

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058971.D
 Acq On : 24 Oct 2019 18:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 2:36:28 PM

Quant Time: Oct 25 03:16:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	346137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	551407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	523717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	259989	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	241708	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
35) Dibromofluoromethane	7.57	113	179942	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	10.08	98	701519	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.40	95	259092	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	204305	47.341	ug/l	100
3) Chloromethane	2.04	50	245552	45.941	ug/l	99
4) Vinyl Chloride	2.17	62	257255	48.474	ug/l	99
5) Bromomethane	2.54	94	138288	41.611	ug/l	99
6) Chloroethane	2.68	64	160728	47.227	ug/l	98
7) Trichlorofluoromethane	3.00	101	314083	47.831	ug/l	99
8) Diethyl Ether	3.39	74	114831	50.604	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	176012	48.350	ug/l	99
10) Methyl Iodide	3.93	142	198898	41.542	ug/l	99
11) Tert butyl alcohol	4.75	59	201487	239.169	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	167719	49.152	ug/l	99
13) Acrolein	3.58	56	75527	130.478	ug/l	98
14) Allyl chloride	4.30	41	346376m	50.165	ug/l	
15) Acrylonitrile	4.96	53	560735	264.610	ug/l	99
16) Acetone	3.79	43	549669	219.116	ug/l	100
17) Carbon Disulfide	4.03	76	490764	44.648	ug/l	99
18) Methyl Acetate	4.30	43	294664	51.666	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	628235	52.580	ug/l	98
20) Methylene Chloride	4.53	84	206471	48.202	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	187569	49.775	ug/l	96
22) Diisopropyl ether	5.93	45	729470	54.012	ug/l	96
23) Vinyl Acetate	5.87	43	3074676	283.360	ug/l	100
24) 1,1-Dichloroethane	5.82	63	391847	50.037	ug/l	100
25) 2-Butanone	6.81	43	803696	246.806	ug/l	100
26) 2,2-Dichloropropane	6.80	77	328717	48.528	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	218841	50.837	ug/l	99
28) Bromochloromethane	7.18	49	130269	49.948	ug/l	100
29) Tetrahydrofuran	7.19	42	528849	265.480	ug/l	100
30) Chloroform	7.35	83	390801	49.749	ug/l	100
31) Cyclohexane	7.63	56	346899	47.549	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	334650	50.541	ug/l	99
36) 1,1-Dichloropropene	7.77	75	290754	51.504	ug/l	99
37) Ethyl Acetate	6.91	43	323638	52.614	ug/l	99
38) Carbon Tetrachloride	7.75	117	292542	50.302	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	326352	51.485	ug/l	98
40) Benzene	8.02	78	858008	51.758	ug/l	99
41) Methacrylonitrile	7.16	41	140839m	51.408	ug/l	
42) 1,2-Dichloroethane	8.11	62	319211	49.988	ug/l	100
43) Isopropyl Acetate	8.15	43	531127	53.839	ug/l	99
44) Trichloroethene	8.82	130	202657	50.185	ug/l	97
45) 1,2-Dichloropropane	9.11	63	235599	51.829	ug/l	99
46) Dibromomethane	9.20	93	147826	51.441	ug/l	99
47) Bromodichloromethane	9.39	83	309910	52.324	ug/l	98
48) Methyl methacrylate	9.19	41	244190	54.557	ug/l	99
49) 1,4-Dioxane	9.19	88	71400	971.771	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1687440	292.848	ug/l	99
52) Toluene	10.15	92	534304	54.351	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	352112	53.702	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	368850	52.655	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	215902	53.313	ug/l	99
56) Ethyl methacrylate	10.42	69	339012	49.842	ug/l	99
57) 1,3-Dichloropropane	10.70	76	376790	53.011	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	743444	258.608	ug/l	100
59) 2-Hexanone	10.75	43	1257048	282.317	ug/l	99
60) Dibromochloromethane	10.90	129	233385	53.542	ug/l	99
61) 1,2-Dibromoethane	11.00	107	221399	53.421	ug/l	100
64) Tetrachloroethene	10.63	164	182514	49.762	ug/l	99
65) Chlorobenzene	11.43	112	558028	52.337	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	214486	53.309	ug/l	98
67) Ethyl Benzene	11.51	91	1033983	55.282	ug/l	98
68) m/p-Xylenes	11.62	106	759877	109.551	ug/l	98
69) o-Xylene	11.95	106	359446	54.335	ug/l	98
70) Styrene	11.97	104	617250	50.530	ug/l	99
71) Bromoform	12.13	173	168595	54.038	ug/l #	99
73) Isopropylbenzene	12.25	105	1001616	52.716	ug/l	100
74) N-amyl acetate	12.07	43	469307	54.482	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	338300	50.637	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	290512m	48.214	ug/l	
77) Bromobenzene	12.53	156	237041	50.615	ug/l	98
78) n-propylbenzene	12.59	91	1191612	53.057	ug/l	100
79) 2-Chlorotoluene	12.68	91	704975	51.286	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	860202	53.885	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	114148	49.351	ug/l	98
82) 4-Chlorotoluene	12.78	91	730378	51.994	ug/l	100
83) tert-Butylbenzene	13.00	119	722263	52.909	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	857733	54.474	ug/l	99
85) sec-Butylbenzene	13.17	105	978574	53.767	ug/l	99
86) p-Isopropyltoluene	13.29	119	882572	54.958	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	431103	51.481	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	424495	50.632	ug/l	99
89) n-Butylbenzene	13.62	91	795407	53.918	ug/l	99
90) Hexachloroethane	13.88	117	163091	50.118	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	426512	51.820	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	72036	47.672	ug/l	98

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Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	249066	48.167	ug/l	100
94) Hexachlorobutadiene	15.01	225	130522	48.927	ug/l	98
95) Naphthalene	15.13	128	718983	48.357	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	246525	48.927	ug/l	99

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

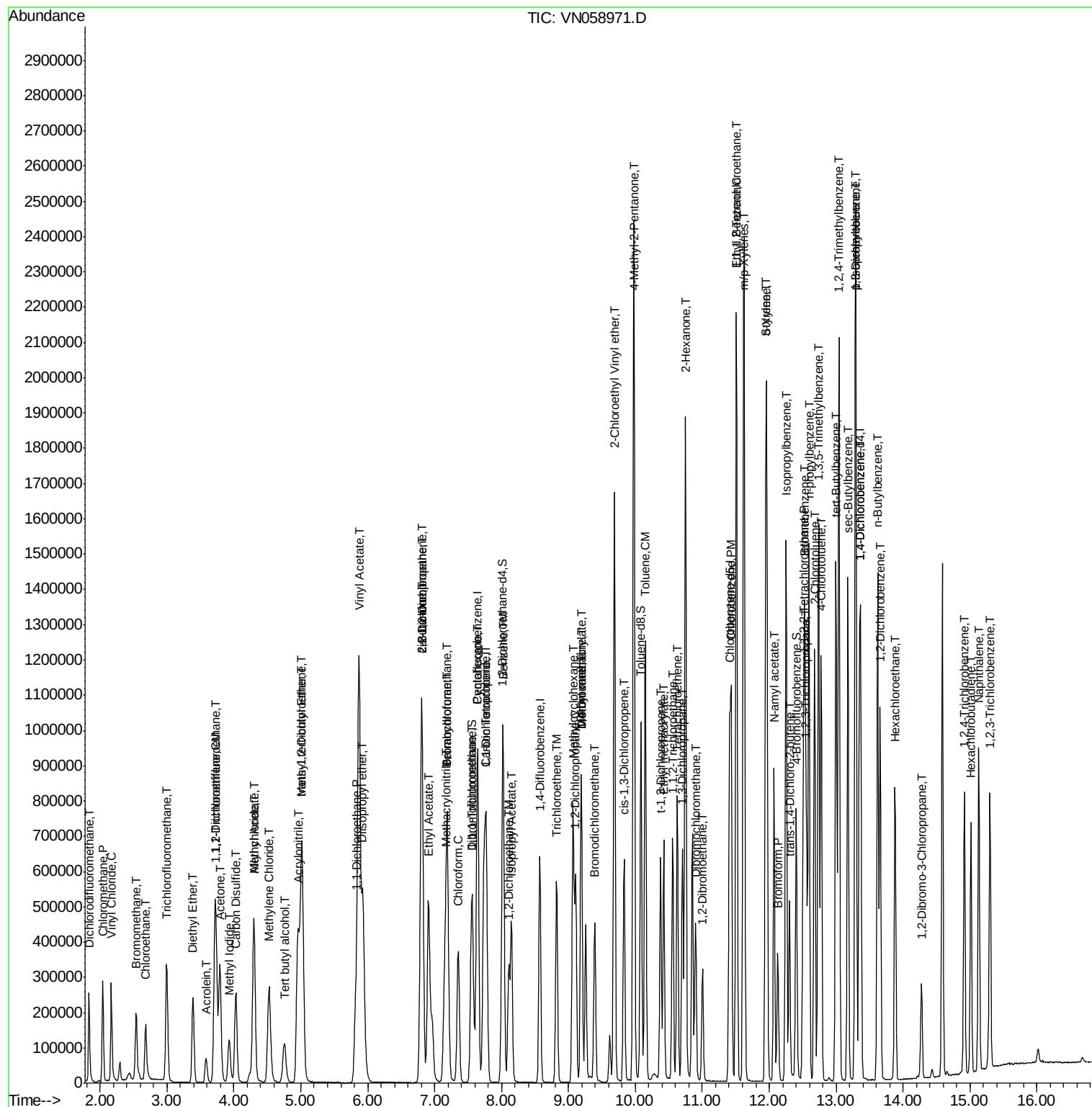
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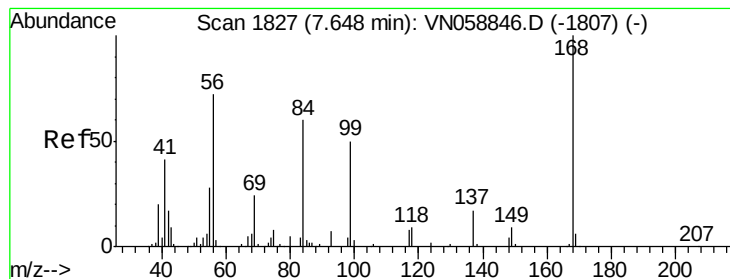
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 346137

Ion Ratio Lower Upper

168 100

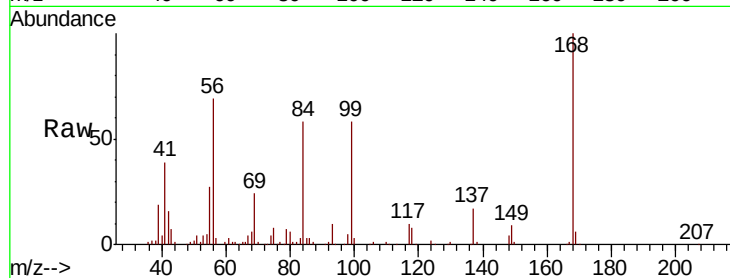
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Manual Integrations

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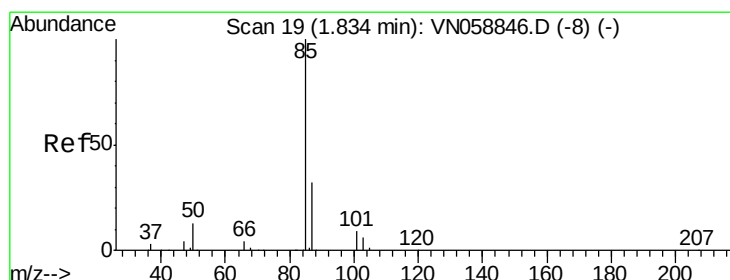
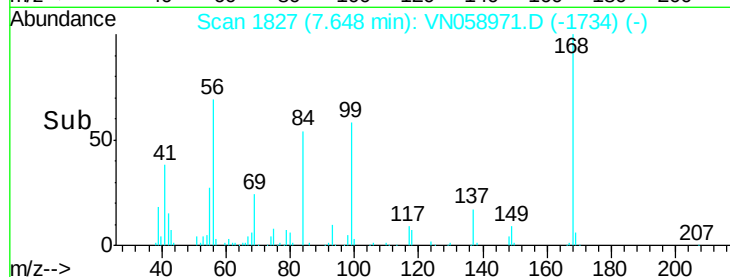
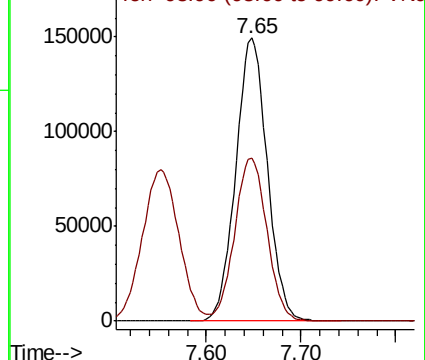
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.341 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058971.D

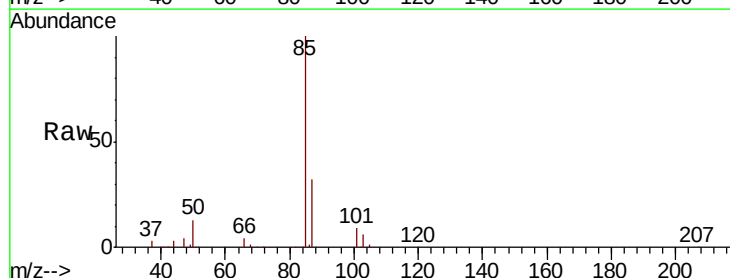
Acq: 24 Oct 2019 18:52

Tgt Ion: 85 Resp: 204305

Ion Ratio Lower Upper

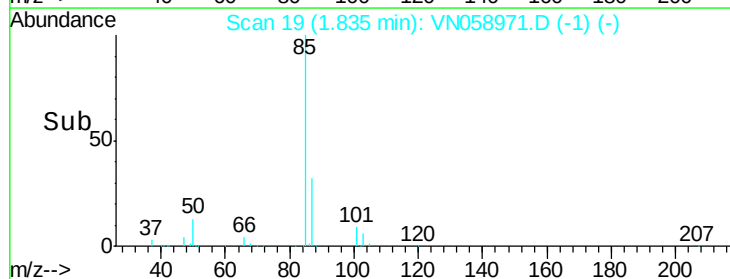
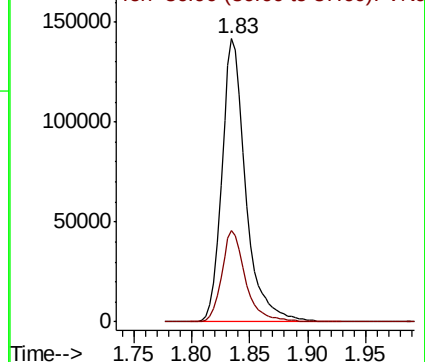
85 100

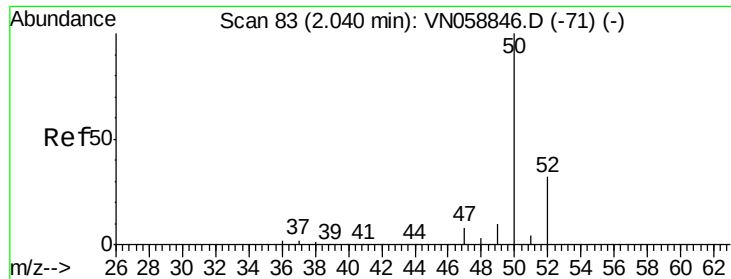
87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.941 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 245552

Ion Ratio Lower Upper

50 100

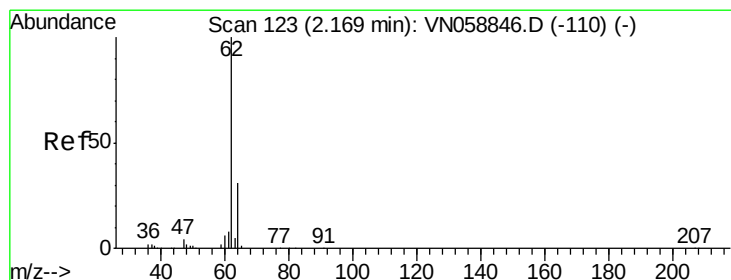
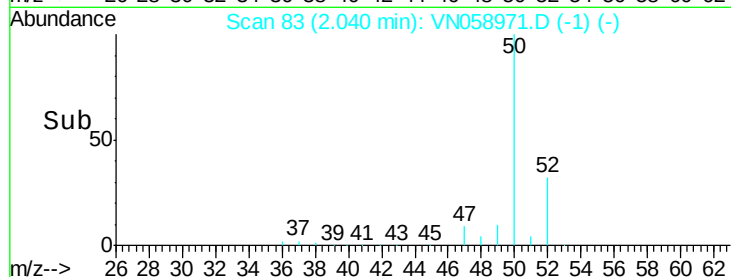
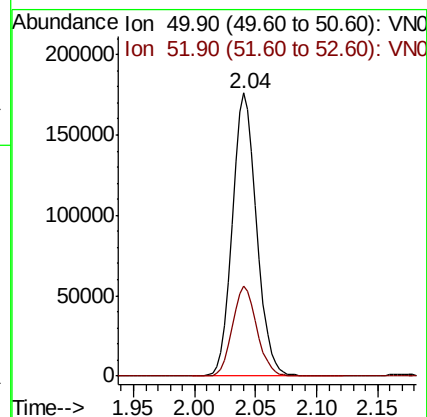
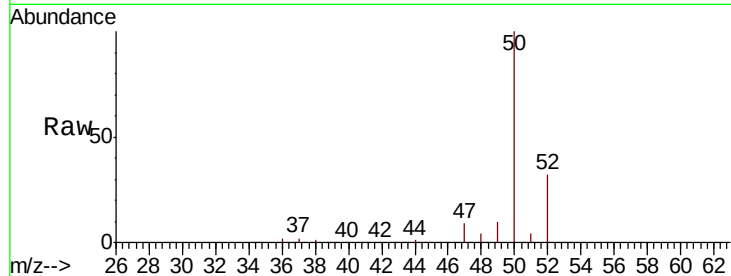
52 31.7 25.7 38.5

Manual Integrations

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10/25/2019 2:36:28 PM



#4

Vinyl Chloride

Concen: 48.474 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058971.D

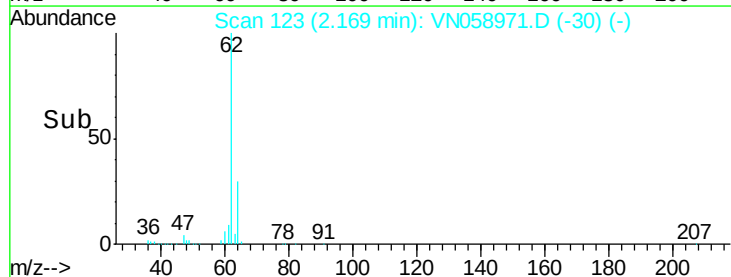
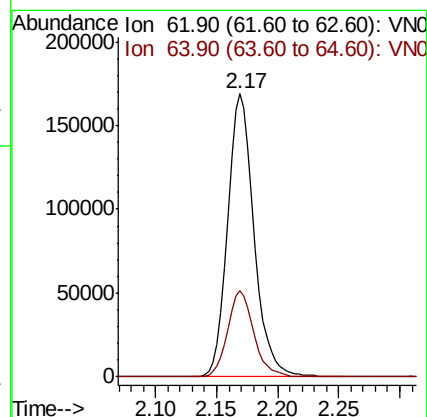
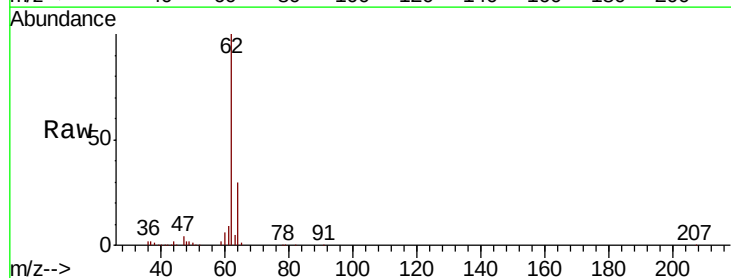
Acq: 24 Oct 2019 18:52

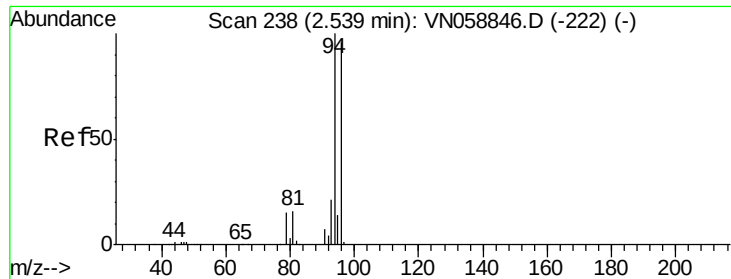
Tgt Ion: 62 Resp: 257255

Ion Ratio Lower Upper

62 100

64 30.3 24.6 36.8





#5

Bromomethane

Concen: 41.611 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 138288

Ion Ratio Lower Upper

94 100

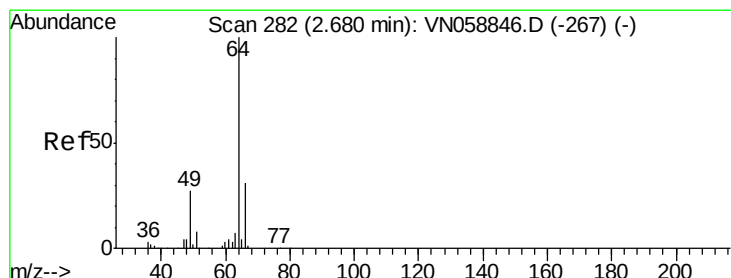
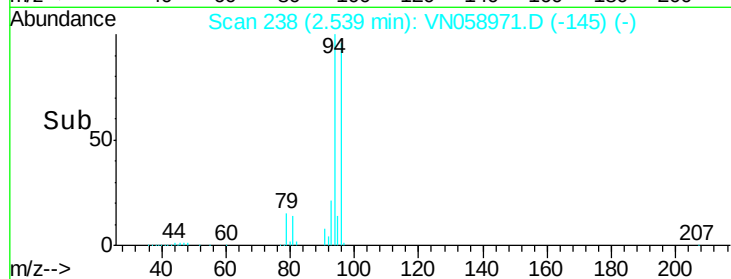
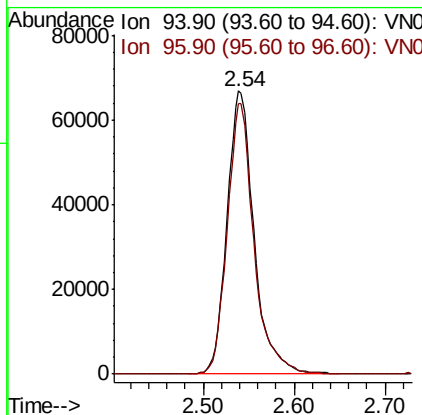
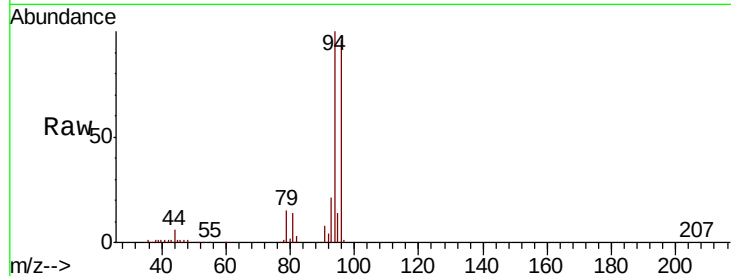
96 95.7 77.0 115.6

Manual Integrations

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#6

Chloroethane

Concen: 47.227 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN058971.D

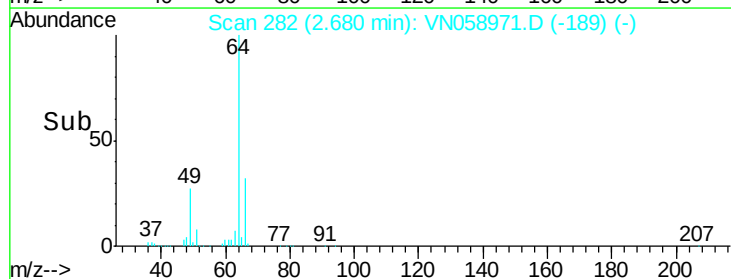
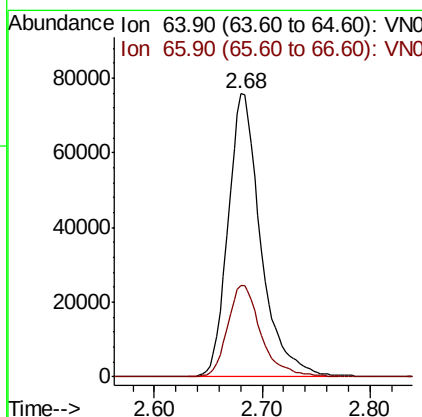
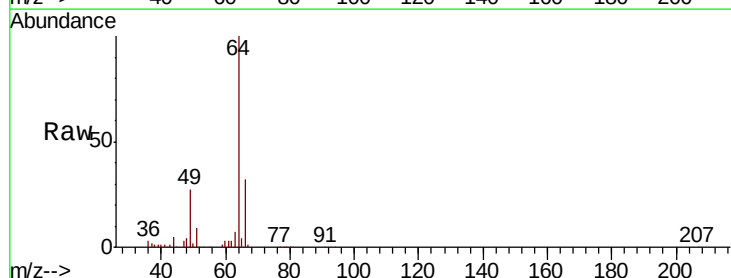
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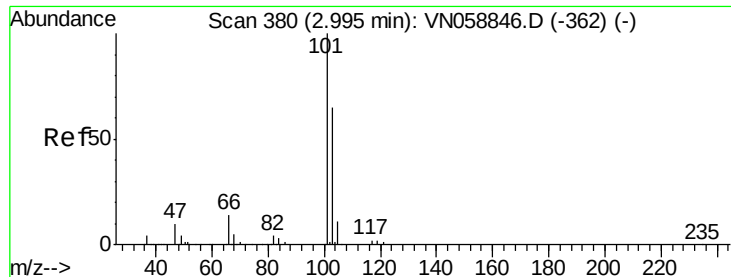
Tgt Ion: 64 Resp: 160728

Ion Ratio Lower Upper

64 100

66 32.4 25.0 37.4





#7

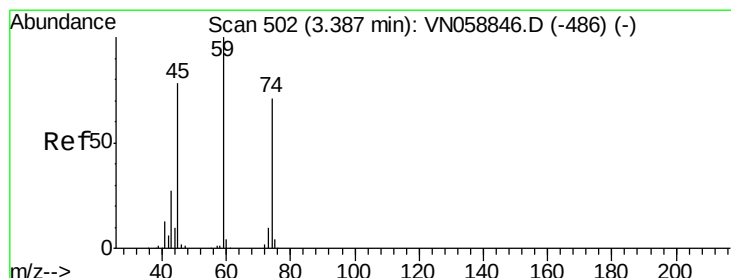
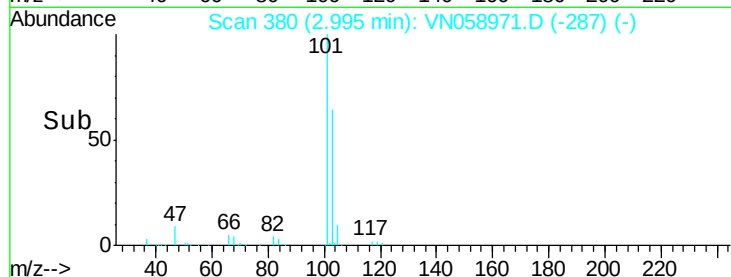
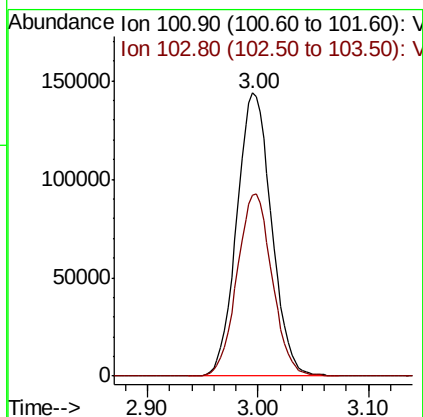
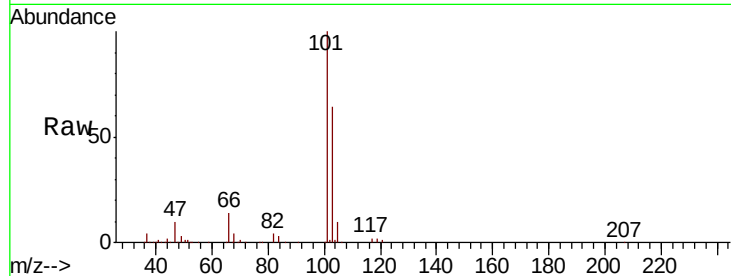
Trichlorofluoromethane
Concen: 47.831 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.2	78.2

Manual Integrations
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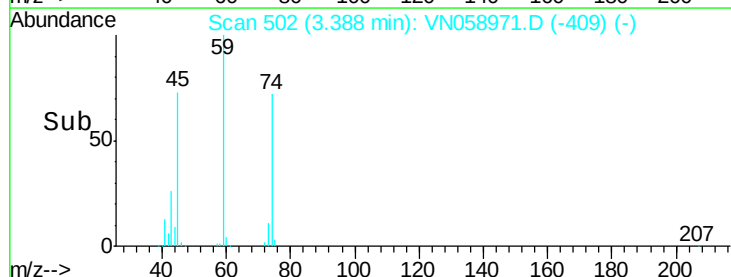
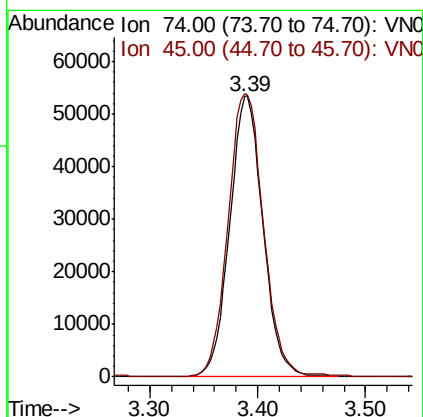
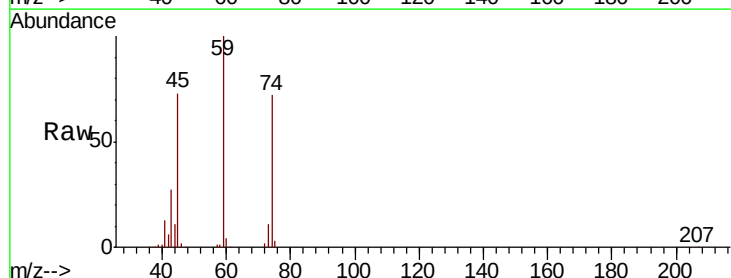
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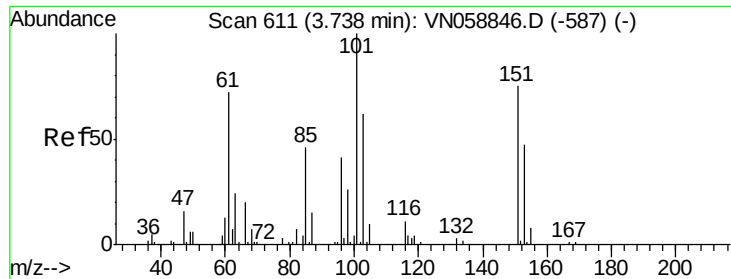


#8

Diethyl Ether
Concen: 50.604 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.1	54.9	164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.350 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

