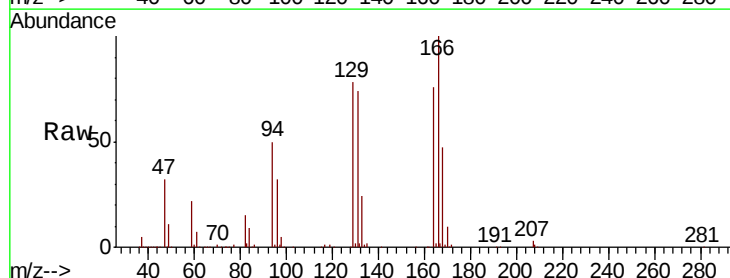
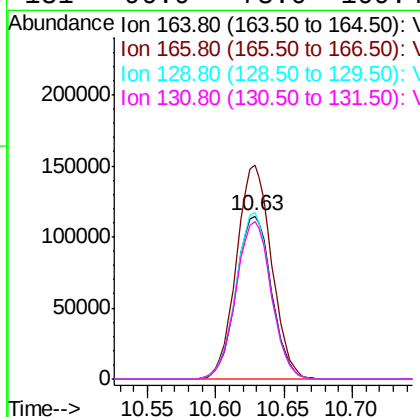
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#64
Tetrachloroethene
Concen: 48.460 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	206918		
166	130.9		99.3	148.9
129	101.8		75.2	112.8
131	96.9		73.0	109.4





#65

Chlorobenzene

Concen: 51.198 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 634363

Ion Ratio Lower Upper

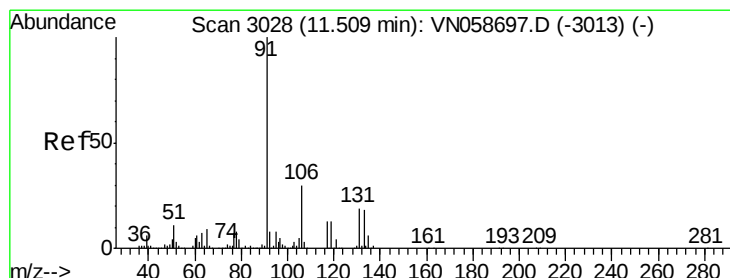
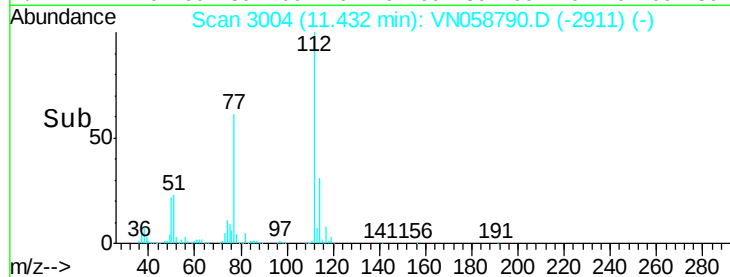
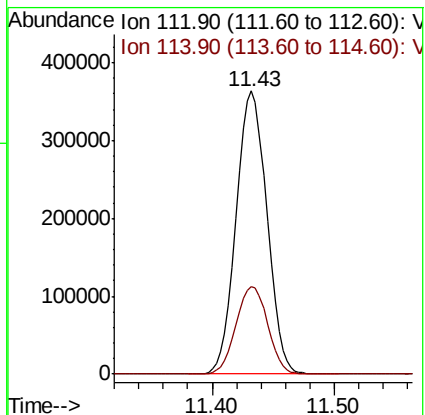
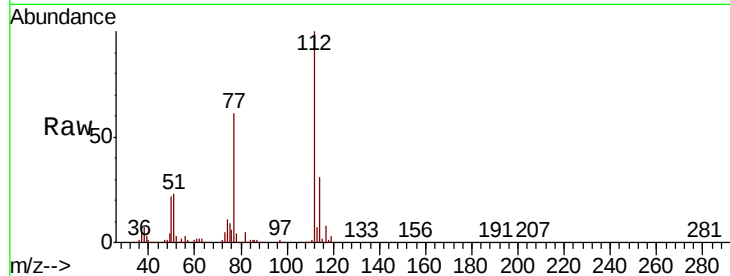
112 100

114 31.0 25.2 37.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 52.201 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

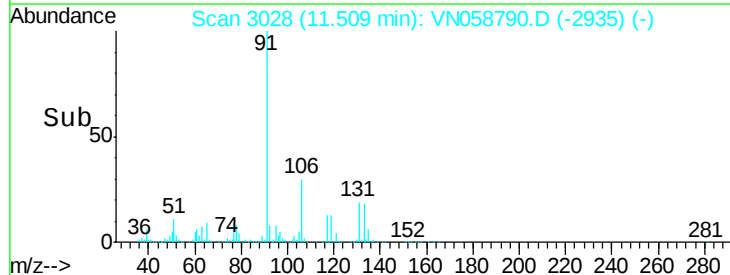
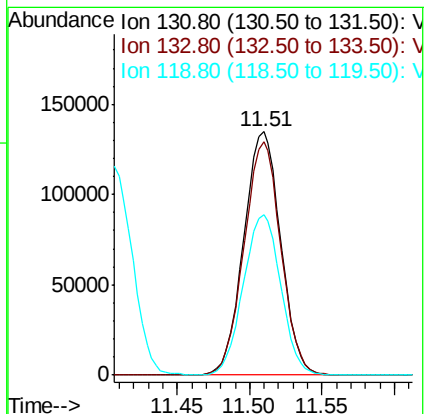
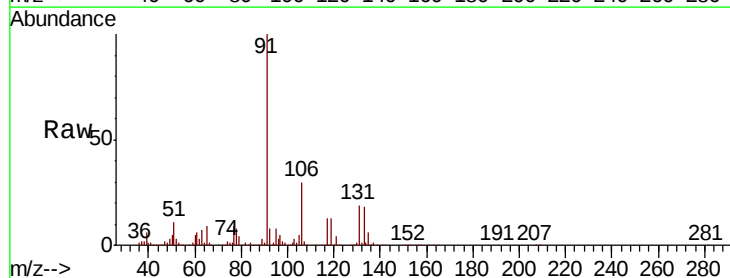
Tgt Ion:131 Resp: 239166

Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.9

119 66.8 33.0 98.9





#67

Ethyl Benzene

Concen: 53.853 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1189423

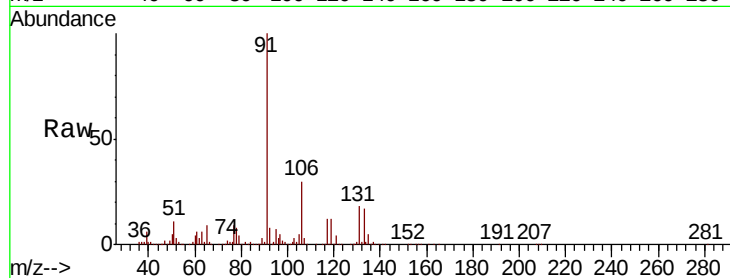
Ion Ratio Lower Upper

91 100

106 30.2 24.1 36.1

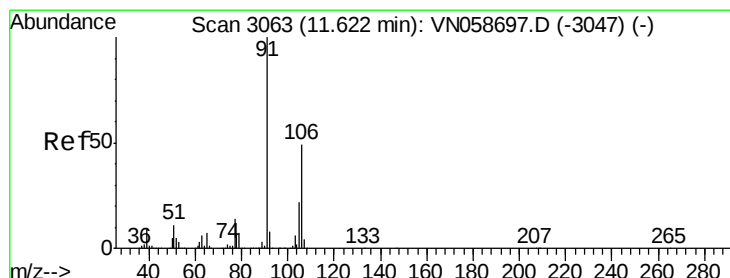
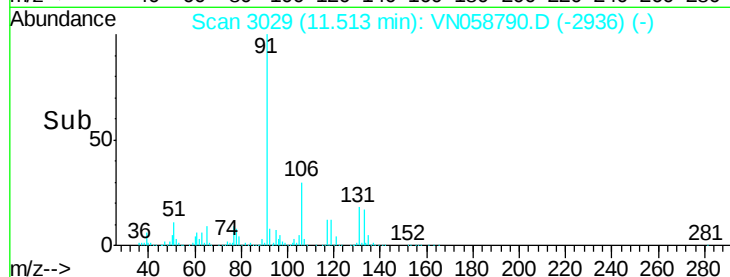
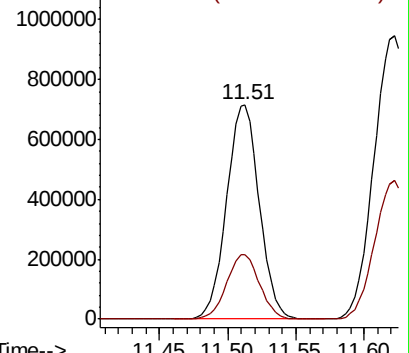
Manual Integrations
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10/18/2019 12:42:41 AM



Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN058697.D (-3013) (-)



#68

m/p-Xylenes

Concen: 106.119 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058790.D

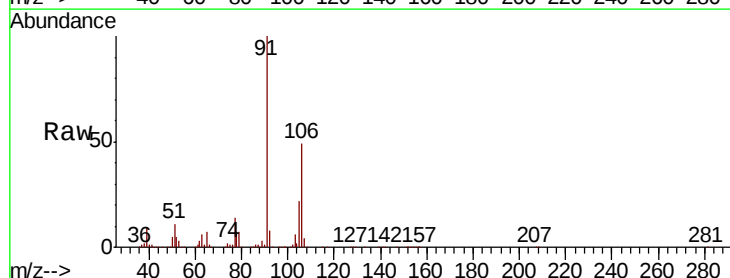
Acq: 15 Oct 2019 18:06

Tgt Ion: 106 Resp: 879575

Ion Ratio Lower Upper

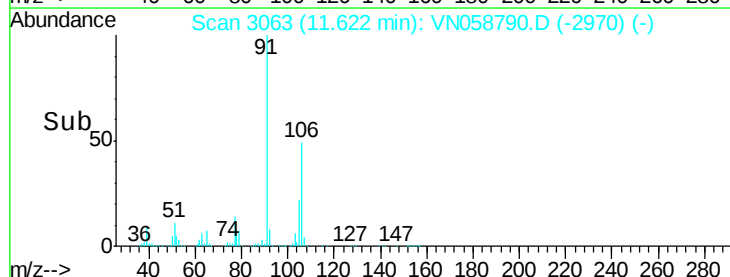
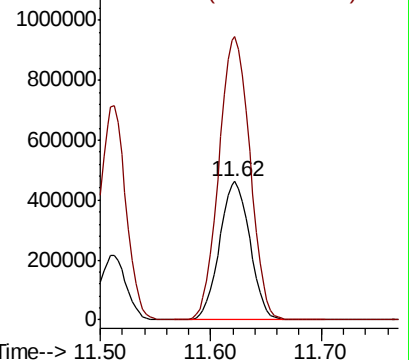
106 100

