

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN052919\
 Data File : VN055865.D
 Acq On : 29 May 2019 9:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/30/2019 9:34:56 AM

Quant Time: May 30 09:02:35 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	347398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	489771	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	437332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	201117	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	174258	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
35) Dibromofluoromethane	7.59	113	155750	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	10.09	98	597813	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.40	95	204043	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	101274	43.316	ug/l	100
3) Chloromethane	2.06	50	143486	43.802	ug/l	99
4) Vinyl Chloride	2.18	62	154353	44.177	ug/l	97
5) Bromomethane	2.52	94	126841	58.028	ug/l	99
6) Chloroethane	2.67	64	89712	42.647	ug/l	99
7) Trichlorofluoromethane	3.00	101	209924	45.828	ug/l	100
8) Diethyl Ether	3.40	74	93633	45.607	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	134581	47.066	ug/l	99
10) Methyl Iodide	3.93	142	212752	50.892	ug/l	100
11) Tert butyl alcohol	4.82	59	152039	221.799	ug/l	98
12) 1,1-Dichloroethene	3.72	96	136548	46.217	ug/l	98
13) Acrolein	3.60	56	104593	213.093	ug/l	97
14) Allyl chloride	4.31	41	231779	45.762	ug/l	98
15) Acrylonitrile	4.99	53	376664	239.298	ug/l	99
16) Acetone	3.82	43	390499	247.613	ug/l	99
17) Carbon Disulfide	4.03	76	339507	40.445	ug/l	99
18) Methyl Acetate	4.33	43	162764	50.787	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	465552	47.246	ug/l	99
20) Methylene Chloride	4.54	84	156855	45.926	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	146447	46.138	ug/l	99
22) Diisopropyl ether	5.95	45	464786	47.181	ug/l	99
23) Vinyl Acetate	5.89	43	1998725	236.642	ug/l	99
24) 1,1-Dichloroethane	5.84	63	266534	46.470	ug/l	99
25) 2-Butanone	6.84	43	539731	245.056	ug/l	99
26) 2,2-Dichloropropane	6.82	77	226624	45.654	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	175540	47.403	ug/l	99
28) Bromochloromethane	7.19	49	132234	48.423	ug/l	99
29) Tetrahydrofuran	7.21	42	333309	238.971	ug/l	100
30) Chloroform	7.37	83	271359	47.440	ug/l	98
31) Cyclohexane	7.65	56	244321	45.371	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	236496	46.332	ug/l	99
36) 1,1-Dichloropropene	7.79	75	200638	47.008	ug/l	99
37) Ethyl Acetate	6.93	43	204292	49.523	ug/l	99
38) Carbon Tetrachloride	7.77	117	206494	46.446	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	253295	47.924	ug/l	98
40) Benzene	8.04	78	627980	48.819	ug/l	100
41) Methacrylonitrile	7.17	41	100369	48.160	ug/l	100
42) 1,2-Dichloroethane	8.12	62	201366	47.907	ug/l	100
43) Isopropyl Acetate	8.17	43	330914	47.744	ug/l #	92
44) Trichloroethene	8.83	130	181007	50.475	ug/l	100
45) 1,2-Dichloropropane	9.12	63	164639	49.125	ug/l	99
46) Dibromomethane	9.21	93	109195	49.681	ug/l	98
47) Bromodichloromethane	9.40	83	216103	47.949	ug/l	100
48) Methyl methacrylate	9.20	41	163043	51.041	ug/l	98
49) 1,4-Dioxane	9.20	88	66610	1003.452	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1008113	246.274	ug/l	100
52) Toluene	10.16	92	402464	49.747	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	233970	48.635	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	259405	48.674	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	160989	49.673	ug/l	98
56) Ethyl methacrylate	10.43	69	252530	50.416	ug/l	99
57) 1,3-Dichloropropane	10.71	76	262515	49.830	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	462650	241.695	ug/l	100
59) 2-Hexanone	10.75	43	715111	246.256	ug/l	99
60) Dibromochloromethane	10.90	129	184500	48.867	ug/l	100
61) 1,2-Dibromoethane	11.00	107	168801	50.213	ug/l	99
64) Tetrachloroethene	10.63	164	177760	48.192	ug/l	99
65) Chlorobenzene	11.43	112	435089	49.697	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	167487	47.966	ug/l	99
67) Ethyl Benzene	11.51	91	761843	48.525	ug/l	98
68) m/p-Xylenes	11.62	106	588020	99.070	ug/l	99
69) o-Xylene	11.95	106	286701	48.687	ug/l	100
70) Styrene	11.96	104	477334	50.055	ug/l	99
71) Bromoform	12.13	173	137626	46.209	ug/l #	99
73) Isopropylbenzene	12.25	105	759558	53.267	ug/l	100
74) N-amyl acetate	12.07	43	271063	49.761	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	220081	52.079	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	178737m	51.721	ug/l	
77) Bromobenzene	12.53	156	202567	47.200	ug/l	97
78) n-propylbenzene	12.59	91	818615	46.832	ug/l	99
79) 2-Chlorotoluene	12.67	91	494643	52.672	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	630780	52.510	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	65825	44.037	ug/l	96
82) 4-Chlorotoluene	12.77	91	484535	47.157	ug/l	100
83) tert-Butylbenzene	12.99	119	551969	53.223	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	623347	51.940	ug/l	99
85) sec-Butylbenzene	13.17	105	716089	53.035	ug/l	100
86) p-Isopropyltoluene	13.29	119	654065	46.830	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	330112	48.578	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	319547	49.459	ug/l	99
89) n-Butylbenzene	13.61	91	511985	47.843	ug/l	100
90) Hexachloroethane	13.87	117	114463	43.057	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	329795	48.643	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39813	44.677	ug/l	96

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ClientSampleId :
VSTDCCC050

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	183925	47.358	ug/l	99
94) Hexachlorobutadiene	15.01	225	123276	51.729	ug/l	99
95) Naphthalene	15.13	128	490829	52.758	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	193779	54.069	ug/l	99