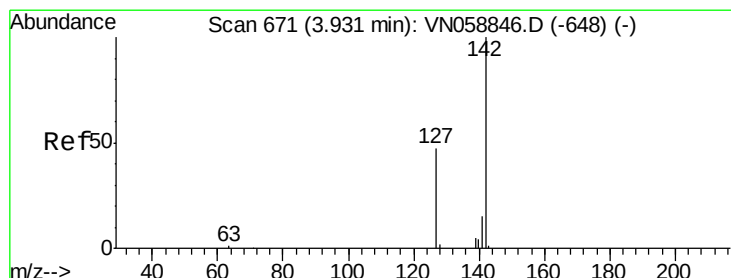
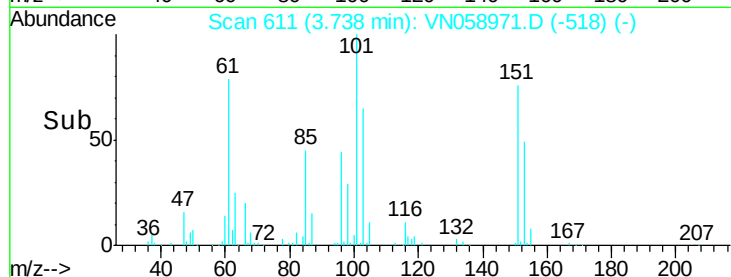
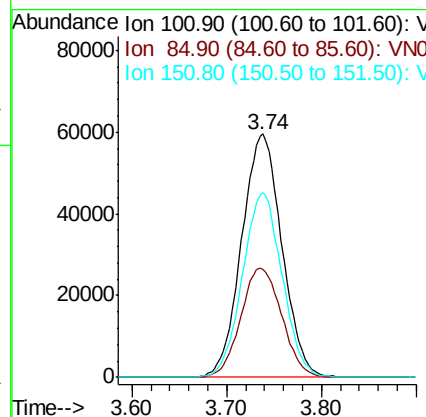
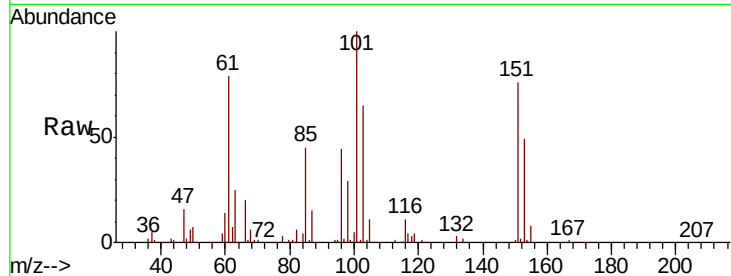
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	176012
Ion Ratio	Lower	Upper	
101	100		
85	45.7	37.2	55.8
151	74.7	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 41.542 ug/l

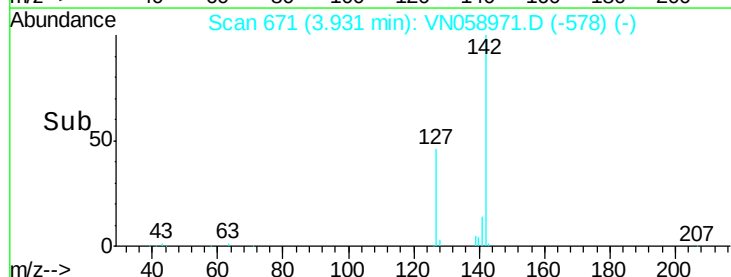
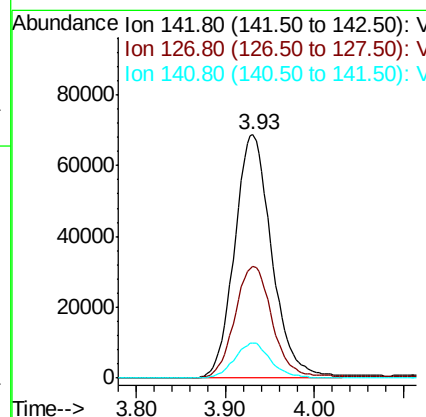
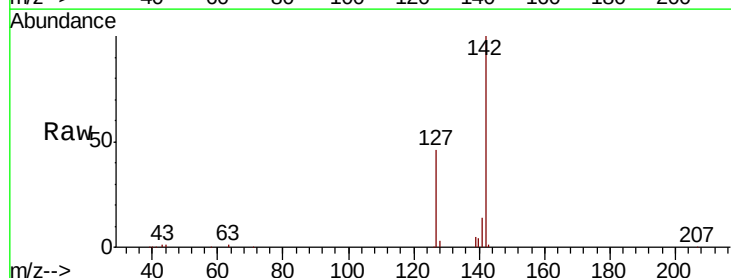
RT: 3.93 min Scan# 671

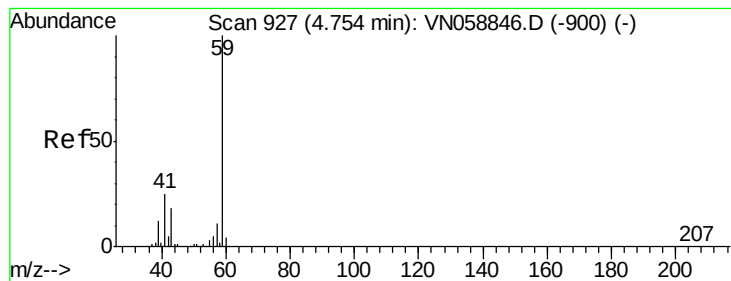
Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Tgt Ion:	142	Resp:	198898
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.6	54.8
141	14.0	11.4	17.2





#11

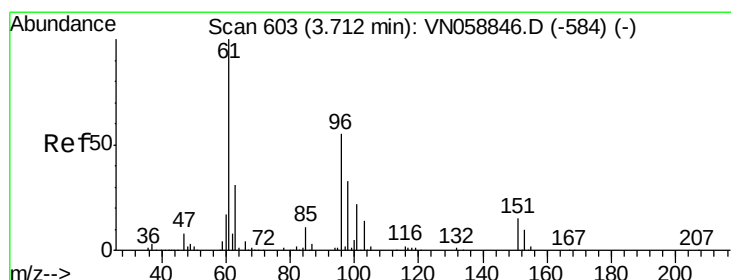
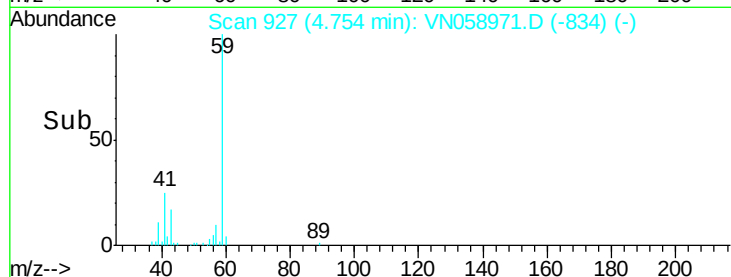
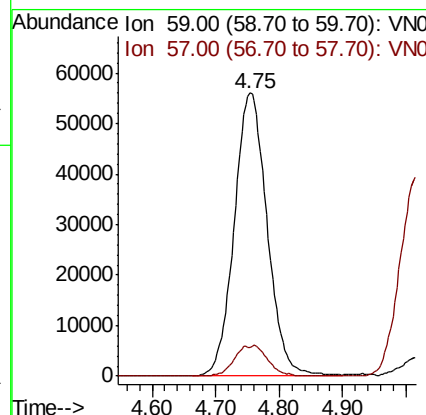
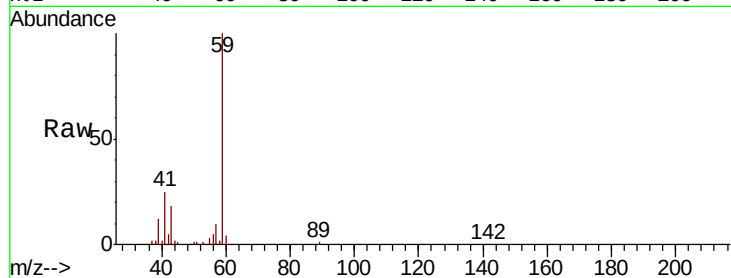
Tert butyl alcohol
Concen: 239.169 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 201487
Ion Ratio Lower Upper
59 100
57 5.4 8.6 12.8#

Manual Integrations
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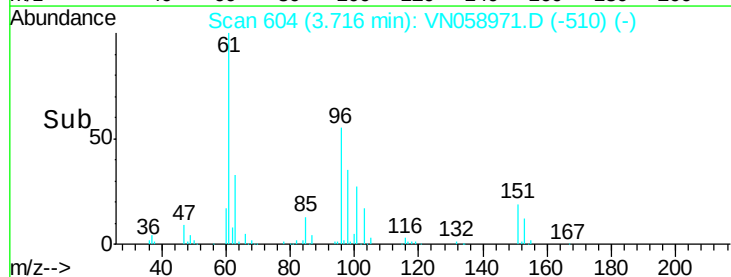
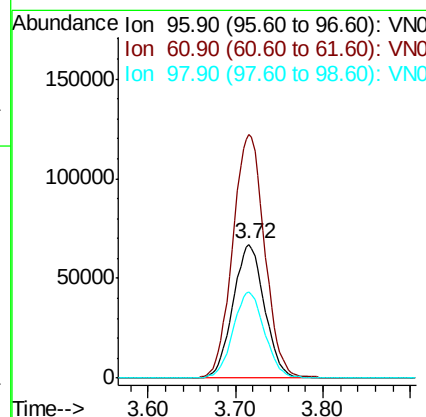
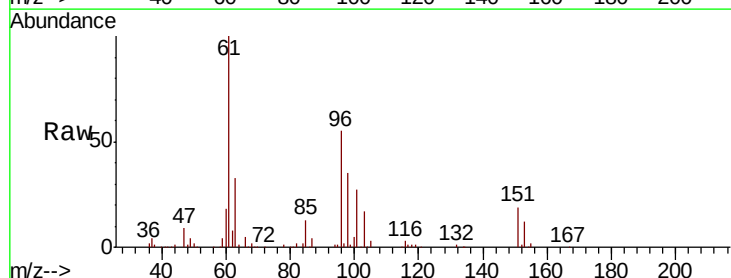
MMDadoda
10/25/2019 2:36:28 PM

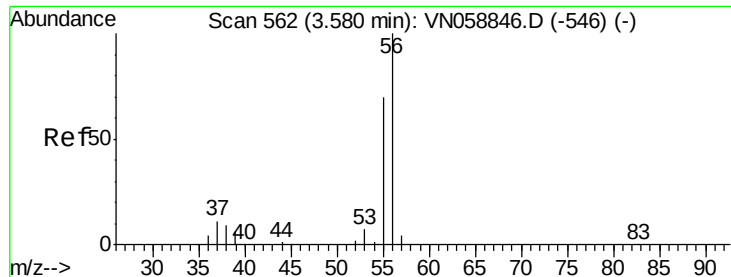


#12

1,1-Dichloroethene
Concen: 49.152 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion: 96 Resp: 167719
Ion Ratio Lower Upper
96 100
61 182.1 146.2 219.2
98 64.3 48.7 73.1





#13

Acrolein

Concen: 130.478 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 75527

Ion Ratio Lower Upper

56 100

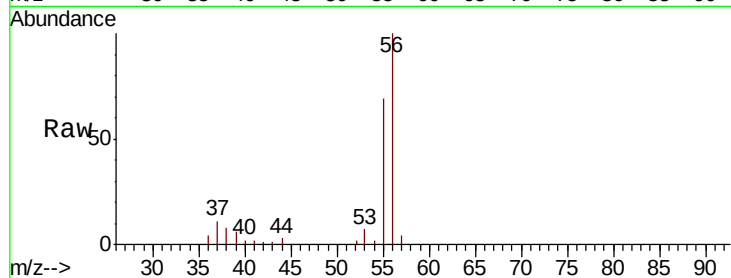
55 72.2 56.6 85.0

Manual Integrations

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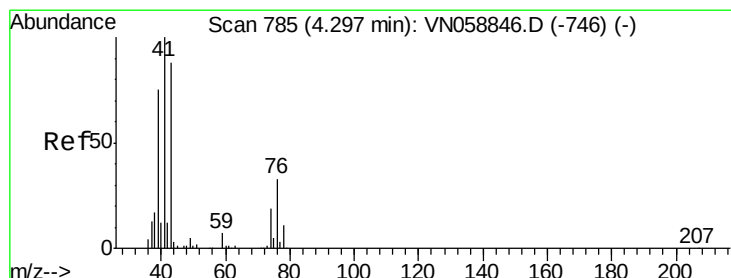
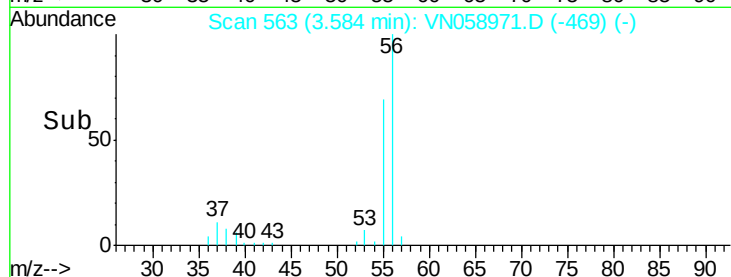
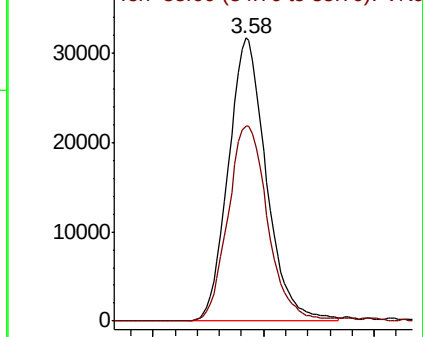
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.165 ug/l m

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

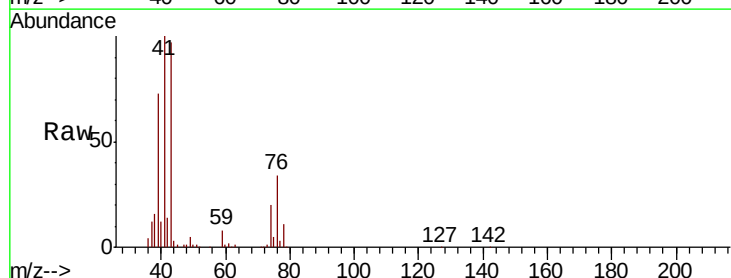
Tgt Ion: 41 Resp: 346376

Ion Ratio Lower Upper

41 100

39 68.2 55.9 83.9

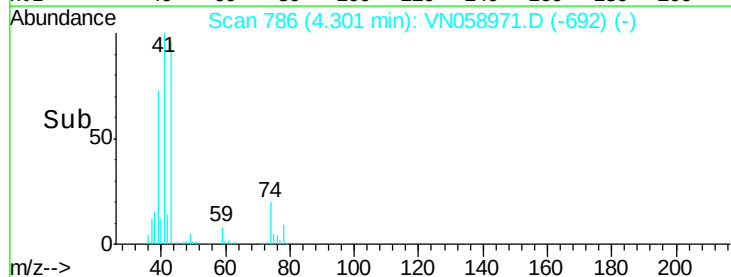
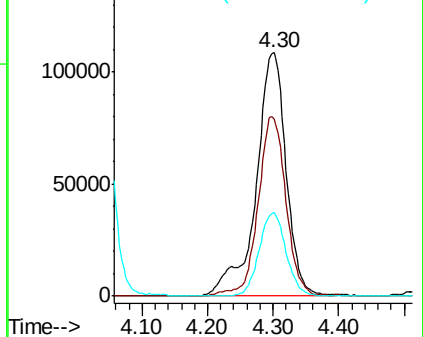
76 30.7 24.1 36.1

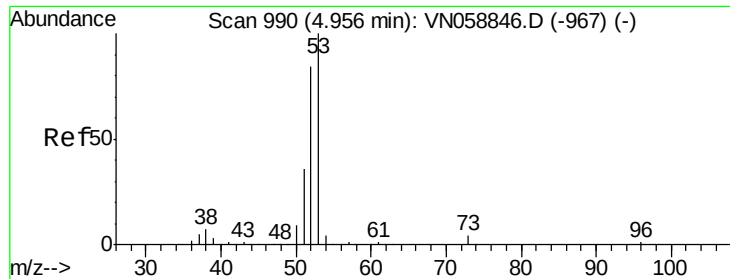


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 264.610 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

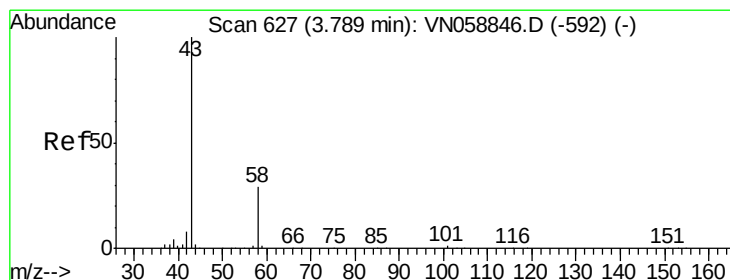
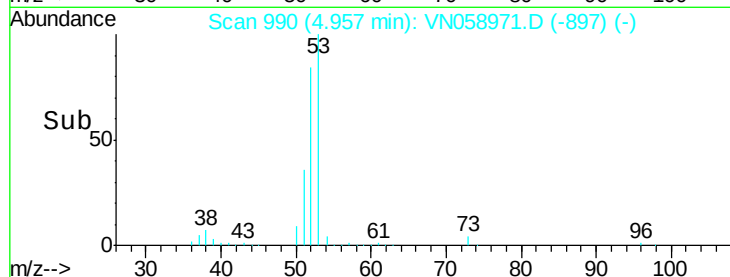
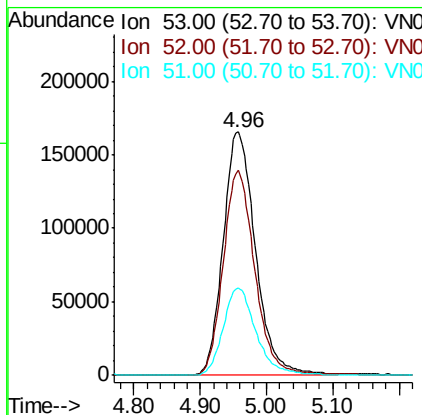
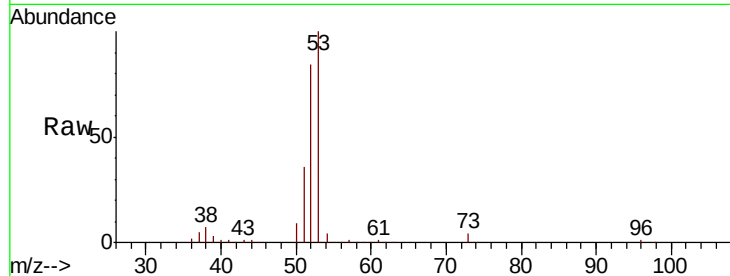
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	560735
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.6	99.8
51	36.6	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 219.116 ug/l

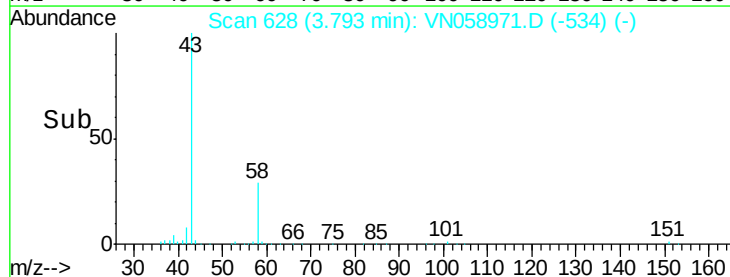
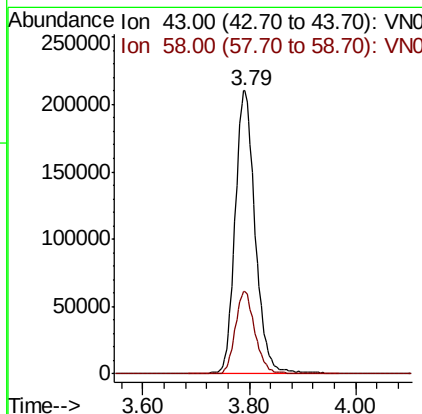
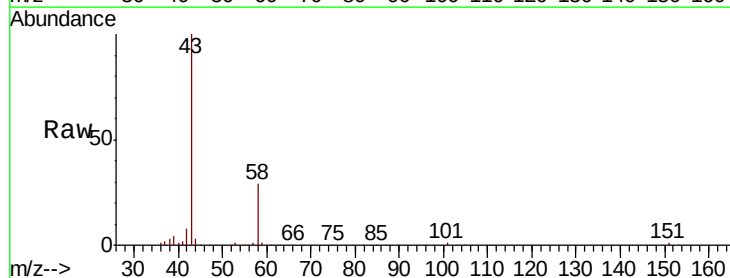
RT: 3.79 min Scan# 628

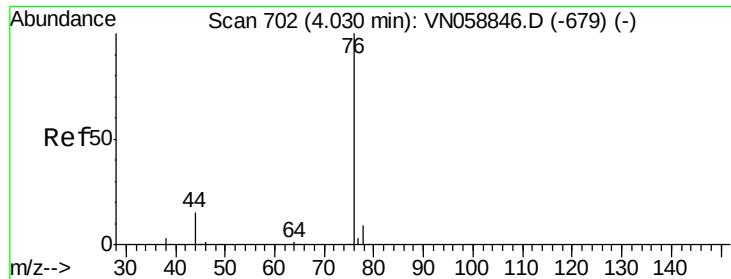
Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Tgt Ion	43	Resp	549669
Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.1	34.7





#17

Carbon Disulfide

Concen: 44.648 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 490764

Ion Ratio Lower Upper

76 100

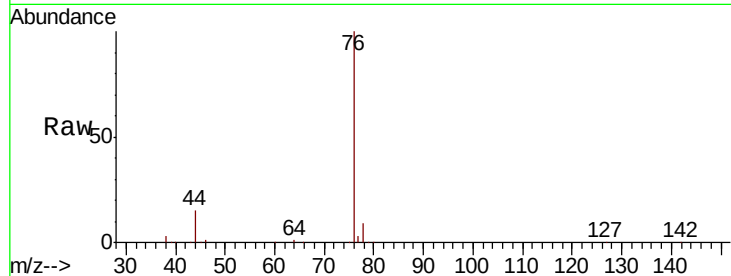
78 9.3 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

200000

150000

100000

50000

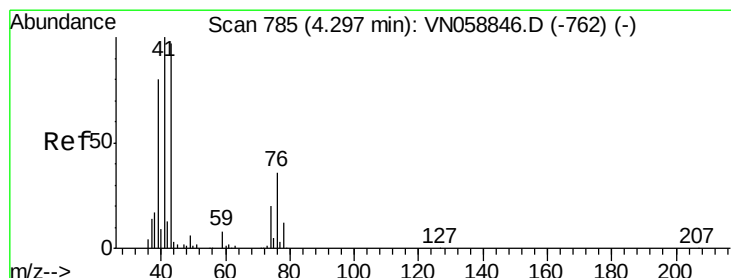
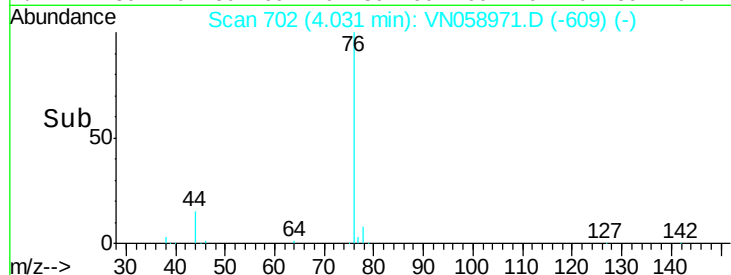
0

3.90

4.03

4.10

Time-->



#18

Methyl Acetate

Concen: 51.666 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058971.D

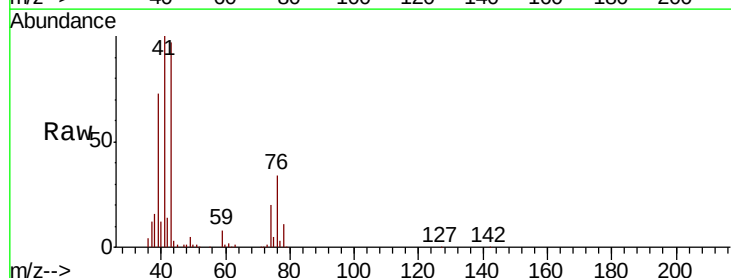
Acq: 24 Oct 2019 18:52

Tgt Ion: 43 Resp: 294664

Ion Ratio Lower Upper

43 100

74 21.6 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

120000

100000

80000

60000

40000

20000

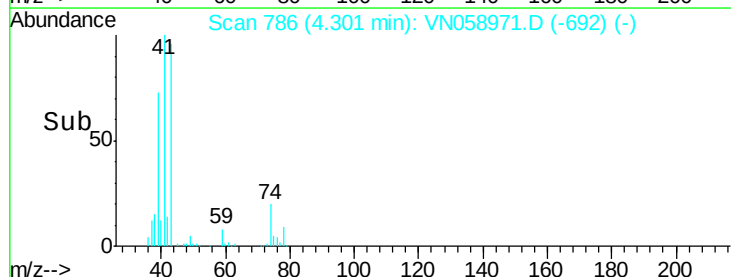
0

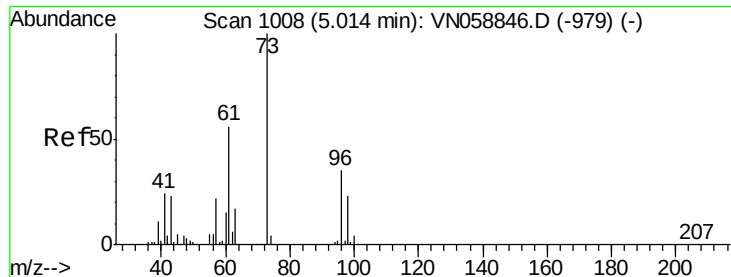
4.20

4.30

4.40

Time-->





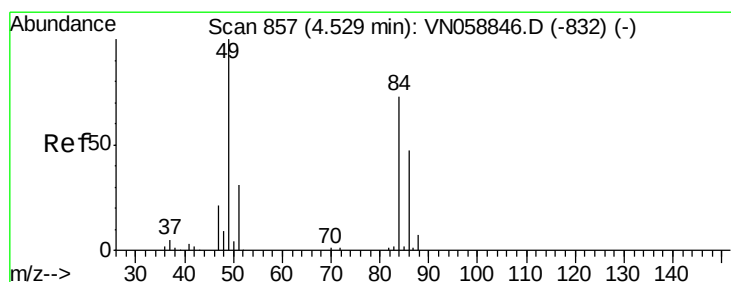
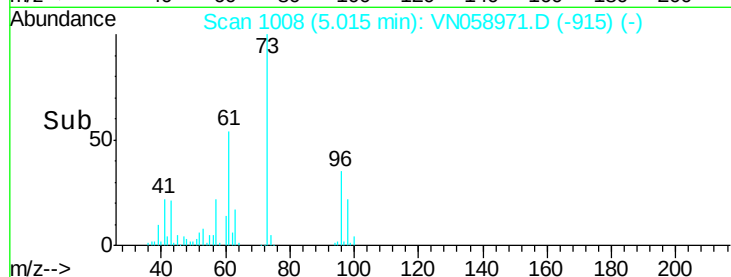
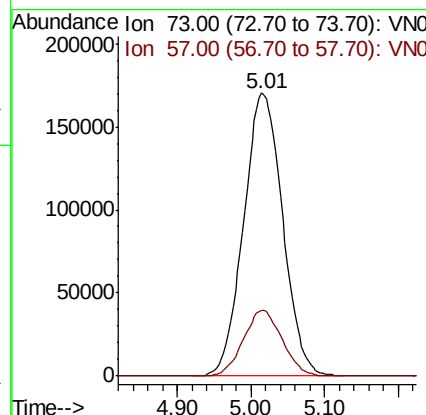
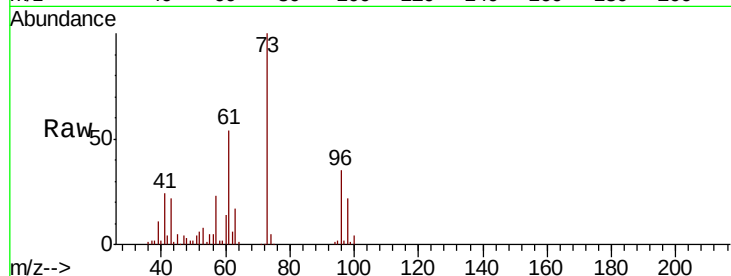
#19
Methyl tert-butyl Ether
Concen: 52.580 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 628235
Ion Ratio Lower Upper
73 100
57 23.2 17.9 26.9

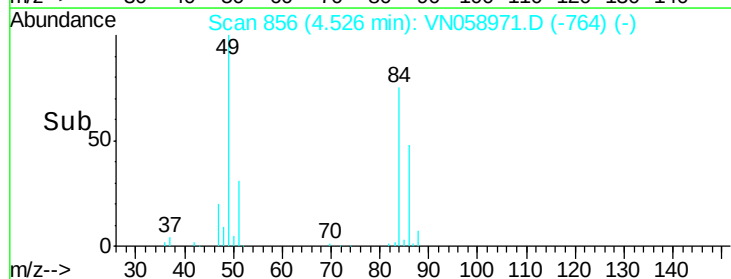
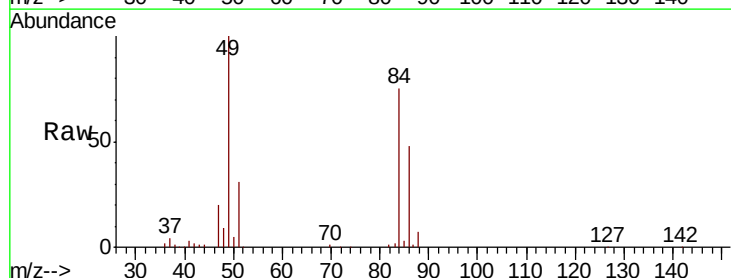
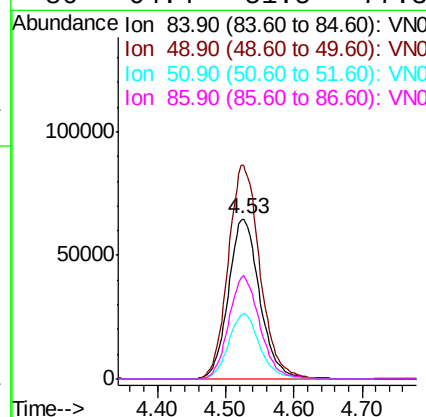
Manual Integrations
APPROVED

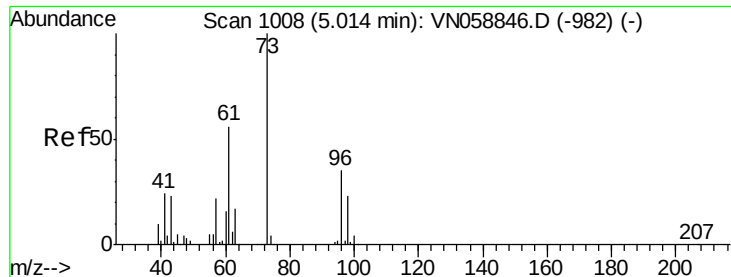
MMDadoda
10/25/2019 2:36:28 PM



#20
Methylene Chloride
Concen: 48.202 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion: 84 Resp: 206471
Ion Ratio Lower Upper
84 100
49 133.2 109.6 164.4
51 41.0 33.8 50.6
86 64.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.775 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

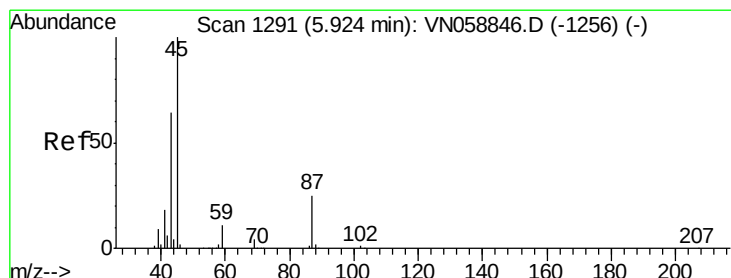
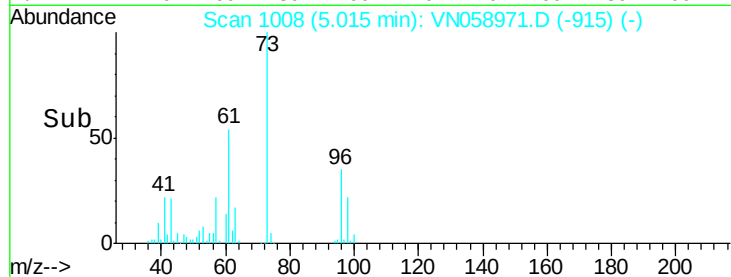
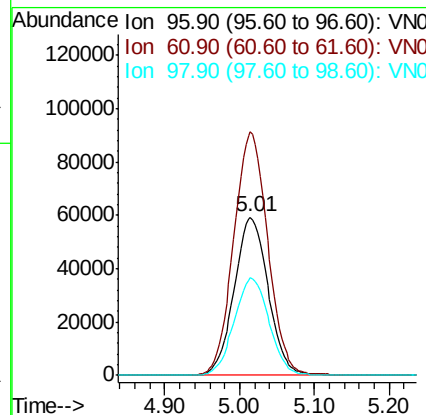
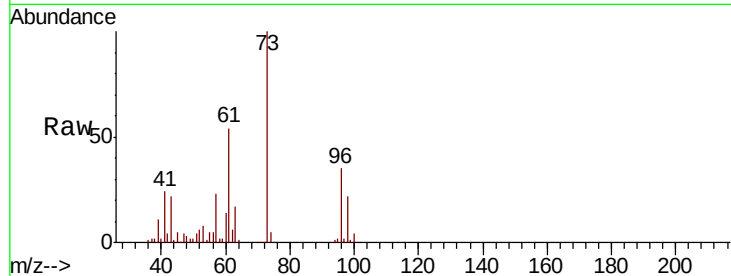
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	187569
Ion	Ratio	Lower	Upper
96	100		
61	153.9	126.7	190.1
98	61.8	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.012 ug/l