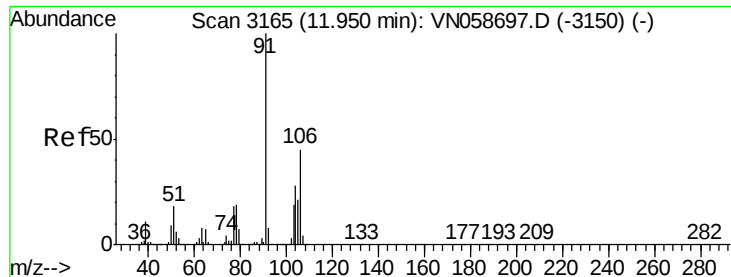
91 209.1 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): VN058697.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-3047) (-)





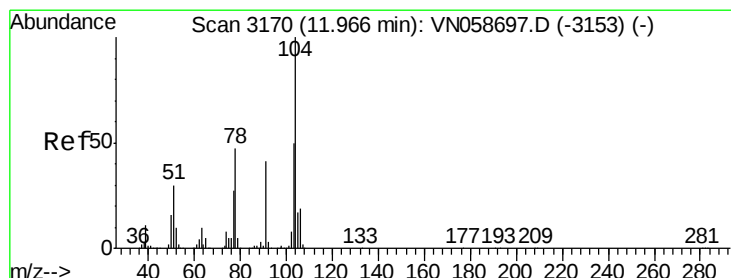
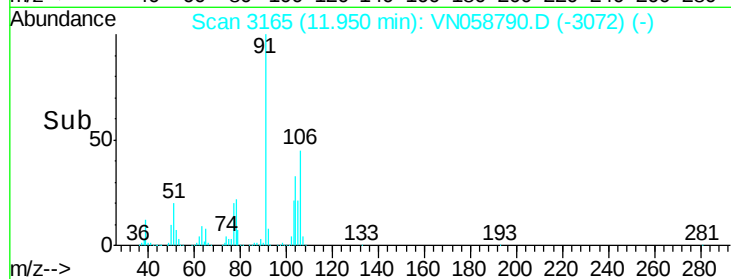
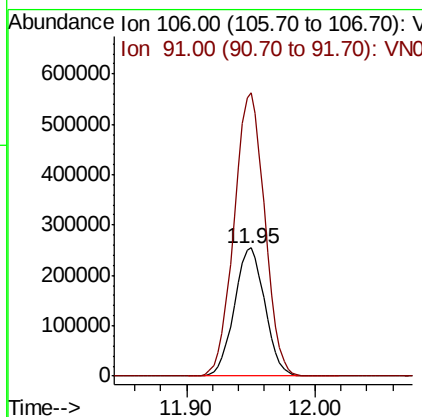
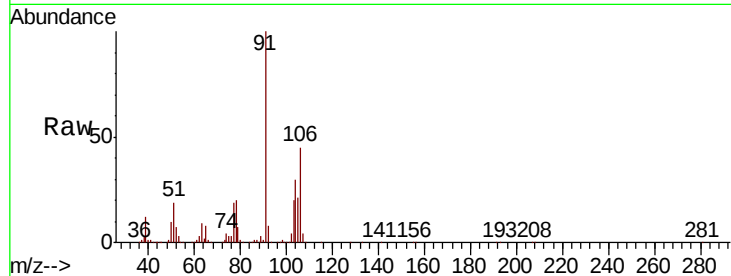
#69
o-Xylene
Concen: 52.180 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	222.0	110.9	332.9	

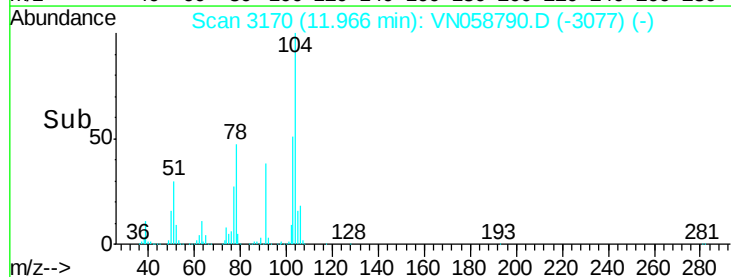
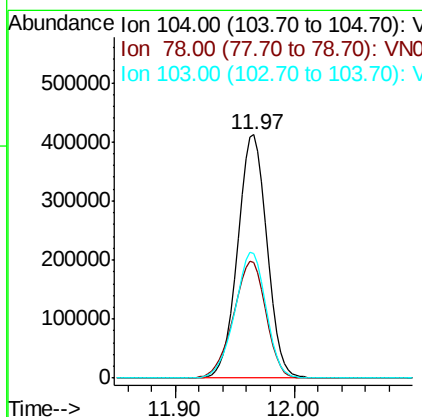
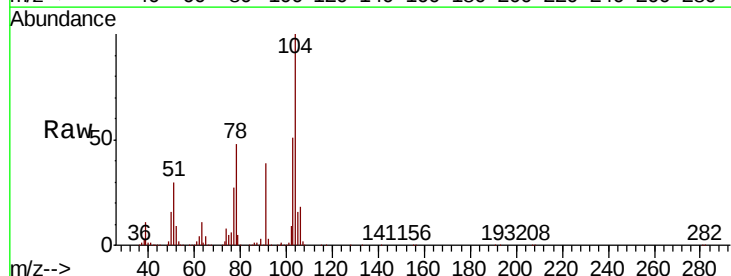
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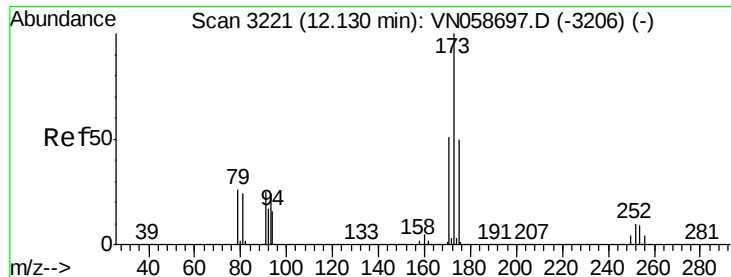
MMDadoda
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#70
Styrene
Concen: 53.525 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	53.4	42.2	63.2	
103	55.4	43.7	65.5	





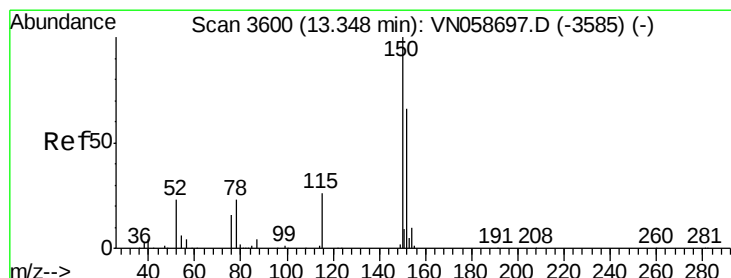
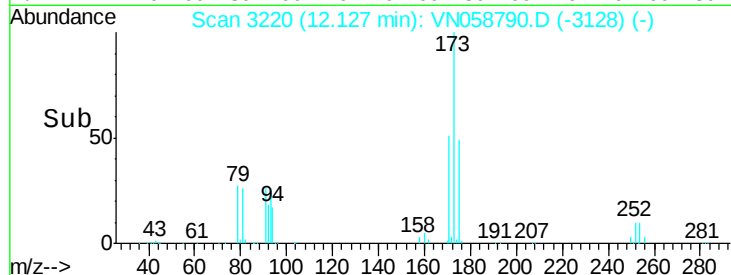
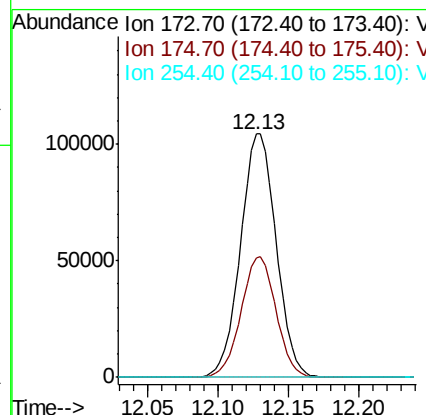
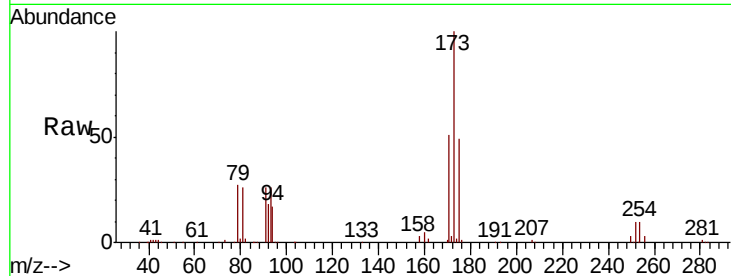
#71
Bromoform
Concen: 55.062 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	73.8
254	0.0	0.1	0.1#

