

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102619\
 Data File : VN058973.D
 Acq On : 25 Oct 2019 9:08
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 9:47:51 AM

Quant Time: Oct 25 23:11:35 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	7.64	168	361299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	567315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	542371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	268958	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	267819	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
35) Dibromofluoromethane	7.57	113	196961	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	10.08	98	768270	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
62) 4-Bromofluorobenzene	12.40	95	287304	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	214447	47.605	ug/l	99
3) Chloromethane	2.04	50	263592	47.246	ug/l	99
4) Vinyl Chloride	2.17	62	273395	49.354	ug/l	99
5) Bromomethane	2.53	94	158962	45.825	ug/l	96
6) Chloroethane	2.68	64	169938	47.838	ug/l	99
7) Trichlorofluoromethane	2.99	101	339153	49.481	ug/l	99
8) Diethyl Ether	3.38	74	120414	50.837	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	185199	48.739	ug/l	99
10) Methyl Iodide	3.92	142	211634	42.347	ug/l	100
11) Tert butyl alcohol	4.75	59	215678	245.270	ug/l	99
12) 1,1-Dichloroethene	3.71	96	175074	49.154	ug/l	98
13) Acrolein	3.58	56	178449	295.345	ug/l	99
14) Allyl chloride	4.29	41	366530	50.856	ug/l	98
15) Acrylonitrile	4.95	53	584744	264.360	ug/l	99
16) Acetone	3.79	43	721865	275.683	ug/l	99
17) Carbon Disulfide	4.02	76	526451	45.885	ug/l	100
18) Methyl Acetate	4.29	43	302579	50.827	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	656898	52.671	ug/l	98
20) Methylene Chloride	4.52	84	215402	48.177	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	197558	50.225	ug/l	98
22) Diisopropyl ether	5.92	45	760872	53.973	ug/l	97
23) Vinyl Acetate	5.86	43	3199036	282.448	ug/l	100
24) 1,1-Dichloroethane	5.82	63	409211	50.061	ug/l	99
25) 2-Butanone	6.81	43	894061	263.034	ug/l	99
26) 2,2-Dichloropropane	6.80	77	360989	51.056	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	227957	50.732	ug/l	99
28) Bromochloromethane	7.17	49	140039	51.441	ug/l	99
29) Tetrahydrofuran	7.18	42	550633	264.816	ug/l	100
30) Chloroform	7.35	83	405682	49.476	ug/l	99
31) Cyclohexane	7.63	56	361582	47.482	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	345800	50.034	ug/l	99
36) 1,1-Dichloropropene	7.77	75	303658	52.282	ug/l	99
37) Ethyl Acetate	6.90	43	339488	53.643	ug/l	99
38) Carbon Tetrachloride	7.75	117	301840	50.445	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	338556	51.913	ug/l	100
40) Benzene	8.02	78	903406	52.969	ug/l	98
41) Methacrylonitrile	7.15	41	159093m	56.443	ug/l	
42) 1,2-Dichloroethane	8.10	62	334908	50.976	ug/l	99
43) Isopropyl Acetate	8.15	43	545496	53.745	ug/l	99
44) Trichloroethene	8.82	130	215271	51.814	ug/l	99
45) 1,2-Dichloropropane	9.10	63	251164	53.704	ug/l	100
46) Dibromomethane	9.19	93	152970	51.738	ug/l	99
47) Bromodichloromethane	9.39	83	326521	53.583	ug/l	100
48) Methyl methacrylate	9.18	41	256140	55.623	ug/l	98
49) 1,4-Dioxane	9.19	88	92014	1217.215	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1731568	292.080	ug/l	99
52) Toluene	10.15	92	562201	55.586	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	370499	54.922	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	399349	55.410	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	223406	53.619	ug/l	99
56) Ethyl methacrylate	10.42	69	354050	50.562	ug/l	99
57) 1,3-Dichloropropane	10.70	76	393411	53.798	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	758741	256.574	ug/l	100
59) 2-Hexanone	10.75	43	1348953	294.463	ug/l	99
60) Dibromochloromethane	10.90	129	245634	54.771	ug/l	98
61) 1,2-Dibromoethane	11.00	107	230388	54.031	ug/l	99
64) Tetrachloroethene	10.63	164	195982	51.596	ug/l	98
65) Chlorobenzene	11.43	112	585646	53.038	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	221307	53.112	ug/l	99
67) Ethyl Benzene	11.51	91	1087054	56.120	ug/l	98
68) m/p-Xylenes	11.62	106	807919	112.471	ug/l	100
69) o-Xylene	11.95	106	380471	55.535	ug/l	99
70) Styrene	11.96	104	647081	51.129	ug/l	99
71) Bromoform	12.13	173	175950	54.455	ug/l #	99
73) Isopropylbenzene	12.25	105	1043391	53.083	ug/l	99
74) N-amyl acetate	12.07	43	480795	53.955	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	345476	49.986	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	298900m	47.951	ug/l	
77) Bromobenzene	12.53	156	251761	51.965	ug/l	98
78) n-propylbenzene	12.59	91	1274054	54.836	ug/l	99
79) 2-Chlorotoluene	12.68	91	742095	52.186	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	900967	54.556	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	124743	52.133	ug/l	97
82) 4-Chlorotoluene	12.78	91	774437	53.292	ug/l	100
83) tert-Butylbenzene	13.00	119	742453	52.574	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	910412	55.891	ug/l	99
85) sec-Butylbenzene	13.17	105	1030243	54.718	ug/l	99
86) p-Isopropyltoluene	13.29	119	937280	56.418	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	461856	53.314	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	456425	52.625	ug/l	99
89) n-Butylbenzene	13.62	91	848884	55.624	ug/l	99
90) Hexachloroethane	13.88	117	171013	50.800	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	450469	52.906	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	72847	46.601	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	270302	50.407	ug/l	99
94) Hexachlorobutadiene	15.01	225	142120	51.498	ug/l	98
95) Naphthalene	15.13	128	746237	48.509	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	259867	49.810	ug/l	100

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

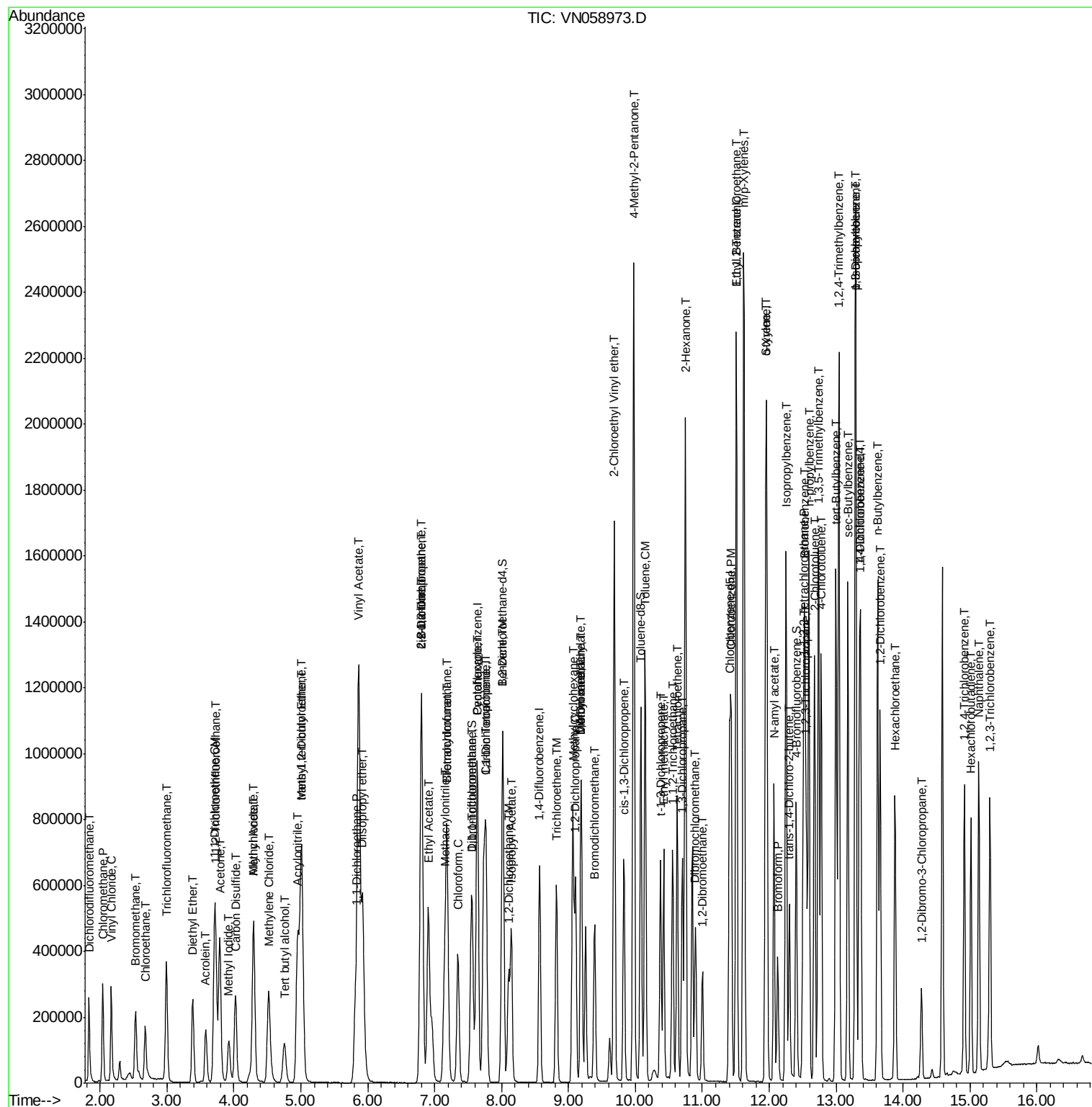
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Data File : VN058973.D
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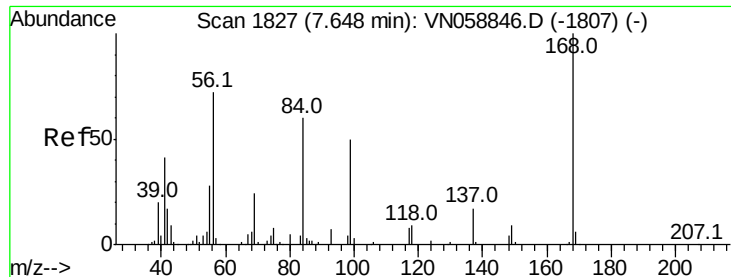
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 361299

Ion Ratio Lower Upper

168 100

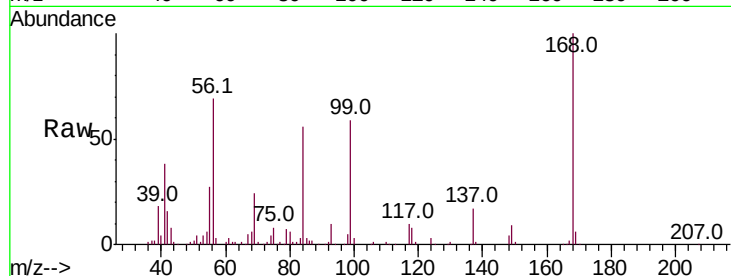
99 58.3 48.1 72.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

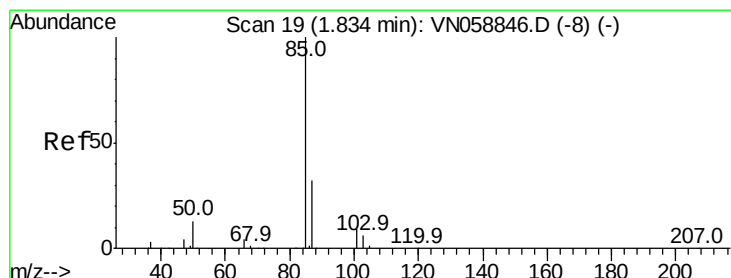
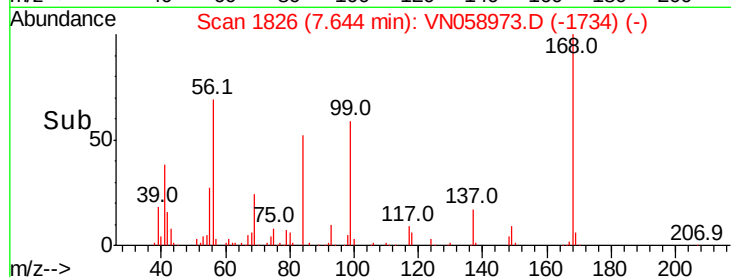
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 47.605 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058973.D

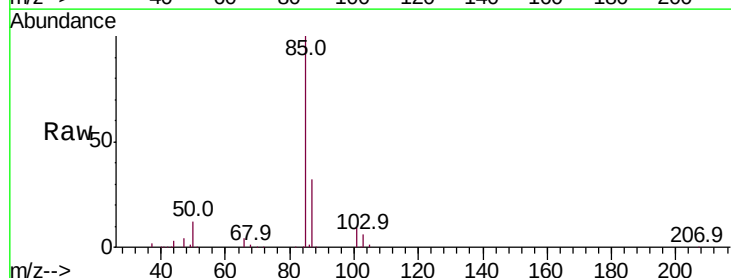
Acq: 25 Oct 2019 9:08

Tgt Ion: 85 Resp: 214447

Ion Ratio Lower Upper

85 100

87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

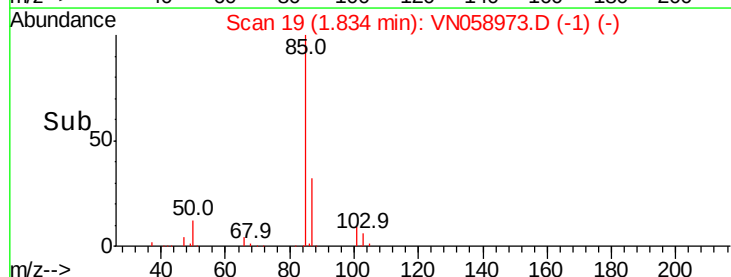
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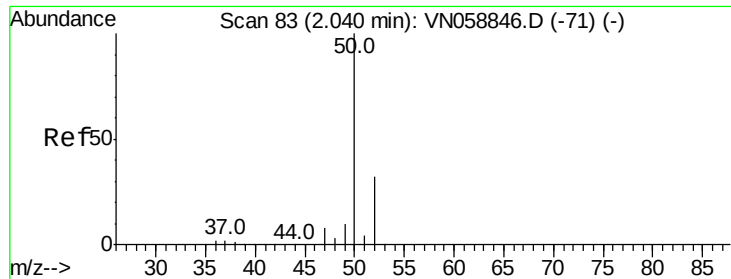
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 47.246 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 263592

Ion Ratio Lower Upper

50 100

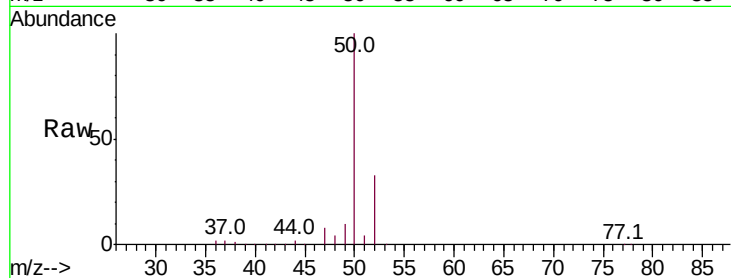
52 32.9 25.7 38.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

200000

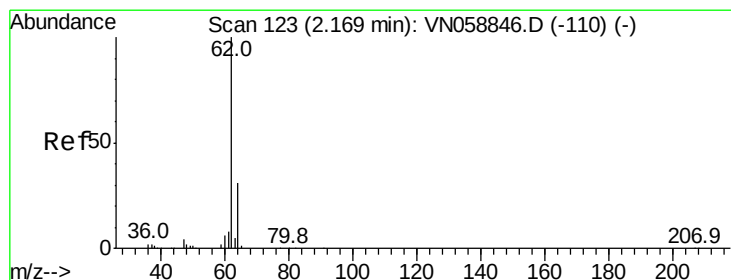
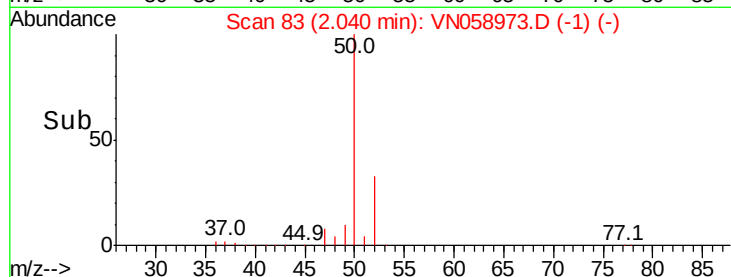
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.354 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058973.D

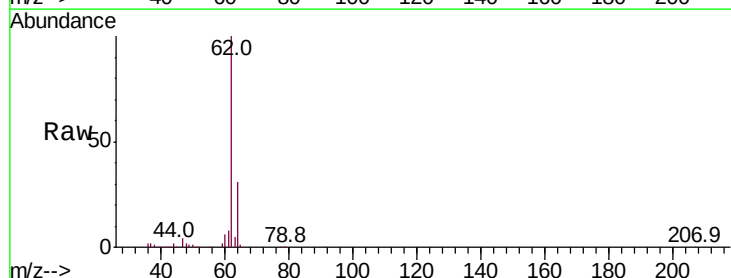
Acq: 25 Oct 2019 9:08

Tgt Ion: 62 Resp: 273395

Ion Ratio Lower Upper

62 100

64 31.1 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

200000

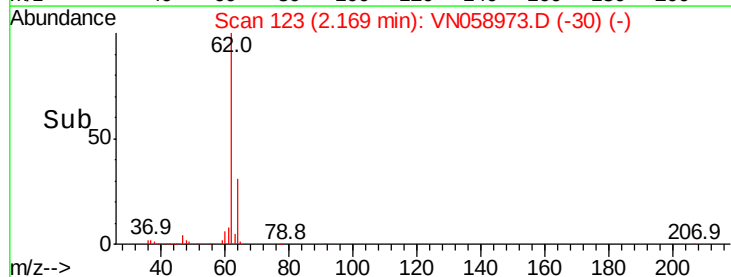
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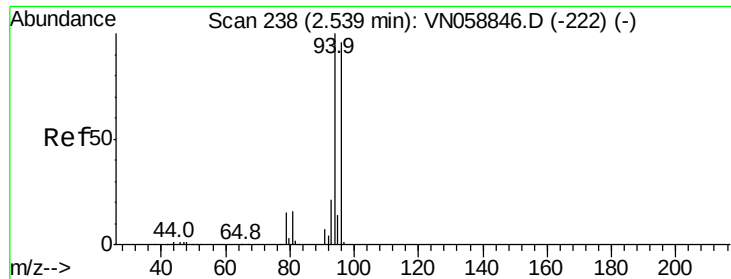
100000

50000

0

Time-->





#5

Bromomethane

Concen: 45.825 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 158962

Ion Ratio Lower Upper

94 100

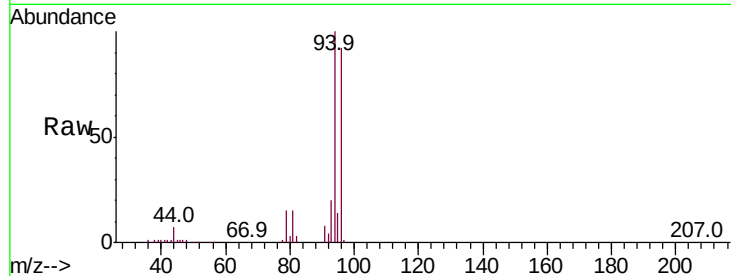
96 92.2 77.0 115.6

Manual Integrations

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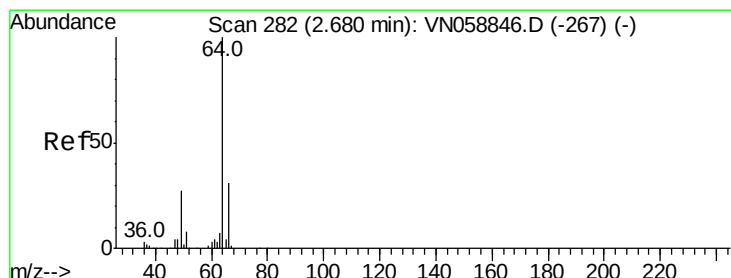
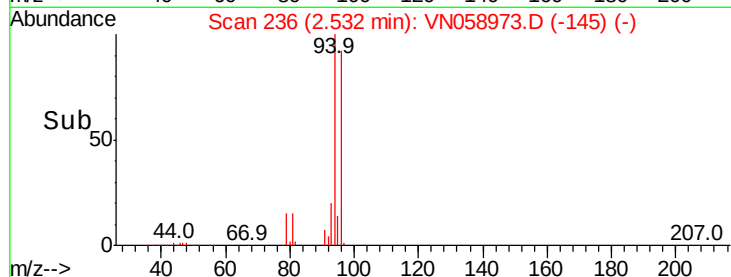
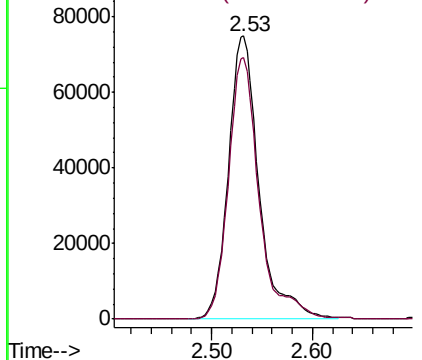
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.838 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN058973.D

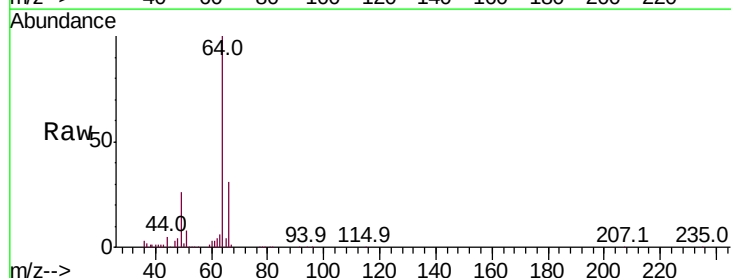
Acq: 25 Oct 2019 9:08

Tgt Ion: 64 Resp: 169938

Ion Ratio Lower Upper

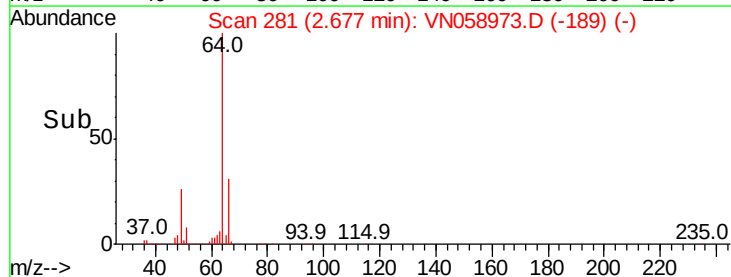
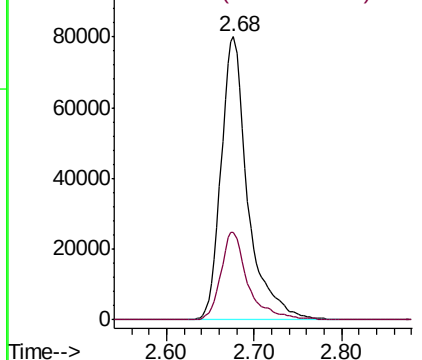
64 100

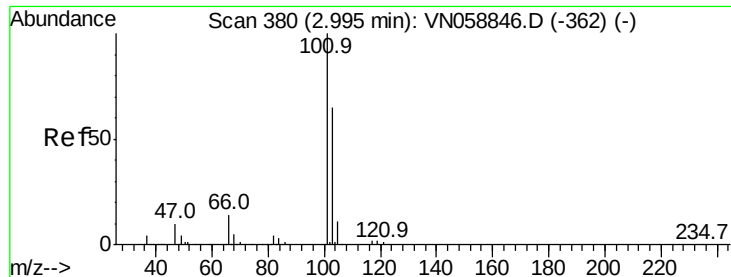
66 30.8 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

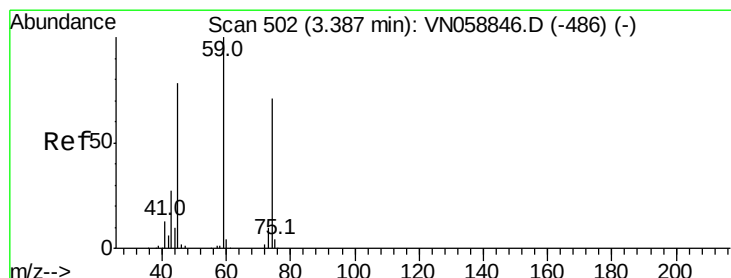
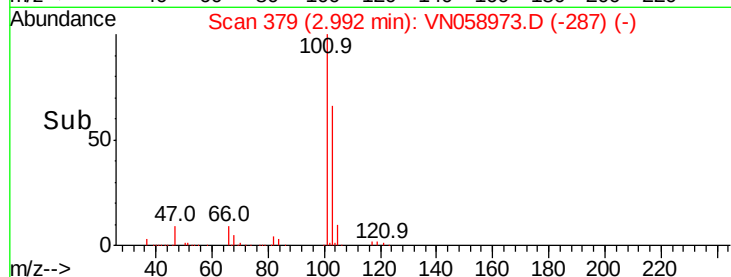
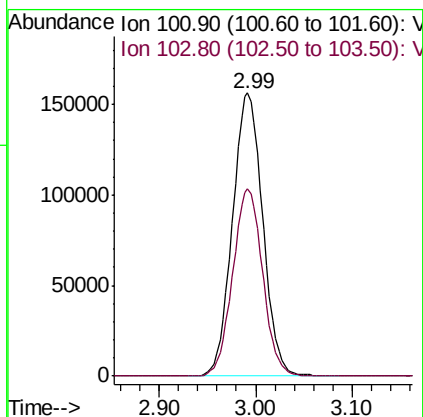
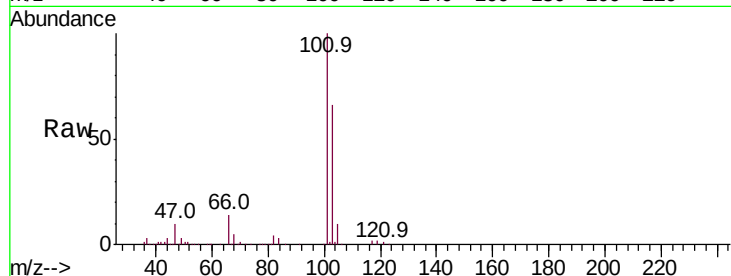
Trichlorofluoromethane
Concen: 49.481 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	339153		
103	66.1	52.2	78.2	

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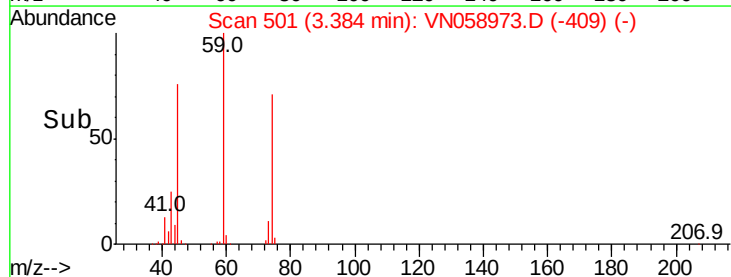
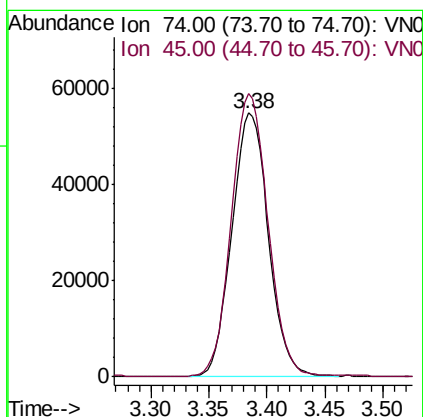
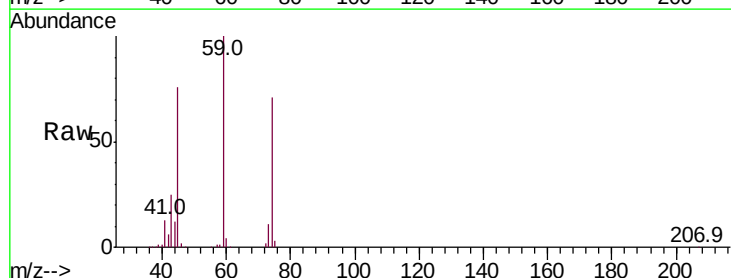
MMDadoda
10/28/2019 9:47:51 AM

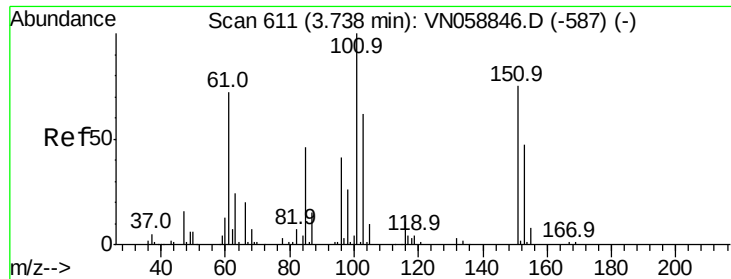


#8

Diethyl Ether
Concen: 50.837 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	120414		
45	107.7	54.9	164.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.739 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

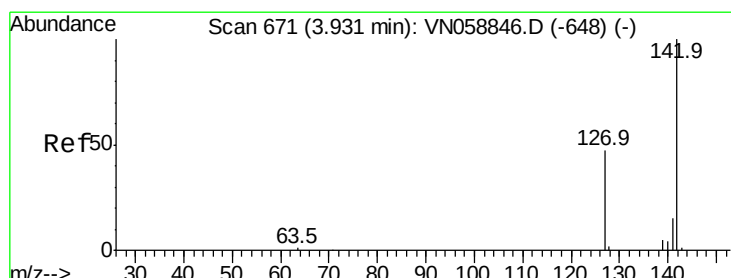
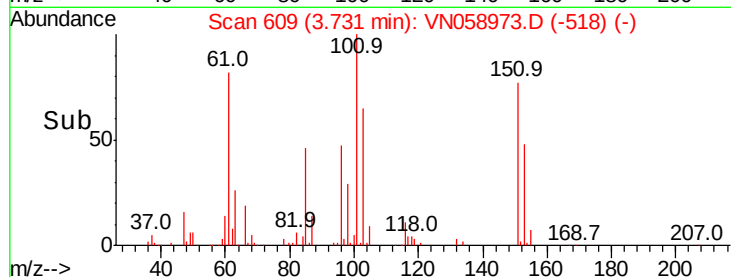
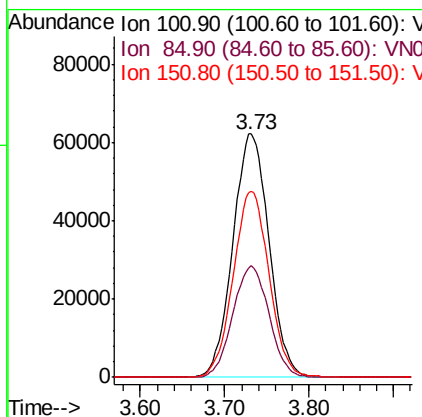
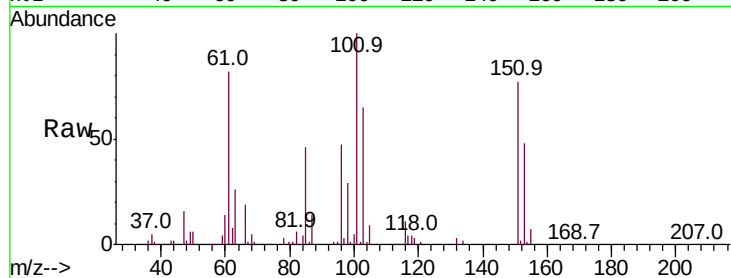
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	185199
Ion Ratio	Lower	Upper	
101	100		
85	45.8	37.2	55.8
151	75.8	59.9	89.9