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

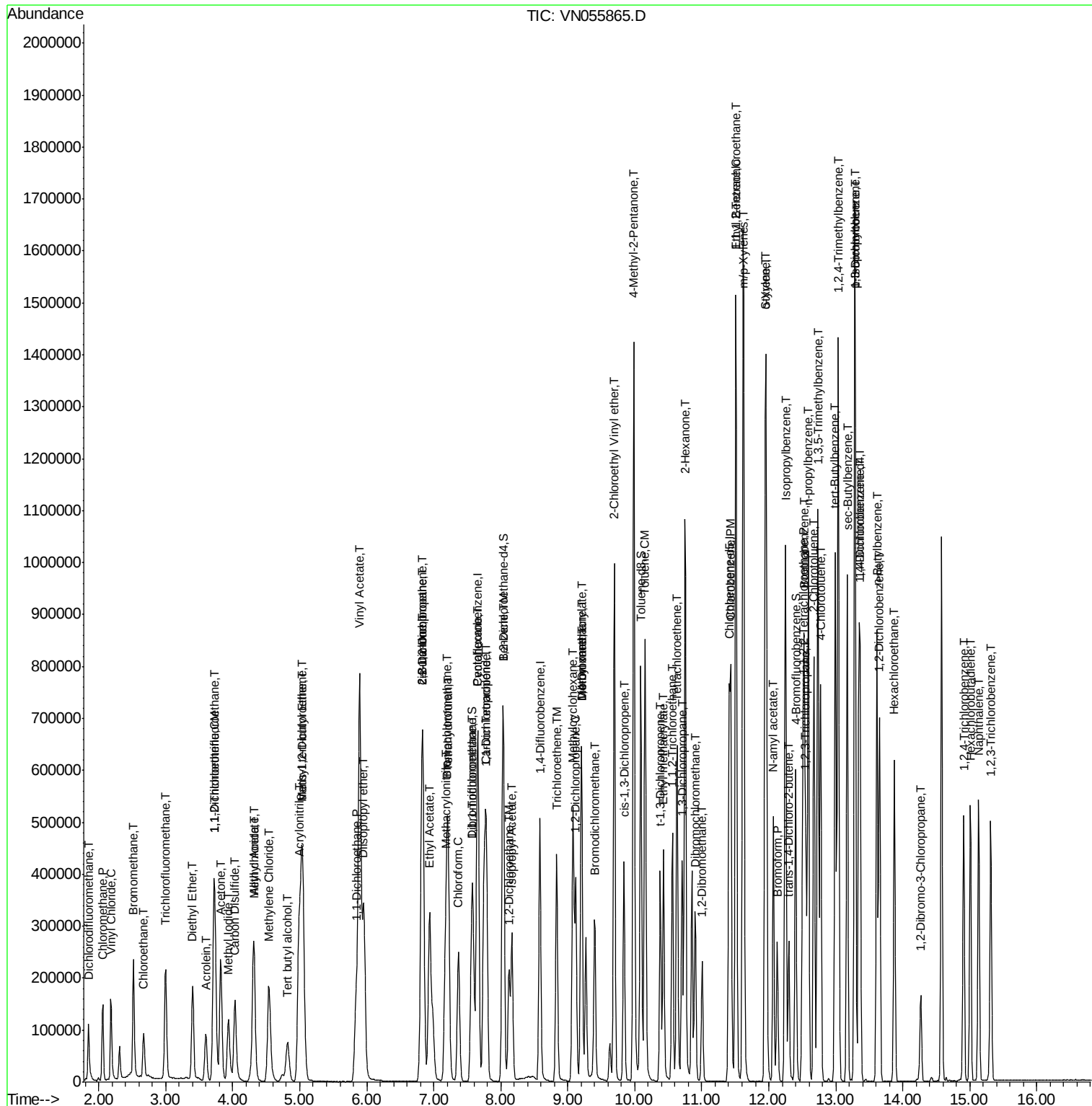
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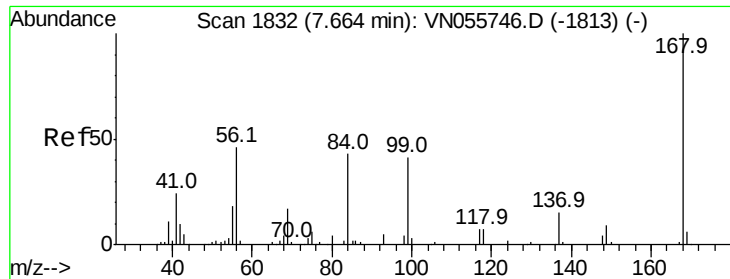
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 347398