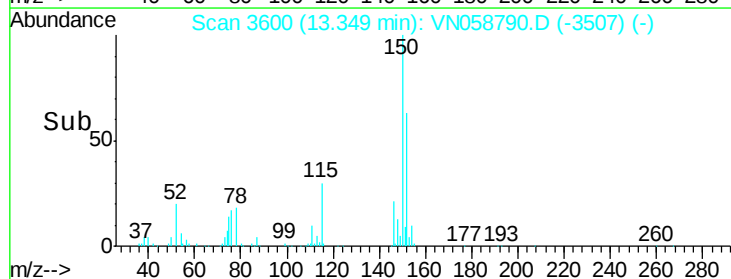
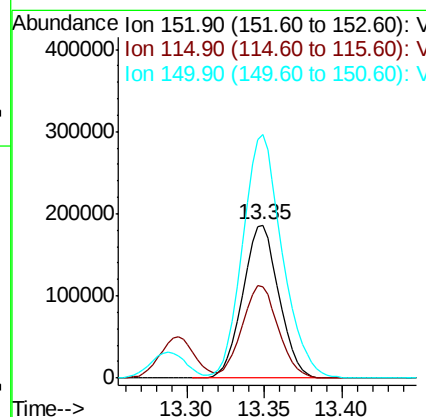
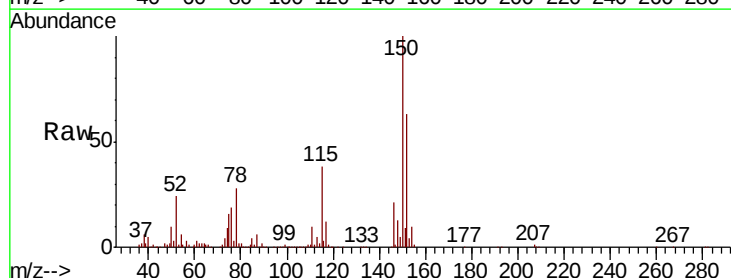
Manual Integrations
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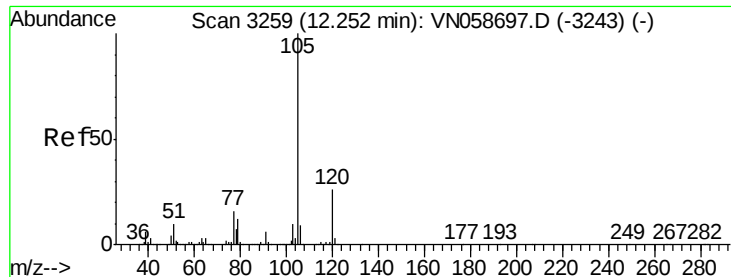
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.4	91.2
150	173.5	0.0	345.4





#73

Isopropylbenzene

Concen: 52.578 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1153009

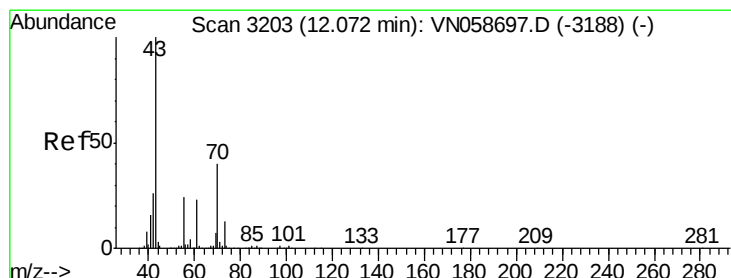
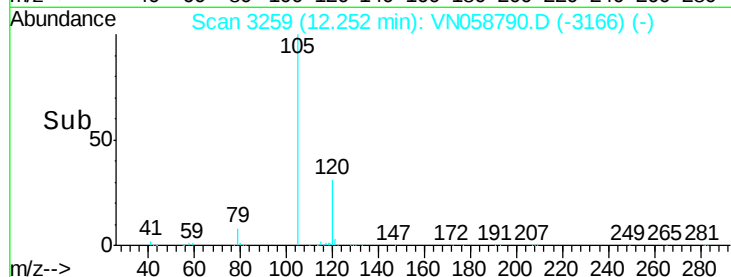
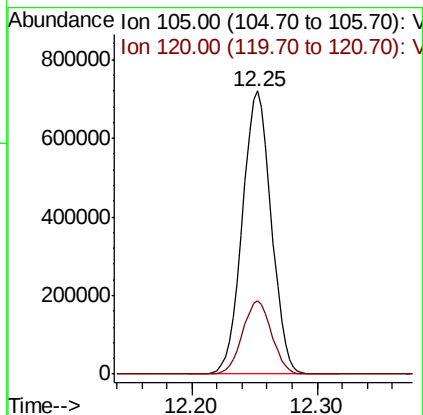
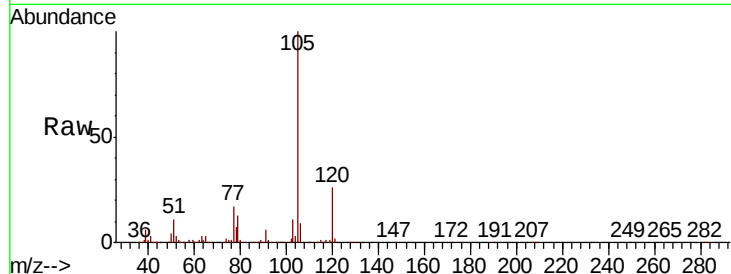
Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1

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#74

N-ethyl acetate

Concen: 54.546 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Tgt Ion: 43 Resp: 537244

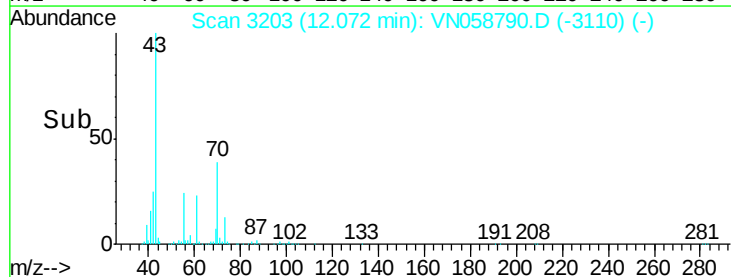
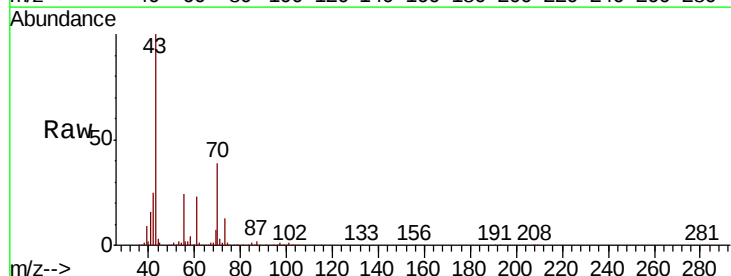
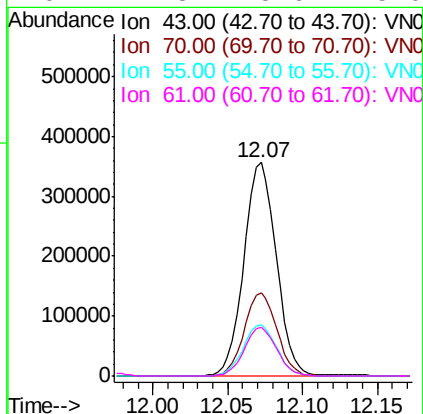
Ion Ratio Lower Upper

43 100

70 39.6 32.2 48.4

55 24.9 19.6 29.4

61 22.8 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.673 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

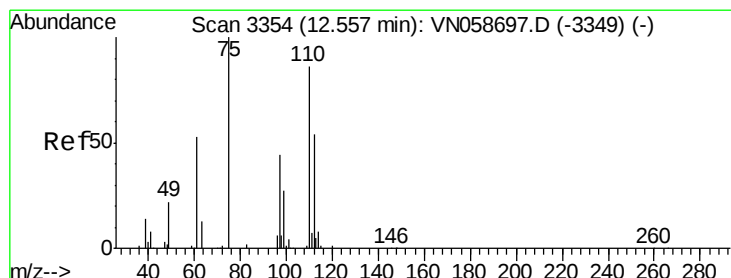
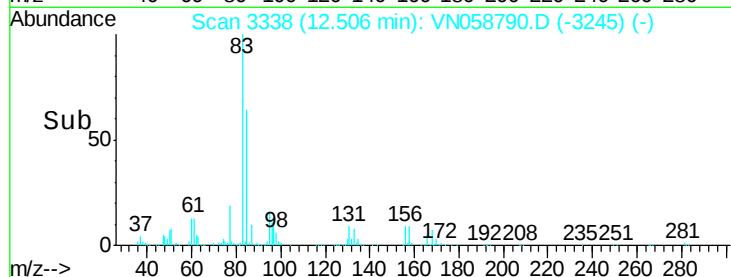
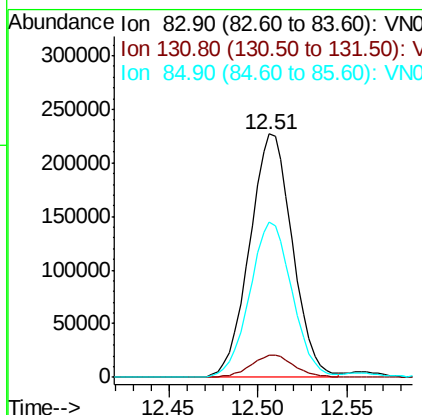
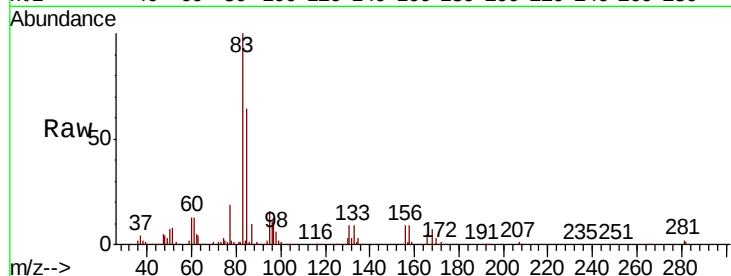
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	380524
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.4
85	63.4	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.456 ug/l m

