

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
 Data File : VN055886.D
 Acq On : 29 May 2019 18:43
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/30/2019 9:35:36 AM

Quant Time: May 30 09:15:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	296761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	449769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	404660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182064	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	159476	52.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.08%	
35) Dibromofluoromethane	7.59	113	137813	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.92%	
50) Toluene-d8	10.09	98	533201	48.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.40	95	185885	49.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	88710	44.416	ug/l	100
3) Chloromethane	2.06	50	130003	46.458	ug/l	99
4) Vinyl Chloride	2.18	62	138522	46.411	ug/l	99
5) Bromomethane	2.52	94	106732	57.160	ug/l	100
6) Chloroethane	2.67	64	81776	45.508	ug/l	100
7) Trichlorofluoromethane	3.00	101	183832	46.980	ug/l	98
8) Diethyl Ether	3.40	74	84690	48.289	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	117028	47.911	ug/l	98
10) Methyl Iodide	3.93	142	181712	50.884	ug/l	100
11) Tert butyl alcohol	4.82	59	149268	254.913	ug/l	99
12) 1,1-Dichloroethene	3.72	96	119728	47.438	ug/l	97
13) Acrolein	3.60	56	96965	231.261	ug/l	98
14) Allyl chloride	4.31	41	206807	47.798	ug/l	99
15) Acrylonitrile	4.99	53	358007	266.254	ug/l	98
16) Acetone	3.82	43	320128	237.628	ug/l	99
17) Carbon Disulfide	4.03	76	284588	39.688	ug/l	99
18) Methyl Acetate	4.33	43	156273	57.242	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	423581	50.322	ug/l	100
20) Methylene Chloride	4.54	84	143899	49.322	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	129786	47.866	ug/l	96
22) Diisopropyl ether	5.95	45	433718	51.540	ug/l	99
23) Vinyl Acetate	5.89	43	1835358	254.378	ug/l	100
24) 1,1-Dichloroethane	5.84	63	243021	49.600	ug/l	99
25) 2-Butanone	6.84	43	500347	265.938	ug/l	100
26) 2,2-Dichloropropane	6.82	77	187133	44.131	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	155891	49.280	ug/l	99
28) Bromochloromethane	7.19	49	120260	51.552	ug/l	98
29) Tetrahydrofuran	7.22	42	320330	268.854	ug/l	99
30) Chloroform	7.37	83	246396	50.426	ug/l	99
31) Cyclohexane	7.65	56	214493	46.629	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	208143	47.736	ug/l	100
36) 1,1-Dichloropropene	7.79	75	176592	45.054	ug/l	99
37) Ethyl Acetate	6.93	43	196917	51.981	ug/l	98
38) Carbon Tetrachloride	7.77	117	176844	43.315	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	218751	45.069	ug/l	99
40) Benzene	8.04	78	567114	48.009	ug/l	99
41) Methacrylonitrile	7.17	41	86549	45.223	ug/l	91
42) 1,2-Dichloroethane	8.12	62	187917	48.683	ug/l	100
43) Isopropyl Acetate	8.17	43	314460	49.405	ug/l #	91
44) Trichloroethene	8.83	130	156858	47.631	ug/l	100
45) 1,2-Dichloropropane	9.12	63	150073	48.761	ug/l	99
46) Dibromomethane	9.21	93	98398	48.750	ug/l	98
47) Bromodichloromethane	9.40	83	190782	46.096	ug/l	98
48) Methyl methacrylate	9.20	41	155640	53.057	ug/l	98
49) 1,4-Dioxane	9.20	88	66606	1092.633	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	990161	263.402	ug/l	100
52) Toluene	10.15	92	360743	48.556	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	204613	46.315	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	230177	47.031	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	146969	49.380	ug/l	98
56) Ethyl methacrylate	10.43	69	233613	50.788	ug/l	99
57) 1,3-Dichloropropane	10.71	76	240273	49.665	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	448053	254.887	ug/l	99
59) 2-Hexanone	10.75	43	693610	260.095	ug/l	100
60) Dibromochloromethane	10.90	129	158736	45.782	ug/l	100
61) 1,2-Dibromoethane	11.00	107	151685	49.134	ug/l	98
64) Tetrachloroethene	10.63	164	155342	45.515	ug/l	98
65) Chlorobenzene	11.43	112	389677	48.103	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	144199	44.631	ug/l	99
67) Ethyl Benzene	11.51	91	689441	47.459	ug/l	99
68) m/p-Xylenes	11.62	106	531920	96.854	ug/l	99
69) o-Xylene	11.95	106	263036	48.275	ug/l	100
70) Styrene	11.96	104	438862	49.736	ug/l	100
71) Bromoform	12.13	173	116625	42.319	ug/l #	100
73) Isopropylbenzene	12.25	105	685260	53.076	ug/l	99
74) N-amyl acetate	12.07	43	261104	53.102	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	209521	54.952	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	171802m	55.125	ug/l	
77) Bromobenzene	12.53	156	178663	45.987	ug/l	98
78) n-propylbenzene	12.59	91	744963	47.078	ug/l	100
79) 2-Chlorotoluene	12.67	91	452669	53.276	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	569483	52.361	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	58967	43.578	ug/l	94
82) 4-Chlorotoluene	12.77	91	443497	47.680	ug/l	98
83) tert-Butylbenzene	12.99	119	498194	53.055	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	563293	51.844	ug/l	100
85) sec-Butylbenzene	13.17	105	647006	52.929	ug/l	99
86) p-Isopropyltoluene	13.29	119	593724	46.958	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	297980	48.438	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	286353	48.960	ug/l	99
89) n-Butylbenzene	13.61	91	460785	47.564	ug/l	99
90) Hexachloroethane	13.87	117	98013	40.727	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	297243	48.430	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37533	46.526	ug/l	98

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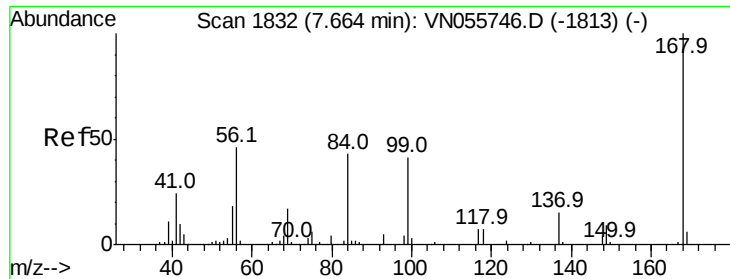
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	153870	44.041	ug/l	99
94) Hexachlorobutadiene	15.01	225	105391	48.747	ug/l	99
95) Naphthalene	15.13	128	437530	51.950	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	163082	50.266	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 296761

Ion Ratio Lower Upper

168 100

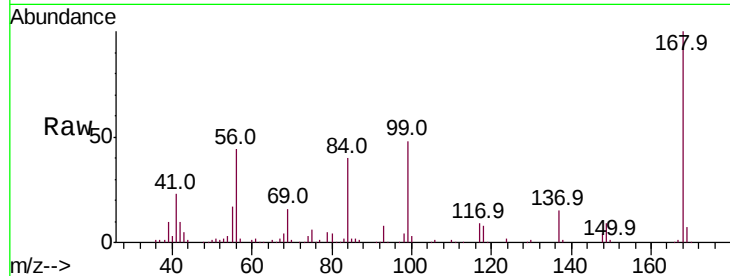
99 47.1 37.2 55.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

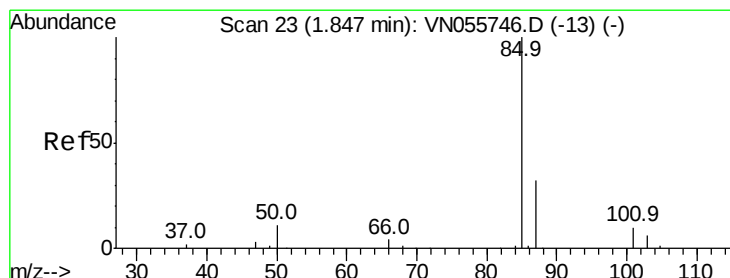
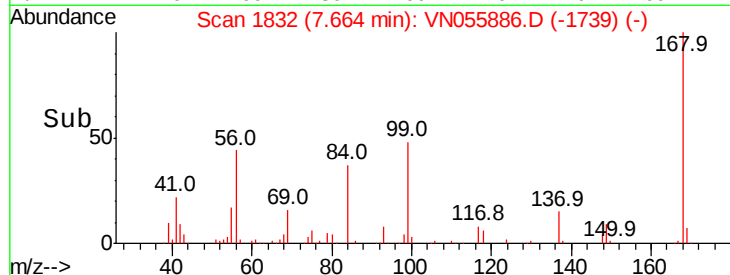
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.416 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055886.D

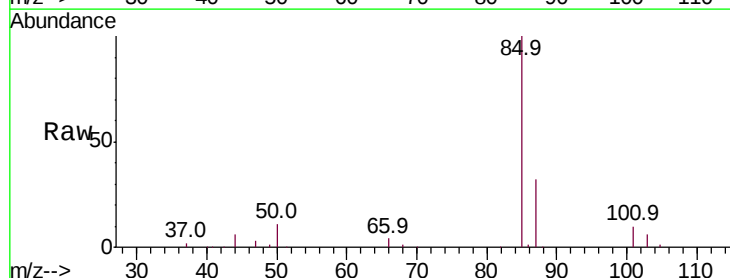
Acq: 29 May 2019 18:43

Tgt Ion: 85 Resp: 88710

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

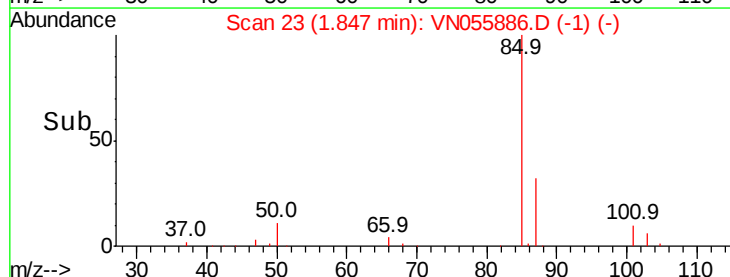
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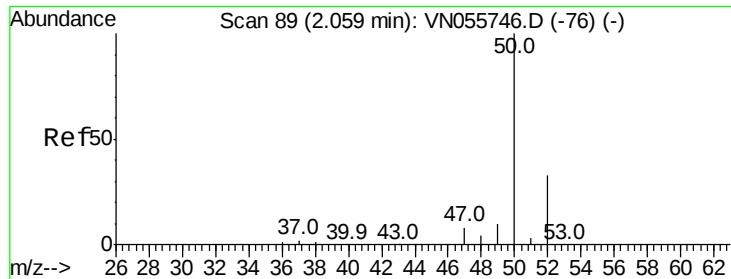
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10000

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Time-->





#3

Chloromethane

Concen: 46.458 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 130003

Ion Ratio Lower Upper

50 100

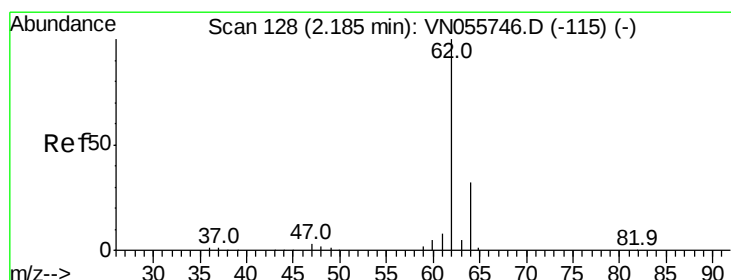
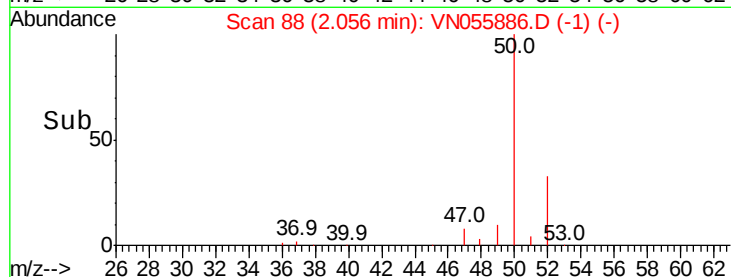
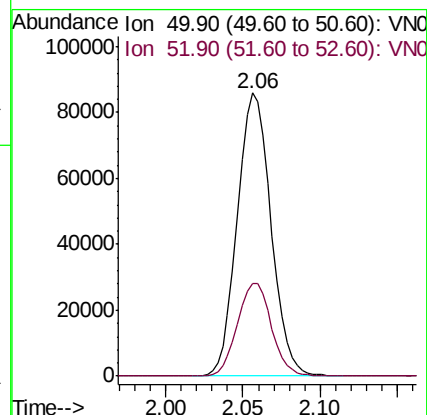
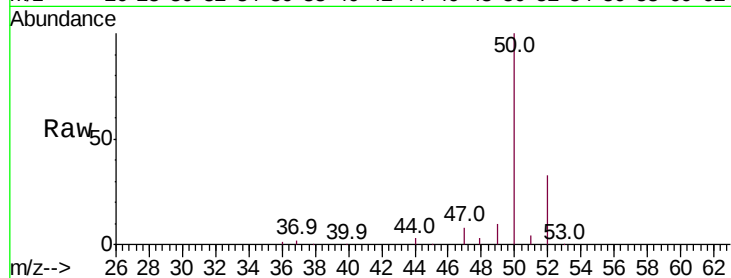
52 32.9 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.411 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055886.D

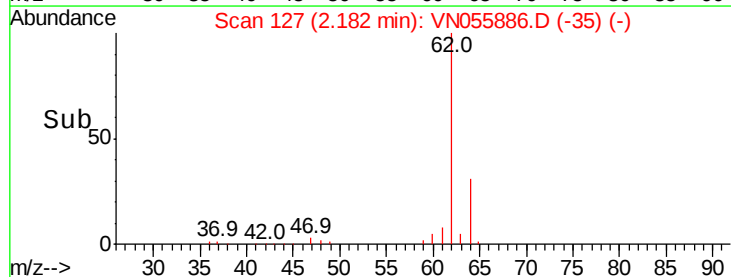
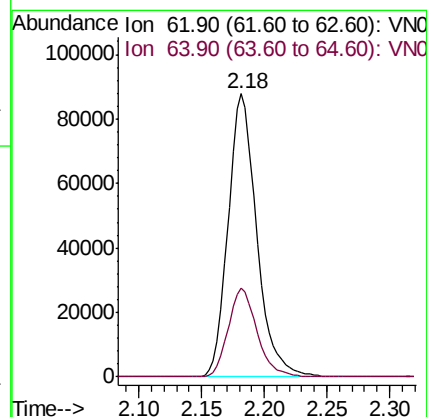
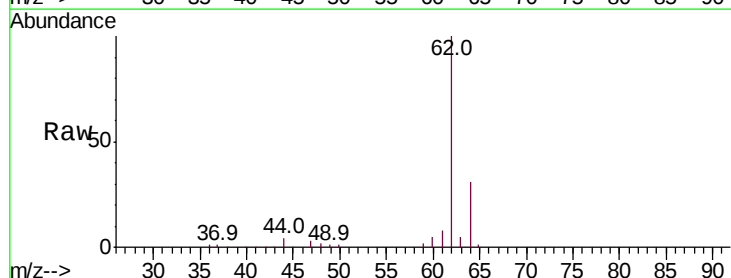
Acq: 29 May 2019 18:43

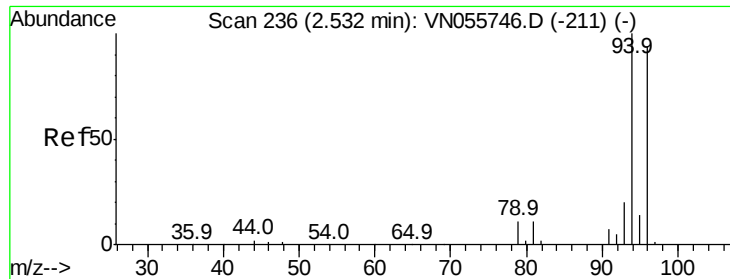
Tgt Ion: 62 Resp: 138522

Ion Ratio Lower Upper

62 100

64 31.2 25.6 38.4





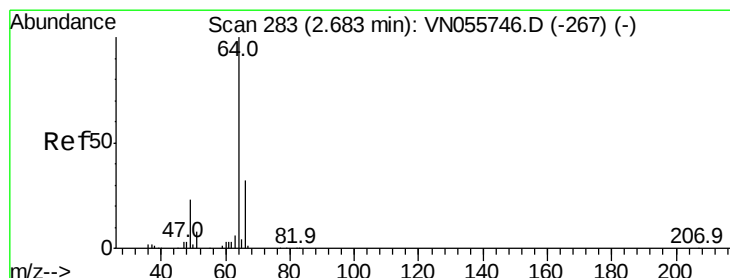
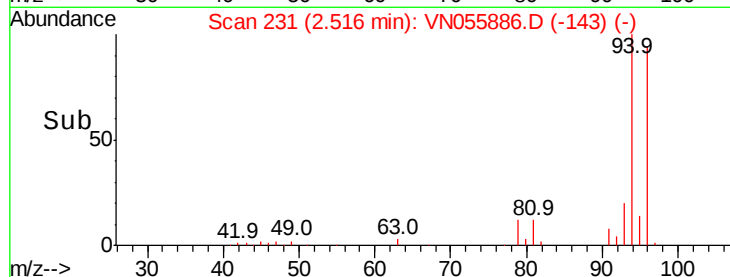
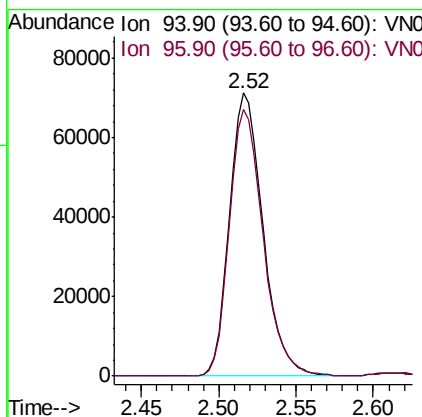
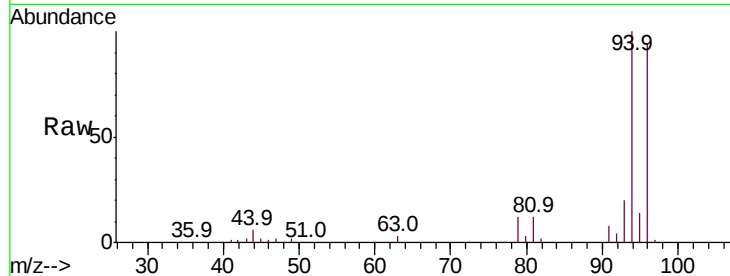
#5
Bromomethane
Concen: 57.160 ug/l
RT: 2.52 min Scan# 231
Delta R.T. -0.02 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
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Tot Ion: 94 Resp: 106732
Ion Ratio Lower Upper
94 100
96 94.3 75.5 113.3

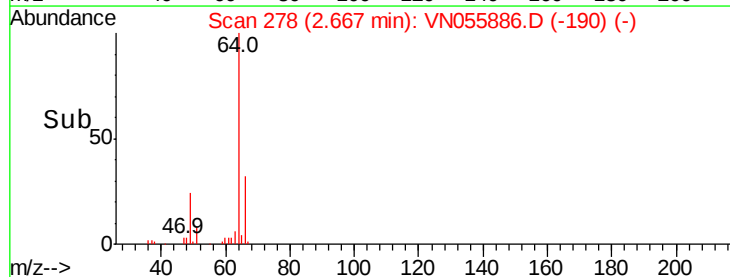
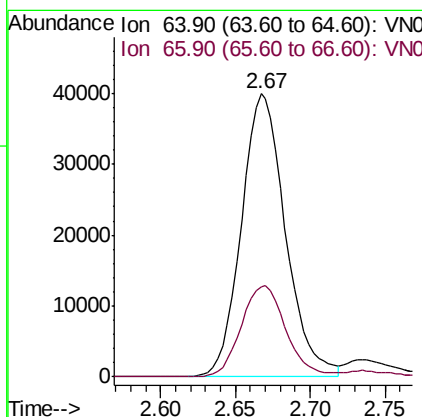
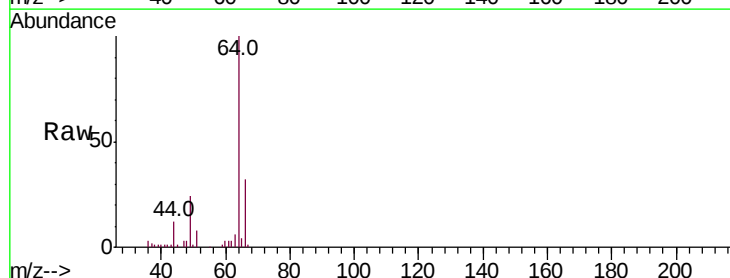
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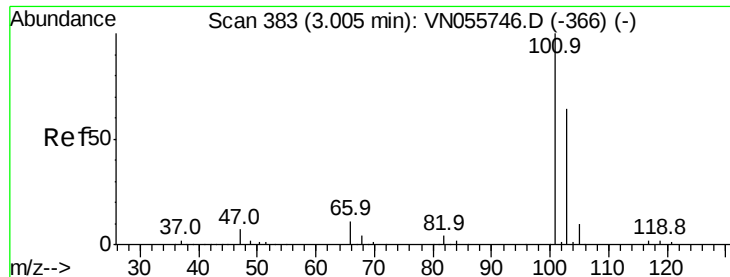
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#6
Chloroethane
Concen: 45.508 ug/l
RT: 2.67 min Scan# 278
Delta R.T. -0.02 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion: 64 Resp: 81776
Ion Ratio Lower Upper
64 100
66 32.0 25.4 38.0





#7

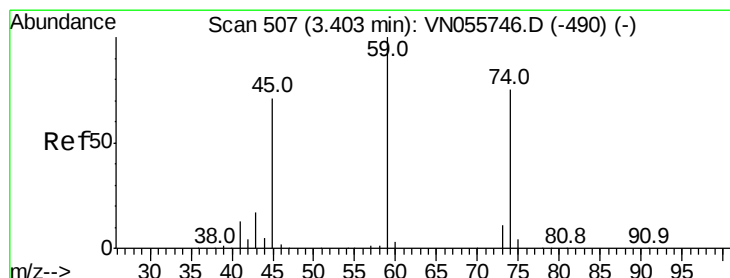
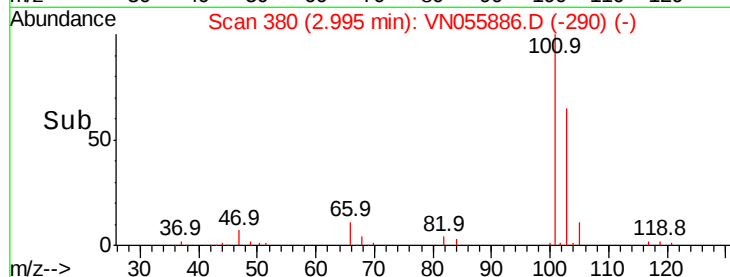
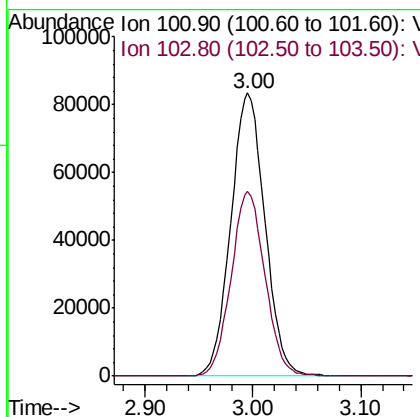
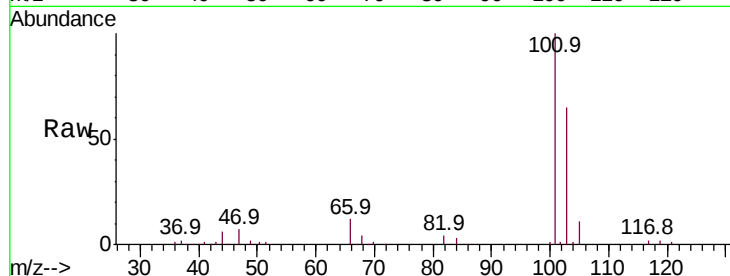
Trichlorofluoromethane
 Concen: 46.980 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Instrument :
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 ClientSampleId :
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Tot Ion:101 Resp: 183832
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.2 76.8

Manual Integrations
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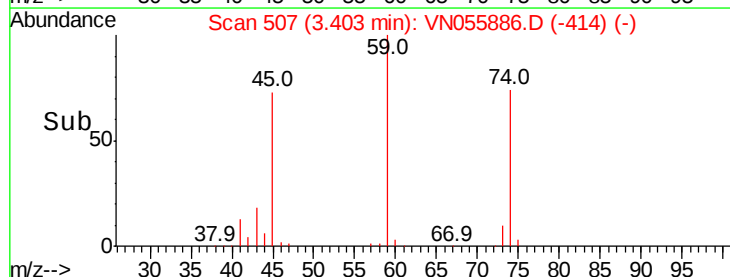
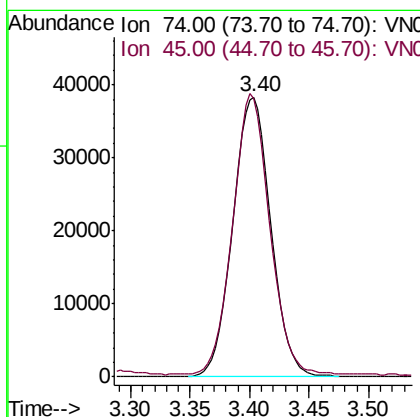
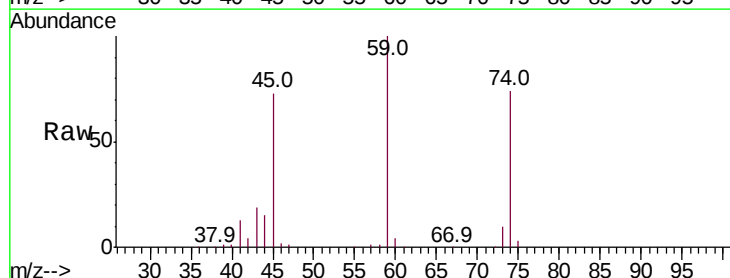
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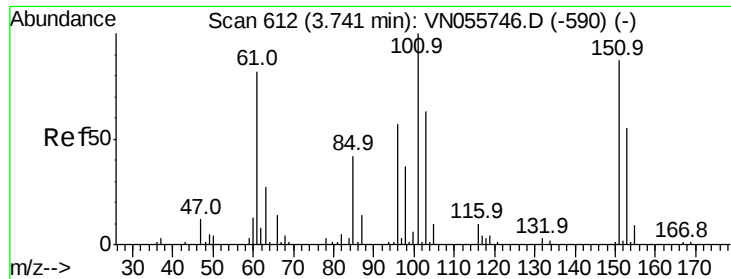


#8

Diethyl Ether
 Concen: 48.289 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Tgt Ion: 74 Resp: 84690
 Ion Ratio Lower Upper
 74 100
 45 97.5 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.911 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 117028

Ion Ratio Lower Upper

101 100

85 41.7 33.4 50.2

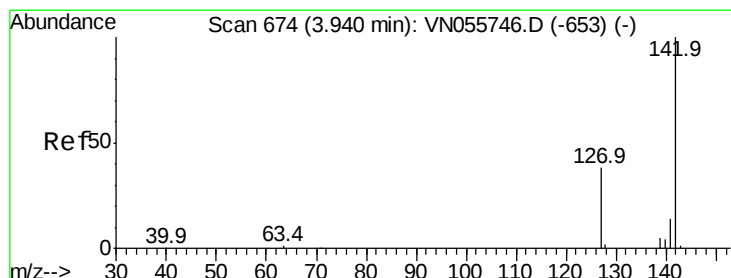
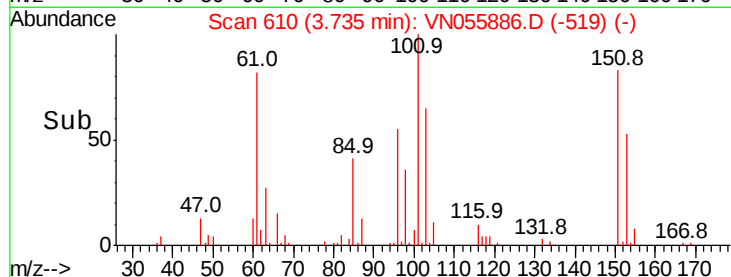
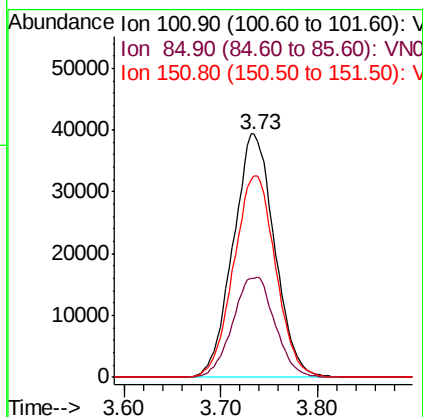
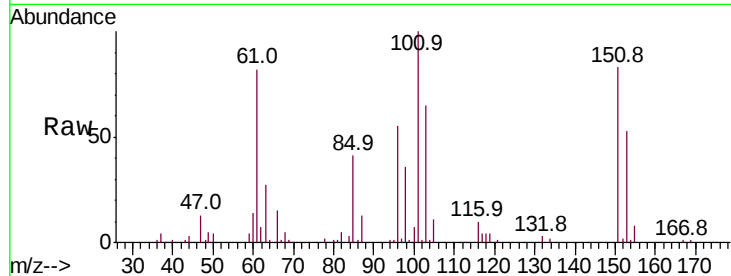
151 83.9 69.4 104.2

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#10

Methyl Iodide

Concen: 50.884 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.01 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

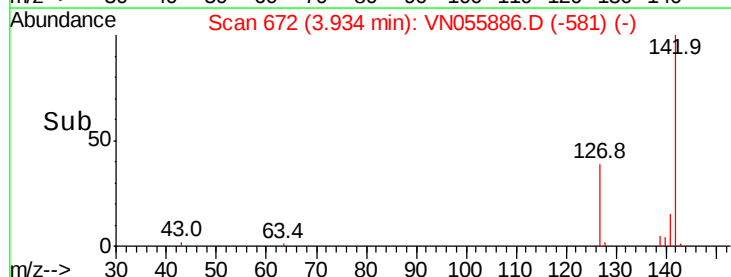
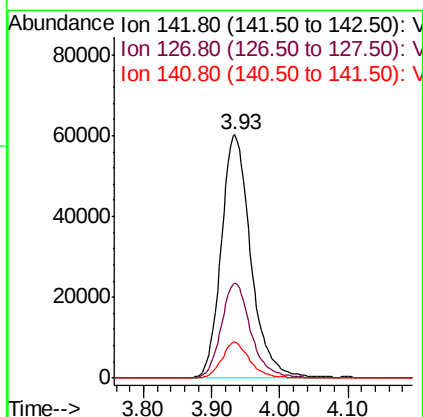
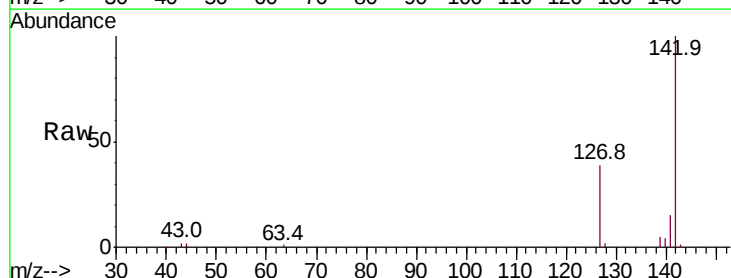
Tgt Ion:142 Resp: 181712