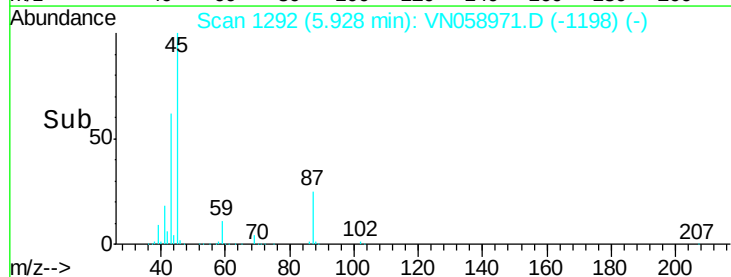
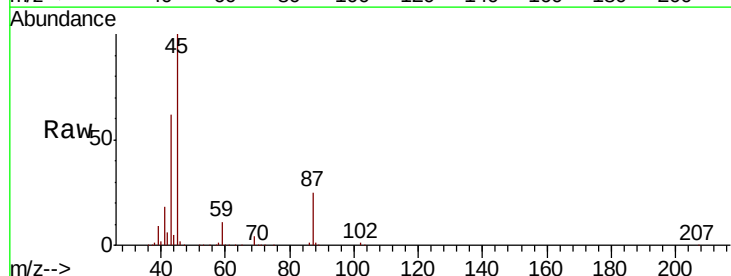
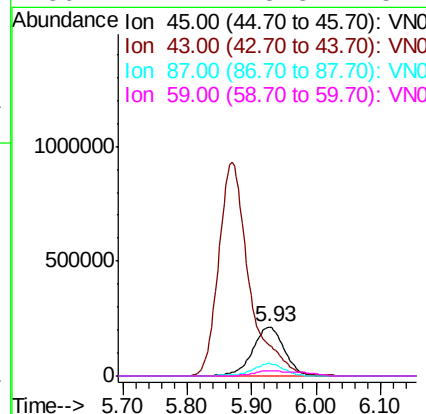
RT: 5.93 min Scan# 1292

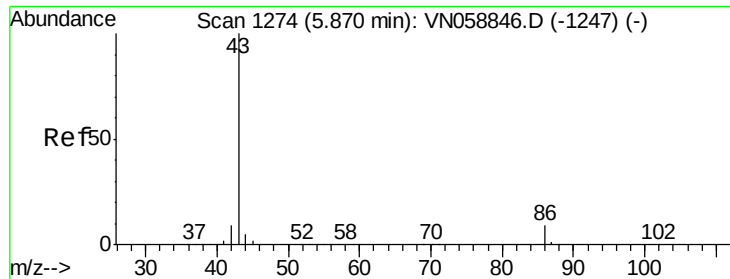
Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Tgt Ion:	45	Resp:	729470
Ion	Ratio	Lower	Upper
45	100		
43	60.8	52.9	79.3
87	25.1	20.2	30.4
59	11.2	8.8	13.2





#23

Vinyl Acetate

Concen: 283.360 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3074676

Ion Ratio Lower Upper

43 100

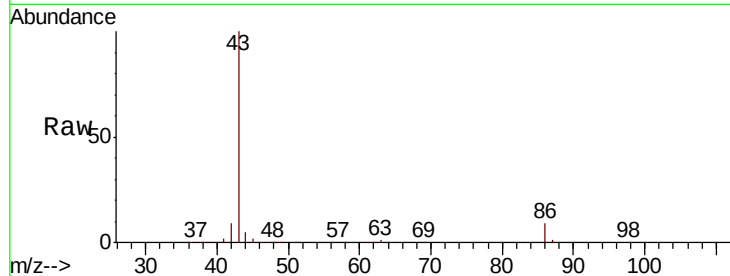
86 9.0 7.2 10.8

Manual Integrations

APPROVED

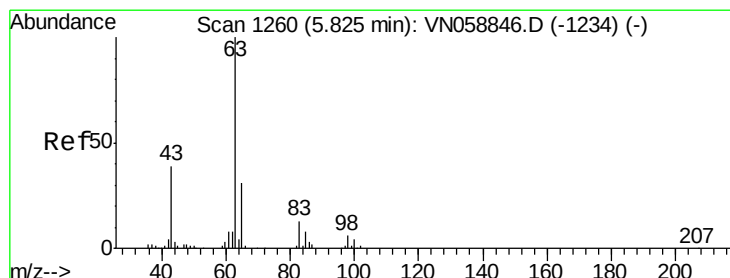
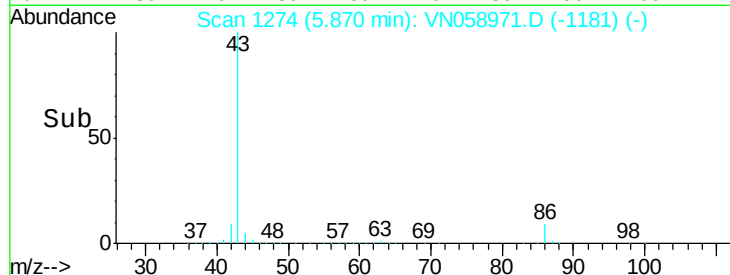
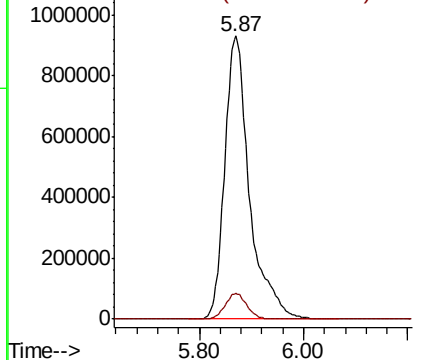
MMDadoda

10/25/2019 2:36:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.037 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

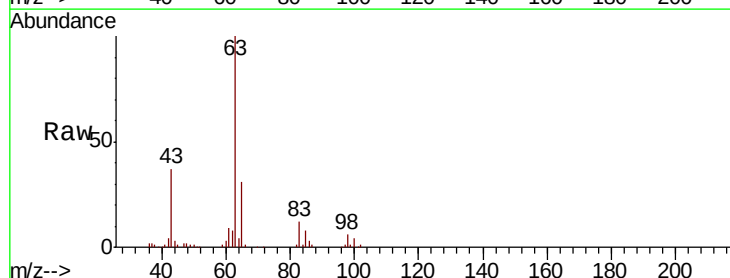
Tgt Ion: 63 Resp: 391847

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.4

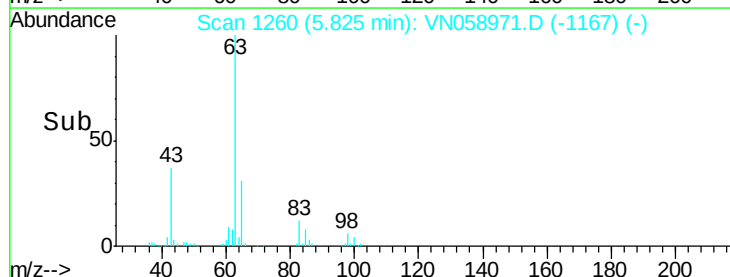
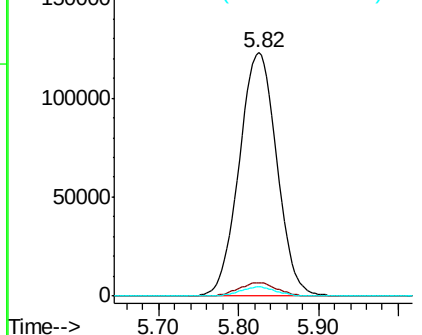
100 4.1 1.9 5.7

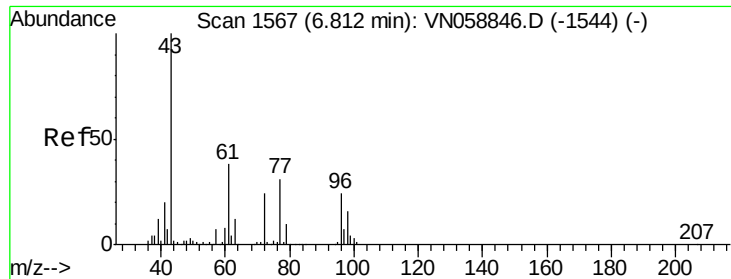


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 246.806 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 803696

Ion Ratio Lower Upper

43 100

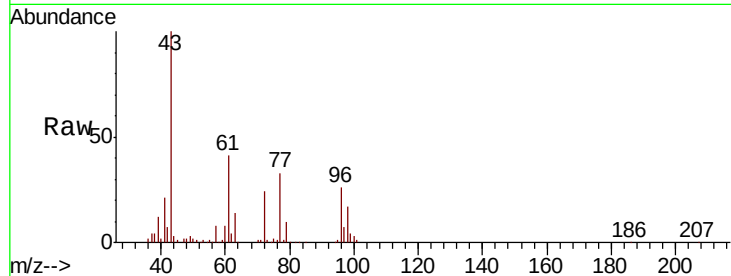
72 23.9 19.1 28.7

Manual Integrations

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10/25/2019 2:36:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

250000

200000

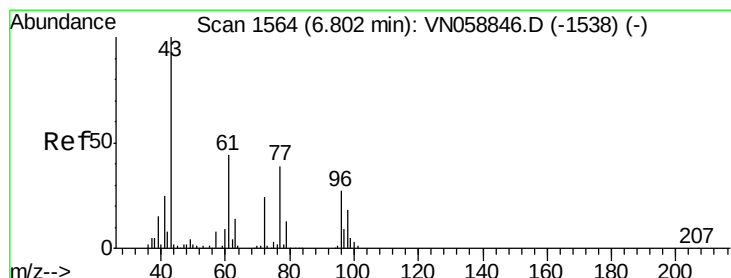
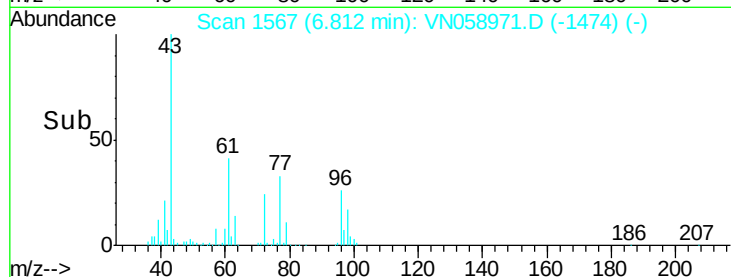
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 48.528 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058971.D

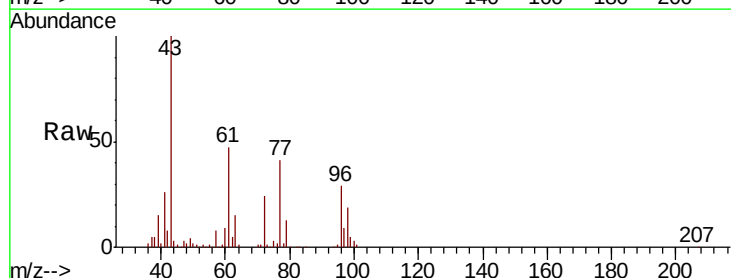
Acq: 24 Oct 2019 18:52

Tgt Ion: 77 Resp: 328717

Ion Ratio Lower Upper

77 100

97 21.1 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

120000

100000

80000

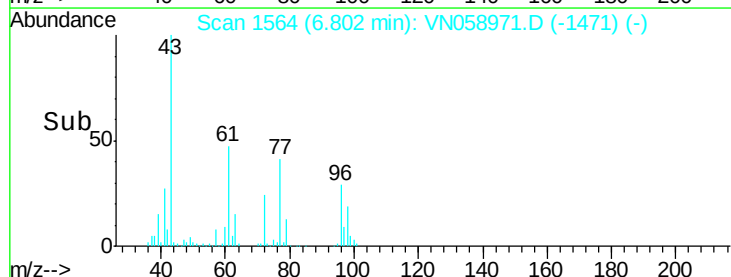
60000

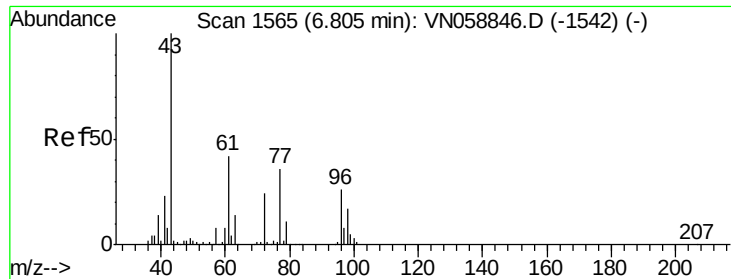
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.837 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

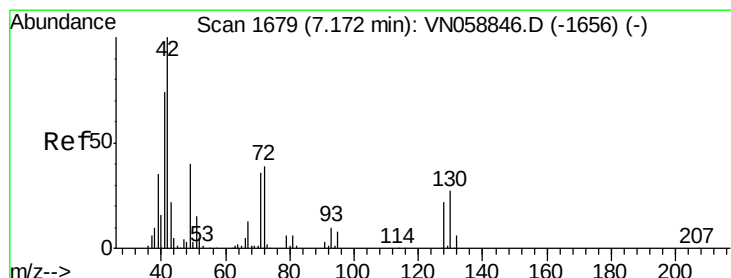
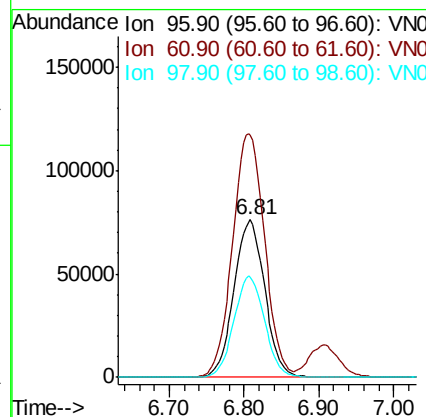
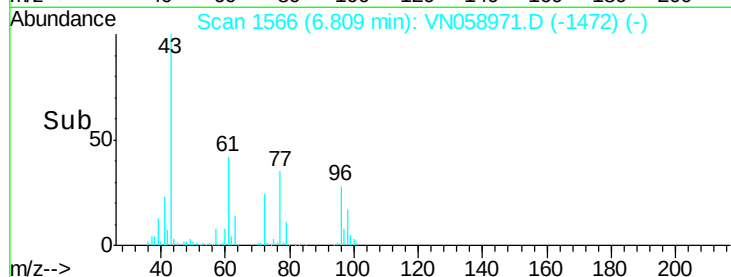
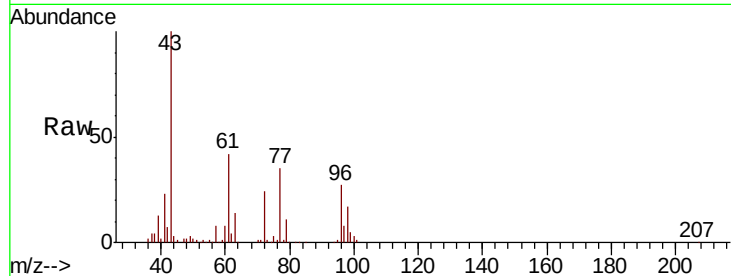
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	218841
Ion	Ratio	Lower	Upper
96	100		
61	160.4	0.0	325.0
98	63.8	0.0	128.0

Manual Integrations
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#28

Bromochloromethane

Concen: 49.948 ug/l

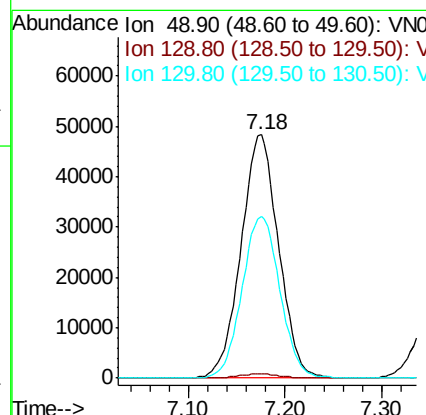
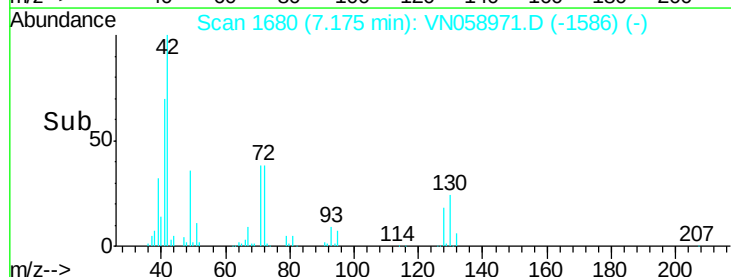
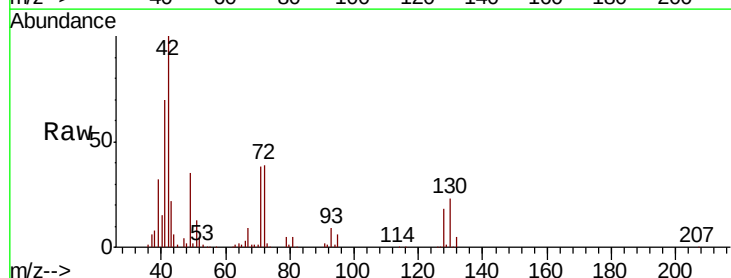
RT: 7.18 min Scan# 1680

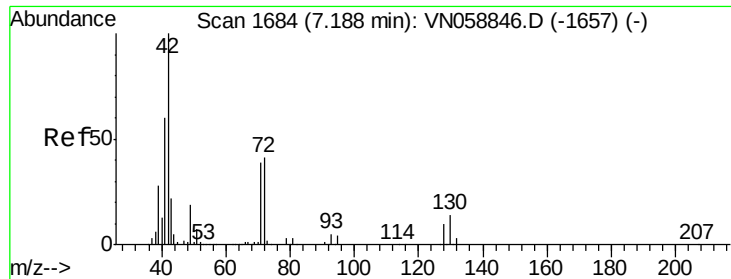
Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Tgt Ion:	49	Resp:	130269
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.2
130	67.1	53.5	80.3





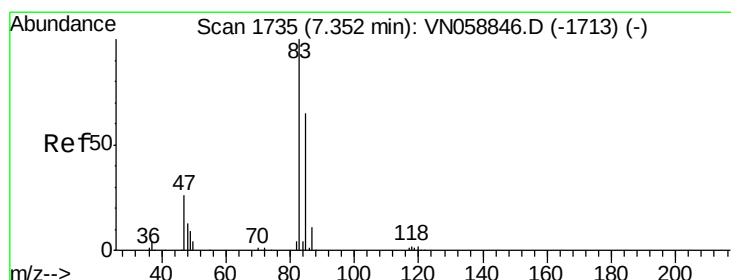
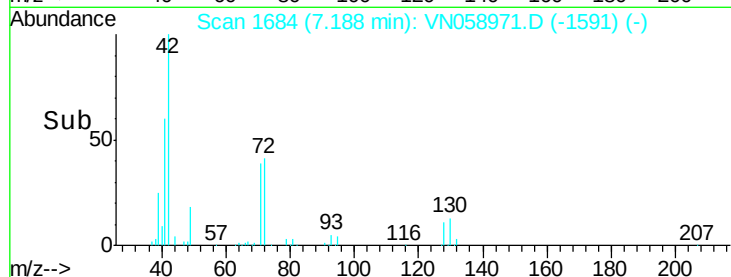
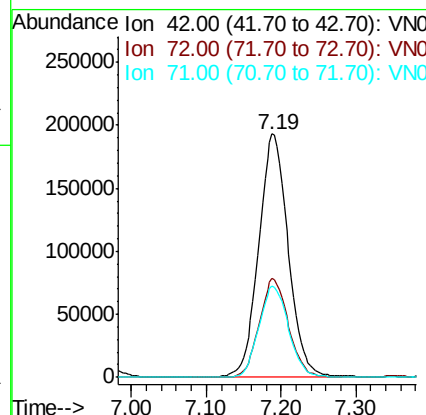
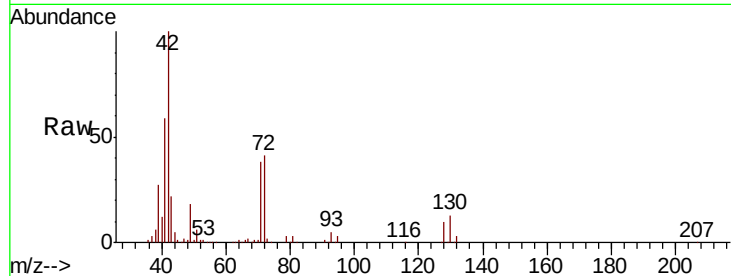
#29
Tetrahydrofuran
Concen: 265.480 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.2	48.2
71	37.8	30.6	45.8

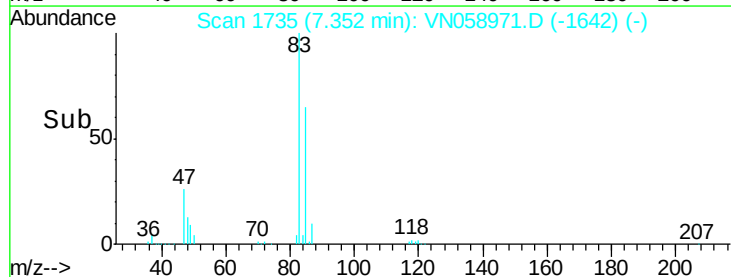
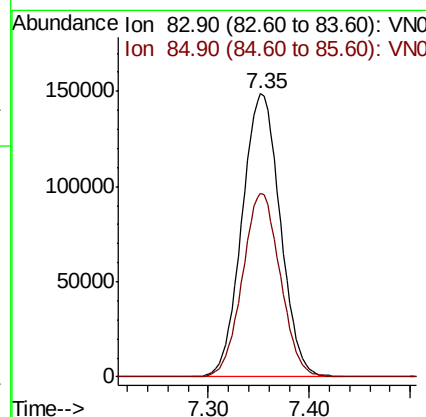
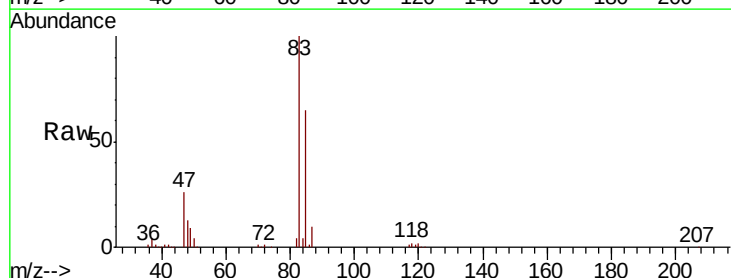
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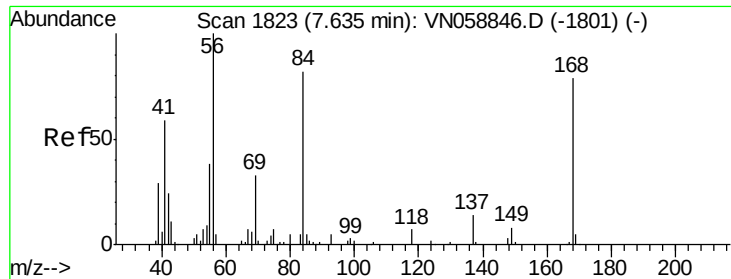
MMDadoda
10/25/2019 2:36:28 PM



#30
Chloroform
Concen: 49.749 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.9	77.9





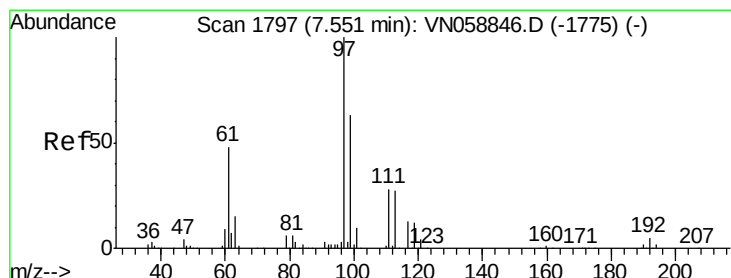
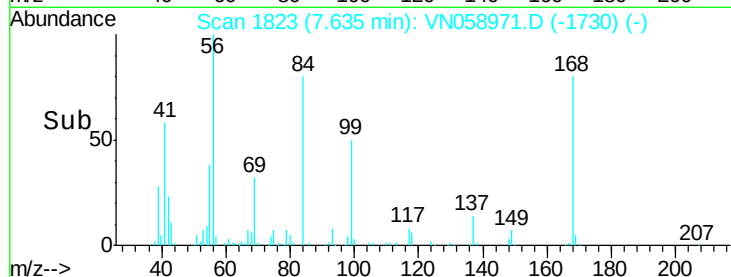
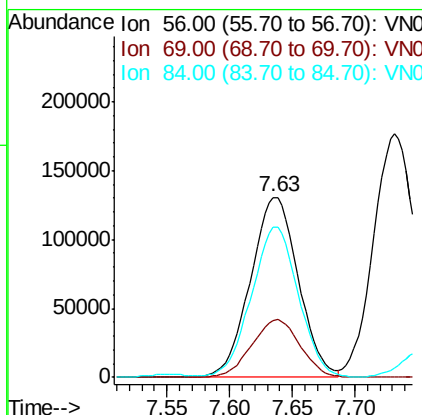
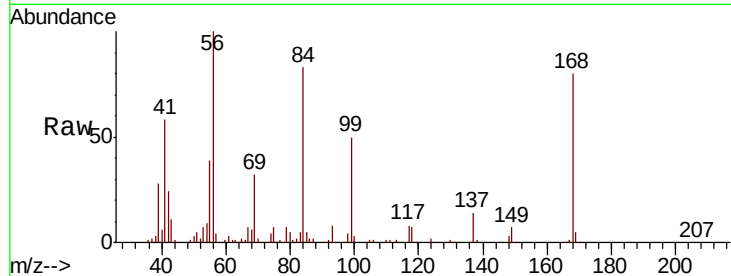
#31
Cyclohexane
Concen: 47.549 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	26.2	39.4
84	82.3	65.6	98.4

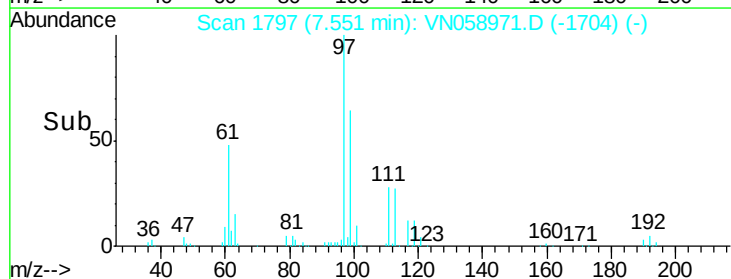
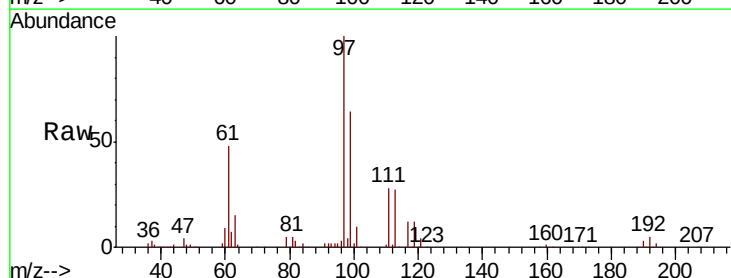
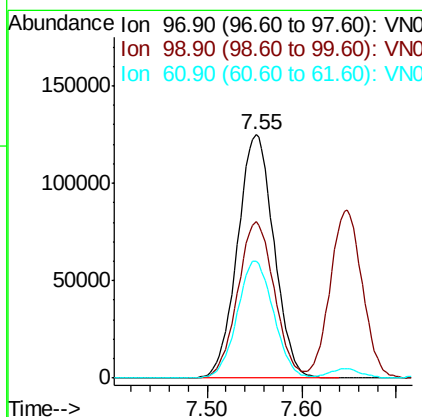
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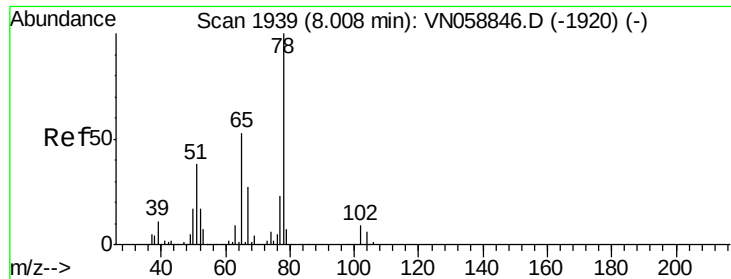
MMDadoda
10/25/2019 2:36:28 PM



#32
1,1,1-Trichloroethane
Concen: 50.541 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	48.0	38.6	58.0





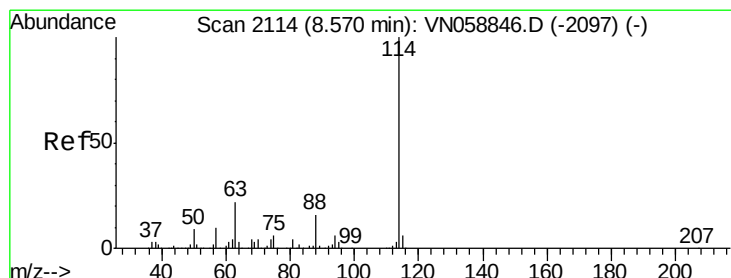
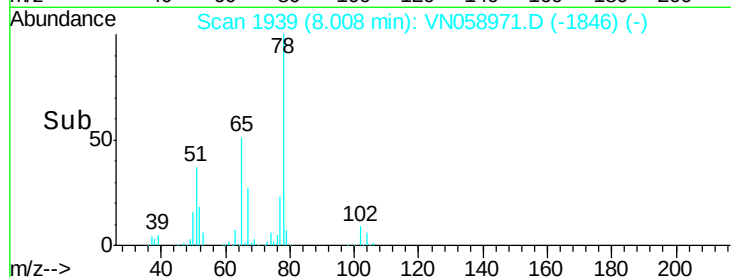
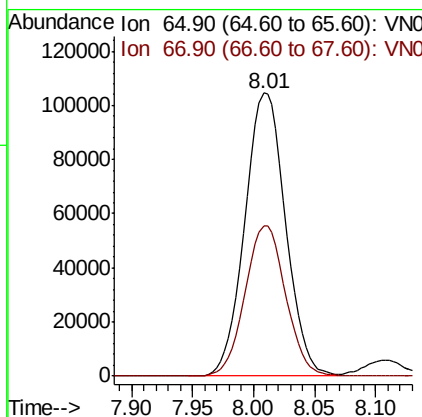
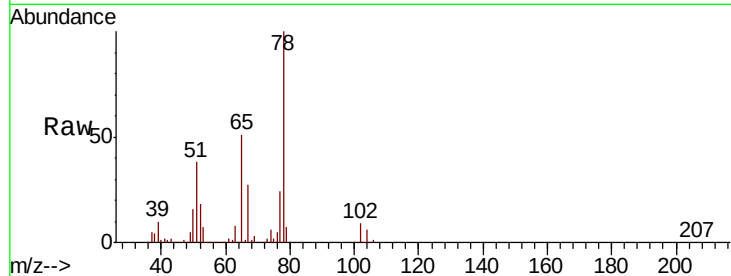
#33
 1,2-Dichloroethane-d4
 Concen: 47.612 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	103.2

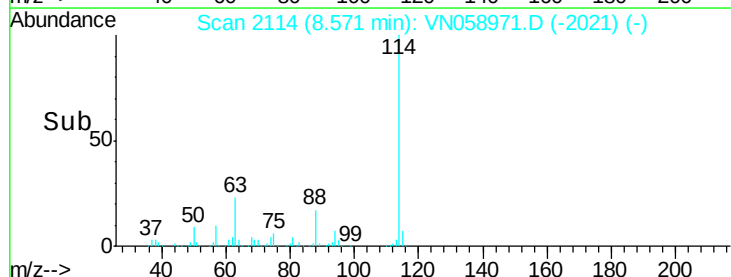
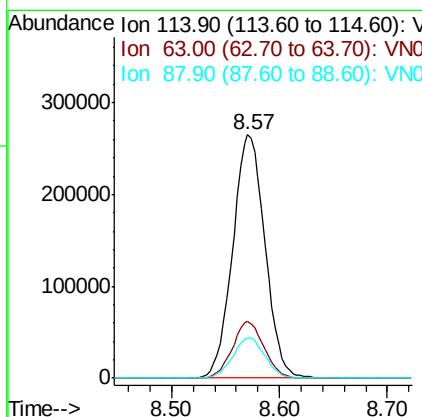
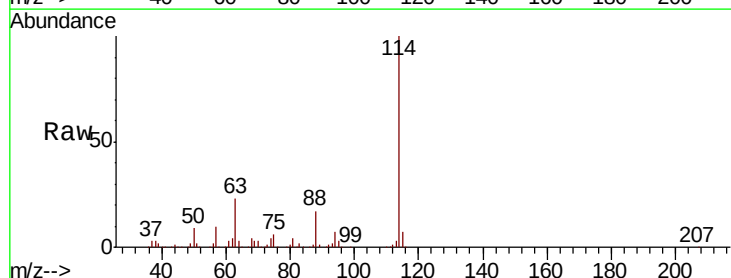
Manual Integrations
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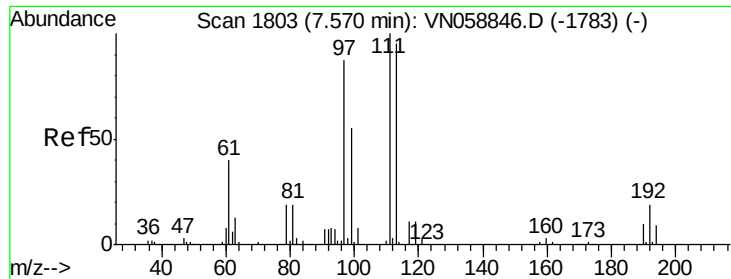
MMDadoda
 10/25/2019 2:36:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	44.4
88	16.6	0.0	31.4