Ion Ratio Lower Upper

168 100

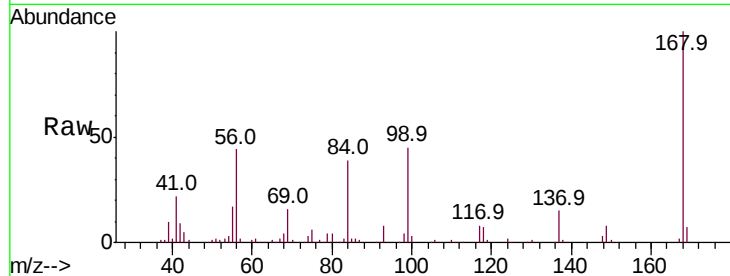
99 44.9 37.2 55.8

Manual Integrations

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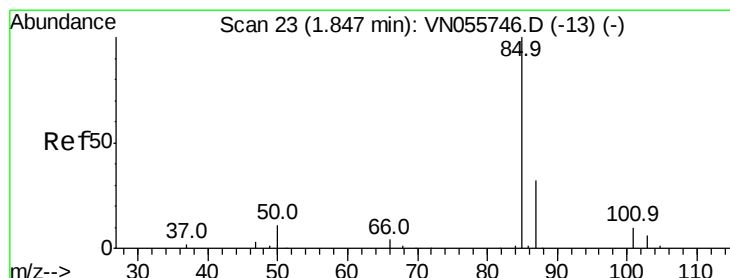
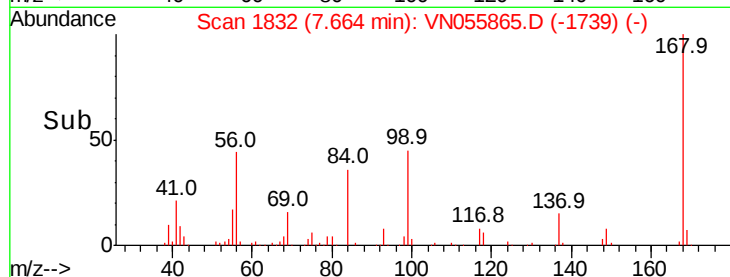
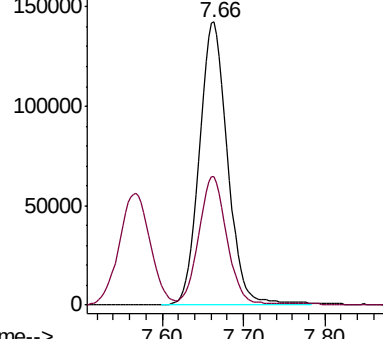
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 43.316 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055865.D

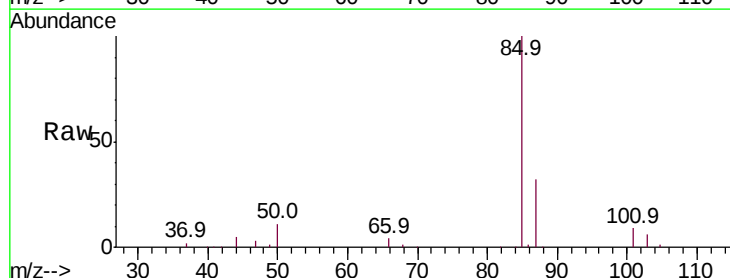
Acq: 29 May 2019 9:49

Tgt Ion: 85 Resp: 101274

Ion Ratio Lower Upper

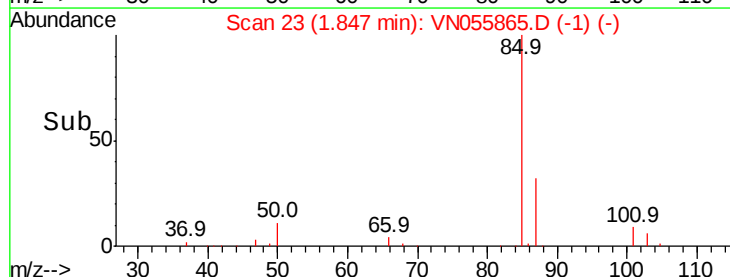
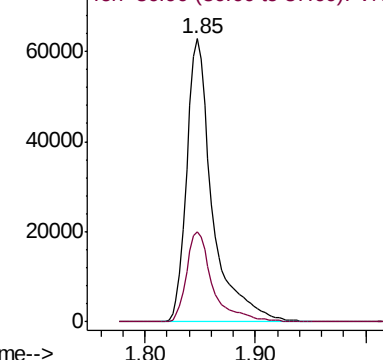
85 100

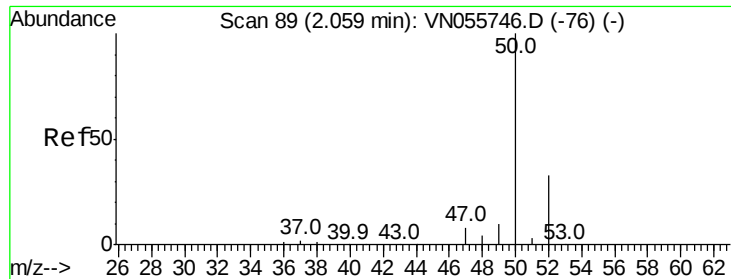
87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





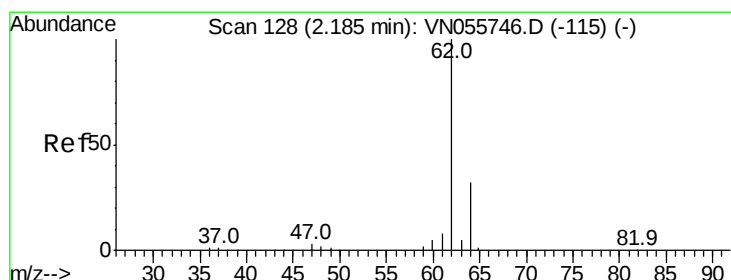
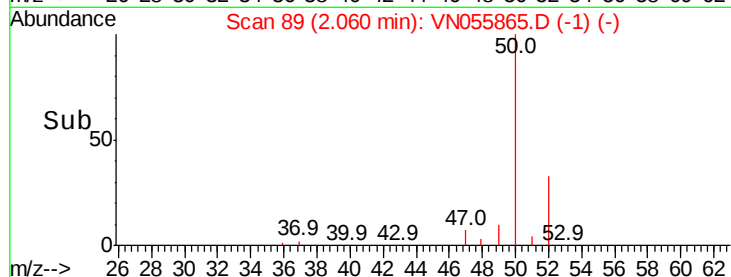
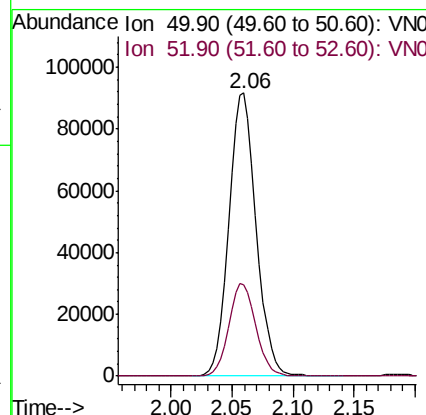
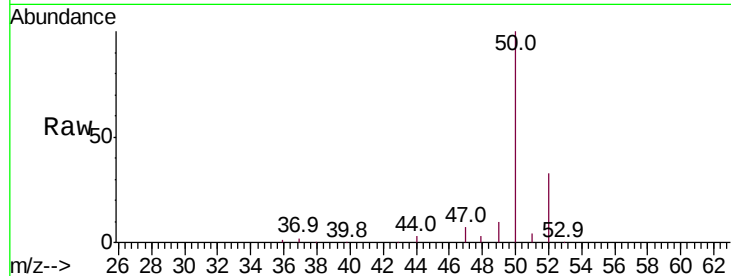
#3
Chloromethane
Concen: 43.802 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.6	40.0