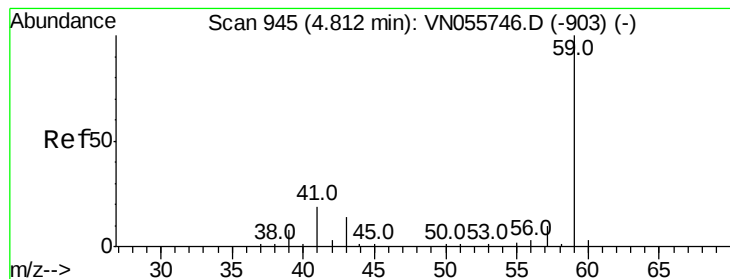
Ion Ratio Lower Upper

142 100

127 39.0 31.0 46.4

141 14.0 11.4 17.0





#11

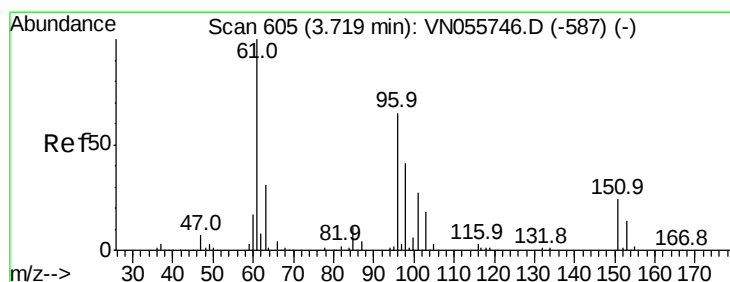
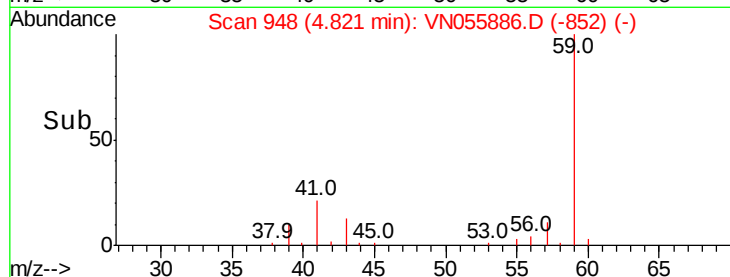
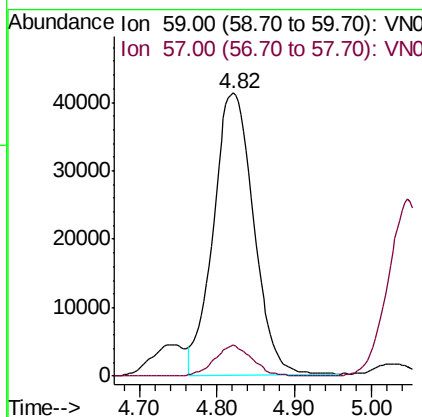
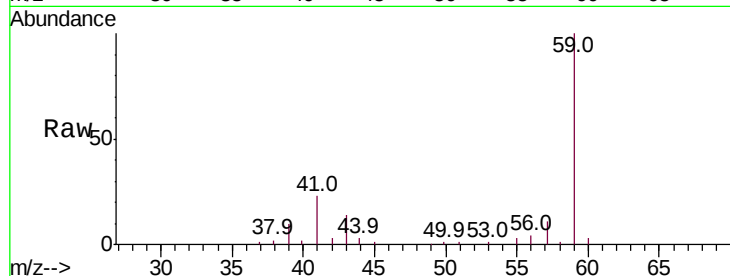
Tert butyl alcohol
 Concen: 254.913 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.6

Manual Integrations
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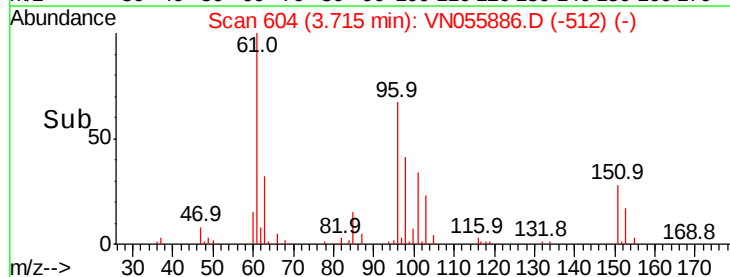
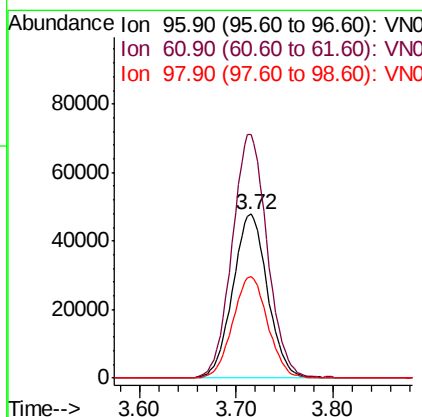
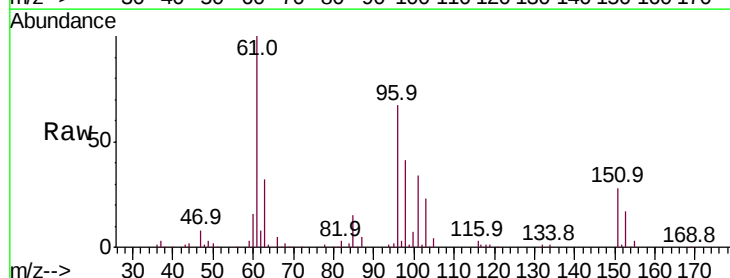
MMDadoda
 5/30/2019 9:35:36 AM

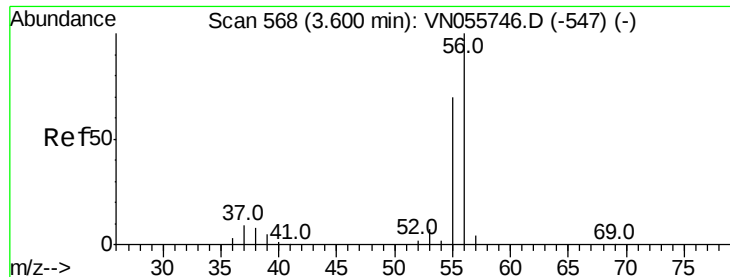


#12

1,1-Dichloroethene
 Concen: 47.438 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.8	123.2	184.8
98	61.7	50.4	75.6





#13

Acrolein

Concen: 231.261 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 96965

Ion Ratio Lower Upper

56 100

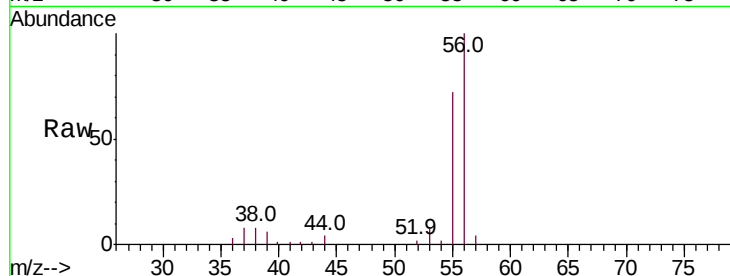
55 70.9 55.4 83.2

Manual Integrations

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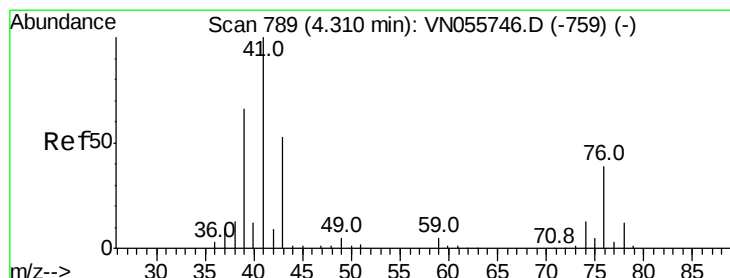
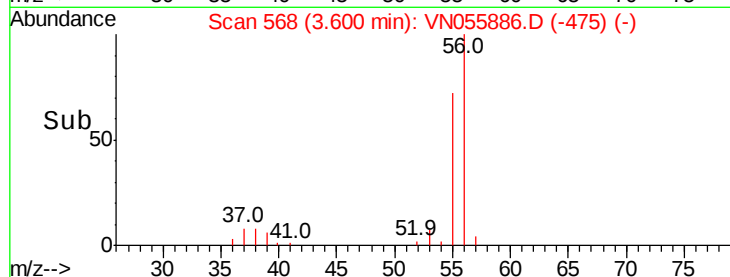
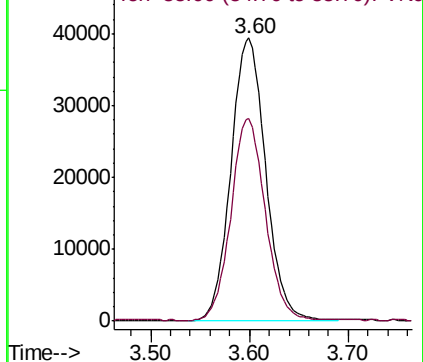
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.798 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

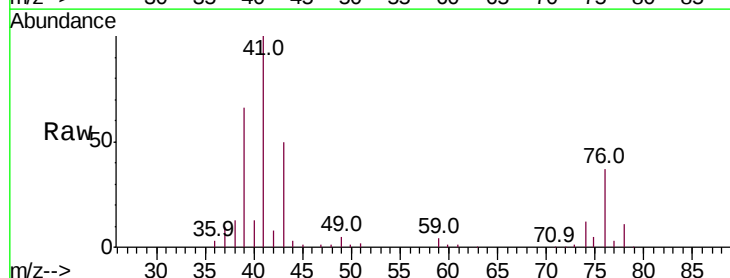
Tgt Ion: 41 Resp: 206807

Ion Ratio Lower Upper

41 100

39 62.0 50.0 75.0

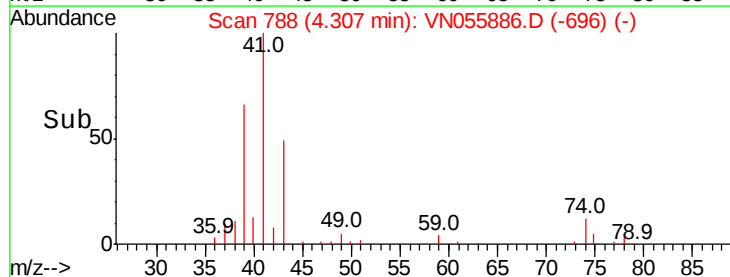
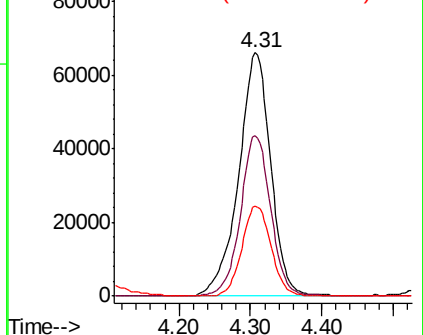
76 33.5 28.2 42.2

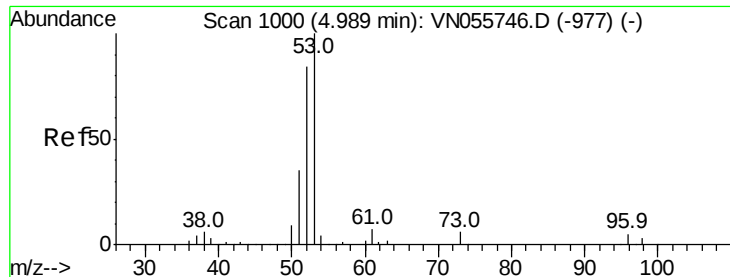


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 266.254 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

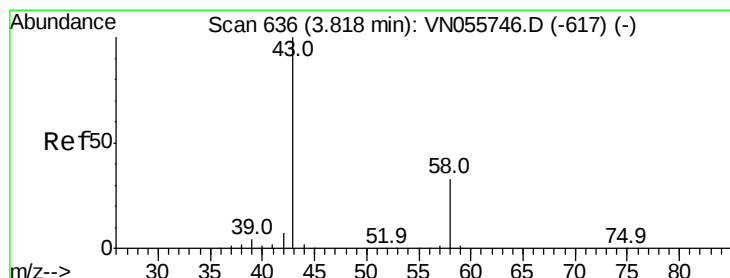
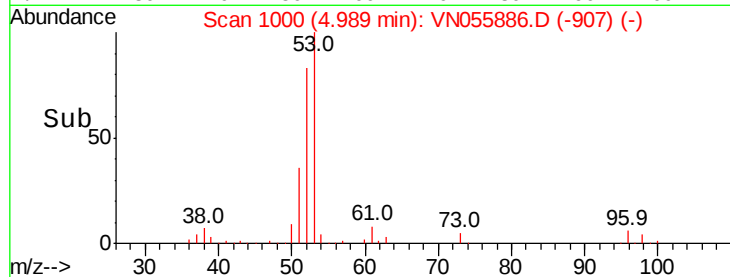
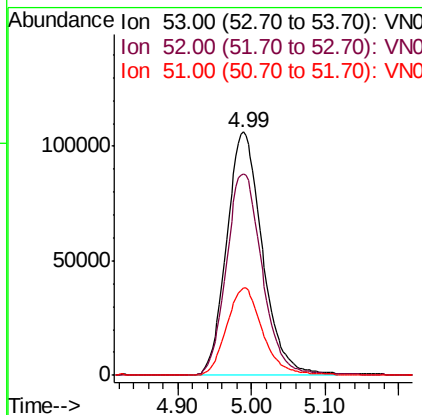
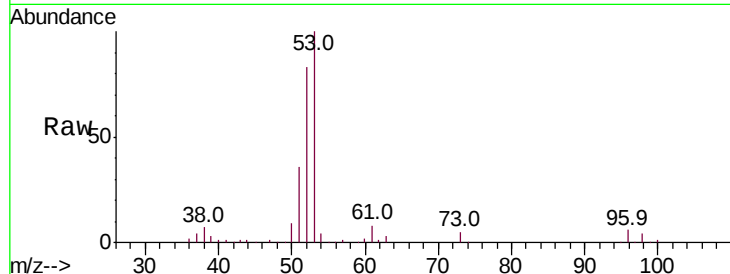
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	358007
Ion Ratio	Lower	Upper	
53	100		
52	83.5	65.8	98.8
51	36.6	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 237.628 ug/l

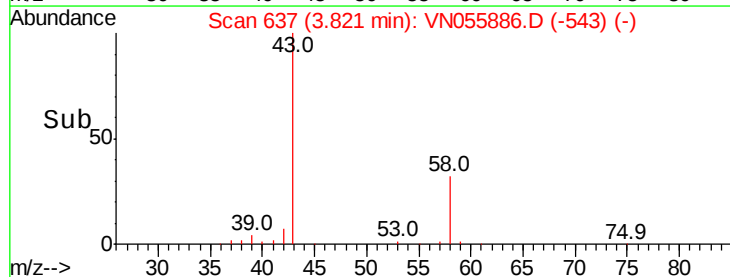
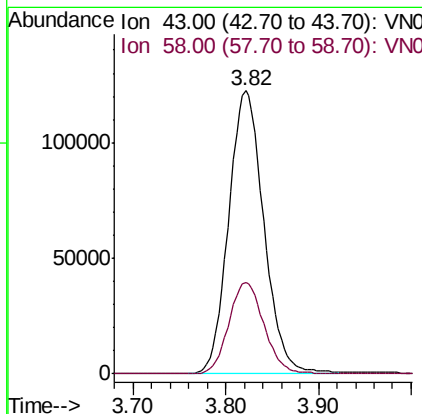
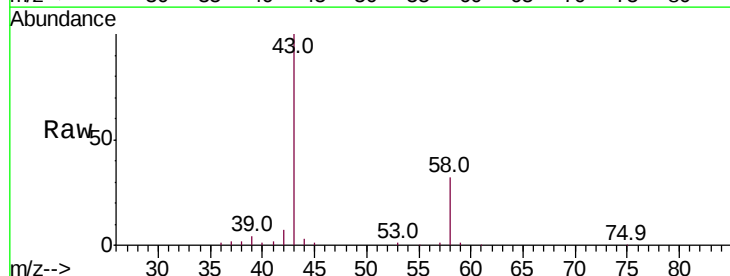
RT: 3.82 min Scan# 637

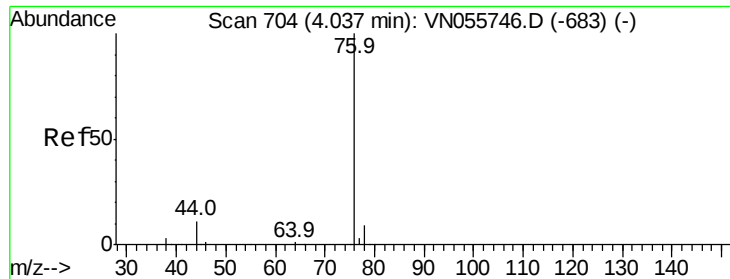
Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Tgt Ion:	43	Resp:	320128
Ion Ratio	Lower	Upper	
43	100		
58	32.4	26.6	39.8





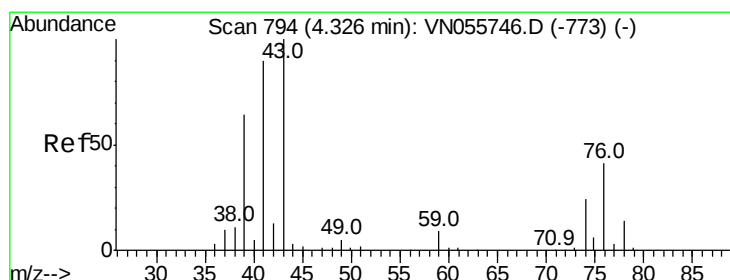
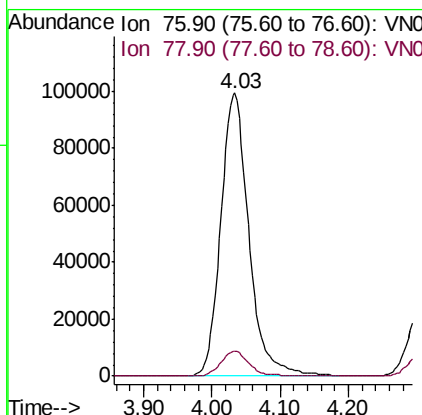
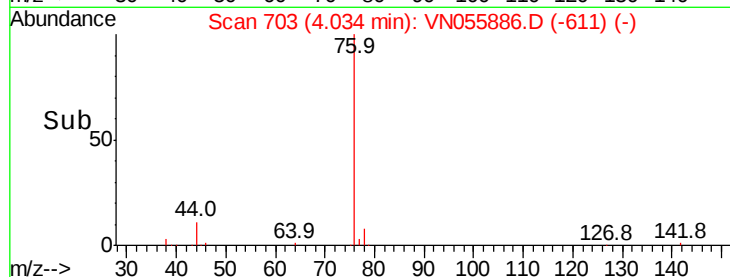
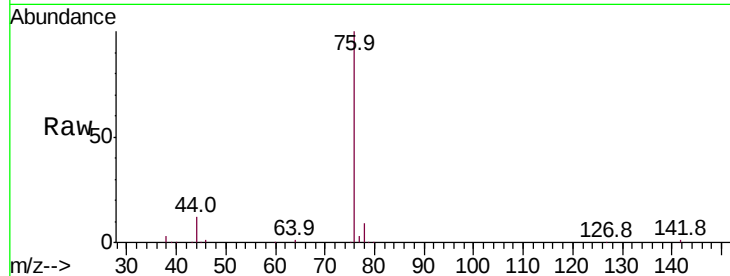
#17
Carbon Disulfide
Concen: 39.688 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

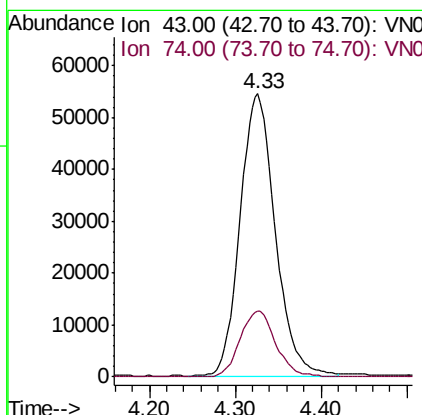
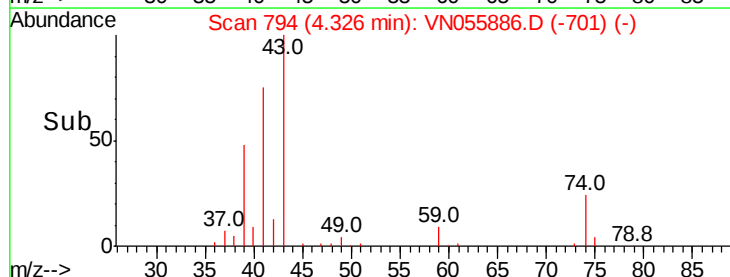
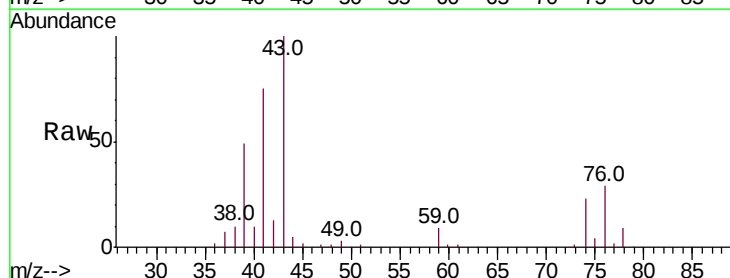
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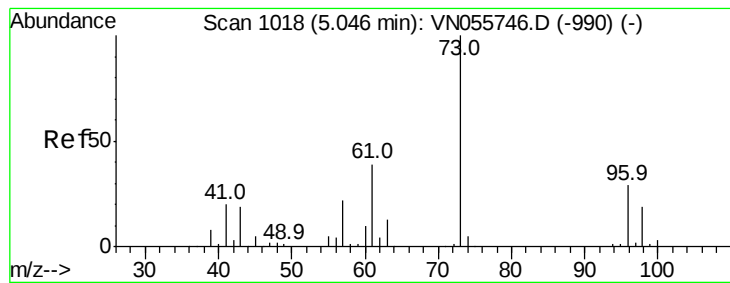
MMDadoda
5/30/2019 9:35:36 AM



#18
Methyl Acetate
Concen: 57.242 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.3	28.9





#19

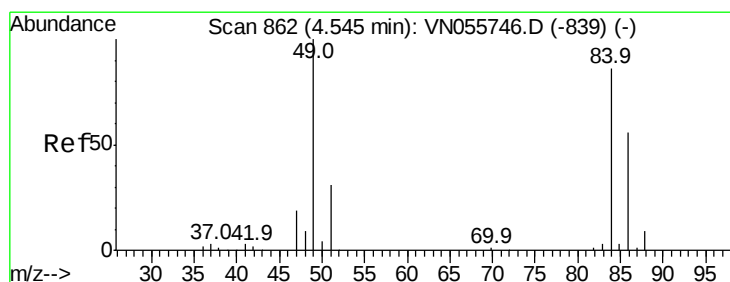
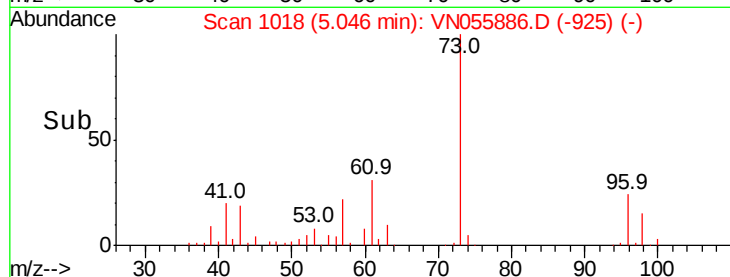
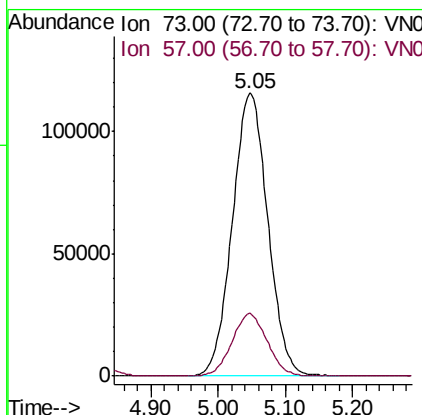
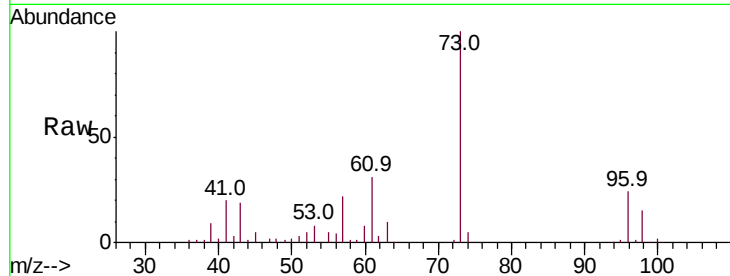
Methyl tert-butyl Ether
 Concen: 50.322 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 423581
 Ion Ratio Lower Upper
 73 100
 57 22.3 17.8 26.8

Manual Integrations
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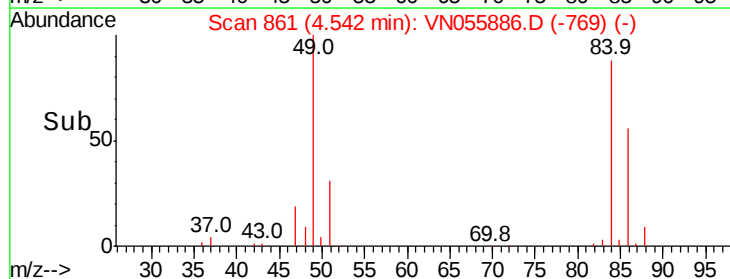
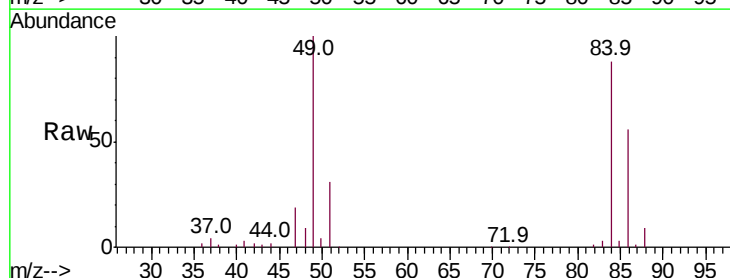
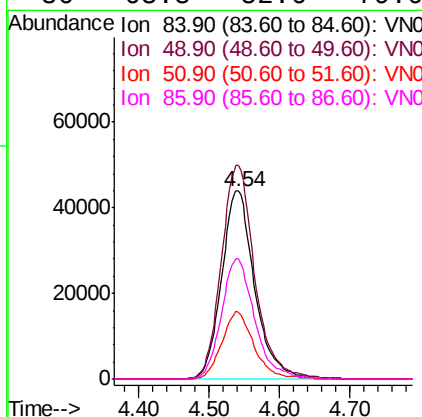
MMDadoda
 5/30/2019 9:35:36 AM

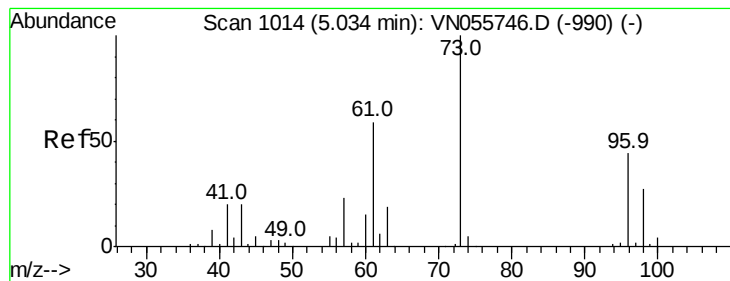


#20

Methylene Chloride
 Concen: 49.322 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Tgt Ion: 84 Resp: 143899
 Ion Ratio Lower Upper
 84 100
 49 113.4 93.5 140.3
 51 35.7 28.6 43.0
 86 63.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 47.866 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 129786

Ion Ratio Lower Upper

96 100

61 129.6 107.8 161.8

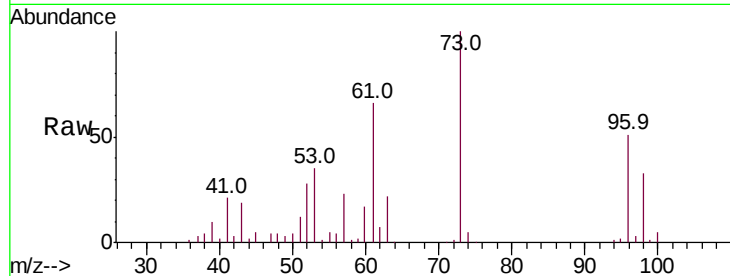
98 64.7 49.8 74.8

Manual Integrations

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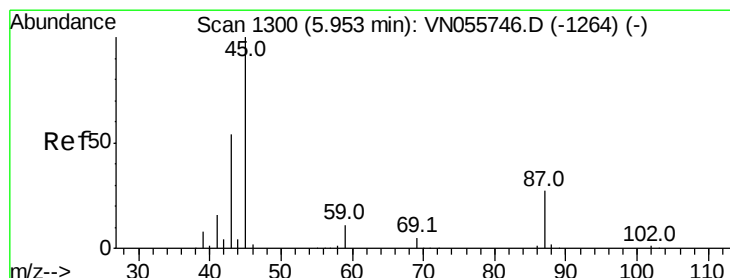
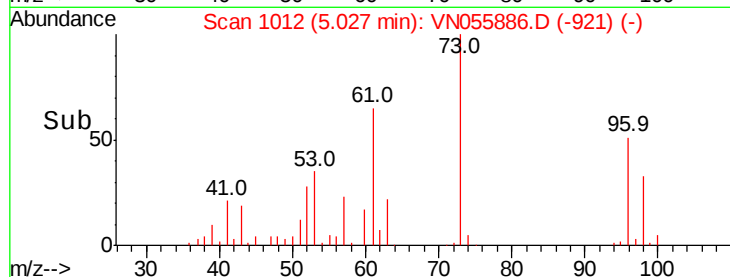
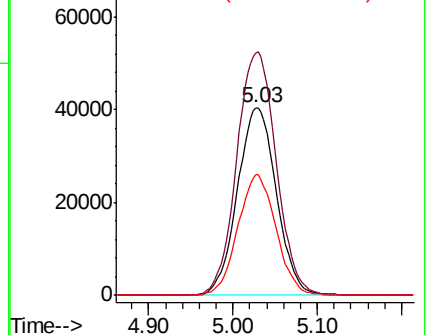
5/30/2019 9:35:36 AM



Abundance Ion 95.90 (95.60 to 96.60): VN055746.D (-990) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-990) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-990) (-)



#22

Diisopropyl ether

Concen: 51.540 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Tgt Ion: 45 Resp: 433718

Ion Ratio Lower Upper

45 100

43 57.6 45.0 67.6

87 27.9 22.2 33.4

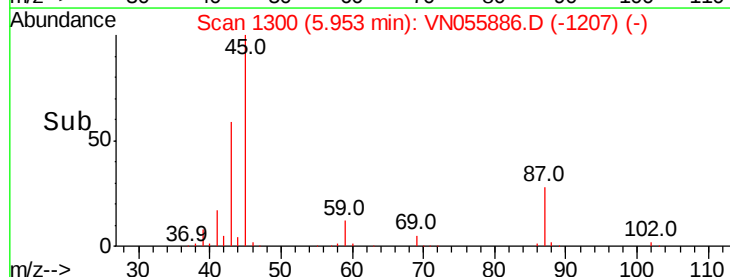
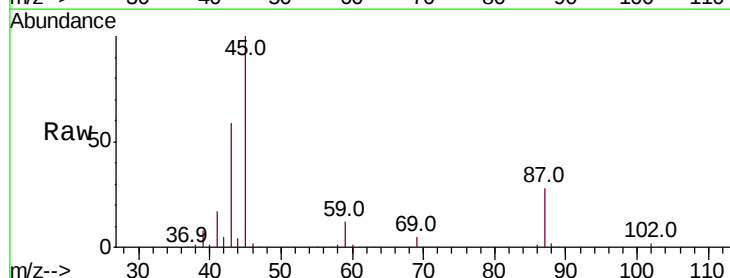
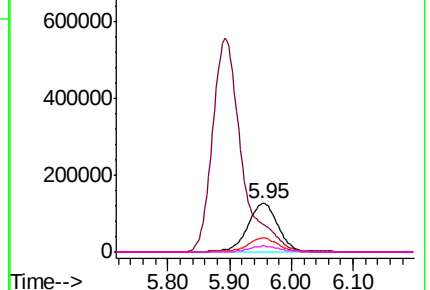
59 11.8 9.1 13.7