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#10

Methyl Iodide

Concen: 42.347 ug/l

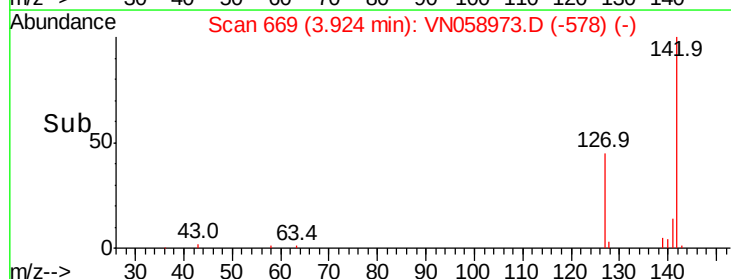
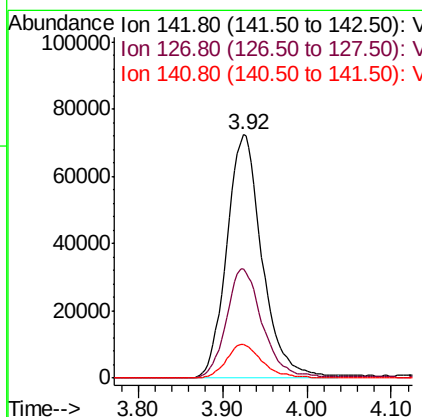
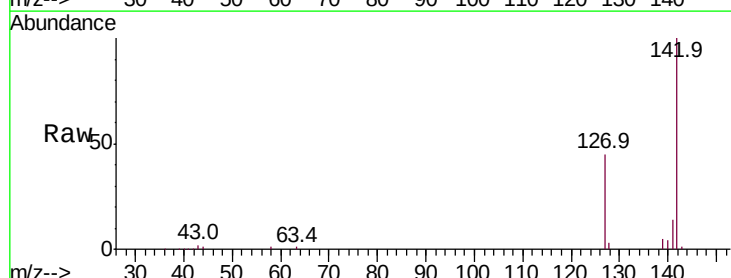
RT: 3.92 min Scan# 669

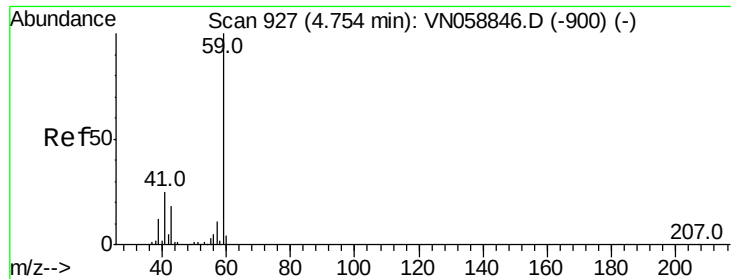
Delta R.T. -0.01 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Tgt Ion:	142	Resp:	211634
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.6	54.8
141	14.0	11.4	17.2





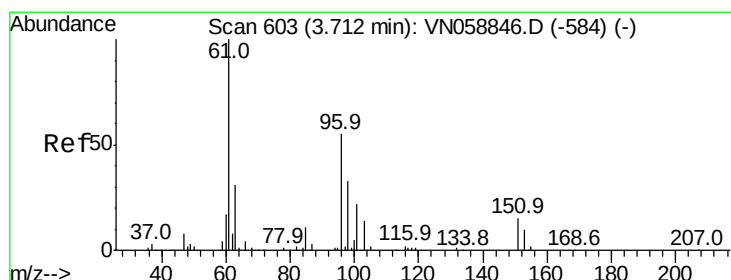
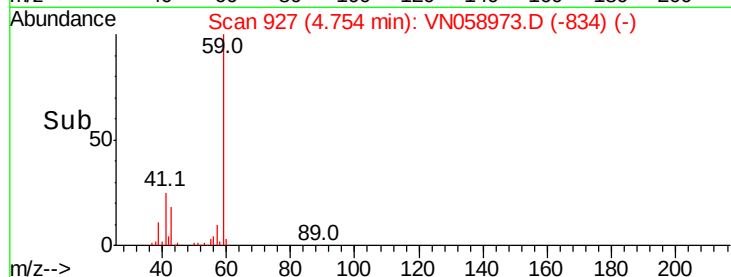
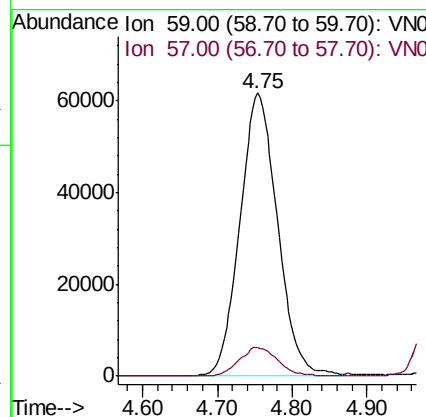
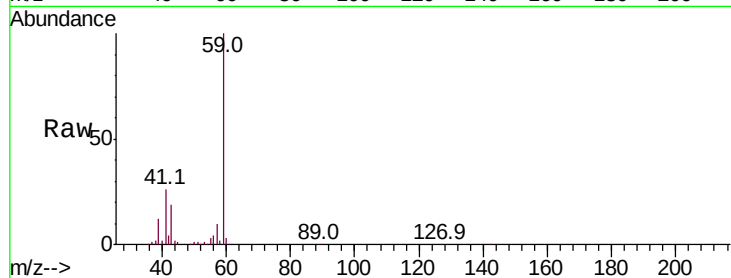
#11
Tert butyl alcohol
Concen: 245.270 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.6	12.8

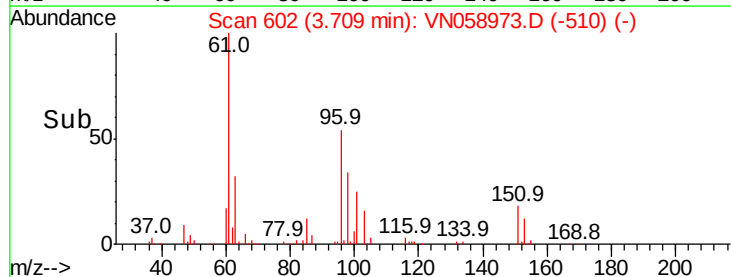
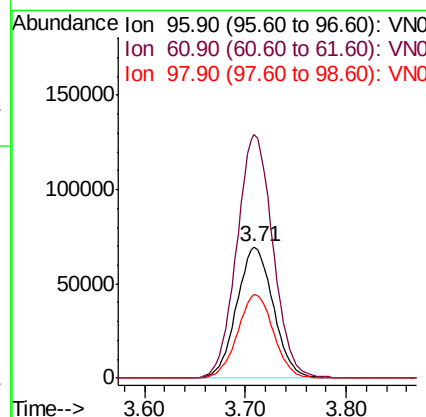
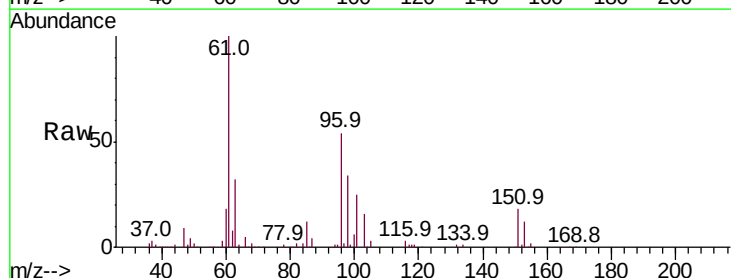
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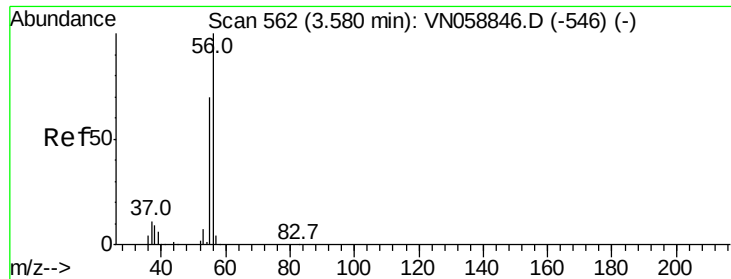
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.154 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.2	146.2	219.2
98	63.3	48.7	73.1





#13

Acrolein

Concen: 295.345 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 178449

Ion Ratio Lower Upper

56 100

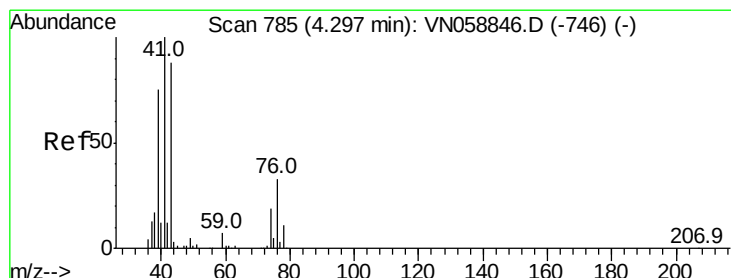
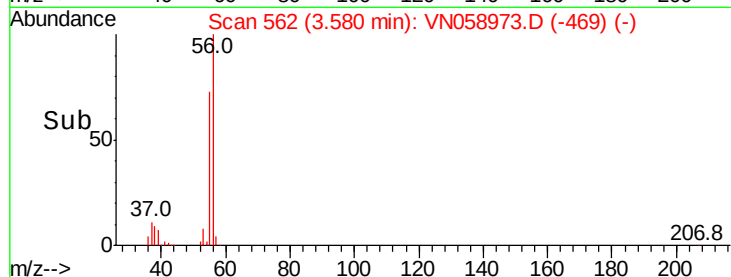
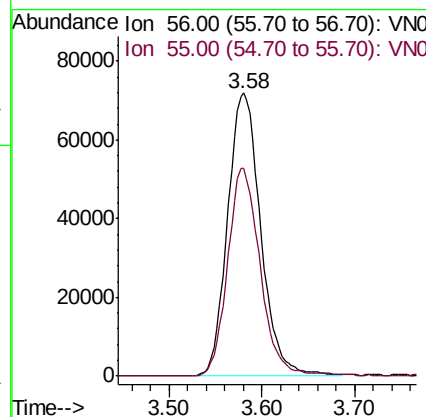
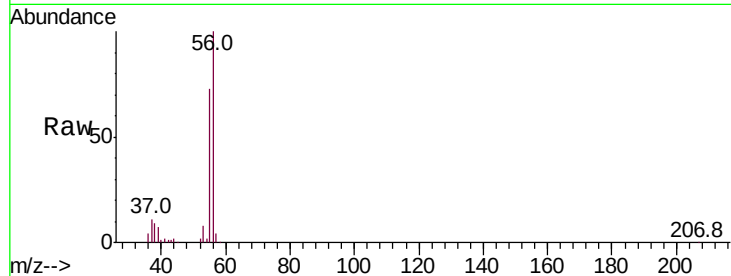
55 72.0 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 50.856 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

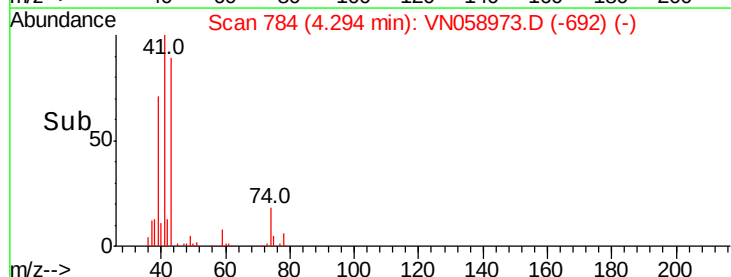
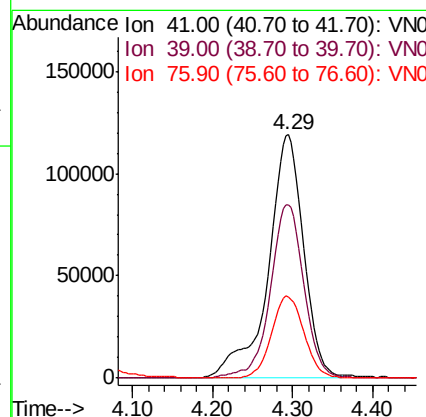
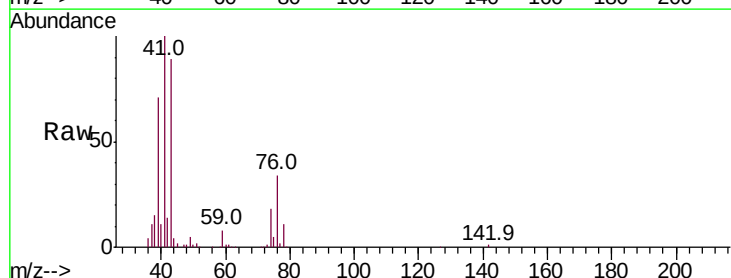
Tgt Ion: 41 Resp: 366530

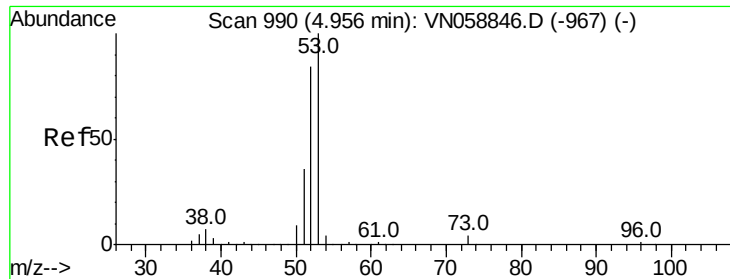
Ion Ratio Lower Upper

41 100

39 67.7 55.9 83.9

76 31.0 24.1 36.1





#15

Acrylonitrile

Concen: 264.360 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

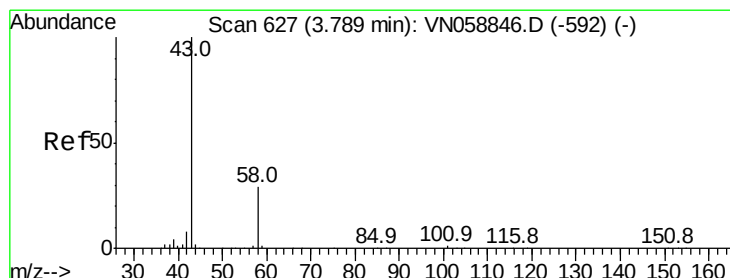
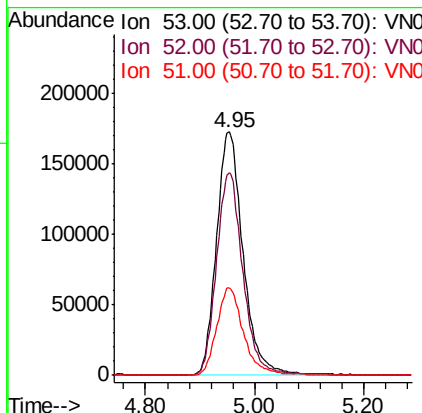
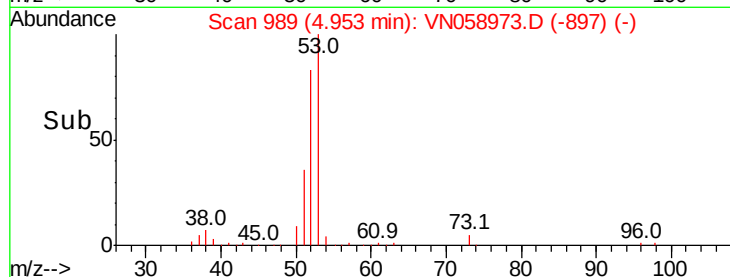
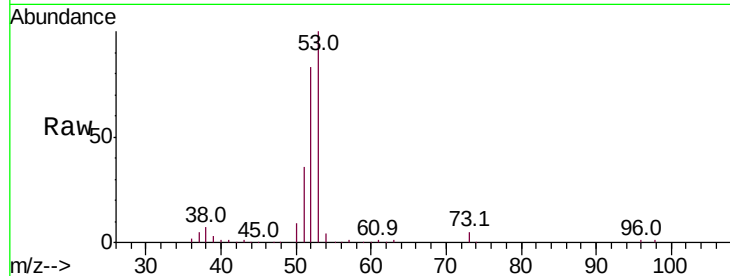
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	584744
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.6	99.8
51	36.2	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 275.683 ug/l

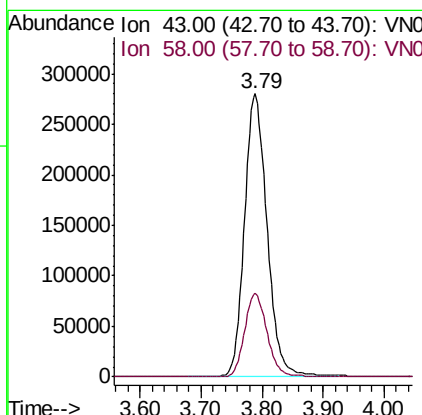
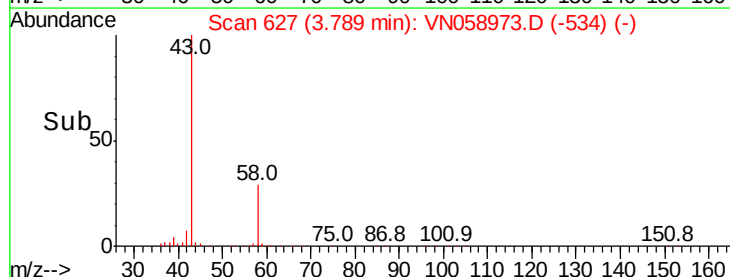
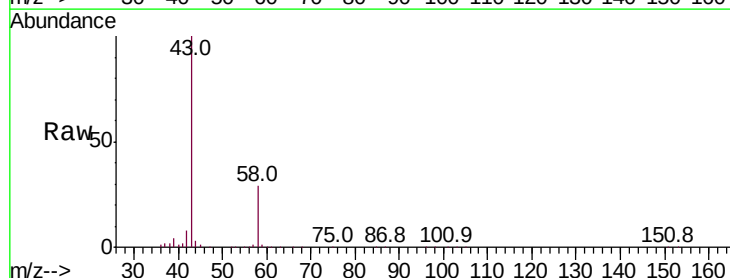
RT: 3.79 min Scan# 627

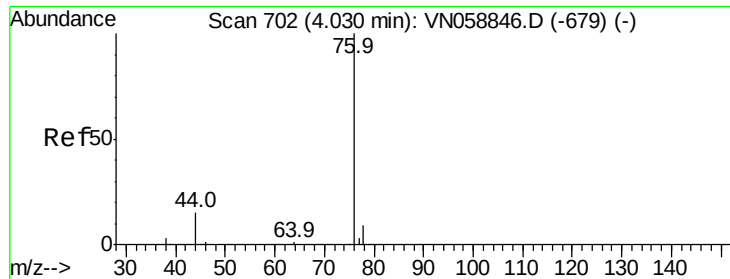
Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Tgt Ion:	43	Resp:	721865
Ion Ratio	Lower	Upper	
43	100		
58	29.4	23.1	34.7





#17

Carbon Disulfide

Concen: 45.885 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 526451

Ion Ratio Lower Upper

76 100

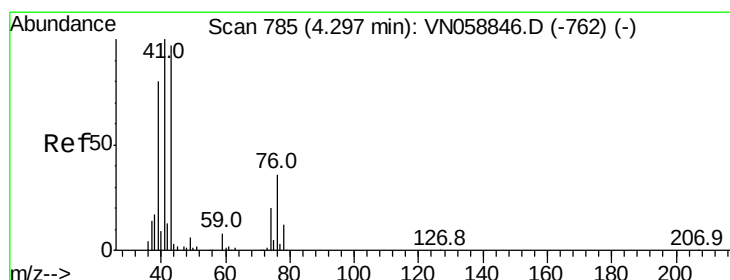
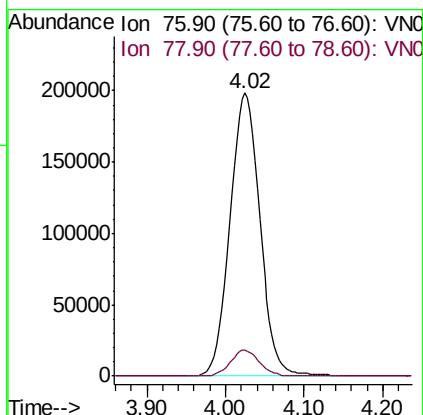
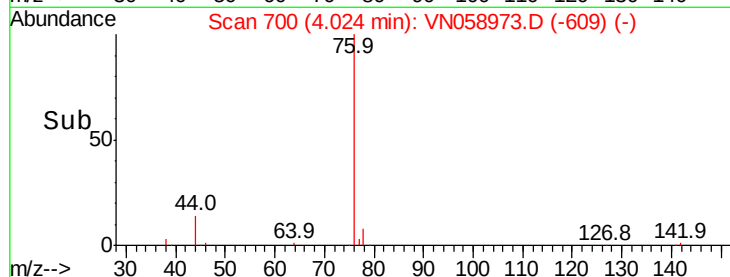
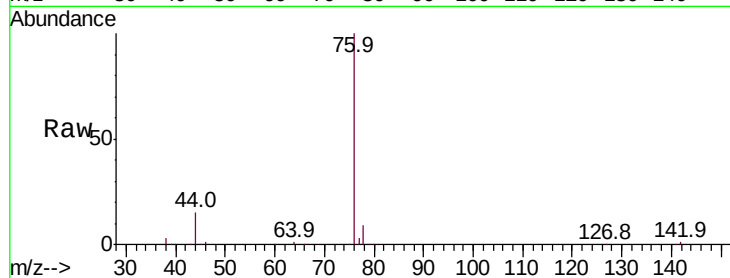
78 9.0 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 50.827 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN058973.D

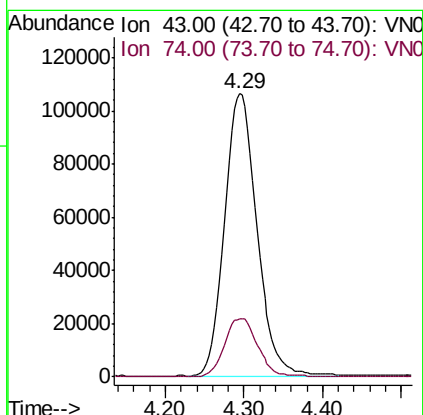
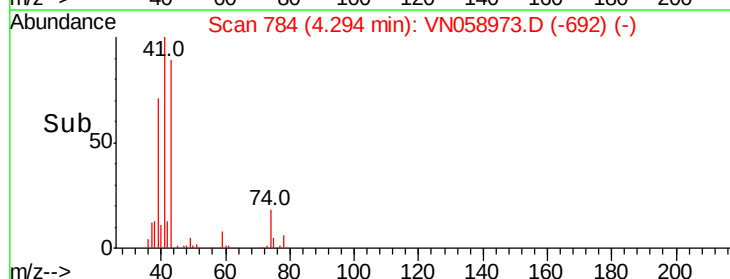
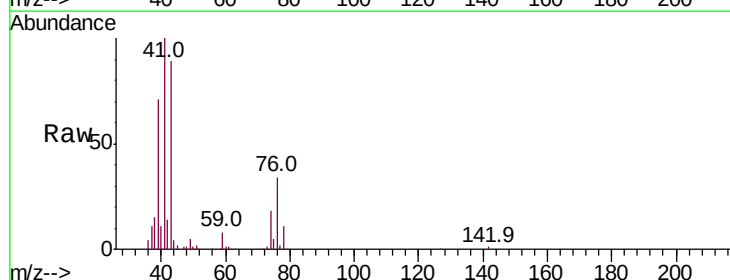
Acq: 25 Oct 2019 9:08

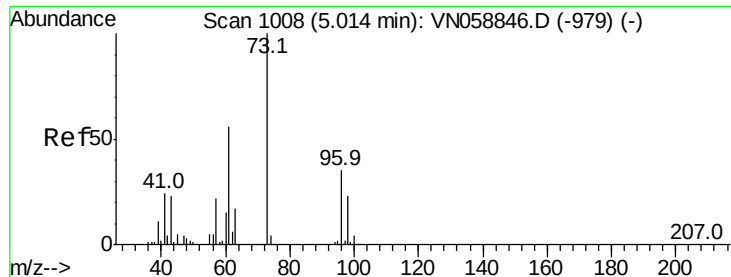
Tgt Ion: 43 Resp: 302579

Ion Ratio Lower Upper

43 100

74 21.5 17.1 25.7





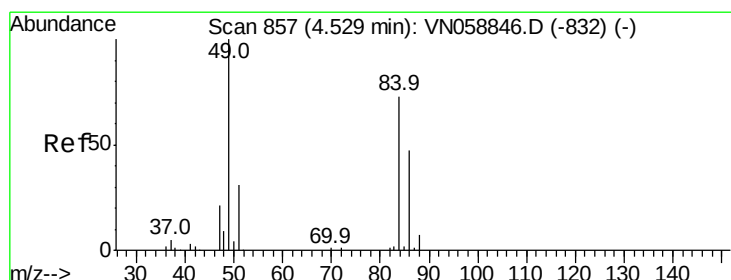
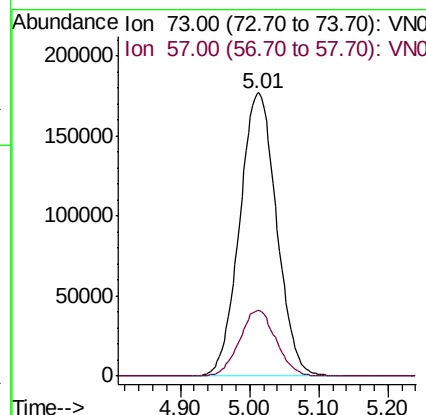
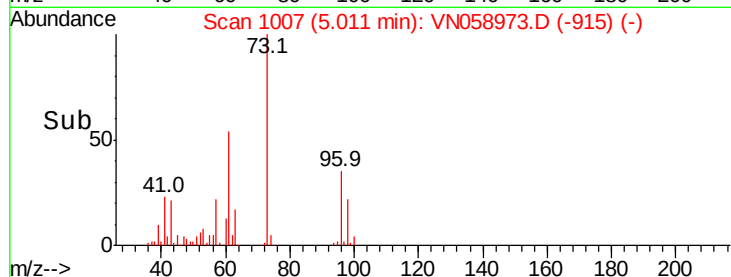
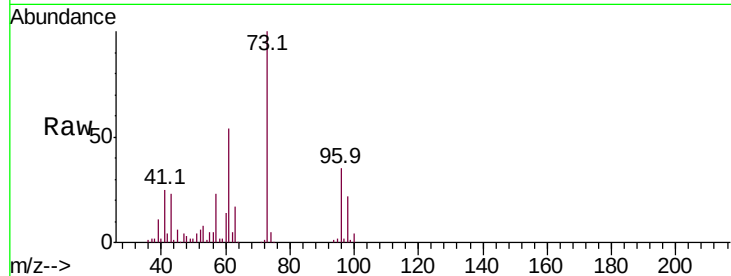
#19
Methyl tert-butyl Ether
Concen: 52.671 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.9	26.9

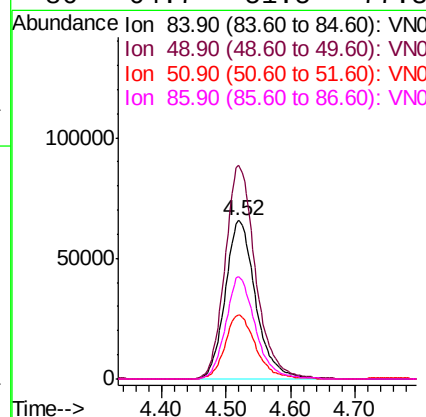
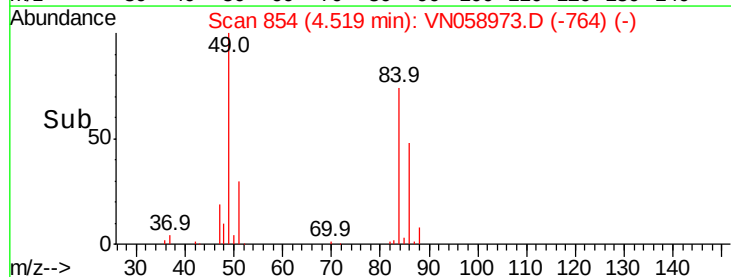
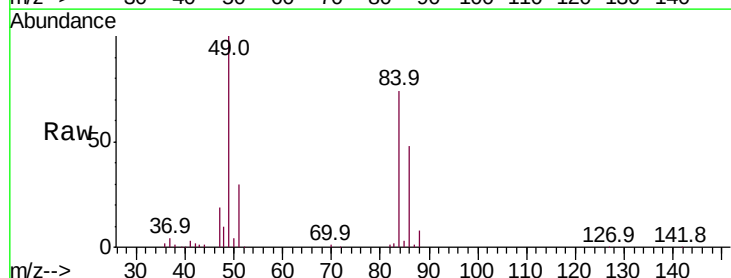
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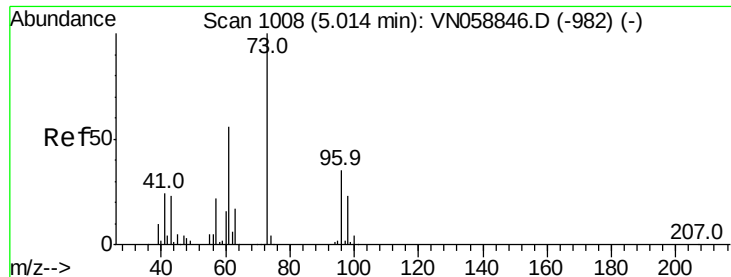
MMDadoda
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#20
Methylene Chloride
Concen: 48.177 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.01 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.8	109.6	164.4
51	40.3	33.8	50.6
86	64.7	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 50.225 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.01 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 197558

Ion Ratio Lower Upper

96 100

61 155.7 126.7 190.1

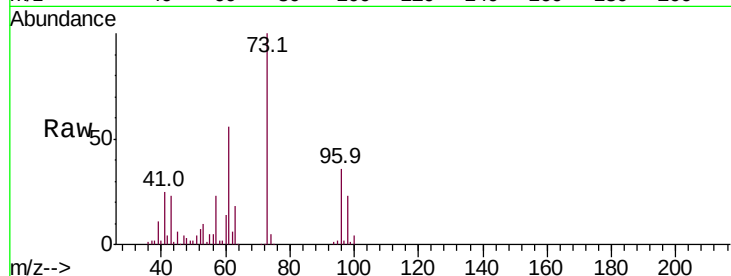
98 62.5 52.0 78.0

Manual Integrations

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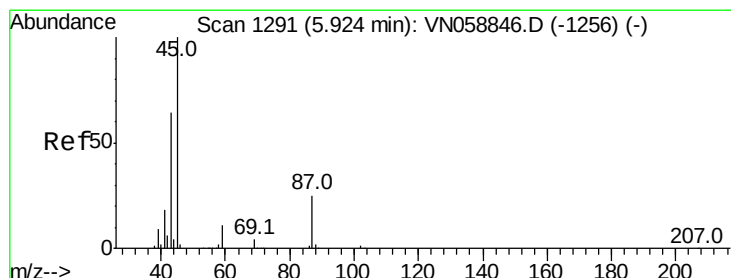
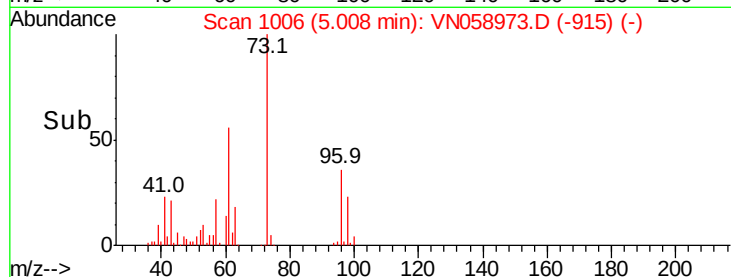
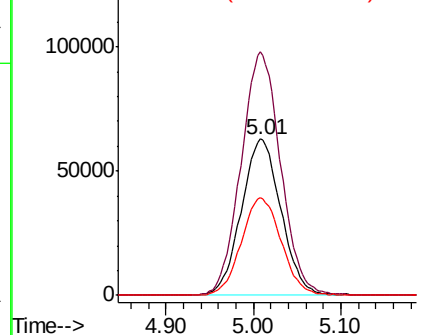
10/28/2019 9:47:51 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 53.973 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Tgt Ion: 45 Resp: 760872

Ion Ratio Lower Upper

45 100

43 63.2 52.9 79.3

87 24.6 20.2 30.4

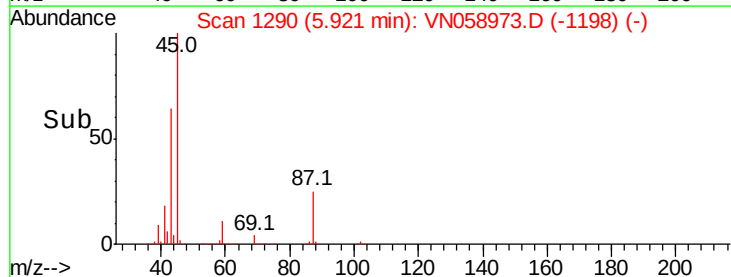
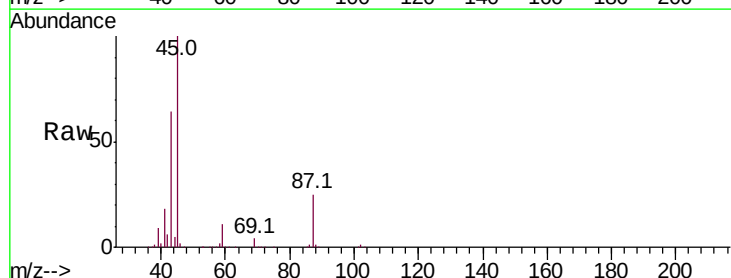
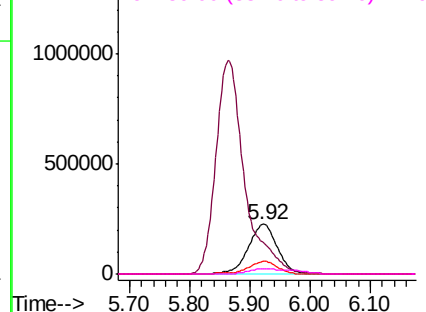
59 11.0 8.8 13.2