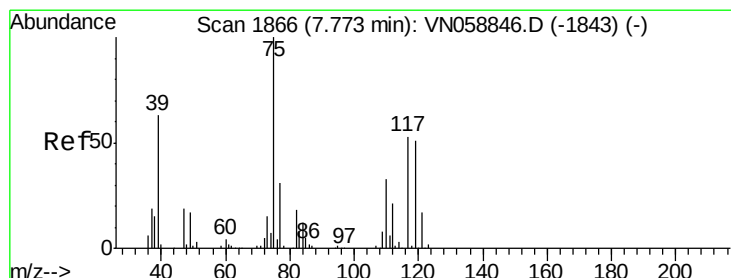
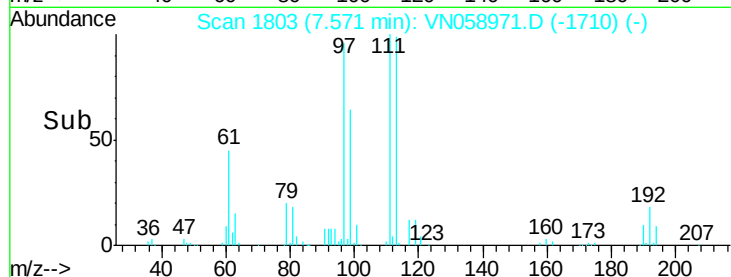
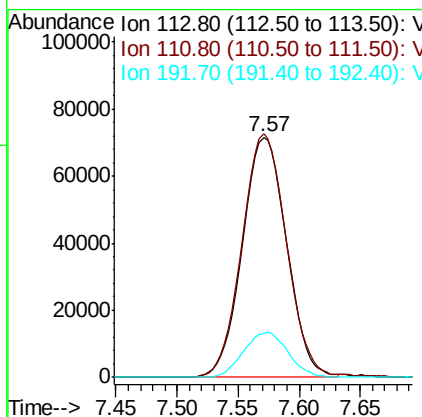
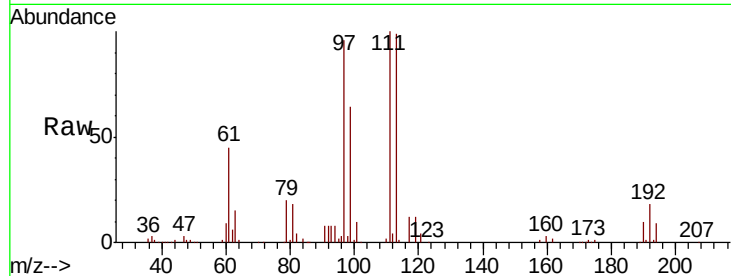
#35
 Dibromofluoromethane
 Concen: 49.634 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	179942		
111	101.8	82.0	123.0	
192	19.0	15.0	22.6	

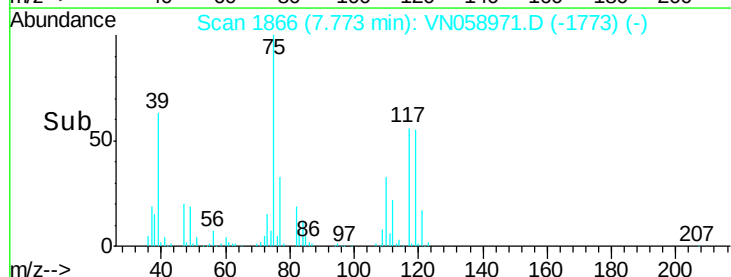
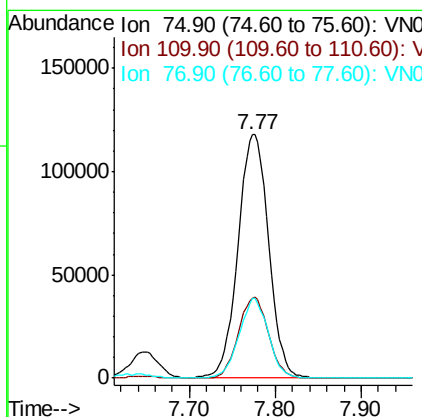
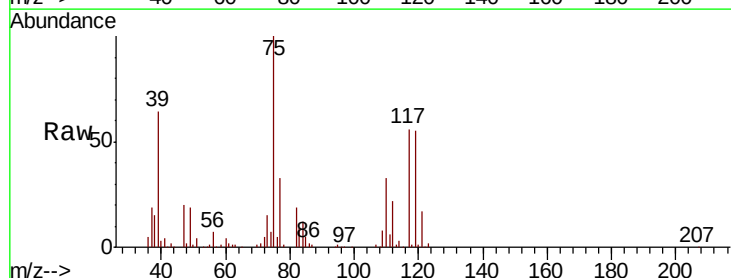
Manual Integrations
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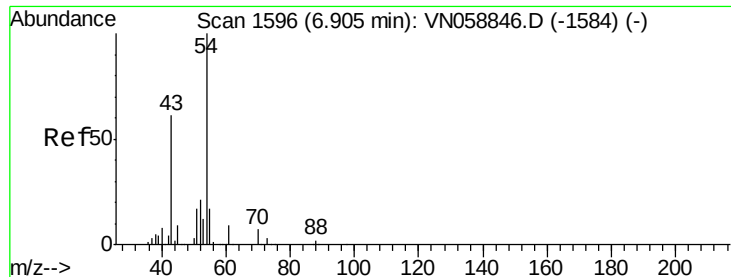
MMDadoda
 10/25/2019 2:36:28 PM



#36
 1,1-Dichloropropene
 Concen: 51.504 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	290754		
110	32.5	16.3	48.9	
77	31.6	24.6	36.8	





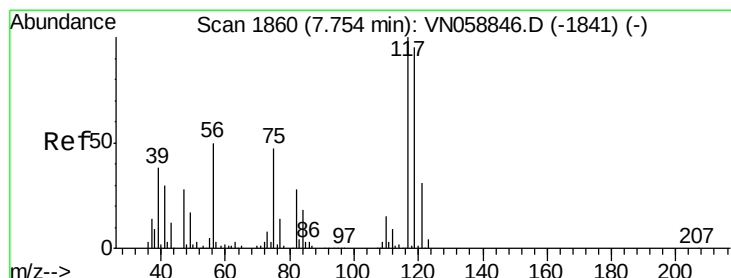
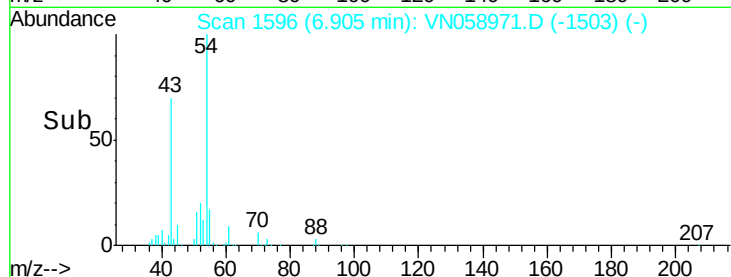
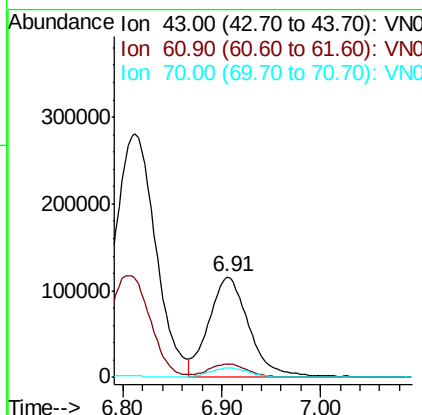
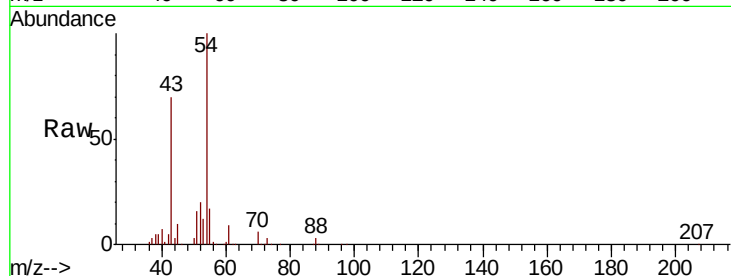
#37
Ethyl Acetate
Concen: 52.614 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.5	15.7
70	9.5	7.6	11.4

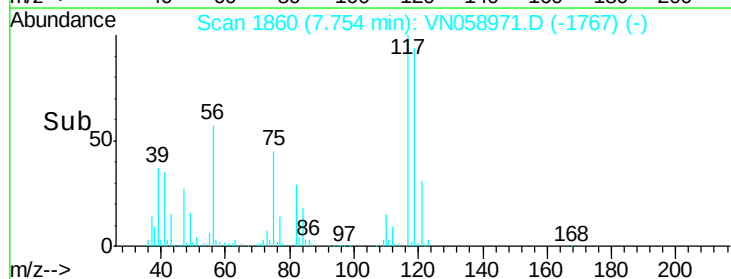
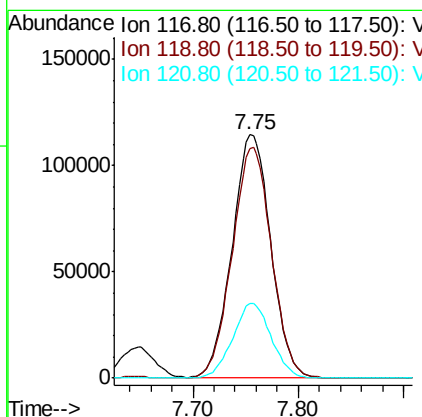
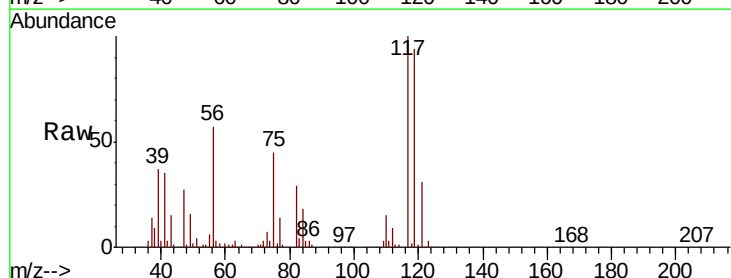
Manual Integrations
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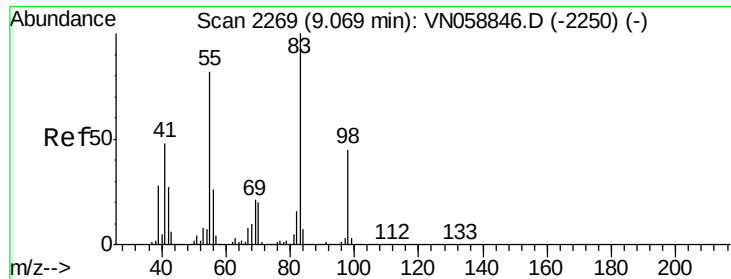
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.302 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.7	113.5
121	30.6	25.0	37.6





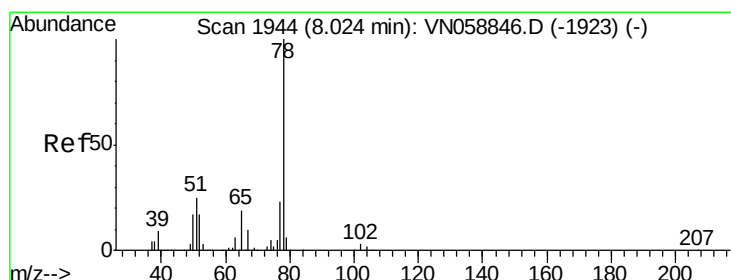
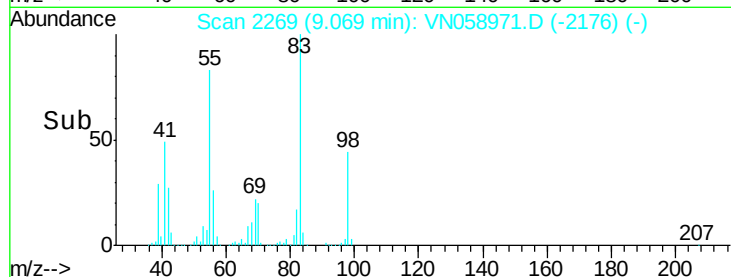
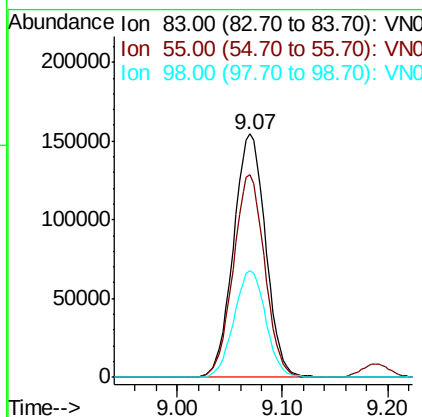
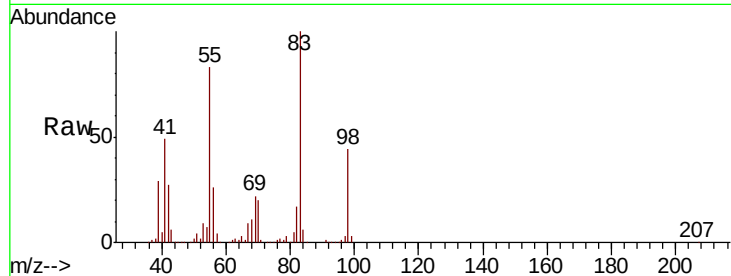
#39
Methylvlcyclohexane
Concen: 51.485 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.3	65.5	98.3
98	43.6	35.7	53.5

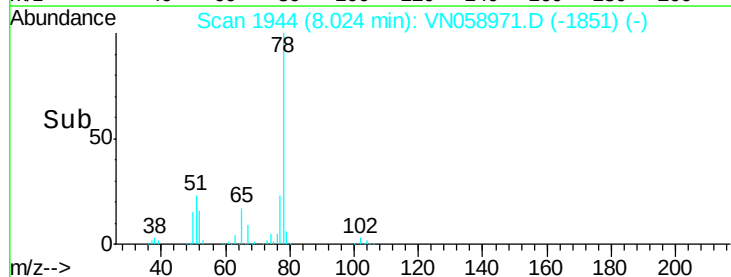
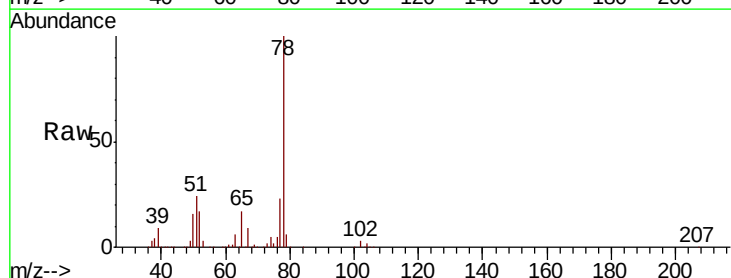
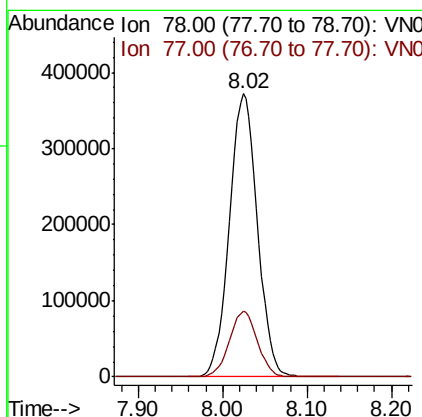
Manual Integrations
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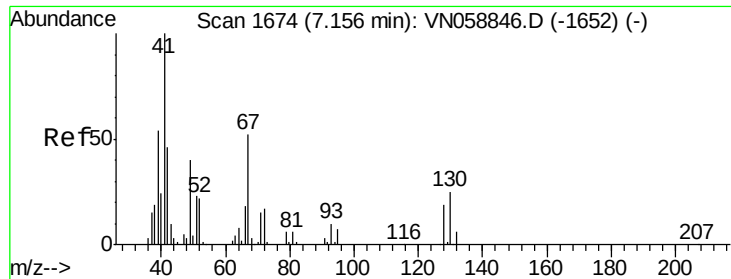
MMDadoda
10/25/2019 2:36:28 PM



#40
Benzene
Concen: 51.758 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.2	27.2





#41

Methacrylonitrile

Concen: 51.408 ug/l m

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 140839

Ion Ratio Lower Upper

41 100

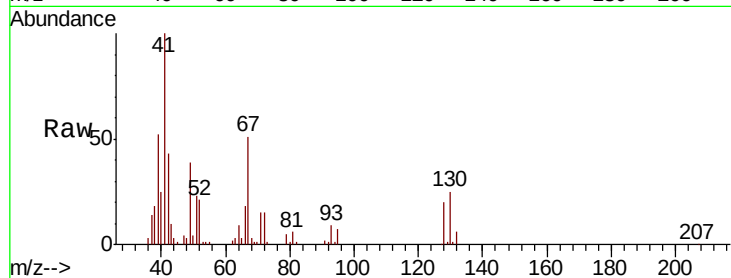
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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10/25/2019 2:36:28 PM

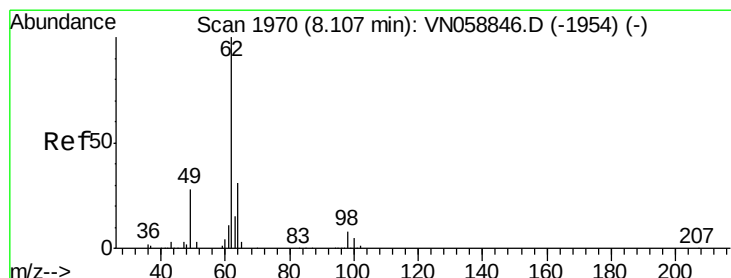
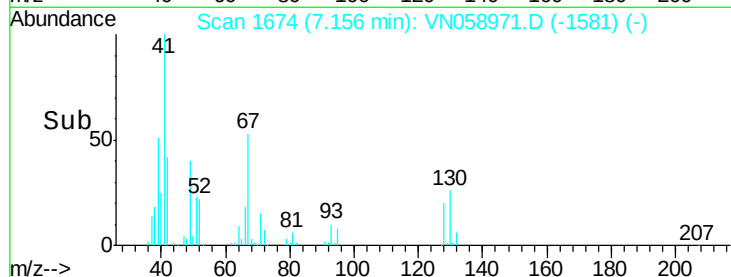
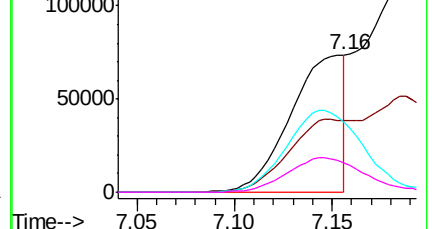


Abundance Ion 41.00 (40.70 to 41.70): VN058846.D (-1652) (-)

Ion 39.00 (38.70 to 39.70): VN058846.D (-1652) (-)

Ion 67.00 (66.70 to 67.70): VN058846.D (-1652) (-)

Ion 52.00 (51.70 to 52.70): VN058846.D (-1652) (-)



#42

1,2-Dichloroethane

Concen: 49.988 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VN058971.D

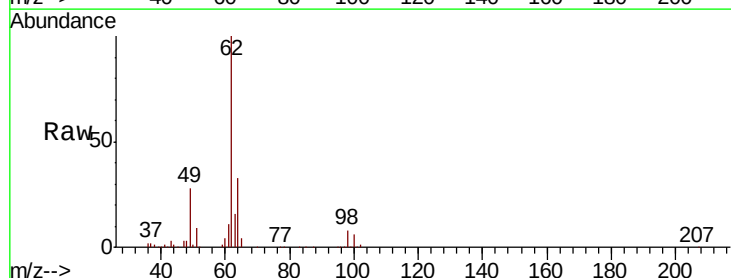
Acq: 24 Oct 2019 18:52

Tgt Ion: 62 Resp: 319211

Ion Ratio Lower Upper

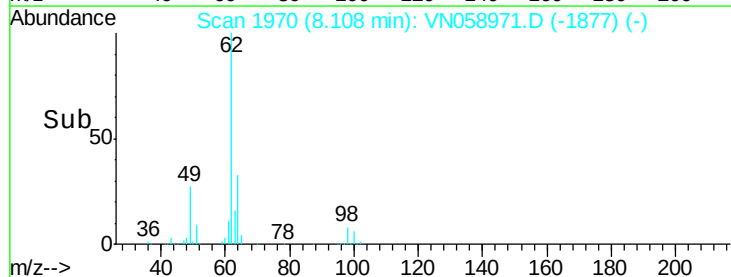
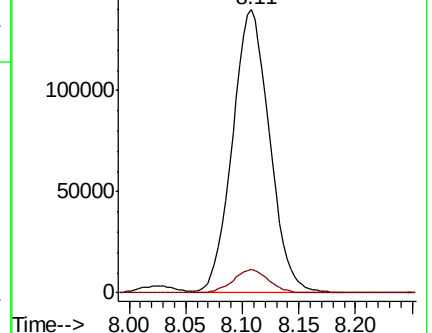
62 100

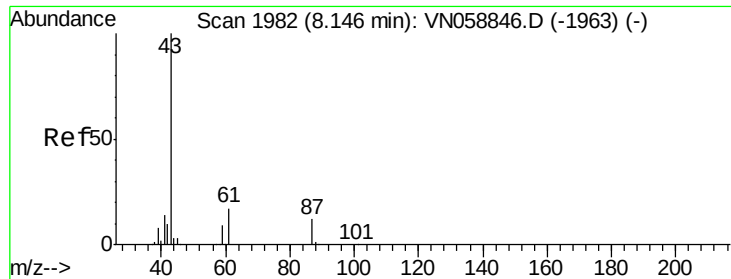
98 8.0 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VN058846.D (-1954) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-1954) (-)





#43

Isopropyl Acetate

Concen: 53.839 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

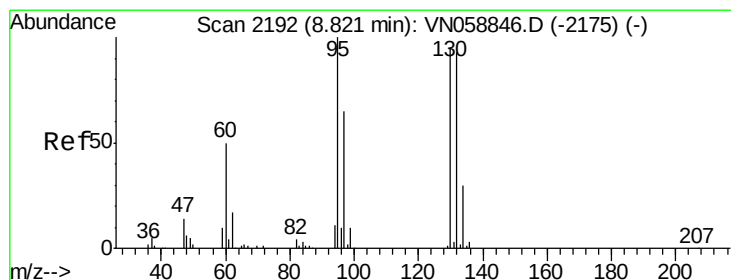
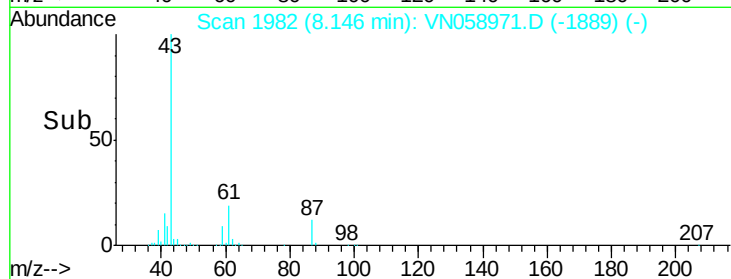
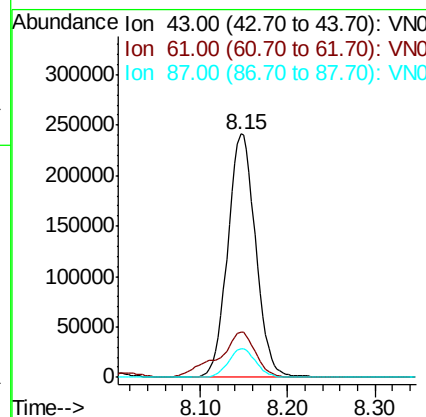
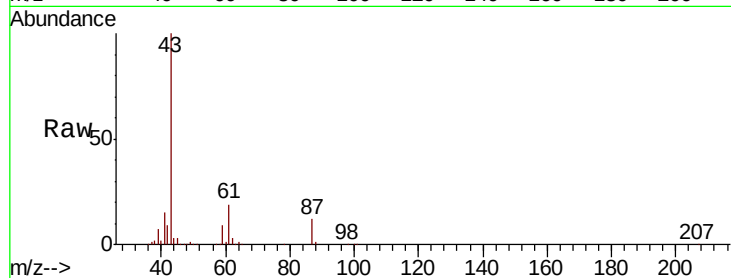
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	531127
Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.2	30.2
87	11.7	9.5	14.3

Manual Integrations
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10/25/2019 2:36:28 PM



#44

Trichloroethene

Concen: 50.185 ug/l

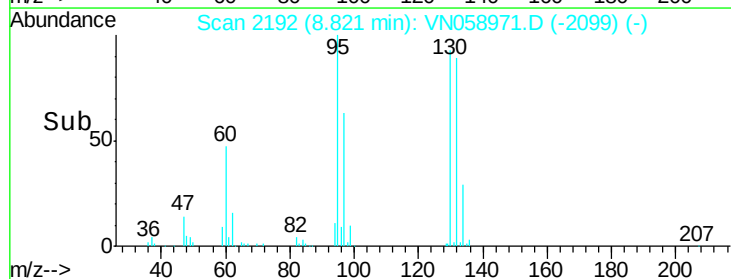
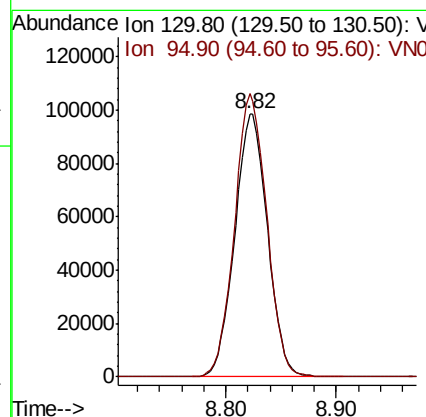
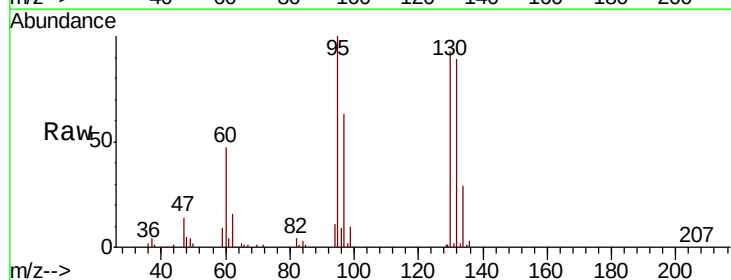
RT: 8.82 min Scan# 2192

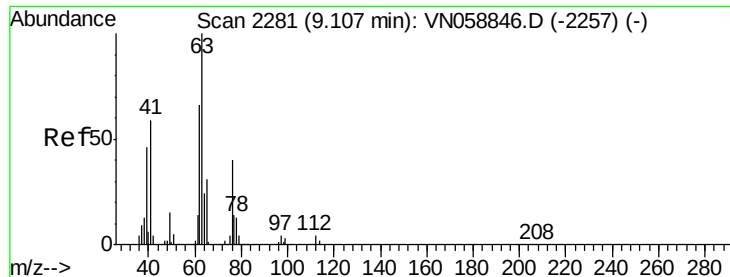
Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Tgt Ion:	130	Resp:	202657
Ion	Ratio	Lower	Upper
130	100		
95	107.5	0.0	209.6





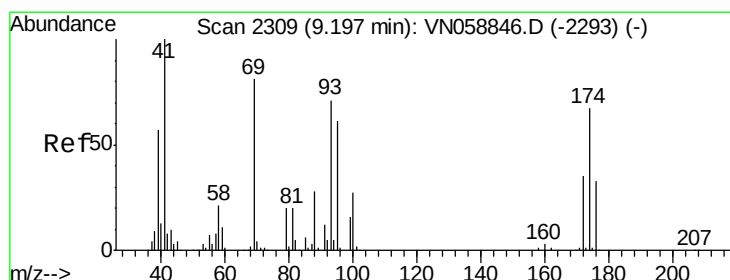
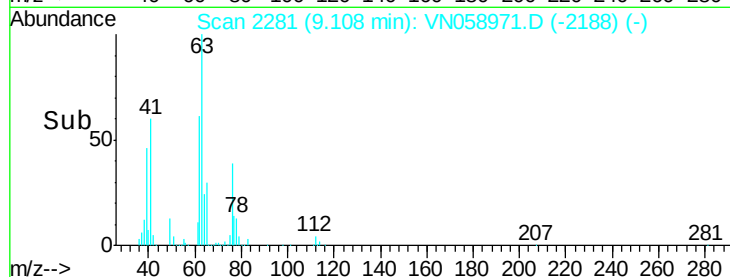
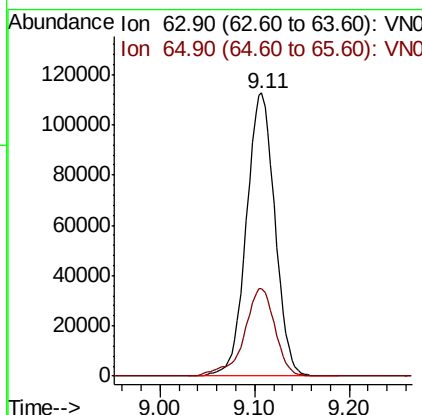
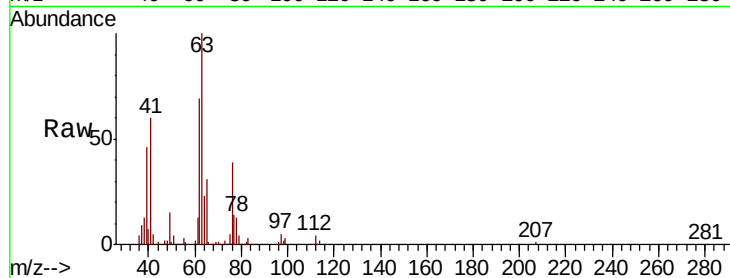
#45
 1,2-Dichloropropane
 Concen: 51.829 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.5	36.7

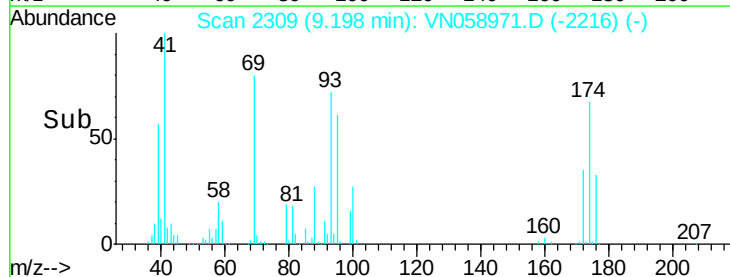
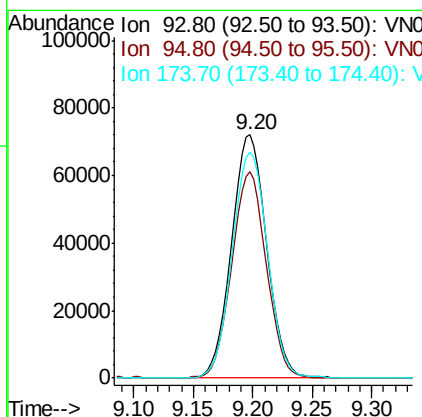
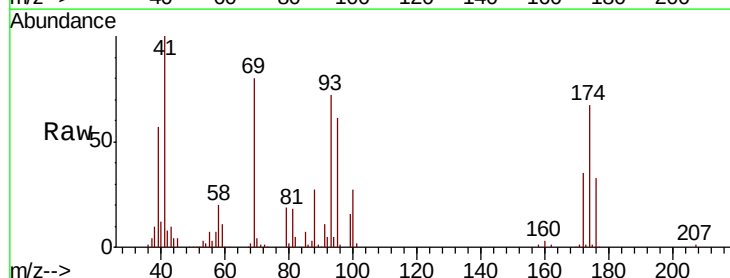
Manual Integrations
 APPROVED