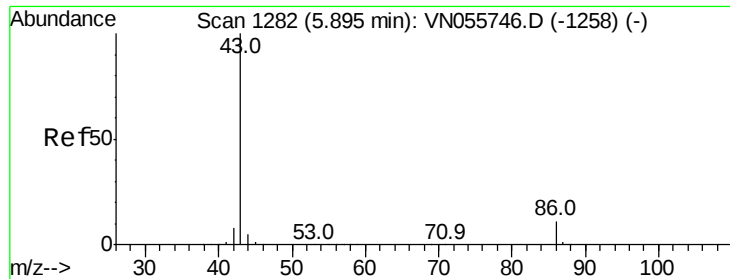
Abundance Ion 45.00 (44.70 to 45.70): VN055746.D (-1264) (-)

Ion 43.00 (42.70 to 43.70): VN055746.D (-1264) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1264) (-)

Ion 59.00 (58.70 to 59.70): VN055746.D (-1264) (-)





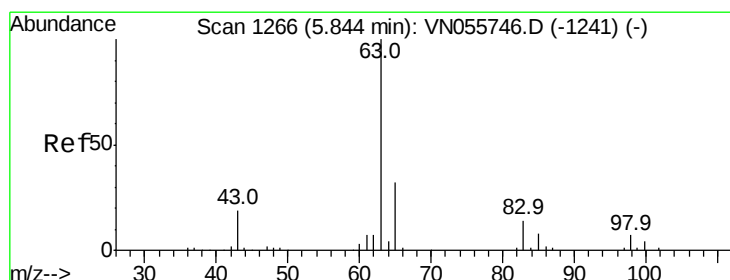
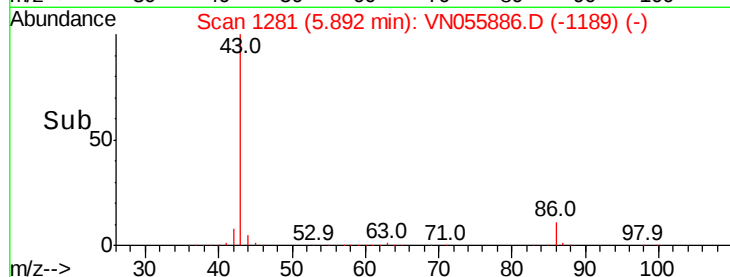
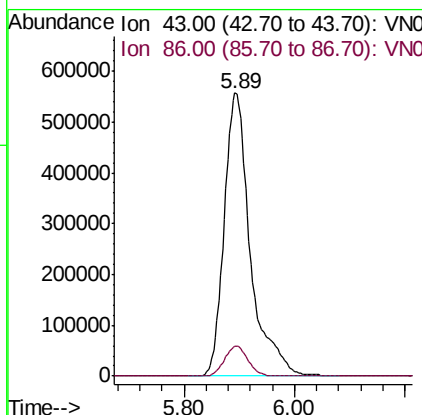
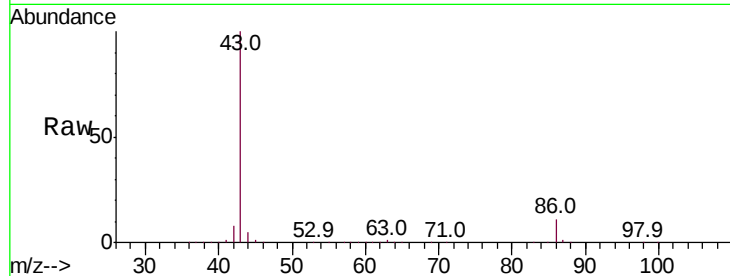
#23
 Vinyl Acetate
 Concen: 254.378 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1835358
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.6 13.0

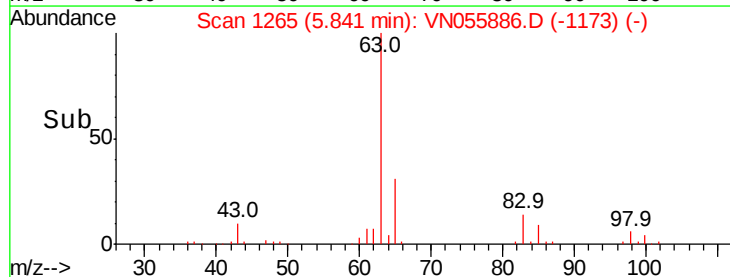
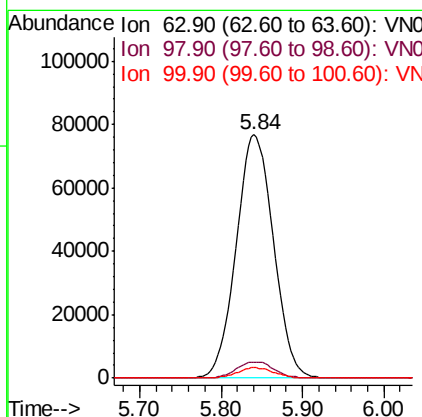
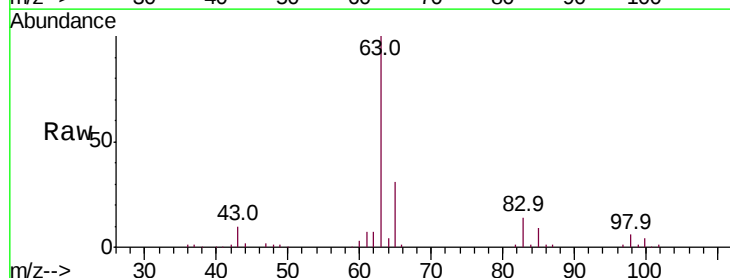
Manual Integrations
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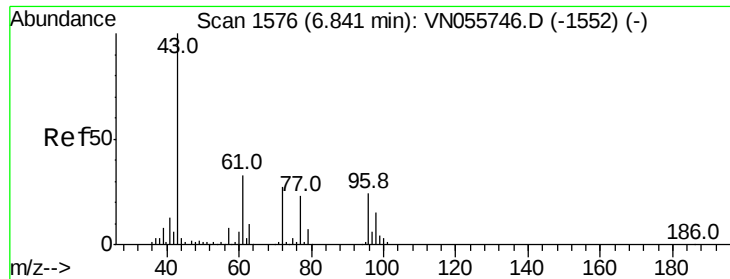
MMDadoda
 5/30/2019 9:35:36 AM



#24
 1,1-Dichloroethane
 Concen: 49.600 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Tgt Ion: 63 Resp: 243021
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.1
 100 4.5 2.2 6.6





#25

2-Butanone

Concen: 265.938 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 500347

Ion Ratio Lower Upper

43 100

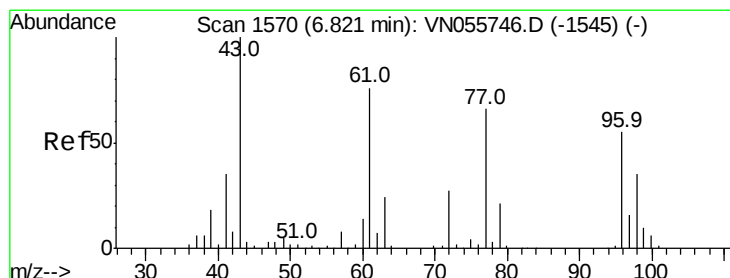
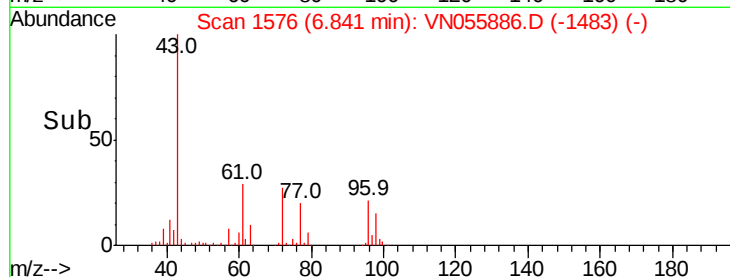
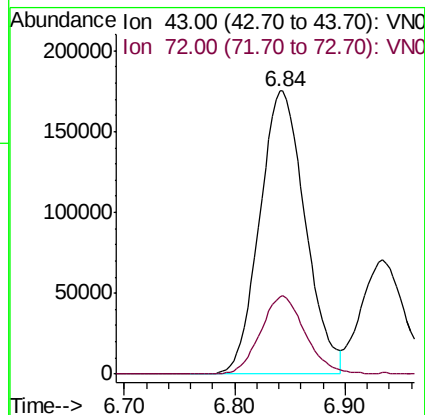
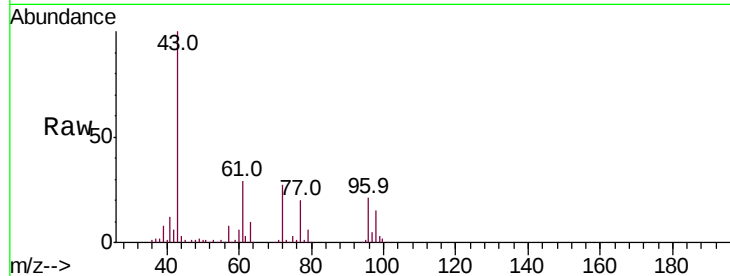
72 27.3 21.9 32.9

Manual Integrations

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MMDadoda

5/30/2019 9:35:36 AM



#26

2,2-Dichloropropane

Concen: 44.131 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN055886.D

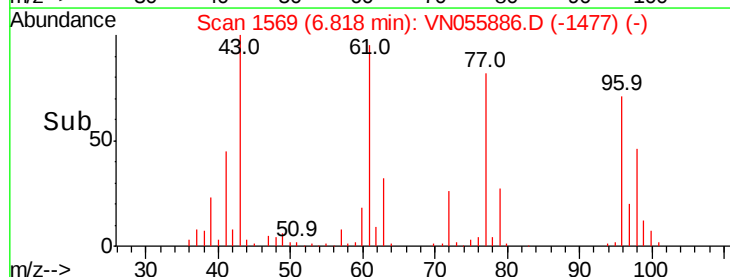
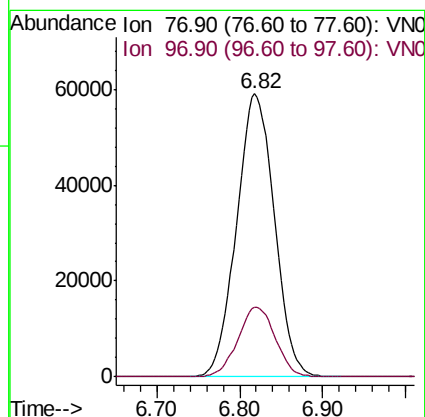
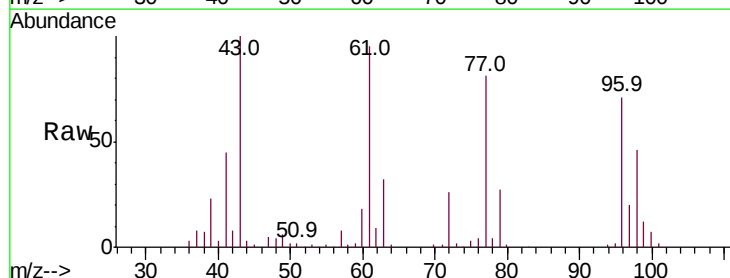
Acq: 29 May 2019 18:43

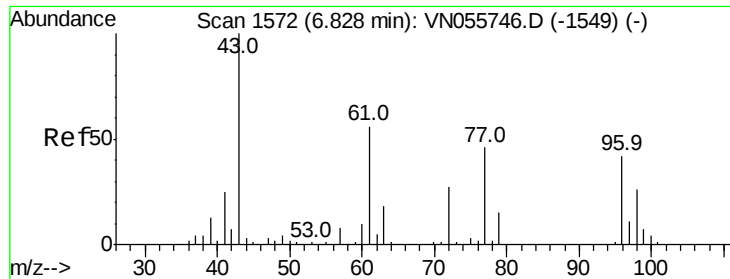
Tgt Ion: 77 Resp: 187133

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.280 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

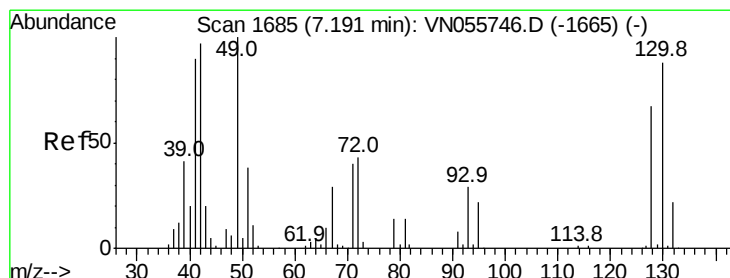
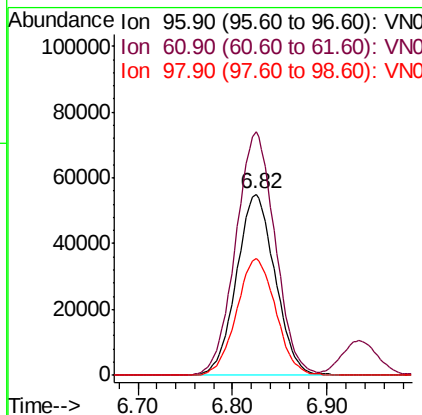
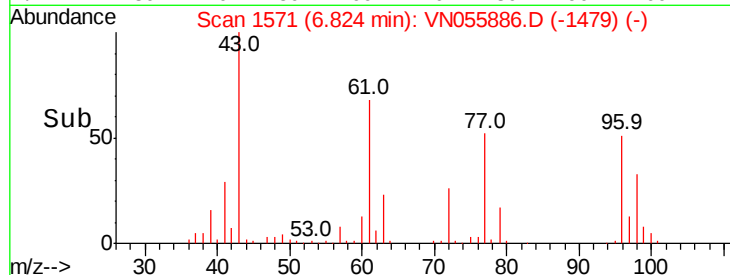
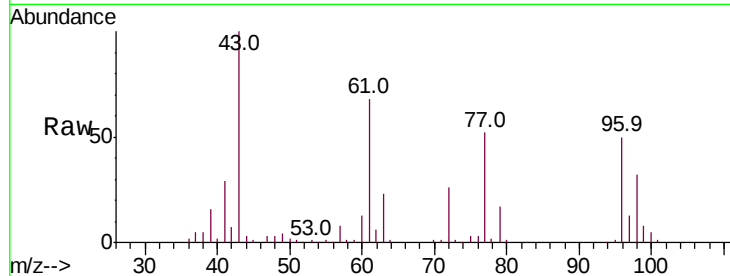
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	155891
Ion Ratio	Lower	Upper	
96	100		
61	137.3	0.0	275.8
98	65.6	0.0	128.4

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#28

Bromochloromethane

Concen: 51.552 ug/l

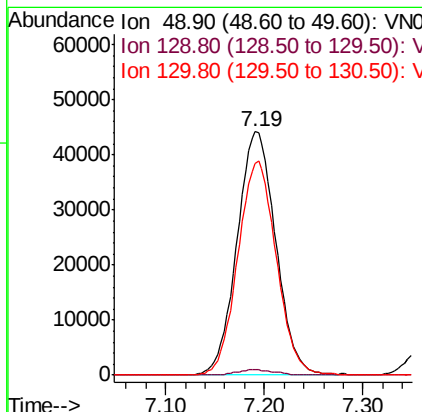
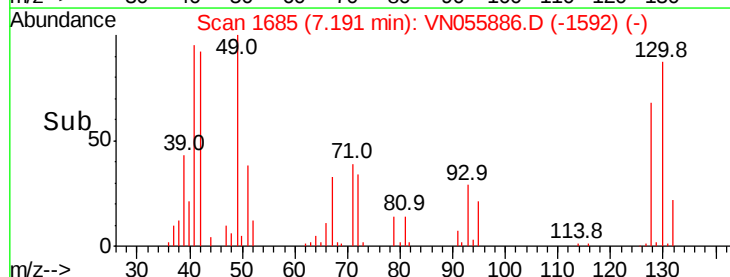
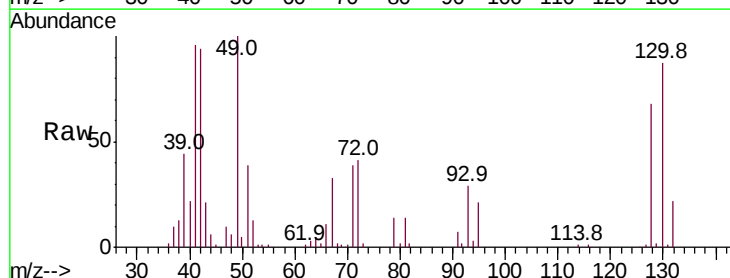
RT: 7.19 min Scan# 1685

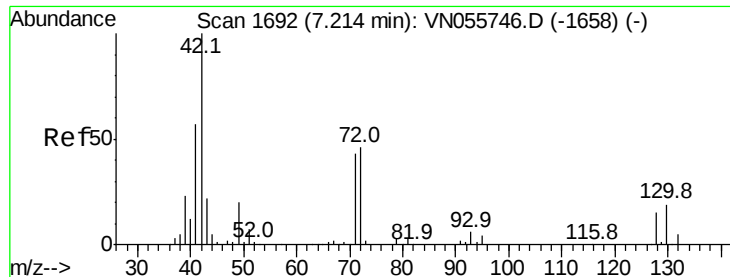
Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Tgt Ion:	49	Resp:	120260
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.4
130	87.2	71.2	106.8





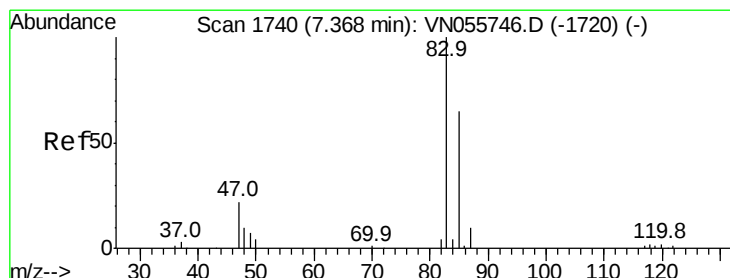
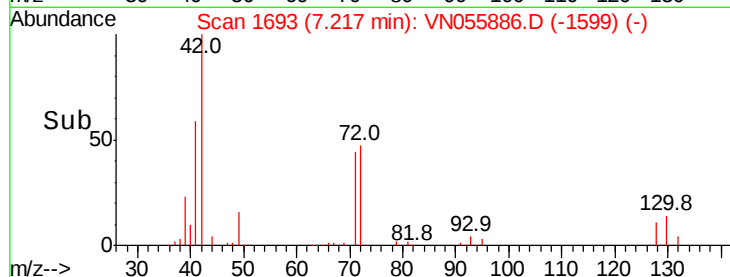
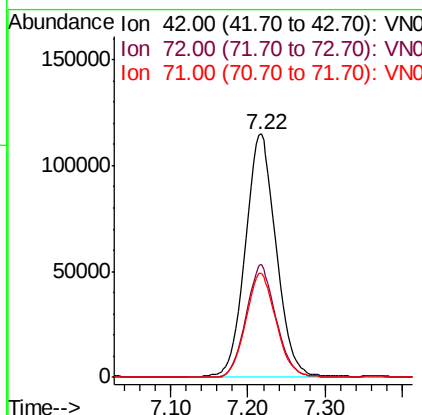
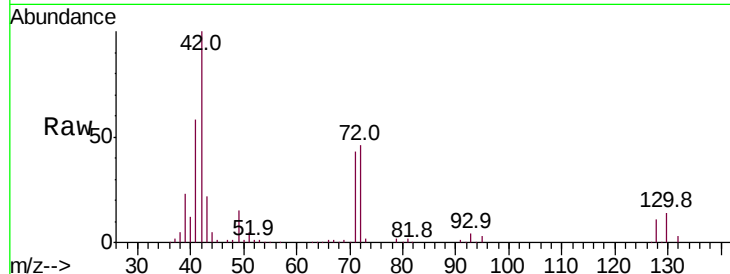
#29
Tetrahydrofuran
Concen: 268.854 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.9	53.9
71	42.1	34.0	51.0

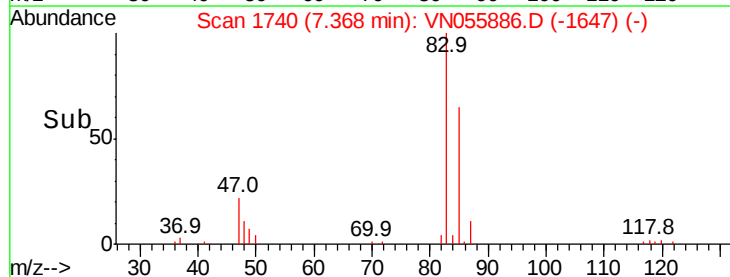
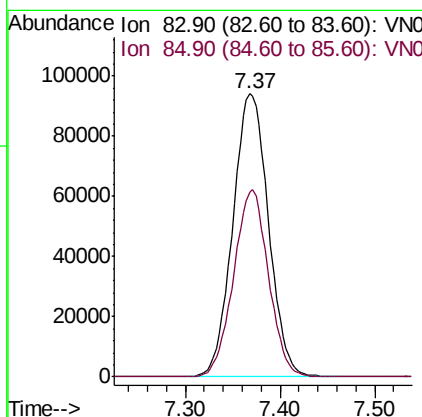
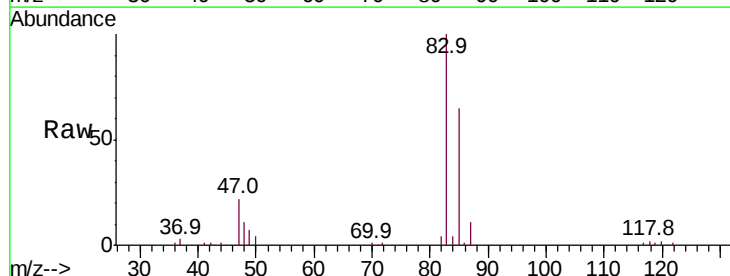
Manual Integrations
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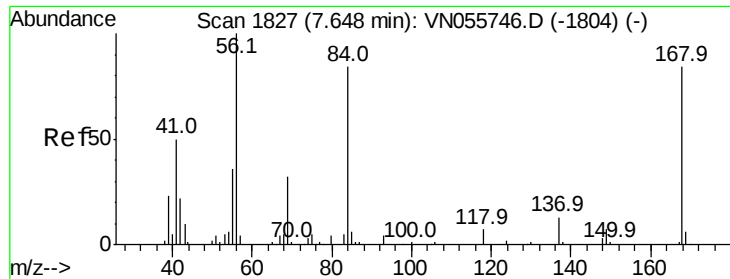
MMDadoda
5/30/2019 9:35:36 AM



#30
Chloroform
Concen: 50.426 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.8	77.8





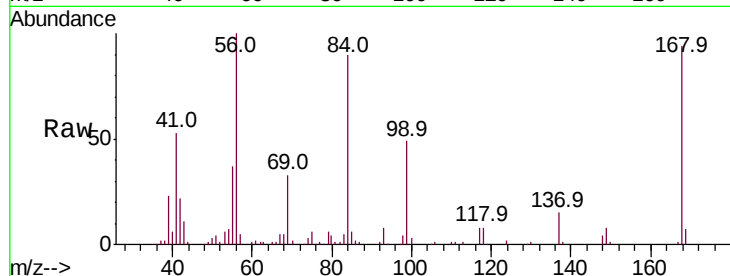
#31
Cyclohexane
Concen: 46.629 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.6	38.4
84	88.8	67.4	101.0

Manual Integrations
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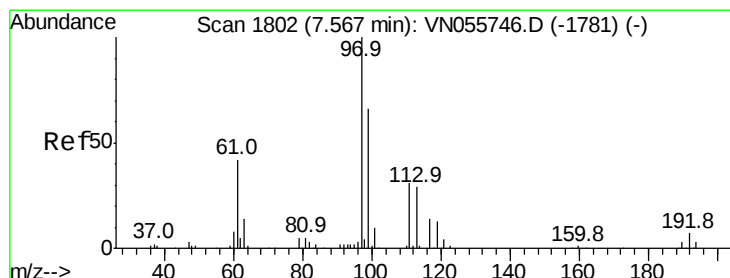
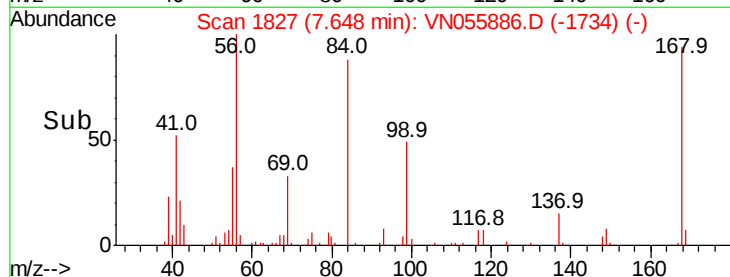
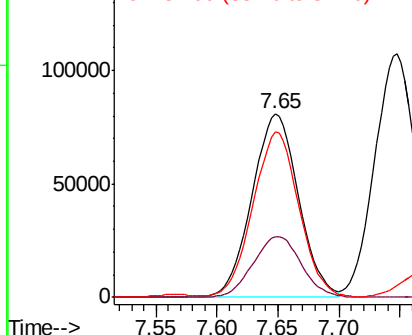


Abundance

Ion 56.00 (55.70 to 56.70): VNO

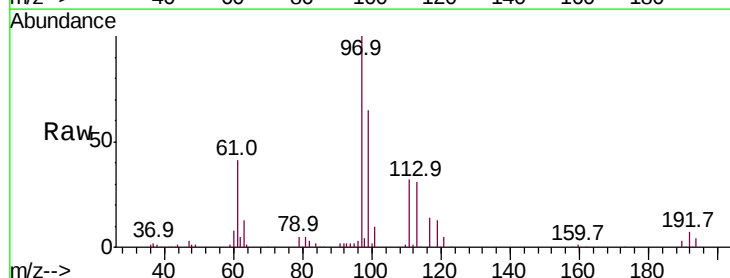
Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32
1,1,1-Trichloroethane
Concen: 47.736 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	41.2	32.9	49.3

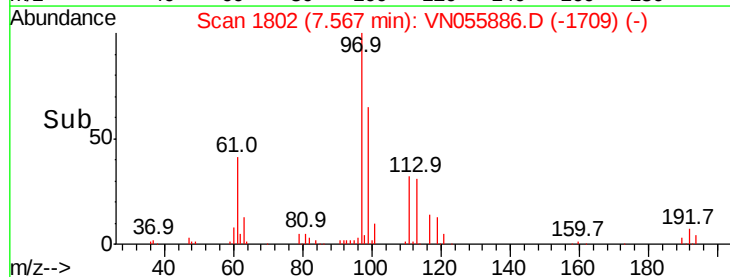
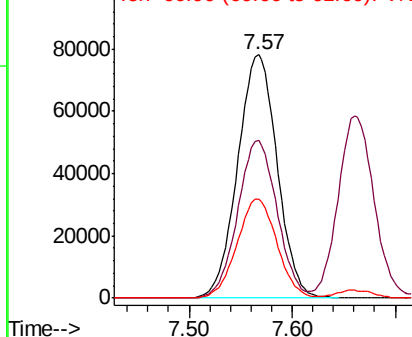


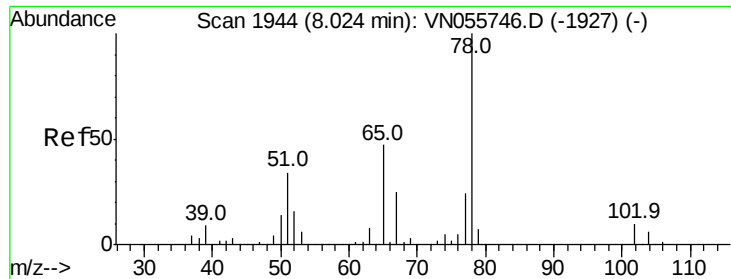
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





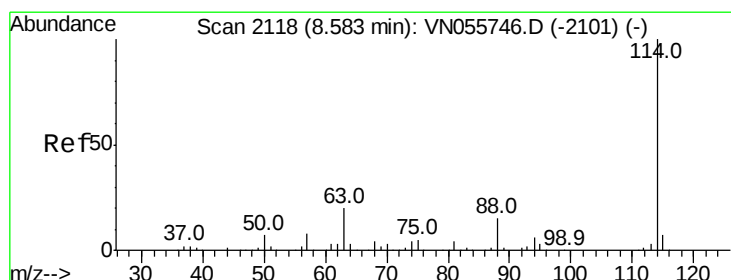
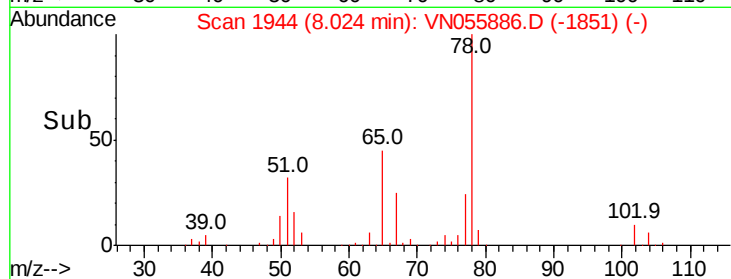
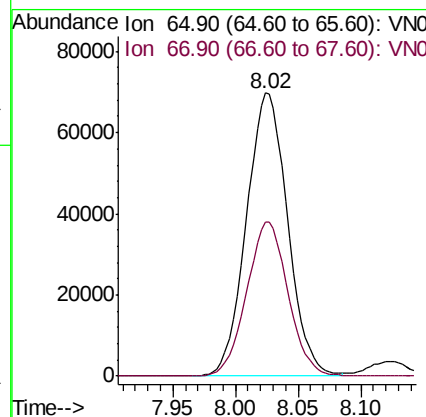
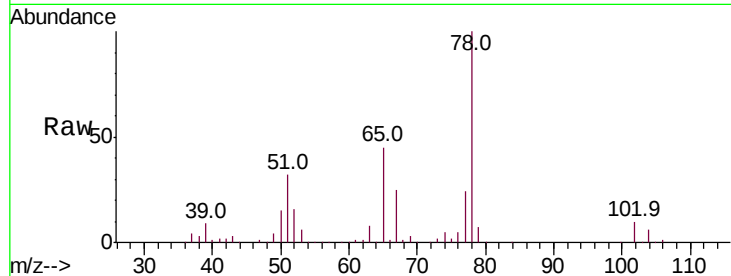
#33
 1,2-Dichloroethane-d4
 Concen: 52.036 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	159476		
67	54.7	0.0	109.2	

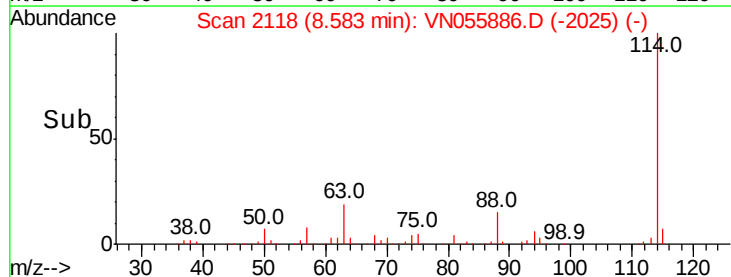
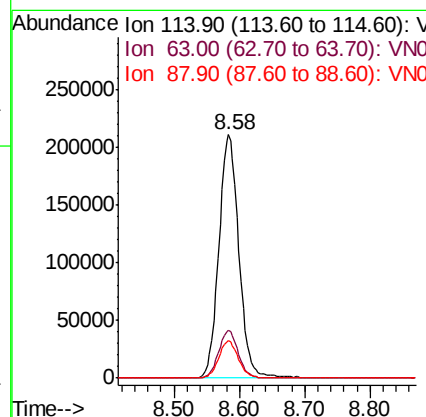
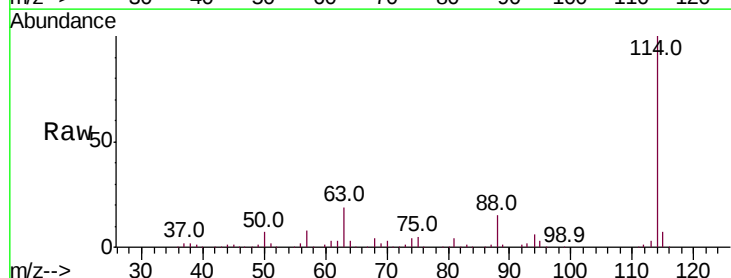
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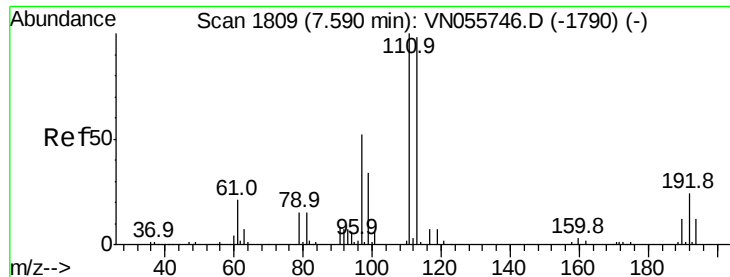
MMDadoda
 5/30/2019 9:35:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	449769		
63	19.5	0.0	39.2	
88	15.4	0.0	31.0	