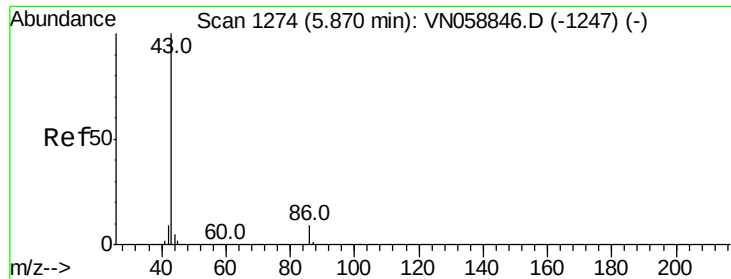
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 282.448 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 3199036

Ion Ratio Lower Upper

43 100

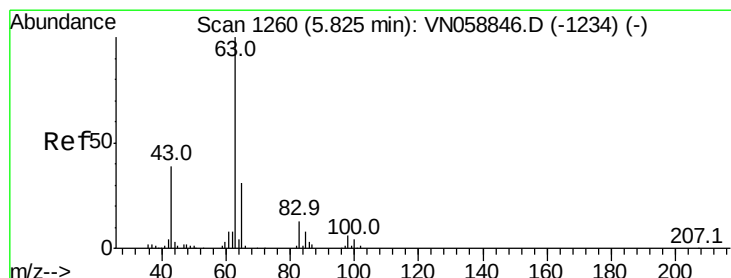
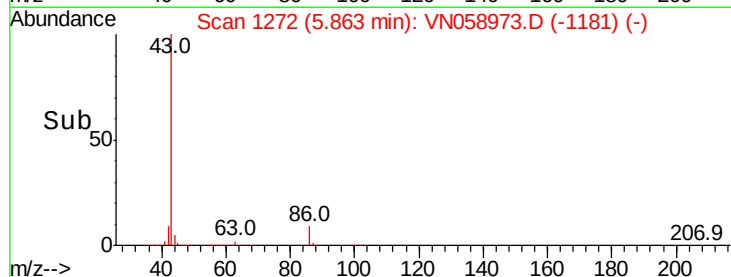
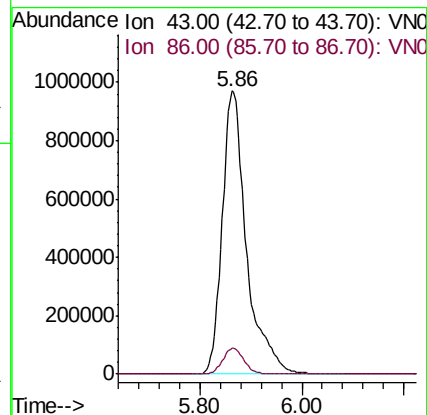
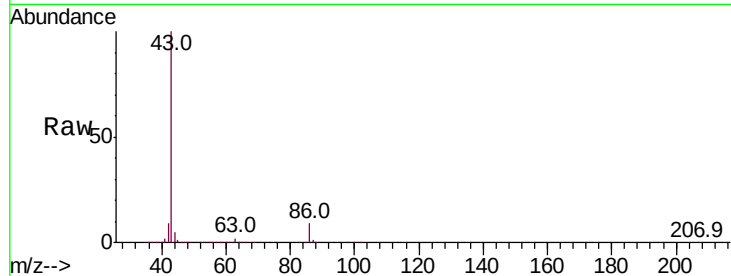
86 9.2 7.2 10.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.061 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.01 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

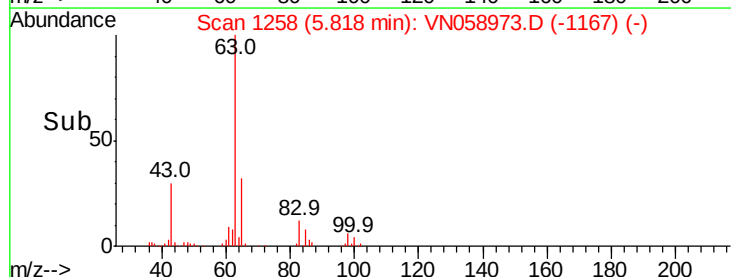
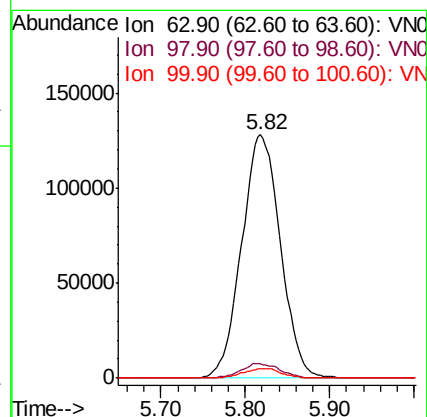
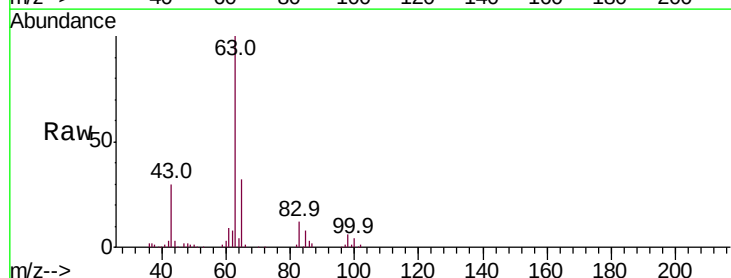
Tgt Ion: 63 Resp: 409211

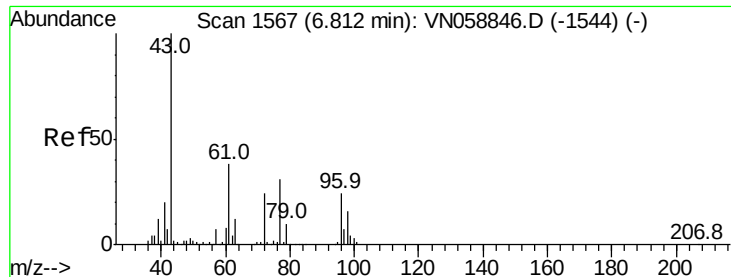
Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 263.034 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 894061

Ion Ratio Lower Upper

43 100

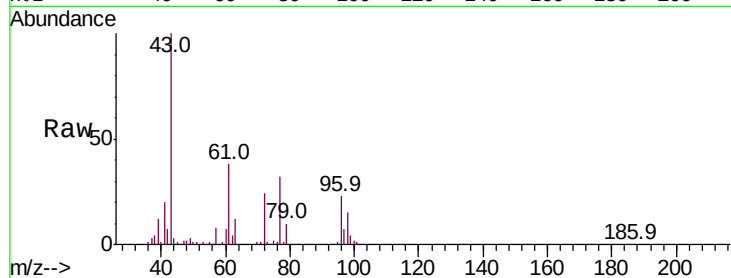
72 24.3 19.1 28.7

Manual Integrations

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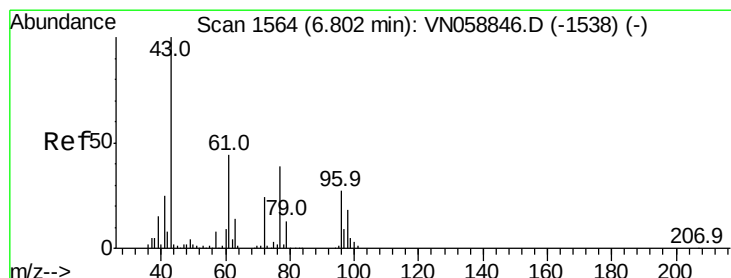
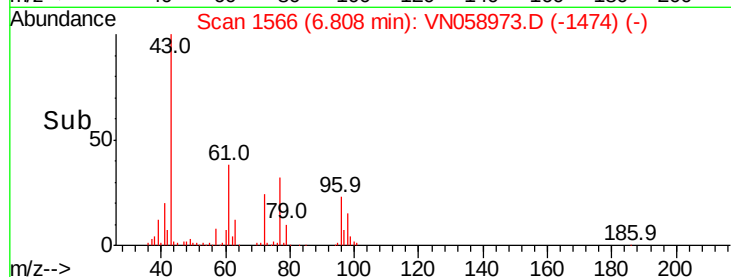
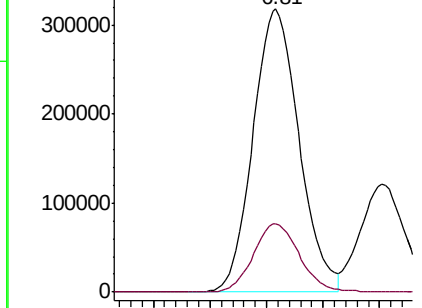
MMDadoda

10/28/2019 9:47:51 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 51.056 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN058973.D

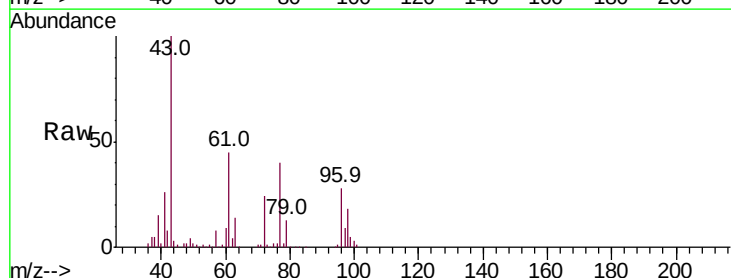
Acq: 25 Oct 2019 9:08

Tgt Ion: 77 Resp: 360989

Ion Ratio Lower Upper

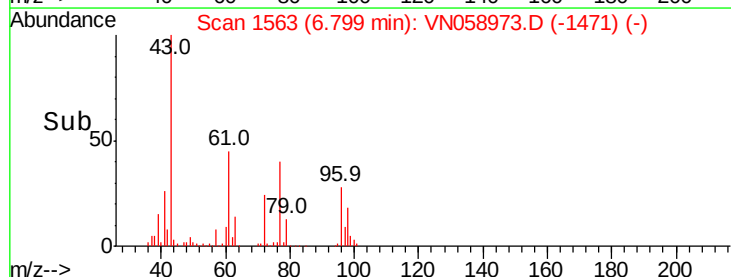
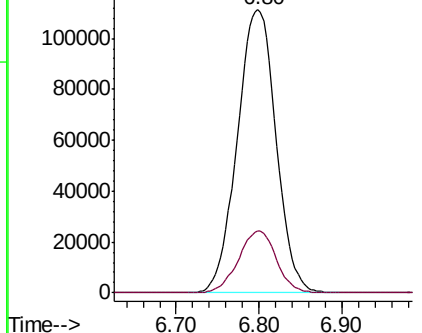
77 100

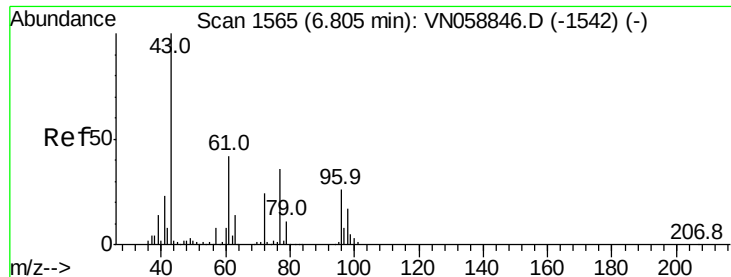
97 21.3 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





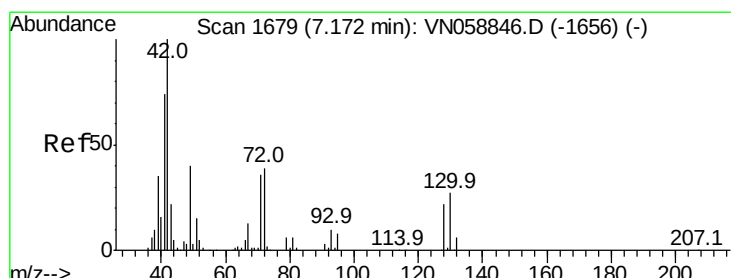
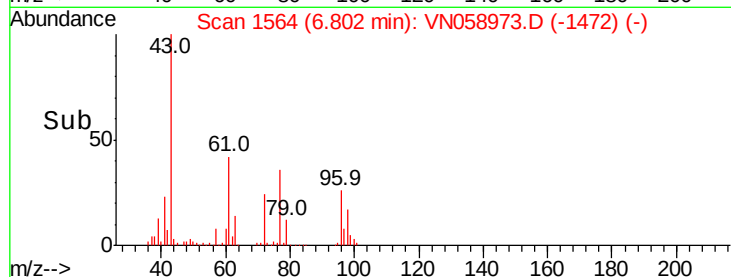
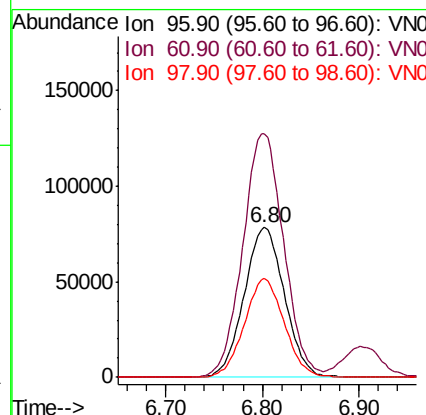
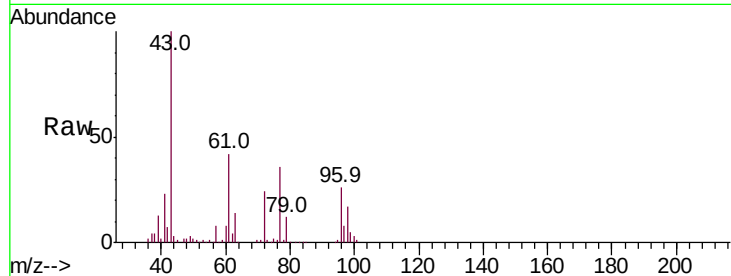
#27
 cis-1,2-Dichloroethene
 Concen: 50.732 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	227957		
61	164.2		0.0	325.0
98	65.0		0.0	128.0

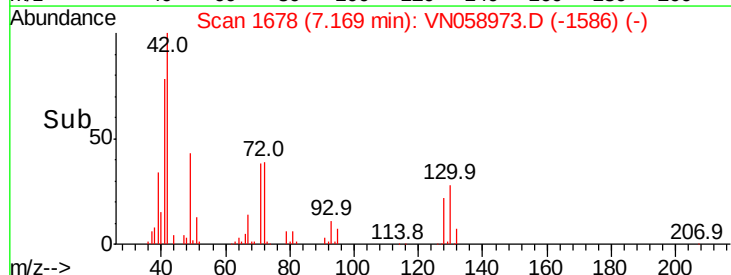
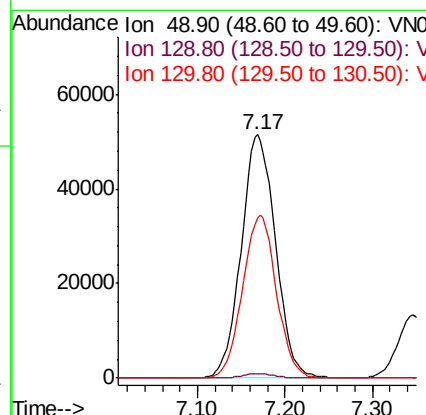
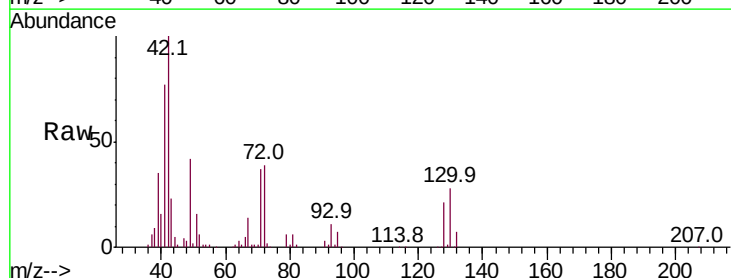
Manual Integrations
 APPROVED

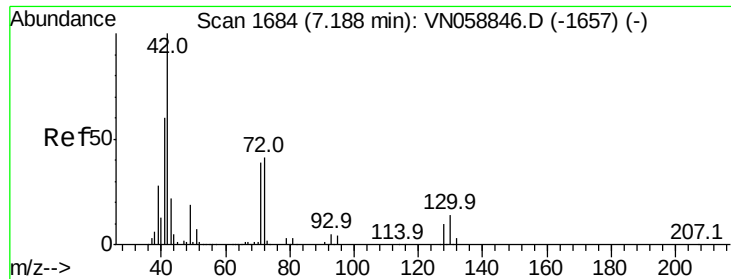
MMDadoda
 10/28/2019 9:47:51 AM



#28
 Bromochloromethane
 Concen: 51.441 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	140039		
129	1.7		0.0	3.2
130	65.9		53.5	80.3





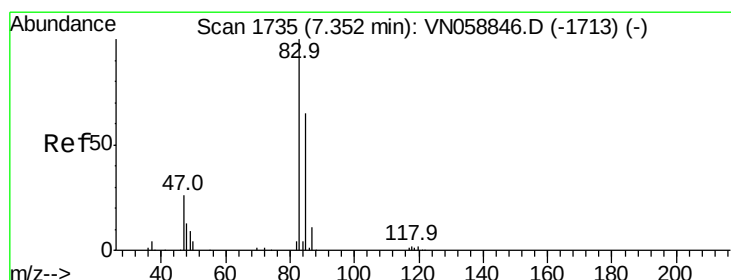
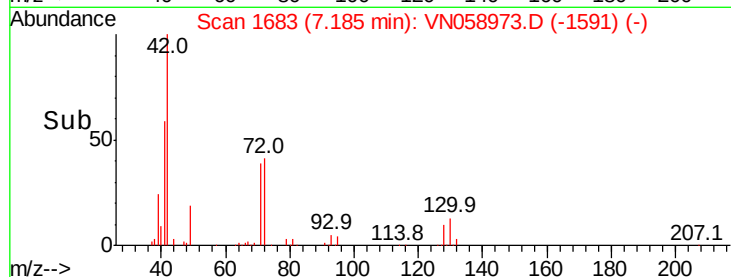
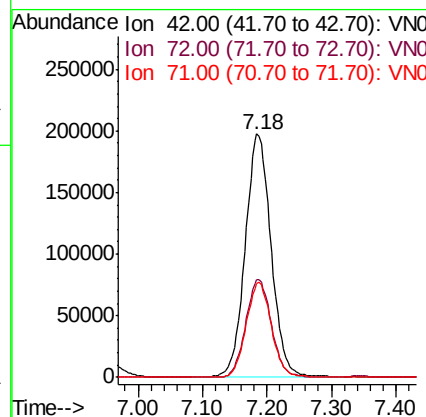
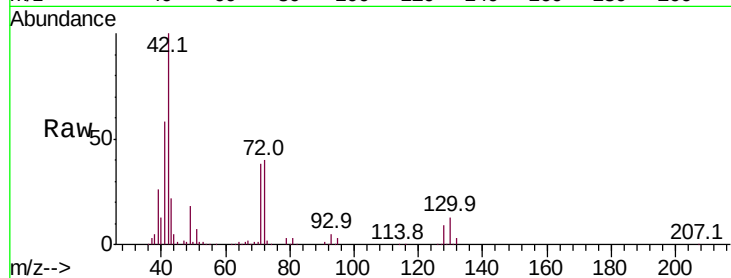
#29
Tetrahydrofuran
Concen: 264.816 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.2	48.2
71	38.0	30.6	45.8

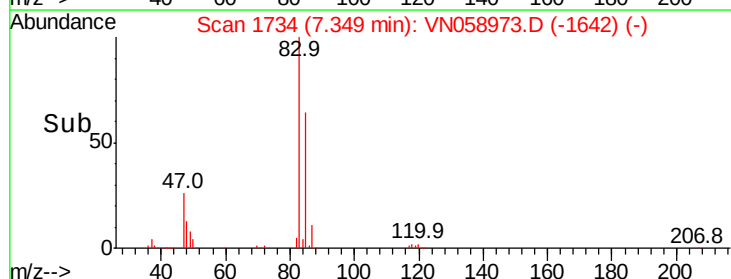
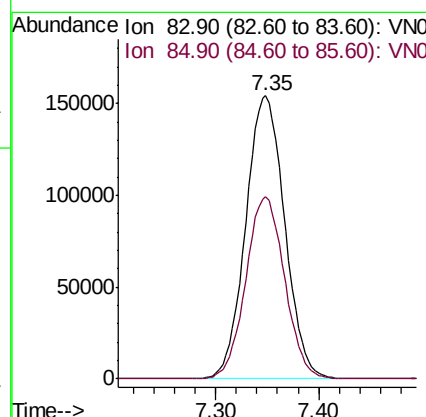
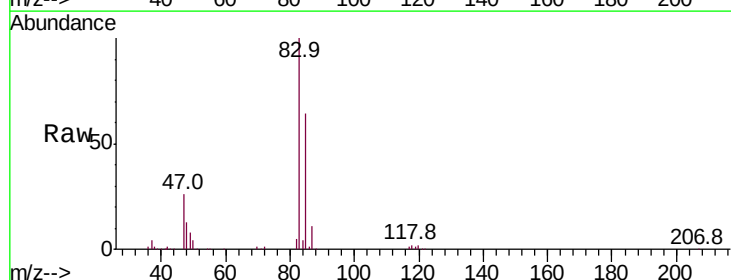
Manual Integrations
APPROVED

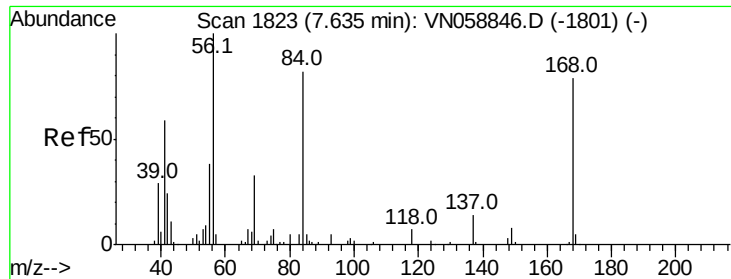
MMDadoda
10/28/2019 9:47:51 AM



#30
Chloroform
Concen: 49.476 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.9	77.9





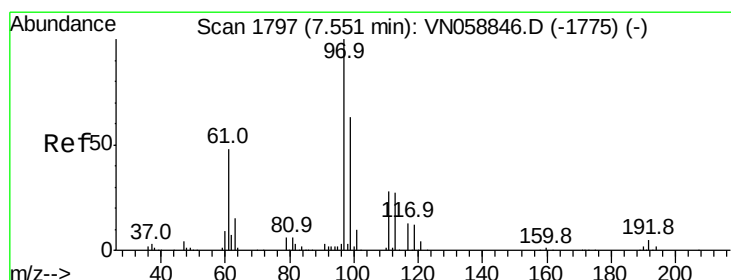
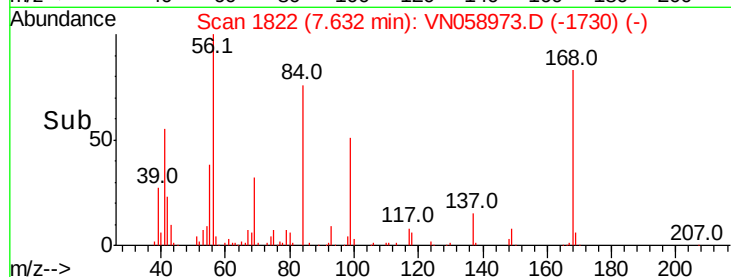
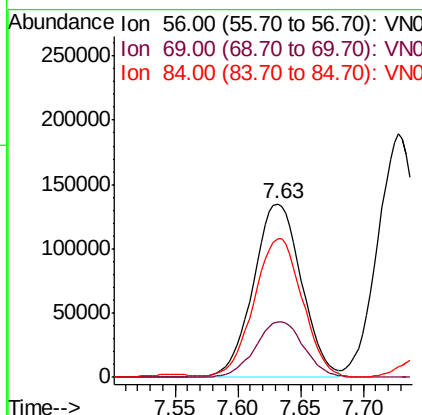
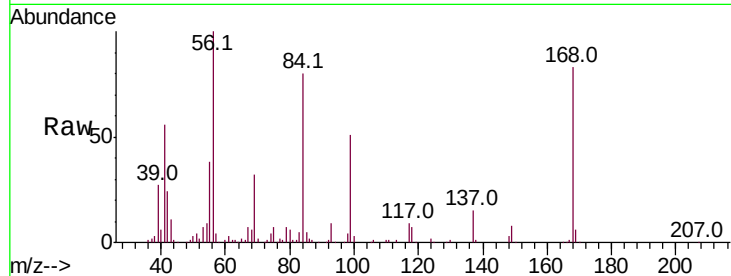
#31
Cyclohexane
Concen: 47.482 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.2	39.4
84	78.8	65.6	98.4

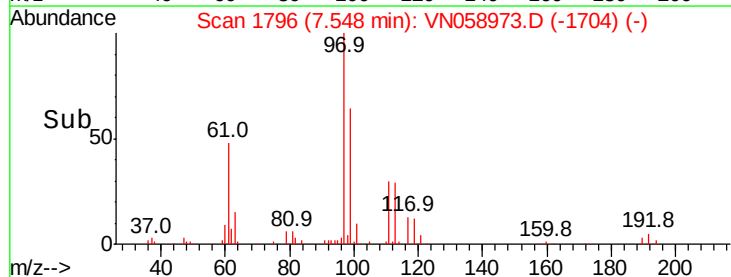
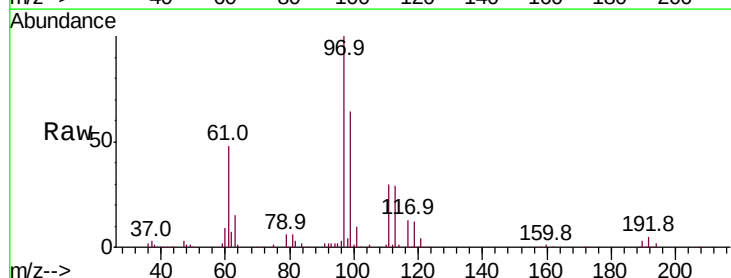
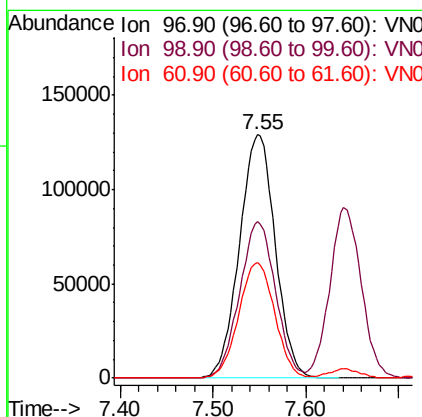
Manual Integrations
APPROVED

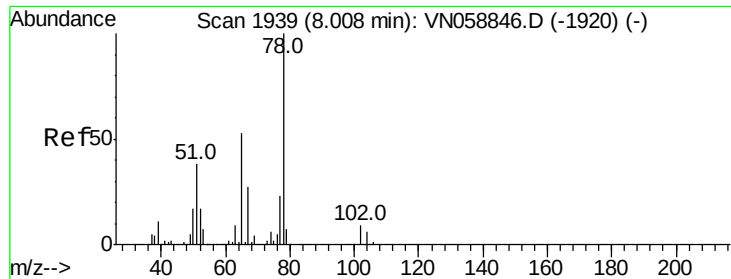
MMDadoda
10/28/2019 9:47:51 AM



#32
1,1,1-Trichloroethane
Concen: 50.034 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	47.8	38.6	58.0





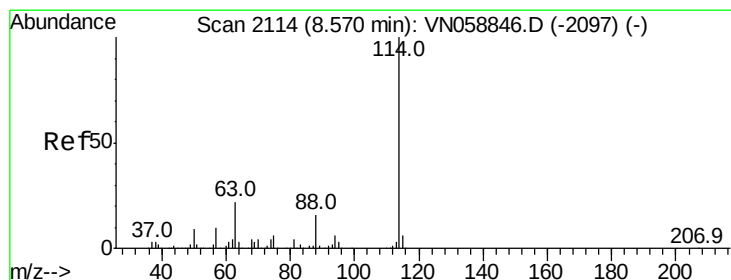
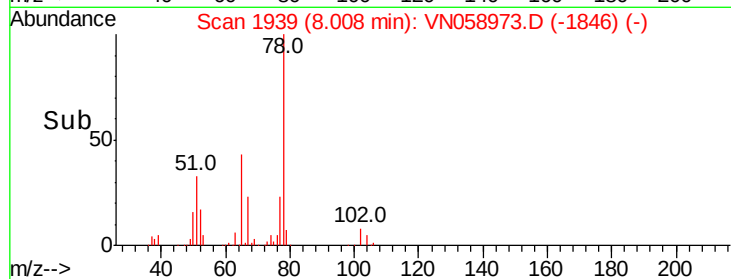
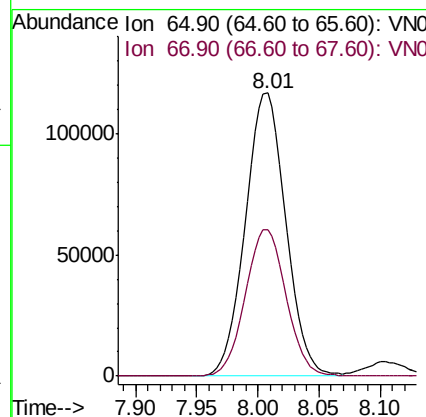
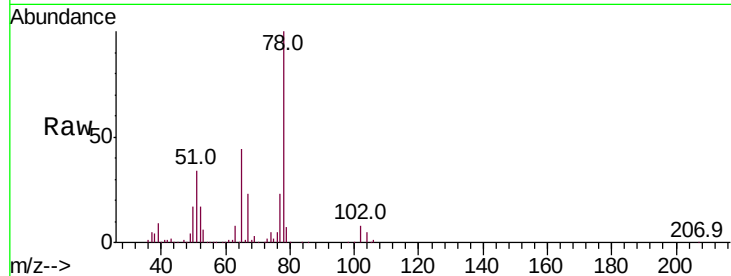
#33
 1,2-Dichloroethane-d4
 Concen: 50.541 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	267819		
67	52.3	0.0	103.2	

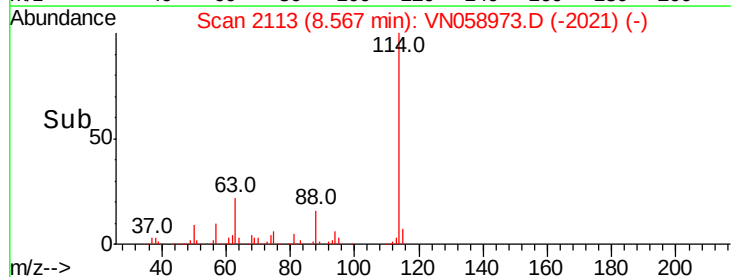
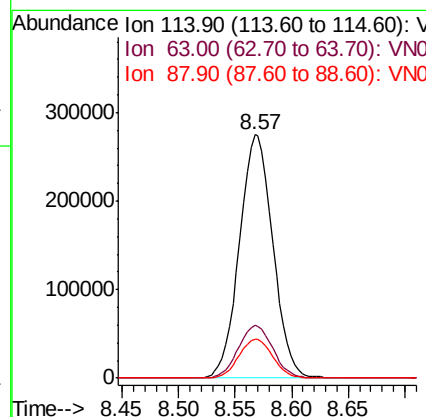
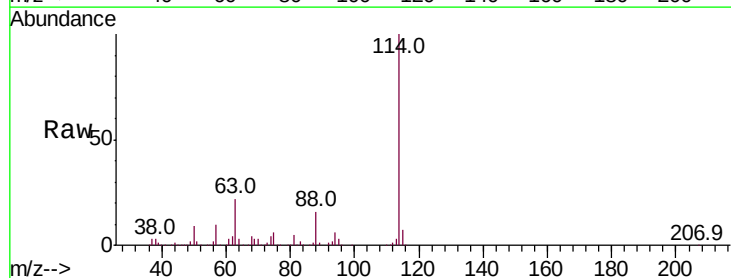
Manual Integrations
 APPROVED