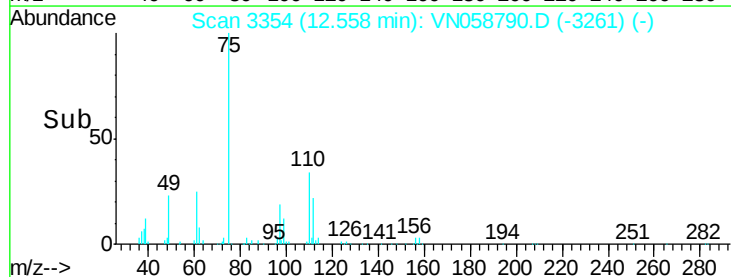
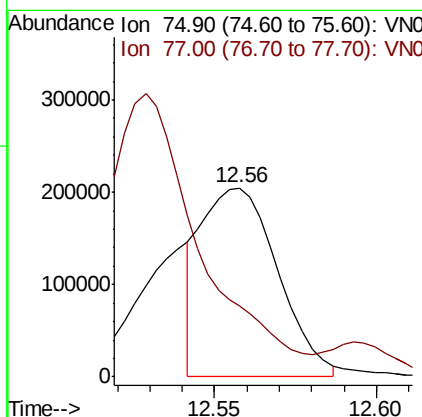
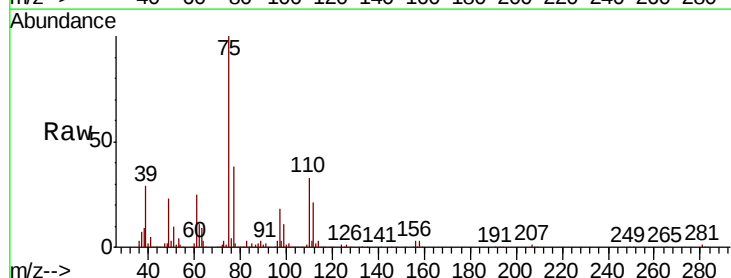
RT: 12.56 min Scan# 3354

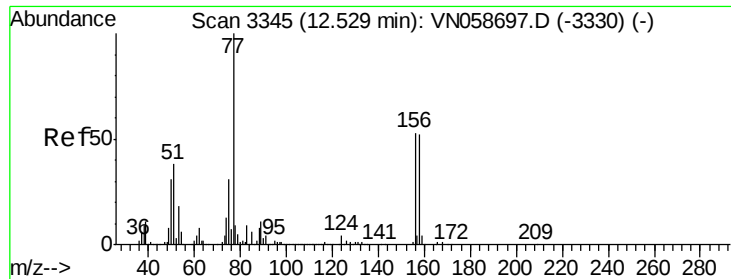
Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Tgt Ion:	75	Resp:	335164
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.476 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

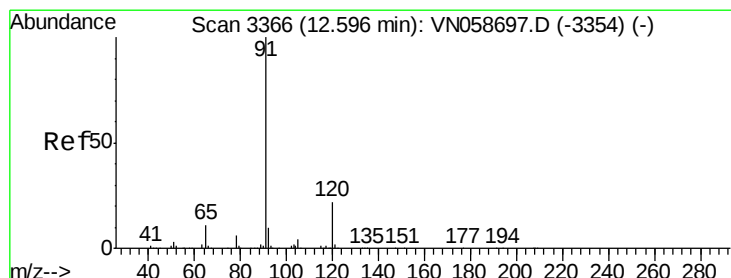
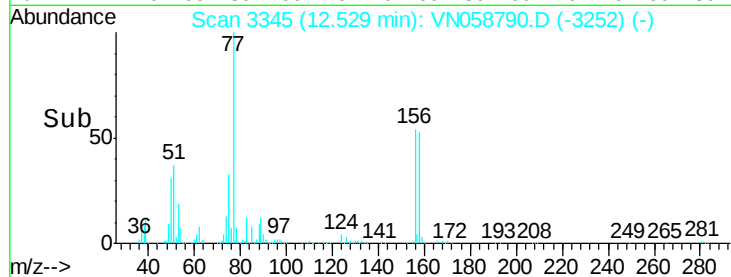
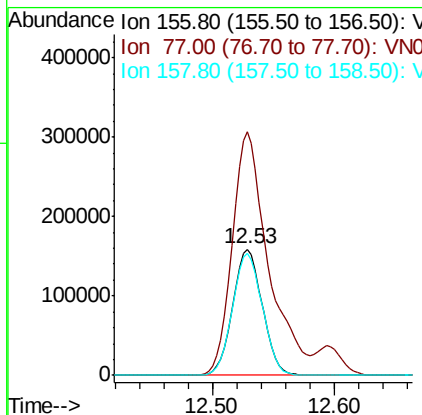
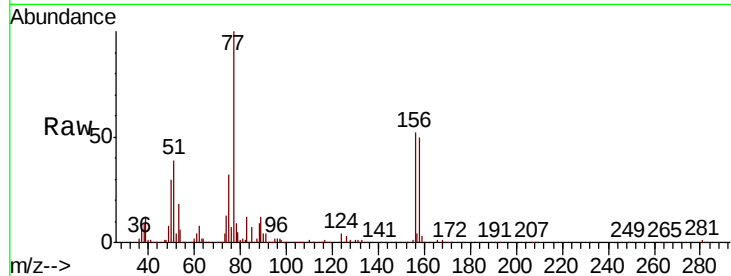
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	269241
Ion Ratio	Lower	Upper	
156	100		
77	233.9	115.8	347.3
158	97.2	48.9	146.6

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#78

n-propylbenzene

Concen: 53.870 ug/l

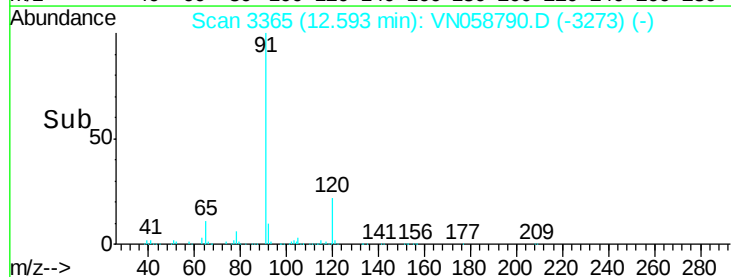
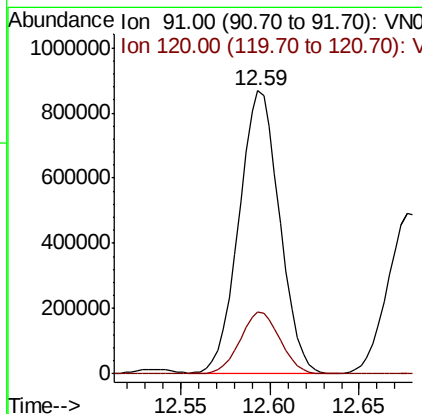
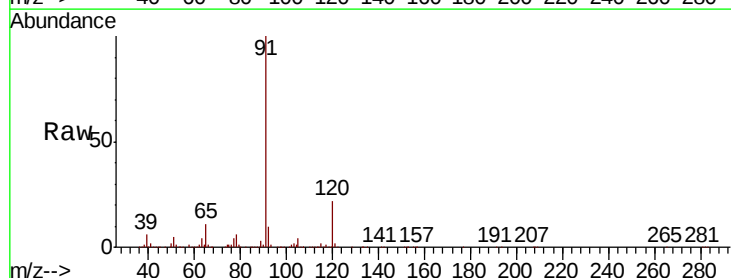
RT: 12.59 min Scan# 3365

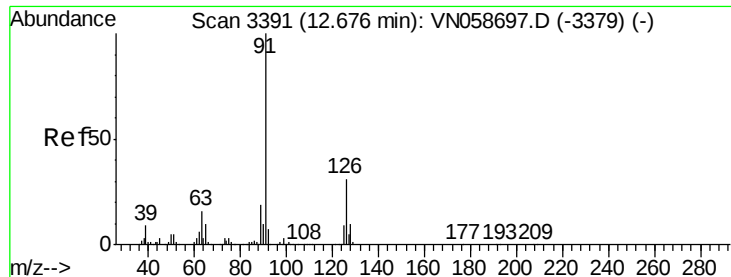
Delta R.T. -0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Tgt Ion:	91	Resp:	1376583
Ion Ratio	Lower	Upper	
91	100		
120	21.7	11.1	33.3





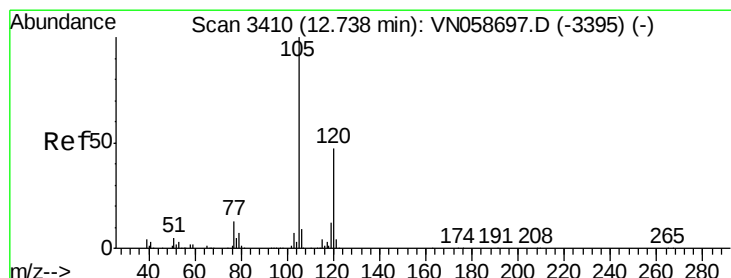
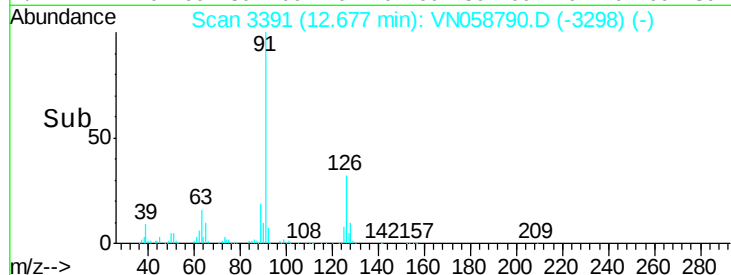
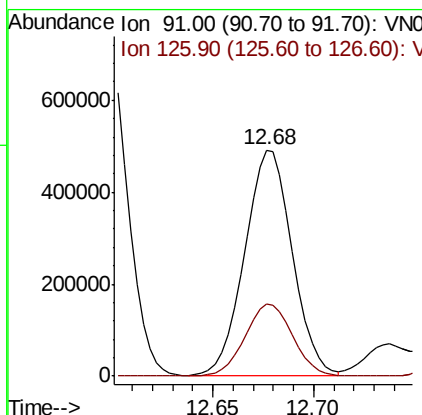
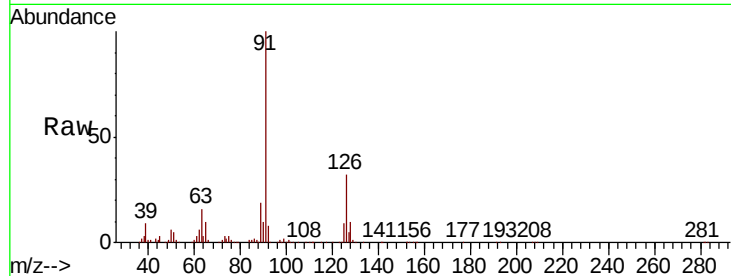
#79
 2-Chlorotoluene
 Concen: 50.920 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.5