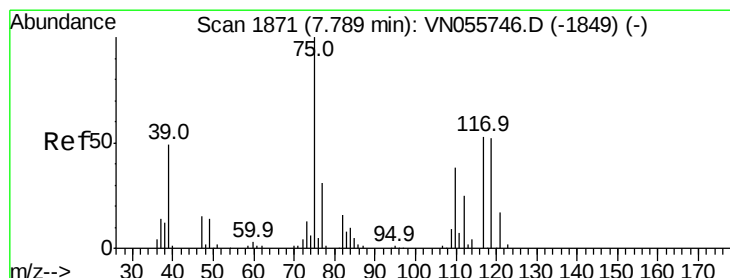
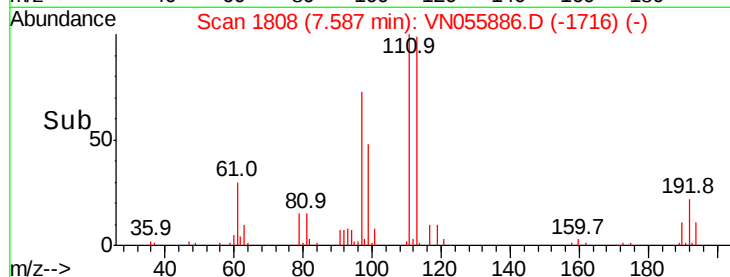
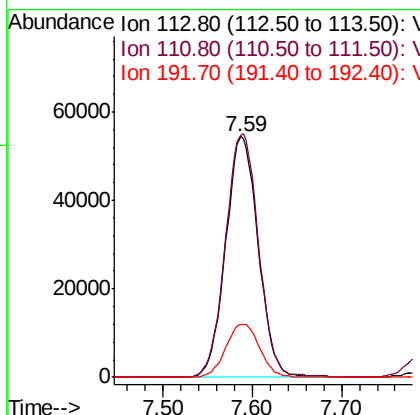
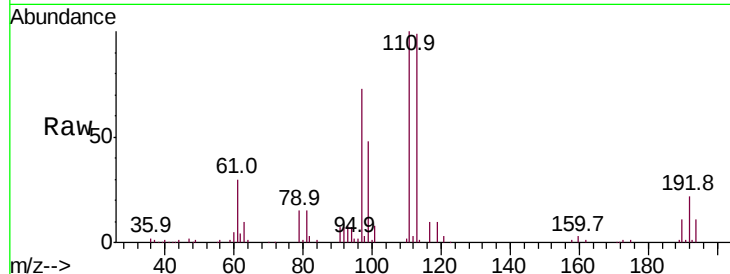
#35
 Dibromofluoromethane
 Concen: 48.464 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	81.9	122.9	
192	22.8	19.5	29.3	

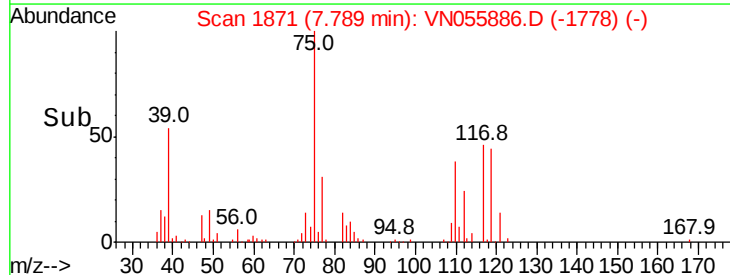
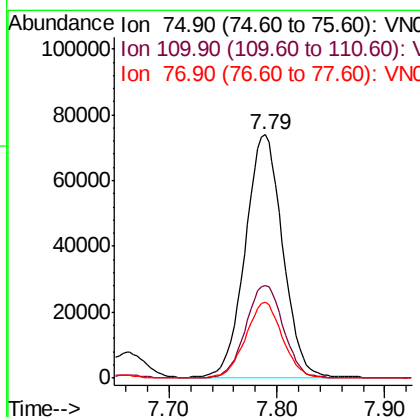
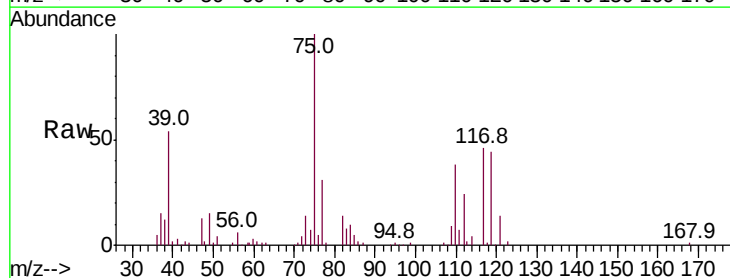
Manual Integrations
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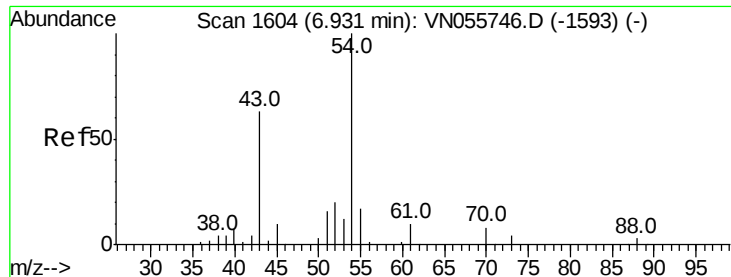
MMDadoda
 5/30/2019 9:35:36 AM



#36
 1,1-Dichloropropene
 Concen: 45.054 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.8	19.0	57.0	
77	31.2	25.1	37.7	





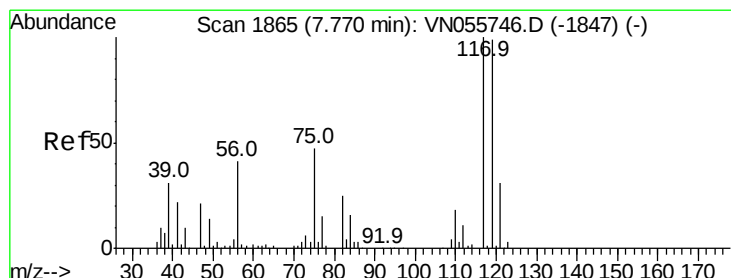
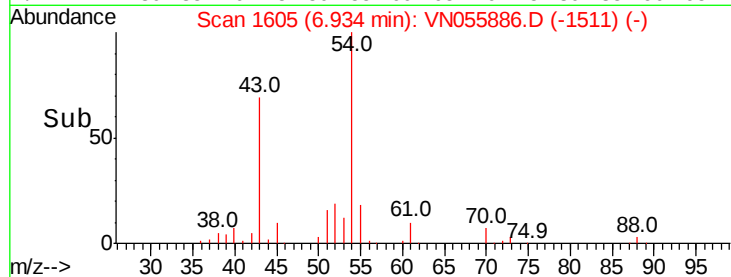
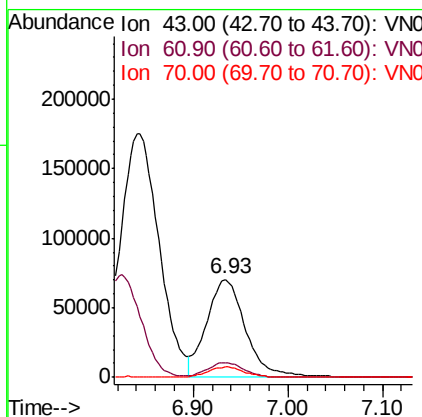
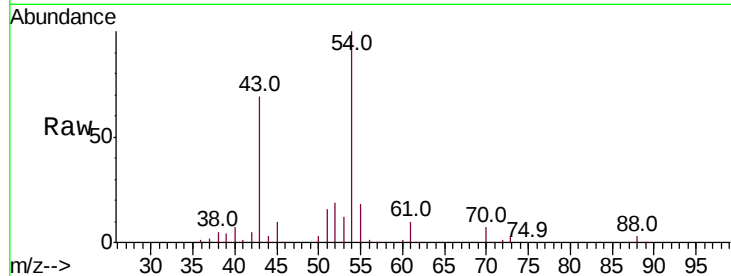
#37
Ethyl Acetate
Concen: 51.981 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.2	18.2
70	10.4	8.9	13.3

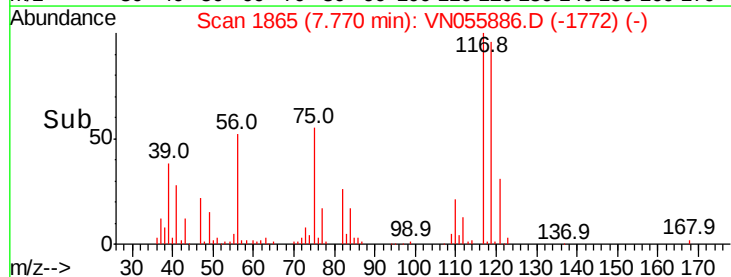
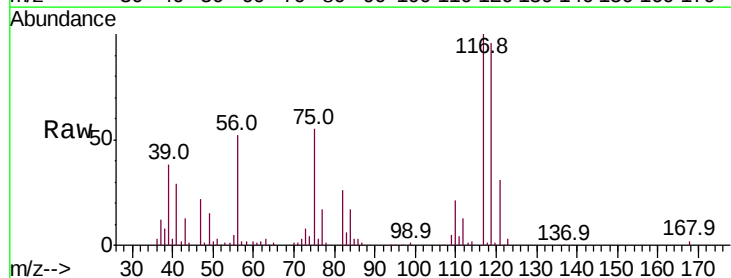
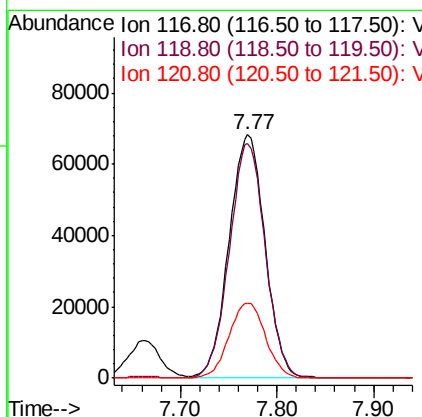
Manual Integrations
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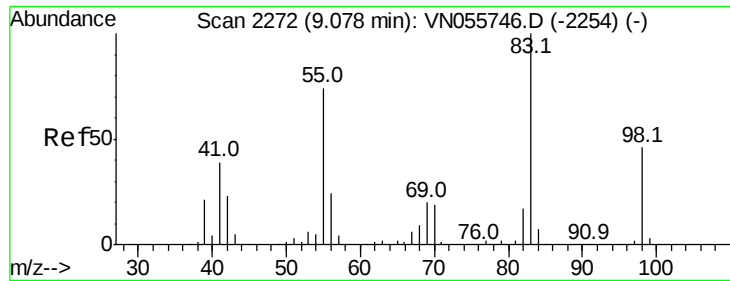
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5/30/2019 9:35:36 AM



#38
Carbon Tetrachloride
Concen: 43.315 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	79.0	118.6
121	30.8	24.7	37.1





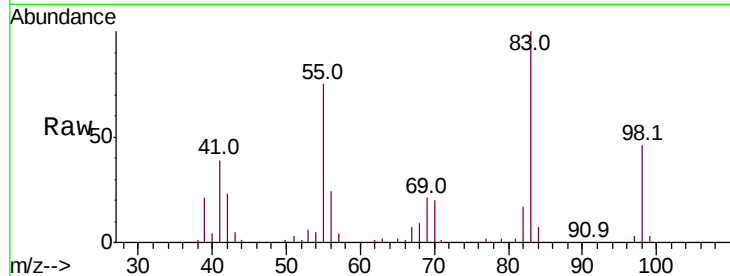
#39
Methvlcvclohexane
Concen: 45.069 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

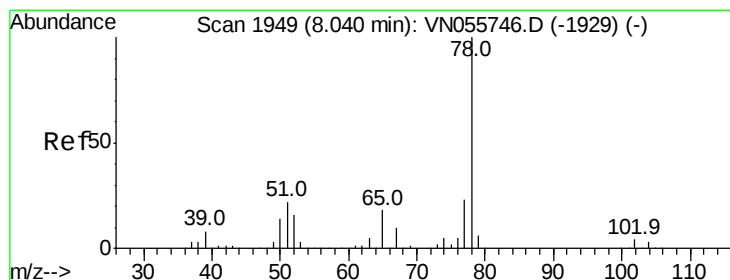
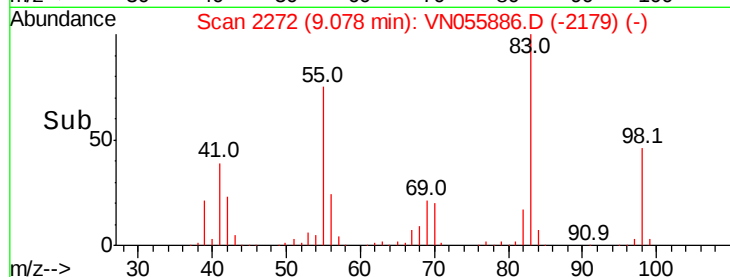
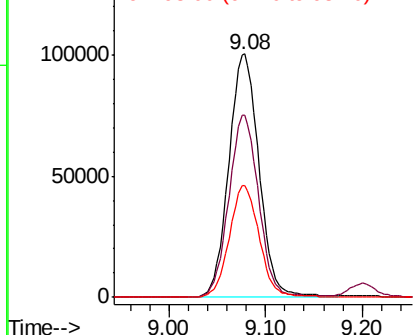
Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	59.3	88.9
98	46.1	36.6	54.8

Manual Integrations
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5/30/2019 9:35:36 AM

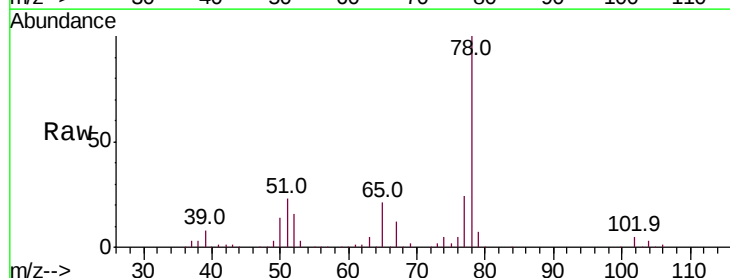


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

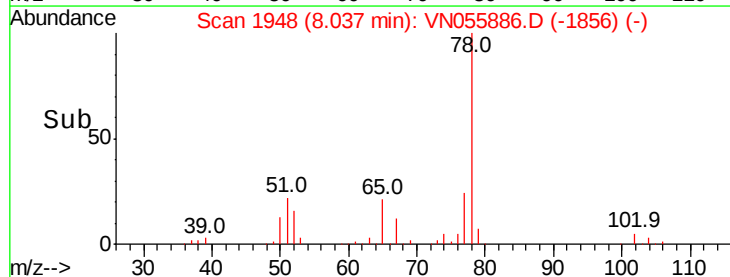
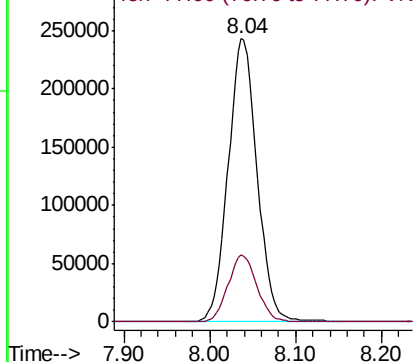


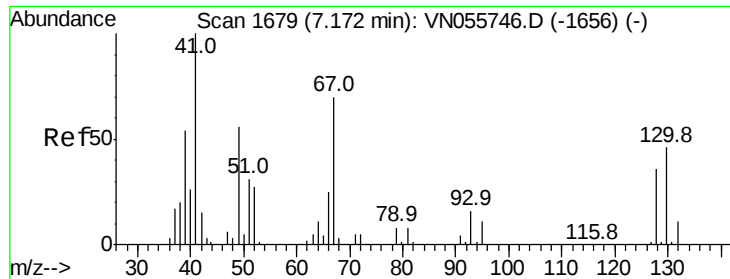
#40
Benzene
Concen: 48.009 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





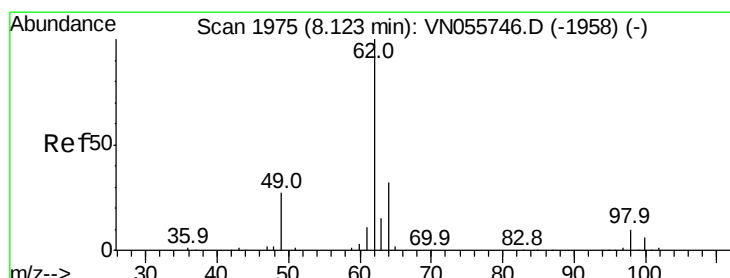
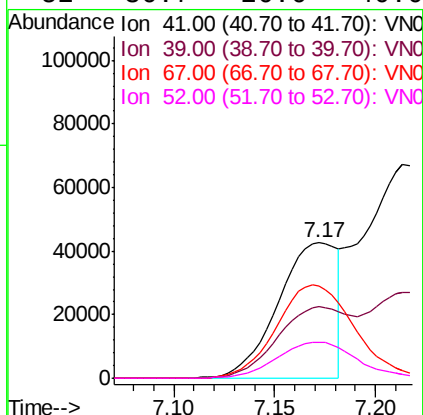
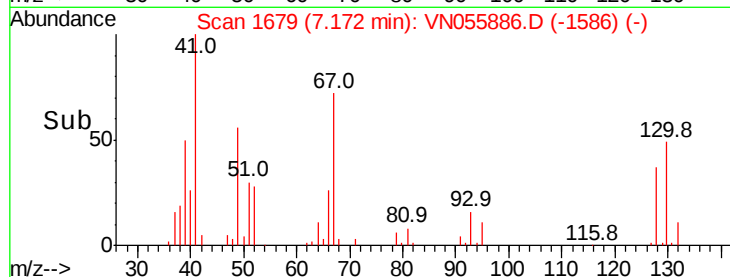
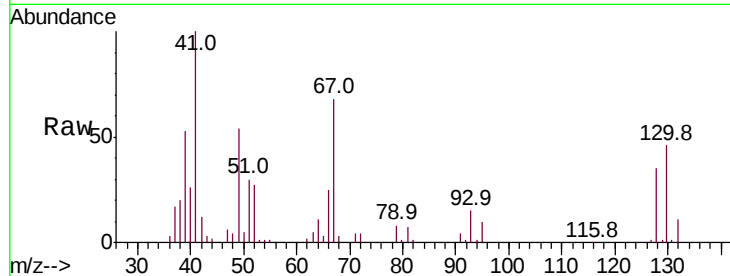
#41
Methacrylonitrile
Concen: 45.223 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	86549
Ion	Ratio	Lower	Upper
41	100		
39	66.3	45.6	68.4
67	91.6	67.7	101.5
52	36.7	26.6	40.0

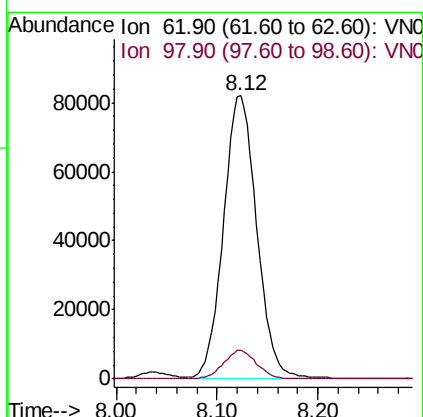
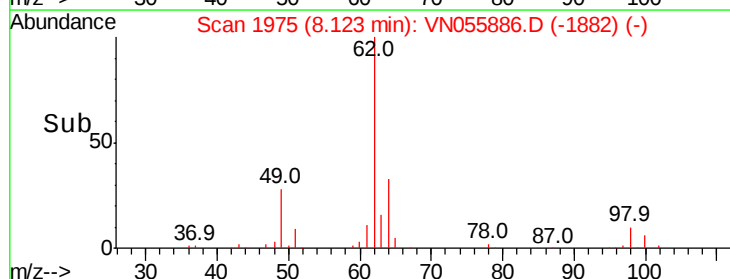
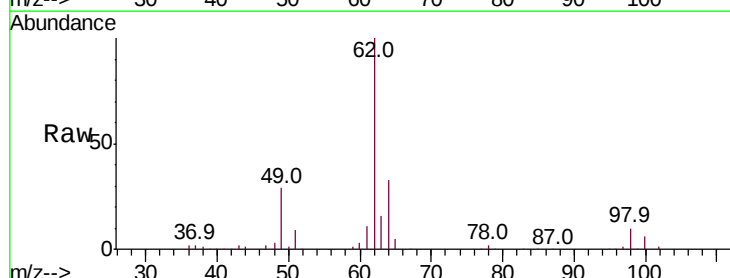
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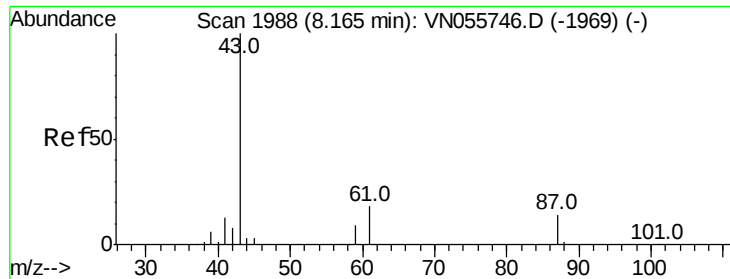
MMDadoda
5/30/2019 9:35:36 AM



#42
1,2-Dichloroethane
Concen: 48.683 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion	62	Resp	187917
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.2





#43

Isopropyl Acetate

Concen: 49.405 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

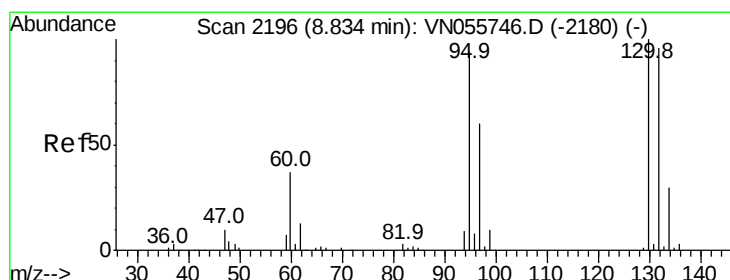
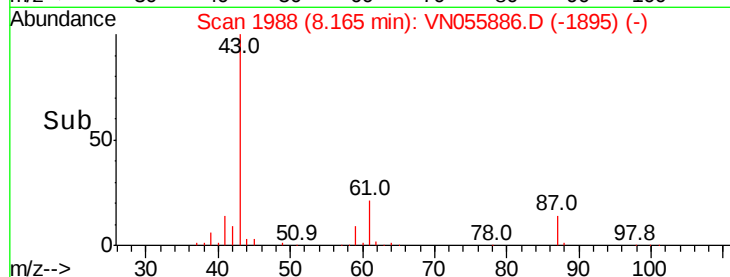
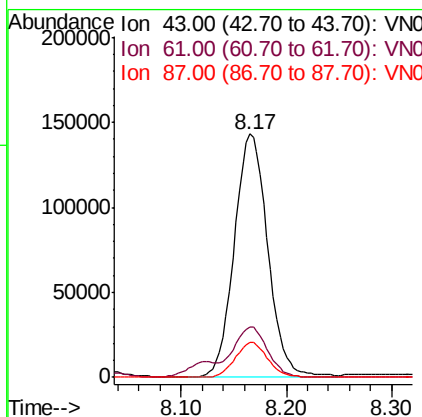
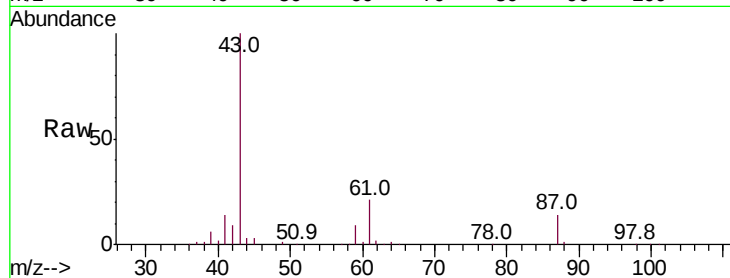
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	314460
Ion Ratio	Lower	Upper	
43	100		
61	20.9	22.2	33.4#
87	13.9	11.4	17.2

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#44

Trichloroethene

Concen: 47.631 ug/l

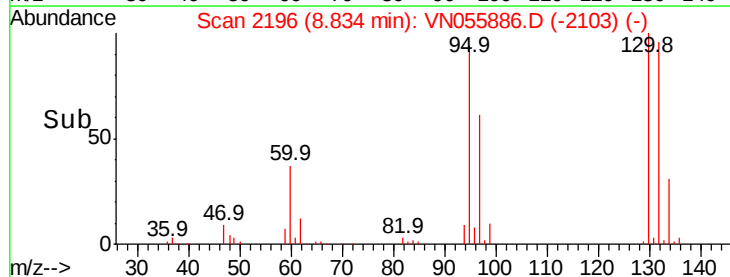
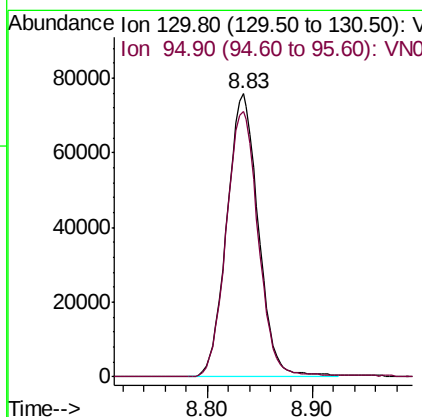
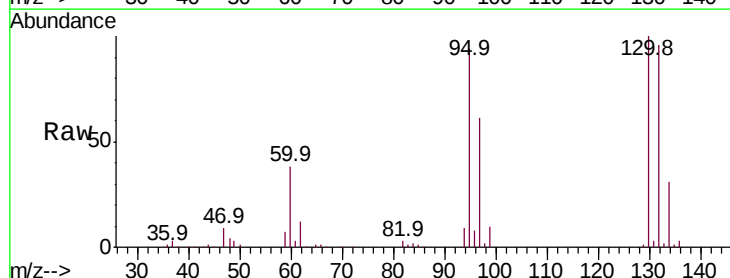
RT: 8.83 min Scan# 2196

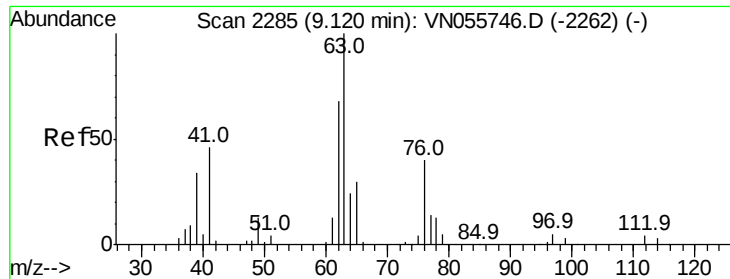
Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Tgt Ion:	130	Resp:	156858
Ion Ratio	Lower	Upper	
130	100		
95	94.0	0.0	188.0





#45

1,2-Dichloropropane

Concen: 48.761 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 150073

Ion Ratio Lower Upper

63 100

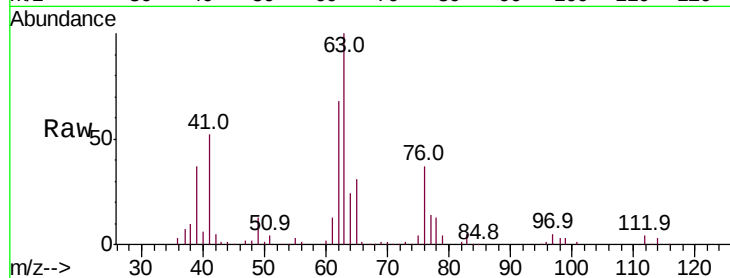
65 31.0 24.6 36.8

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

80000

60000

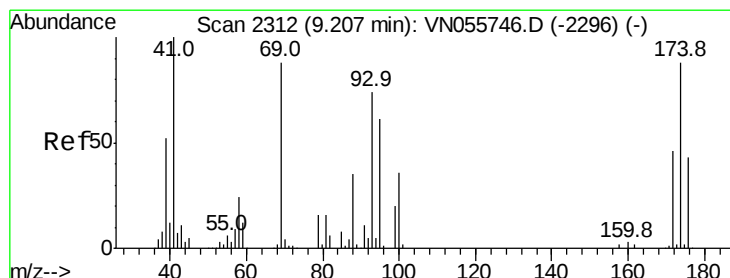
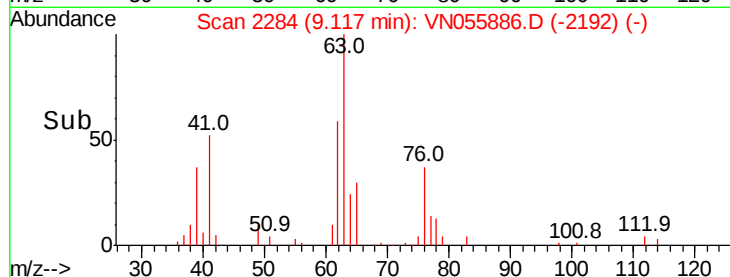
40000

20000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 48.750 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

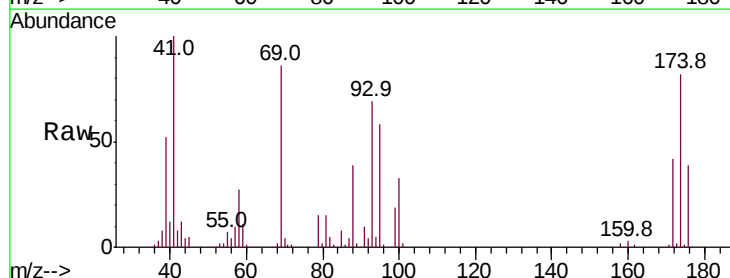
Tgt Ion: 93 Resp: 98398

Ion Ratio Lower Upper

93 100

95 84.2 66.7 100.1

174 116.9 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

80000

60000

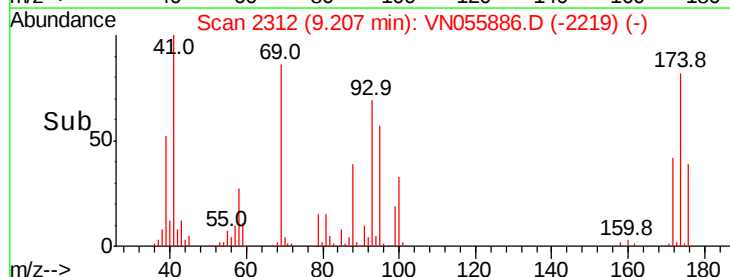
40000

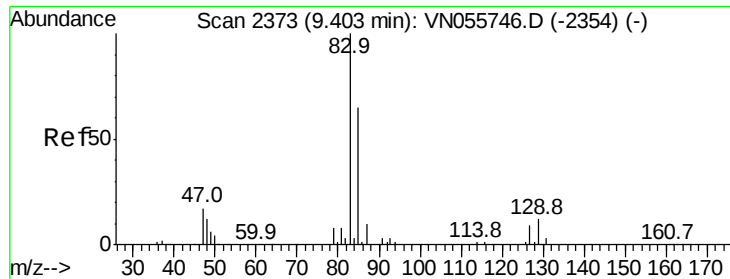
20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 46.096 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