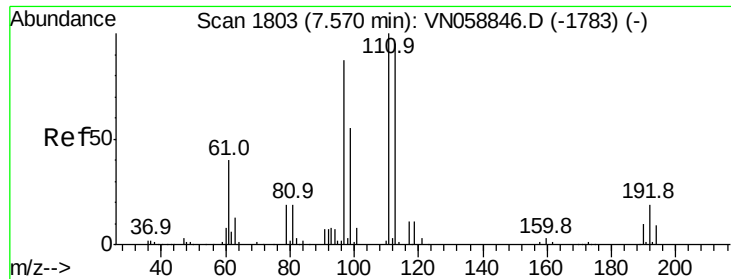
MMDadoda
 10/28/2019 9:47:51 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	567315		
63	21.5	0.0	44.4	
88	15.9	0.0	31.4	





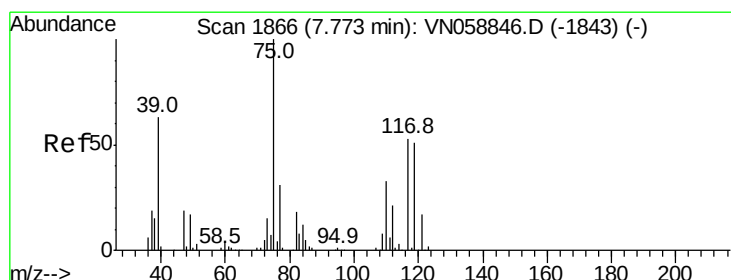
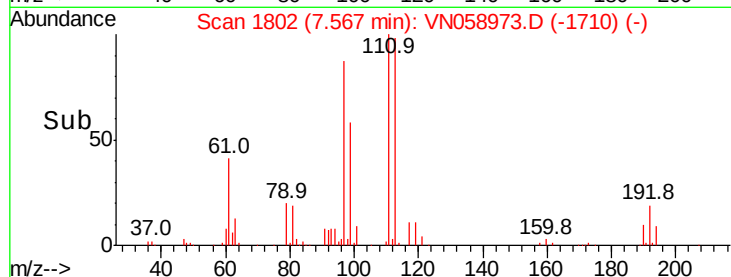
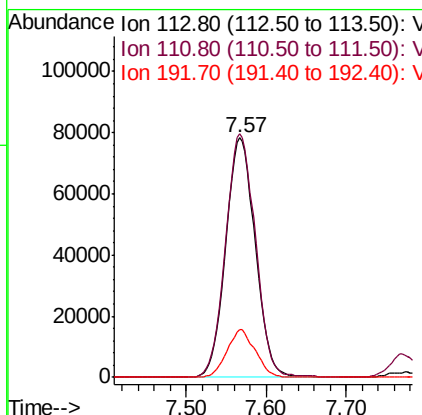
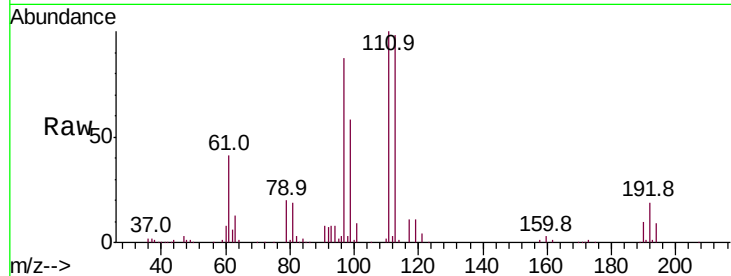
#35
Dibromofluoromethane
Concen: 52.805 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	196961		
111	102.3	82.0	123.0	
192	19.0	15.0	22.6	

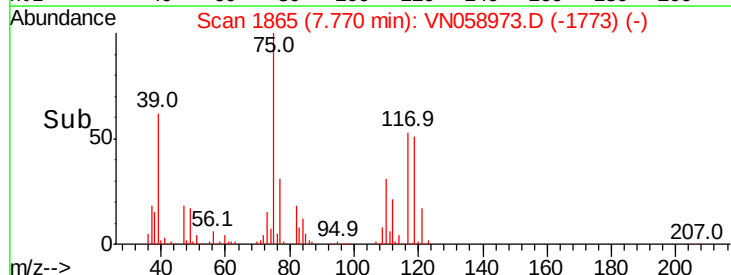
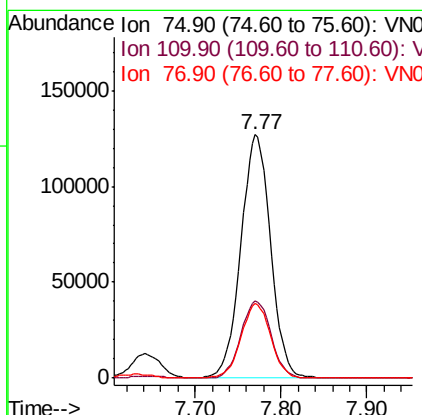
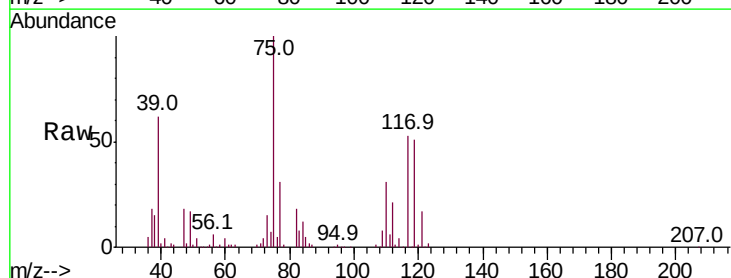
Manual Integrations
APPROVED

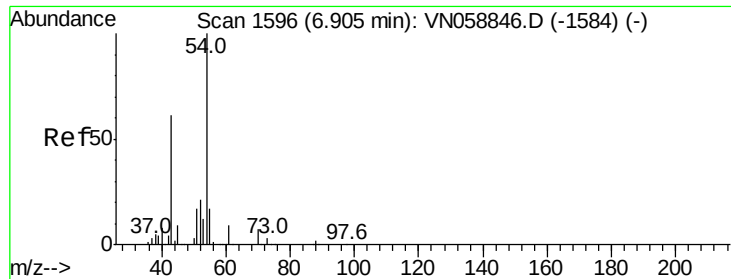
MMDadoda
10/28/2019 9:47:51 AM



#36
1,1-Dichloropropene
Concen: 52.282 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	303658		
110	32.3	16.3	48.9	
77	31.0	24.6	36.8	





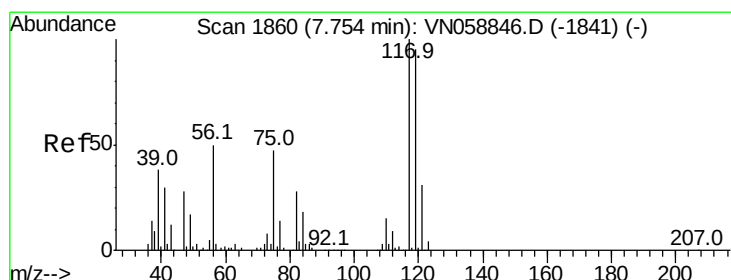
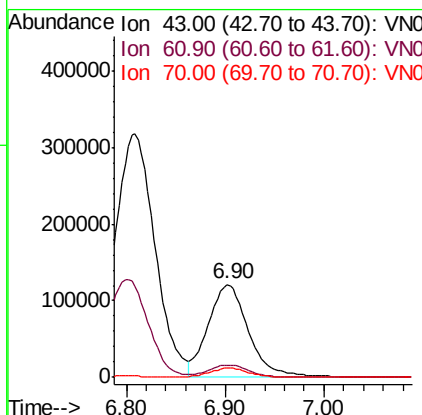
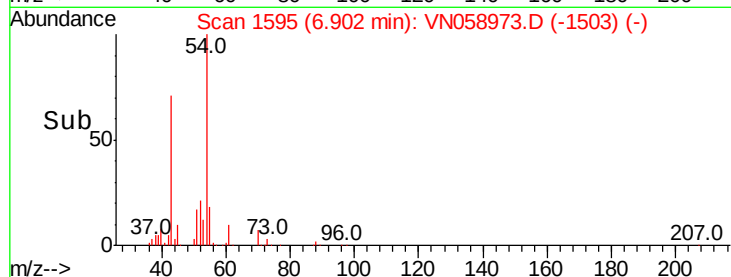
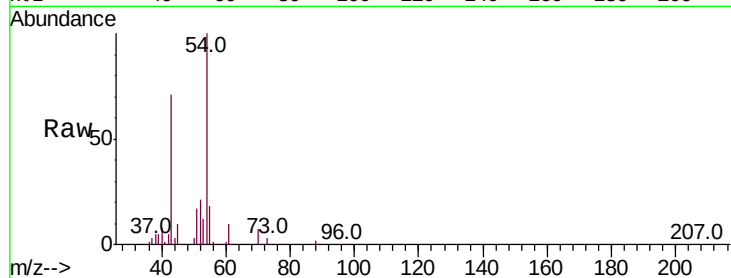
#37
Ethyl Acetate
Concen: 53.643 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	9.8	7.6	11.4

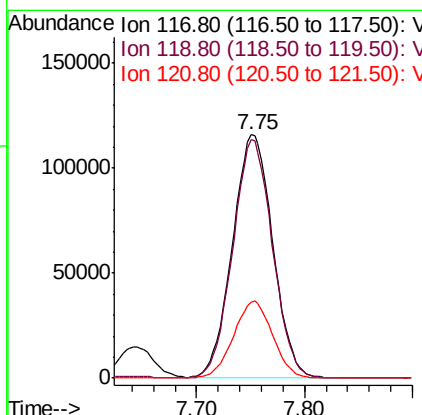
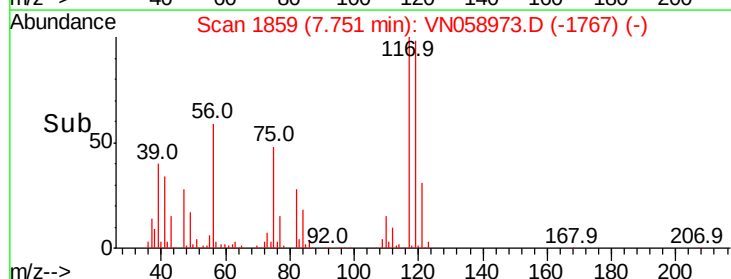
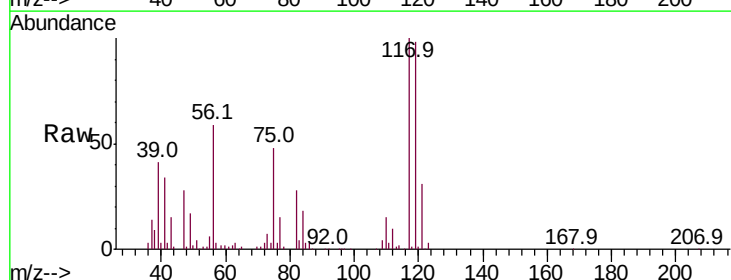
Manual Integrations
APPROVED

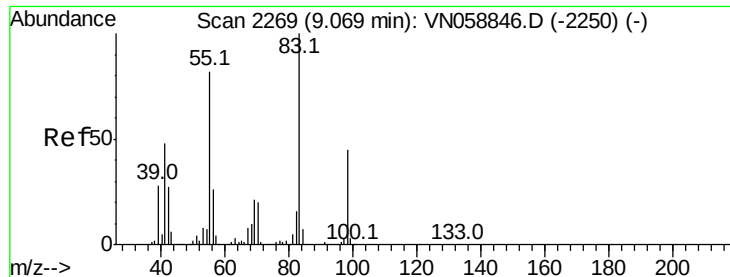
MMDadoda
10/28/2019 9:47:51 AM



#38
Carbon Tetrachloride
Concen: 50.445 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.7	113.5
121	31.2	25.0	37.6





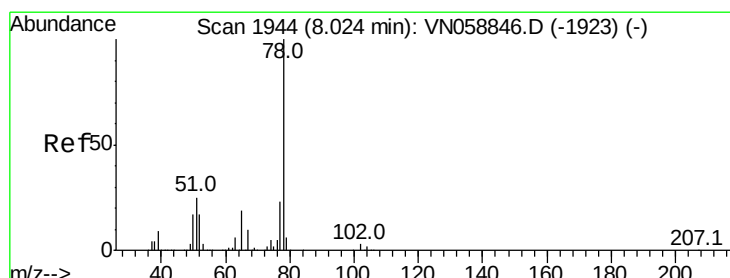
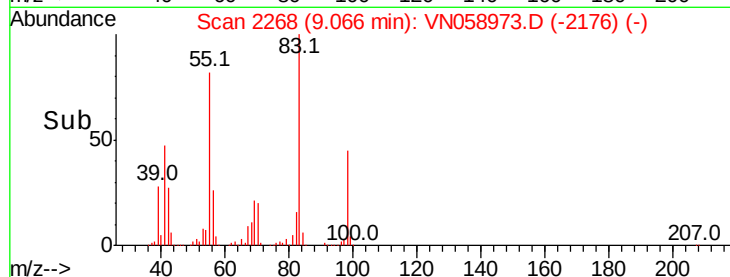
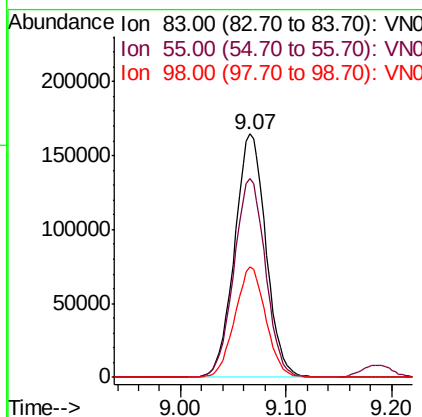
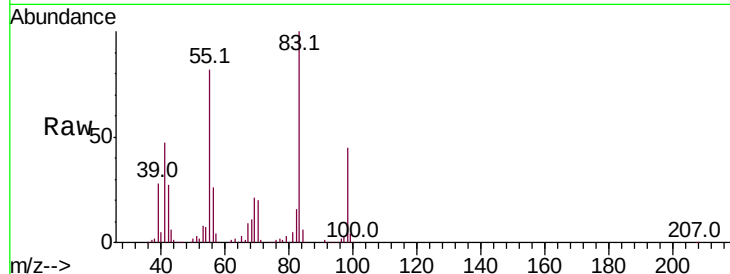
#39
Methylvlcyclohexane
Concen: 51.913 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.9	65.5	98.3	
98	45.4	35.7	53.5	

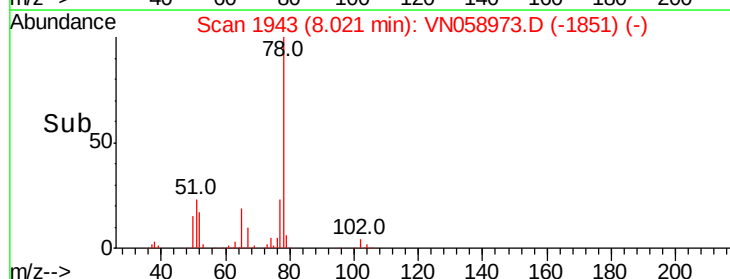
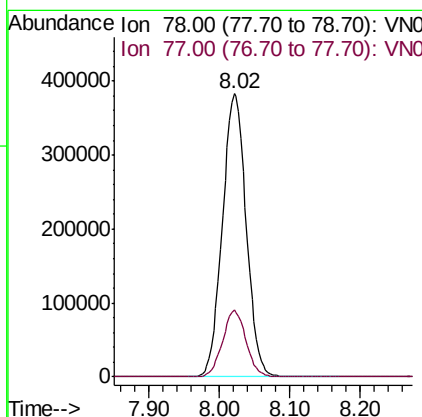
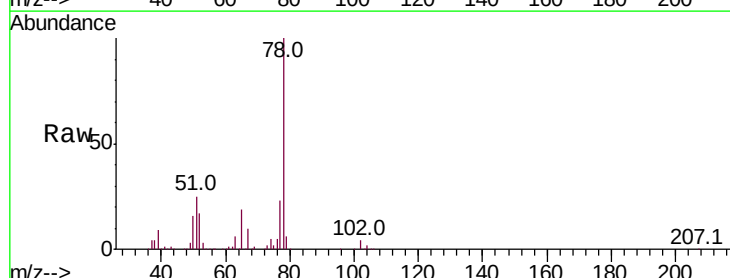
Manual Integrations
APPROVED

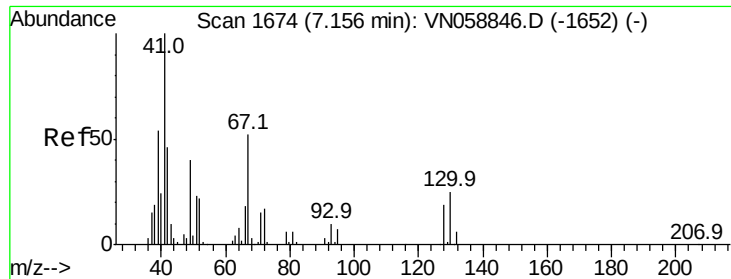
MMDadoda
10/28/2019 9:47:51 AM



#40
Benzene
Concen: 52.969 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	18.2	27.2	





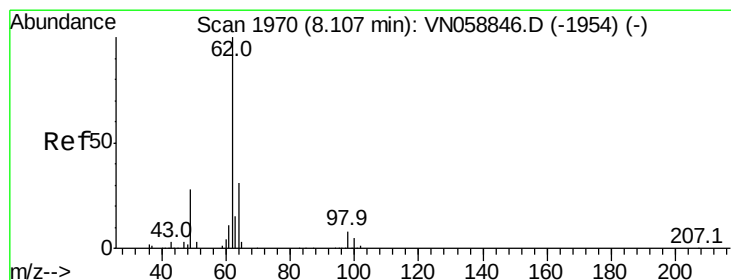
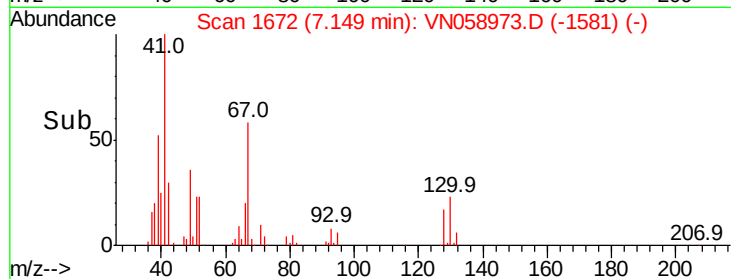
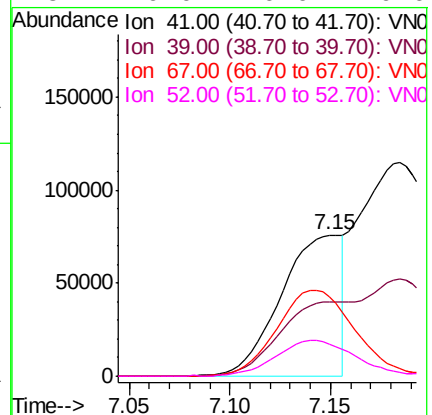
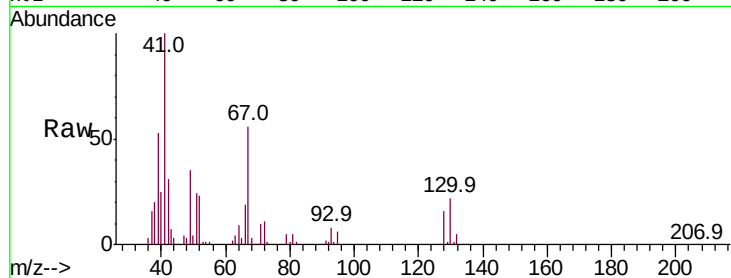
#41
Methacrylonitrile
Concen: 56.443 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp 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

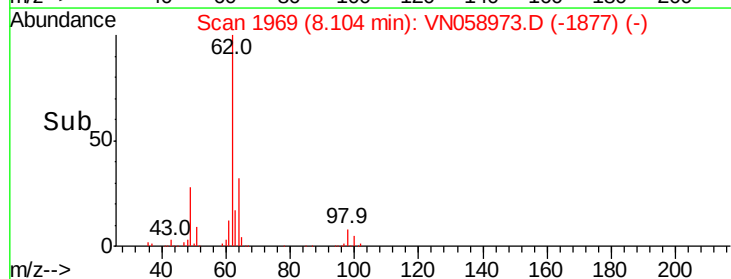
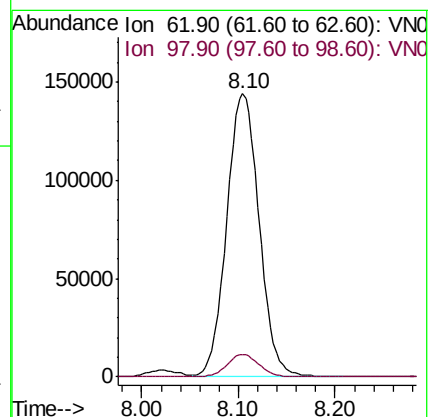
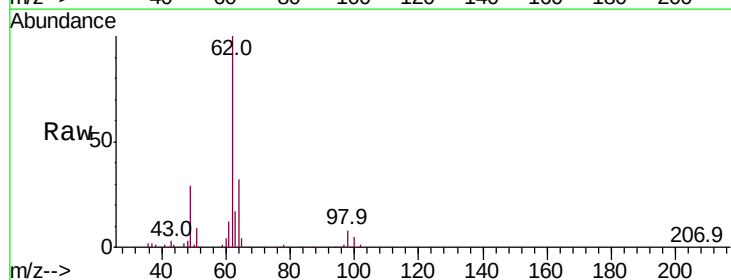
Manual Integrations
APPROVED

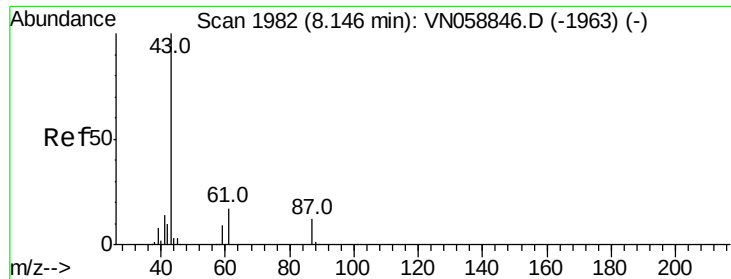
MMDadoda
10/28/2019 9:47:51 AM



#42
1,2-Dichloroethane
Concen: 50.976 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Resp Lower	Upper
62	100		
98	7.9	0.0	16.2





#43

Isopropyl Acetate

Concen: 53.745 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

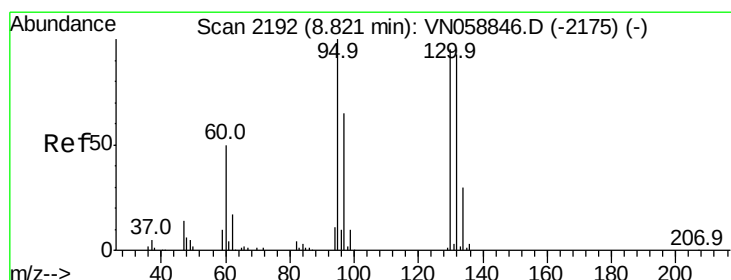
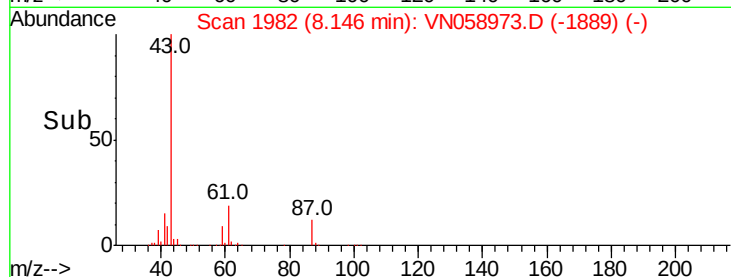
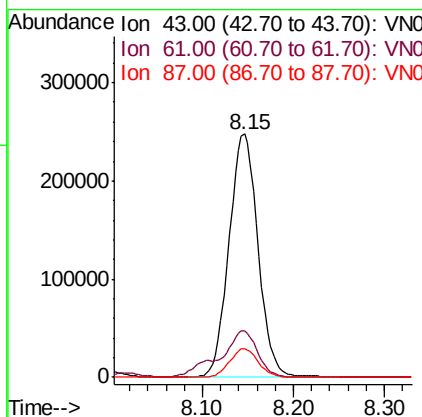
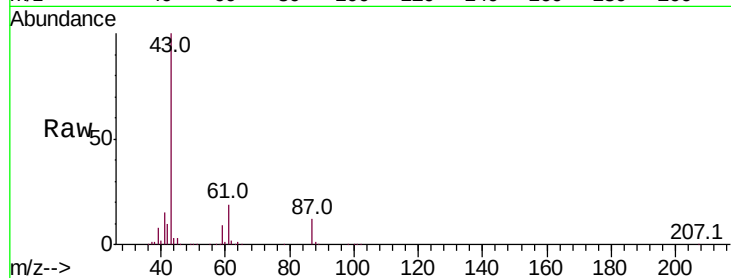
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	545496
Ion Ratio	Lower	Upper	
43	100		
61	24.8	20.2	30.2
87	11.7	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 51.814 ug/l

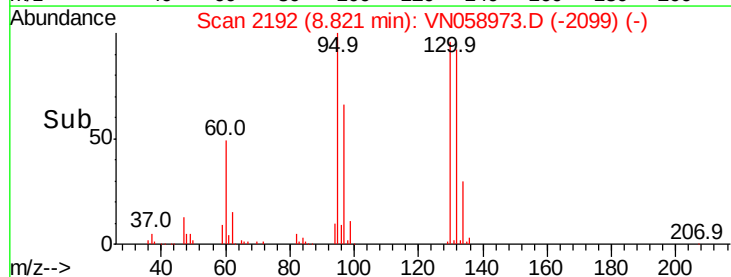
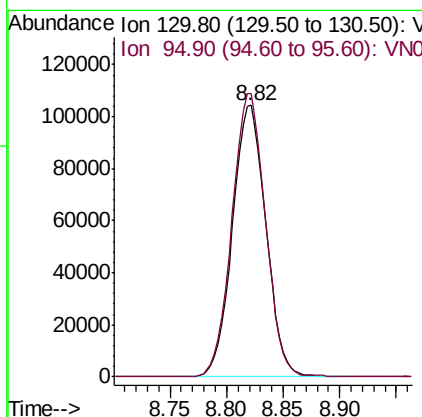
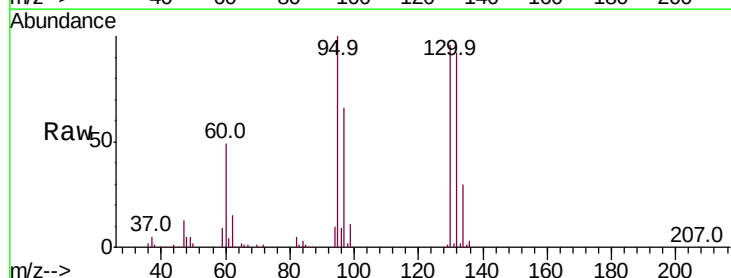
RT: 8.82 min Scan# 2192

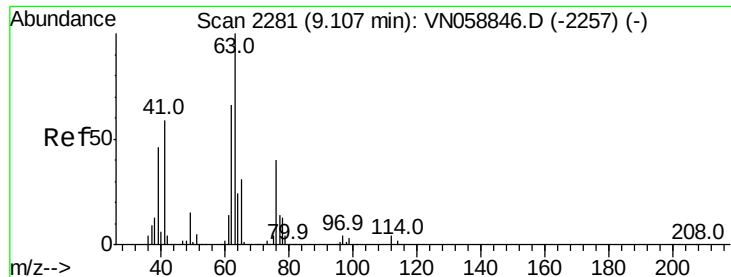
Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Tgt Ion:	130	Resp:	215271
Ion Ratio	Lower	Upper	
130	100		
95	104.1	0.0	209.6





#45

1,2-Dichloropropane

Concen: 53.704 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 251164

Ion Ratio Lower Upper

63 100

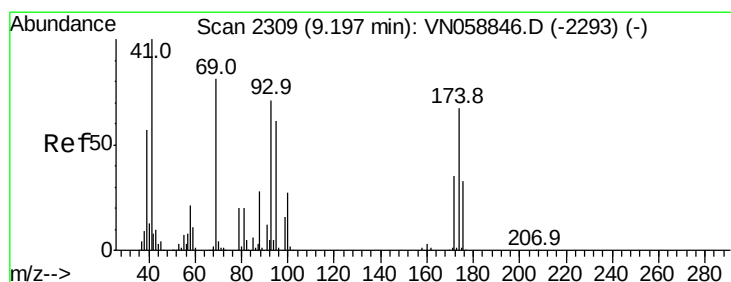
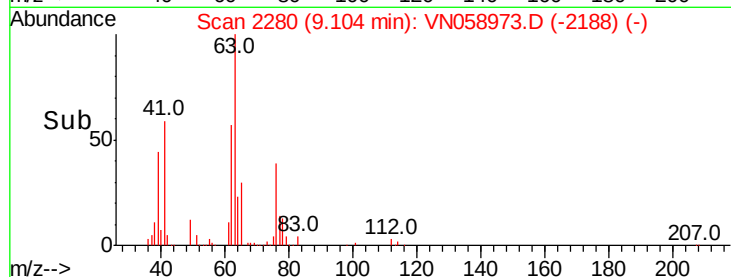
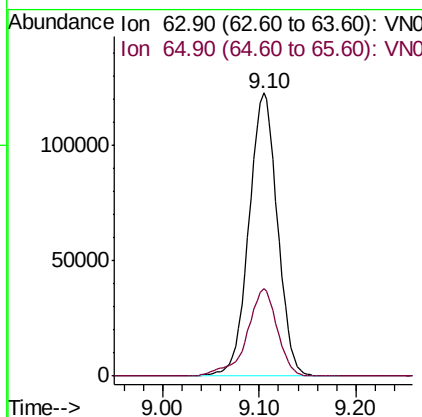
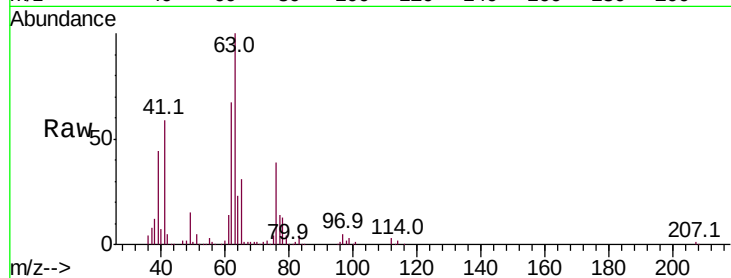
65 30.8 24.5 36.7

Manual Integrations

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MMDadoda

10/28/2019 9:47:51 AM



#46

Dibromomethane

Concen: 51.738 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

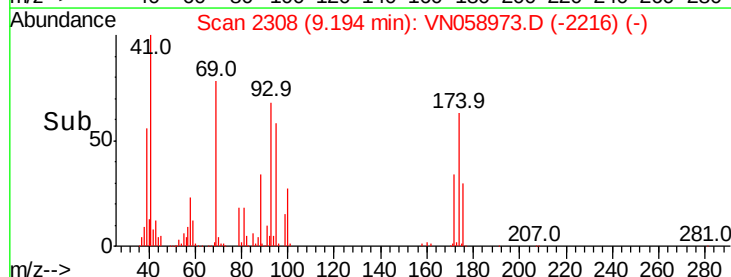
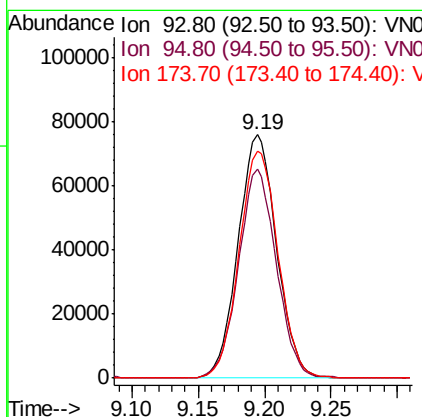
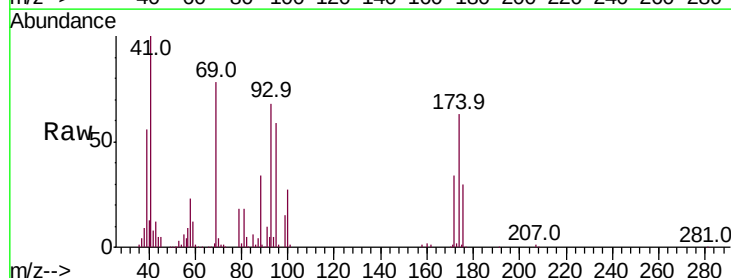
Tgt Ion: 93 Resp: 152970