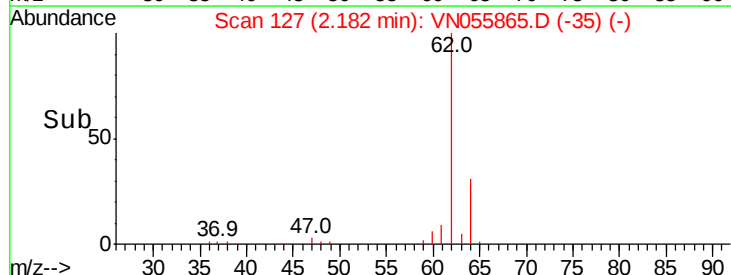
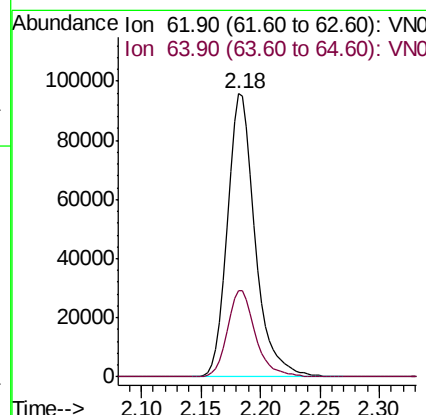
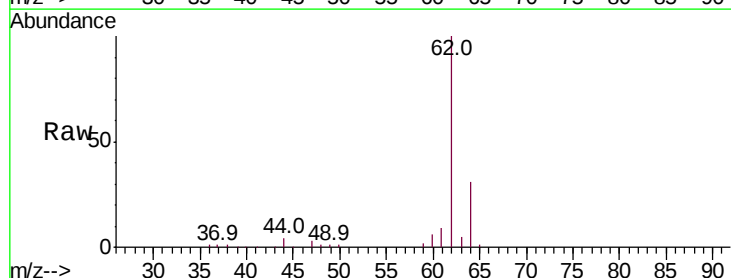
Manual Integrations
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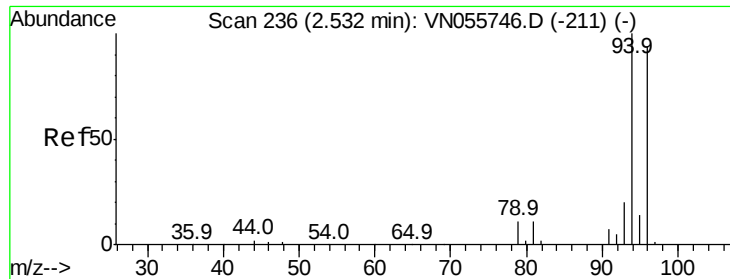
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#4
Vinyl Chloride
Concen: 44.177 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.6	38.4





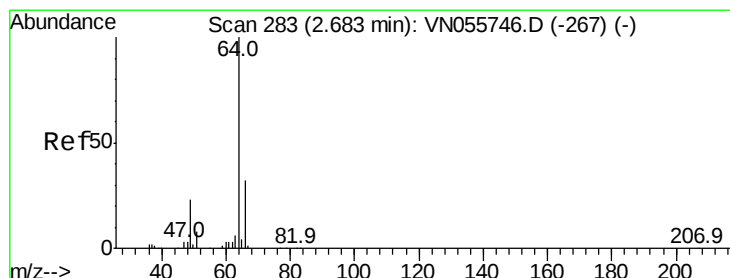
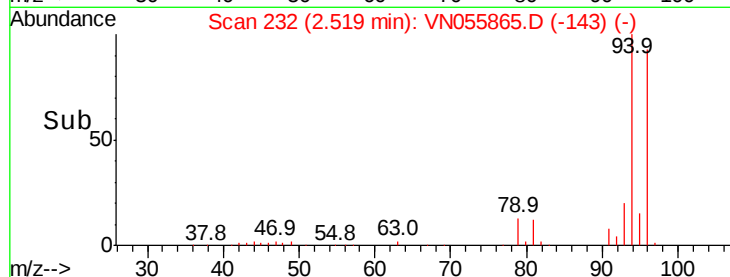
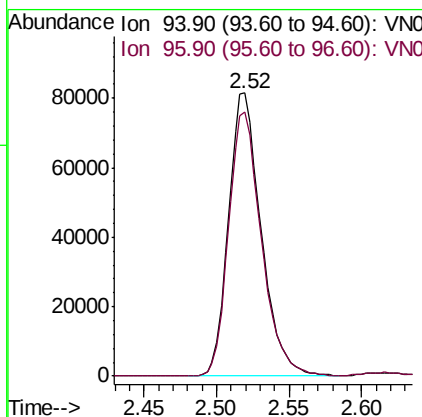
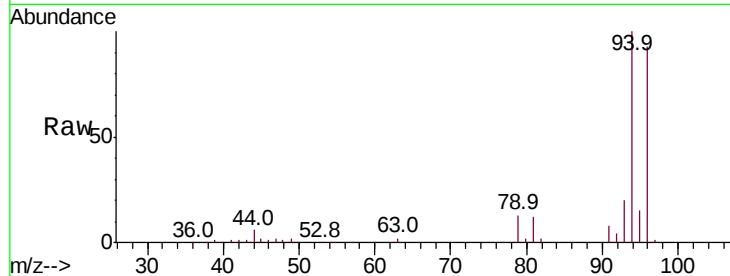
#5
Bromomethane
Concen: 58.028 ug/l
RT: 2.52 min Scan# 232
Delta R.T. -0.01 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 126841
Ion Ratio Lower Upper
94 100
96 93.5 75.5 113.3