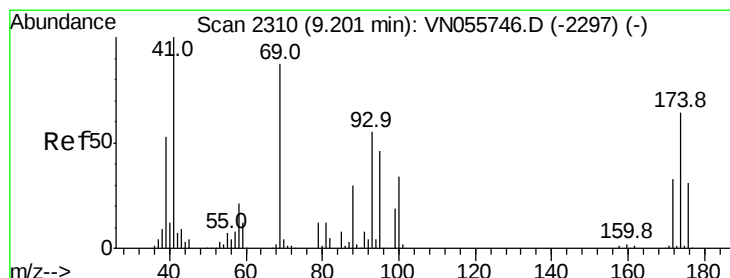
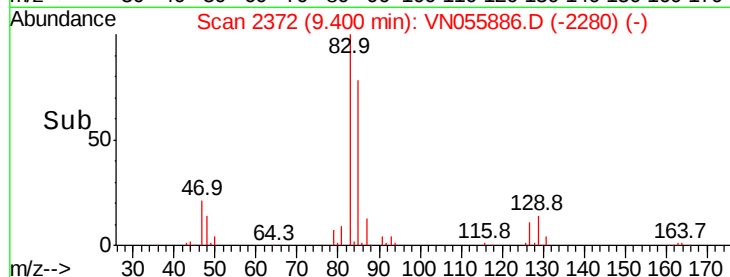
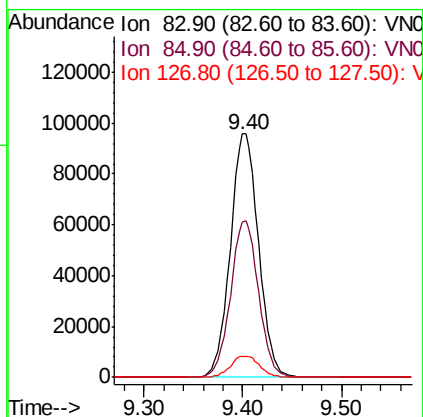
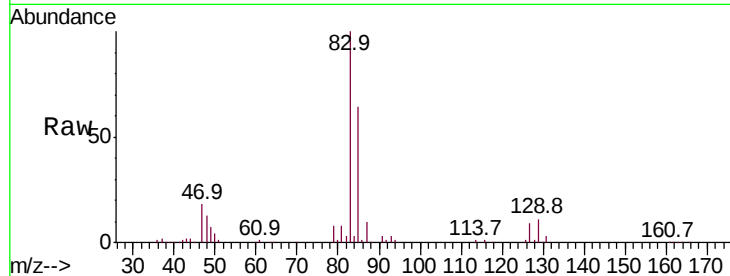
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	190782
Ion Ratio	Lower	Upper	
83	100		
85	63.9	52.2	78.2
127	8.7	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.057 ug/l

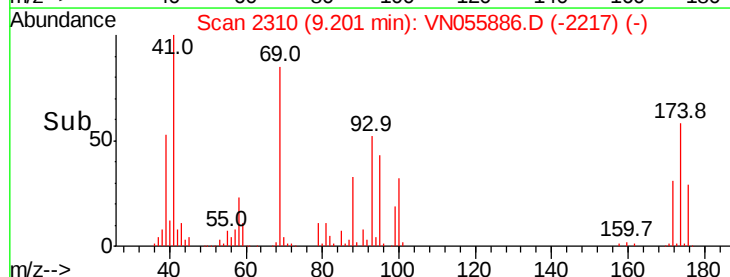
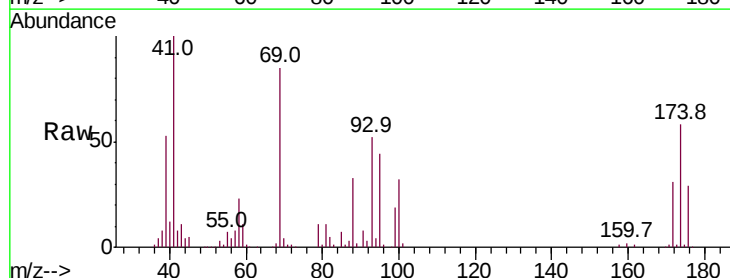
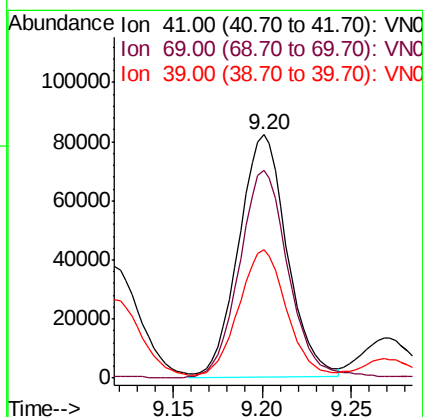
RT: 9.20 min Scan# 2310

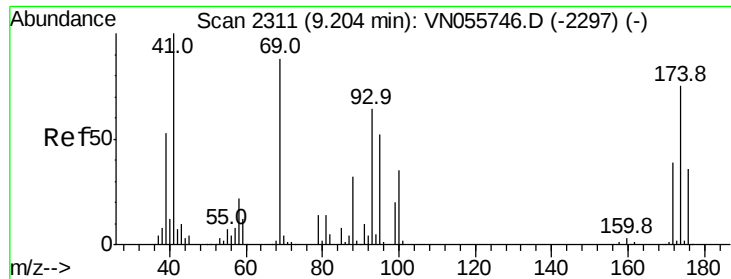
Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Tgt Ion:	41	Resp:	155640
Ion Ratio	Lower	Upper	
41	100		
69	87.8	71.0	106.6
39	52.4	44.2	66.2





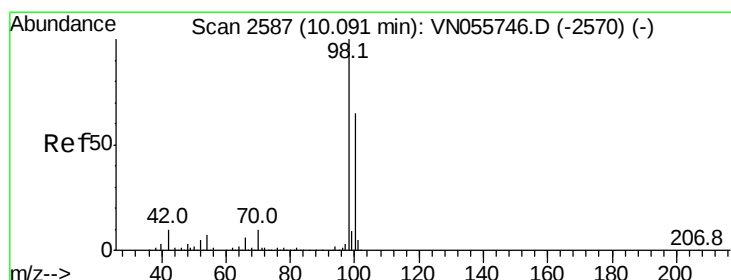
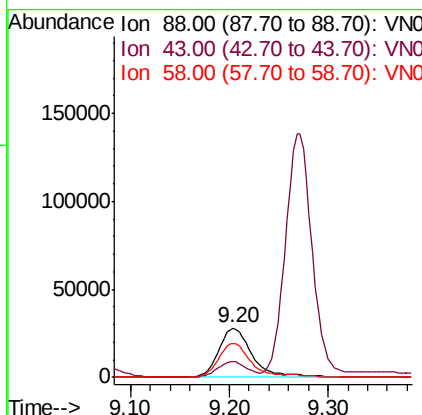
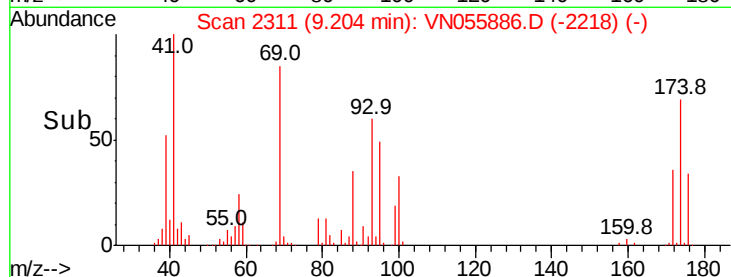
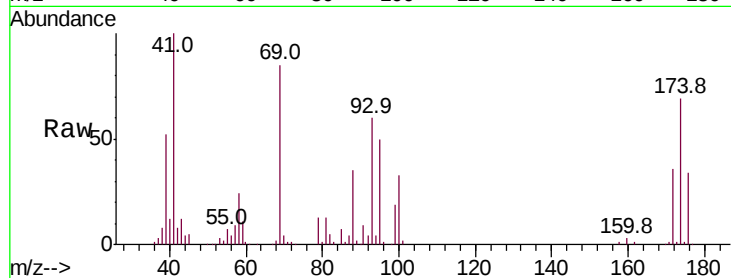
#49
 1,4-Dioxane
 Concen: 1092.633 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.2	20.5	30.7
58	65.2	55.8	83.6

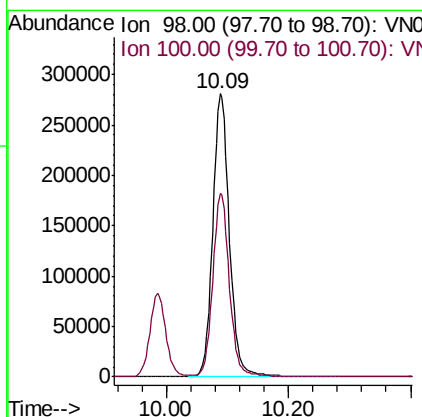
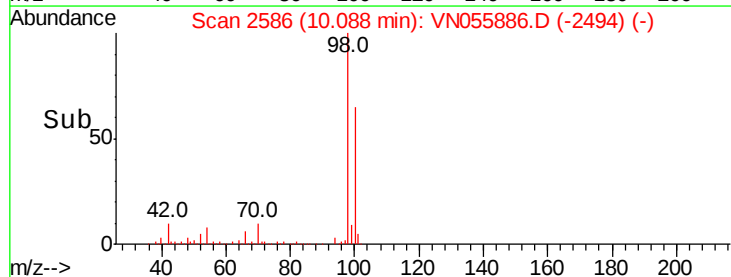
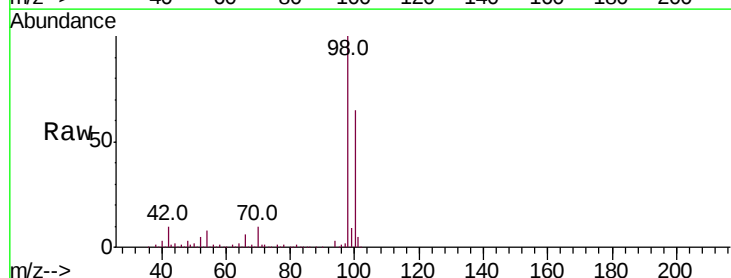
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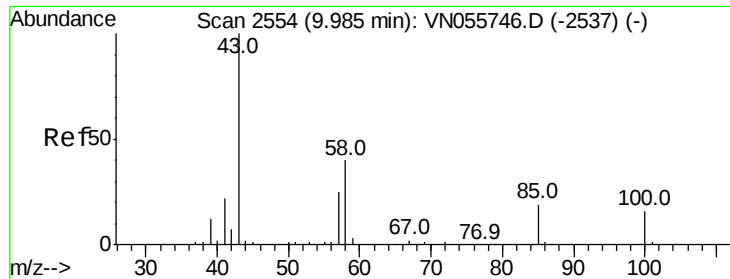
MMDadoda
 5/30/2019 9:35:36 AM



#50
 Toluene-d8
 Concen: 48.883 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 263.402 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 990161

Ion Ratio Lower Upper

43 100

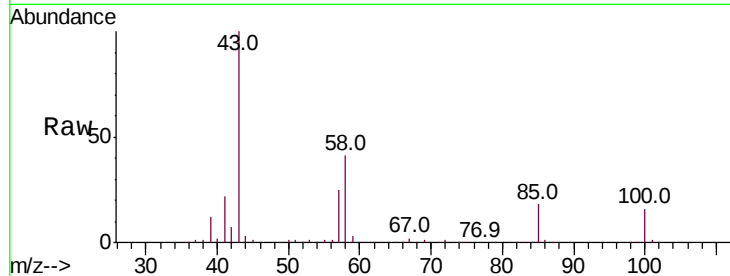
58 39.9 32.1 48.1

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

500000

400000

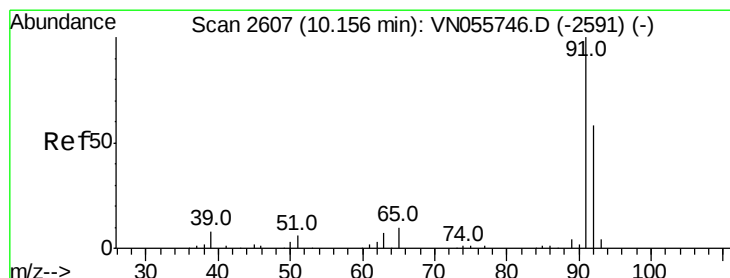
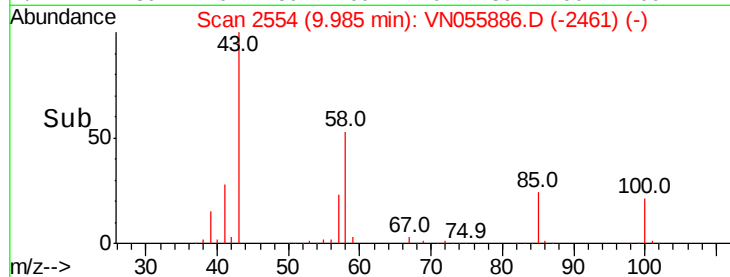
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.556 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055886.D

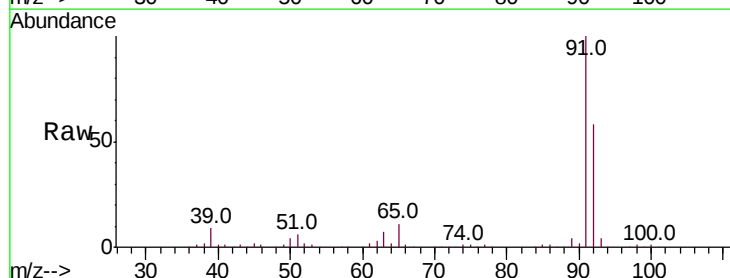
Acq: 29 May 2019 18:43

Tgt Ion: 92 Resp: 360743

Ion Ratio Lower Upper

92 100

91 174.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

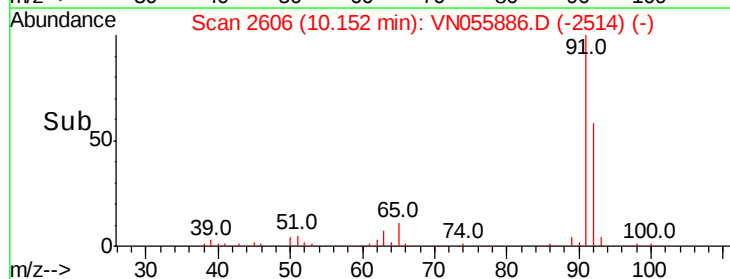
300000

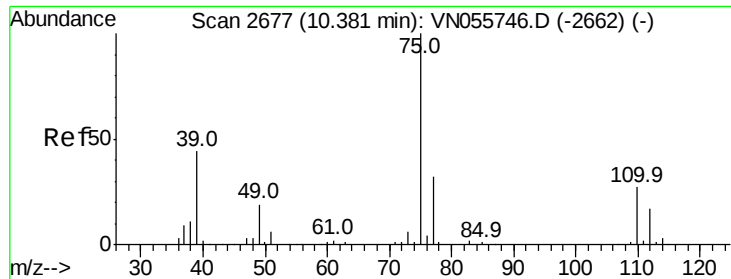
200000

100000

0

Time-->





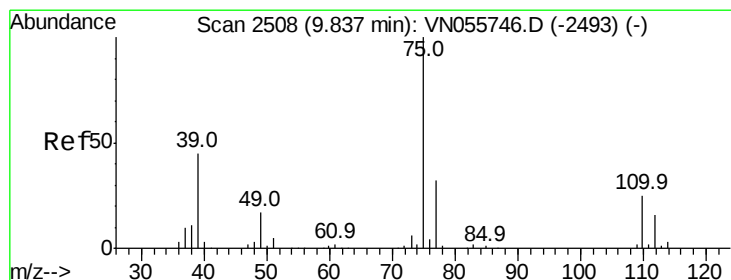
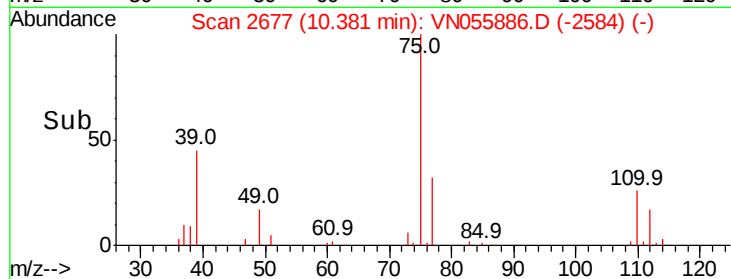
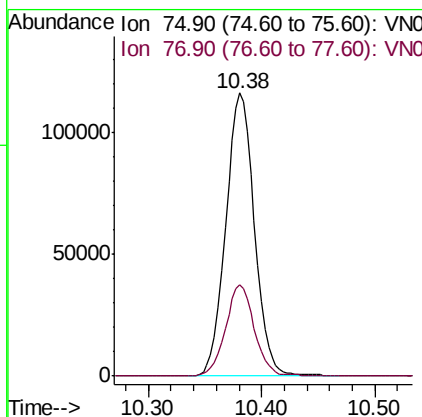
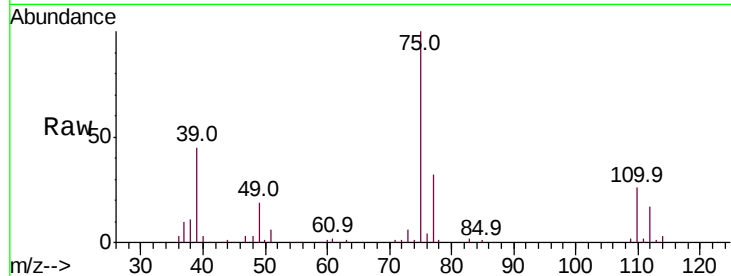
#53
 t-1,3-Dichloropropene
 Concen: 46.315 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 204613
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.6

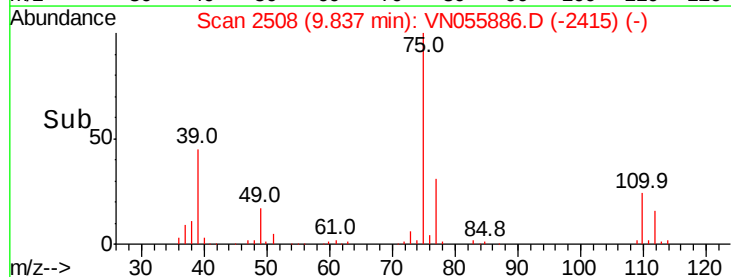
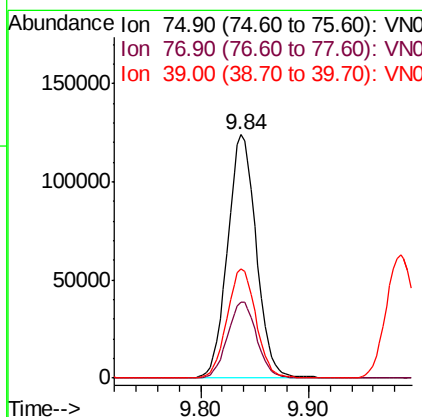
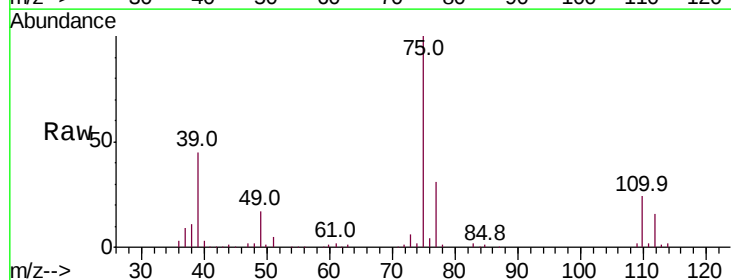
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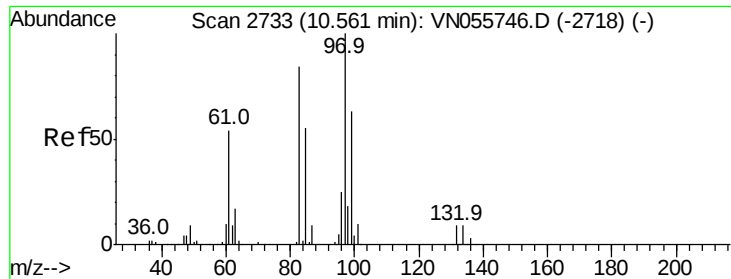
MMDadoda
 5/30/2019 9:35:36 AM



#54
 cis-1,3-Dichloropropene
 Concen: 47.031 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Tgt Ion: 75 Resp: 230177
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.0
 39 44.9 36.3 54.5





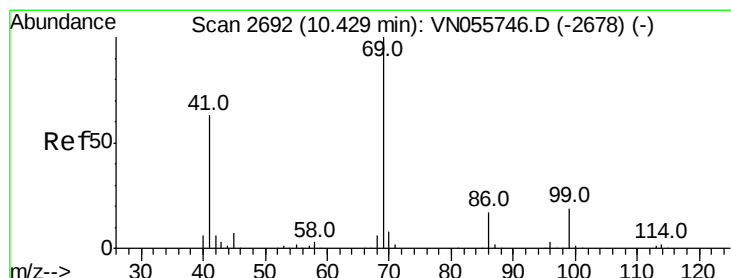
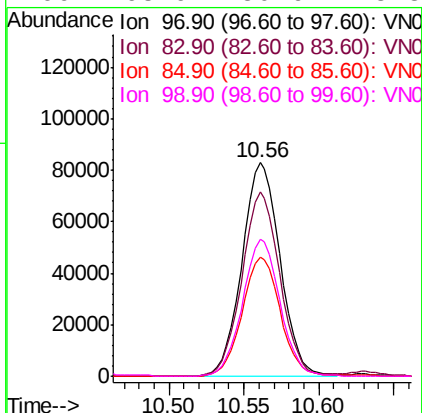
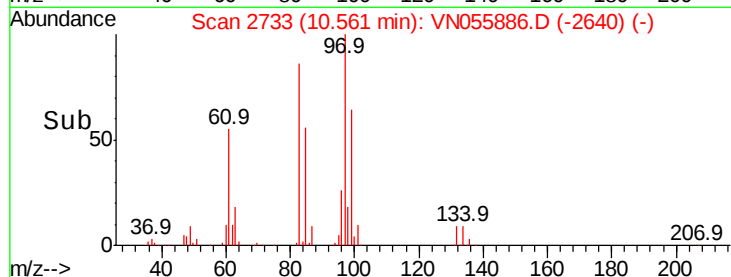
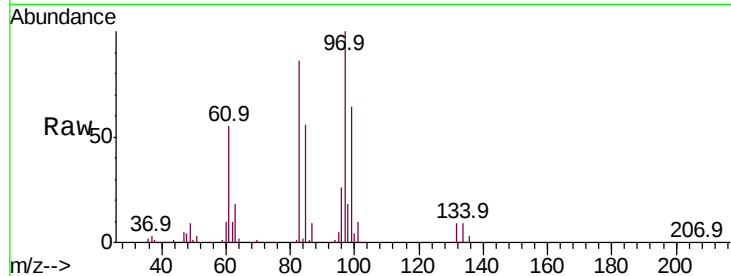
#55
 1,1,2-Trichloroethane
 Concen: 49.380 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.0	100.6
85	55.9	44.0	66.0
99	63.9	50.6	75.8

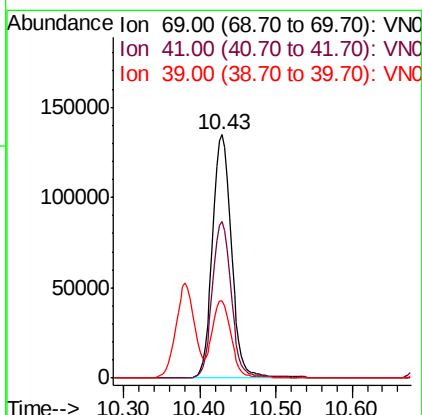
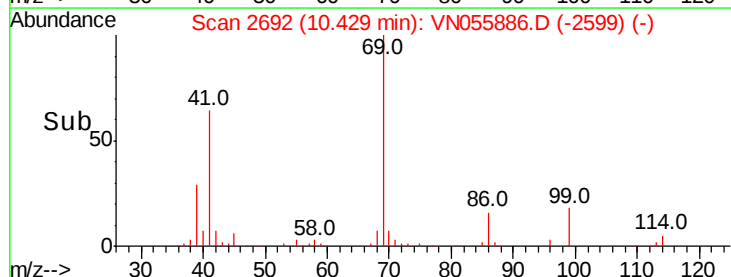
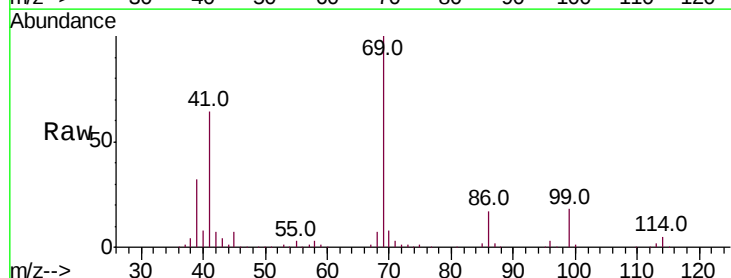
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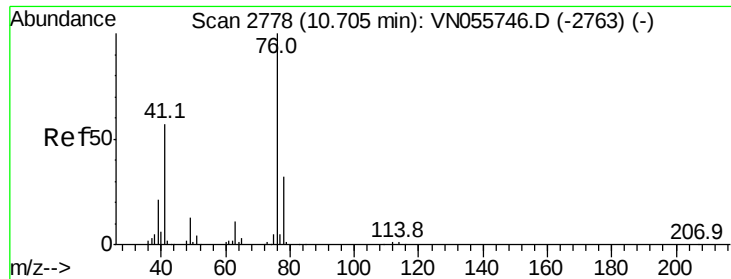
MMDadoda
 5/30/2019 9:35:36 AM



#56
 Ethyl methacrylate
 Concen: 50.788 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.2	49.7	74.5
39	31.2	24.7	37.1





#57

1,3-Dichloropropane

Concen: 49.665 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 240273

Ion Ratio Lower Upper

76 100

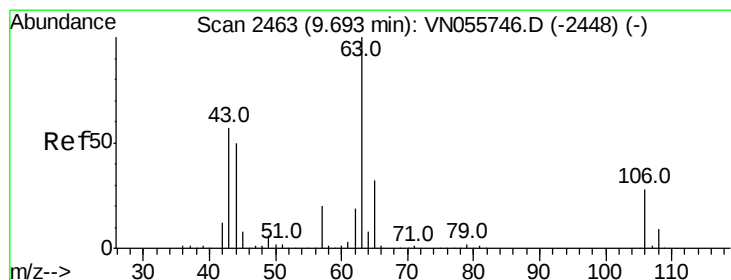
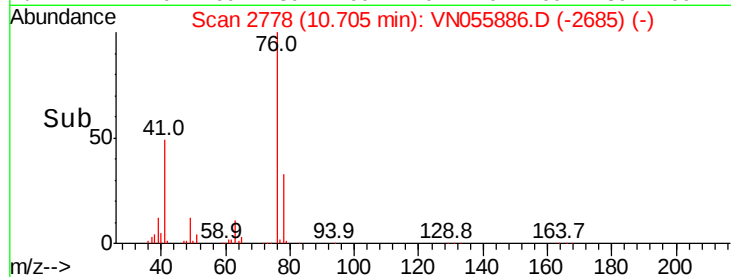
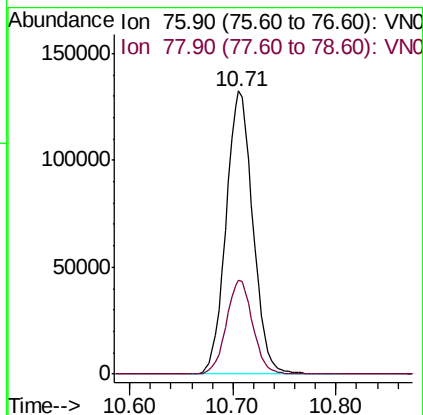
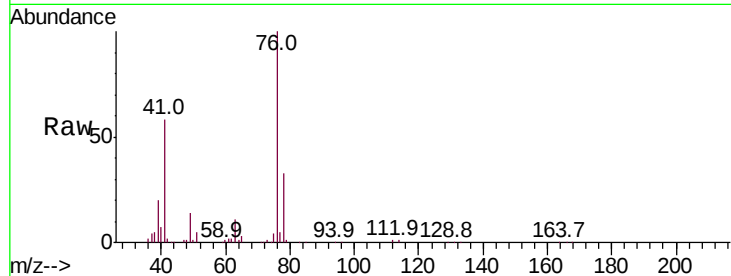
78 32.5 25.8 38.6

Manual Integrations

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5/30/2019 9:35:36 AM



#58

2-Chloroethyl Vinyl ether

Concen: 254.887 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055886.D

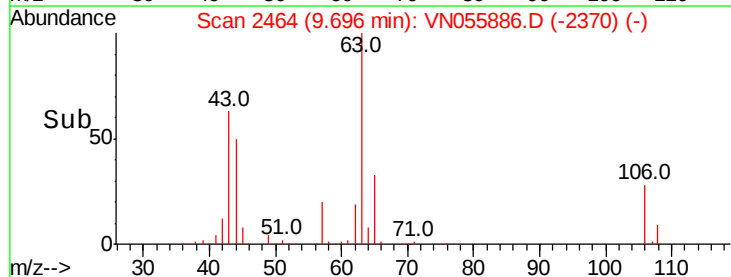
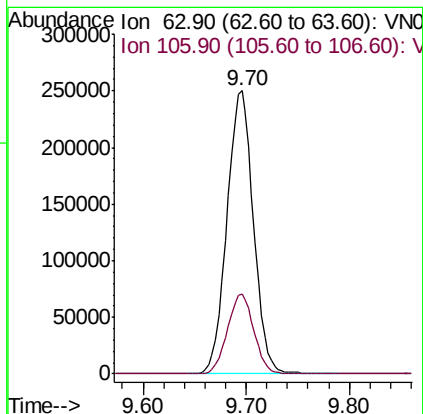
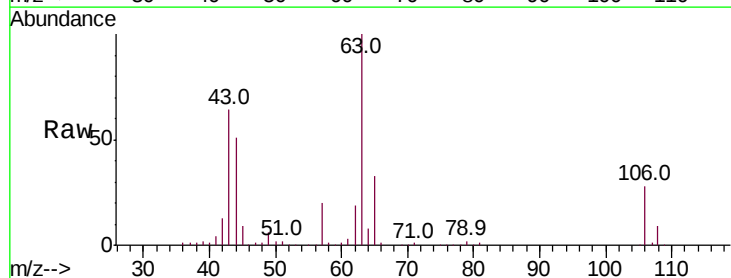
Acq: 29 May 2019 18:43