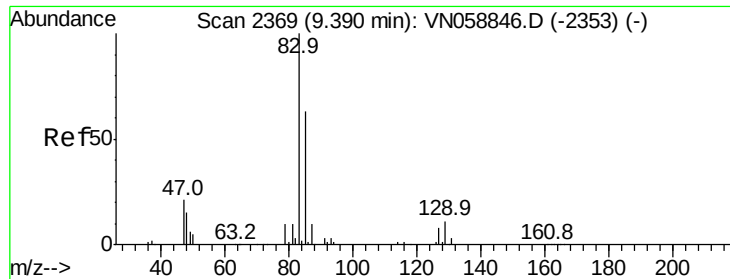
Ion Ratio Lower Upper

93 100

95 84.8 67.6 101.4

174 94.6 74.1 111.1





#47

Bromodichloromethane

Concen: 53.583 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

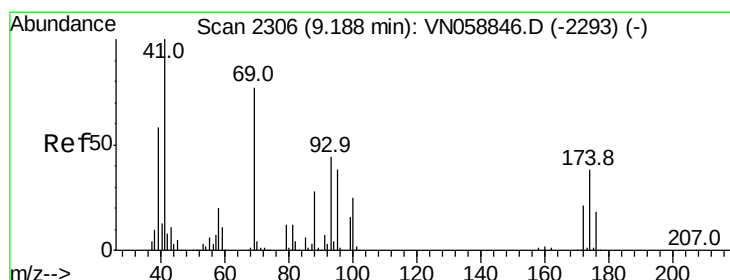
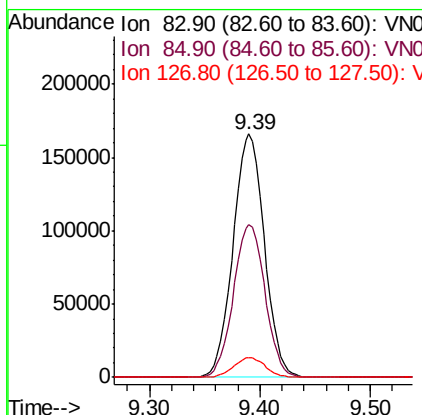
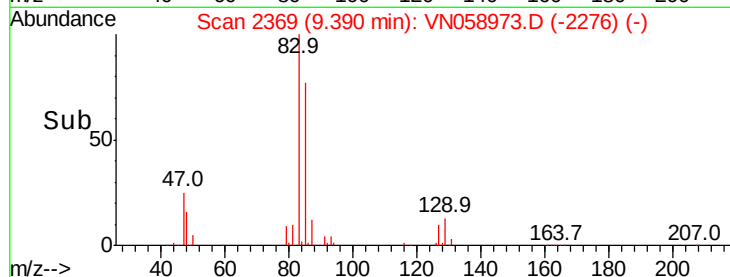
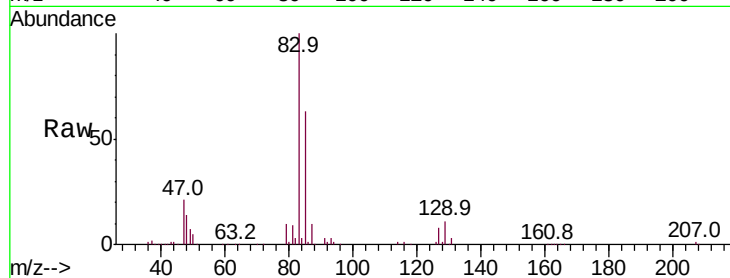
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	326521
Ion Ratio	Lower	Upper	
83	100		
85	62.9	50.6	75.8
127	8.1	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.623 ug/l

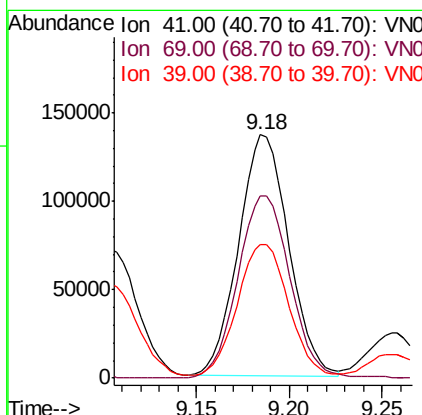
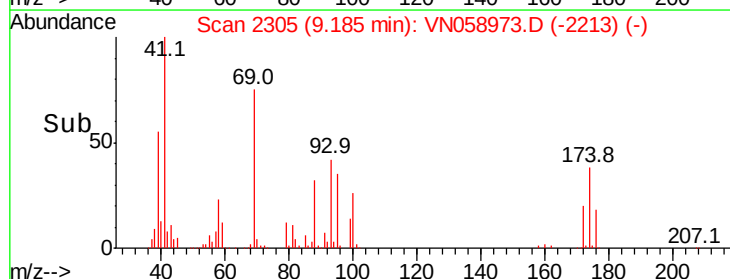
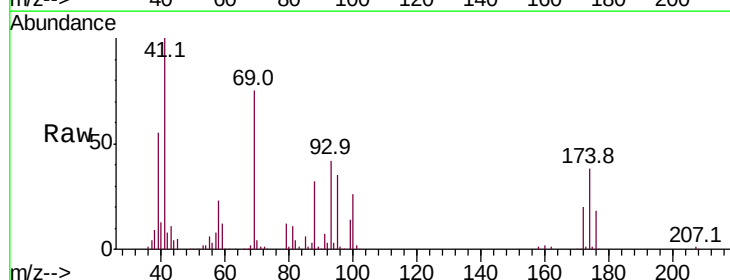
RT: 9.18 min Scan# 2305

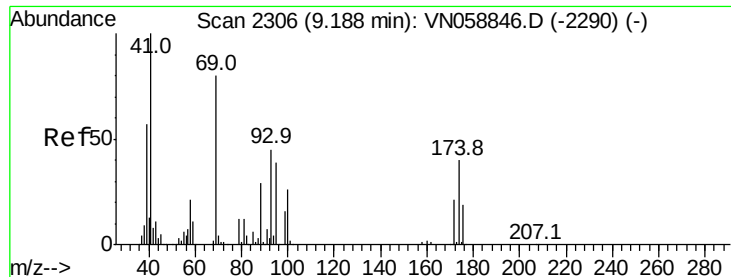
Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Tgt Ion:	41	Resp:	256140
Ion Ratio	Lower	Upper	
41	100		
69	79.5	63.8	95.6
39	57.3	47.8	71.8





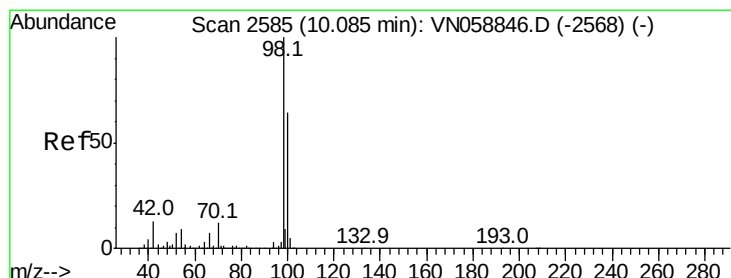
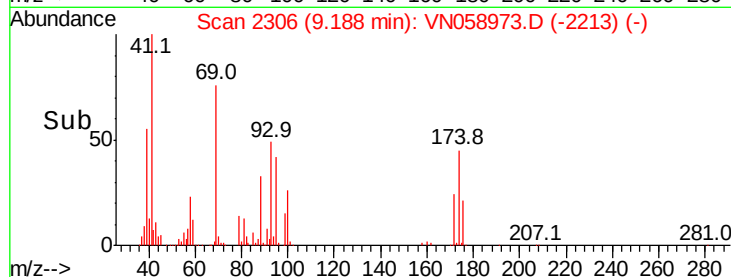
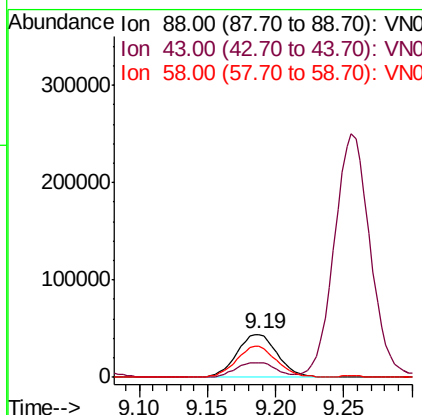
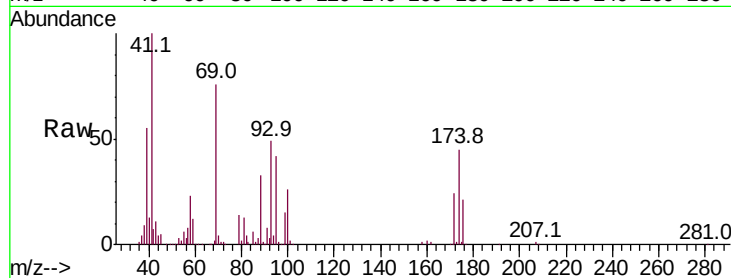
#49
1,4-Dioxane
Concen: 1217.215 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	29.1	43.7
58	71.7	59.4	89.0

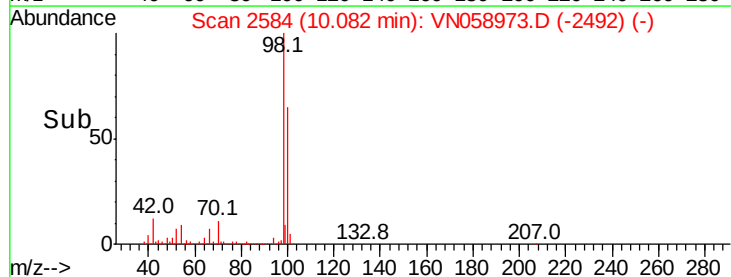
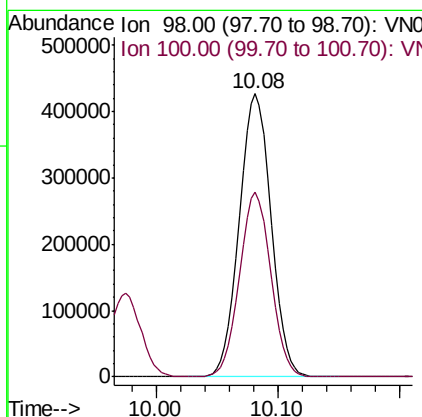
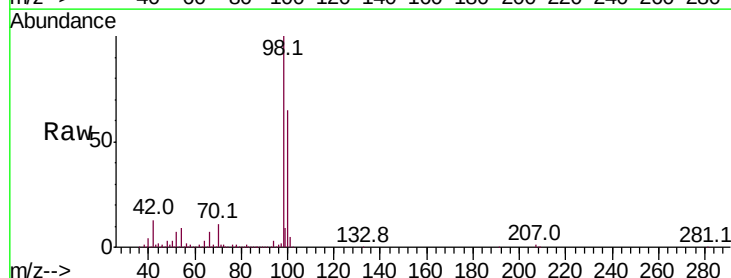
Manual Integrations
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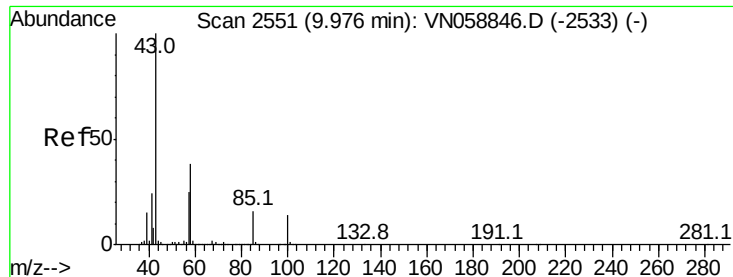
MMDadoda
10/28/2019 9:47:51 AM



#50
Toluene-d8
Concen: 53.060 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 292.080 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1731568

Ion Ratio Lower Upper

43 100

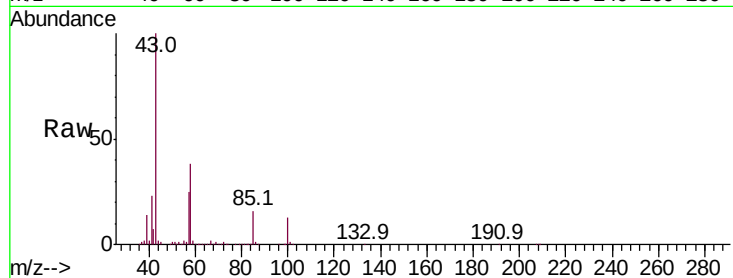
58 38.0 29.9 44.9

Manual Integrations

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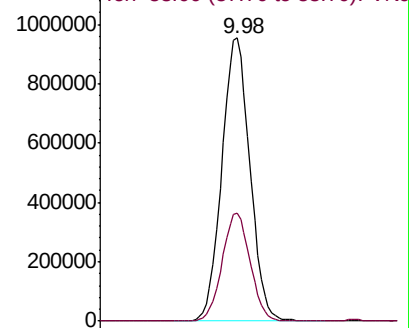
MMDadoda

10/28/2019 9:47:51 AM

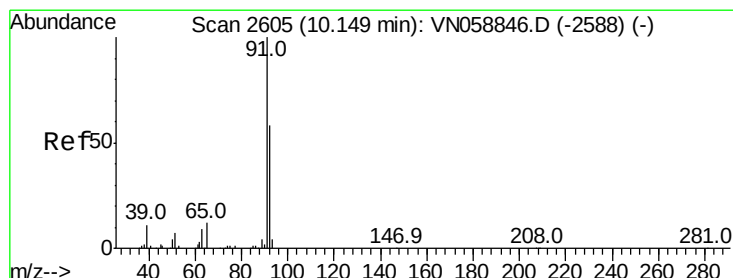
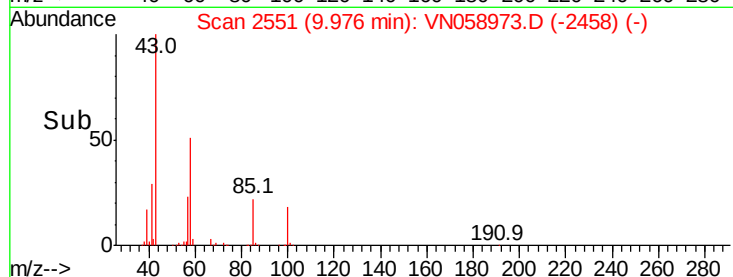


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 55.586 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058973.D

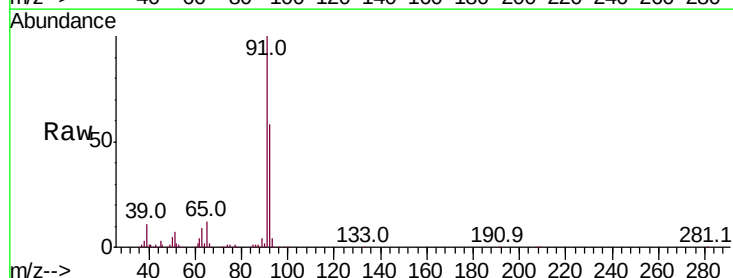
Acq: 25 Oct 2019 9:08

Tgt Ion: 92 Resp: 562201

Ion Ratio Lower Upper

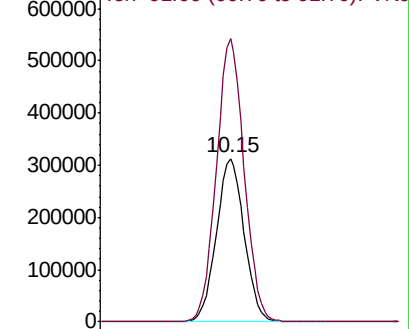
92 100

91 173.5 138.9 208.3

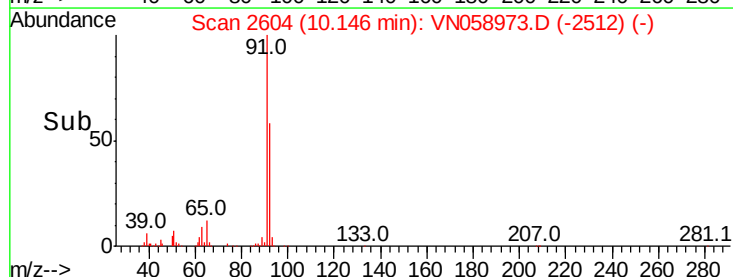


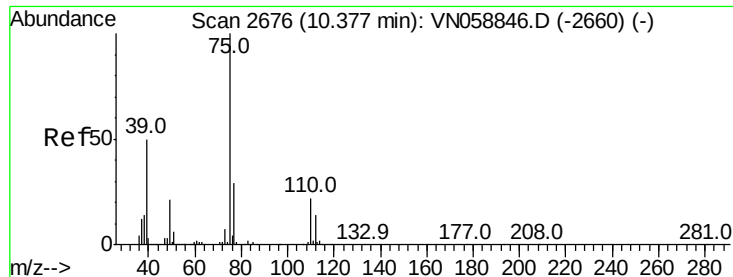
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





#53

t-1,3-Dichloropropene

Concen: 54.922 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 370499

Ion Ratio Lower Upper

75 100

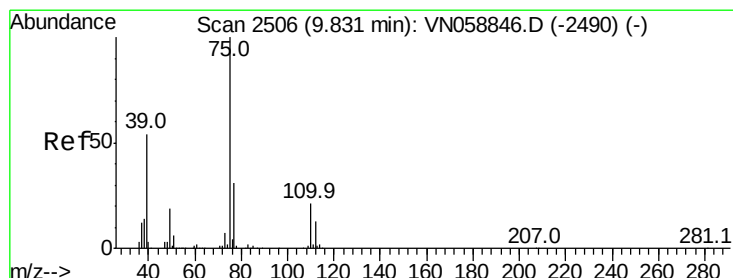
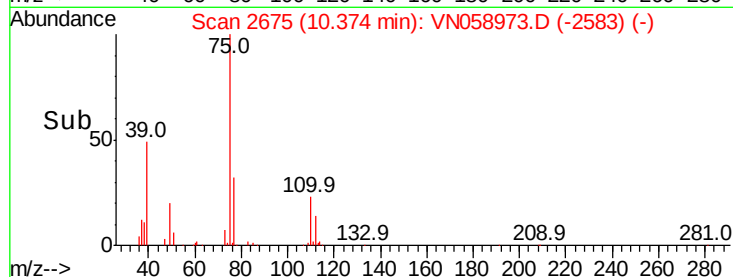
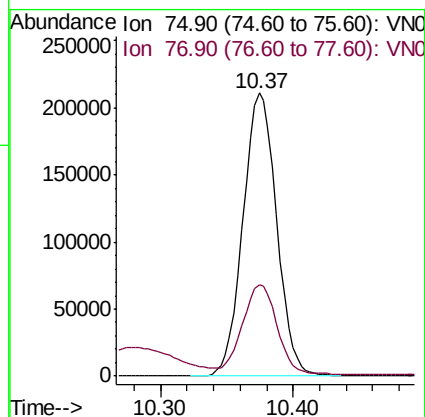
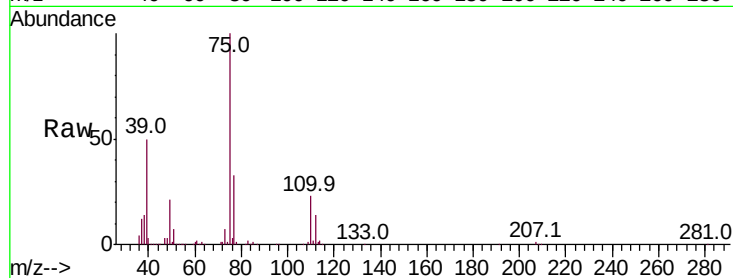
77 31.8 25.7 38.5

Manual Integrations

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10/28/2019 9:47:51 AM



#54

cis-1,3-Dichloropropene

Concen: 55.410 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

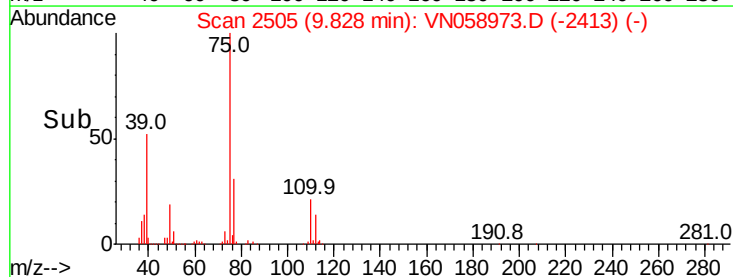
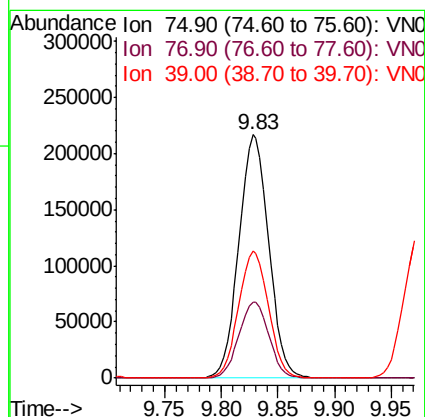
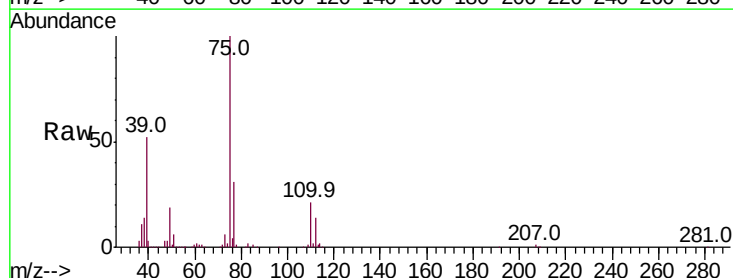
Tgt Ion: 75 Resp: 399349

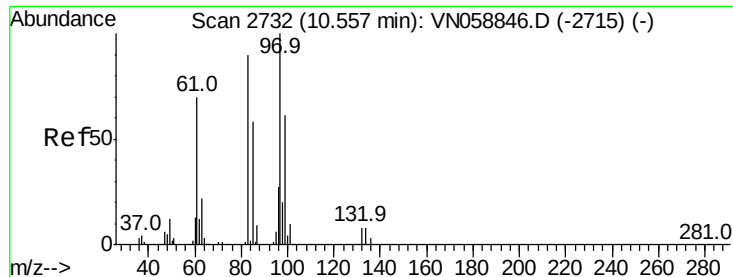
Ion Ratio Lower Upper

75 100

77 31.4 24.7 37.1

39 52.1 43.5 65.3





#55

1,1,2-Trichloroethane

Concen: 53.619 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

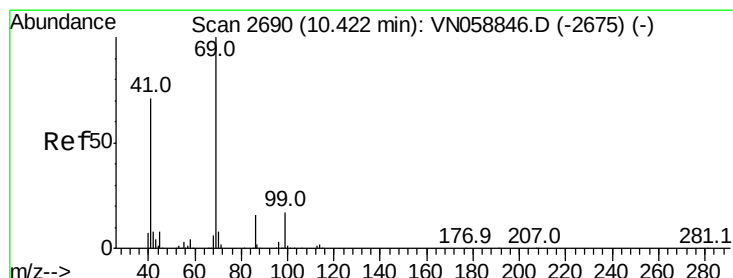
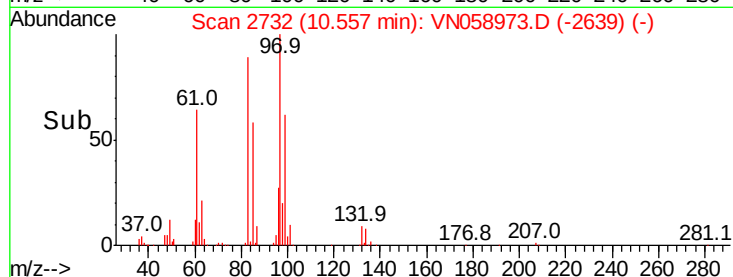
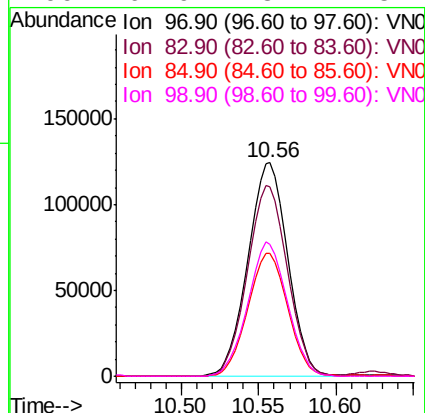
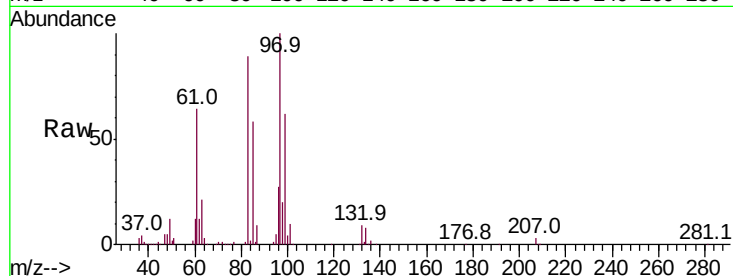
ClientSampleId :

VSTDCCC050

Tot Ion	97	Resp	223406
Ion Ratio	Lower	Upper	
97	100		
83	89.0	72.2	108.4
85	57.8	46.2	69.2
99	61.9	48.7	73.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 50.562 ug/l

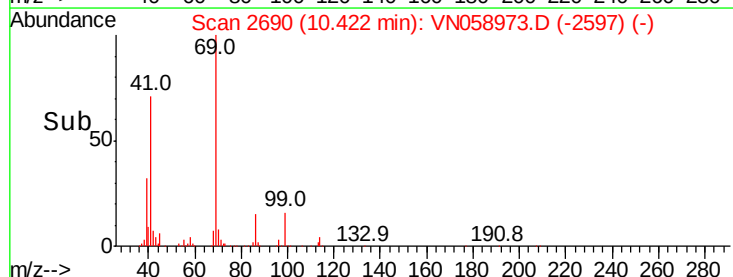
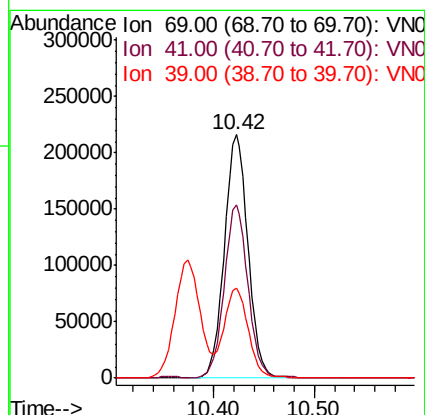
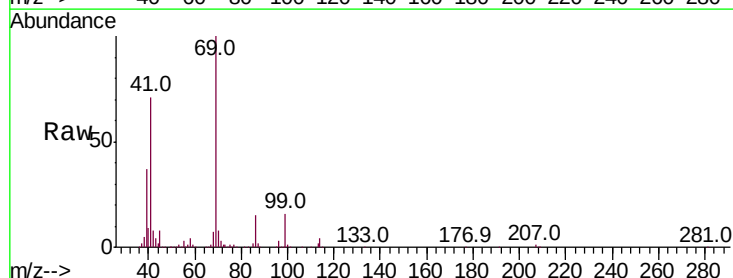
RT: 10.42 min Scan# 2690

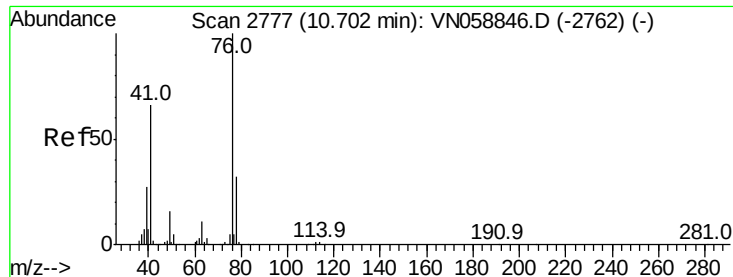
Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Tgt Ion	69	Resp	354050
Ion Ratio	Lower	Upper	
69	100		
41	70.5	57.2	85.8
39	37.6	31.0	46.4





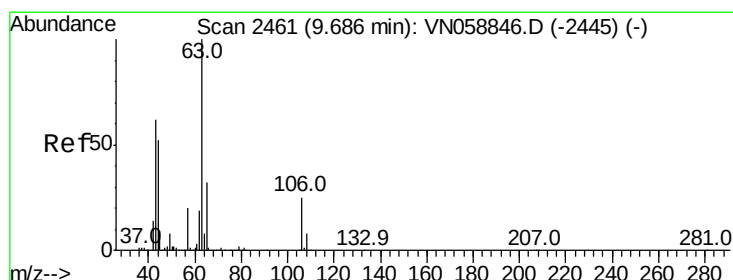
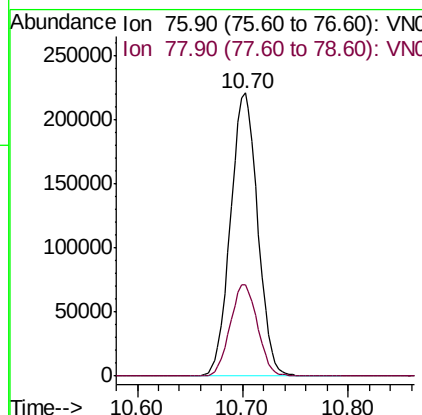
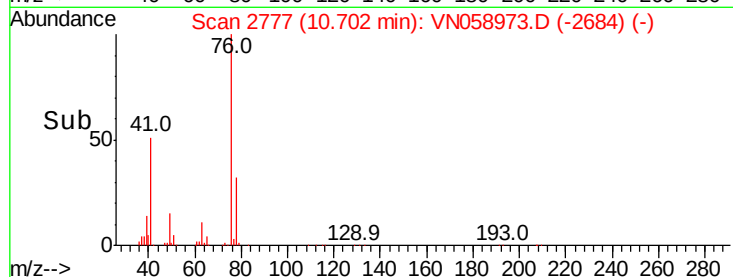
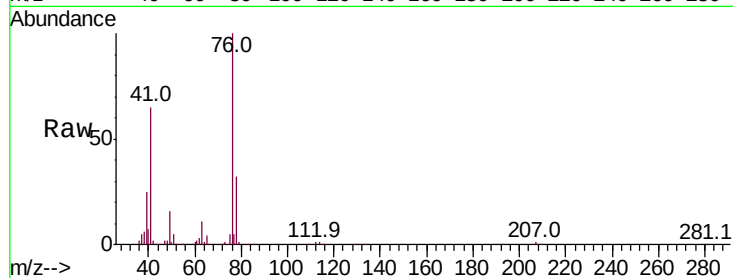
#57
 1,3-Dichloropropane
 Concen: 53.798 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.4	38.0

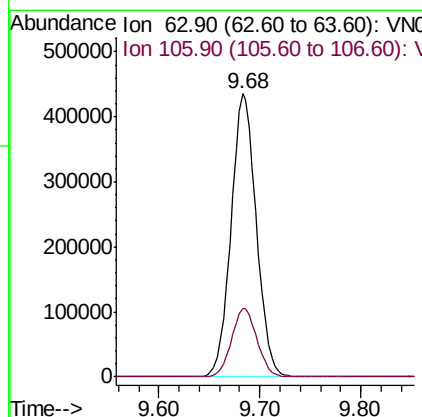
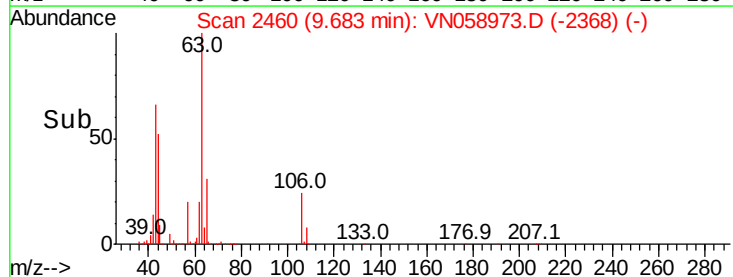
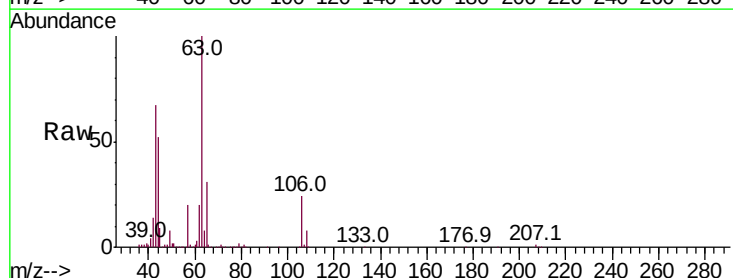
Manual Integrations
 APPROVED

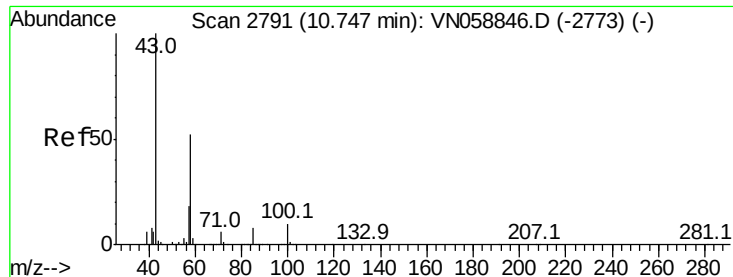
MMDadoda
 10/28/2019 9:47:51 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.574 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.6	19.8	29.8