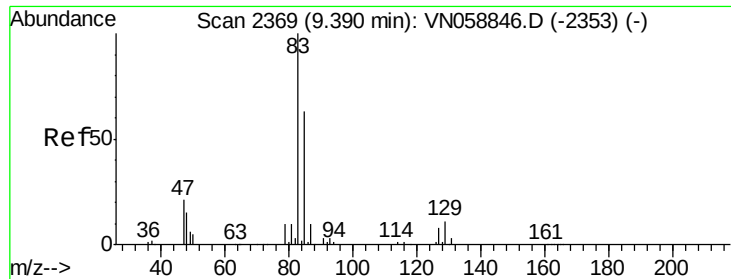
MMDadoda
 10/25/2019 2:36:28 PM



#46
 Dibromomethane
 Concen: 51.441 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	67.6	101.4
174	93.2	74.1	111.1





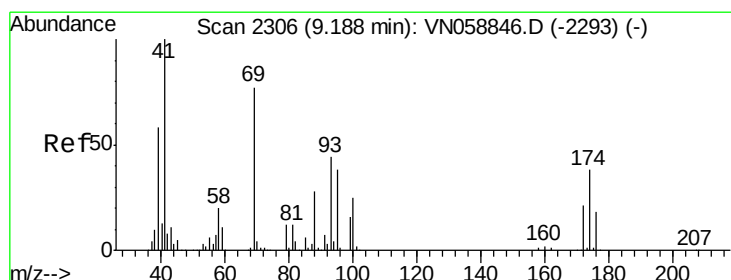
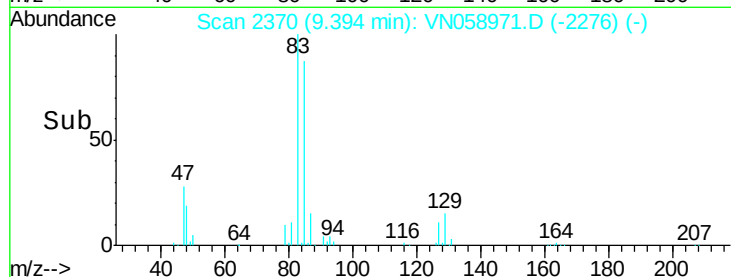
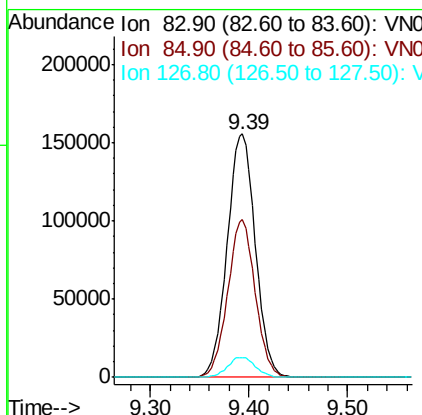
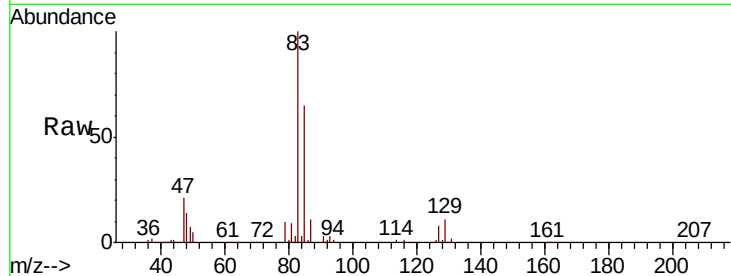
#47
Bromodichloromethane
Concen: 52.324 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	309910		
85	64.7		50.6	75.8
127	8.3		6.5	9.7

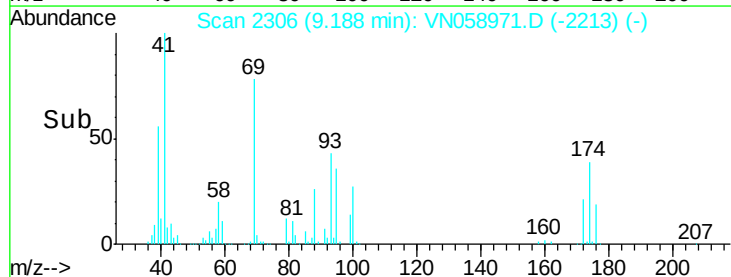
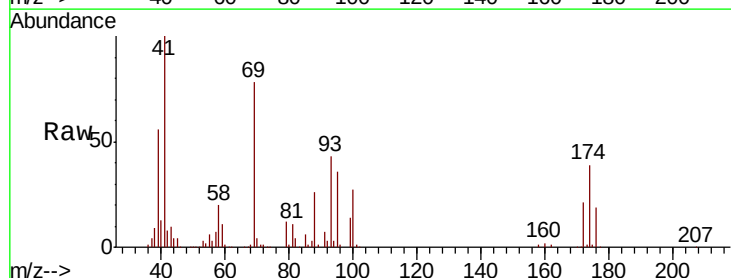
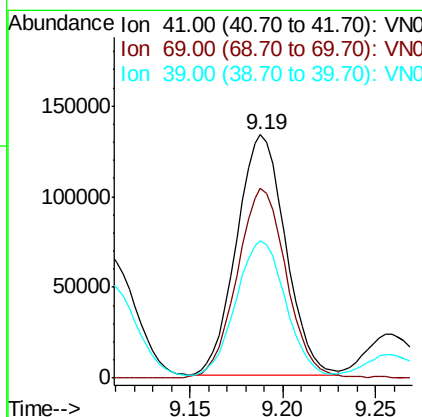
Manual Integrations
APPROVED

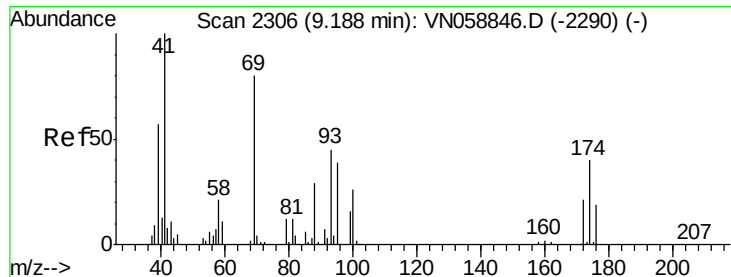
MMDadoda
10/25/2019 2:36:28 PM



#48
Methyl methacrylate
Concen: 54.557 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	244190		
69	79.6		63.8	95.6
39	58.2		47.8	71.8





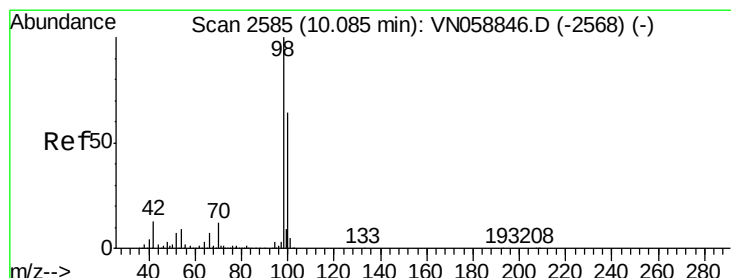
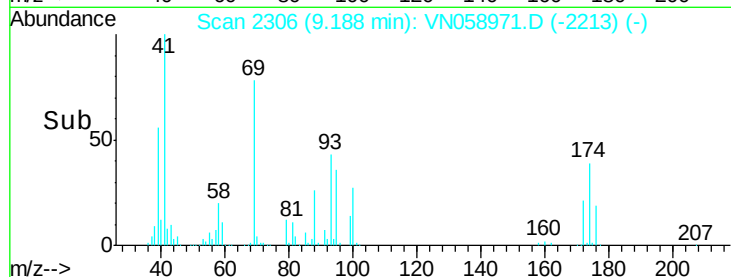
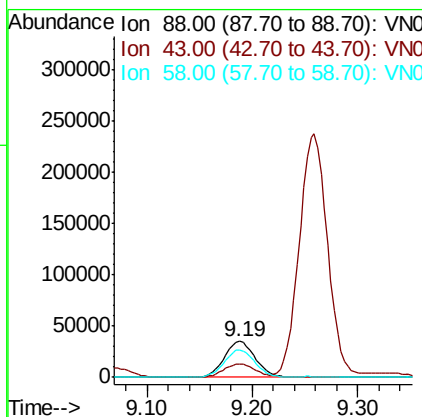
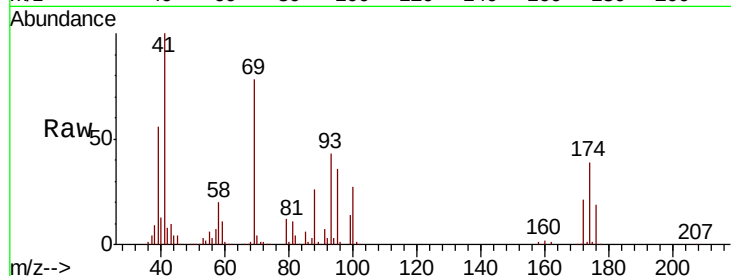
#49
1,4-Dioxane
Concen: 971.771 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	29.1	43.7
58	75.5	59.4	89.0

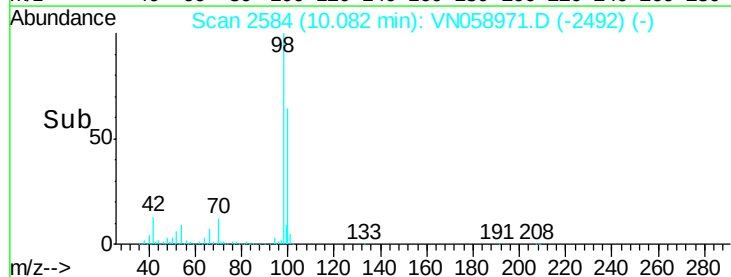
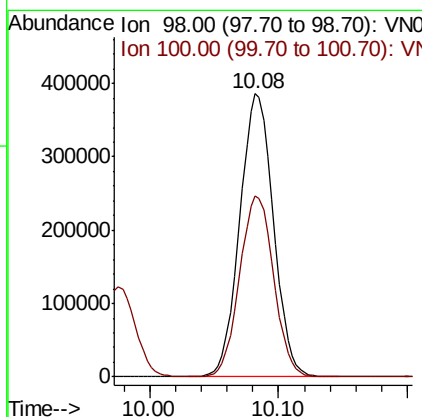
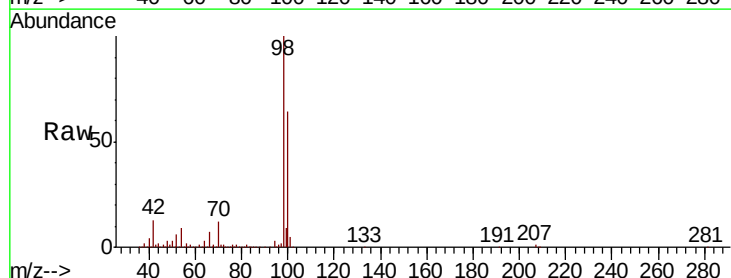
Manual Integrations
APPROVED

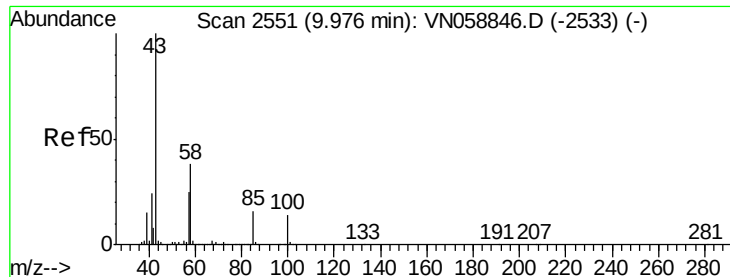
MMDadoda
10/25/2019 2:36:28 PM



#50
Toluene-d8
Concen: 49.848 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.4	77.2





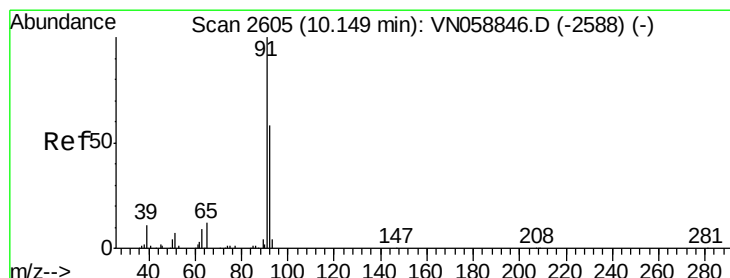
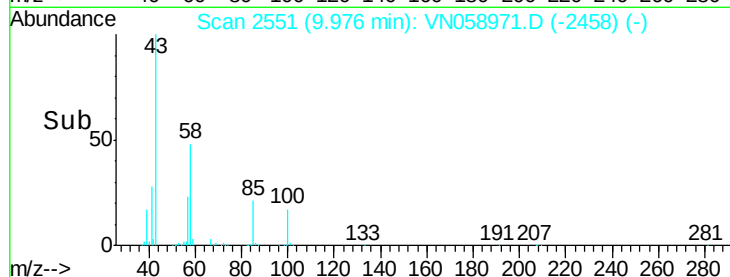
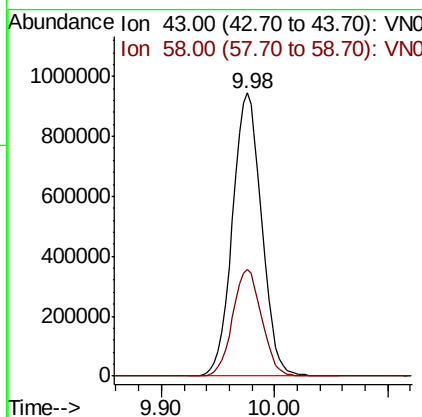
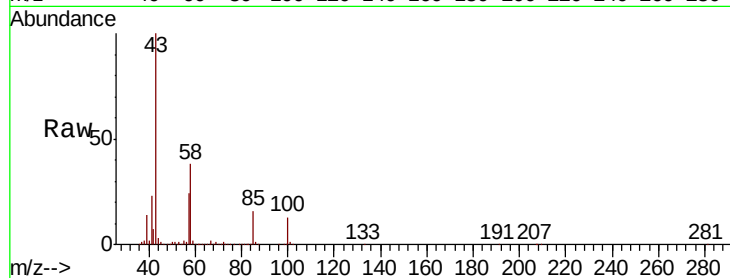
#51
4-Methyl-2-Pentanone
Concen: 292.848 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1687440
Ion Ratio Lower Upper
43 100
58 37.7 29.9 44.9

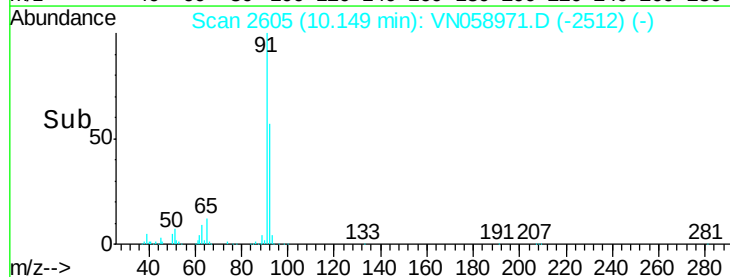
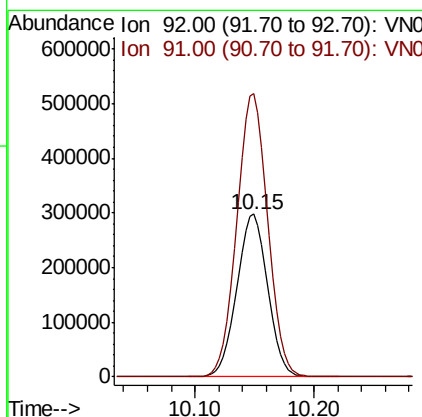
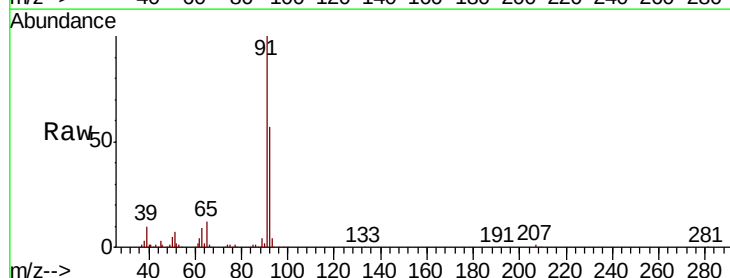
Manual Integrations
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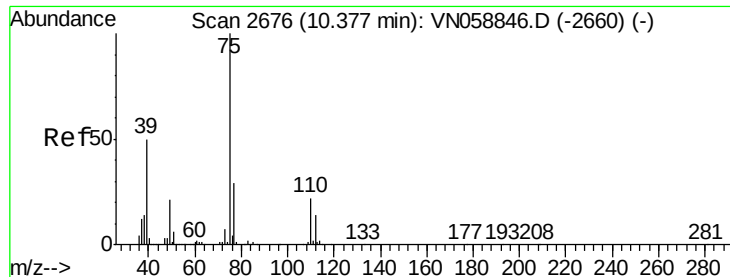
MMDadoda
10/25/2019 2:36:28 PM



#52
Toluene
Concen: 54.351 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion: 92 Resp: 534304
Ion Ratio Lower Upper
92 100
91 174.3 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 53.702 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 352112

Ion Ratio Lower Upper

75 100

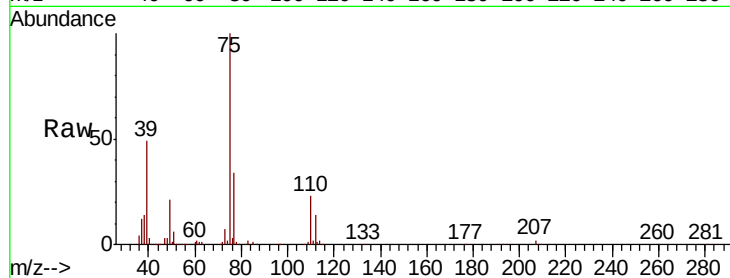
77 33.2 25.7 38.5

Manual Integrations

APPROVED

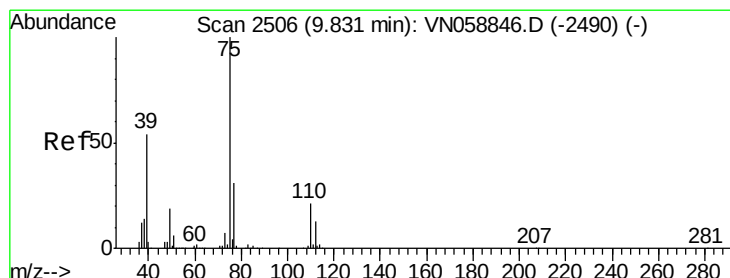
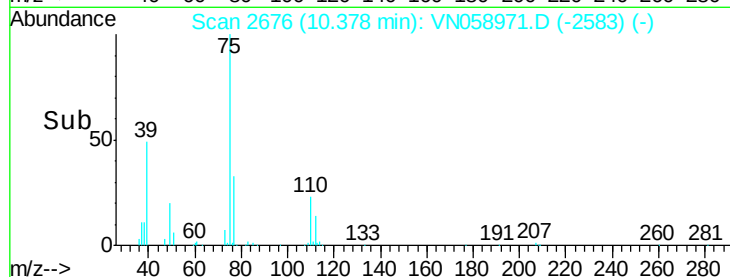
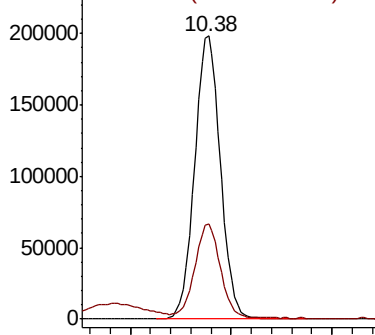
MMDadoda

10/25/2019 2:36:28 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 52.655 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

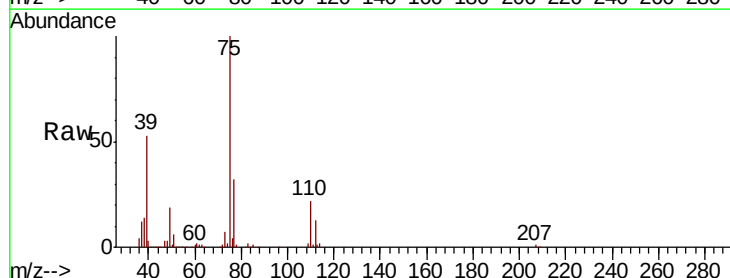
Tgt Ion: 75 Resp: 368850

Ion Ratio Lower Upper

75 100

77 31.6 24.7 37.1

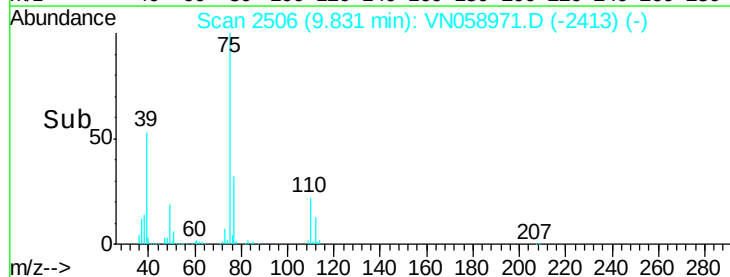
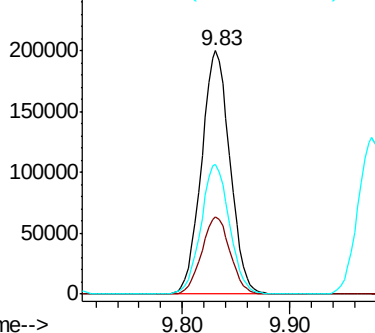
39 53.1 43.5 65.3

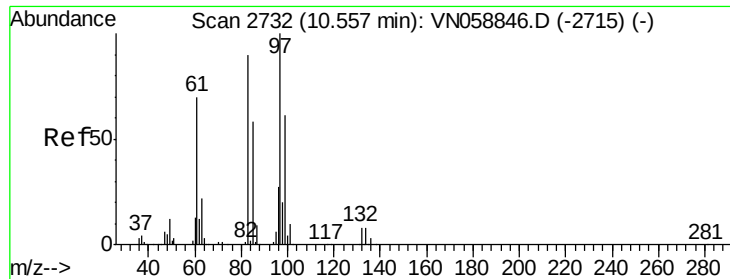


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





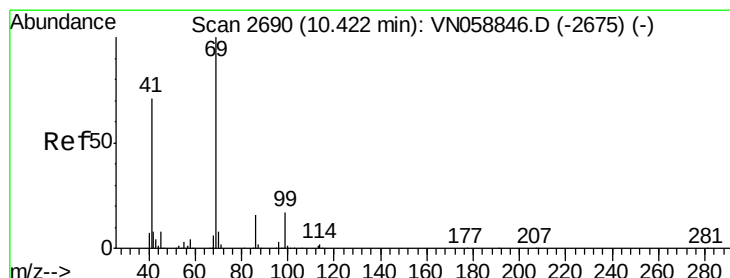
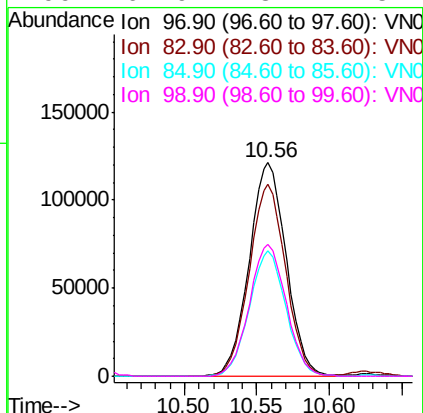
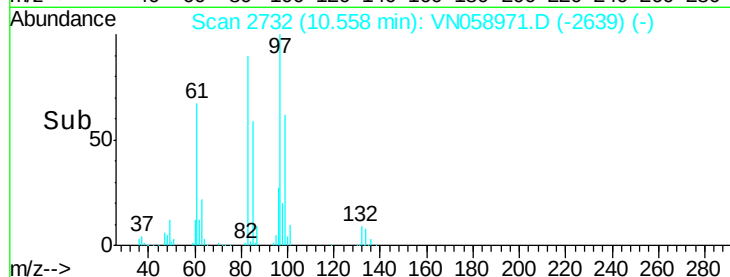
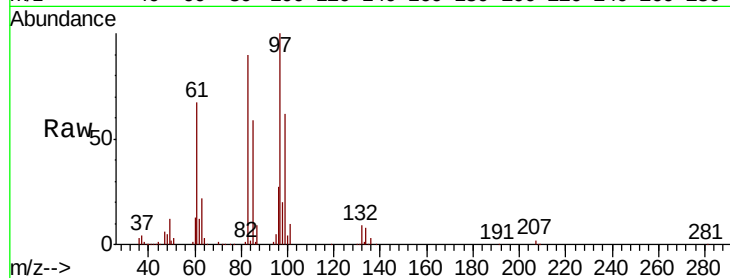
#55
 1,1,2-Trichloroethane
 Concen: 53.313 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	215902
Ion	Ratio	Lower	Upper
97	100		
83	90.0	72.2	108.4
85	58.6	46.2	69.2
99	61.9	48.7	73.1

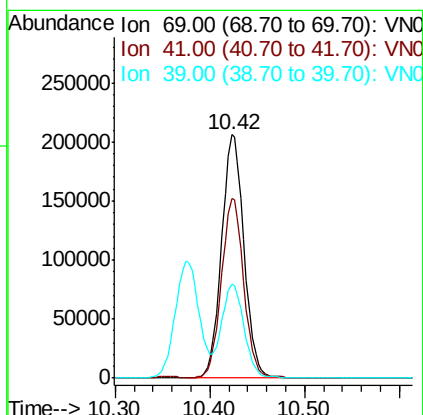
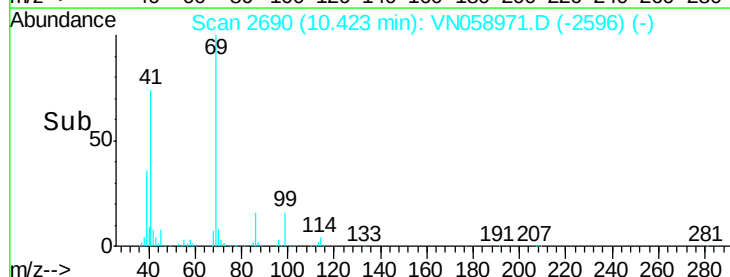
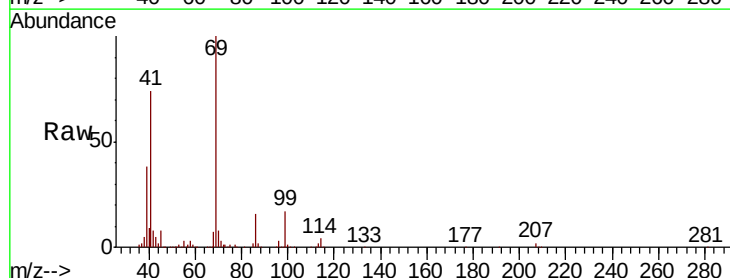
Manual Integrations
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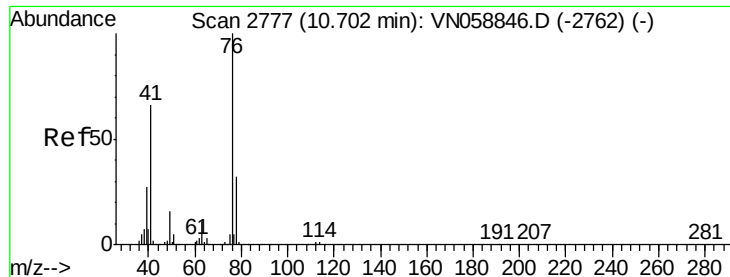
MMDadoda
 10/25/2019 2:36:28 PM



#56
 Ethyl methacrylate
 Concen: 49.842 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Tgt Ion:	69	Resp:	339012
Ion	Ratio	Lower	Upper
69	100		
41	72.5	57.2	85.8
39	38.7	31.0	46.4





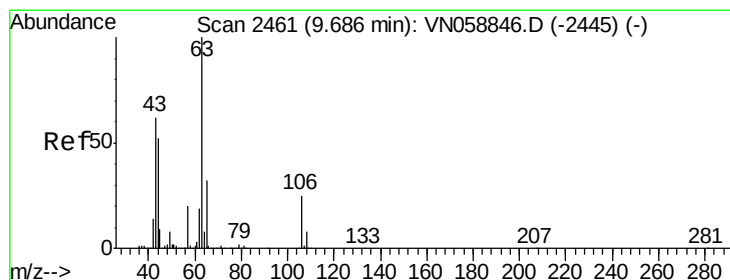
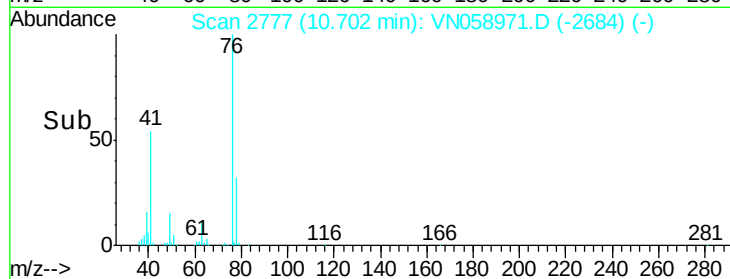
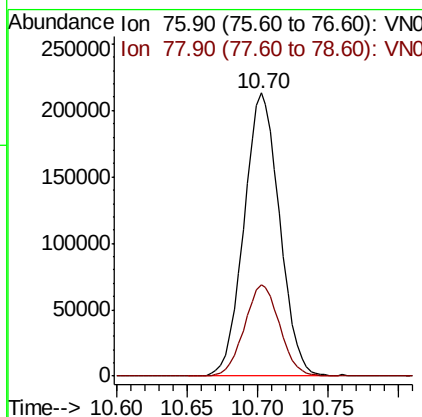
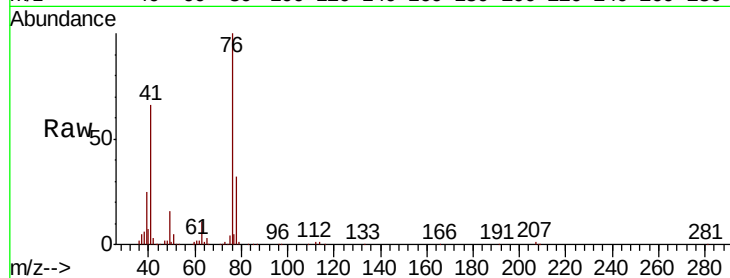
#57
 1,3-Dichloropropane
 Concen: 53.011 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.4	38.0

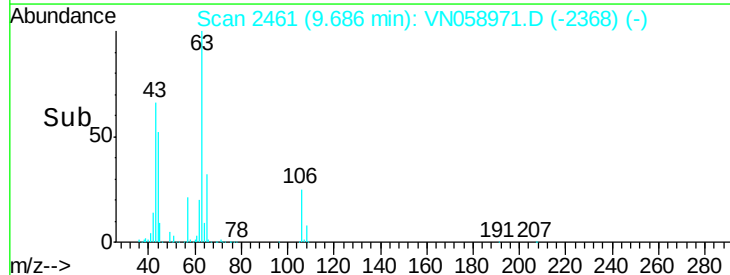
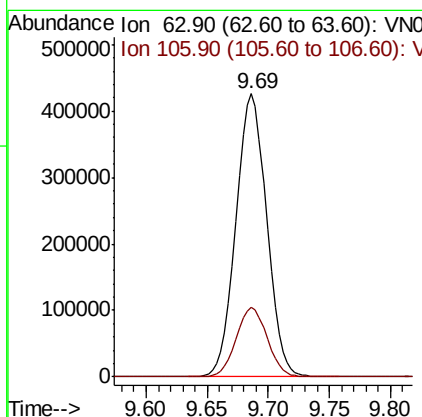
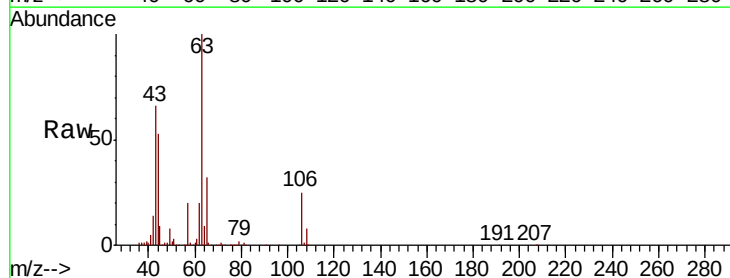
Manual Integrations
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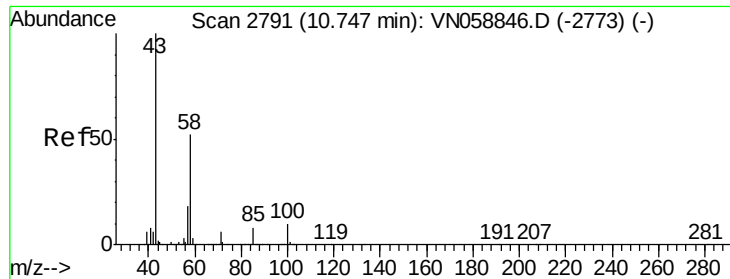
MMDadoda
 10/25/2019 2:36:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.608 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.7	19.8	29.8