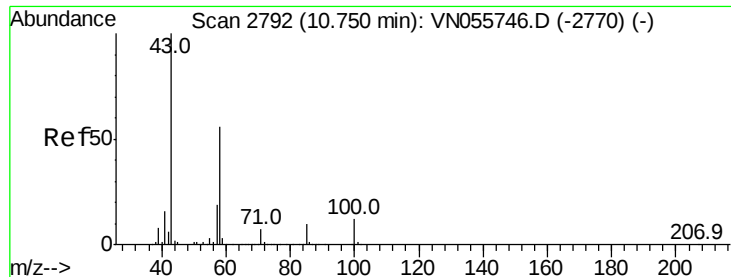
Tgt Ion: 63 Resp: 448053

Ion Ratio Lower Upper

63 100

106 28.1 22.7 34.1





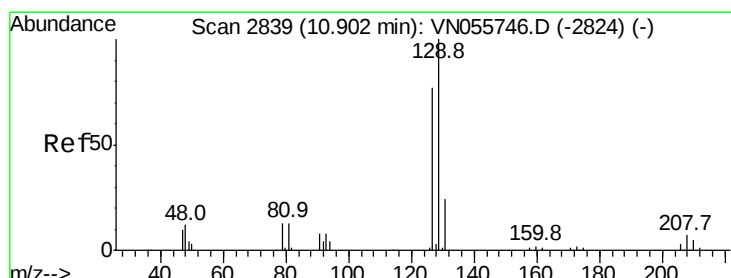
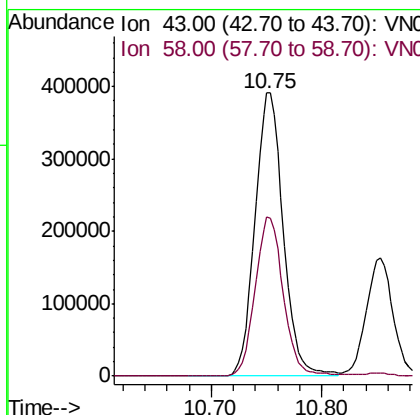
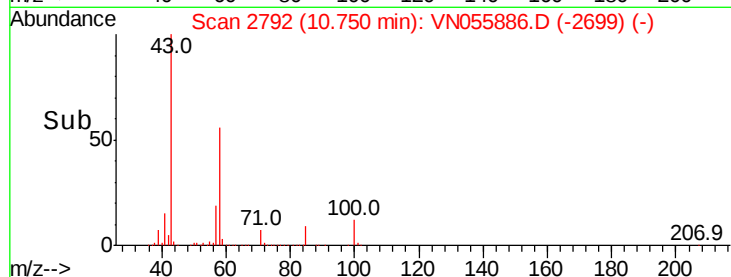
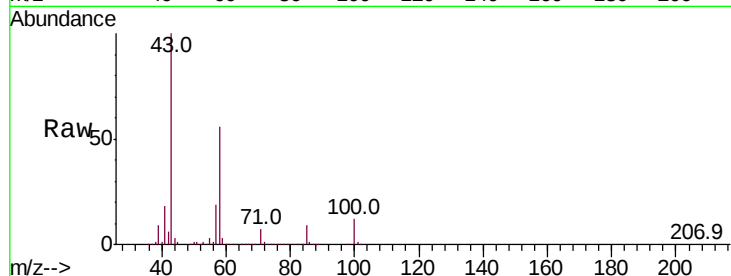
#59
2-Hexanone
Concen: 260.095 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 693610
Ion Ratio Lower Upper
43 100
58 56.2 28.2 84.7

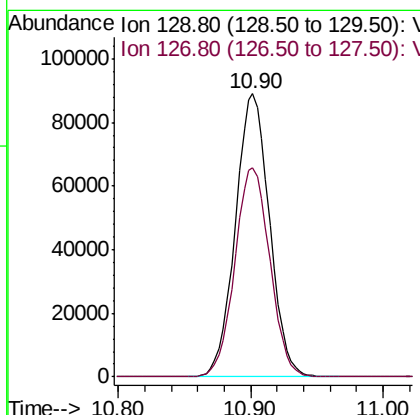
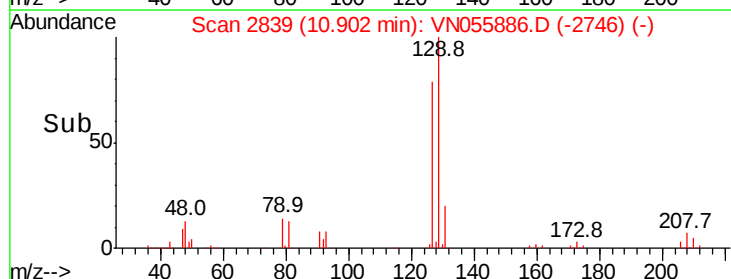
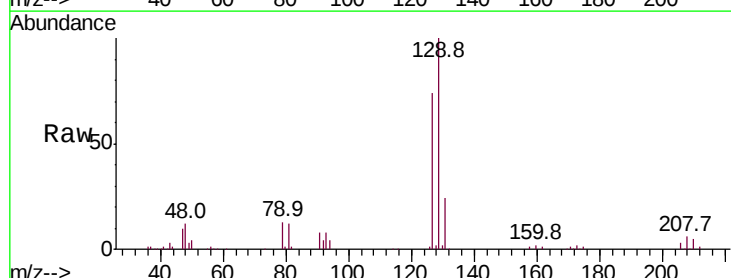
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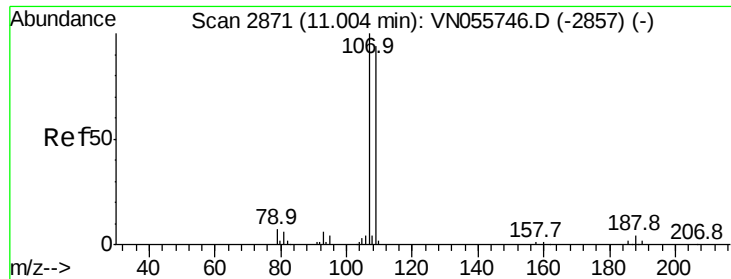
MMDadoda
5/30/2019 9:35:36 AM



#60
Dibromochloromethane
Concen: 45.782 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion: 129 Resp: 158736
Ion Ratio Lower Upper
129 100
127 76.0 38.1 114.3





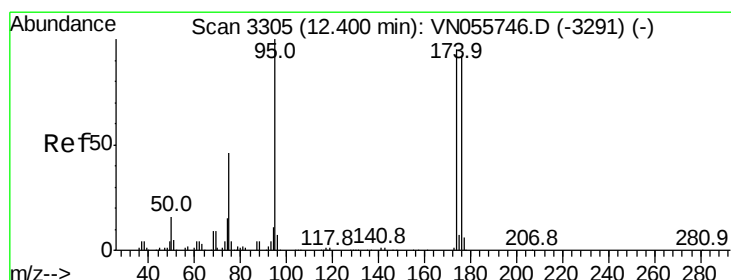
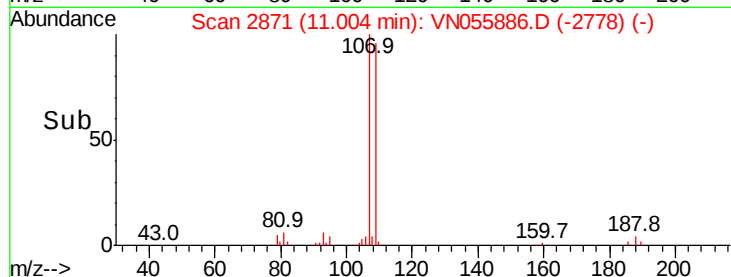
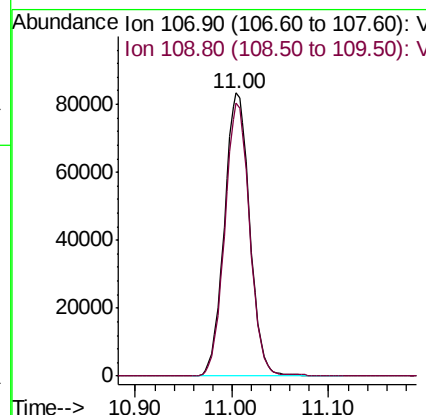
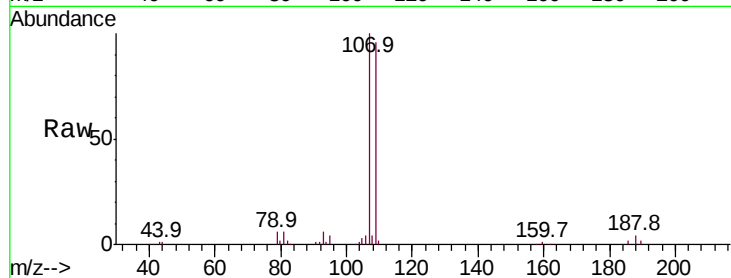
#61
 1,2-Dibromoethane
 Concen: 49.134 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	151685		
109	95.0	74.8	112.2	

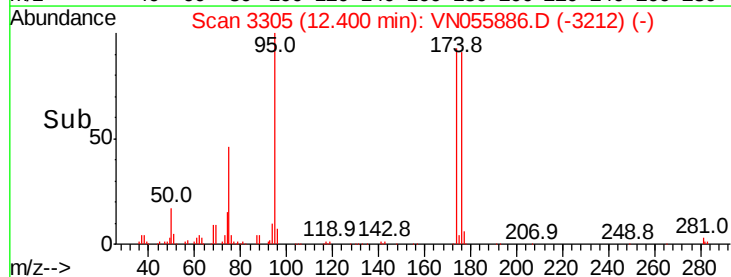
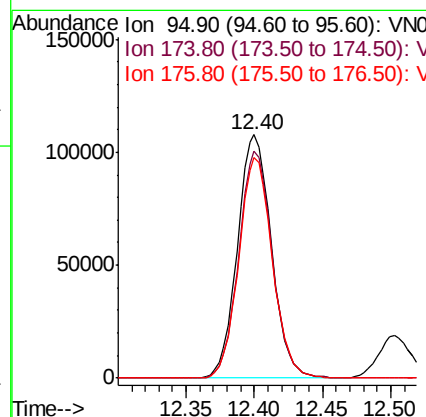
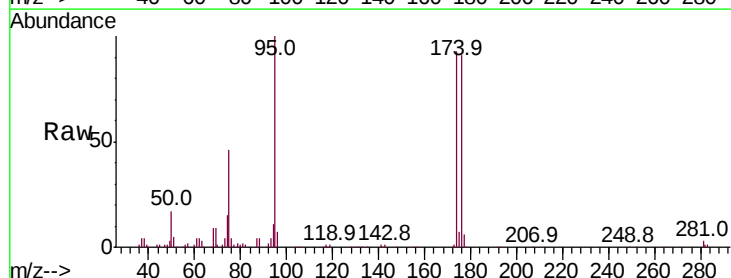
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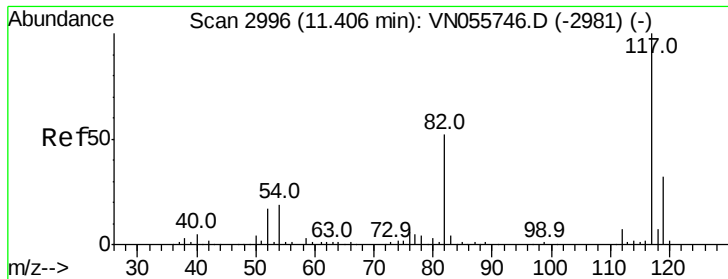
MMDadoda
 5/30/2019 9:35:36 AM



#62
 4-Bromofluorobenzene
 Concen: 49.700 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	185885		
174	91.9	0.0	191.0	
176	89.7	0.0	185.2	





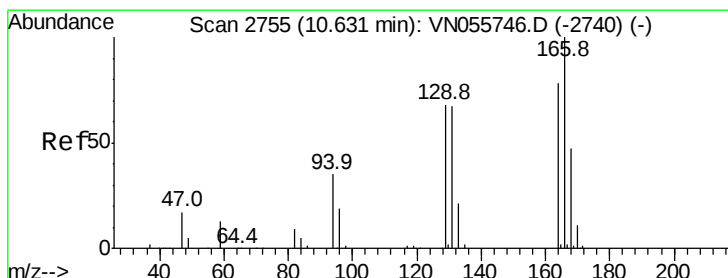
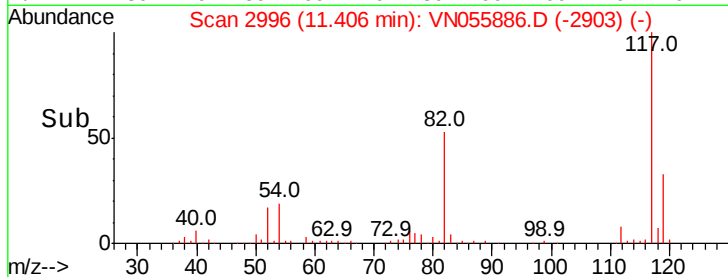
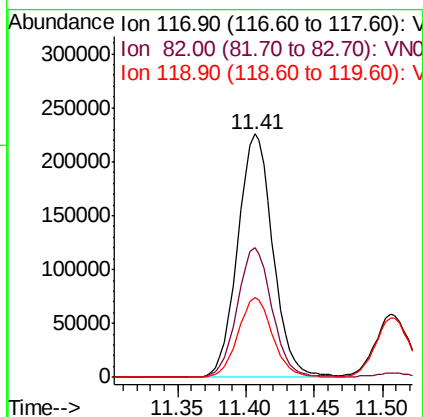
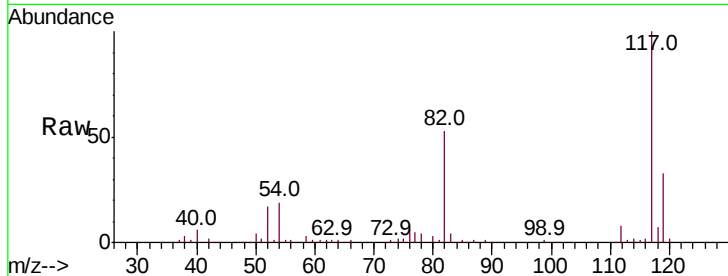
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	41.8	62.8
119	32.9	25.4	38.0

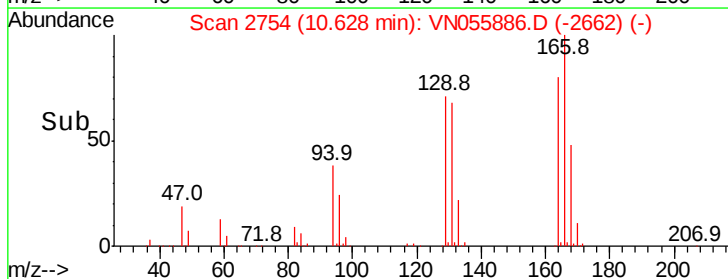
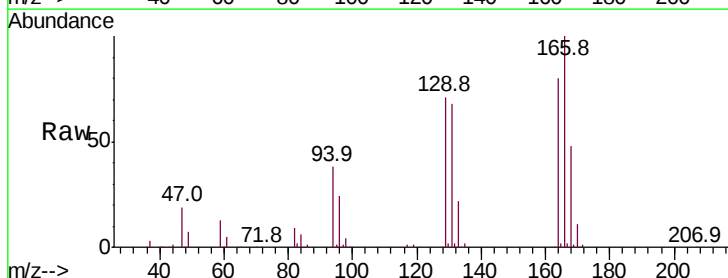
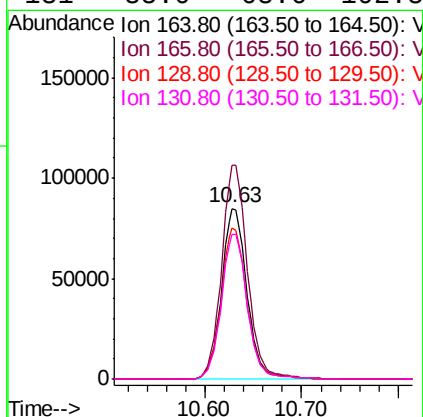
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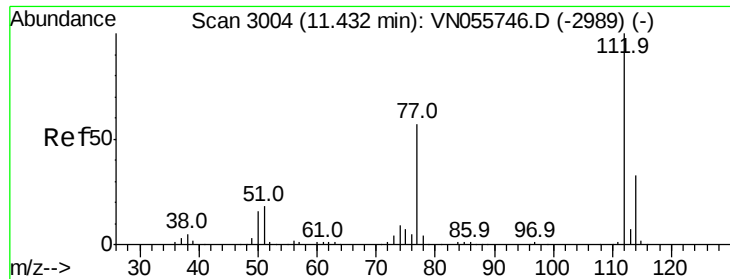
MMDadoda
5/30/2019 9:35:36 AM



#64
Tetrachloroethene
Concen: 45.515 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	103.0	154.6
129	88.6	70.6	105.8
131	85.0	68.6	102.8





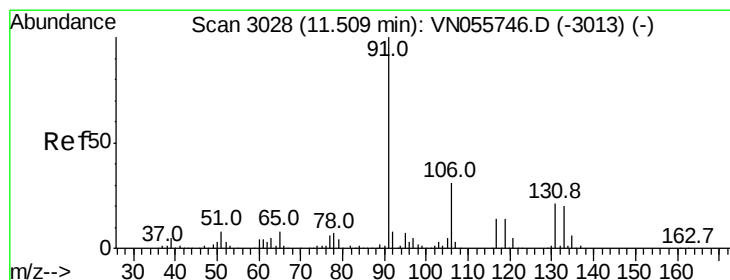
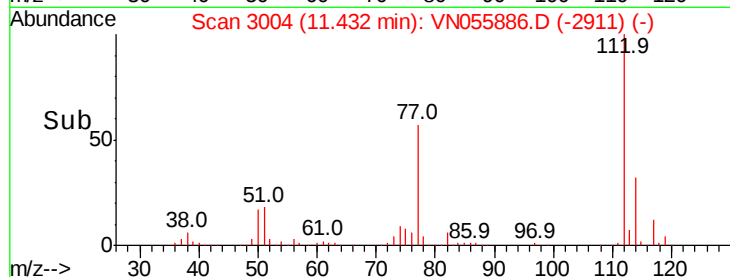
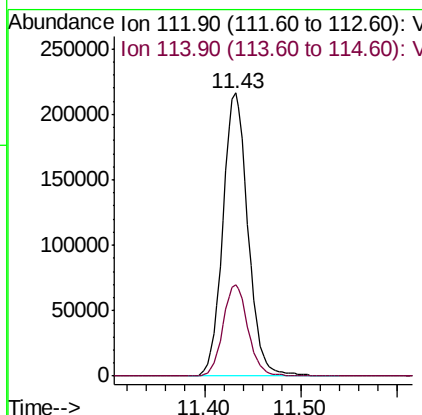
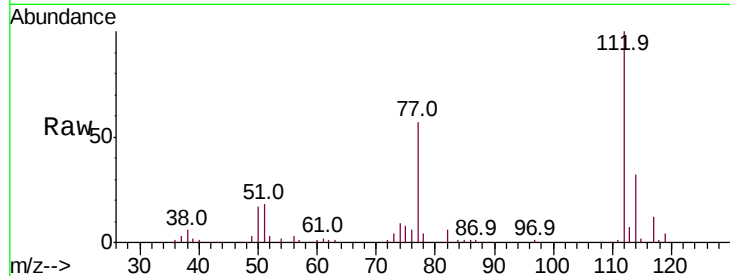
#65
Chlorobenzene
Concen: 48.103 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 389677
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.4

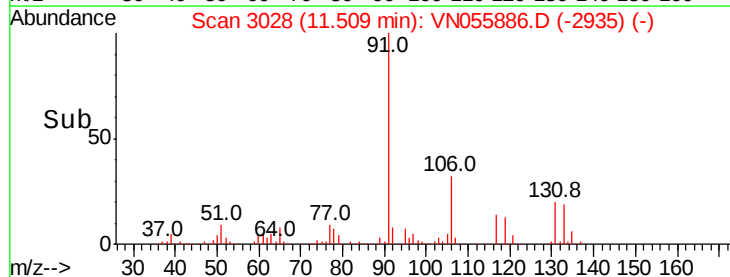
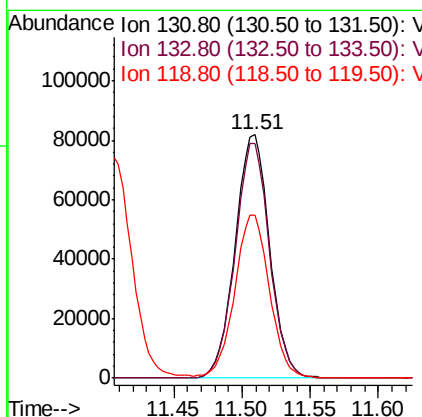
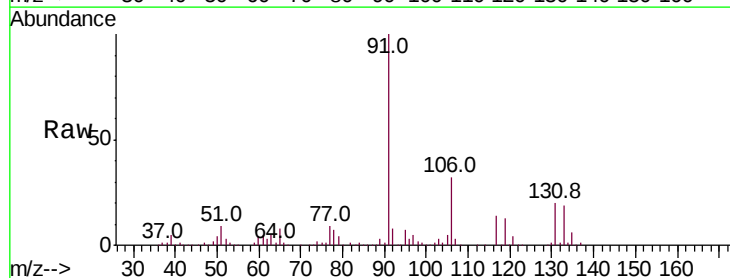
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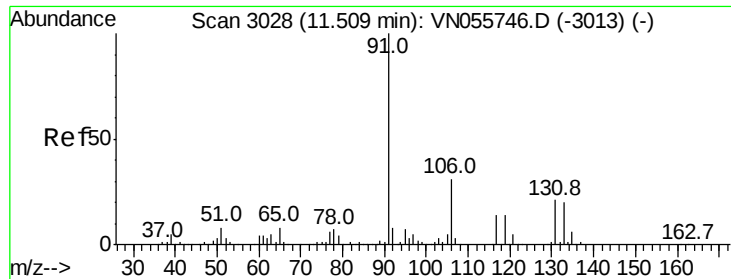
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 44.631 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion:131 Resp: 144199
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.0
119 67.3 33.1 99.5





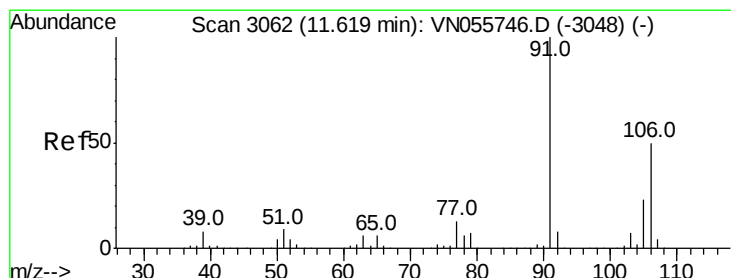
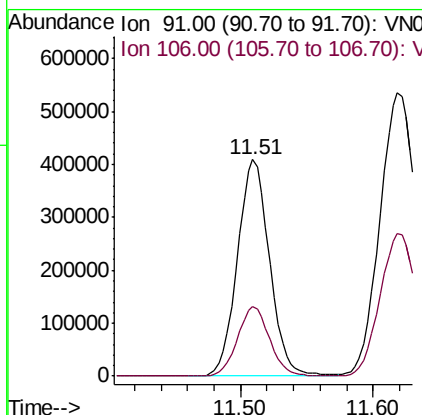
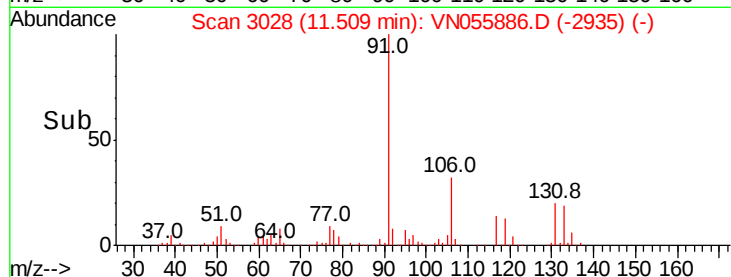
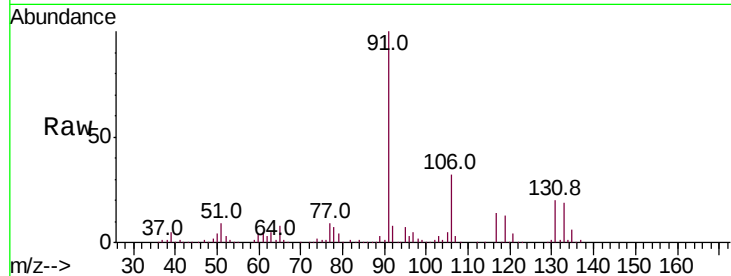
#67
Ethyl Benzene
Concen: 47.459 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 689441
Ion Ratio Lower Upper
91 100
106 32.1 25.1 37.7

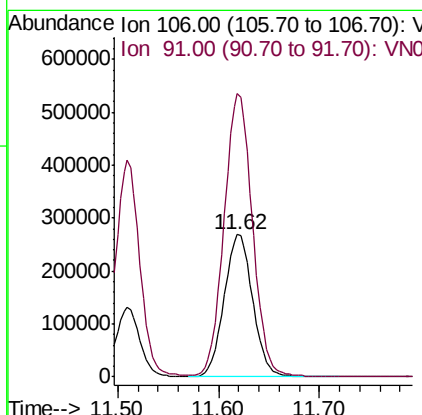
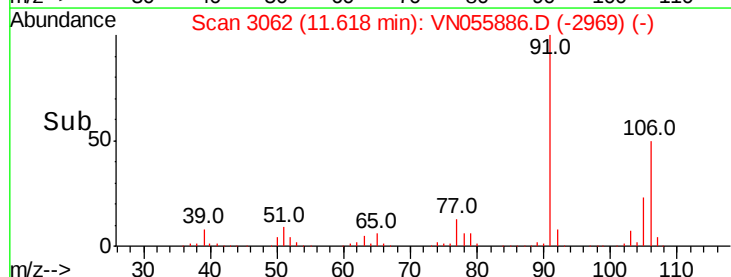
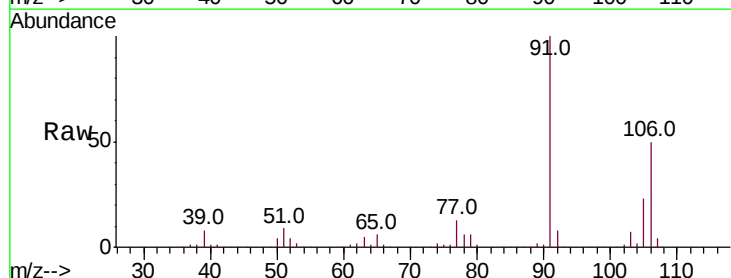
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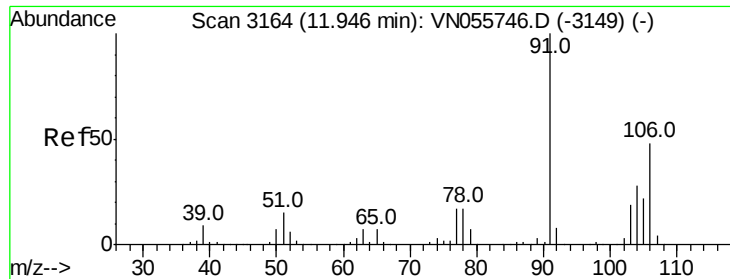
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#68
m/p-Xylenes
Concen: 96.854 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion: 106 Resp: 531920
Ion Ratio Lower Upper
106 100
91 197.9 159.3 238.9





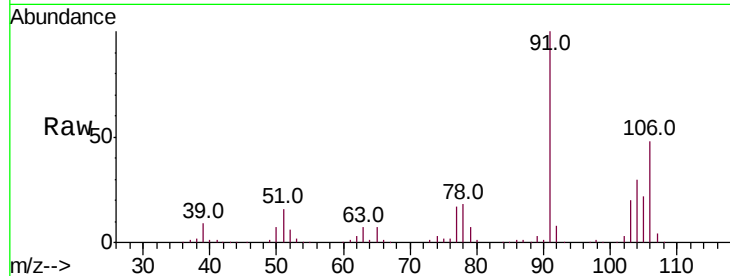
#69
o-Xylene
Concen: 48.275 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

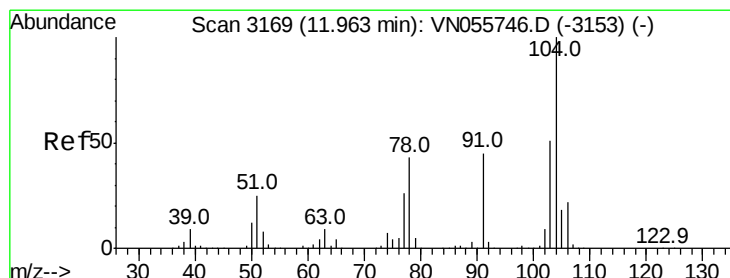
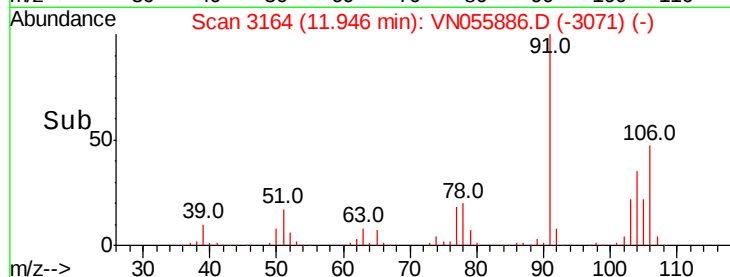
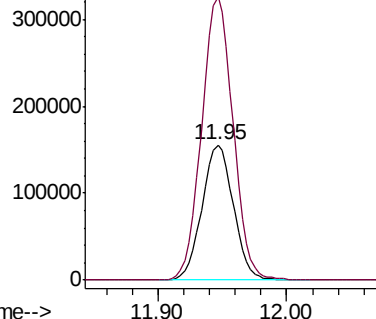
Tot Ion:106 Resp: 263036
Ion Ratio Lower Upper
106 100
91 209.1 104.7 314.1

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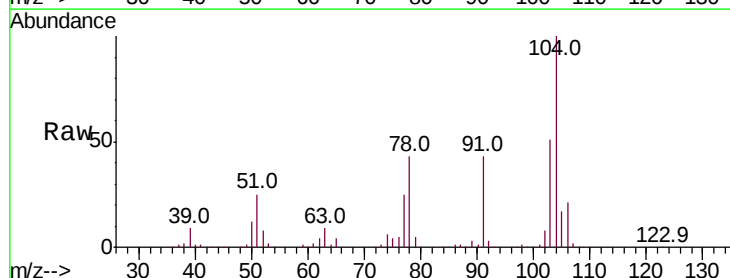


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

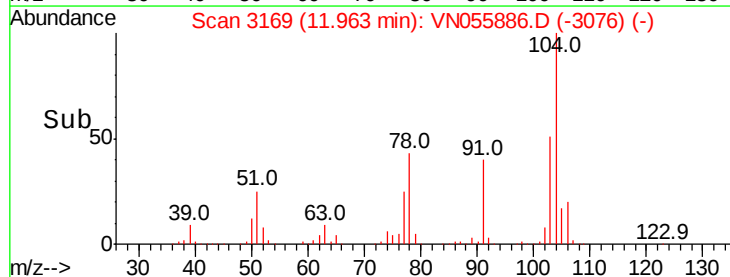
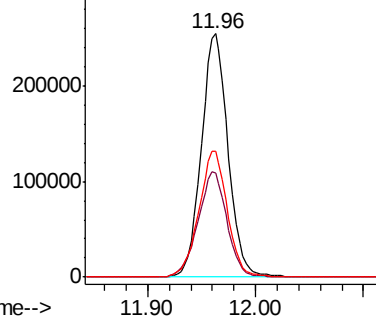


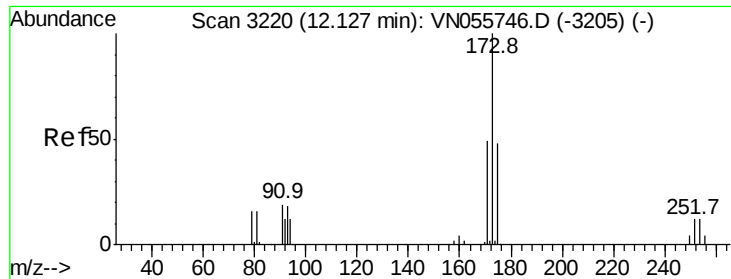
#70
Styrene
Concen: 49.736 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion:104 Resp: 438862
Ion Ratio Lower Upper
104 100
78 47.0 37.8 56.6
103 55.2 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