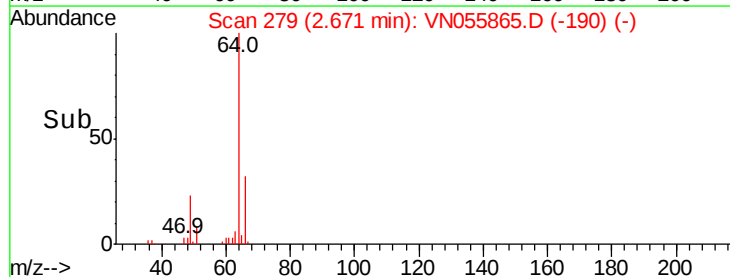
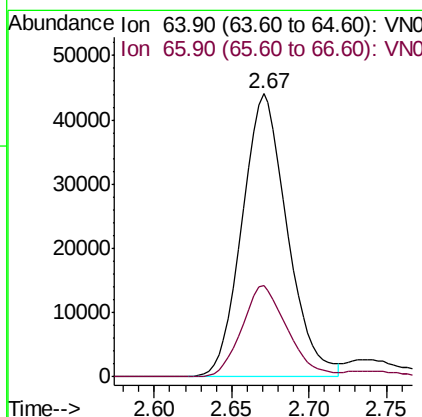
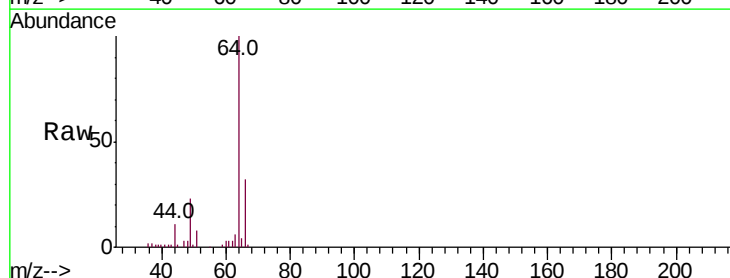
Manual Integrations
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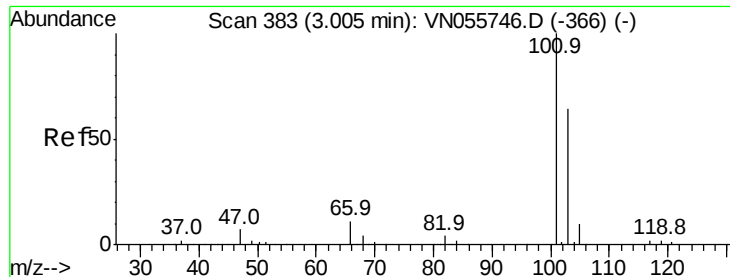
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5/30/2019 9:34:56 AM



#6
Chloroethane
Concen: 42.647 ug/l
RT: 2.67 min Scan# 279
Delta R.T. -0.01 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Tgt Ion: 64 Resp: 89712
Ion Ratio Lower Upper
64 100
66 32.5 25.4 38.0





#7

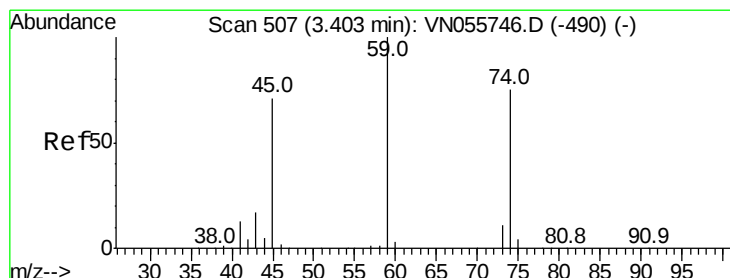
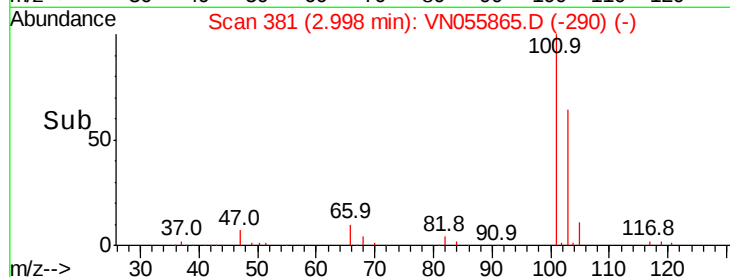
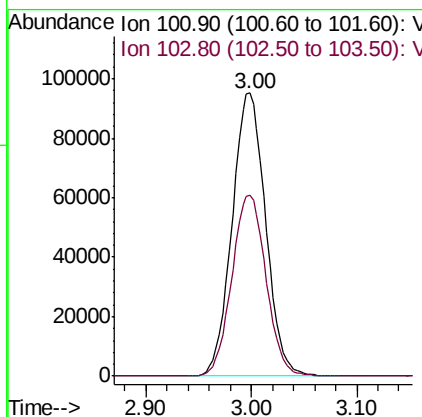
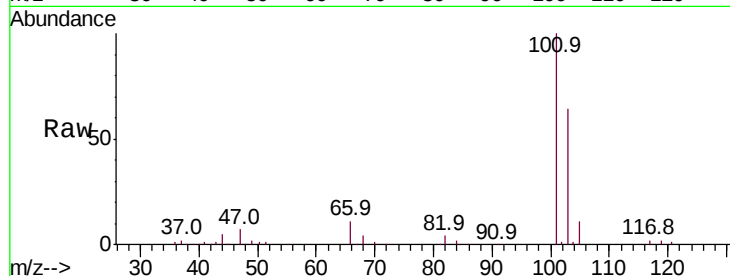
Trichlorofluoromethane
Concen: 45.828 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.01 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.2	76.8