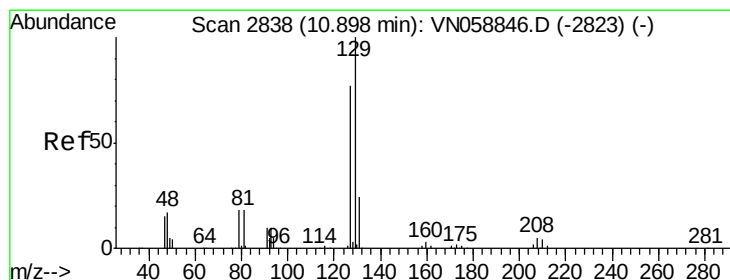
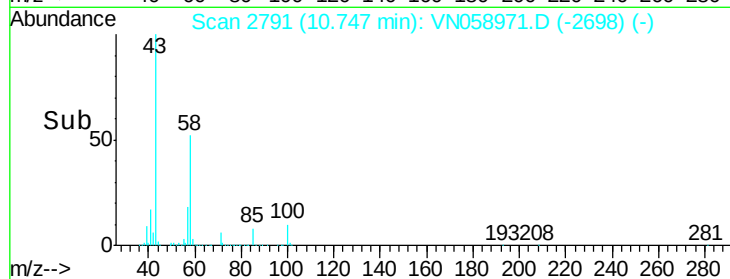
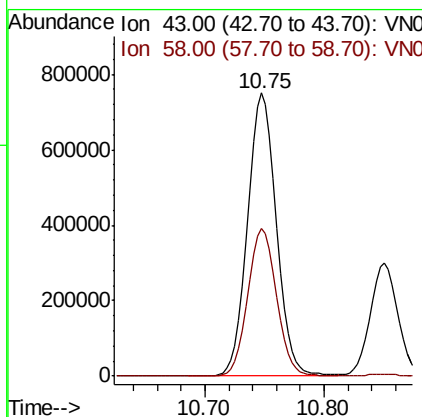
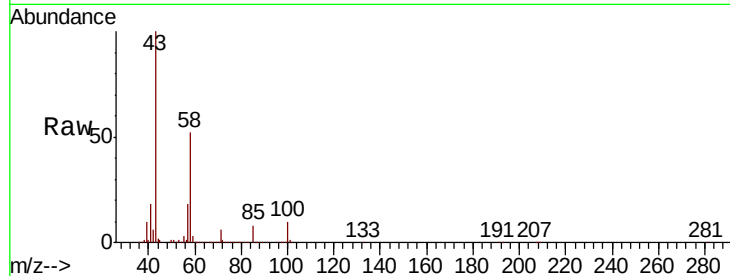
#59
2-Hexanone
Concen: 282.317 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1257048
Ion Ratio Lower Upper
43 100
58 52.2 25.9 77.7

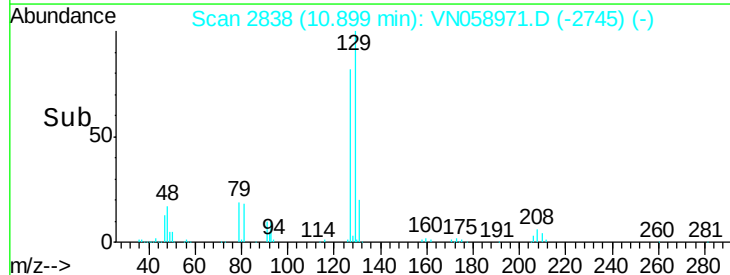
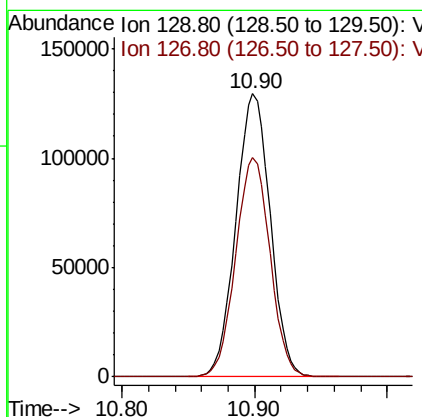
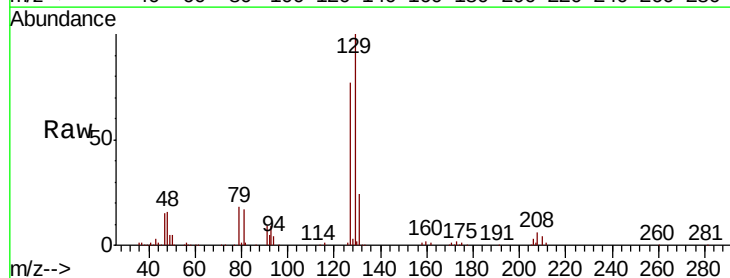
Manual Integrations
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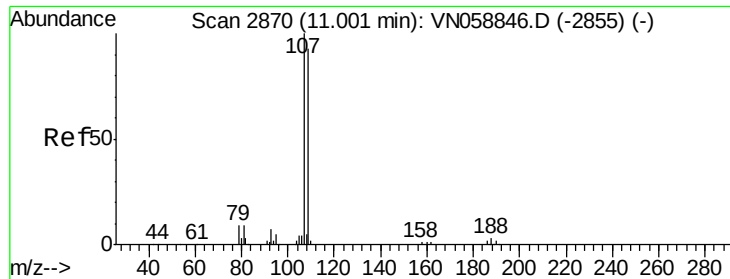
MMDadoda
10/25/2019 2:36:28 PM



#60
Dibromochloromethane
Concen: 53.542 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion: 129 Resp: 233385
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 53.421 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 221399

Ion Ratio Lower Upper

107 100

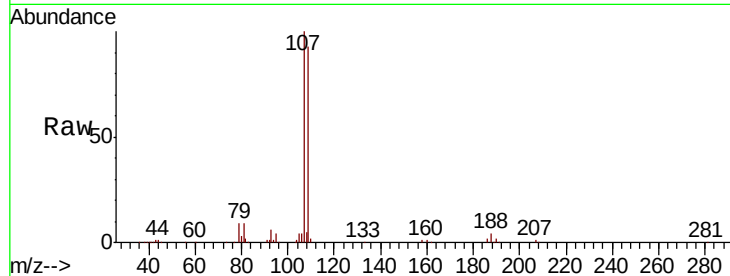
109 94.3 75.2 112.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

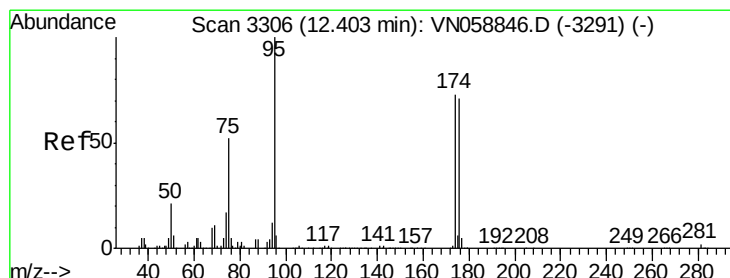
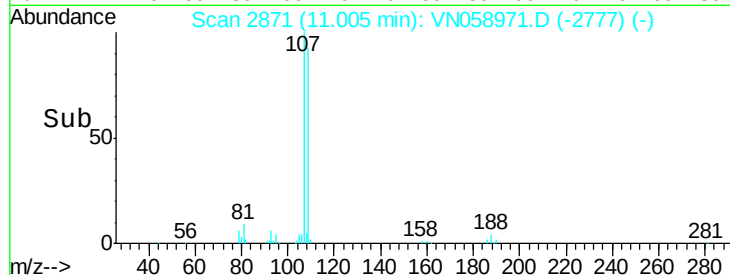
11.00

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.134 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

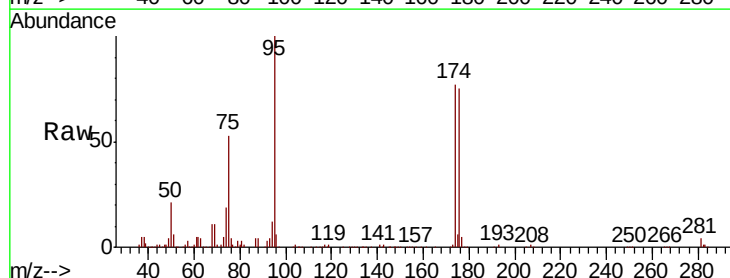
Tgt Ion: 95 Resp: 259092

Ion Ratio Lower Upper

95 100

174 77.1 0.0 147.6

176 74.6 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

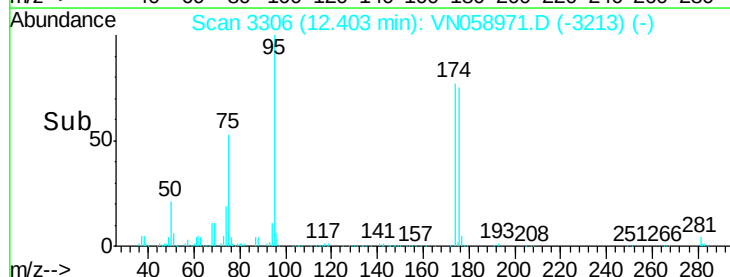
150000

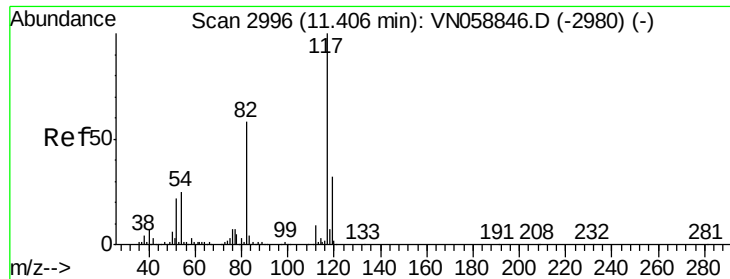
100000

50000

0

Time-->





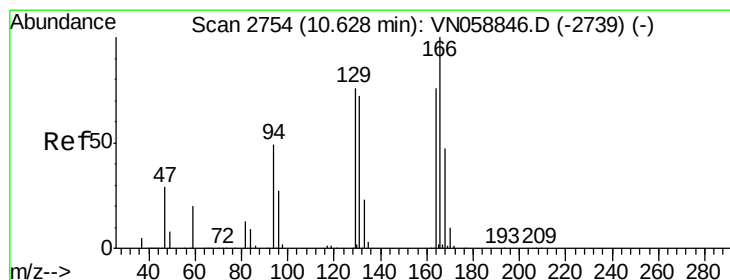
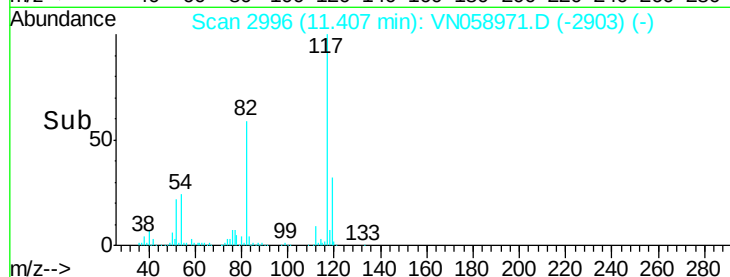
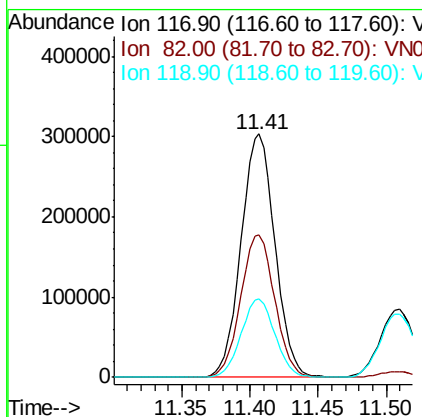
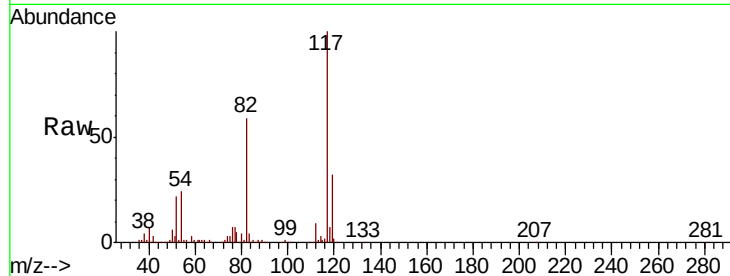
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	523717		
82	58.6		46.6	69.8
119	32.2		25.6	38.4

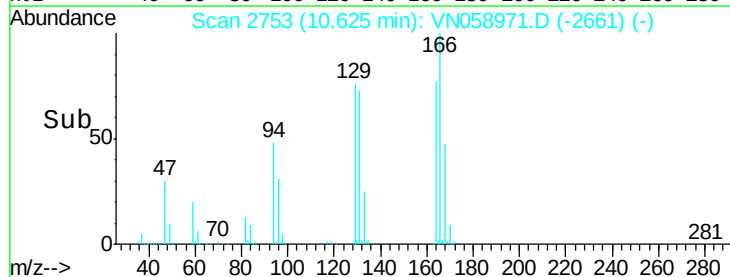
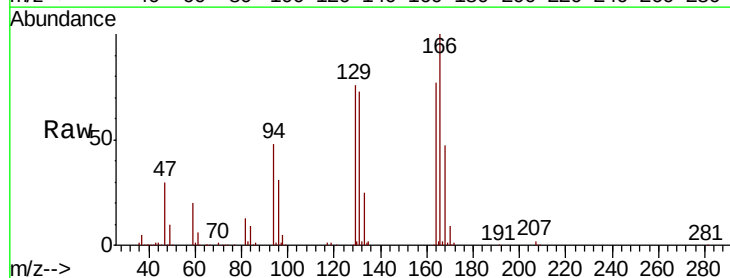
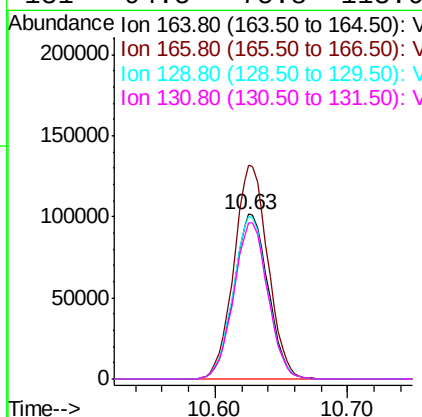
Manual Integrations
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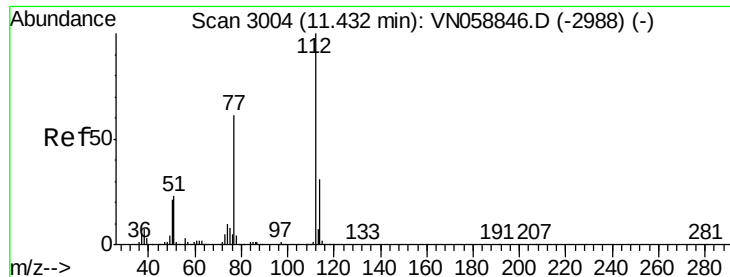
MMDadoda
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#64
Tetrachloroethene
Concen: 49.762 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	182514		
166	129.7		104.8	157.2
129	99.0		79.3	118.9
131	94.5		75.8	113.6





#65

Chlorobenzene

Concen: 52.337 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 558028

Ion Ratio Lower Upper

112 100

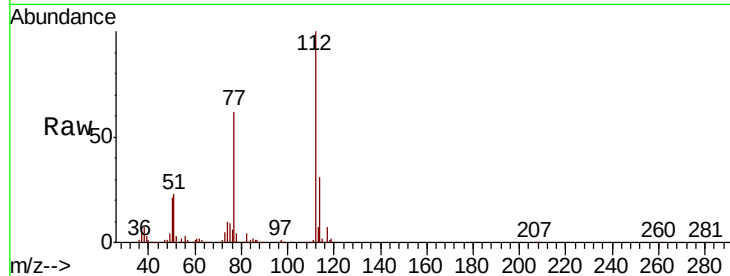
114 31.5 25.1 37.7

Manual Integrations

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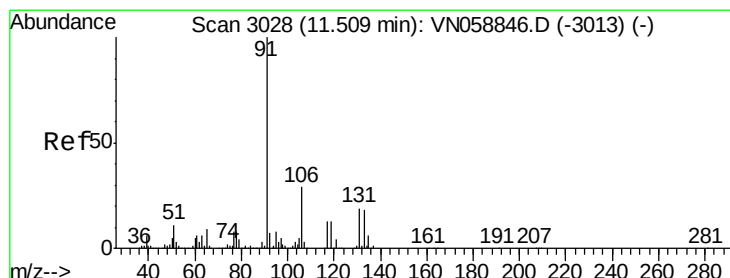
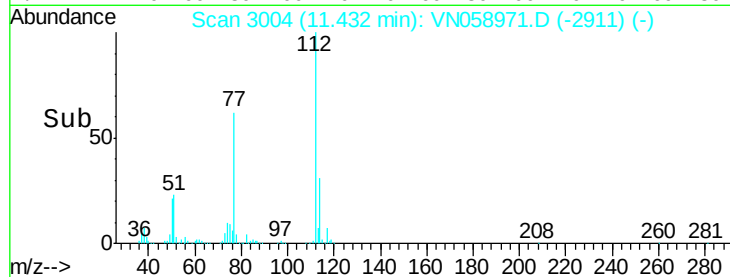
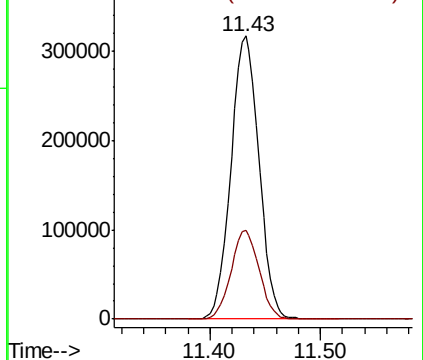
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.309 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

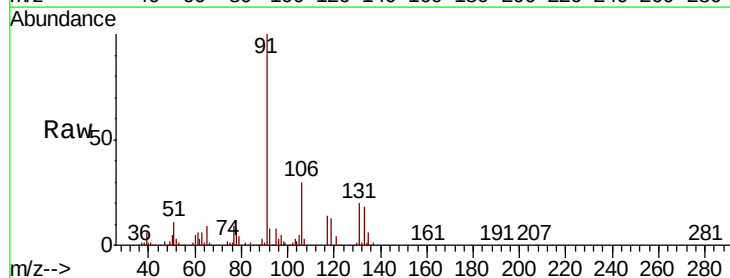
Tgt Ion:131 Resp: 214486

Ion Ratio Lower Upper

131 100

133 94.7 48.4 145.2

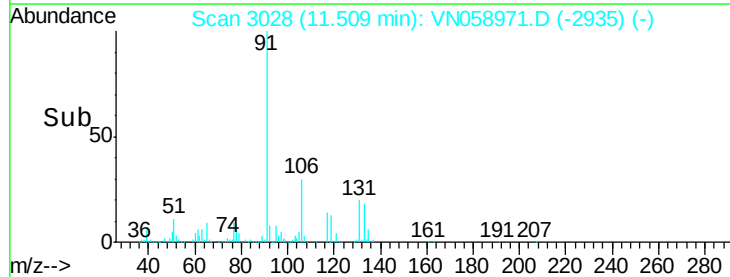
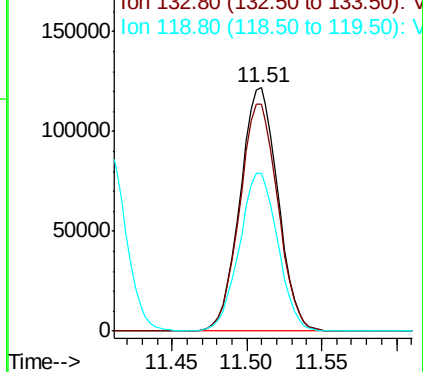
119 65.9 33.6 100.8

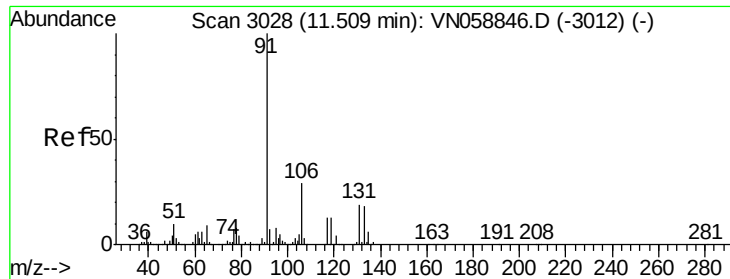


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 55.282 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1033983

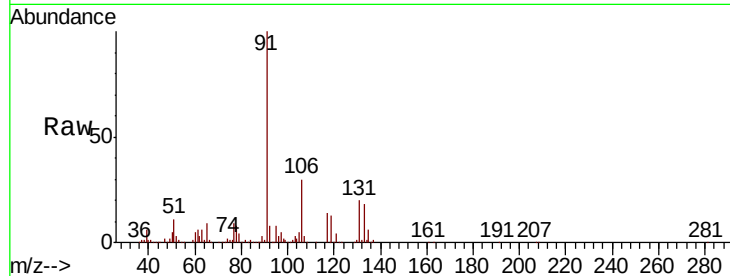
Ion Ratio Lower Upper

91 100

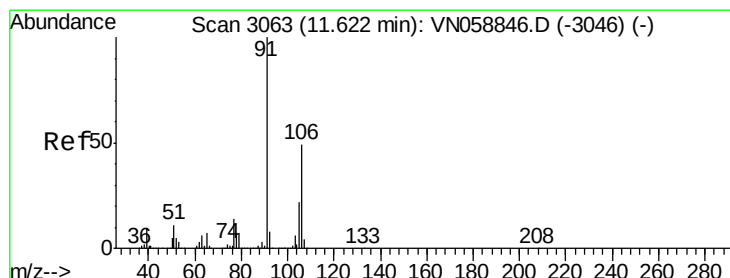
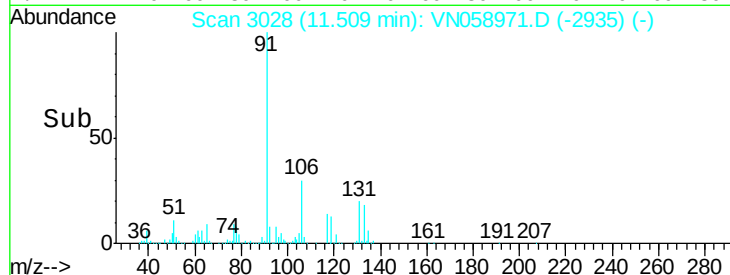
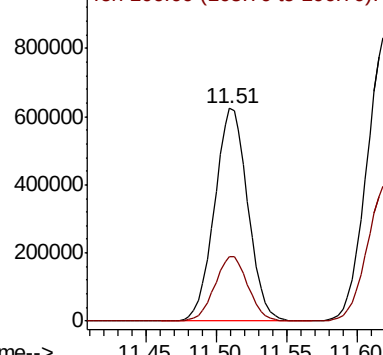
106 30.3 23.4 35.0

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN058971.D (-2935) (-)



#68

m/p-Xylenes

Concen: 109.551 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058971.D

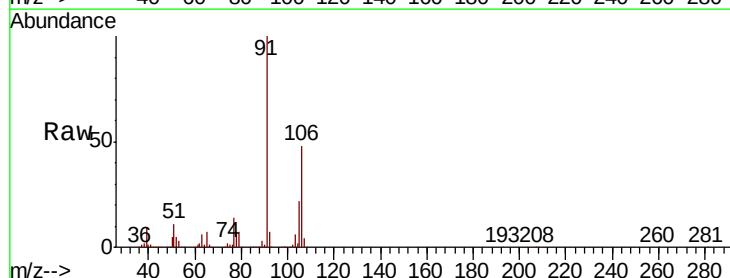
Acq: 24 Oct 2019 18:52

Tgt Ion: 106 Resp: 759877

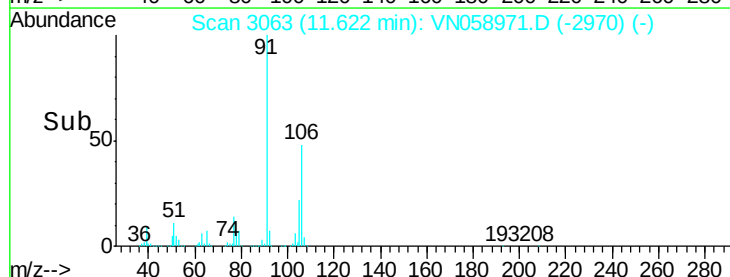
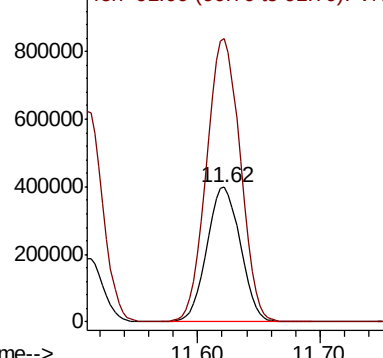
Ion Ratio Lower Upper

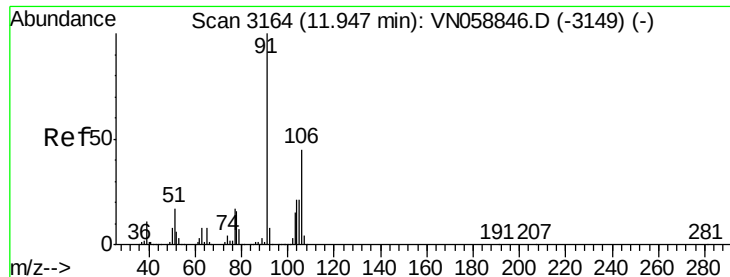
106 100

91 211.7 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): VN058971.D (-2970) (-)





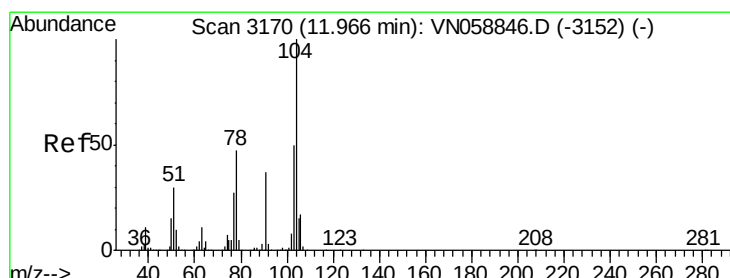
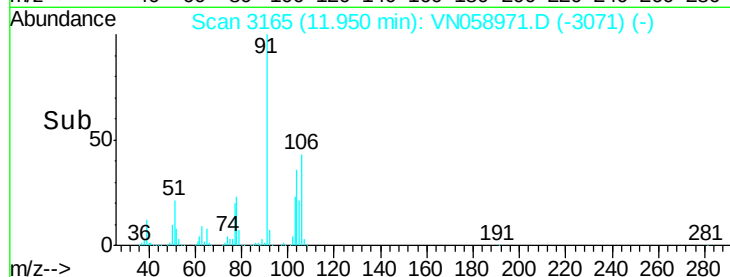
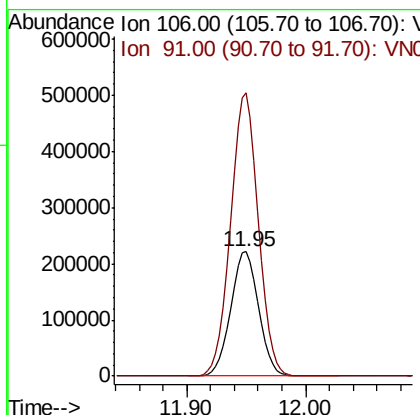
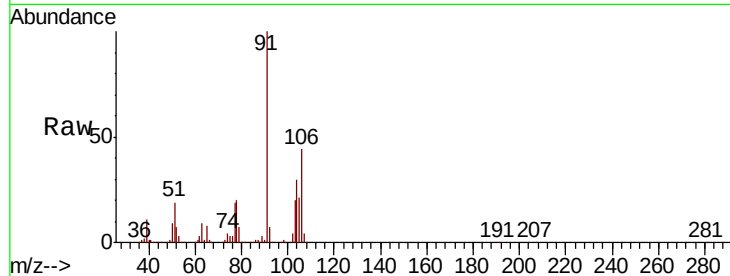
#69
o-Xylene
Concen: 54.335 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	359446		
91	91	225.8	111.5	334.4	

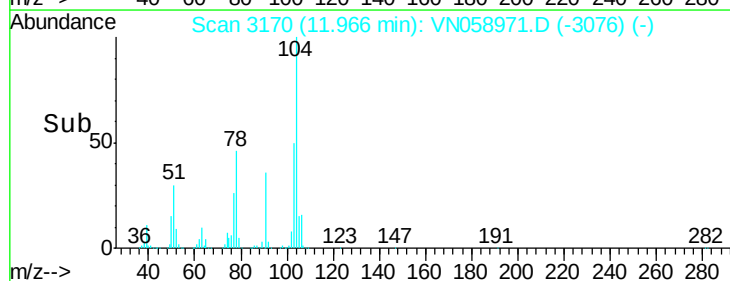
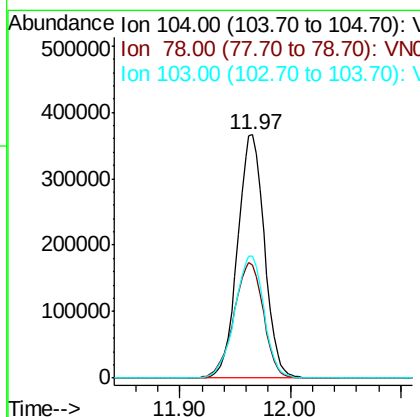
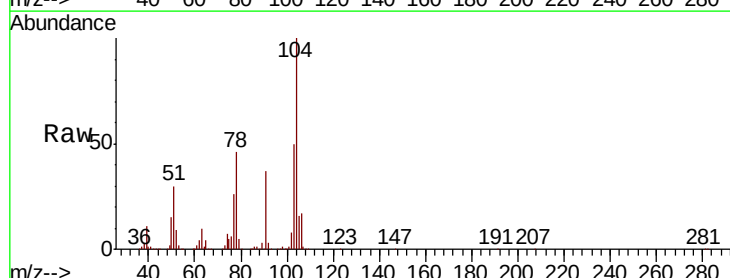
Manual Integrations
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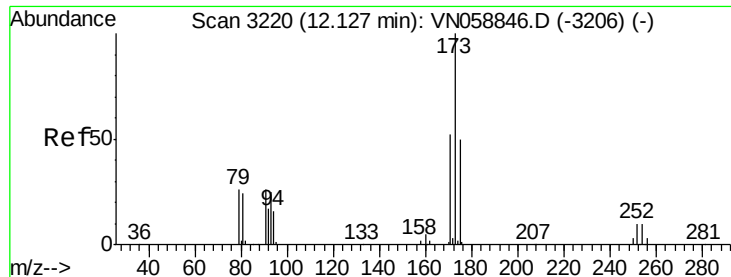
MMDadoda
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#70
Styrene
Concen: 50.530 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	617250		
78	78	52.6	42.8	64.2	
103	103	54.9	44.3	66.5	





#71

Bromoform

Concen: 54.038 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

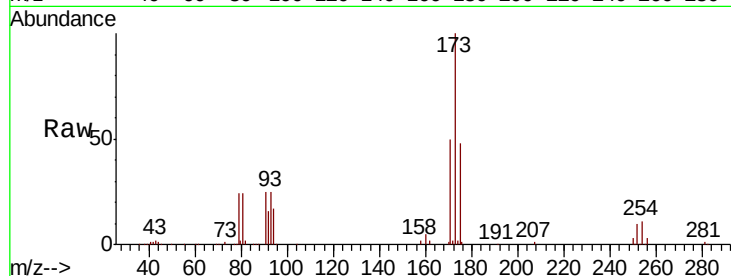
ClientSampleId :