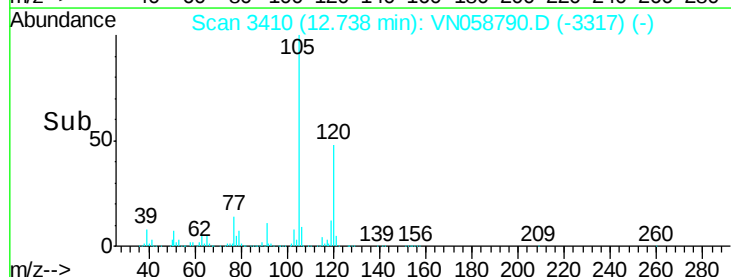
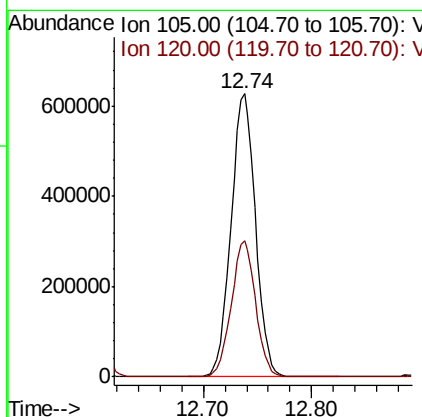
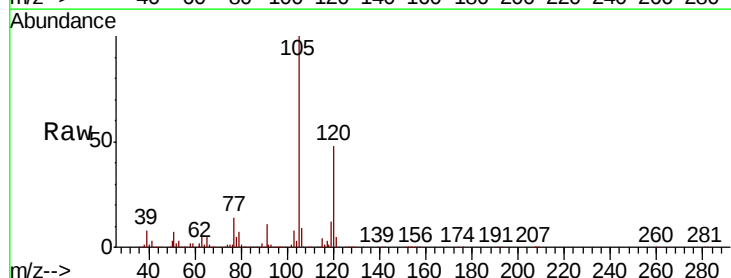
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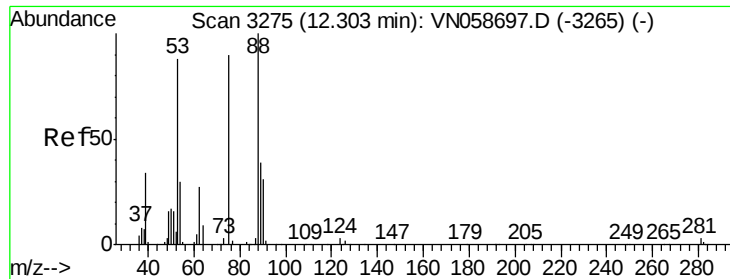
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 10/18/2019 12:42:41 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.775 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.4	70.2





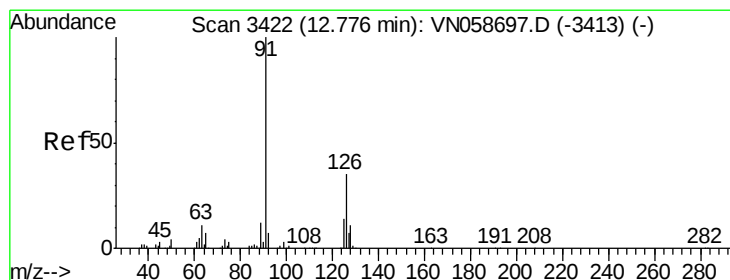
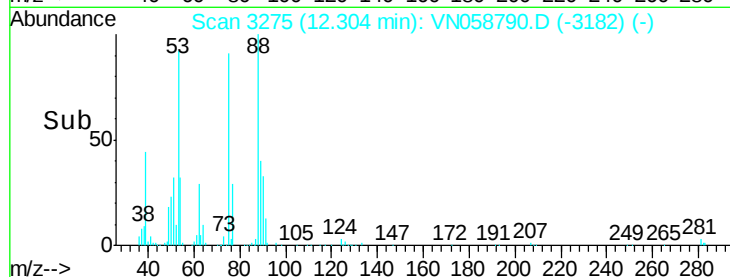
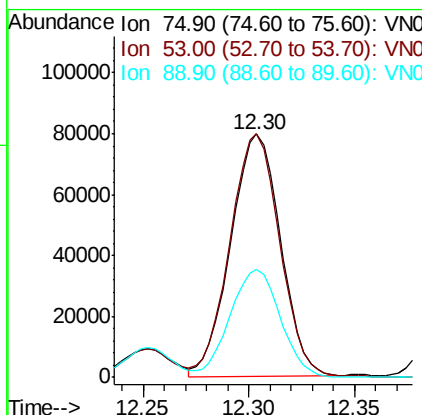
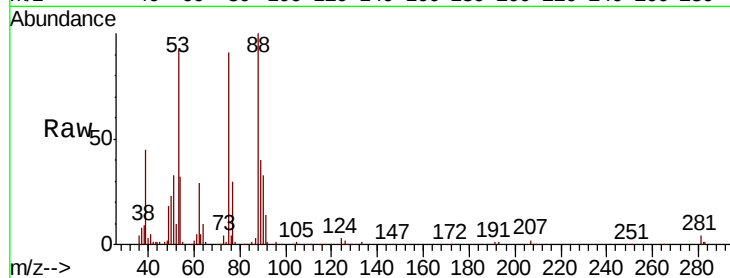
#81
trans-1,4-Dichloro-2-butene
Concen: 52.474 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.0	78.4	117.6
89	44.6	34.9	52.3

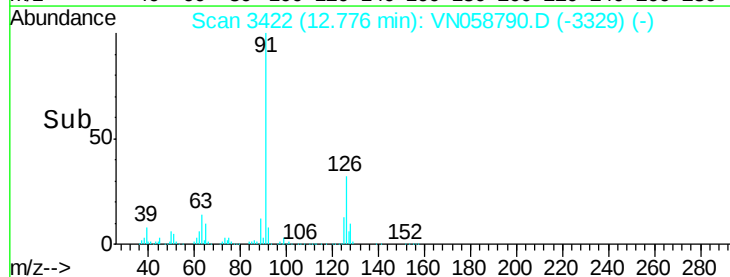
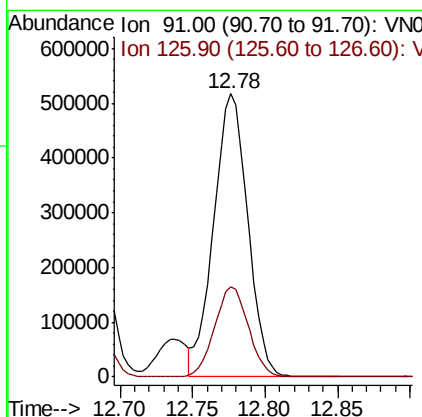
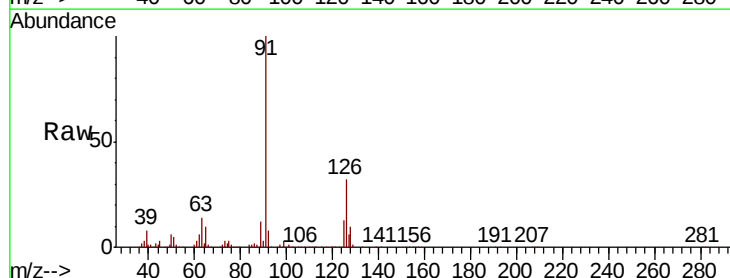
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#82
4-Chlorotoluene
Concen: 51.547 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.9	47.6





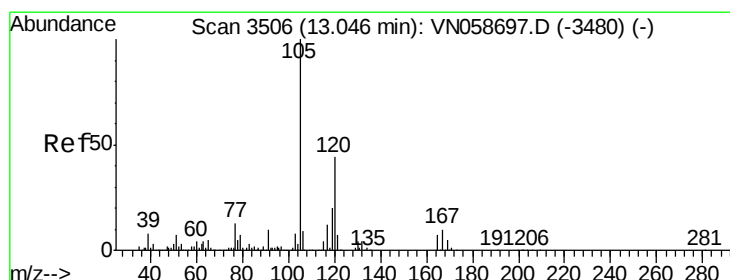
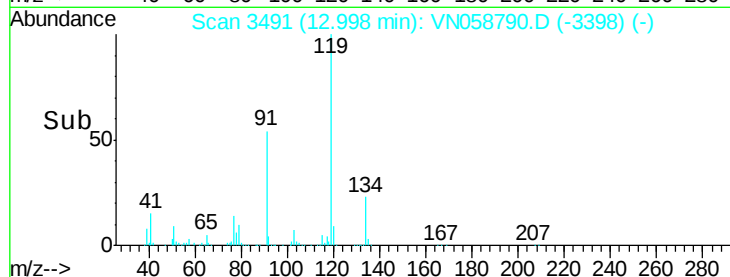
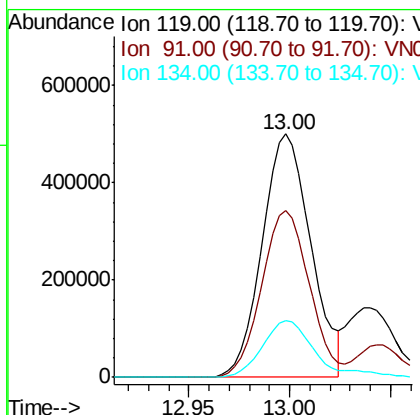
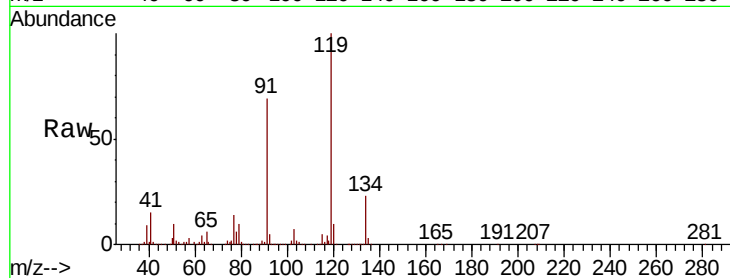
#83
tert-Butylbenzene
Concen: 52.433 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	33.8	101.3
134	25.2	12.6	37.6