Manual Integrations
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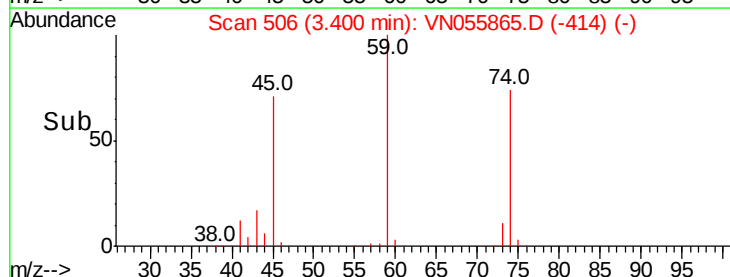
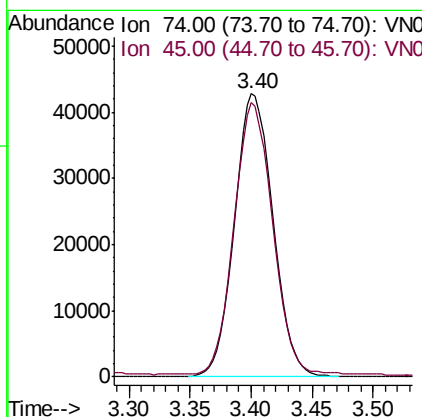
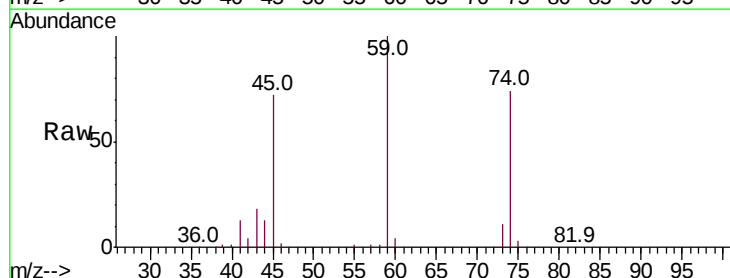
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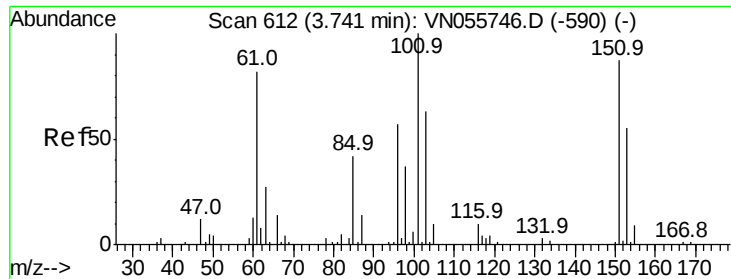


#8

Diethyl Ether
Concen: 45.607 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.066 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

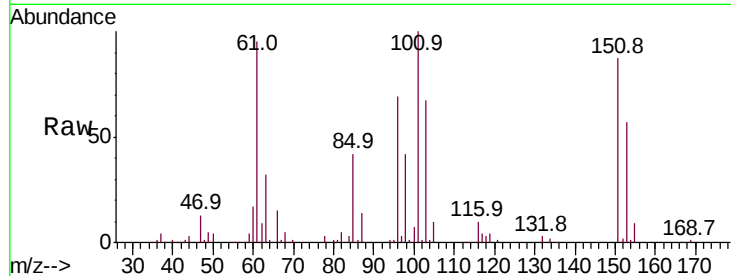
ClientSampleId :

VSTDCCC050

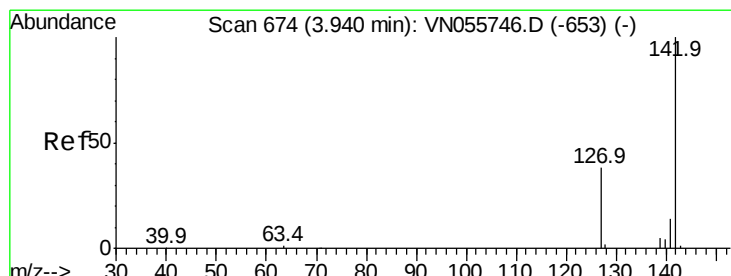
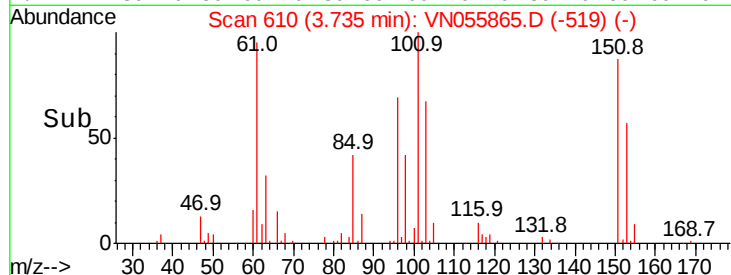
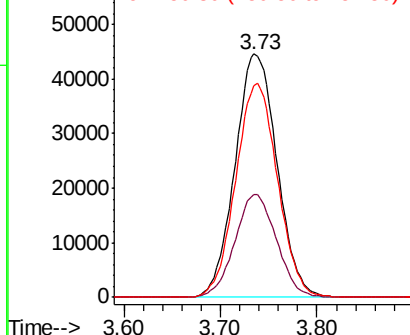
Tot Ion:	101	Resp:	134581
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.4	50.2
151	87.5	69.4	104.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.892 ug/l