VSTDCCC050EC

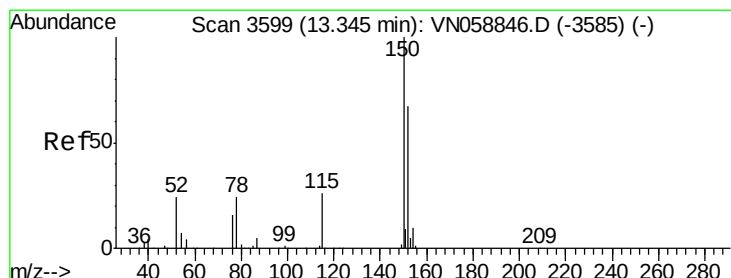
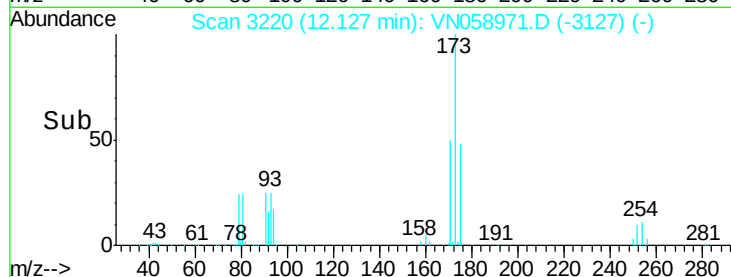
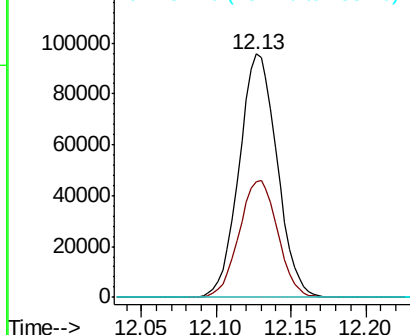
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.7	74.1
254	0.1	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

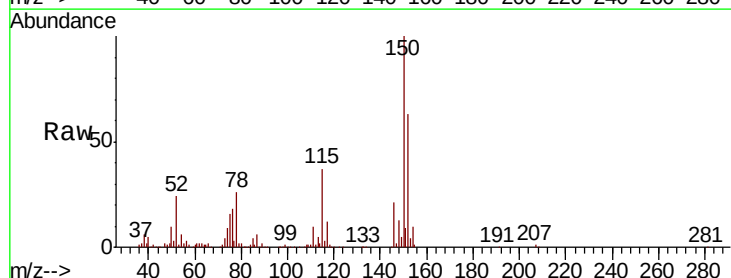
RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

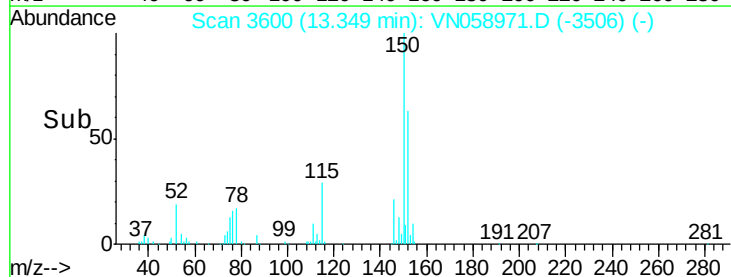
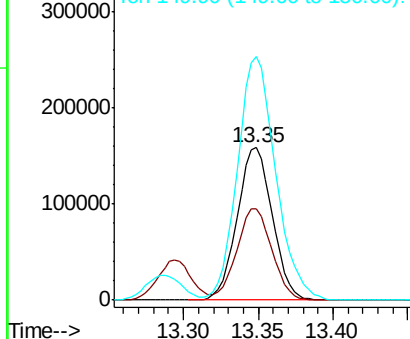
Lab File: VN058971.D

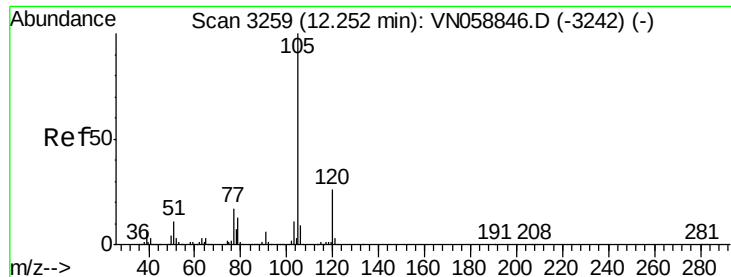
Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.5	91.5
150	173.8	0.0	344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





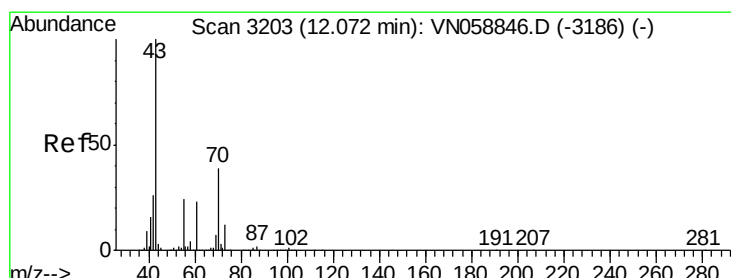
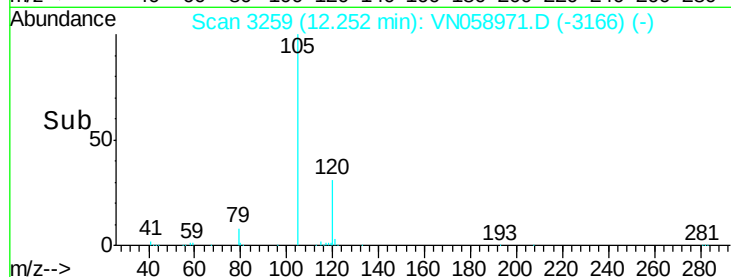
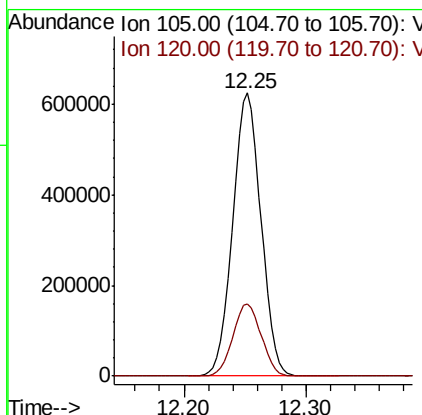
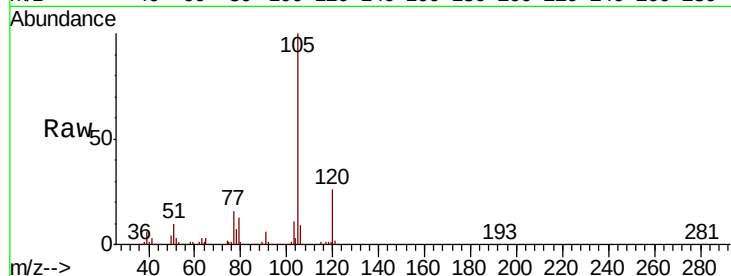
#73
Isopropylbenzene
Concen: 52.716 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1001616
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.4

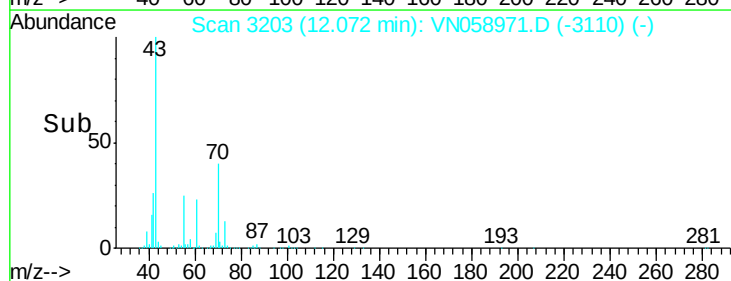
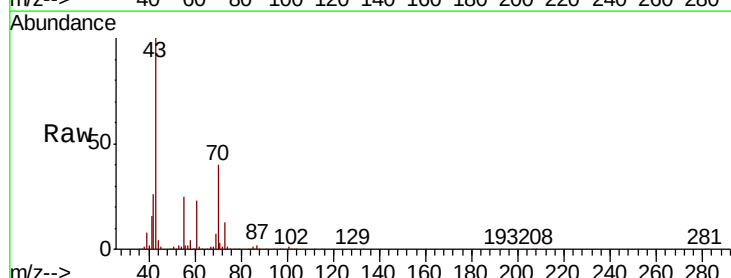
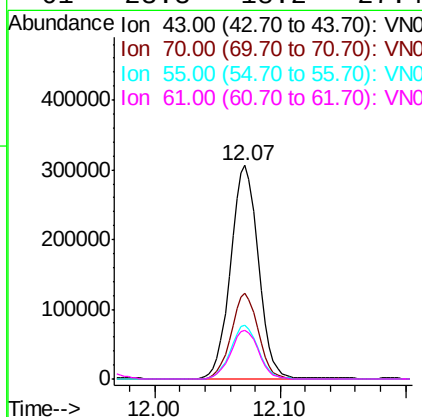
Manual Integrations
APPROVED

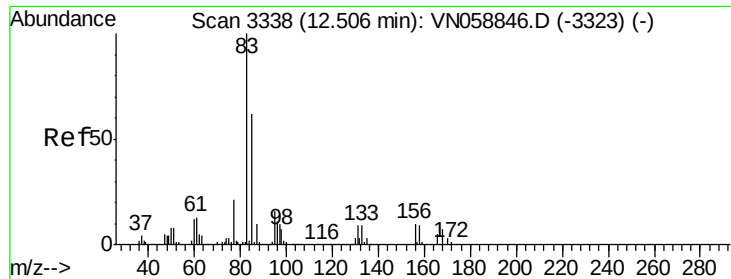
MMDadoda
10/25/2019 2:36:28 PM



#74
N-ethyl acetate
Concen: 54.482 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion: 43 Resp: 469307
Ion Ratio Lower Upper
43 100
70 39.4 30.9 46.3
55 25.4 19.7 29.5
61 23.3 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.637 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

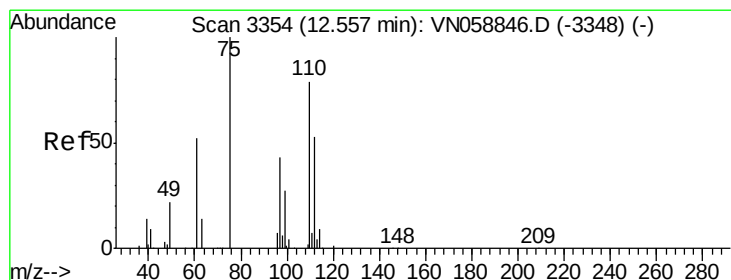
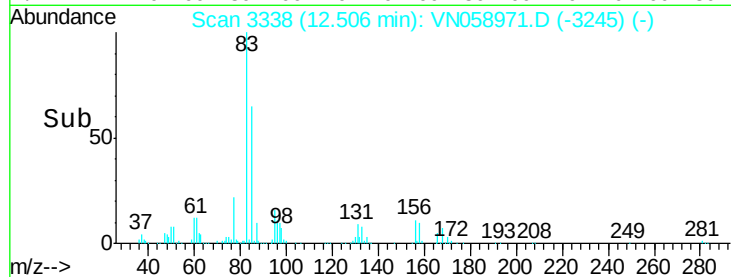
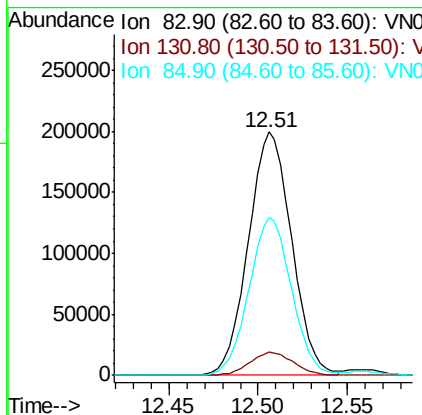
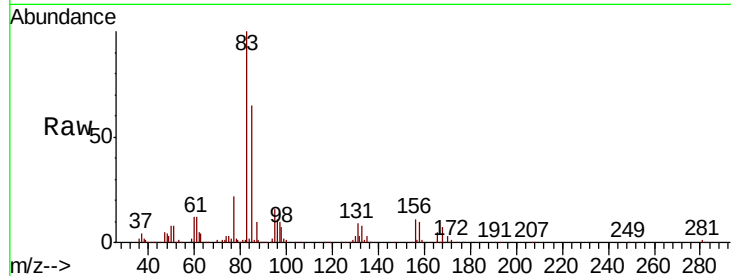
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	338300
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.7	14.1
85	63.8	31.7	95.1

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#76

1,2,3-Trichloropropane

Concen: 48.214 ug/l m

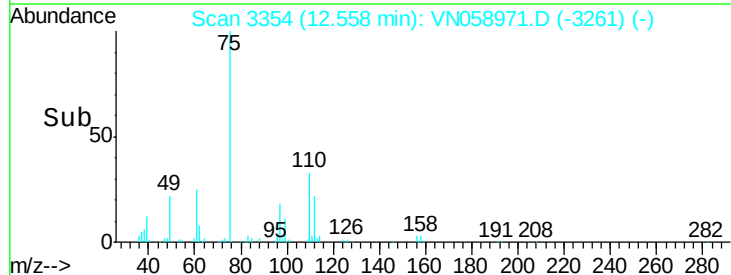
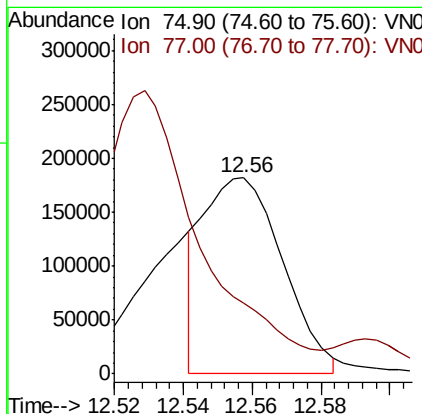
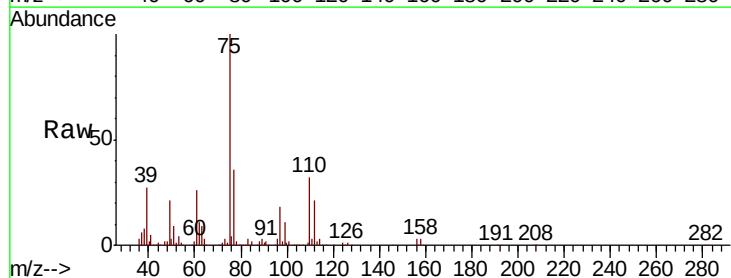
RT: 12.56 min Scan# 3354

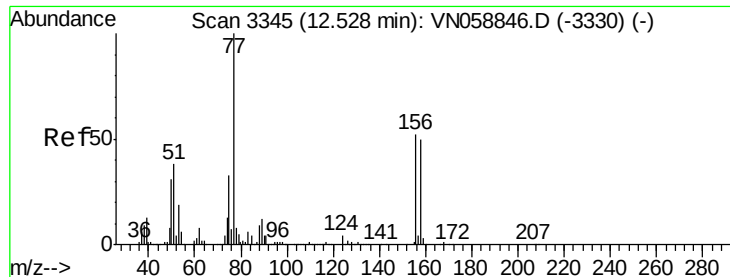
Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Tgt Ion:	75	Resp:	290512
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.615 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

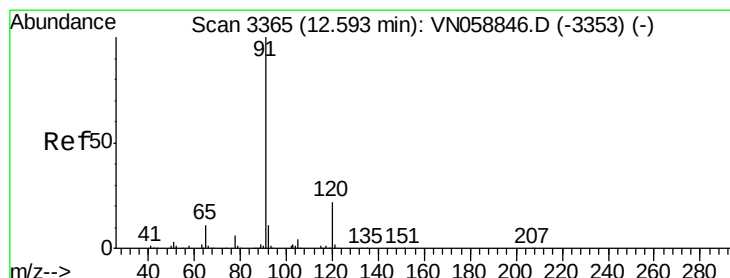
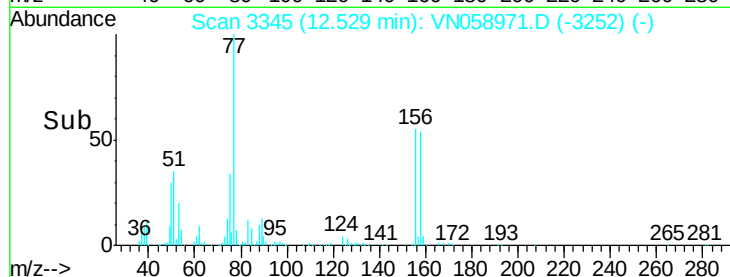
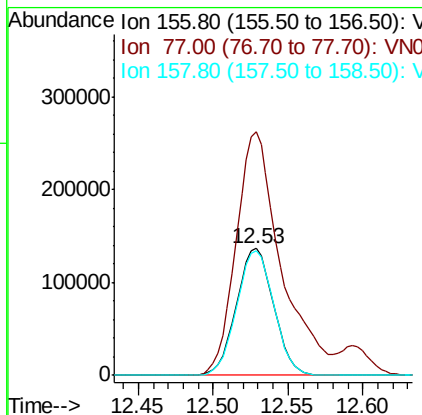
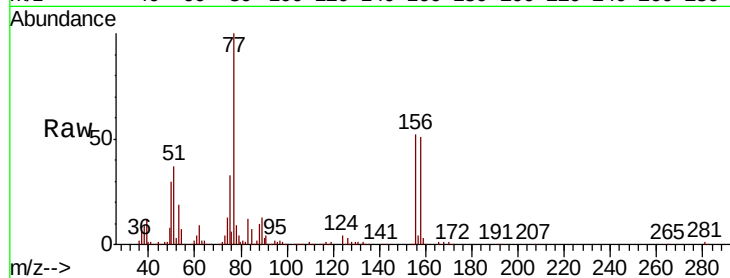
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	232.3	118.0	354.0
158	98.2	48.3	144.8

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#78

n-propylbenzene

Concen: 53.057 ug/l

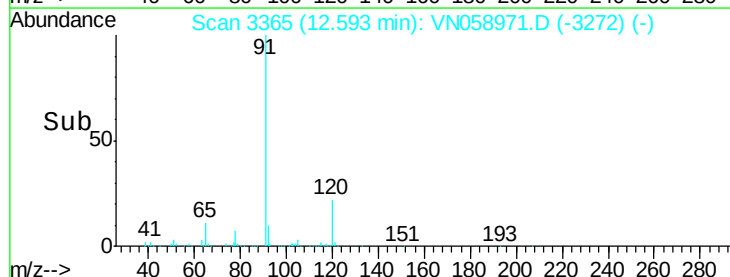
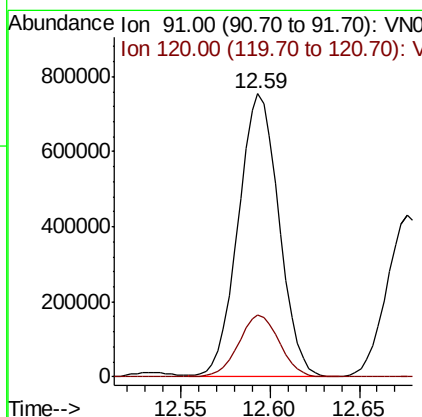
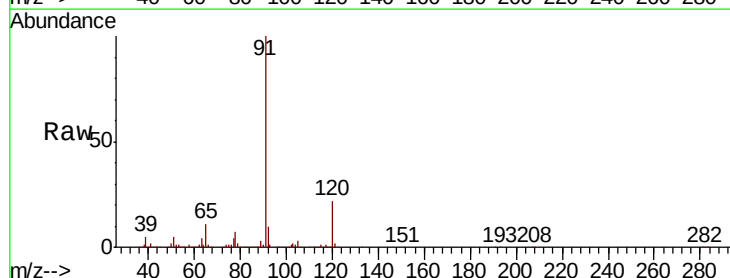
RT: 12.59 min Scan# 3365

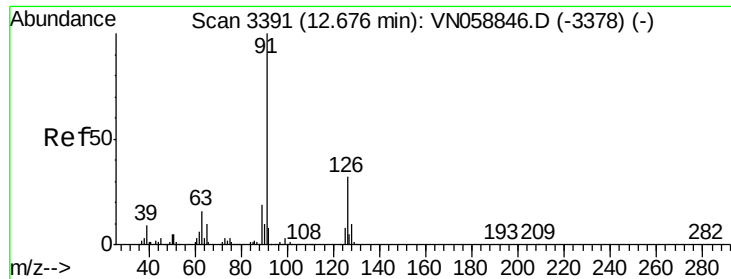
Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1





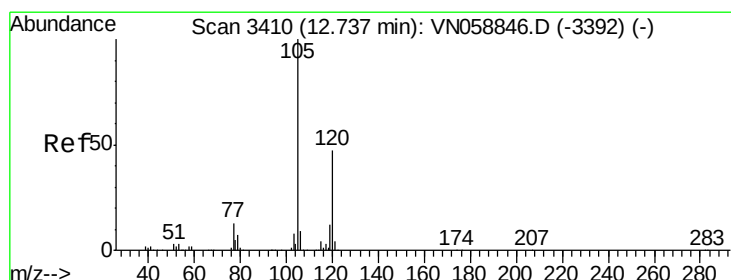
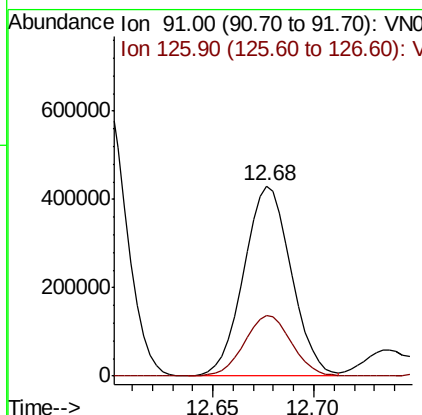
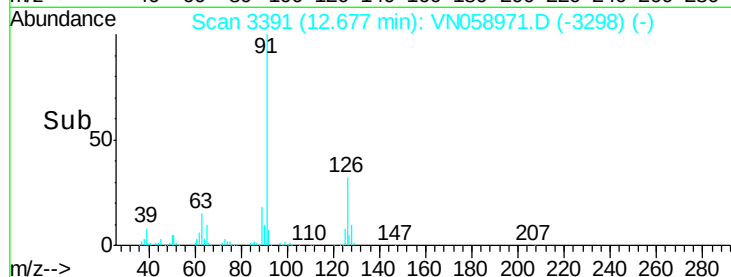
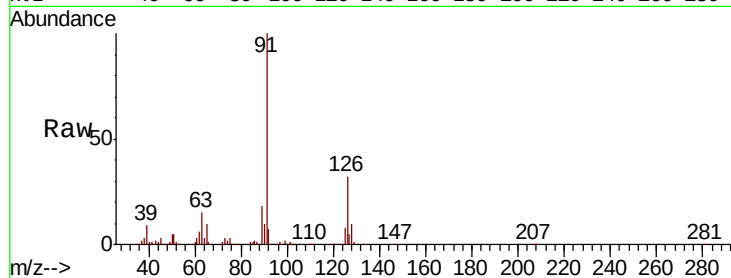
#79
2-Chlorotoluene
Concen: 51.286 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 704975
Ion Ratio Lower Upper
91 100
126 32.2 16.2 48.6

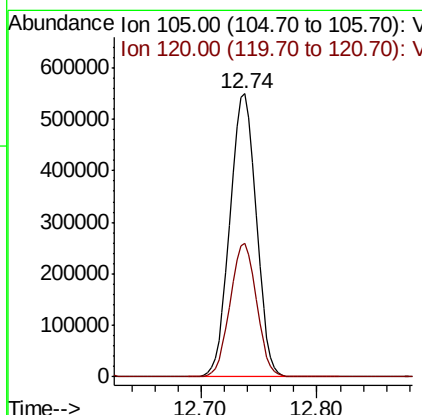
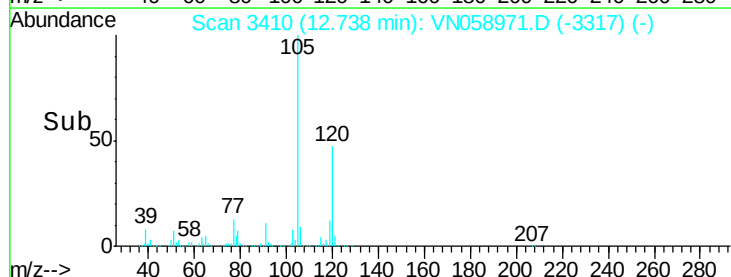
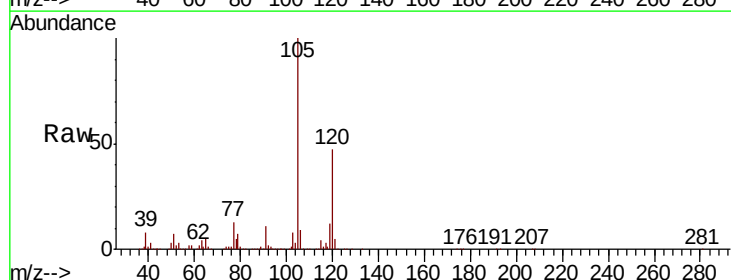
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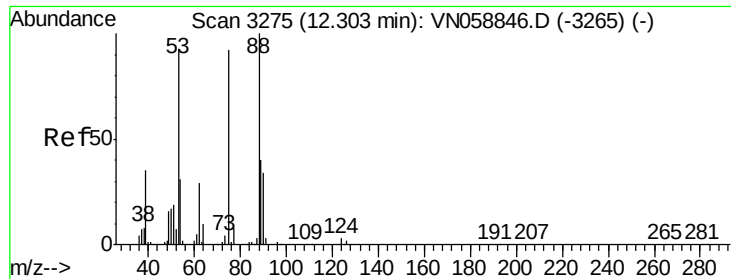
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#80
1,3,5-Trimethylbenzene
Concen: 53.885 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion: 105 Resp: 860202
Ion Ratio Lower Upper
105 100
120 47.2 23.8 71.5





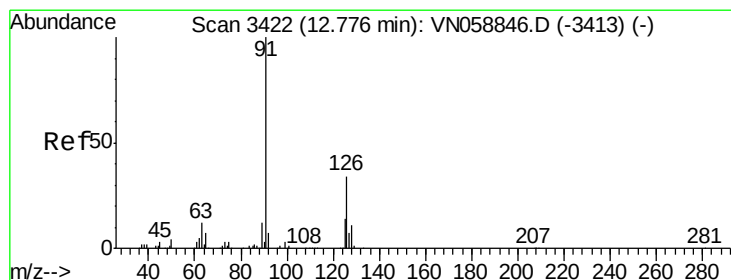
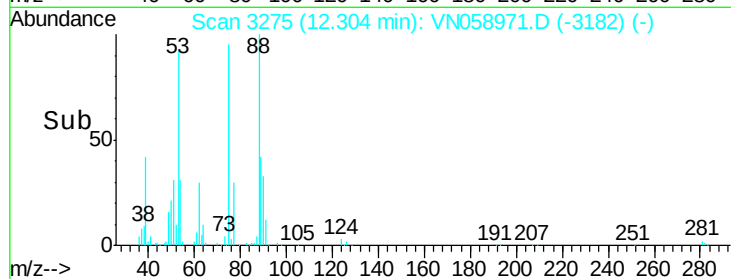
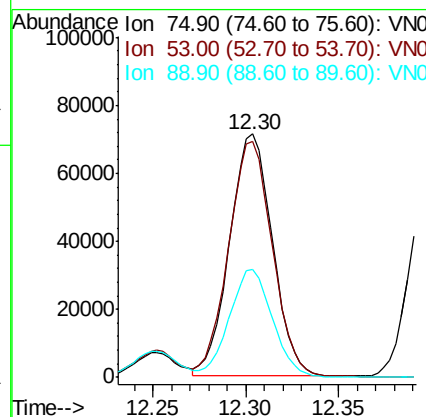
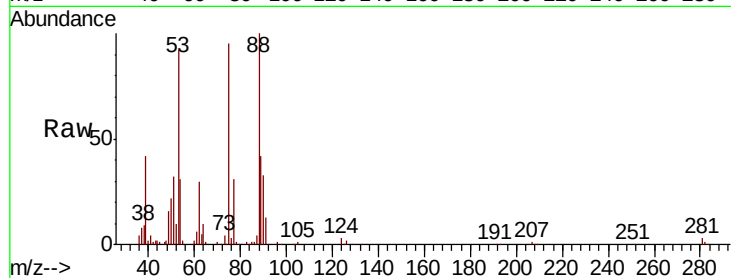
#81
trans-1,4-Dichloro-2-butene
Concen: 49.351 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.8	78.6	118.0
89	45.3	35.4	53.0

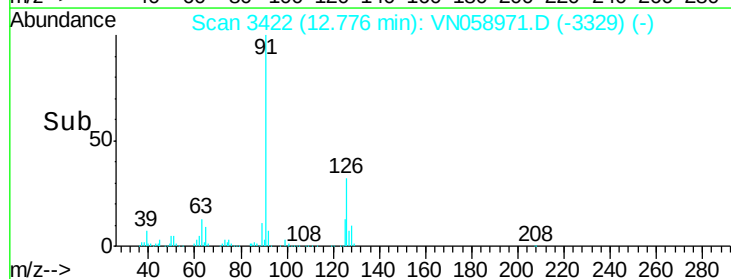
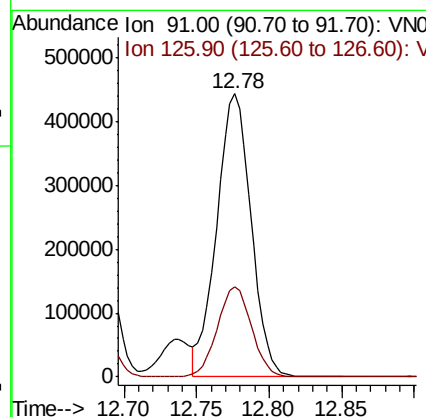
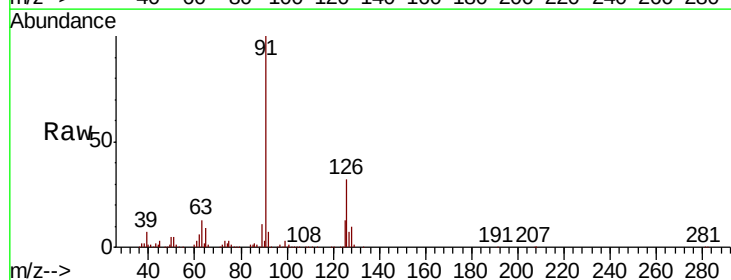
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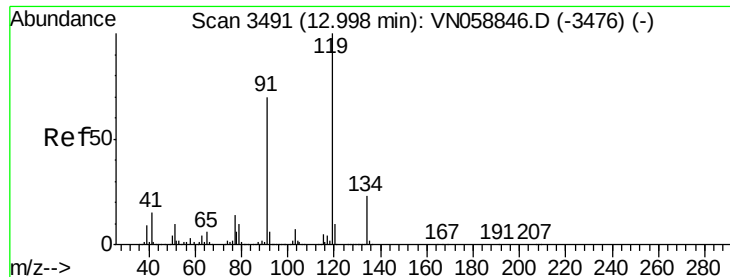
MMDadoda
10/25/2019 2:36:28 PM



#82
4-Chlorotoluene
Concen: 51.994 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.0	47.9





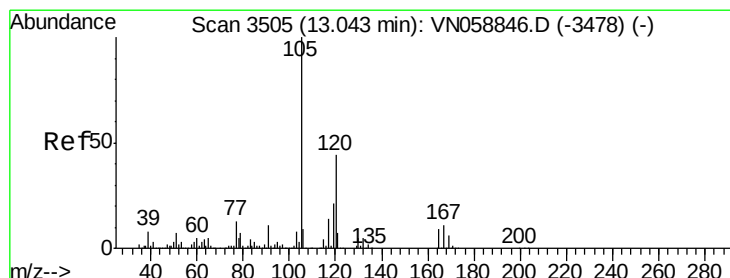
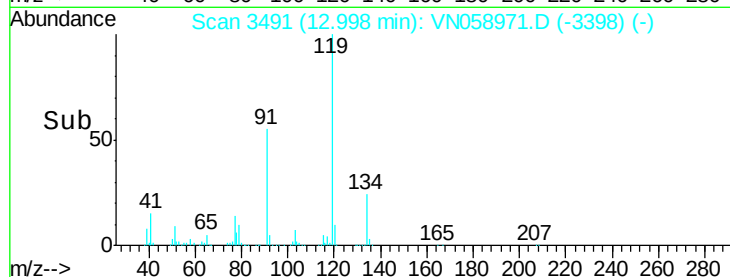
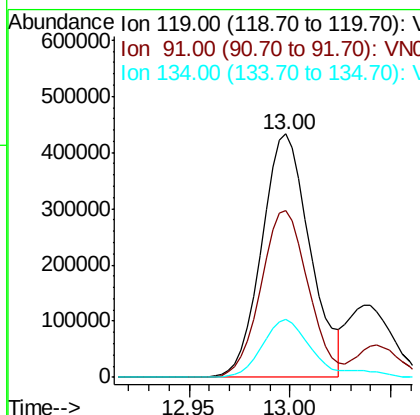
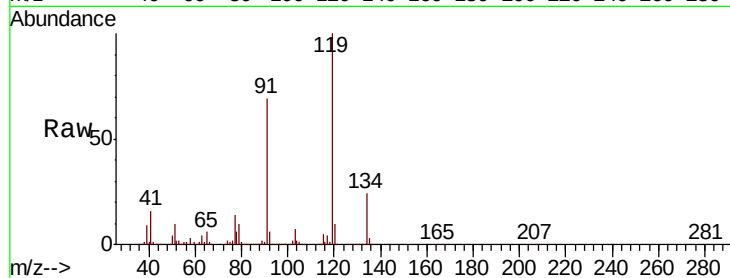
#83
tert-Butylbenzene
Concen: 52.909 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	34.1	102.3
134	23.4	11.6	34.8