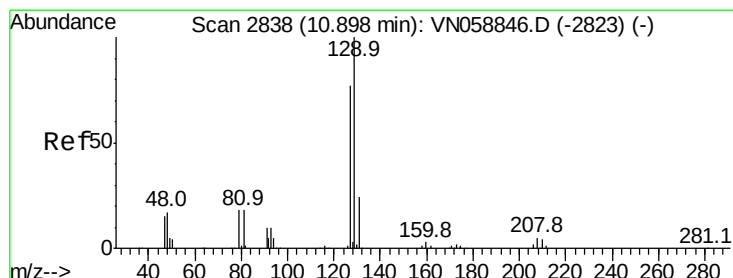
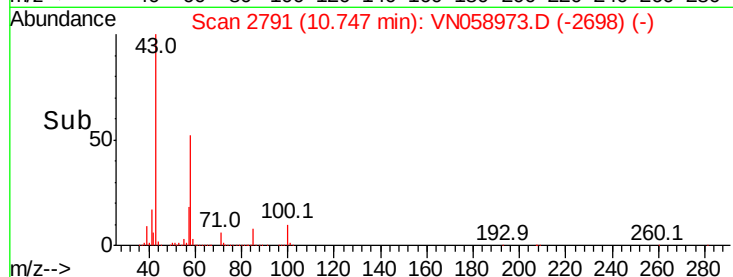
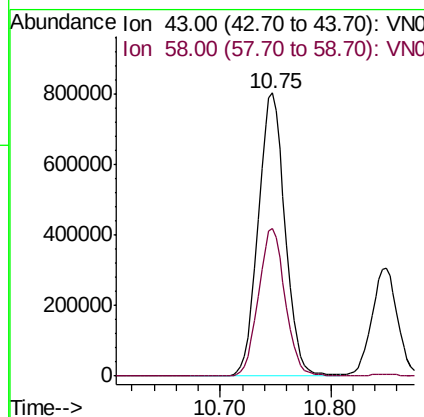
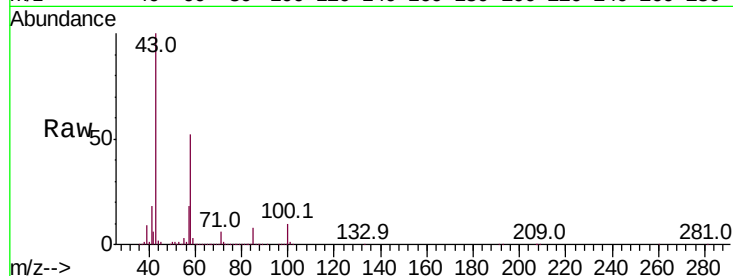
#59
2-Hexanone
Concen: 294.463 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1348953
Ion Ratio Lower Upper
43 100
58 52.2 25.9 77.7

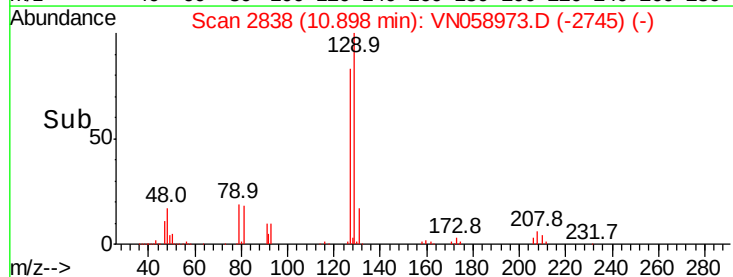
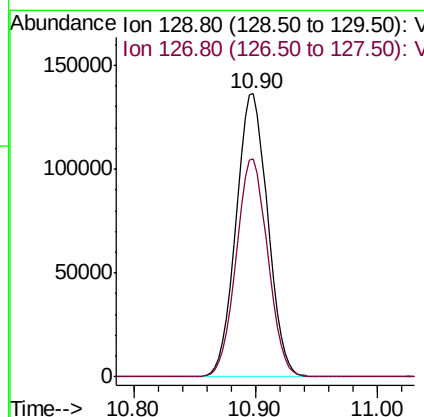
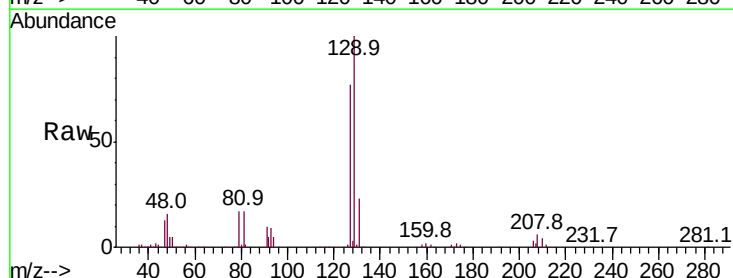
Manual Integrations
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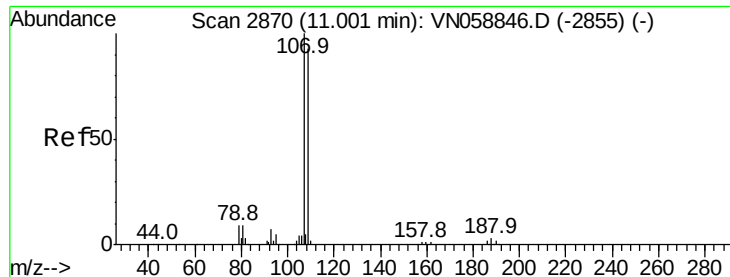
MMDadoda
10/28/2019 9:47:51 AM



#60
Dibromochloromethane
Concen: 54.771 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion: 129 Resp: 245634
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.3





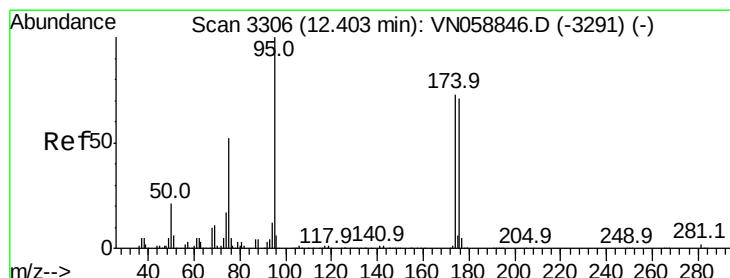
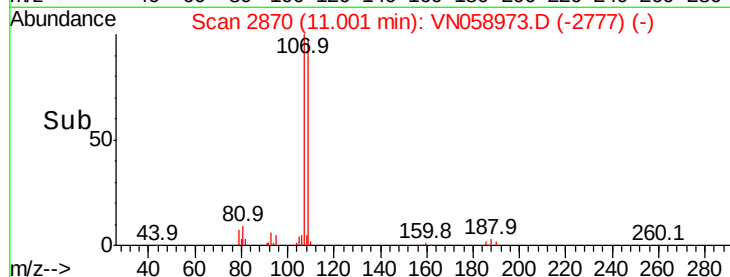
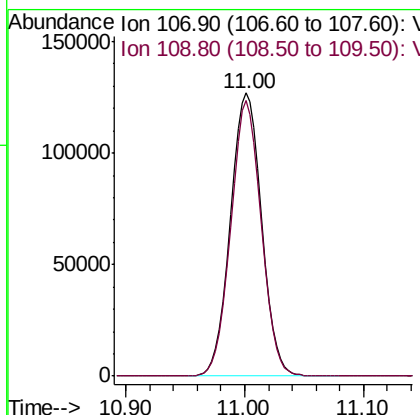
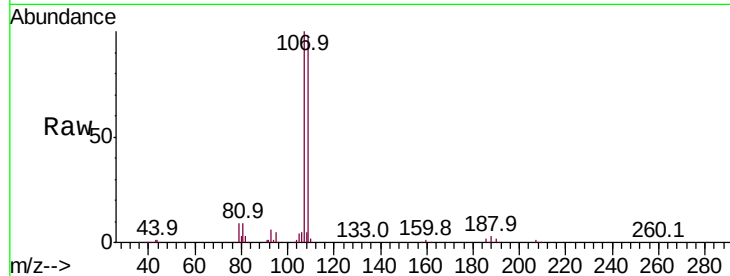
#61
 1,2-Dibromoethane
 Concen: 54.031 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.2	112.8

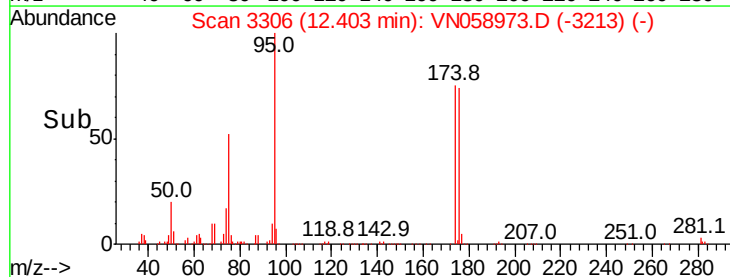
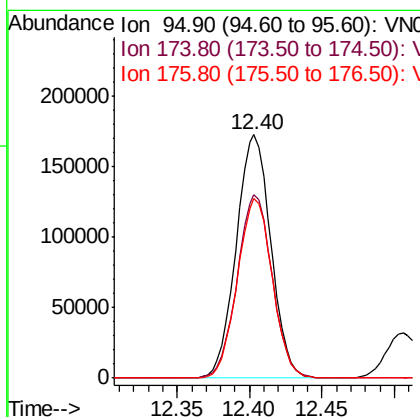
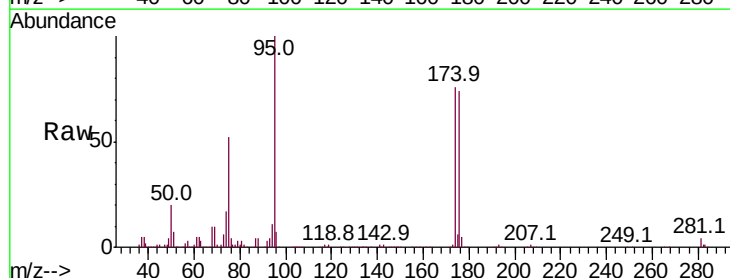
Manual Integrations
 APPROVED

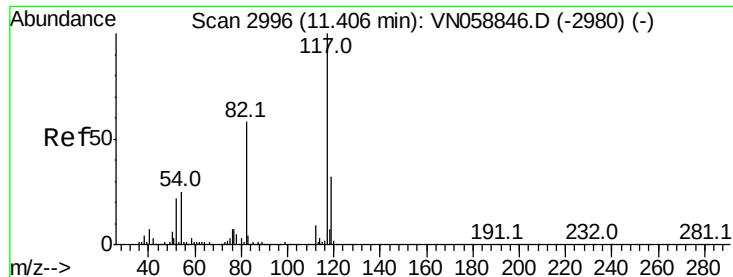
MMDadoda
 10/28/2019 9:47:51 AM



#62
 4-Bromofluorobenzene
 Concen: 54.034 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	147.6
176	74.4	0.0	143.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

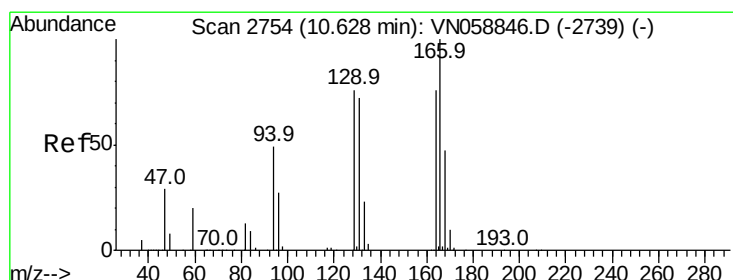
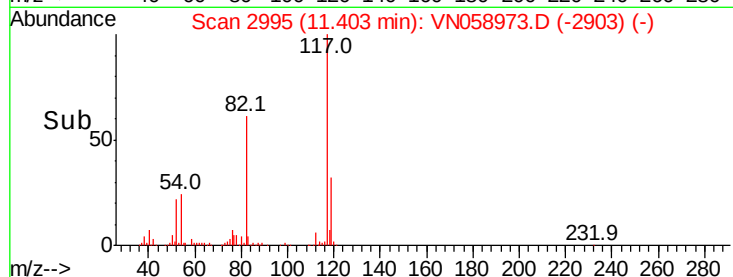
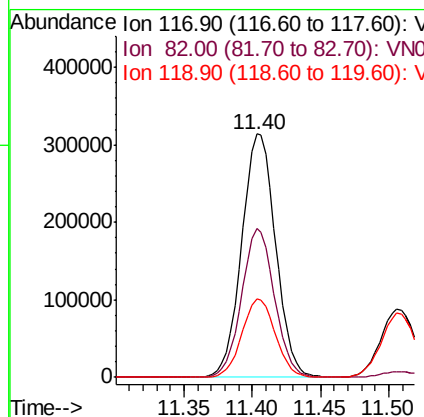
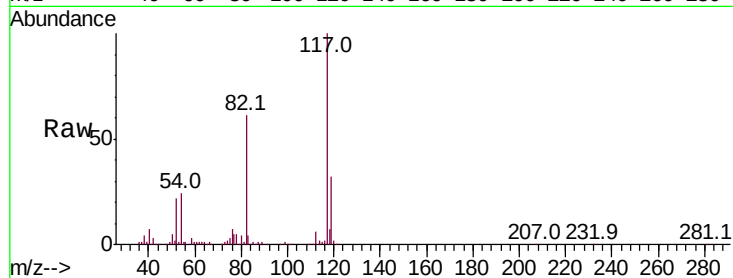
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	542371
Ion Ratio	Lower	Upper	
117	100		
82	60.9	46.6	69.8
119	32.0	25.6	38.4

Manual Integrations
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#64

Tetrachloroethene

Concen: 51.596 ug/l

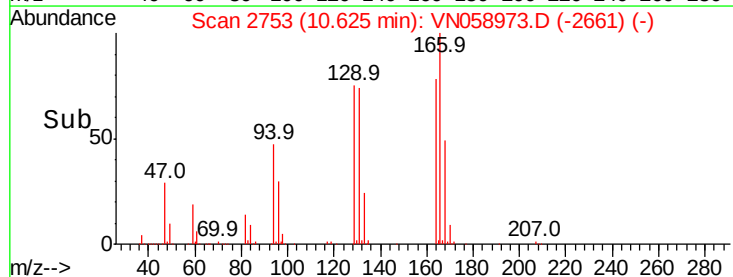
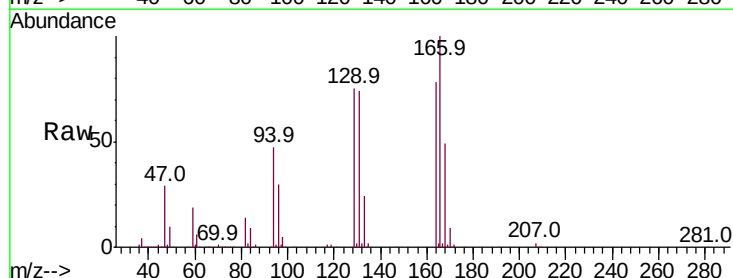
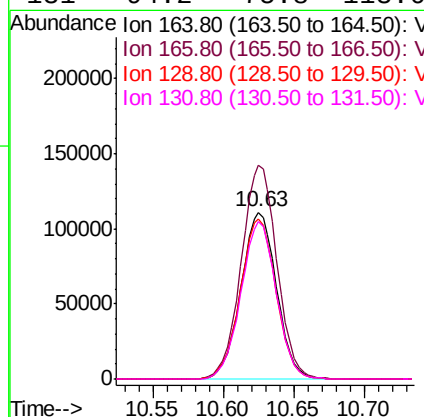
RT: 10.63 min Scan# 2753

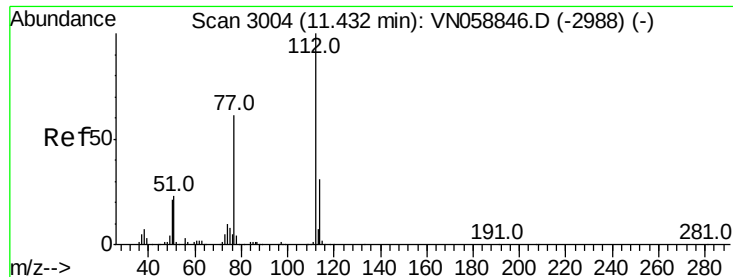
Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Tgt Ion:	164	Resp:	195982
Ion Ratio	Lower	Upper	
164	100		
166	127.9	104.8	157.2
129	96.2	79.3	118.9
131	94.2	75.8	113.6





#65

Chlorobenzene

Concen: 53.038 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 585646

Ion Ratio Lower Upper

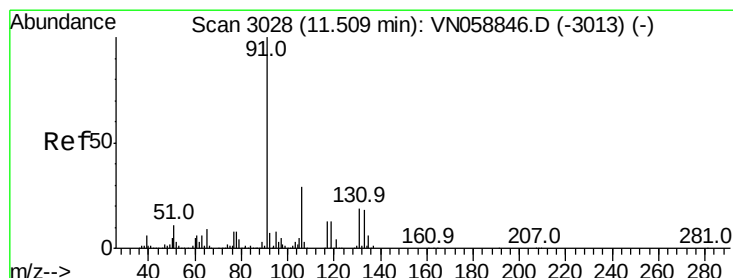
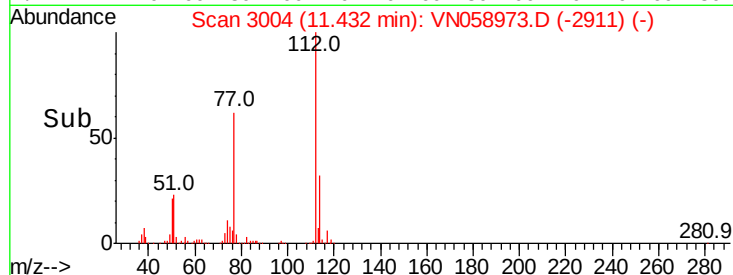
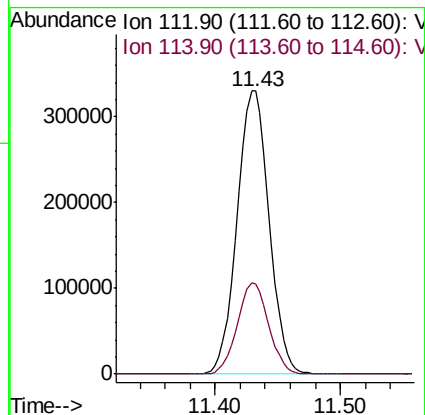
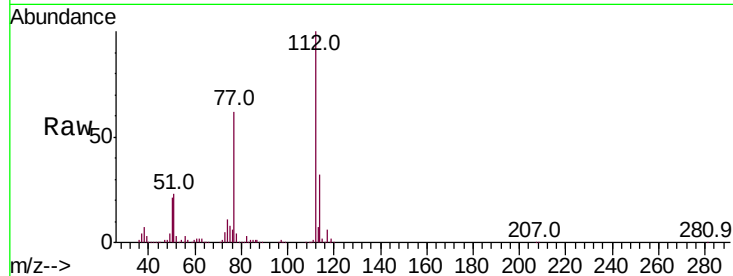
112 100

114 31.9 25.1 37.7

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 53.112 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

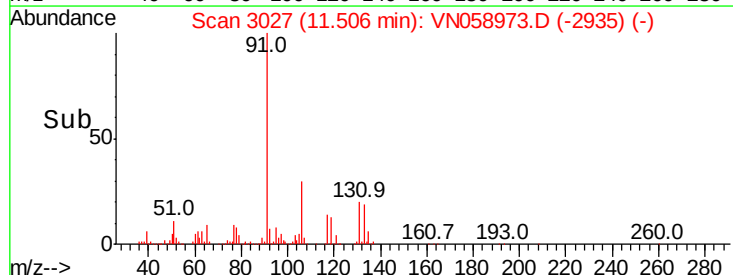
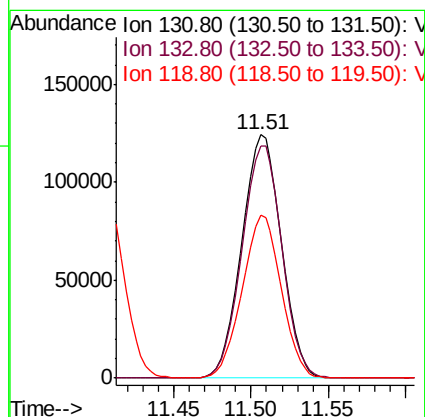
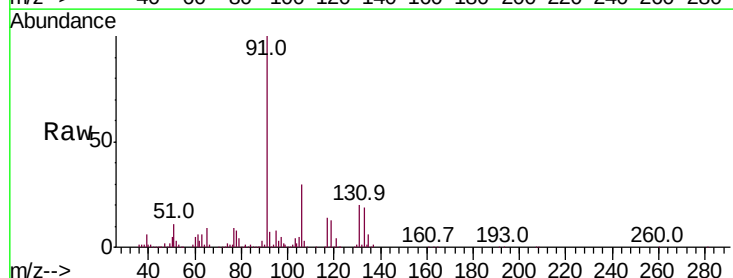
Tgt Ion:131 Resp: 221307

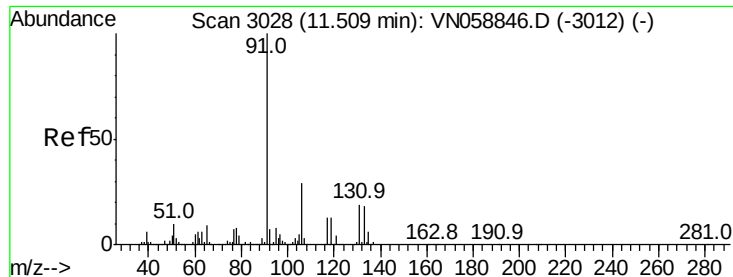
Ion Ratio Lower Upper

131 100

133 96.6 48.4 145.2

119 66.0 33.6 100.8





#67

Ethyl Benzene

Concen: 56.120 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1087054

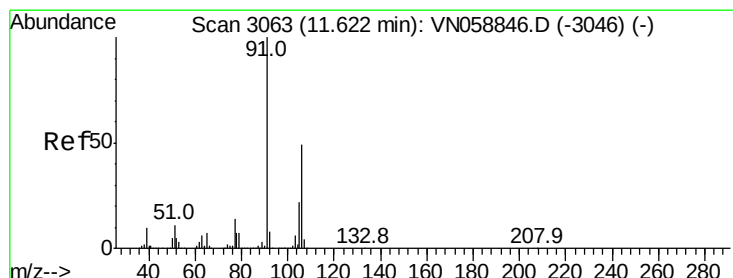
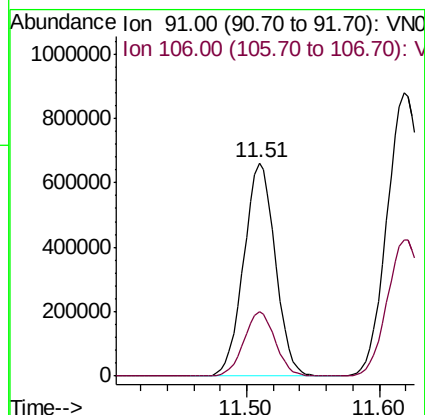
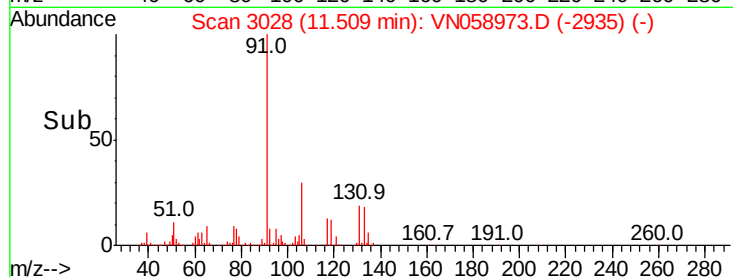
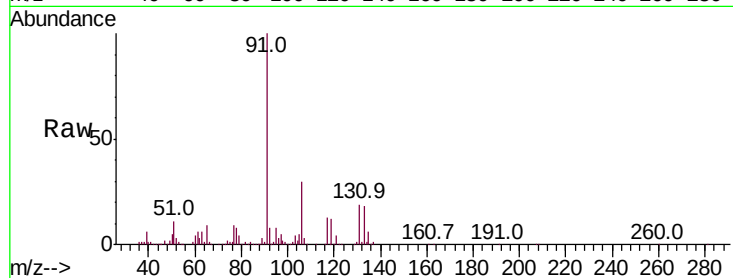
Ion Ratio Lower Upper

91 100

106 30.2 23.4 35.0

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 112.471 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058973.D

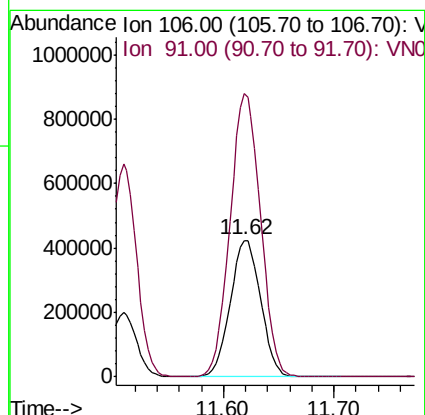
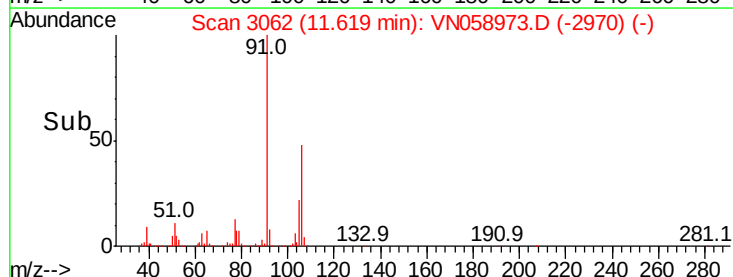
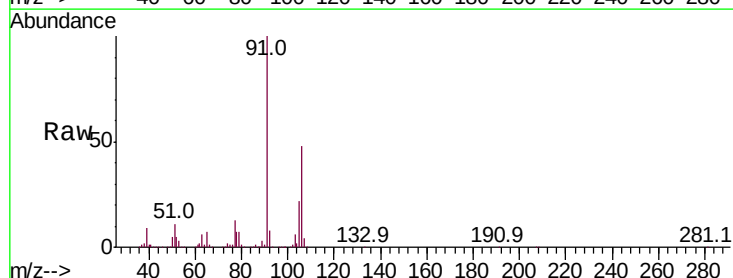
Acq: 25 Oct 2019 9:08

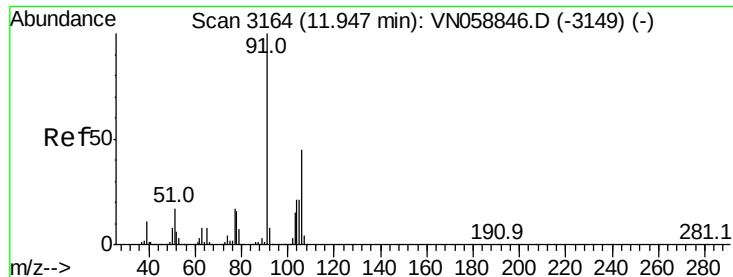
Tgt Ion: 106 Resp: 807919

Ion Ratio Lower Upper

106 100

91 208.2 166.6 249.8





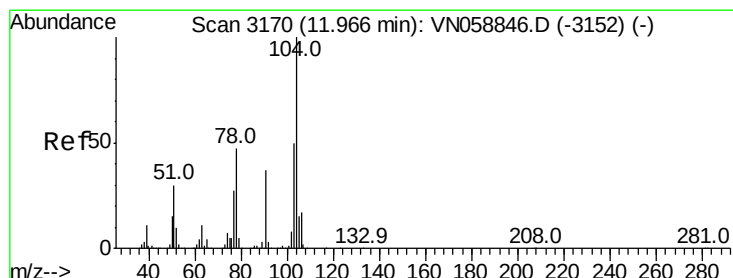
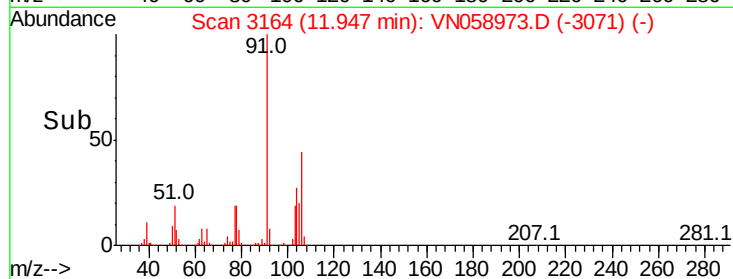
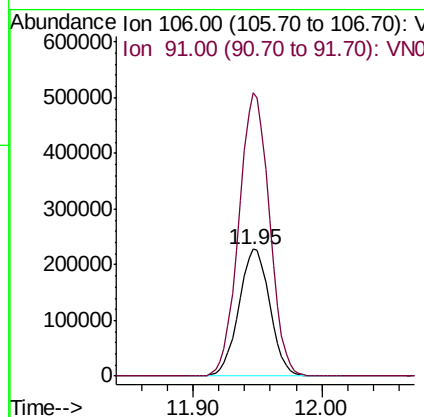
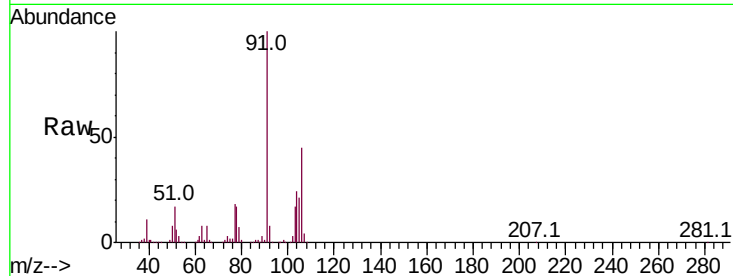
#69
o-Xylene
Concen: 55.535 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.5	111.5	334.4

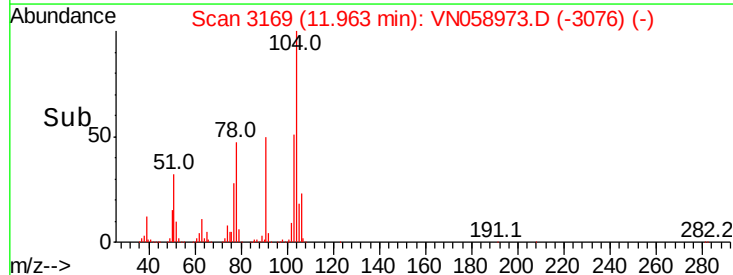
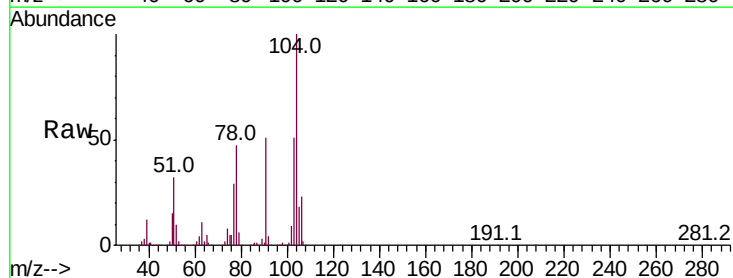
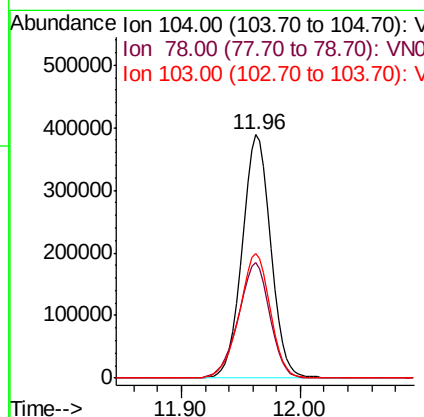
Manual Integrations
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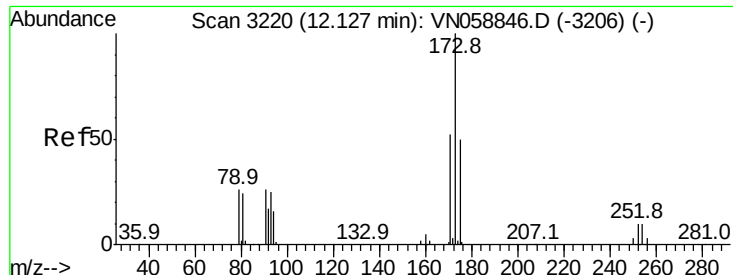
MMDadoda
10/28/2019 9:47:51 AM



#70
Styrene
Concen: 51.129 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.2	42.8	64.2
103	55.5	44.3	66.5