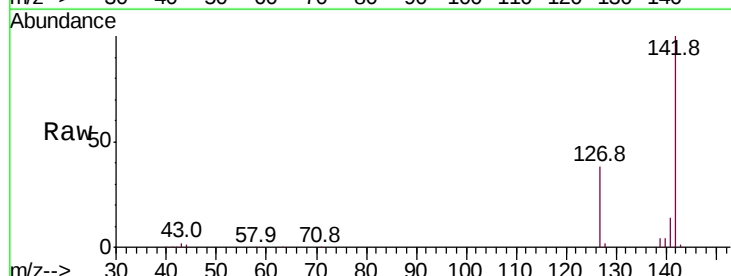
RT: 3.93 min Scan# 672

Delta R.T. -0.01 min

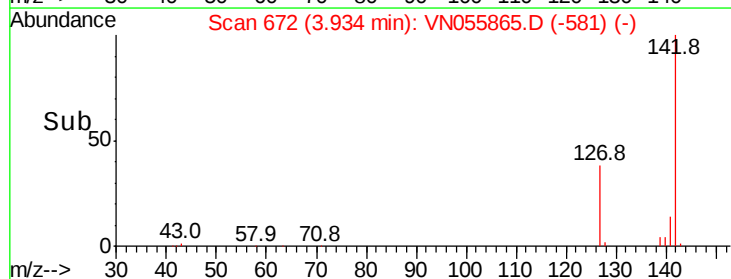
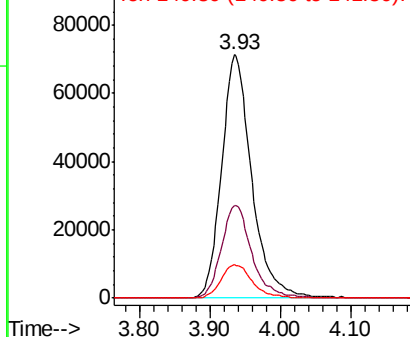
Lab File: VN055865.D

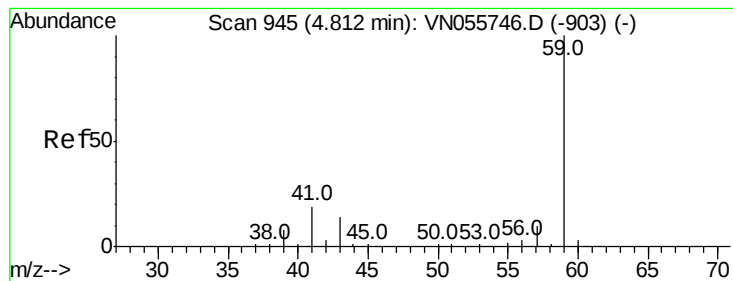
Acq: 29 May 2019 9:49

Tgt Ion:	142	Resp:	212752
Ion Ratio	Lower	Upper	
142	100		
127	38.6	31.0	46.4
141	14.3	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

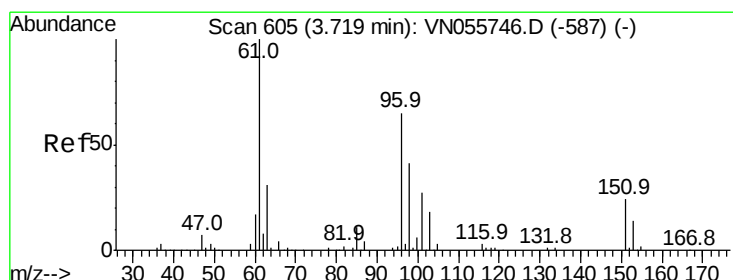
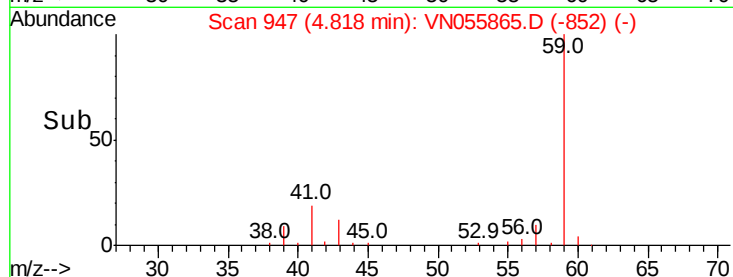
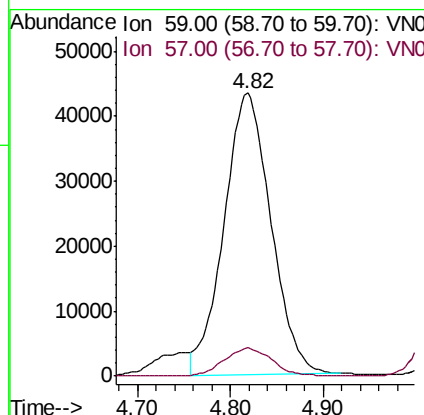
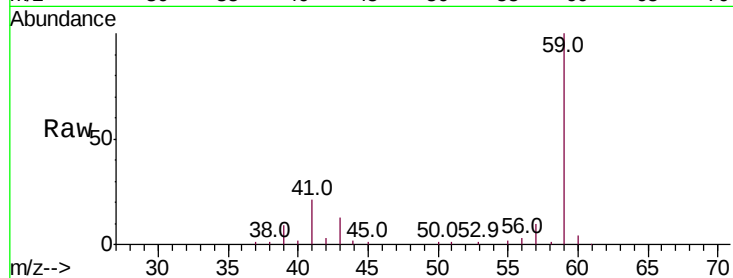
Tert butyl alcohol
Concen: 221.799 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.6