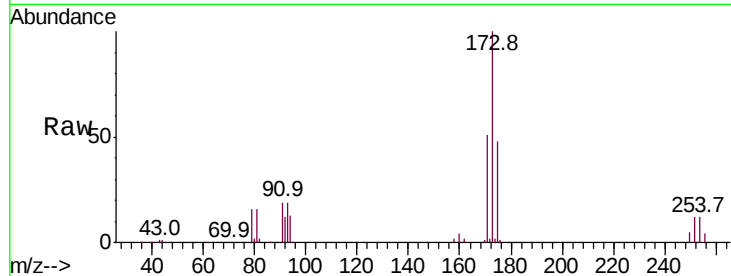
#71
Bromoform
Concen: 42.319 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

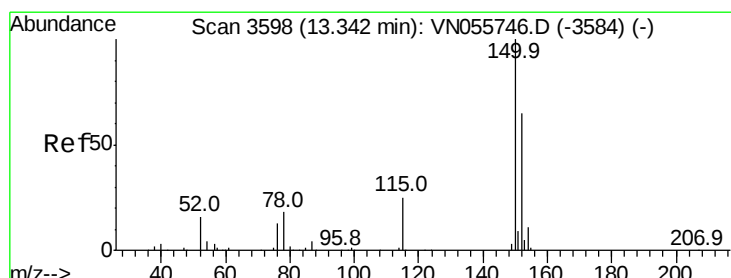
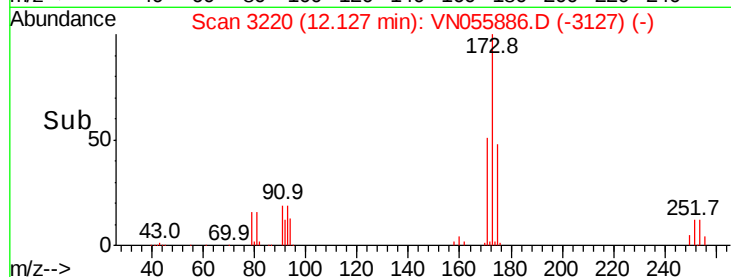
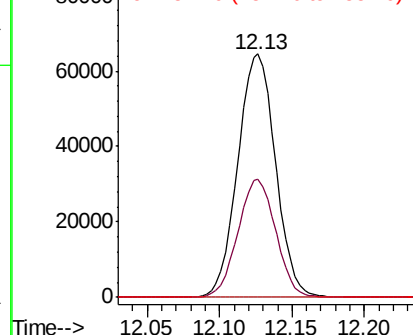
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.8
254	0.0	0.0	0.0

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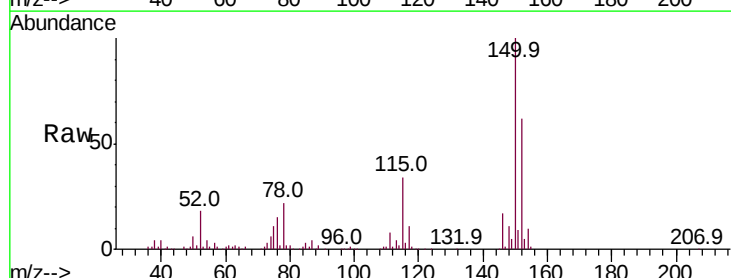


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

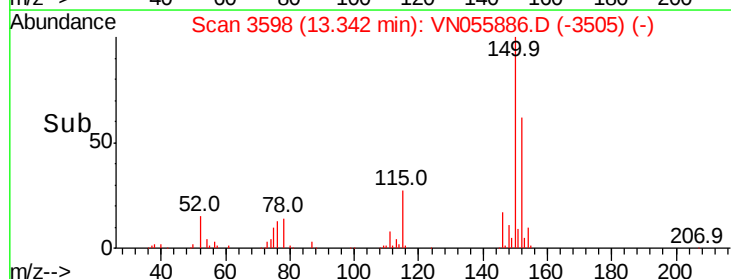
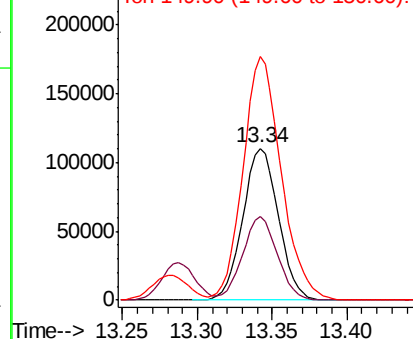


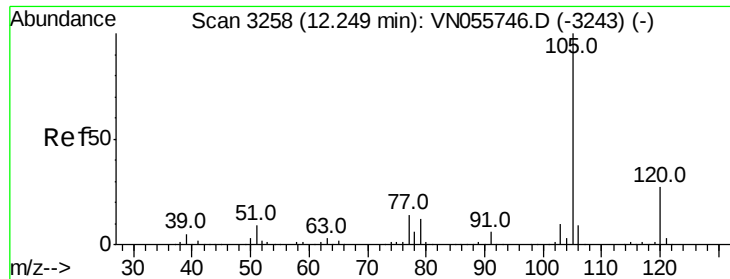
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	27.0	81.0
150	172.6	0.0	343.2



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





#73

Isopropylbenzene

Concen: 53.076 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 685260

Ion Ratio Lower Upper

105 100

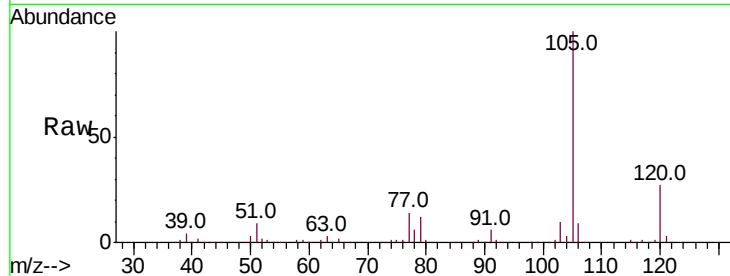
120 26.6 13.6 40.7

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

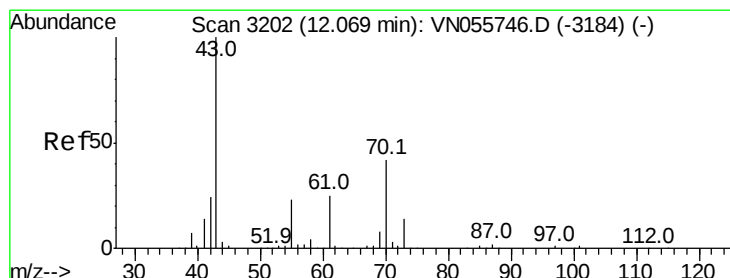
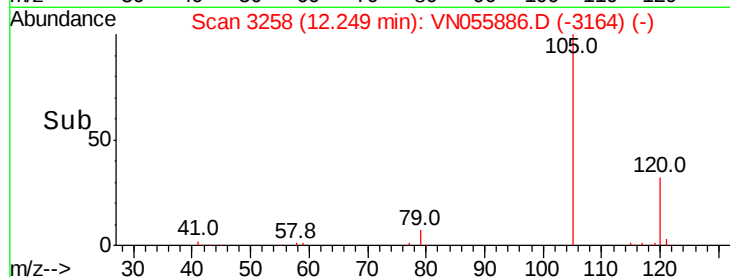
200000

100000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 53.102 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Tgt Ion: 43 Resp: 261104

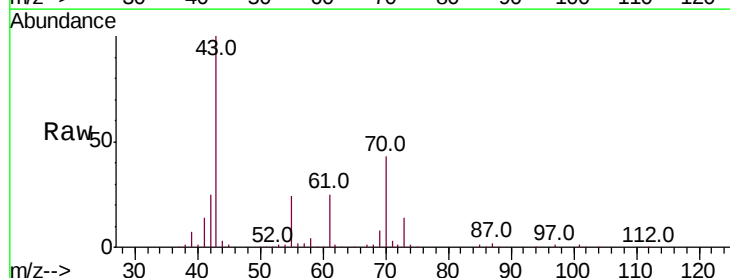
Ion Ratio Lower Upper

43 100

70 43.1 34.0 51.0

55 24.8 18.6 28.0

61 25.0 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

250000

200000

150000

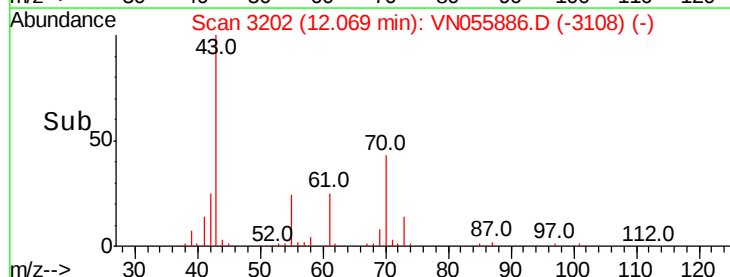
100000

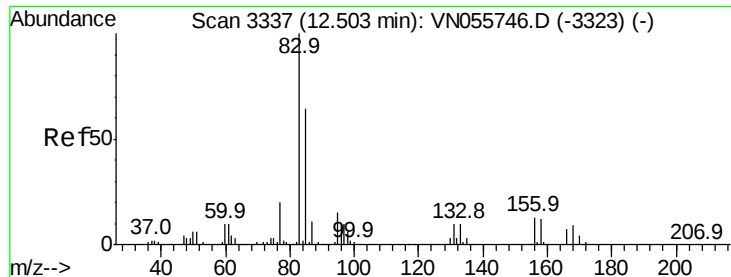
50000

0

12.00 12.07 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.952 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

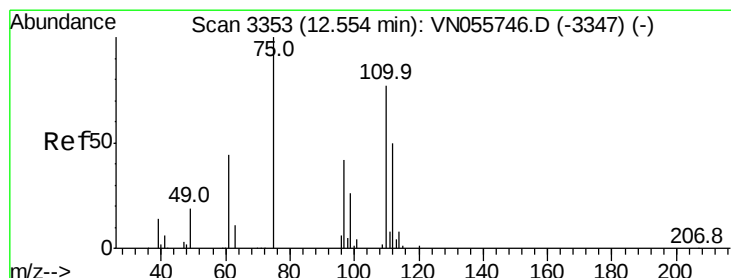
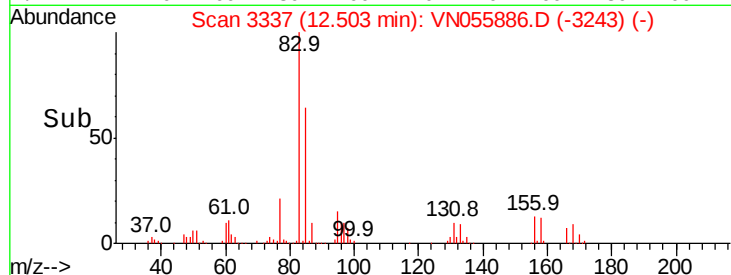
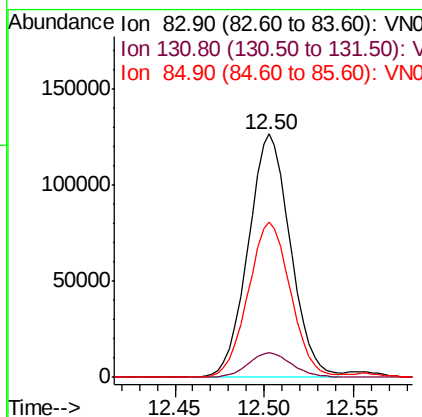
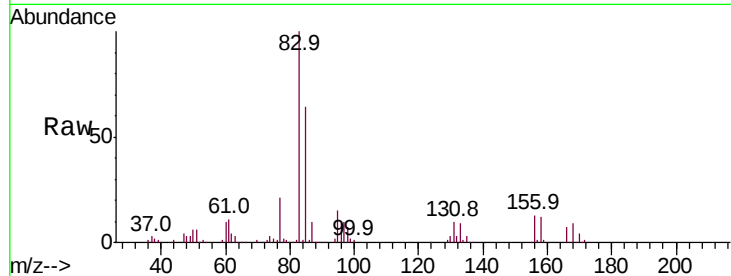
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	209521
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.4	16.2
85	64.4	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 55.125 ug/l m

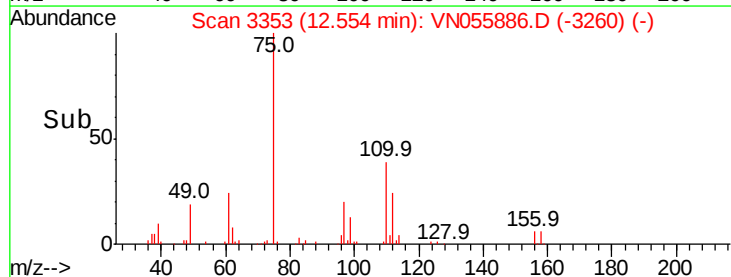
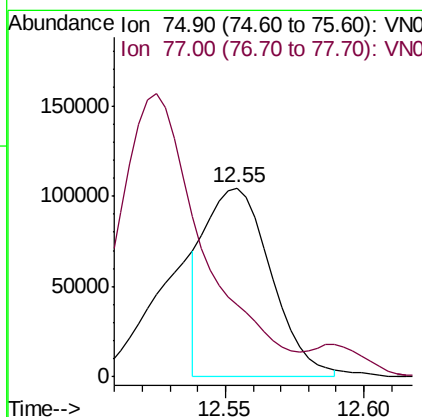
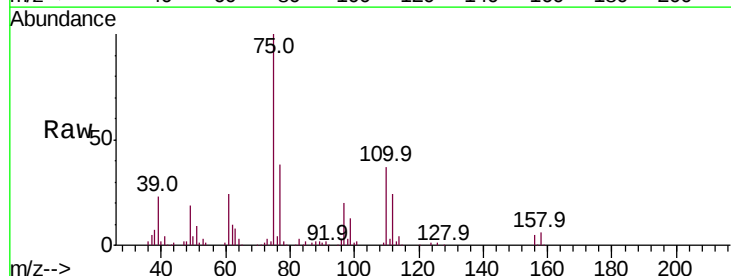
RT: 12.55 min Scan# 3353

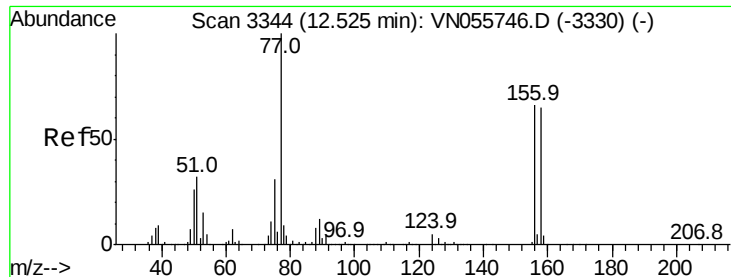
Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Tgt Ion:	75	Resp:	171802
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.987 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

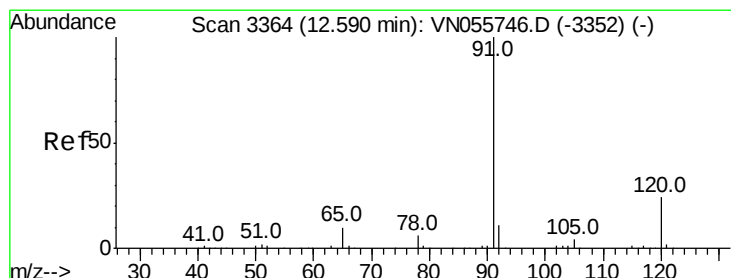
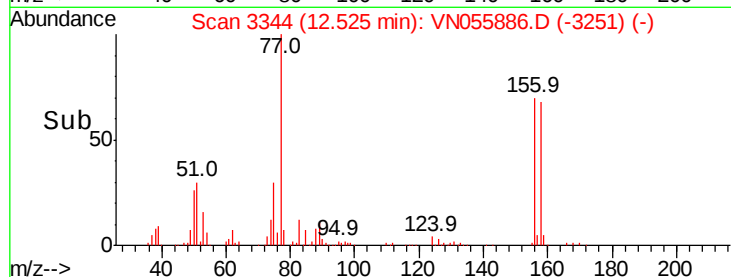
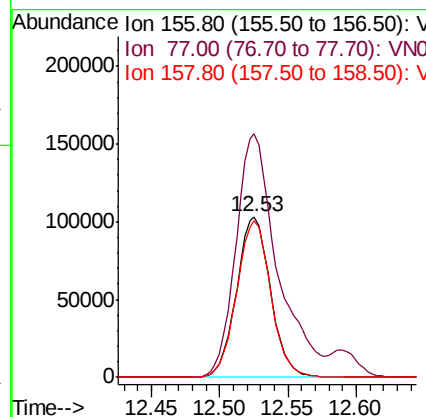
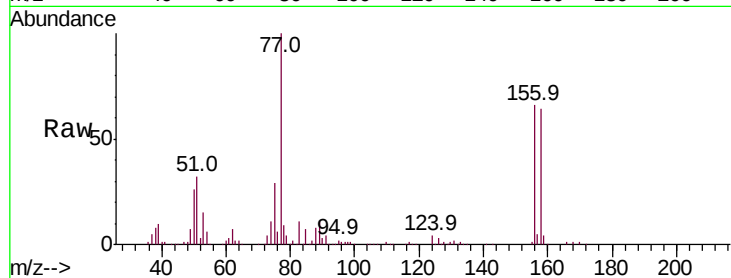
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	178663
Ion Ratio	Lower	Upper	
156	100		
77	186.1	90.8	272.5
158	97.5	49.3	147.8

Manual Integrations
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5/30/2019 9:35:36 AM



#78

n-propylbenzene

Concen: 47.078 ug/l

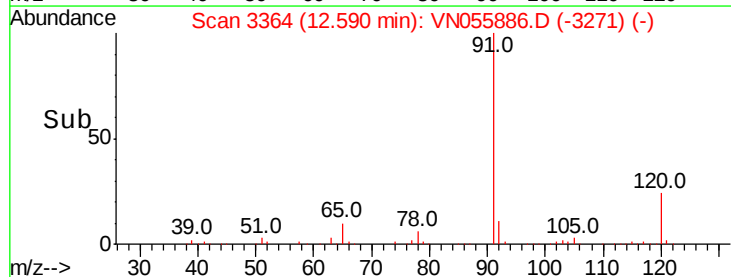
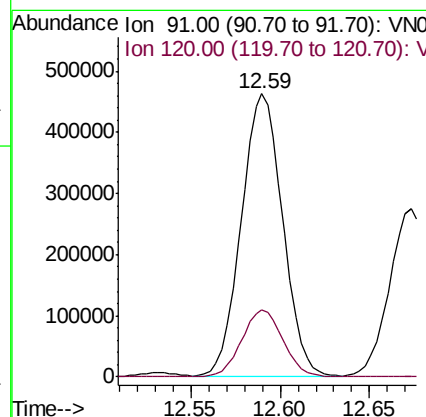
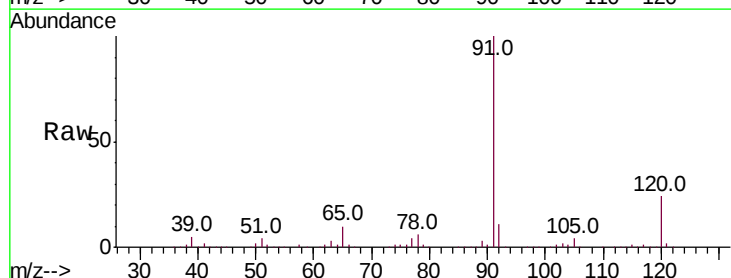
RT: 12.59 min Scan# 3364

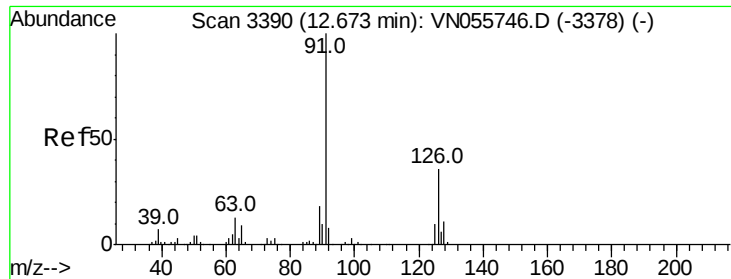
Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Tgt Ion:	91	Resp:	744963
Ion Ratio	Lower	Upper	
91	100		
120	23.8	12.0	36.0





#79

2-Chlorotoluene

Concen: 53.276 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 452669

Ion Ratio Lower Upper

91 100

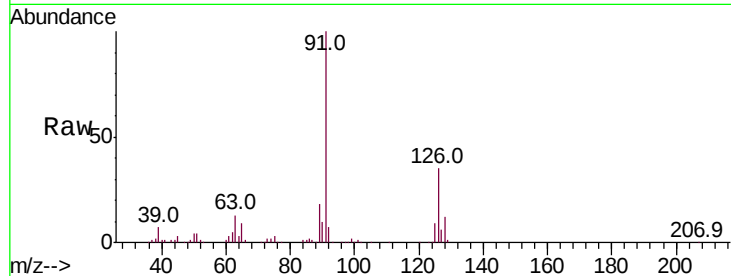
126 35.6 18.1 54.4

Manual Integrations

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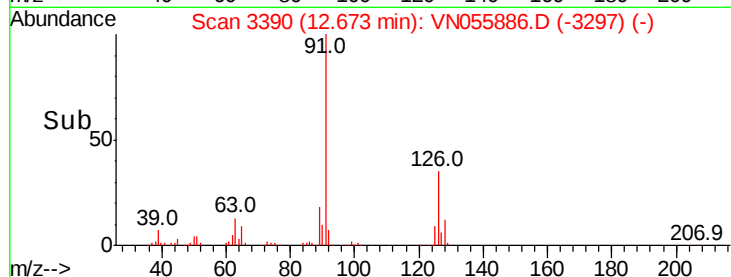
5/30/2019 9:35:36 AM



Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)

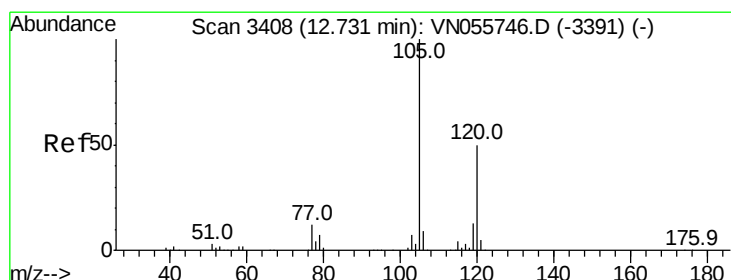
Ion 125.90 (125.60 to 126.60): VN055746.D (-3378) (-)

Time-->



Abundance

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.361 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055886.D

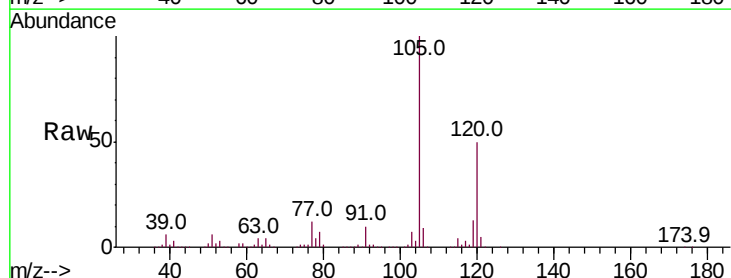
Acq: 29 May 2019 18:43

Tgt Ion: 105 Resp: 569483

Ion Ratio Lower Upper

105 100

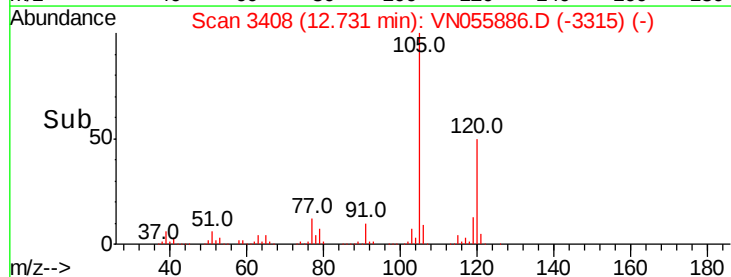
120 49.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)

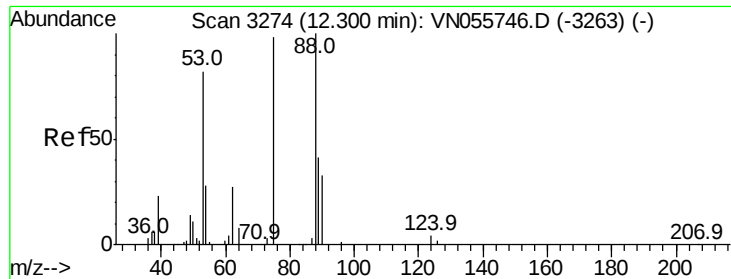
Ion 120.00 (119.70 to 120.70): VN055746.D (-3391) (-)

Time-->



Abundance

Time-->



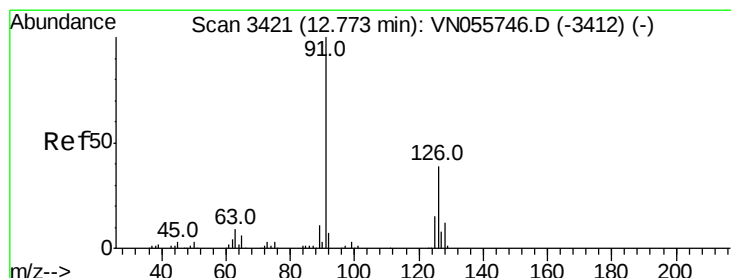
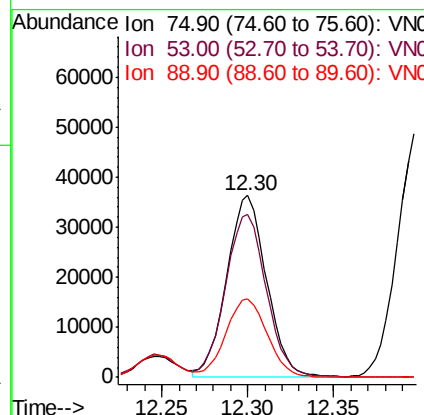
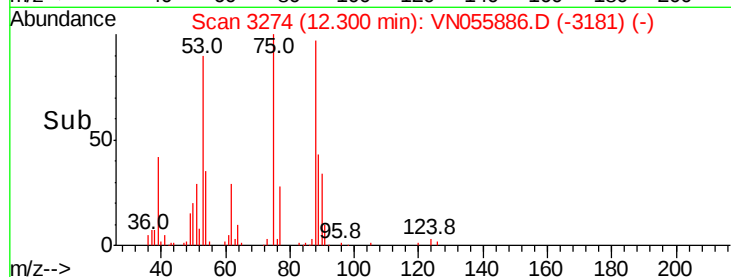
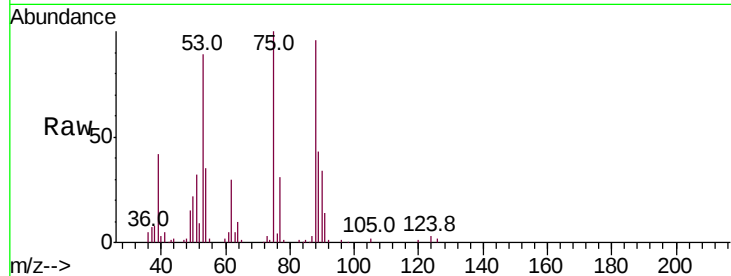
#81
trans-1,4-Dichloro-2-butene
Concen: 43.578 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.0	68.1	102.1
89	44.6	36.9	55.3

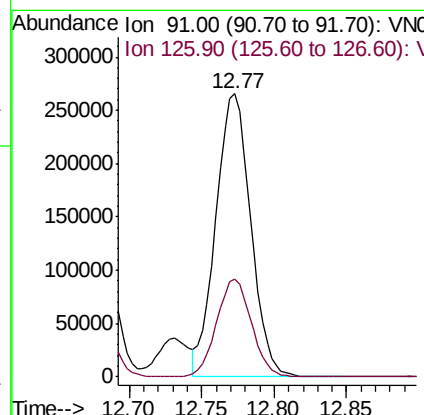
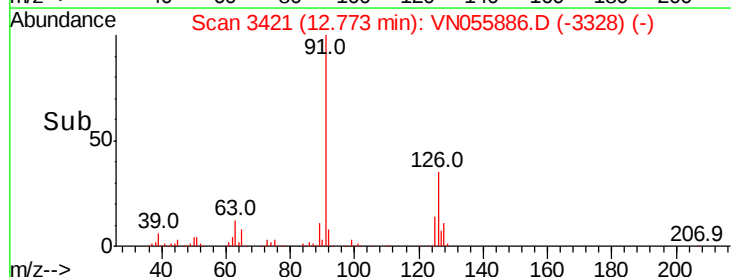
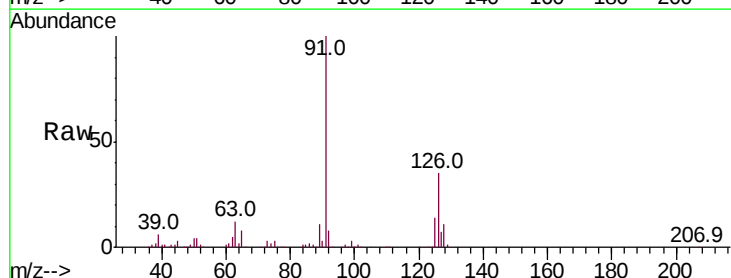
Manual Integrations
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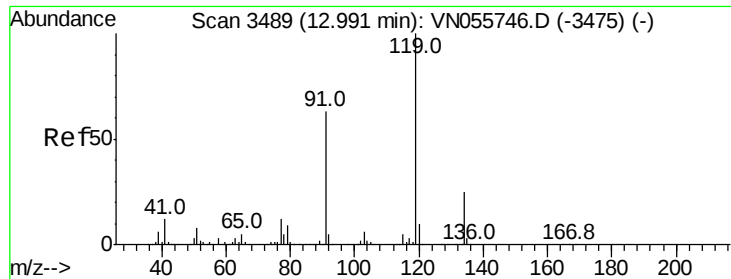
MMDadoda
5/30/2019 9:35:36 AM



#82
4-Chlorotoluene
Concen: 47.680 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.8	53.3





#83

tert-Butylbenzene

Concen: 53.055 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

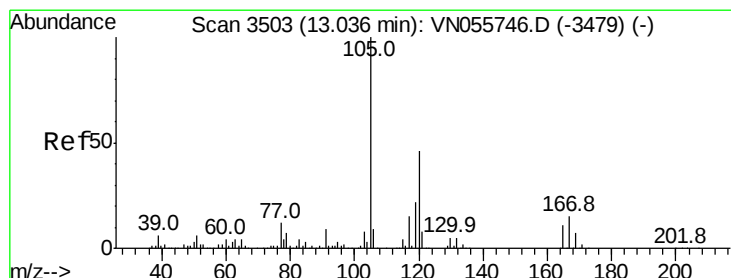
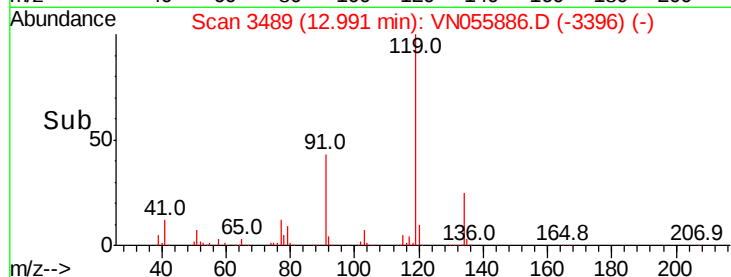
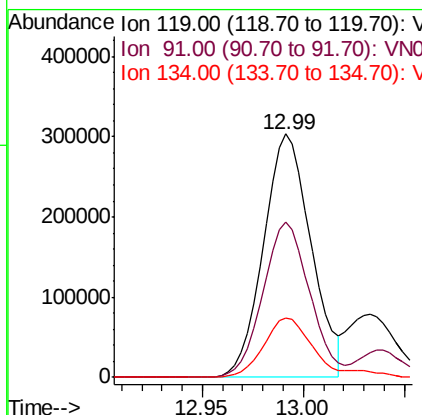
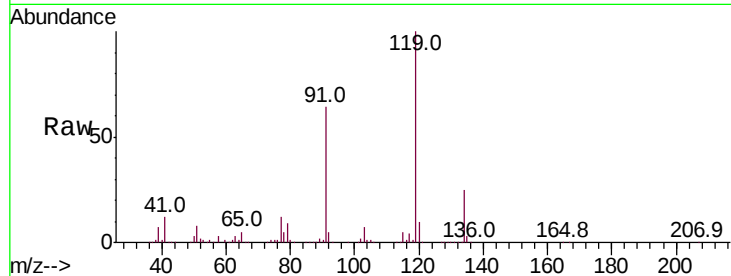
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	498194
Ion Ratio	Lower	Upper	
119	100		
91	62.6	30.9	92.8
134	26.4	13.3	39.8