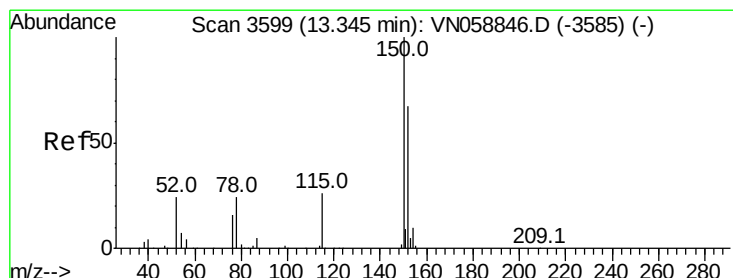
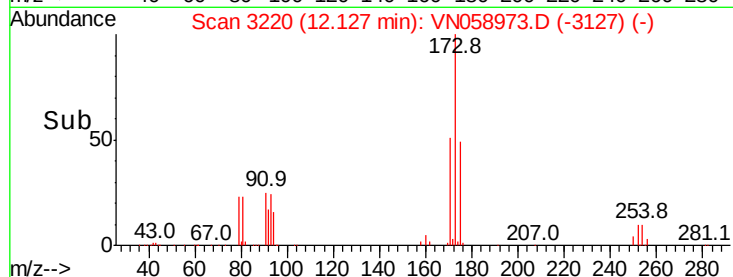
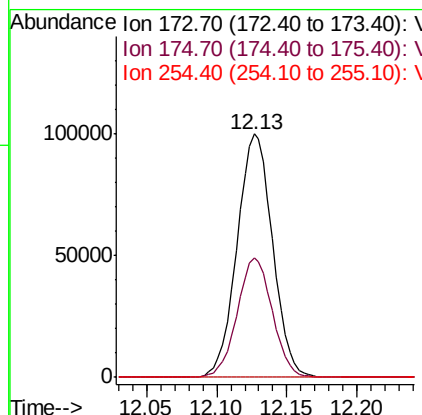
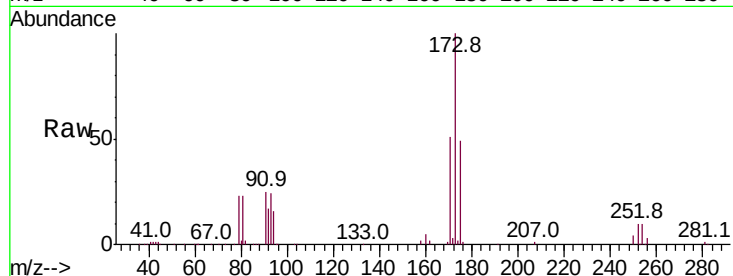
#71
Bromoform
Concen: 54.455 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
173	100	175950		
175	48.4	24.7	74.1	
254	0.1	0.0	0.0#	

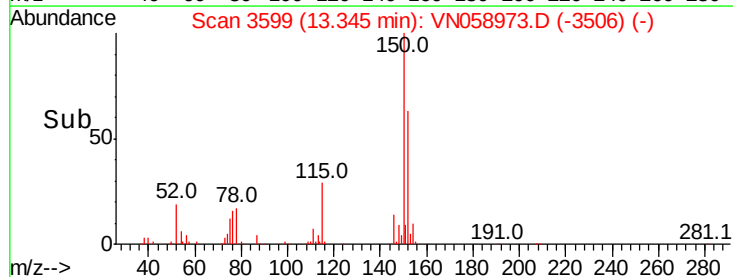
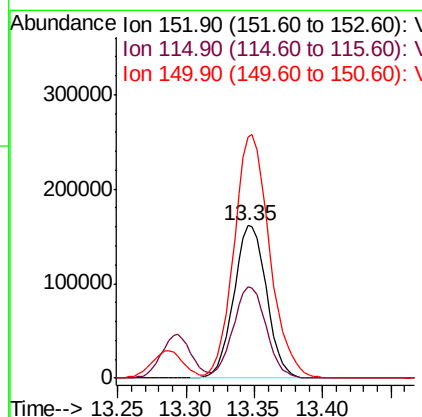
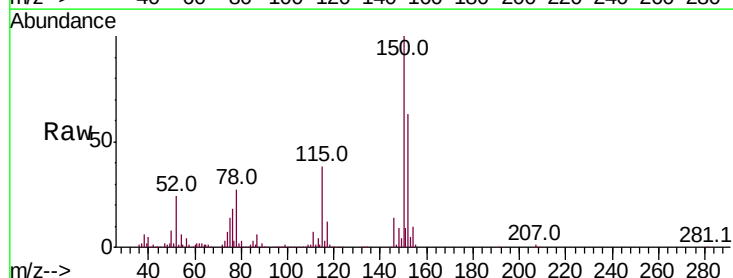
Manual Integrations
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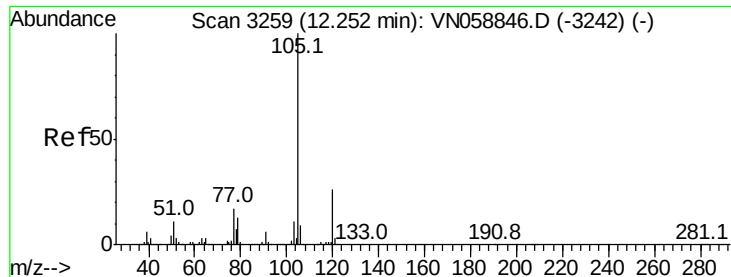
MMDadoda
10/28/2019 9:47:51 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	268958		
115	60.4	30.5	91.5	
150	173.6	0.0	344.4	





#73

Isopropylbenzene

Concen: 53.083 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1043391

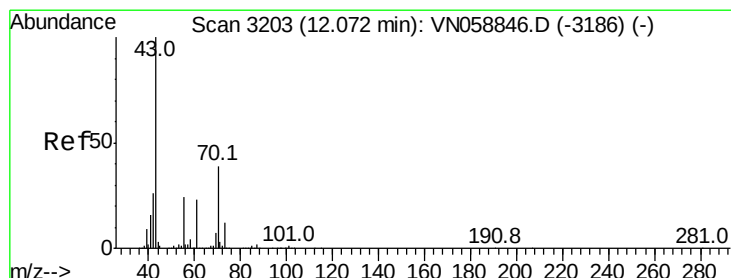
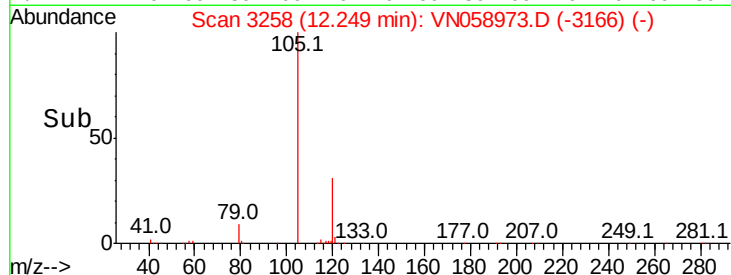
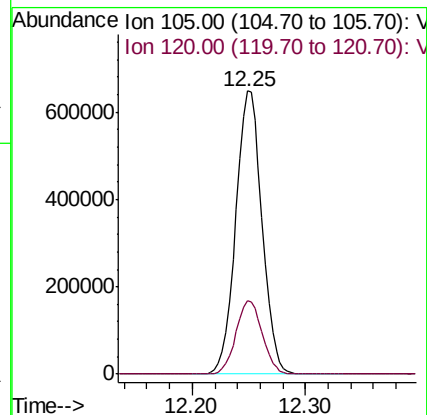
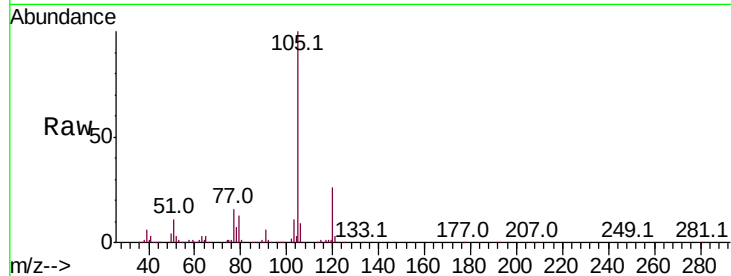
Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 53.955 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Tgt Ion: 43 Resp: 480795

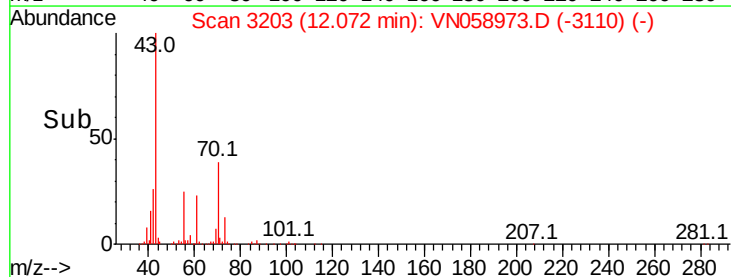
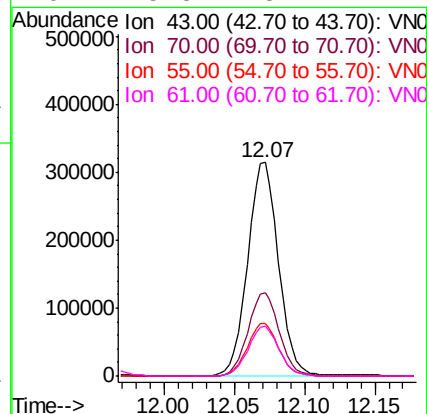
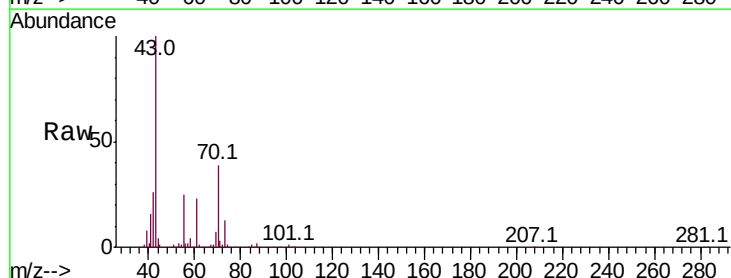
Ion Ratio Lower Upper

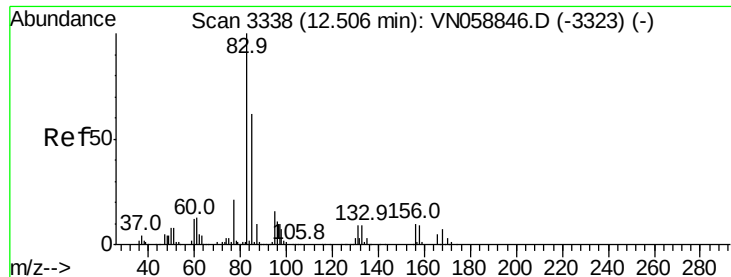
43 100

70 39.5 30.9 46.3

55 25.1 19.7 29.5

61 23.3 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.986 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 345476
Ion Ratio Lower Upper

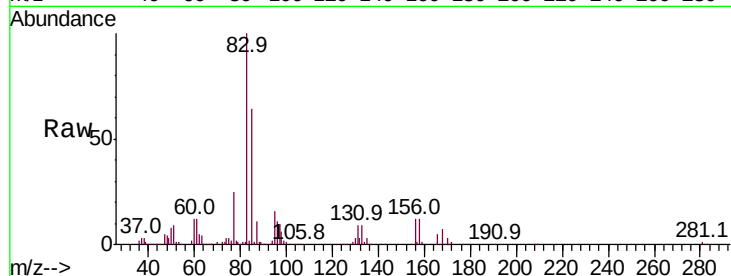
83 100

131 9.7 4.7 14.1

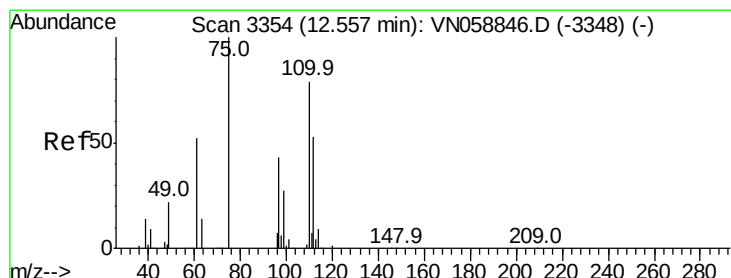
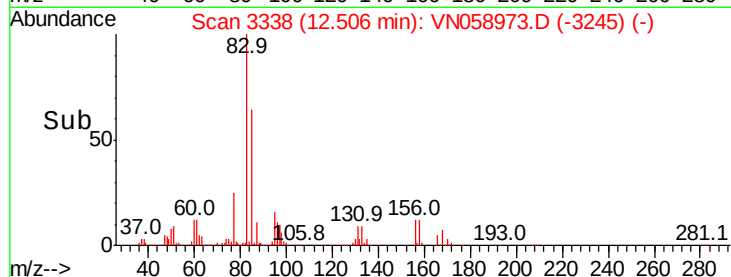
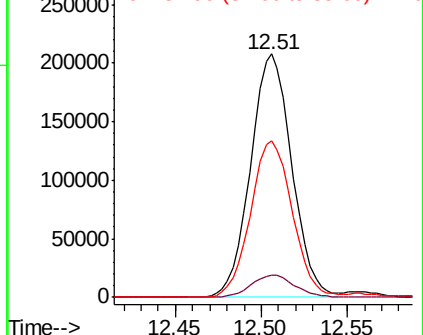
85 65.1 31.7 95.1

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 47.951 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

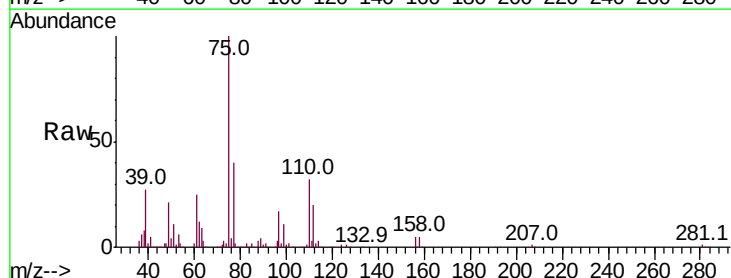
Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

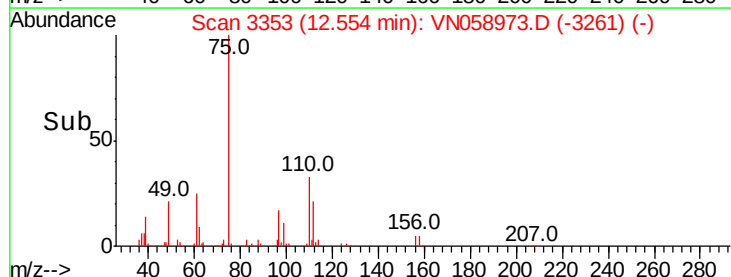
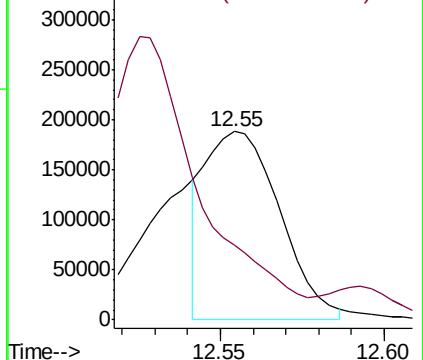
Tgt Ion: 75 Resp: 298900
Ion Ratio Lower Upper

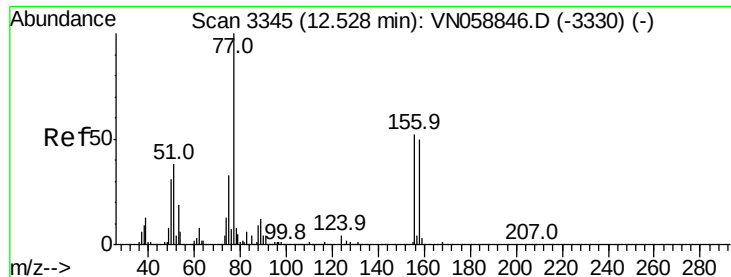
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 51.965 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 251761

Ion Ratio Lower Upper

156 100

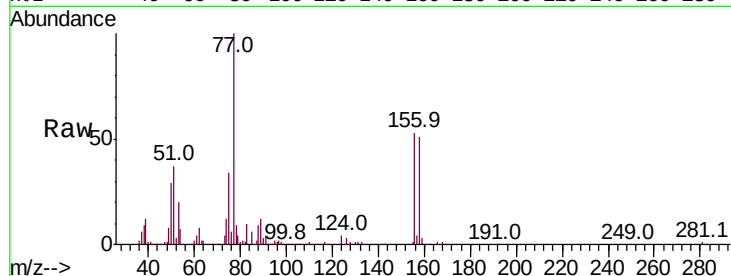
77 230.9 118.0 354.0

158 97.6 48.3 144.8

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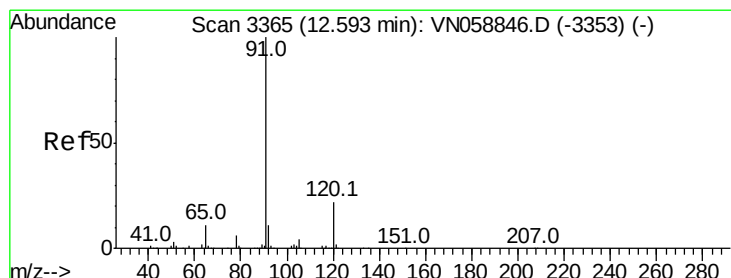
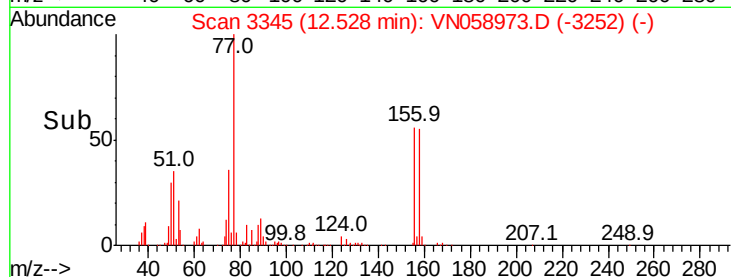
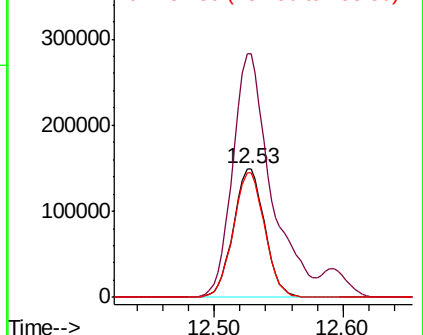
10/28/2019 9:47:51 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.836 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058973.D

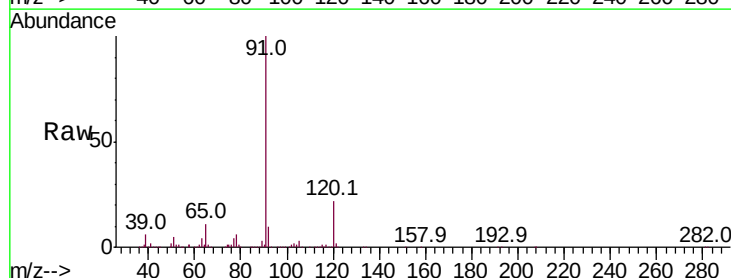
Acq: 25 Oct 2019 9:08

Tgt Ion: 91 Resp: 1274054

Ion Ratio Lower Upper

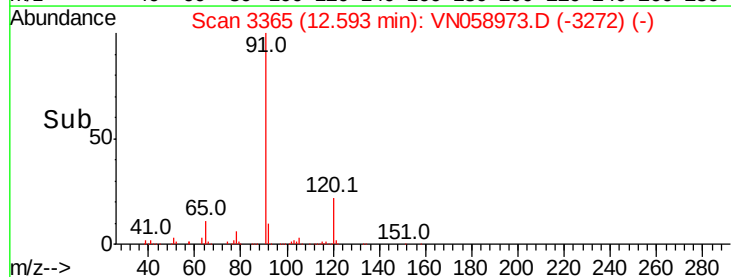
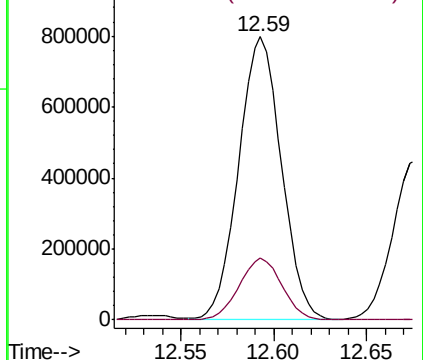
91 100

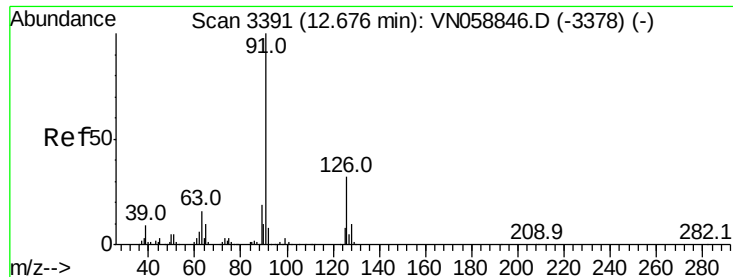
120 21.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.186 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 742095

Ion Ratio Lower Upper

91 100

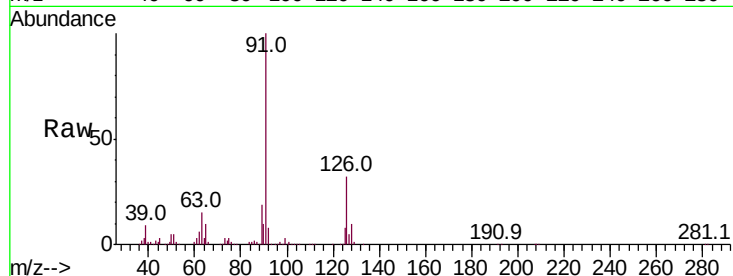
126 32.3 16.2 48.6

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Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3378) (-)

800000

600000

400000

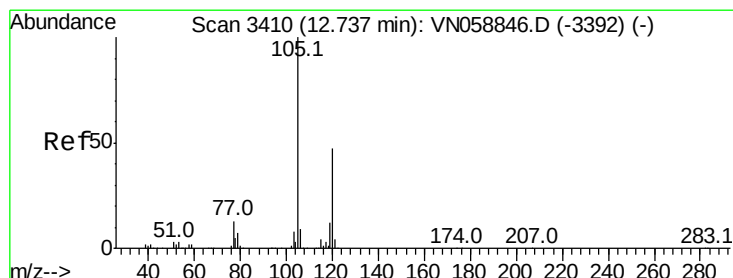
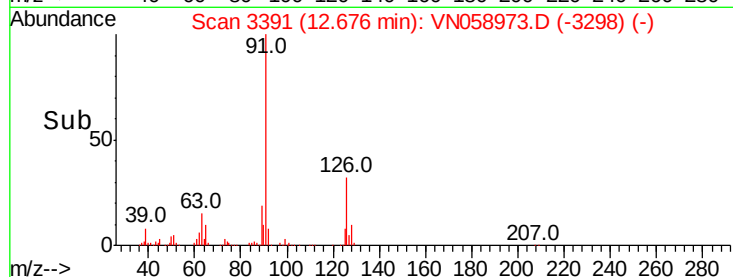
200000

0

12.60 12.65 12.70

12.68

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.556 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN058973.D

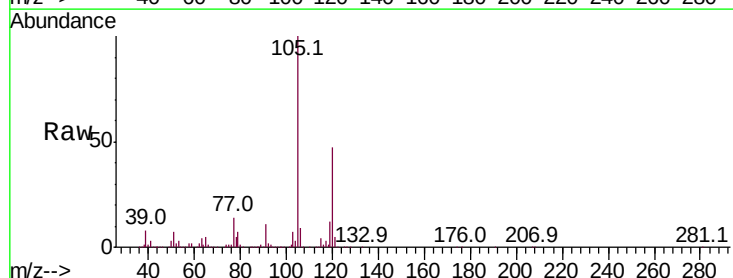
Acq: 25 Oct 2019 9:08

Tgt Ion: 105 Resp: 900967

Ion Ratio Lower Upper

105 100

120 47.8 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058846.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN058846.D (-3392) (-)

600000

500000

400000

300000

200000

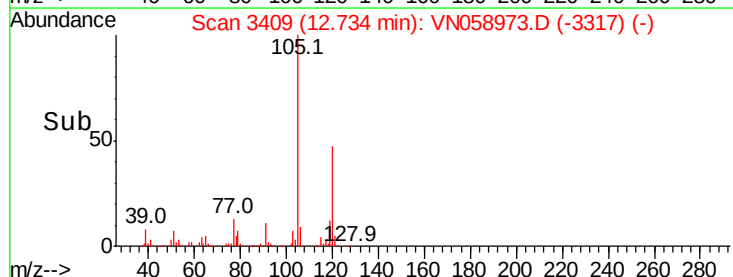
100000

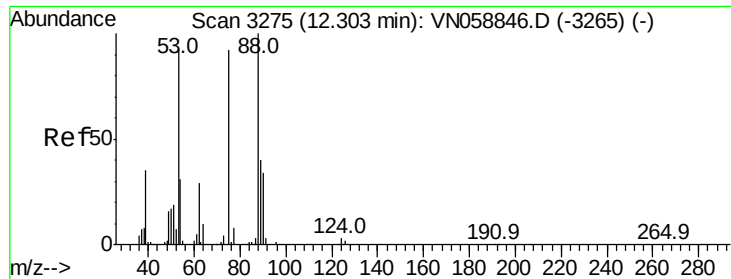
0

12.70 12.80

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 52.133 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

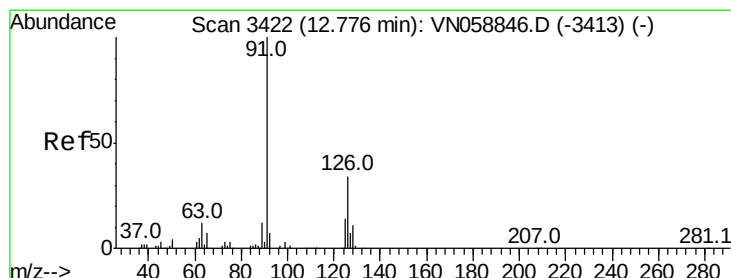
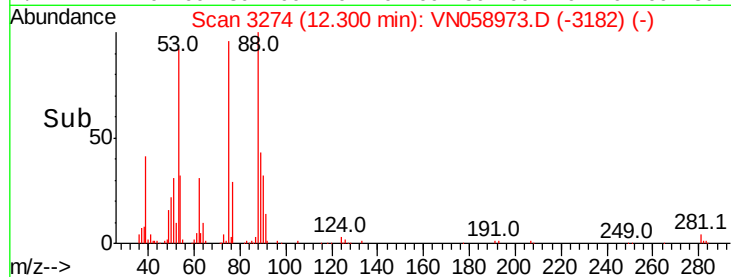
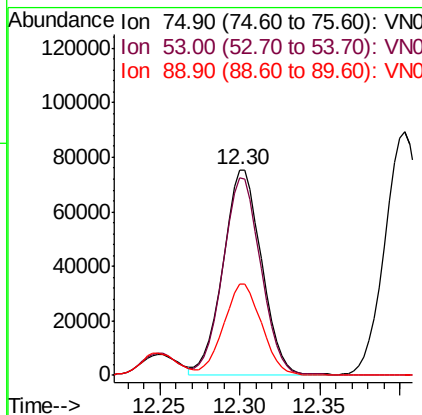
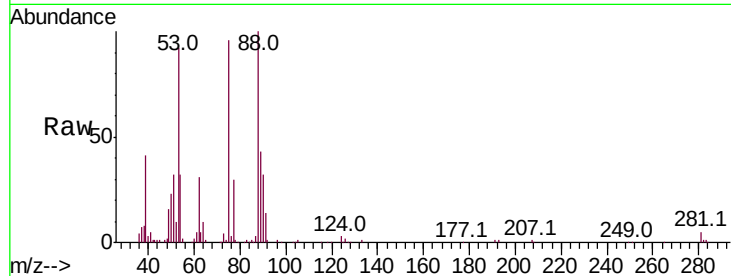
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.4	78.6	118.0
89	44.1	35.4	53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.292 ug/l

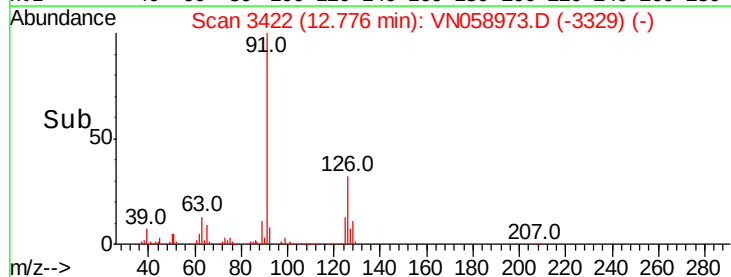
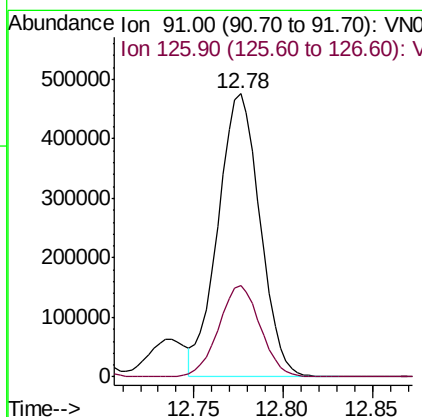
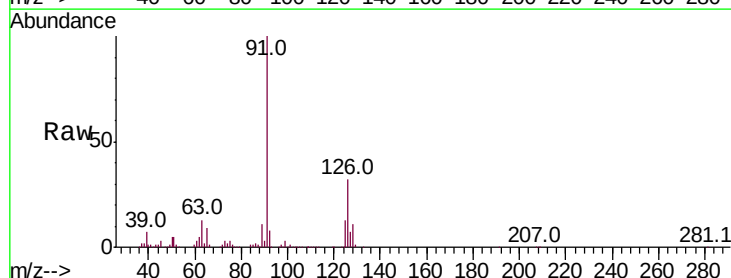
RT: 12.78 min Scan# 3422

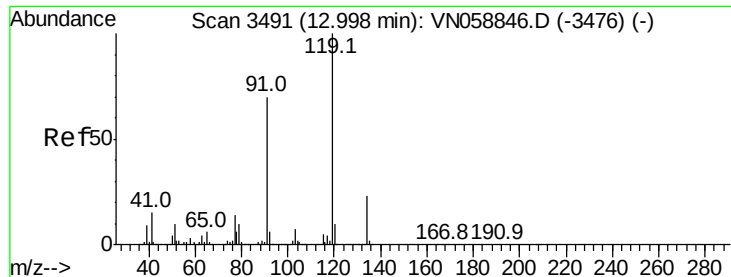
Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	47.9





#83

tert-Butylbenzene

Concen: 52.574 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

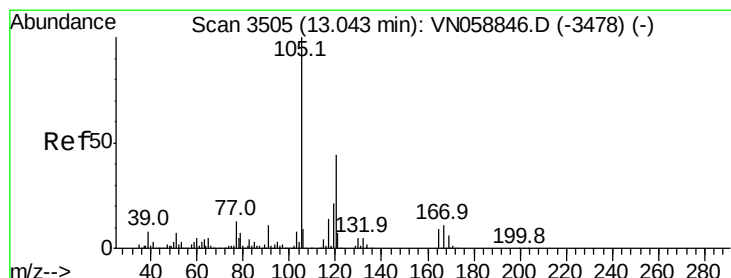
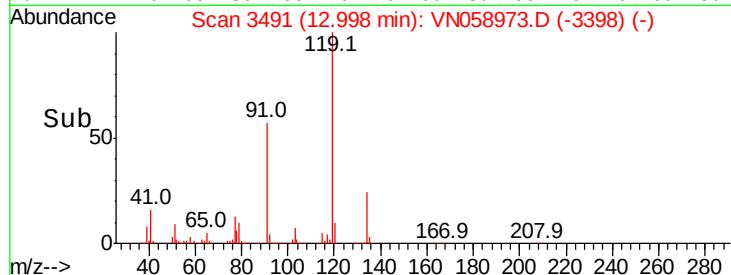
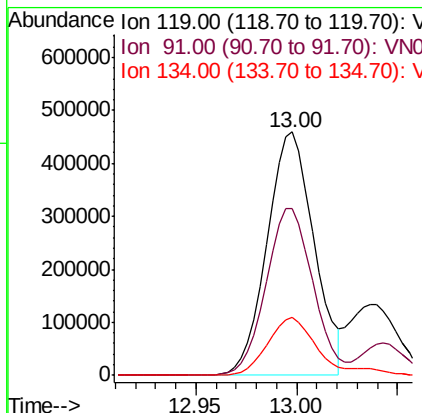
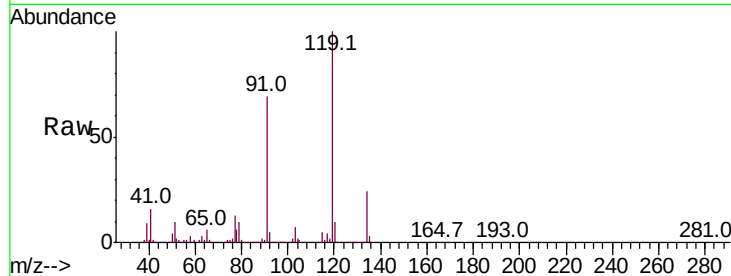
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	742453
Ion Ratio	Lower	Upper	
119	100		
91	68.4	34.1	102.3
134	23.9	11.6	34.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 55.891 ug/l