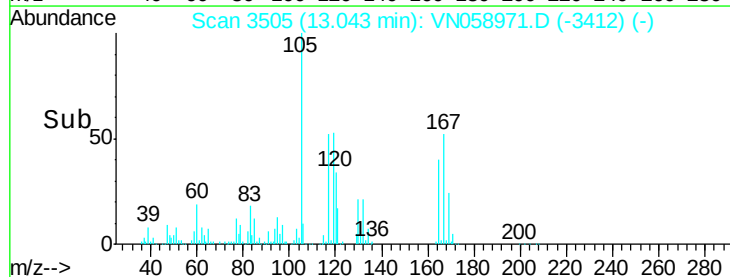
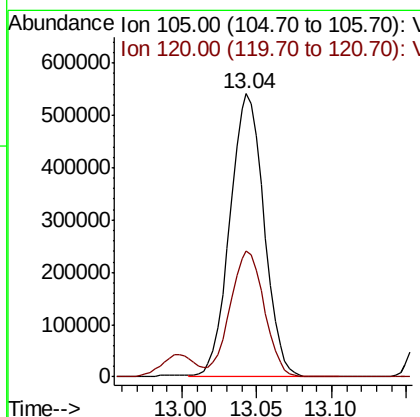
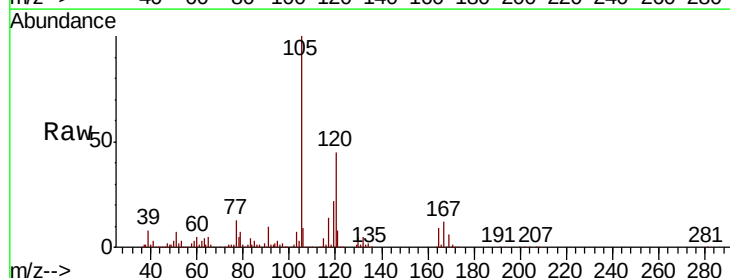
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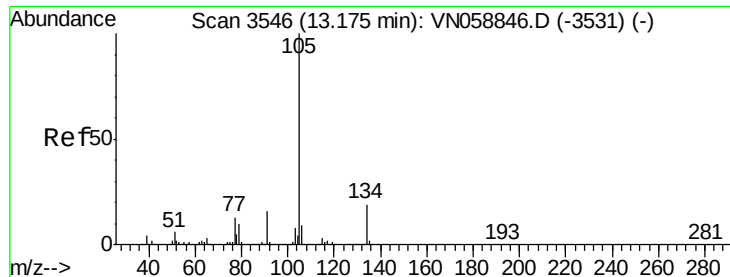
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#84
1,2,4-Trimethylbenzene
Concen: 54.474 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	21.9	65.8





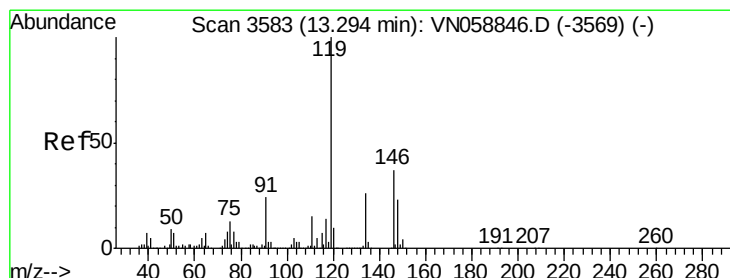
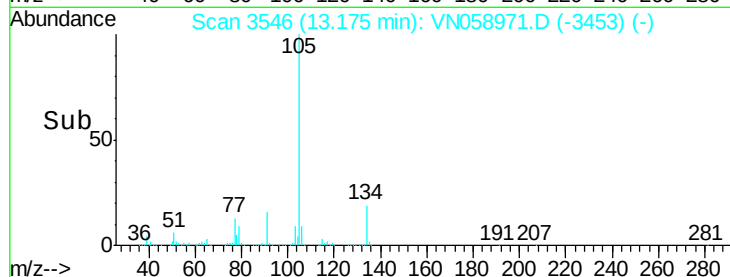
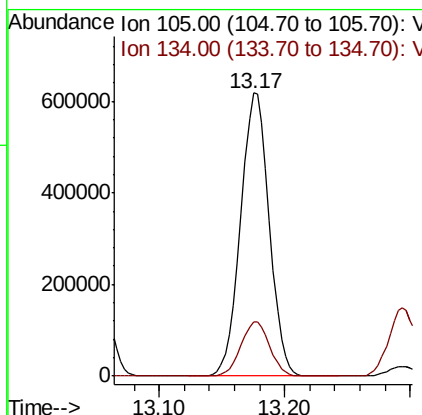
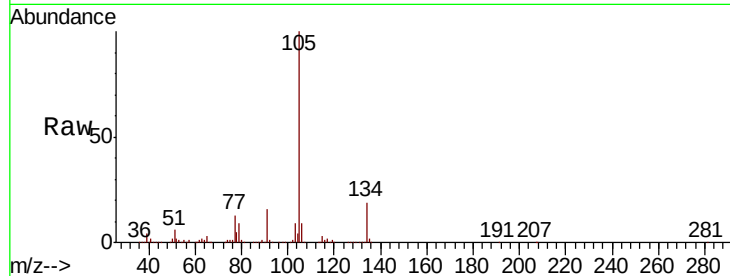
#85
 sec-Butylbenzene
 Concen: 53.767 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	978574		
134	19.3	9.4	28.2	

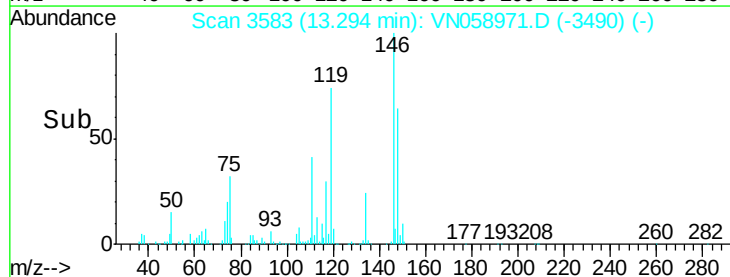
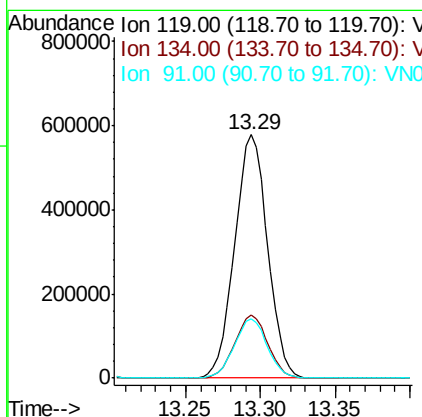
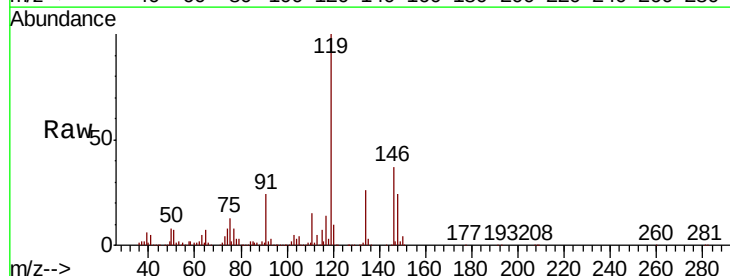
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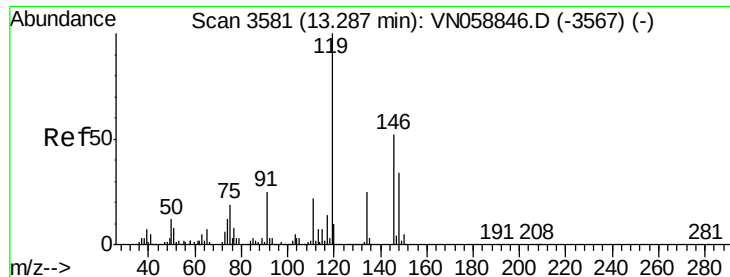
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#86
 p-Isopropyltoluene
 Concen: 54.958 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	882572		
134	26.0	12.8	38.4	
91	24.7	12.2	36.4	





#87

1,3-Dichlorobenzene

Concen: 51.481 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

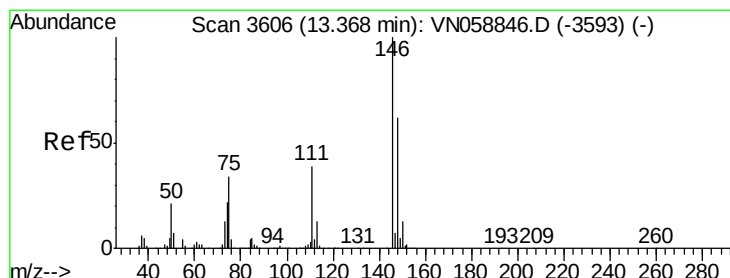
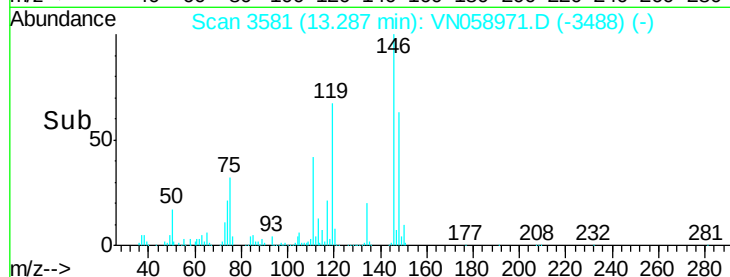
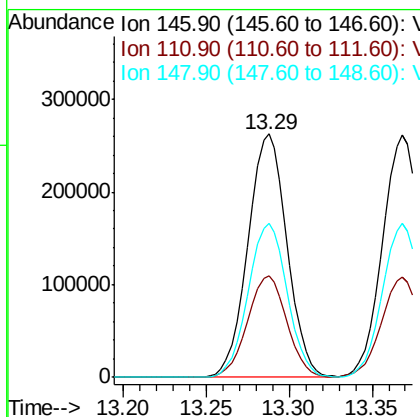
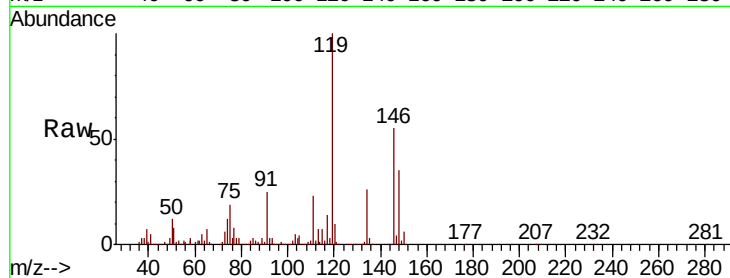
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	431103
Ion Ratio	Lower	Upper	
146	100		
111	41.9	21.0	63.0
148	63.4	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.632 ug/l

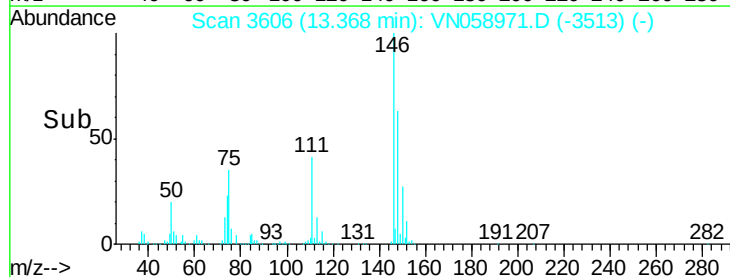
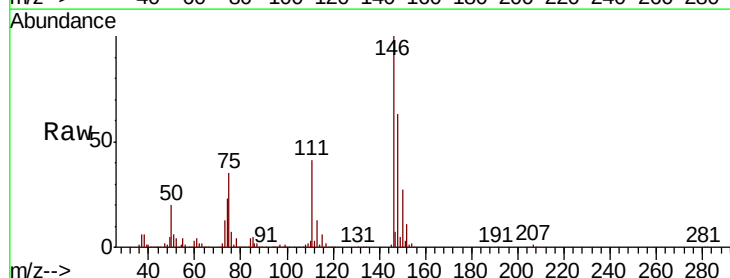
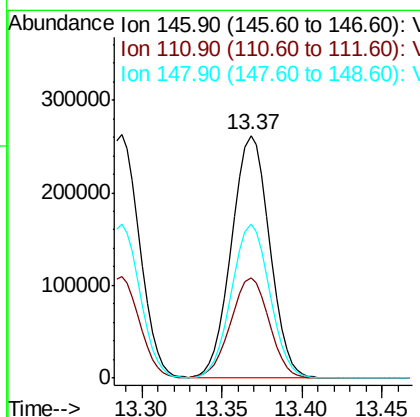
RT: 13.37 min Scan# 3606

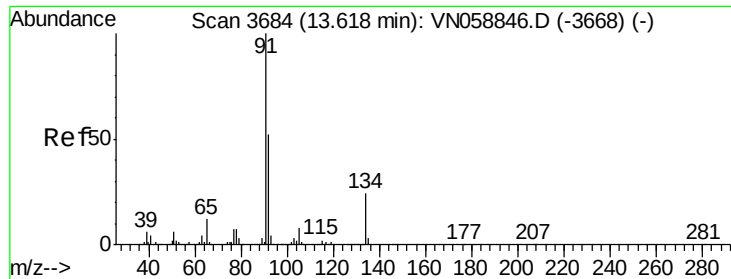
Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Tgt Ion:	146	Resp:	424495
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.2	60.6
148	63.8	31.6	94.7





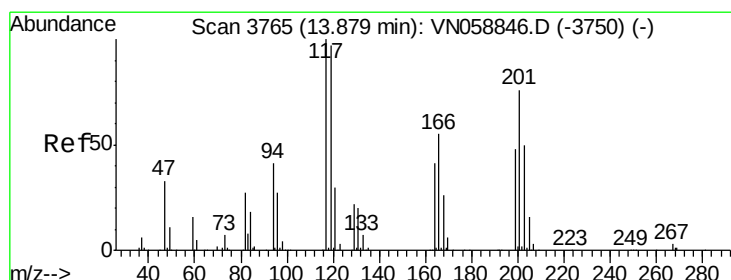
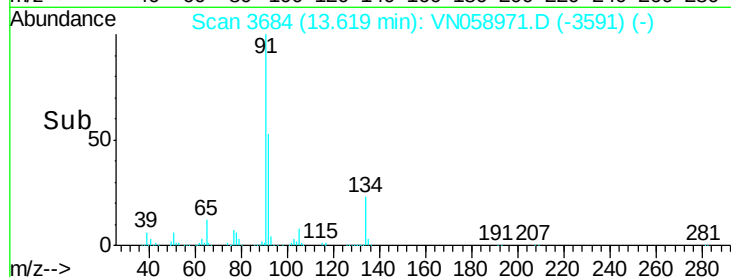
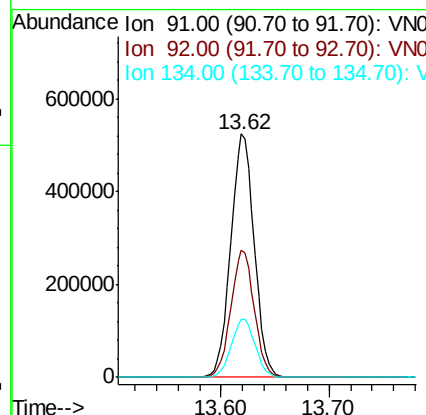
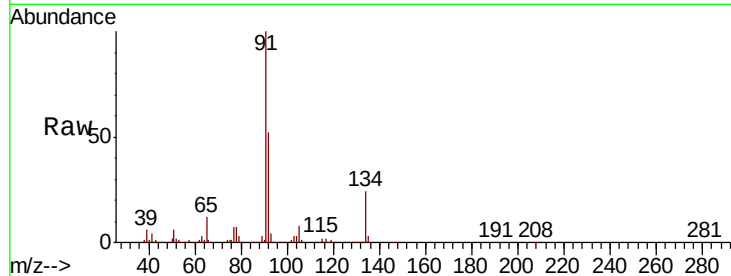
#89
n-Butylbenzene
Concen: 53.918 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.7	77.1
134	24.3	11.9	35.5

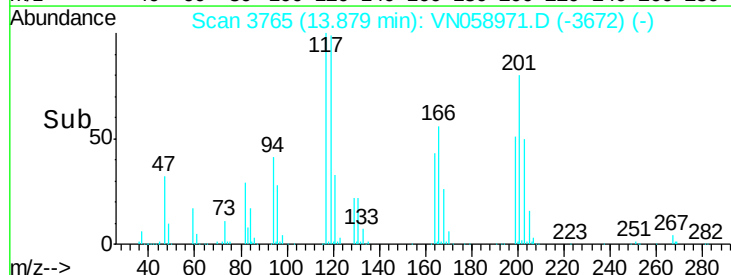
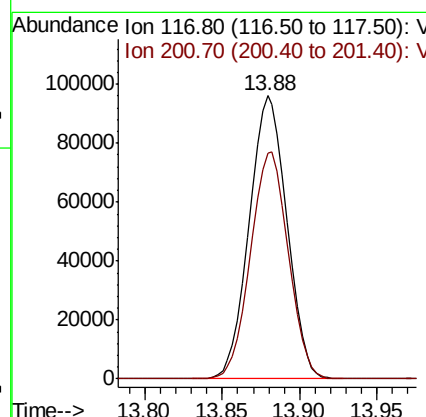
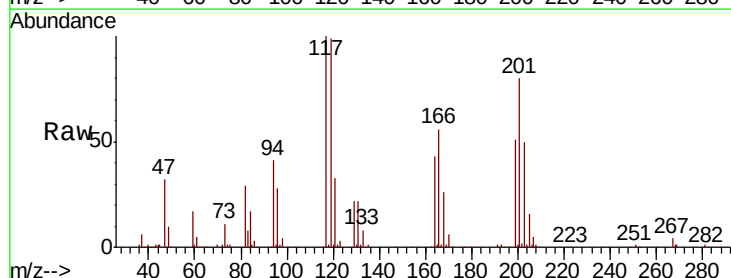
Manual Integrations
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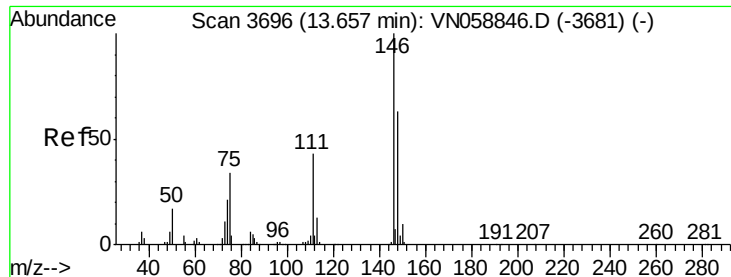
MMDadoda
10/25/2019 2:36:28 PM



#90
Hexachloroethane
Concen: 50.118 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.5	38.9	116.6





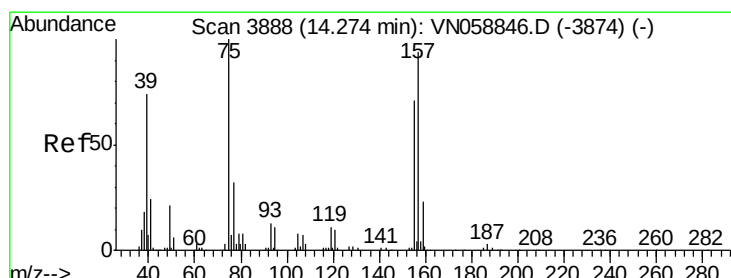
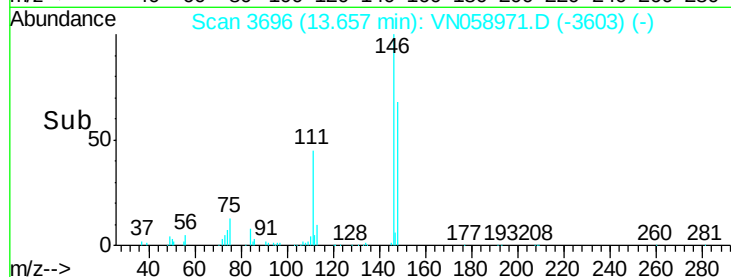
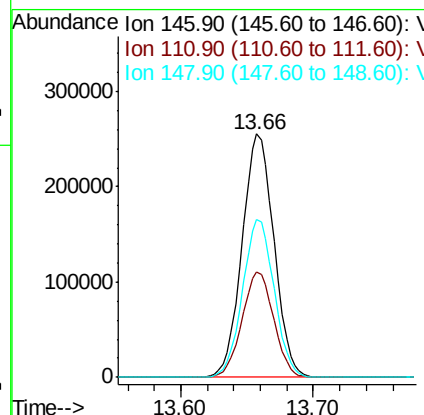
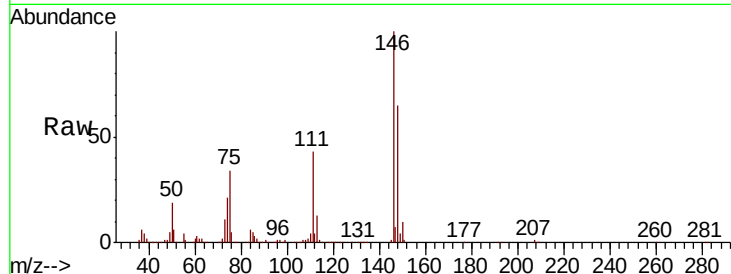
#91
 1,2-Dichlorobenzene
 Concen: 51.820 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.8
148	64.3	31.9	95.9

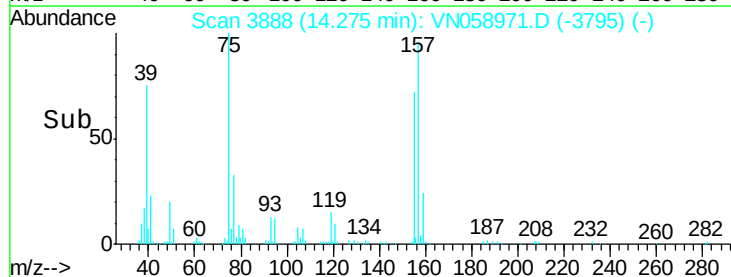
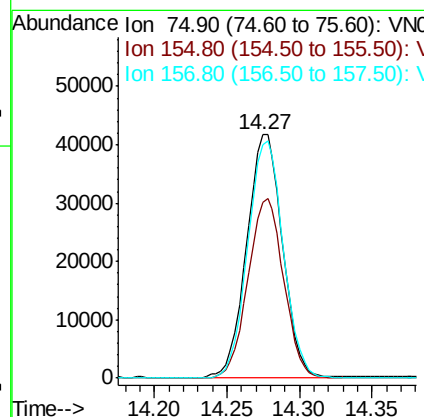
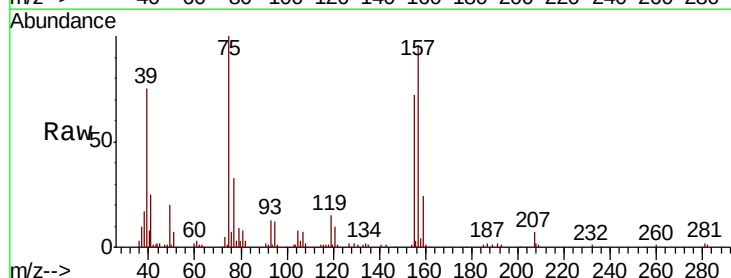
Manual Integrations
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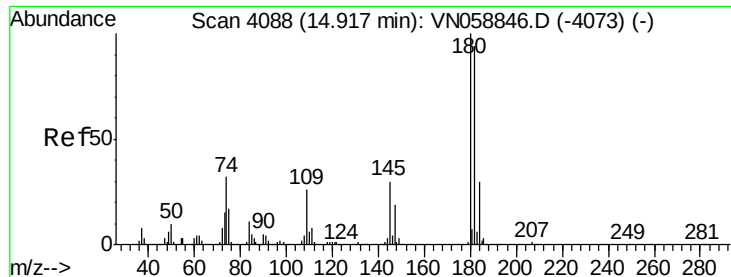
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.672 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.1	35.6	106.8
157	96.2	47.4	142.2





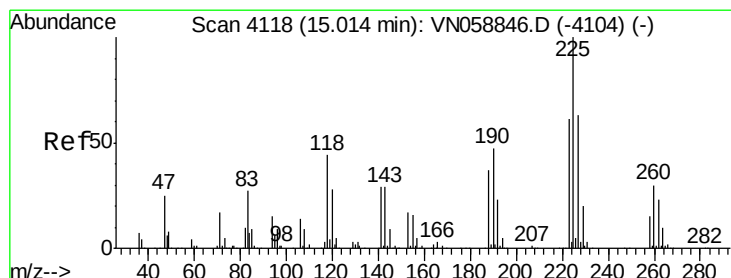
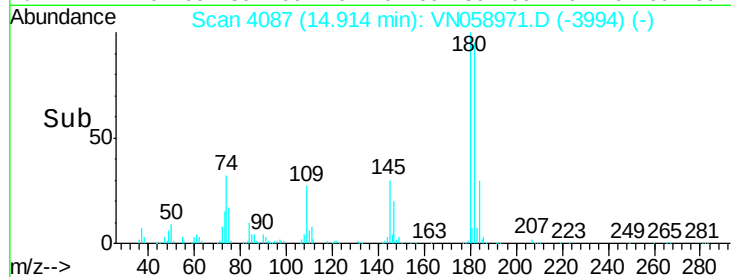
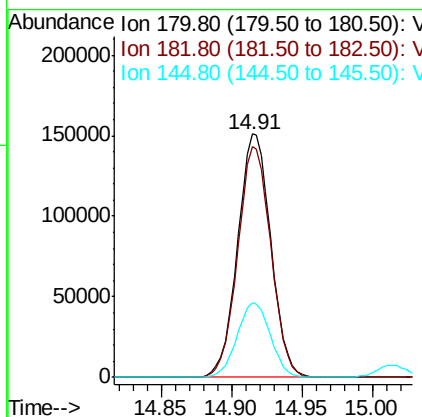
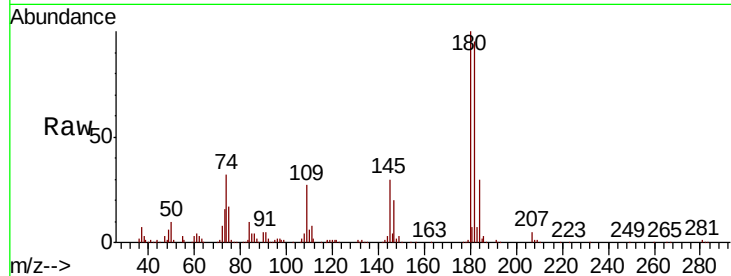
#93
 1,2,4-Trichlorobenzene
 Concen: 48.167 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	249066		
182	94.7	47.3	142.0	
145	30.8	15.3	45.8	

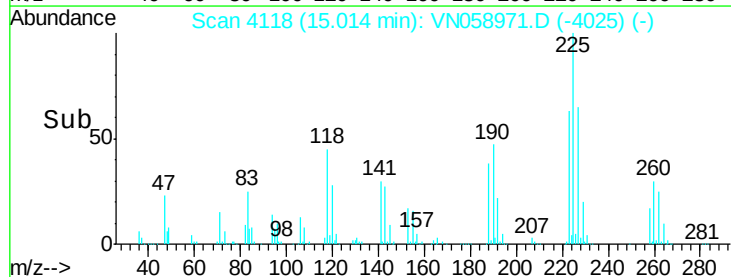
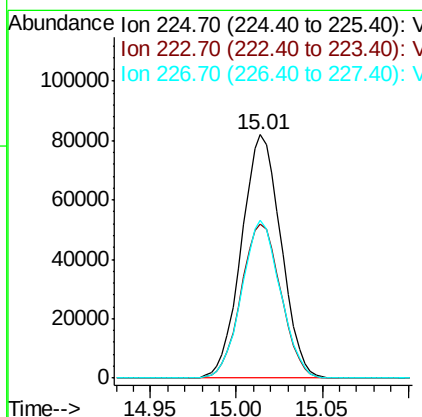
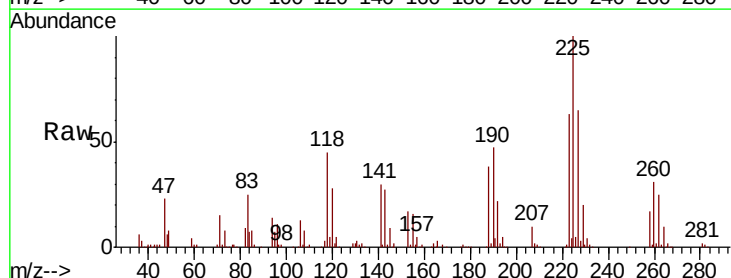
Manual Integrations
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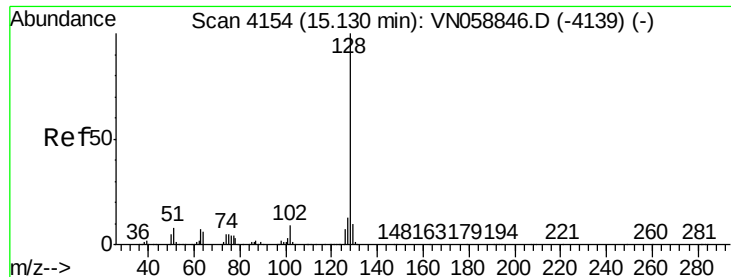
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#94
 Hexachlorobutadiene
 Concen: 48.927 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	130522		
223	63.8	30.9	92.5	
227	63.4	31.6	94.7	





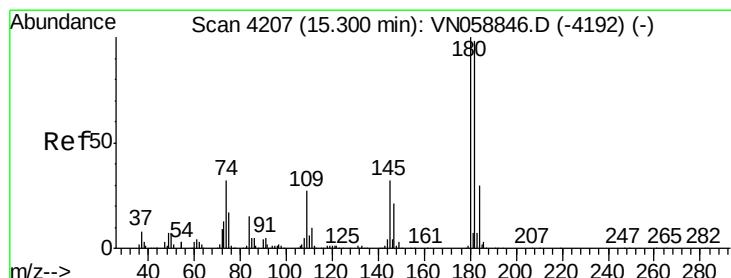
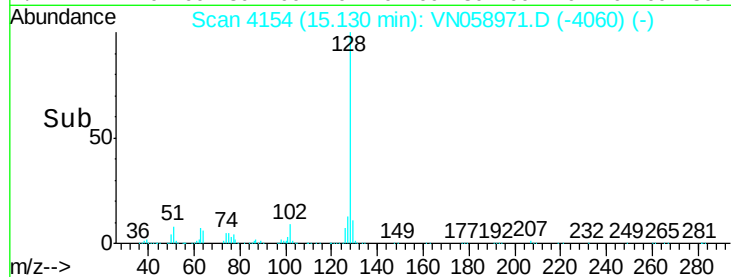
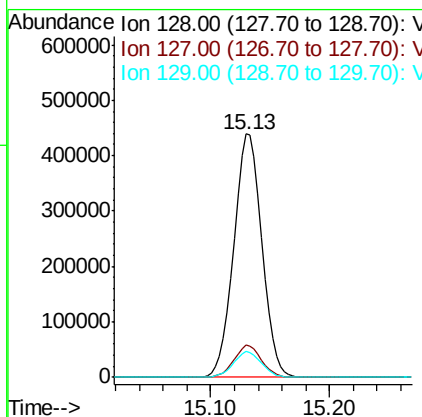
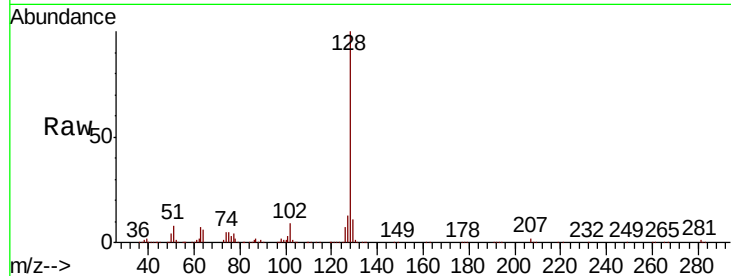
#95
Naphthalene
Concen: 48.357 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.6	8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 48.927 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.7
145	31.6	15.9	47.7