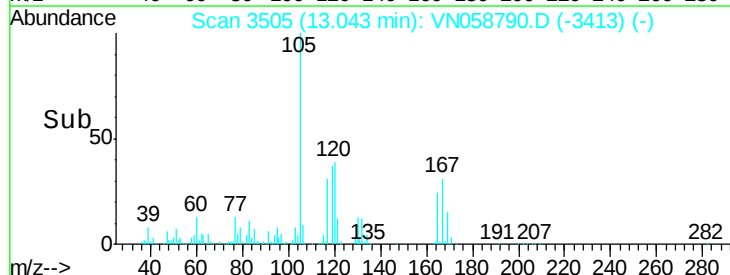
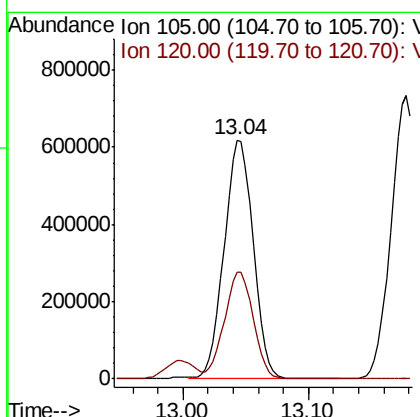
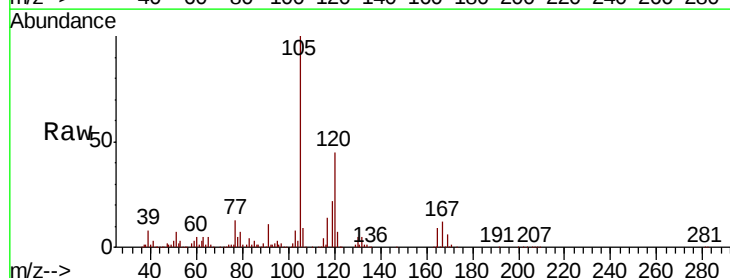
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#84
1,2,4-Trimethylbenzene
Concen: 53.432 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.9	65.7





#85

sec-Butylbenzene

Concen: 54.195 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1145346

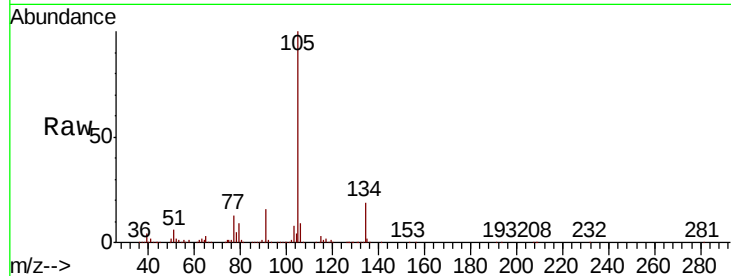
Ion Ratio Lower Upper

105 100

134 18.8 9.7 29.1

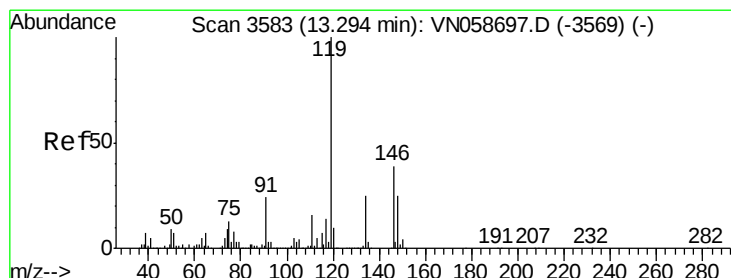
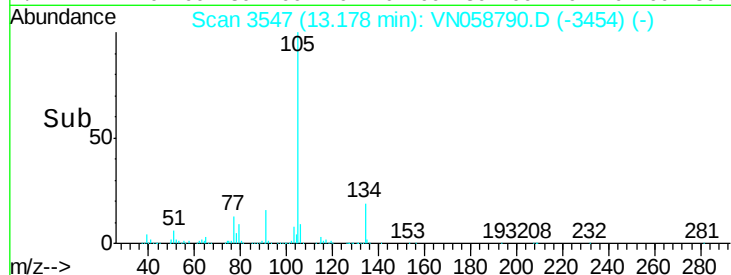
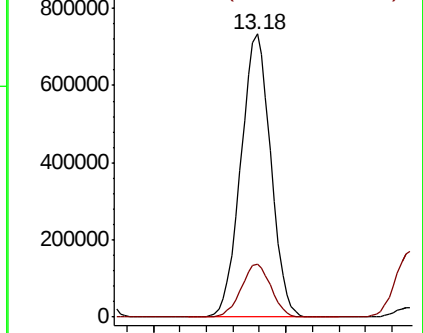
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.490 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

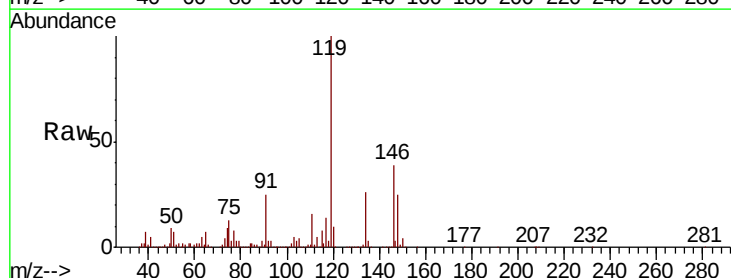
Tgt Ion:119 Resp: 1027416

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

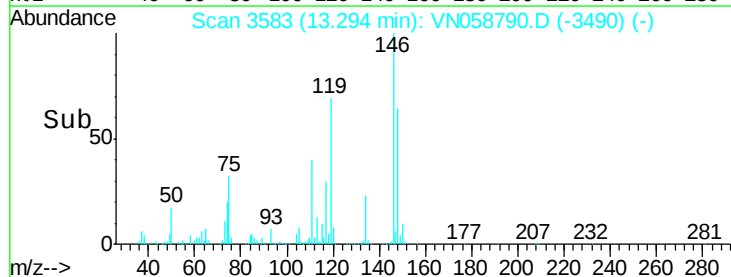
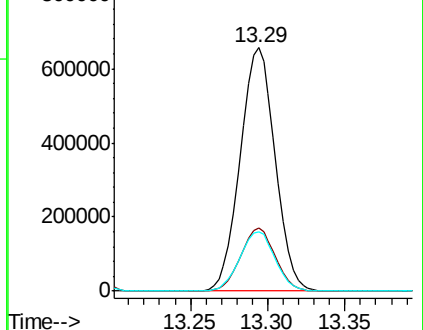
91 24.8 11.9 35.5

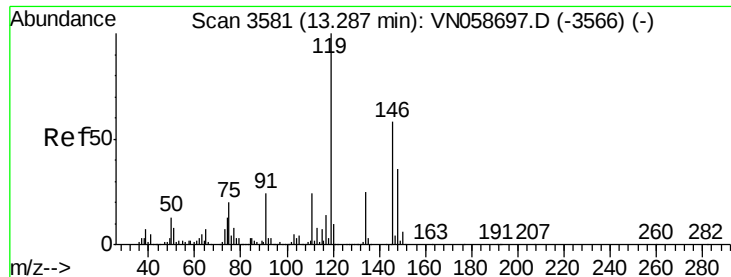


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





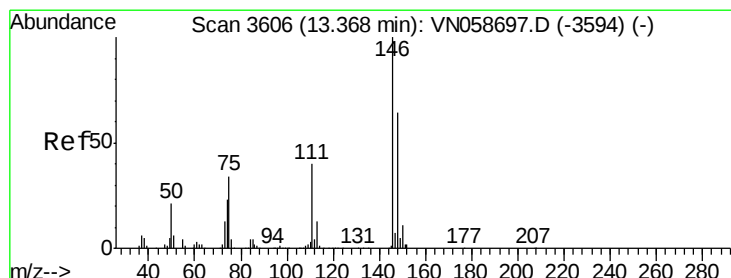
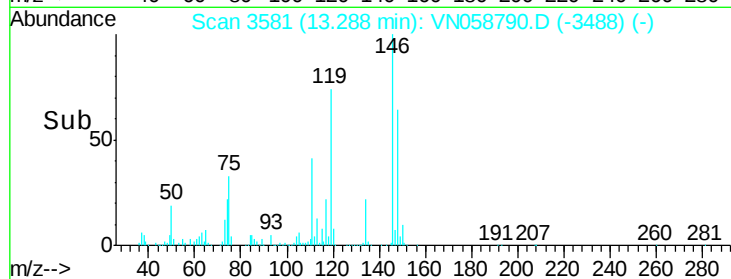
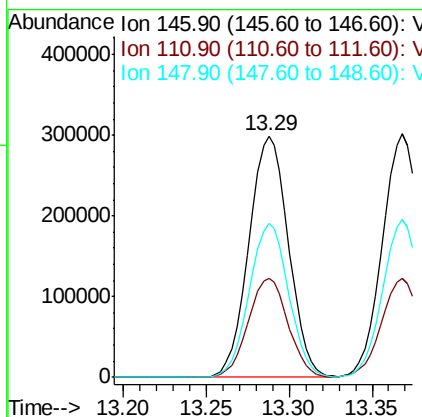
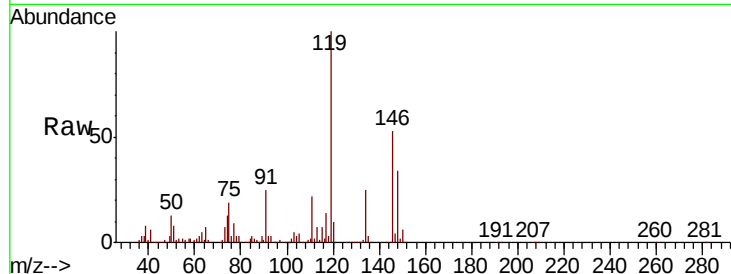
#87
 1,3-Dichlorobenzene
 Concen: 50.418 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.6
148	63.4	31.3	93.9