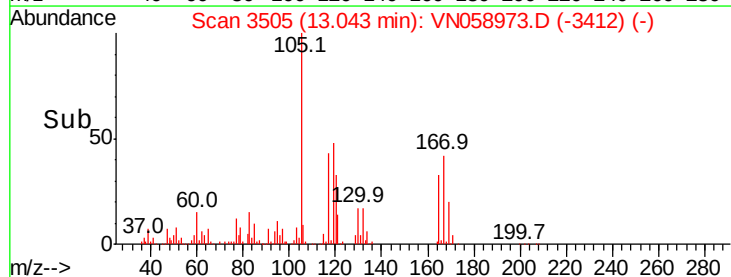
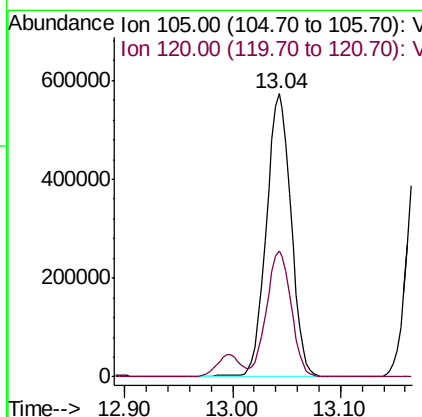
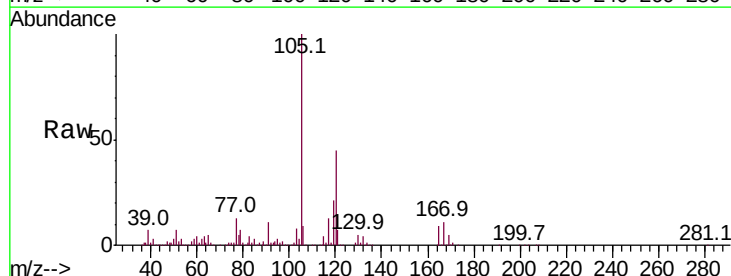
RT: 13.04 min Scan# 3505

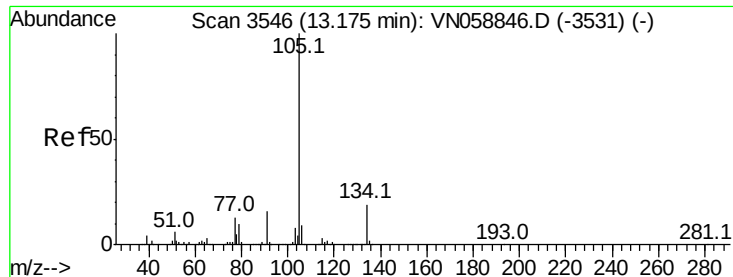
Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Tgt Ion:	105	Resp:	910412
Ion Ratio	Lower	Upper	
105	100		
120	44.5	21.9	65.8





#85

sec-Butylbenzene

Concen: 54.718 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1030243

Ion Ratio Lower Upper

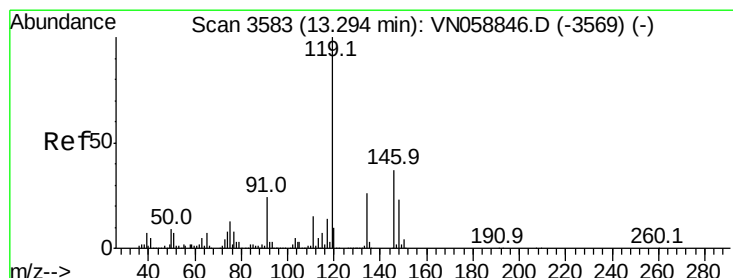
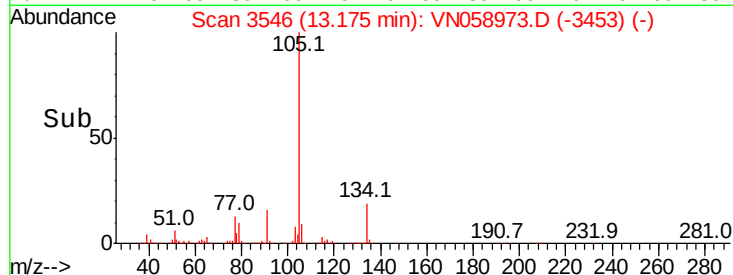
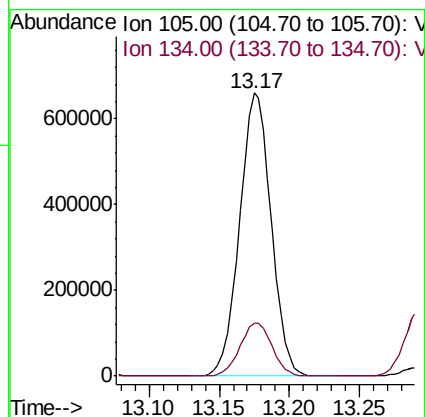
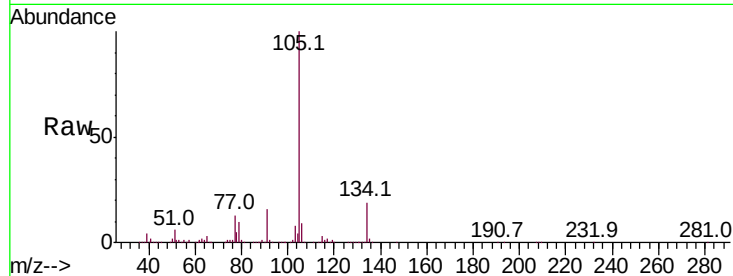
105 100

134 19.4 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 56.418 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

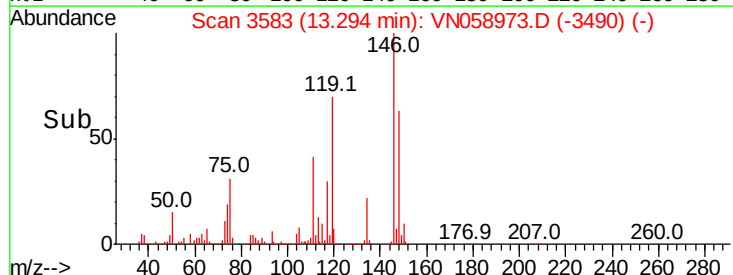
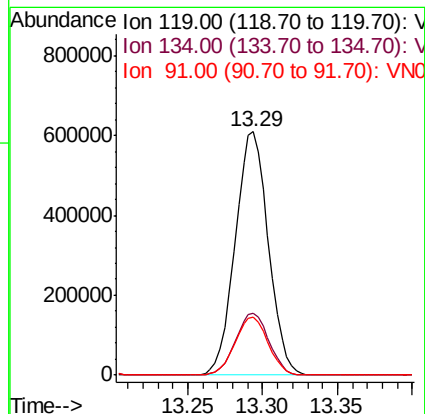
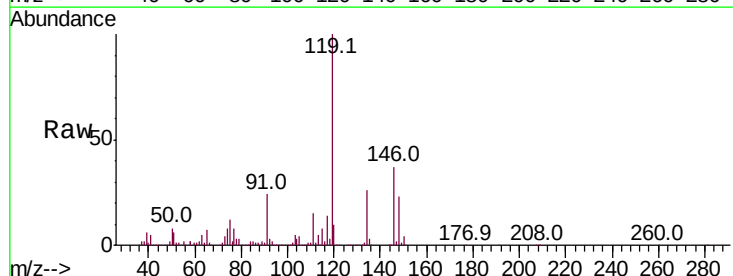
Tgt Ion:119 Resp: 937280

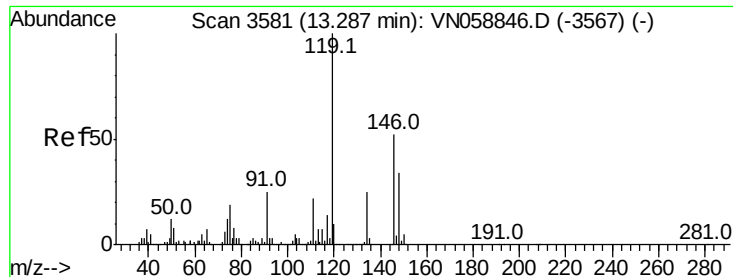
Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 23.8 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 53.314 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058973.D

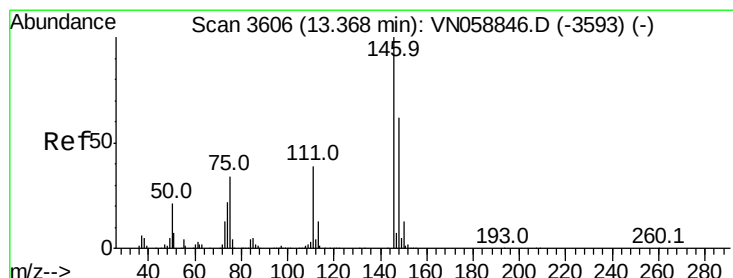
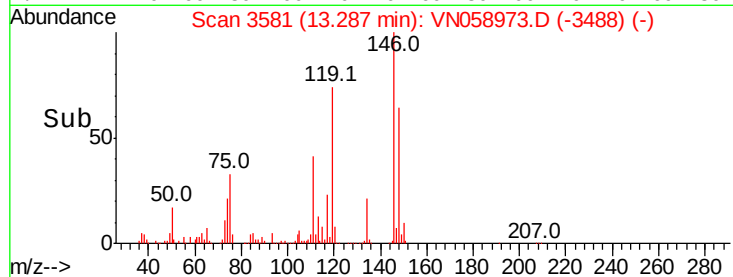
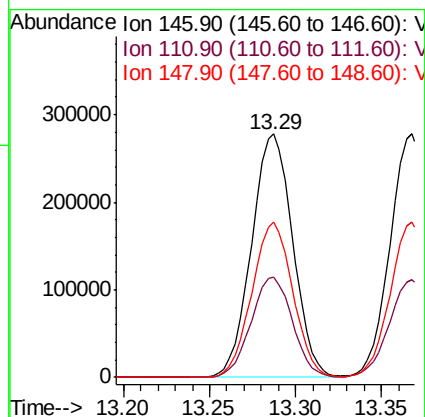
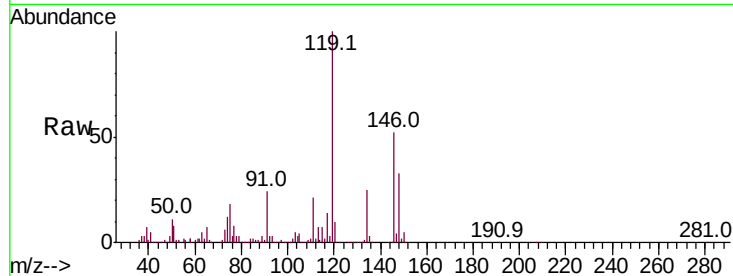
Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
146	100		
111	41.2	21.0	63.0
148	63.1	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 52.625 ug/l

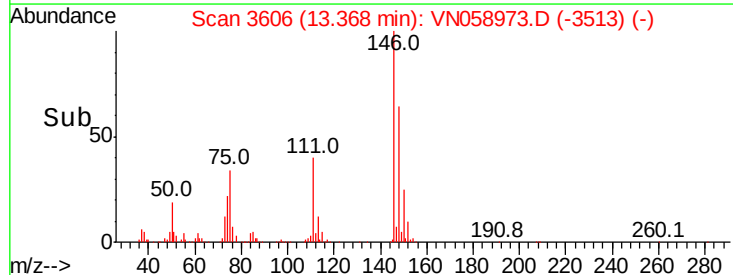
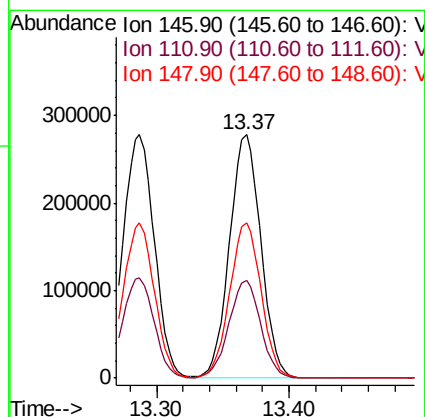
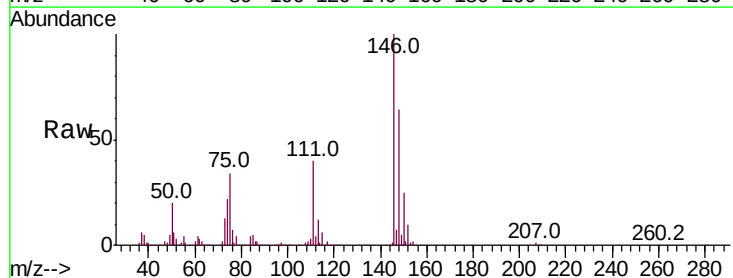
RT: 13.37 min Scan# 3606

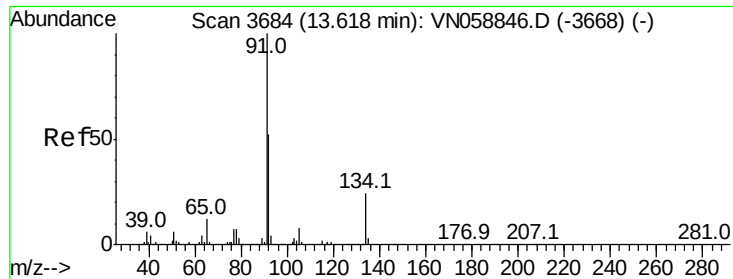
Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
111	40.5	20.2	60.6
148	63.8	31.6	94.7





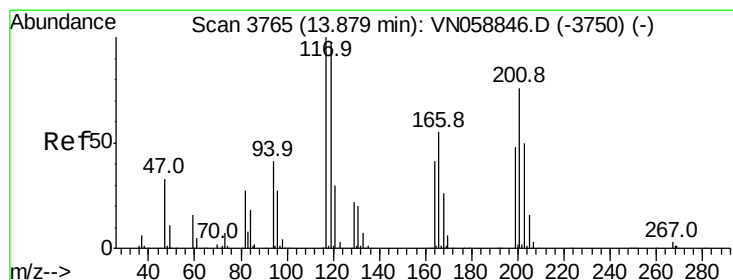
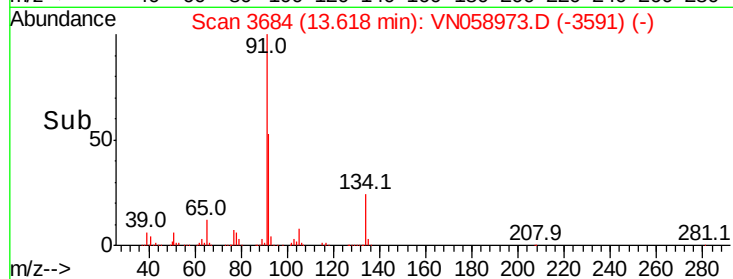
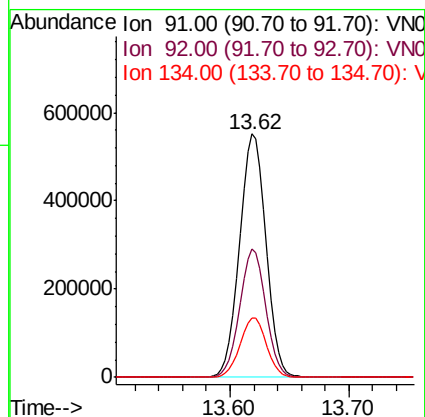
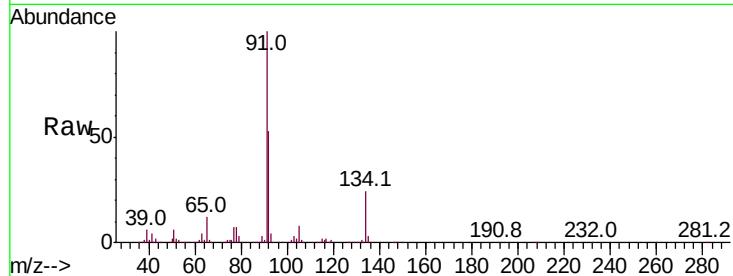
#89
n-Butylbenzene
Concen: 55.624 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.7	77.1
134	24.4	11.9	35.5

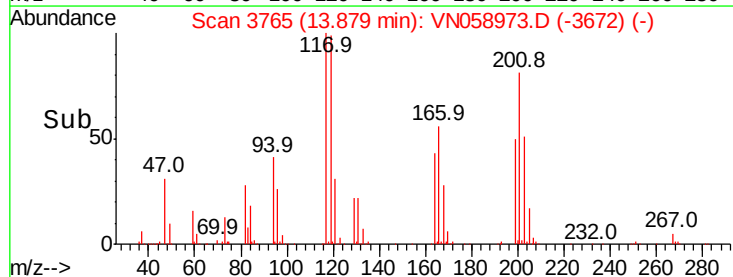
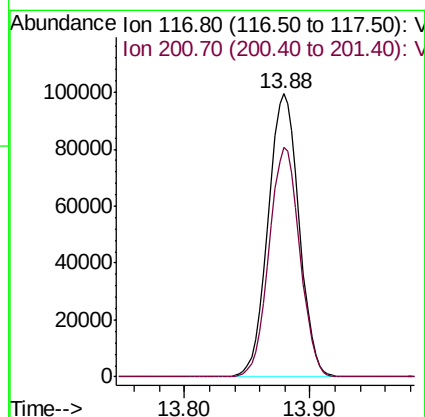
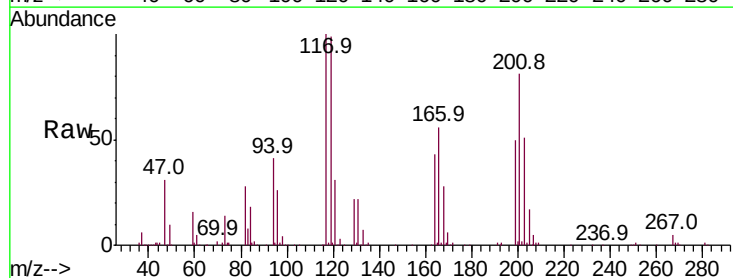
Manual Integrations
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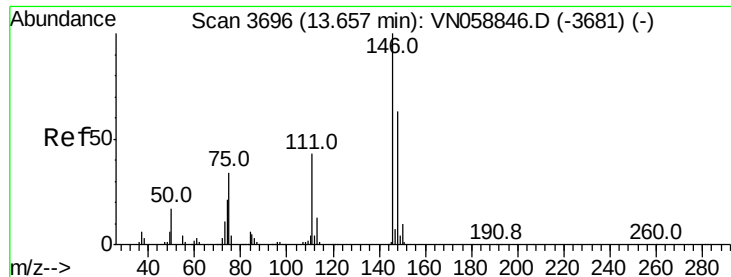
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#90
Hexachloroethane
Concen: 50.800 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.2	38.9	116.6





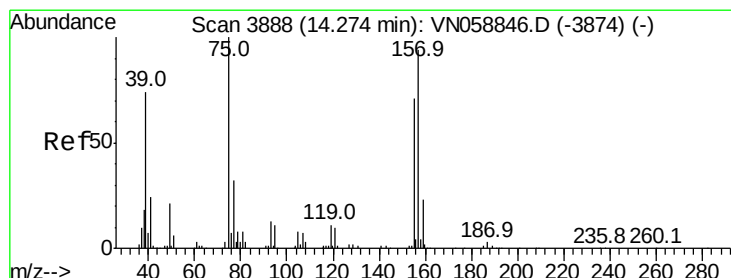
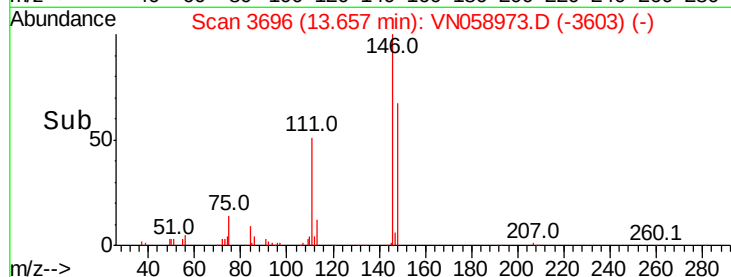
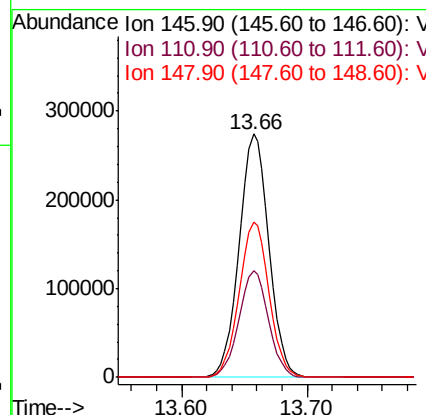
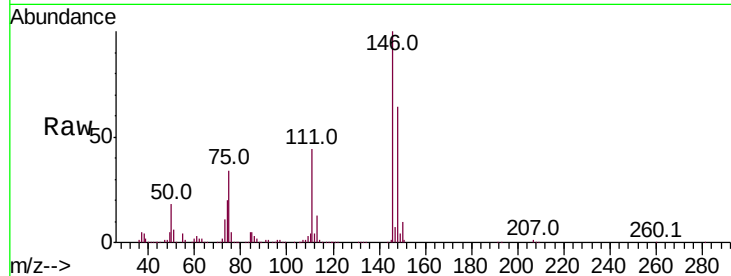
#91
 1,2-Dichlorobenzene
 Concen: 52.906 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	43.5	21.6	64.8	
148	64.1	31.9	95.9	

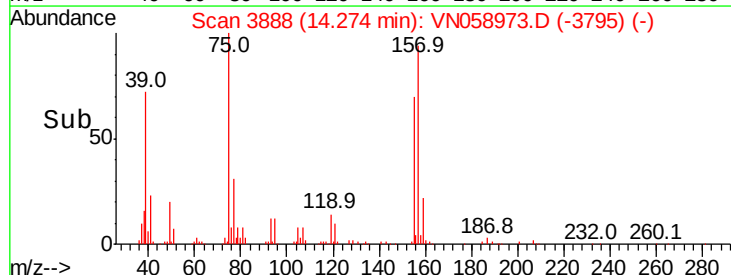
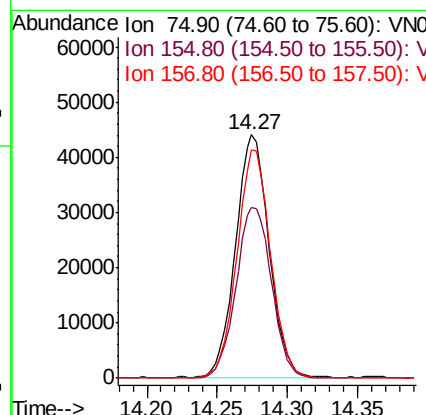
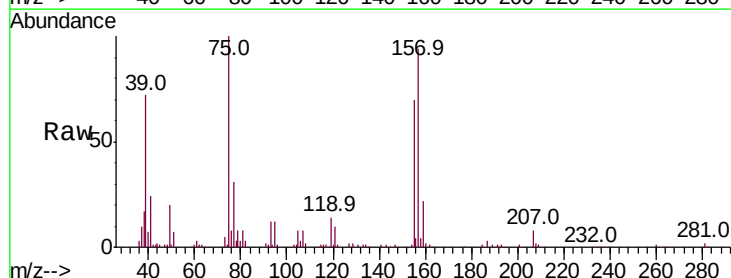
Manual Integrations
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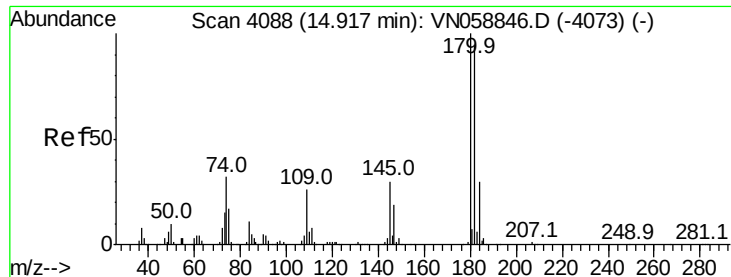
MMDadoda
 10/28/2019 9:47:51 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.601 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058973.D
 Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	74.4	35.6	106.8	
157	94.6	47.4	142.2	





#93

1,2,4-Trichlorobenzene

Concen: 50.407 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Instrument :

MSVOA_N

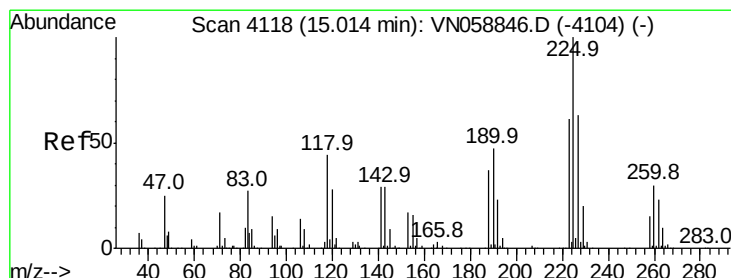
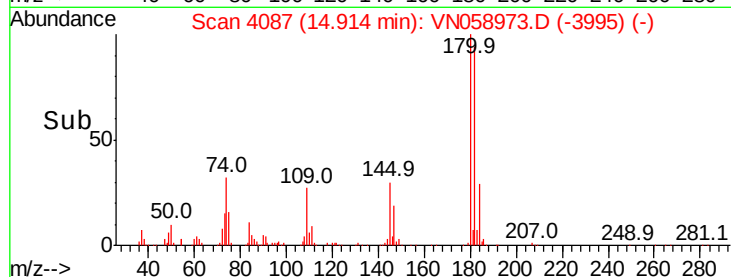
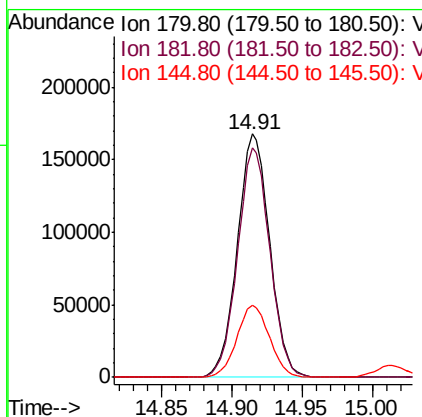
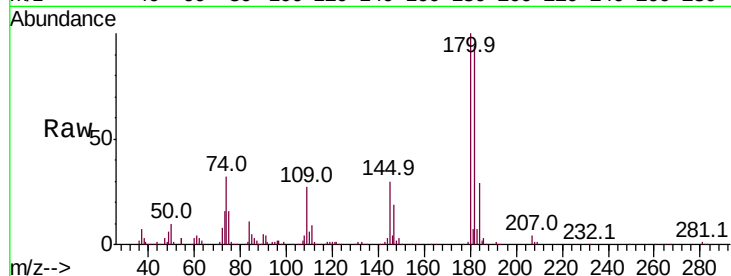
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	270302
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.3	142.0
145	29.8	15.3	45.8

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 51.498 ug/l

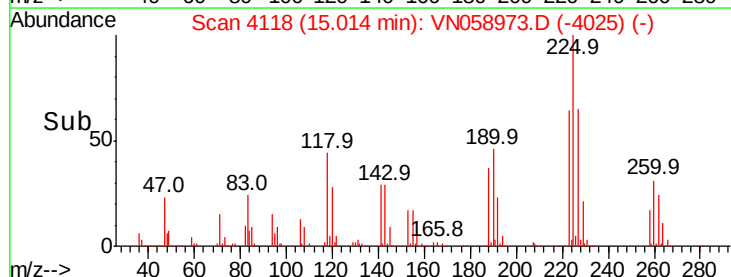
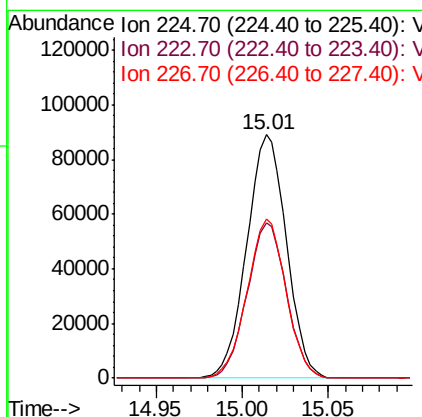
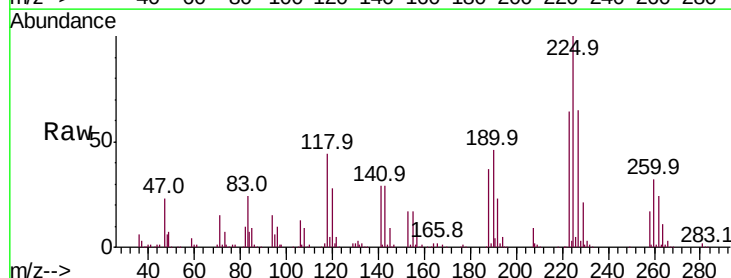
RT: 15.01 min Scan# 4118

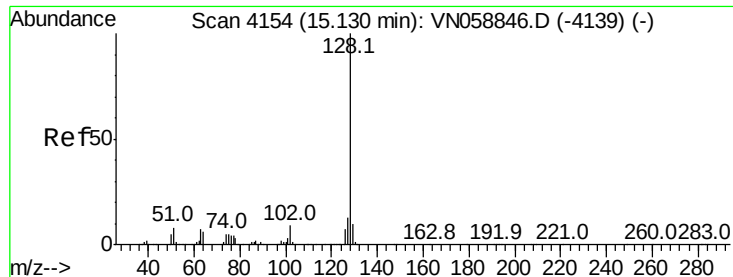
Delta R.T. 0.00 min

Lab File: VN058973.D

Acq: 25 Oct 2019 9:08

Tgt Ion:	225	Resp:	142120
Ion Ratio	Lower	Upper	
225	100		
223	63.2	30.9	92.5
227	64.0	31.6	94.7





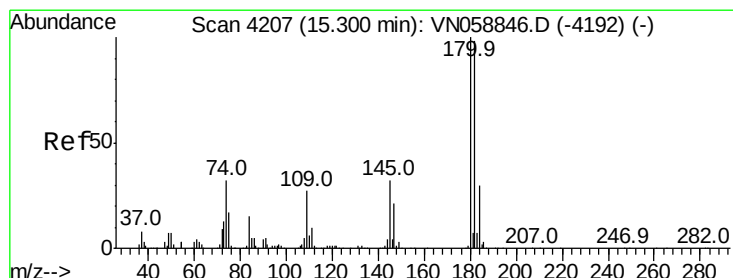
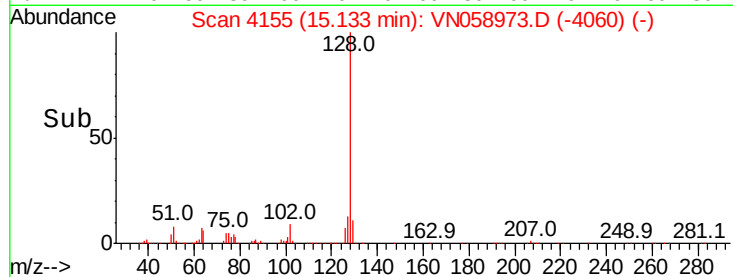
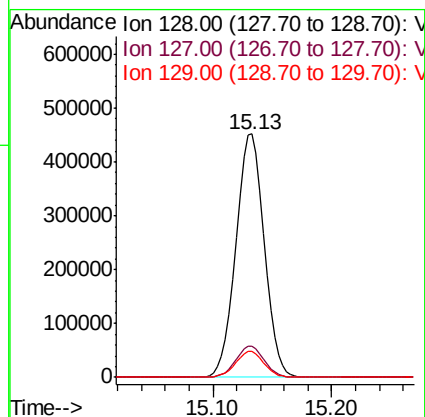
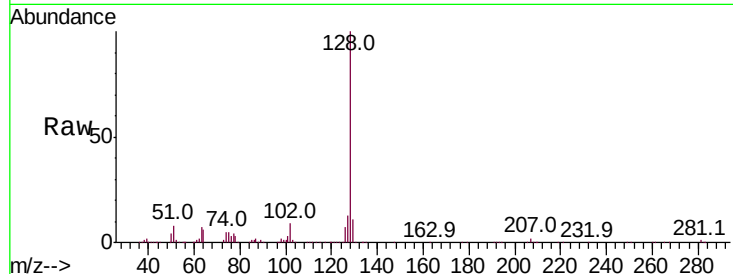
#95
Naphthalene
Concen: 48.509 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	746237		
127	12.7	10.2	15.2	
129	10.8	8.4	12.6	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.810 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058973.D
Acq: 25 Oct 2019 9:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	259867		
182	95.9	47.9	143.7	
145	32.1	15.9	47.7	