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#84

1,2,4-Trimethylbenzene

Concen: 51.844 ug/l

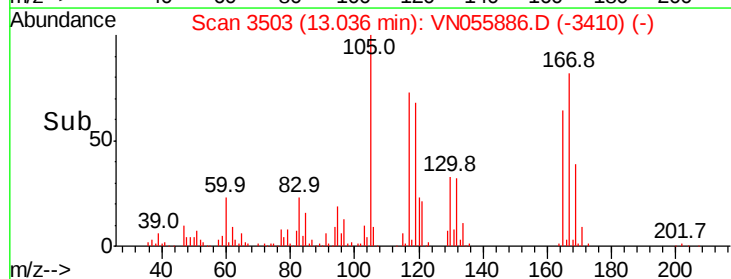
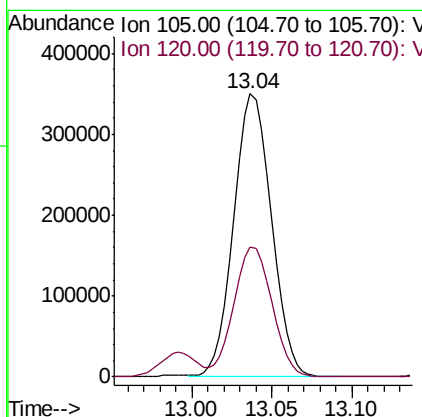
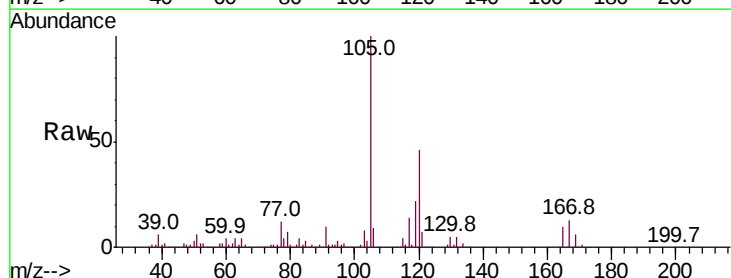
RT: 13.04 min Scan# 3503

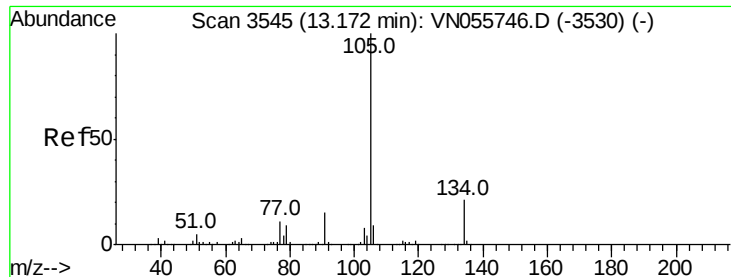
Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Tgt Ion:	105	Resp:	563293
Ion Ratio	Lower	Upper	
105	100		
120	46.3	23.0	69.0





#85

sec-Butylbenzene

Concen: 52.929 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 647006

Ion Ratio Lower Upper

105 100

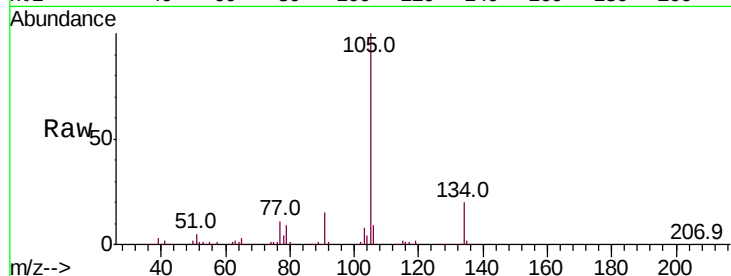
134 20.5 10.4 31.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

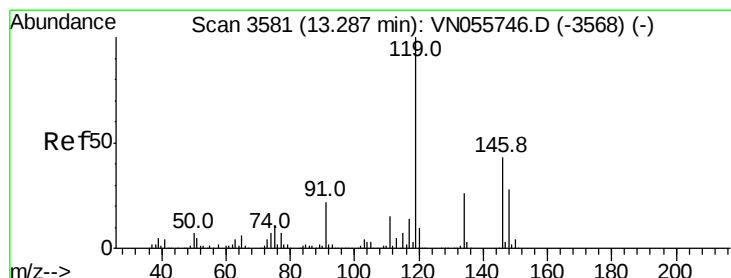
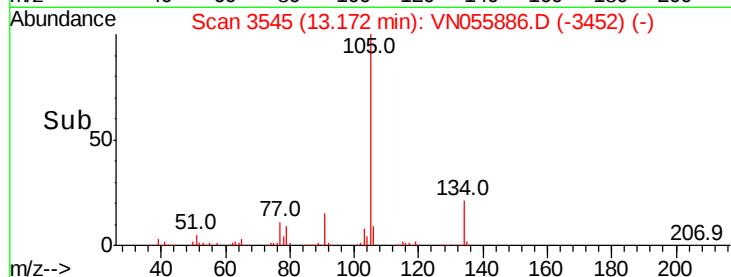
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 46.958 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

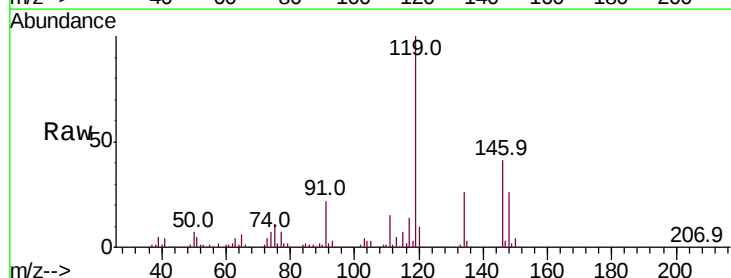
Tgt Ion:119 Resp: 593724

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 21.8 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

500000

400000

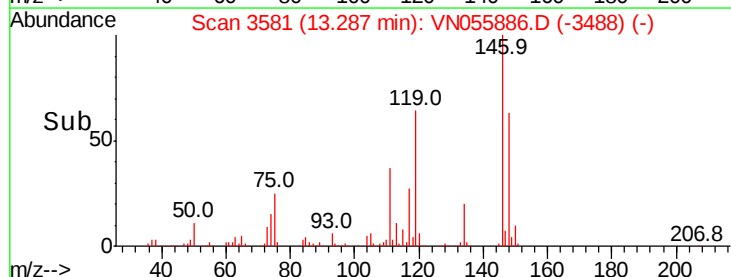
300000

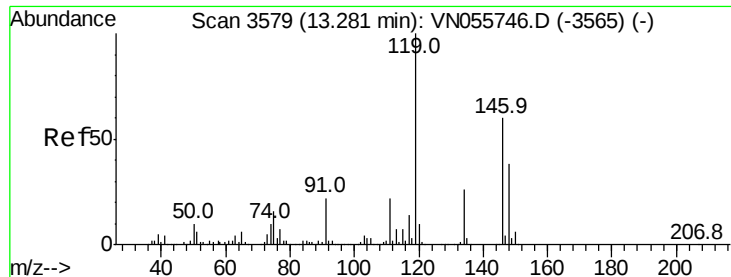
200000

100000

0

Time-->





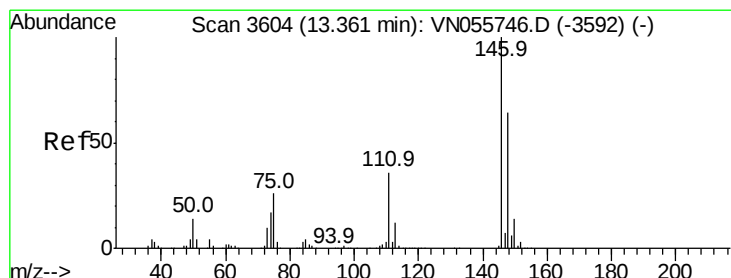
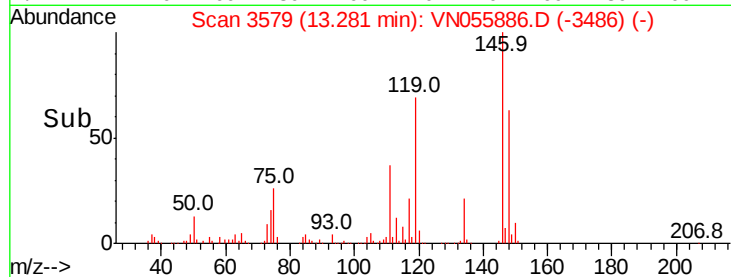
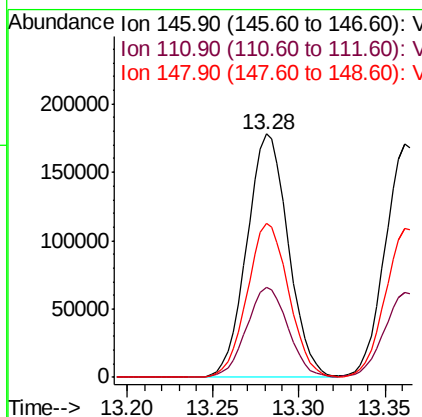
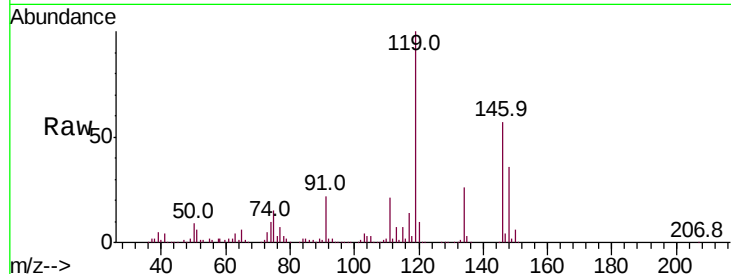
#87
 1,3-Dichlorobenzene
 Concen: 48.438 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	297980		
111	37.1	18.5	55.5	
148	63.4	32.0	96.2	

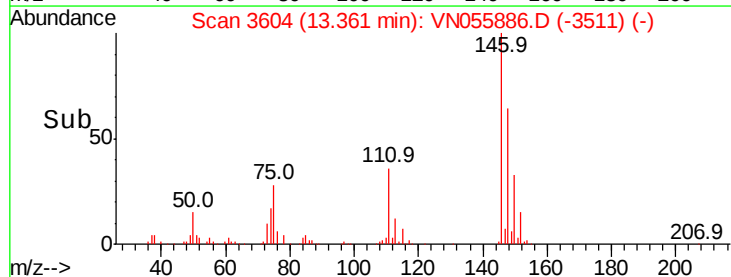
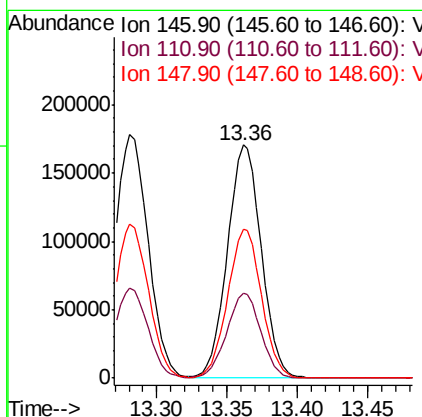
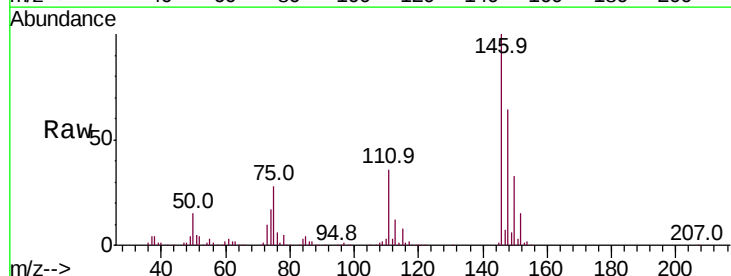
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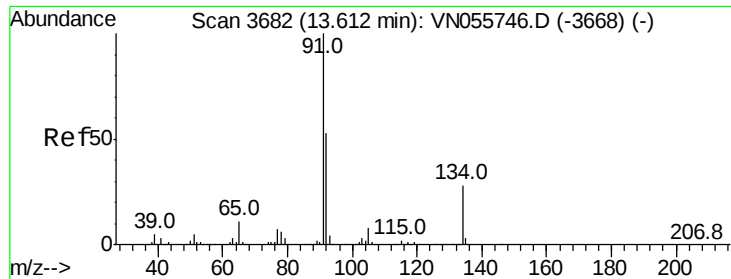
MMDadoda
 5/30/2019 9:35:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.960 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	286353		
111	36.7	18.1	54.4	
148	63.8	32.1	96.5	





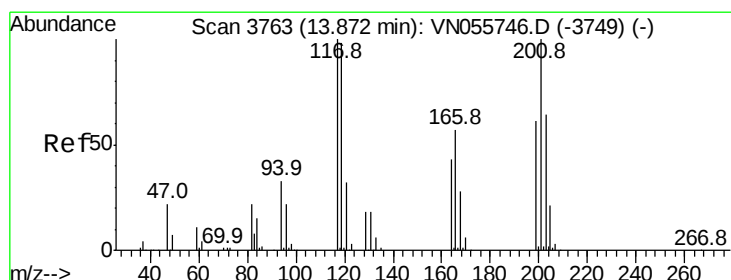
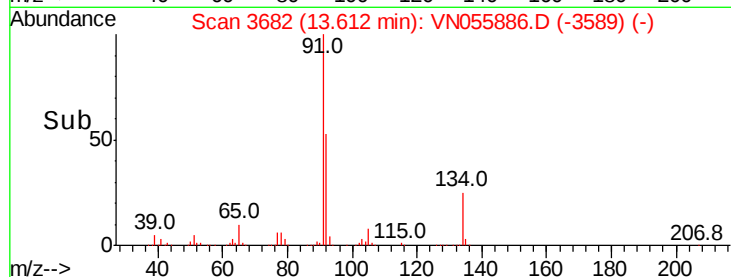
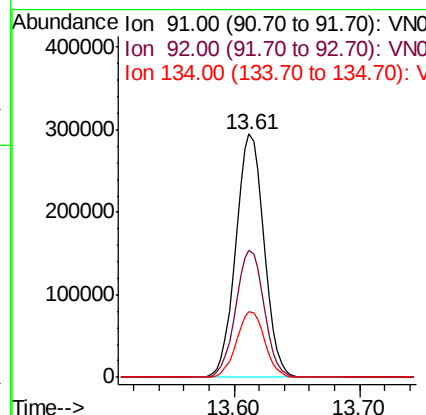
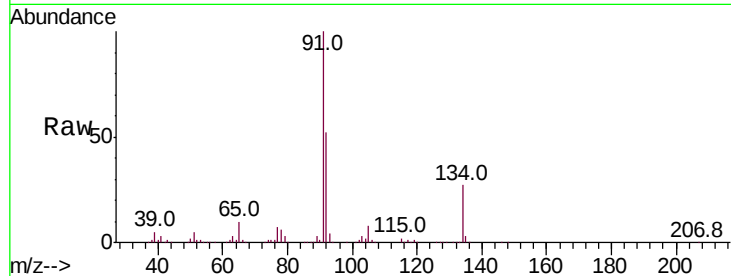
#89
n-Butylbenzene
Concen: 47.564 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.4	79.0
134	27.0	13.9	41.7

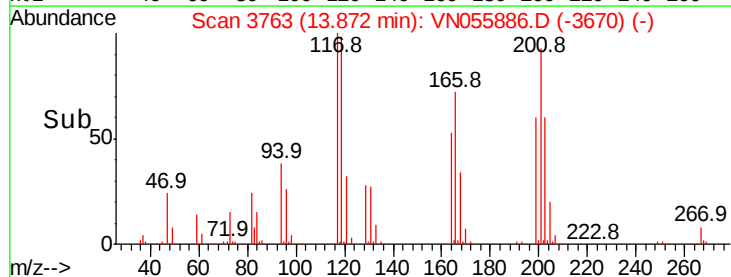
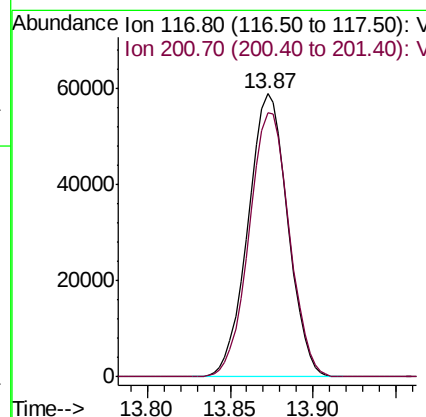
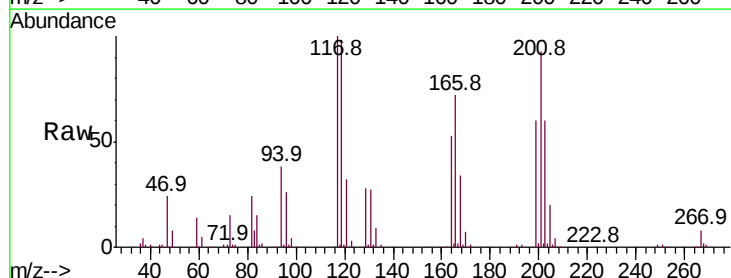
Manual Integrations
APPROVED

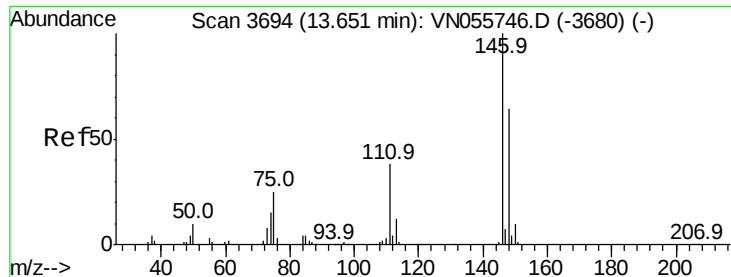
MMDadoda
5/30/2019 9:35:36 AM



#90
Hexachloroethane
Concen: 40.727 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.5	50.0	150.0





#91

1,2-Dichlorobenzene

Concen: 48.430 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

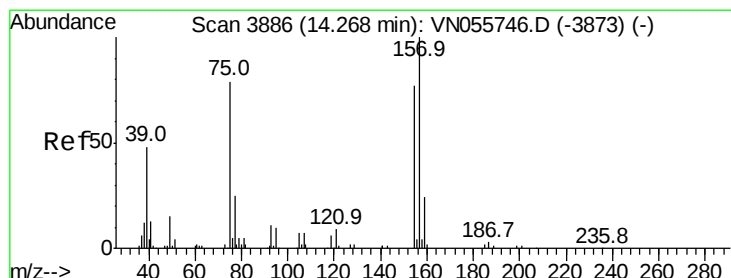
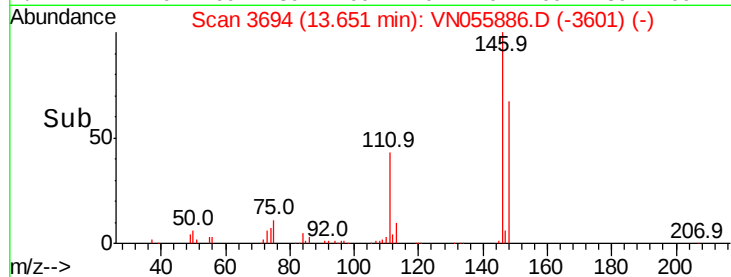
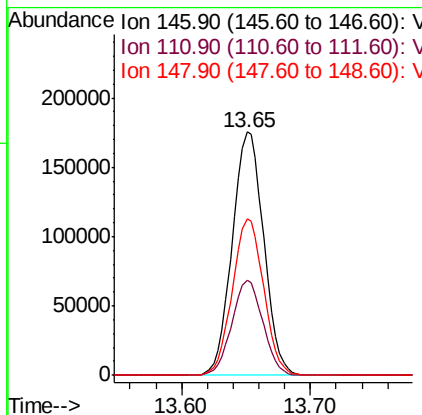
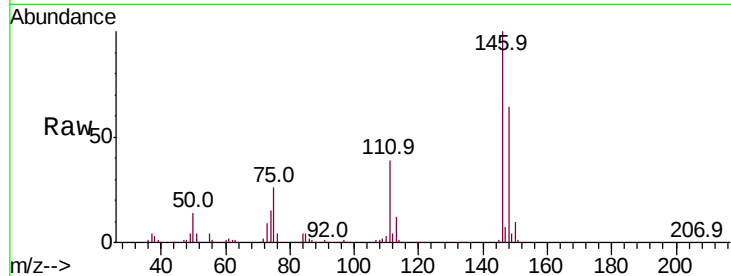
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	297243
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.1	57.5
148	63.8	31.9	95.9

Manual Integrations
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5/30/2019 9:35:36 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.526 ug/l

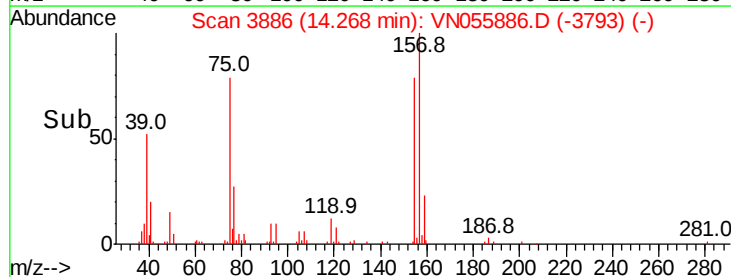
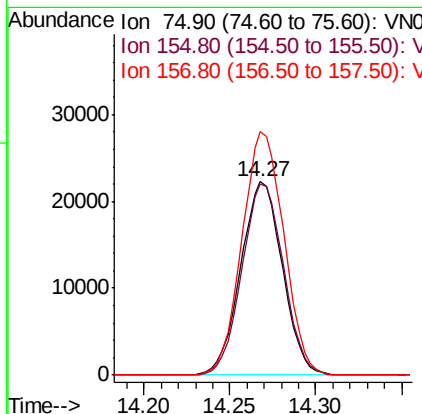
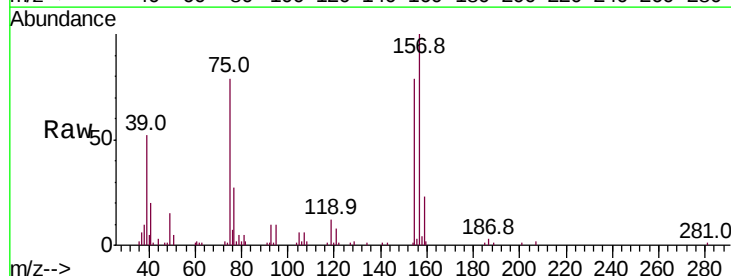
RT: 14.27 min Scan# 3886

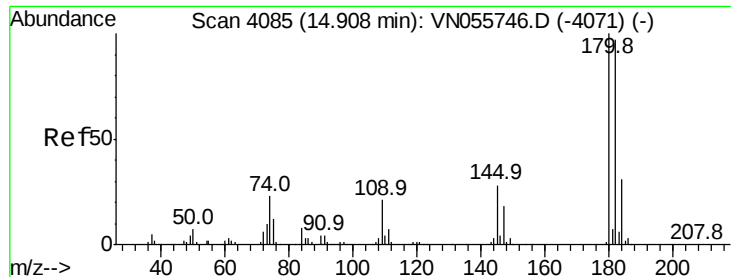
Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Tgt Ion:	75	Resp:	37533
Ion Ratio	Lower	Upper	
75	100		
155	98.6	50.0	150.1
157	126.1	64.8	194.3





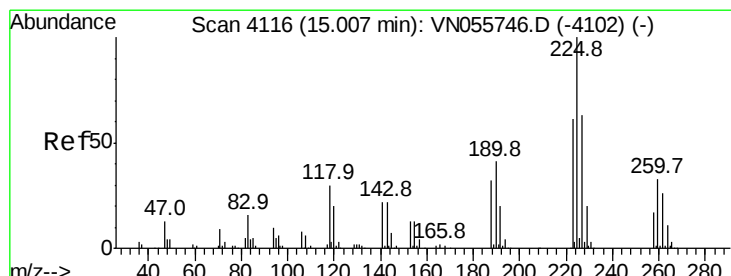
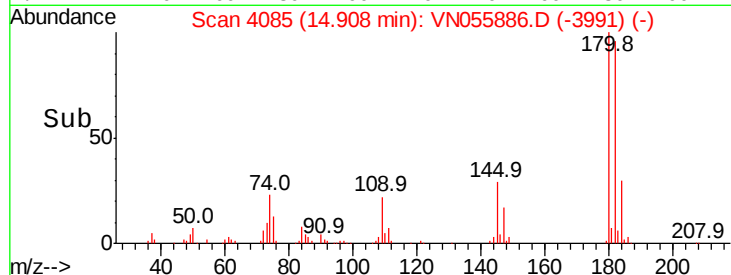
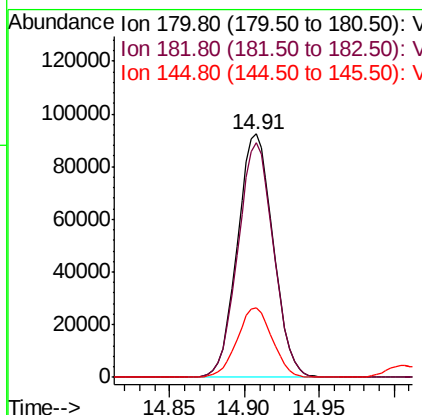
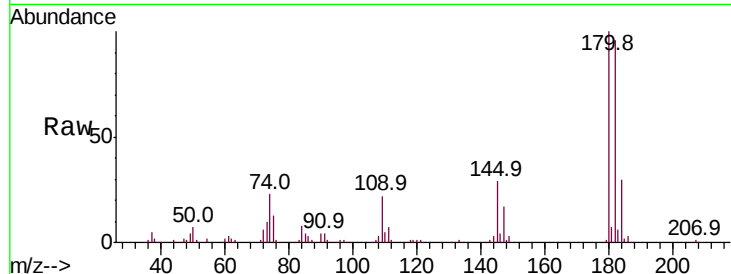
#93
1,2,4-Trichlorobenzene
Concen: 44.041 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	180	Resp:	153870
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.3	144.9
145	28.2	14.0	41.9

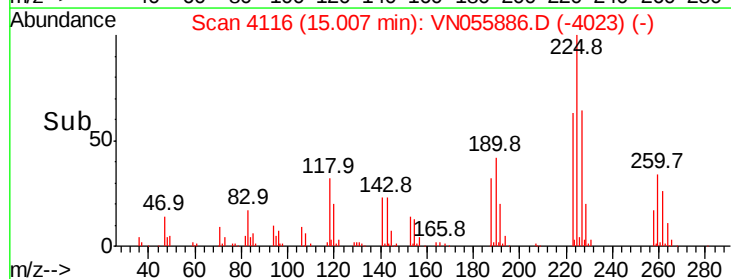
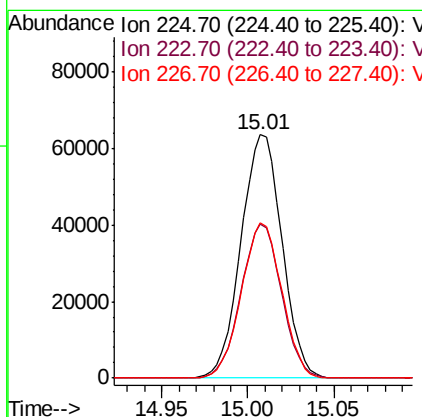
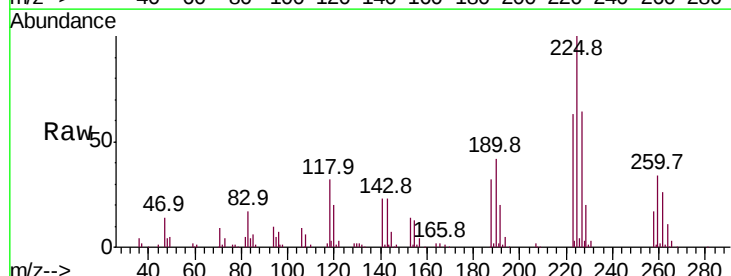
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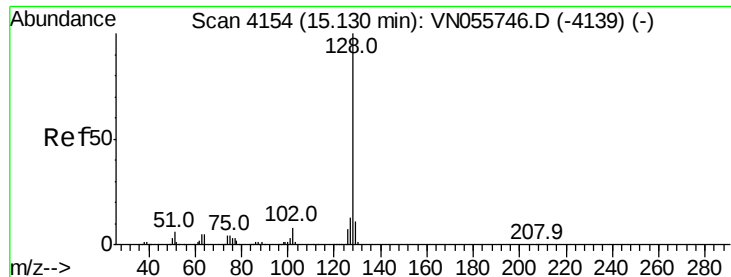
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#94
Hexachlorobutadiene
Concen: 48.747 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion:	225	Resp:	105391
Ion Ratio	Lower	Upper	
225	100		
223	62.6	30.9	92.7
227	62.8	31.6	94.7





#95

Naphthalene

Concen: 51.950 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

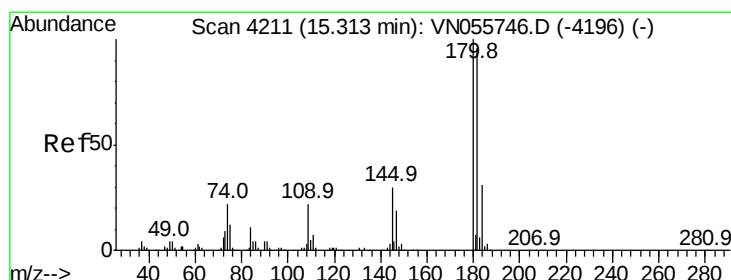
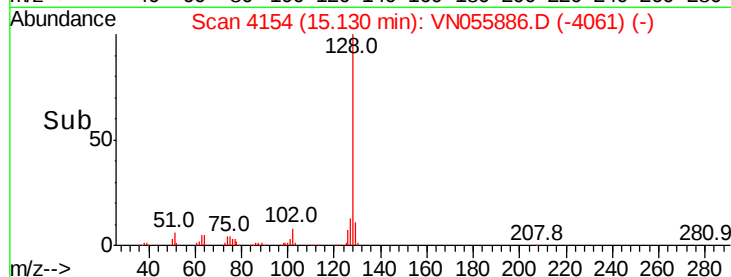
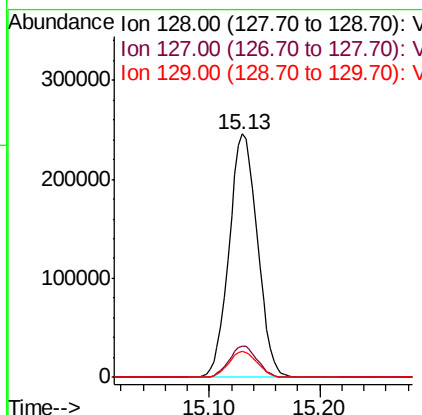
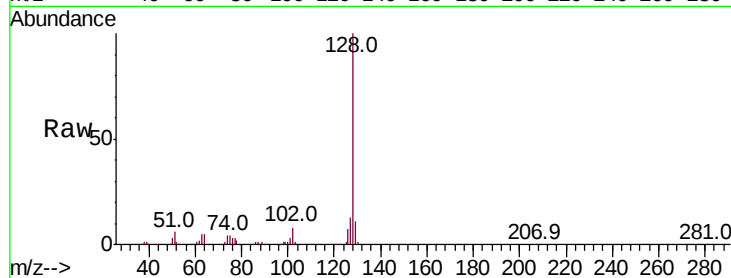
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	437530
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.7	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 50.266 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Tgt Ion:	180	Resp:	163082
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.9	143.7
145	30.1	14.9	44.7