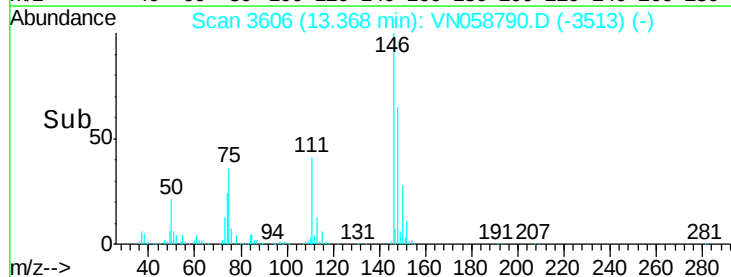
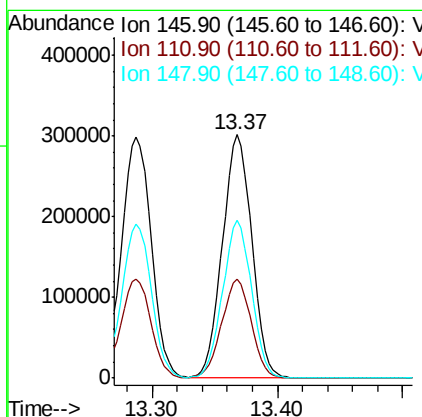
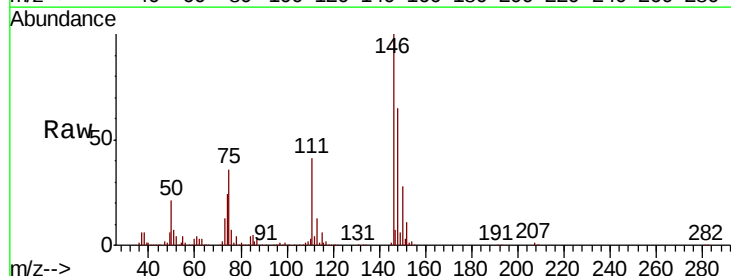
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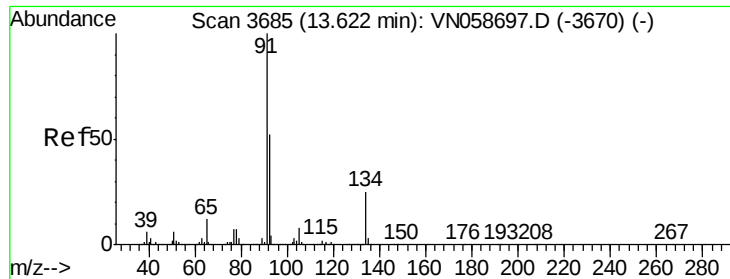
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#88
 1,4-Dichlorobenzene
 Concen: 48.984 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.1	60.2
148	63.8	31.9	95.7





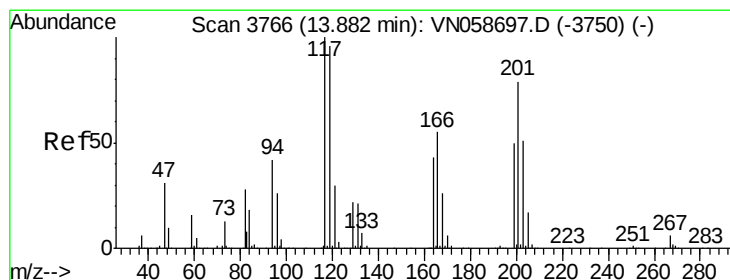
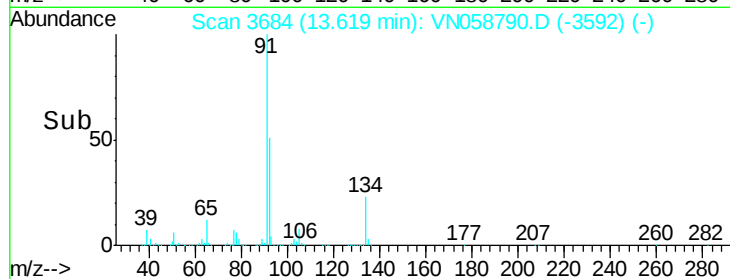
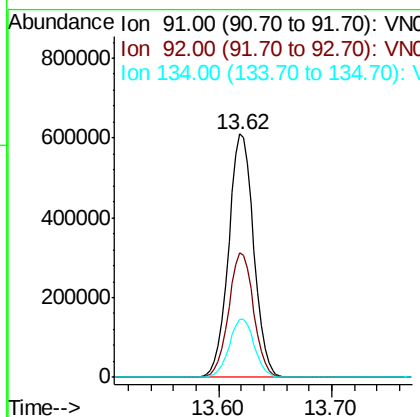
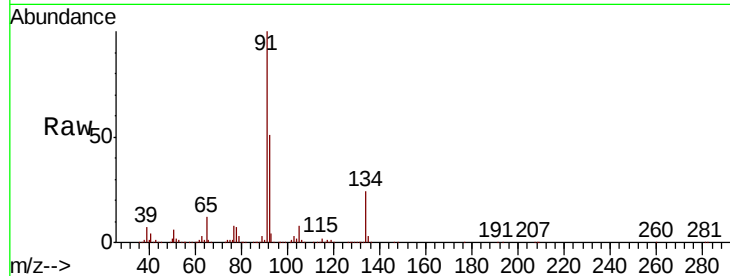
#89
n-Butylbenzene
Concen: 52.843 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.0	78.0
134	24.0	12.2	36.6

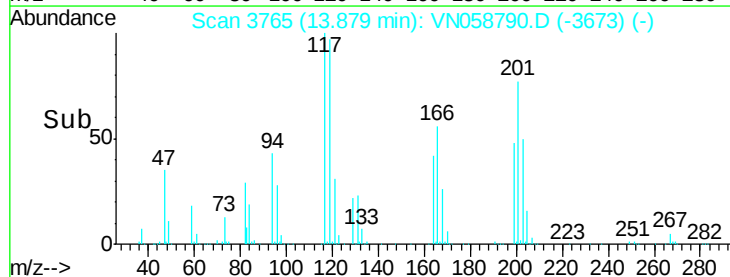
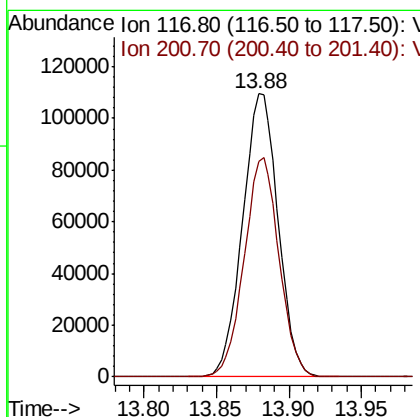
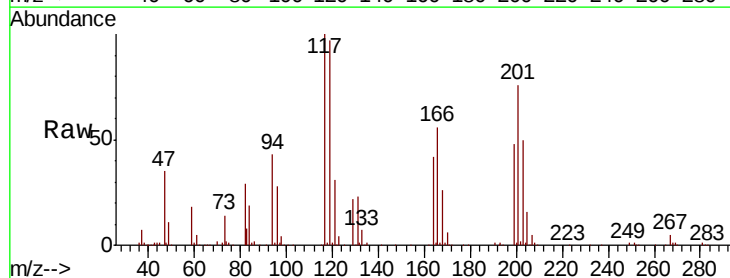
Manual Integrations
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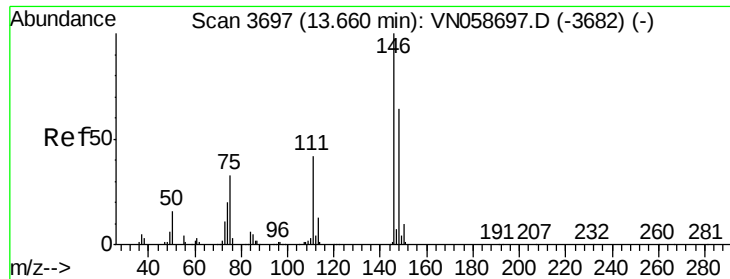
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#90
Hexachloroethane
Concen: 54.338 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.0	39.6	118.7





#91

1,2-Dichlorobenzene

Concen: 50.873 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Instrument :

MSVOA_N

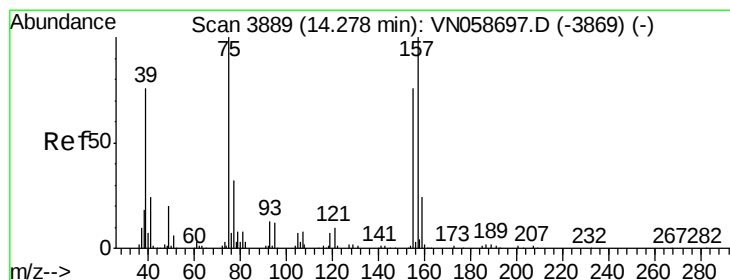
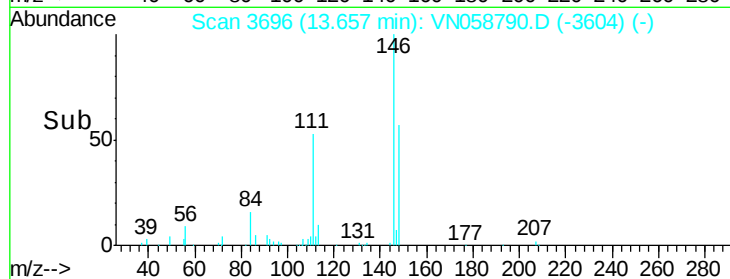
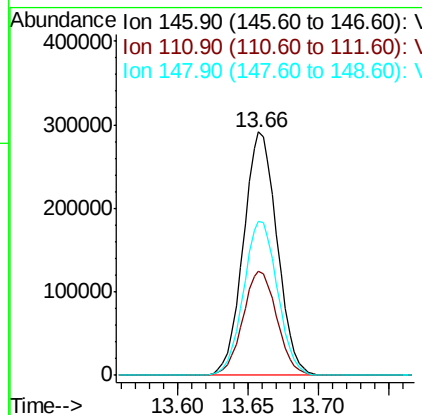
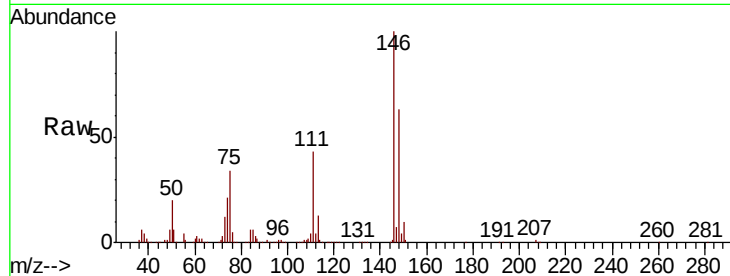
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	487742
Ion Ratio	Lower	Upper	
146	100		
111	43.1	21.1	63.4
148	63.8	31.8	95.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.770 ug/l

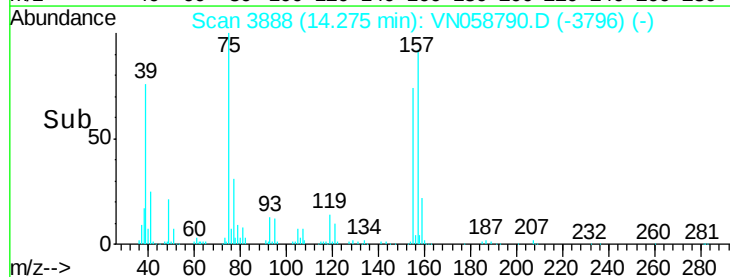
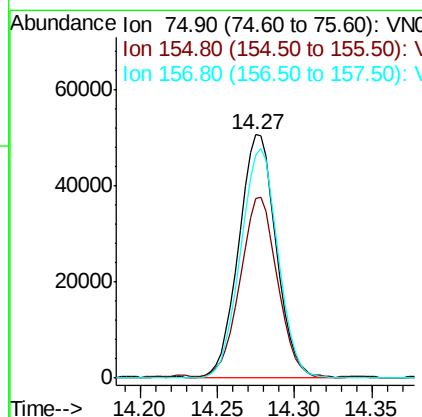
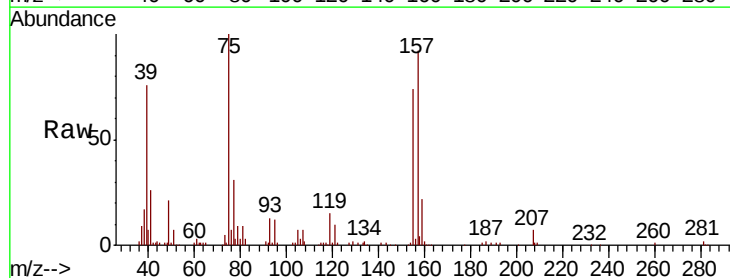
RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN058790.D

Acq: 15 Oct 2019 18:06

Tgt Ion:	75	Resp:	85687
Ion Ratio	Lower	Upper	
75	100		
155	72.9	37.9	113.6
157	93.6	49.4	148.2





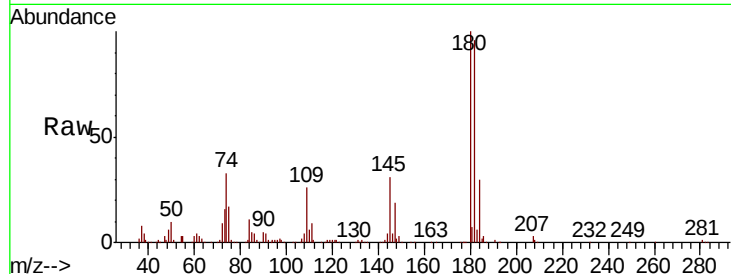
#93
 1,2,4-Trichlorobenzene
 Concen: 49.672 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

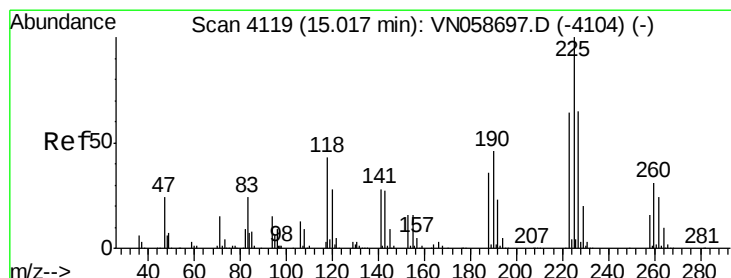
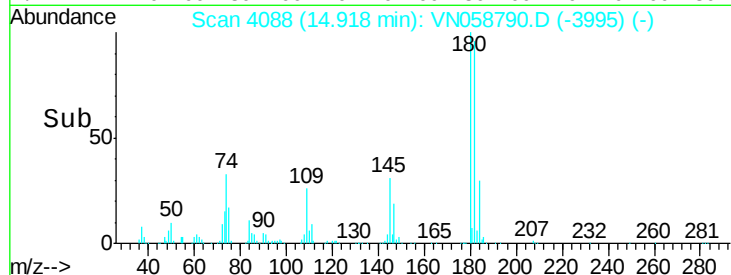
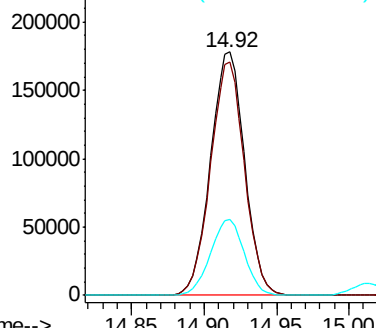
Tot Ion	Ratio	Resp	Lower	Upper
180	100	290507		
182	95.5	47.4	142.2	
145	31.1	15.4	46.2	

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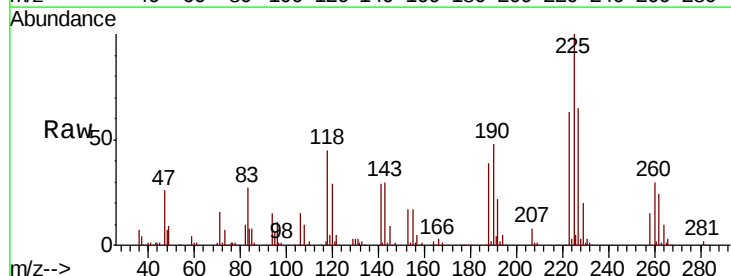


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

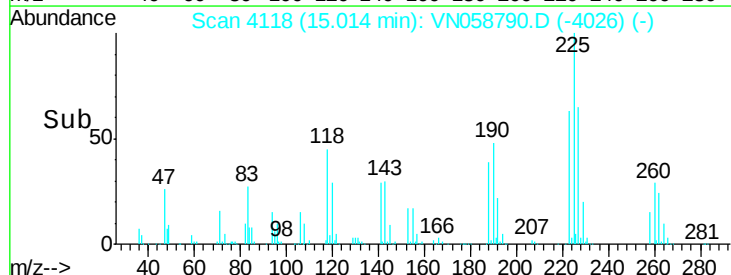
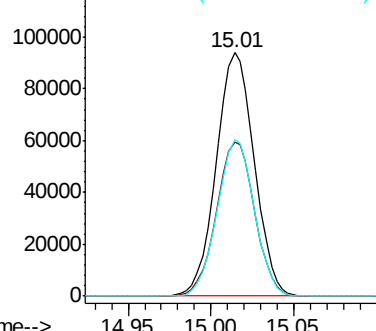


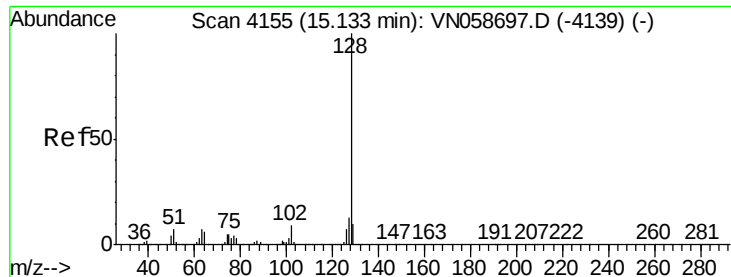
#94
 Hexachlorobutadiene
 Concen: 48.510 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058790.D
 Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	149406		
223	63.7	32.3	96.8	
227	63.0	32.4	97.0	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





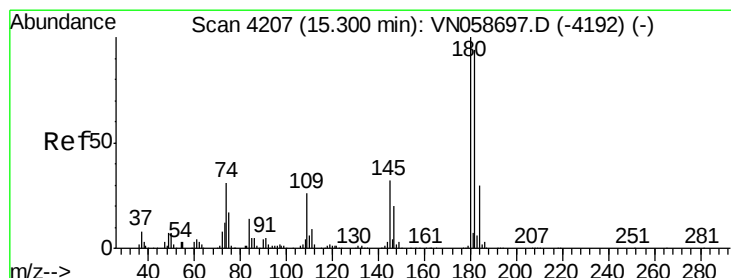
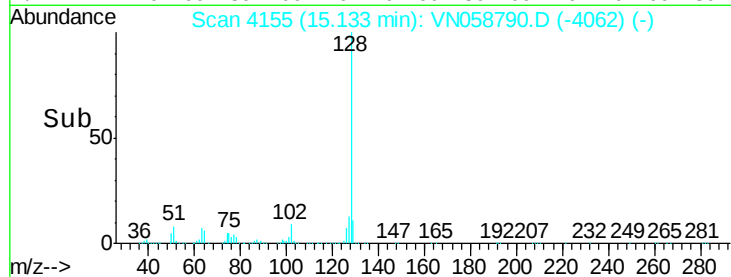
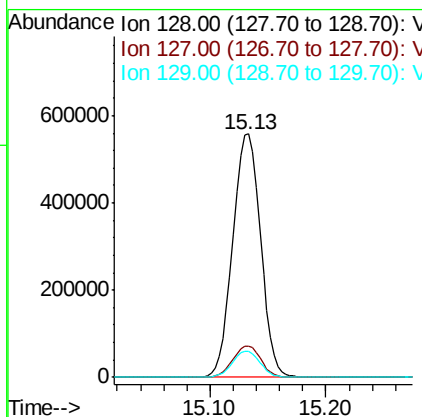
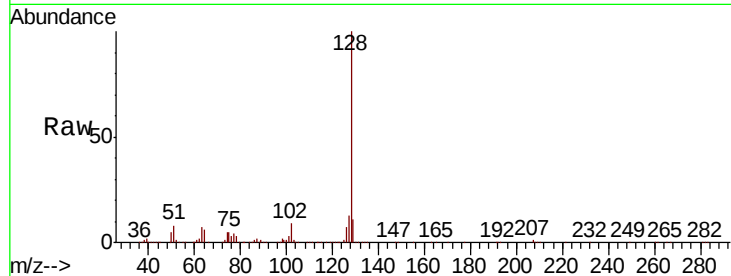
#95
Naphthalene
Concen: 55.246 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.7	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:42:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.111 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058790.D
Acq: 15 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.3	142.0
145	31.9	16.2	48.6