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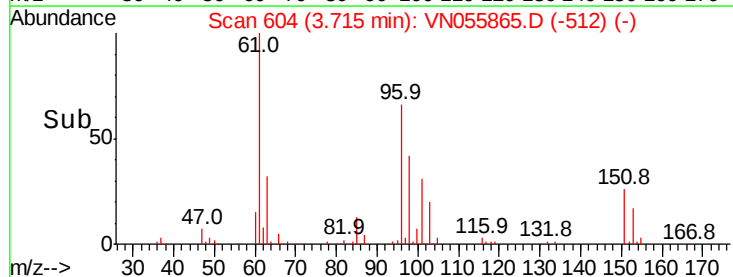
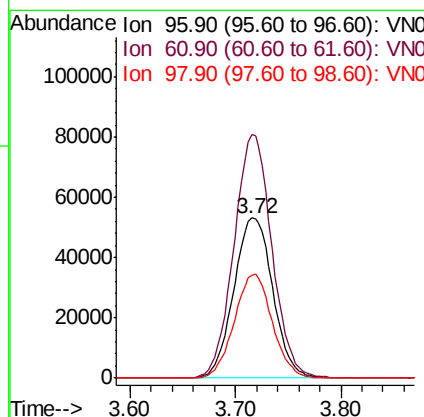
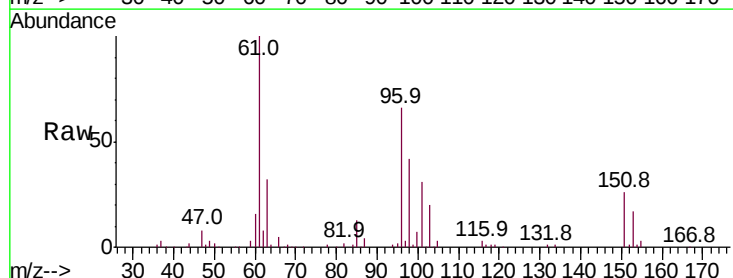
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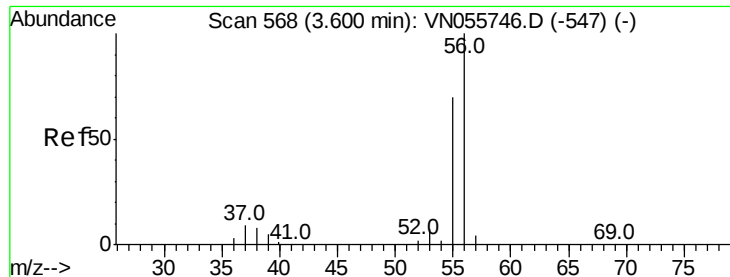


#12

1,1-Dichloroethene
Concen: 46.217 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.0	123.2	184.8
98	64.5	50.4	75.6





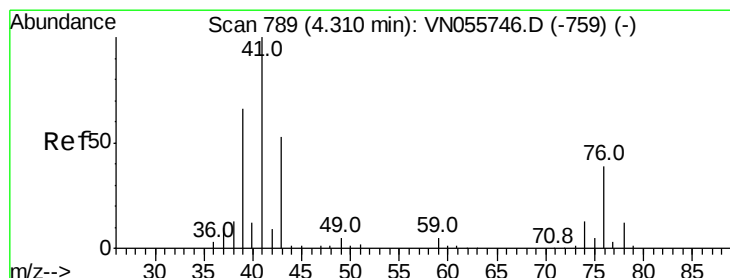
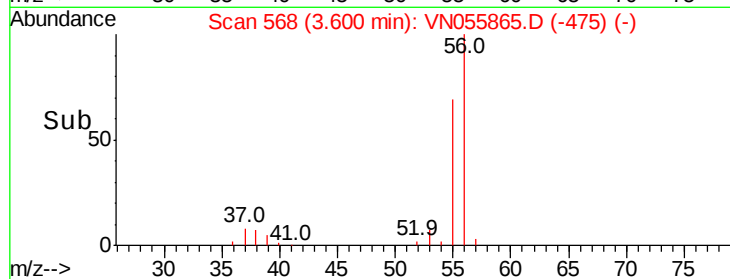
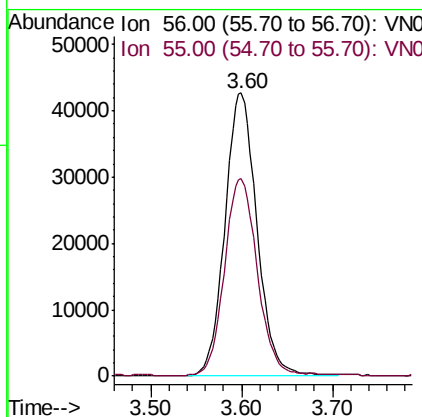
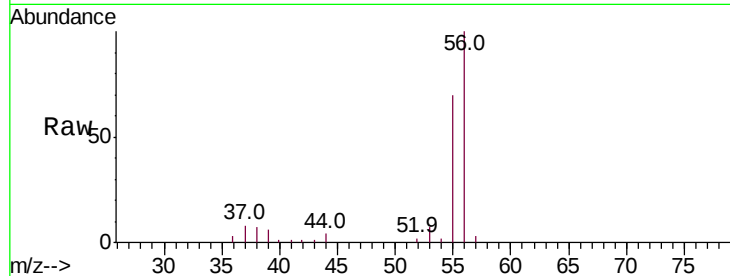
#13
Acrolein
Concen: 213.093 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	104593
Ion Ratio	56	100	
Lower	55	71.4	55.4
Upper			83.2

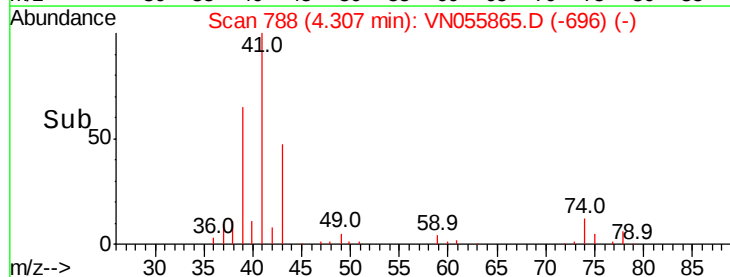
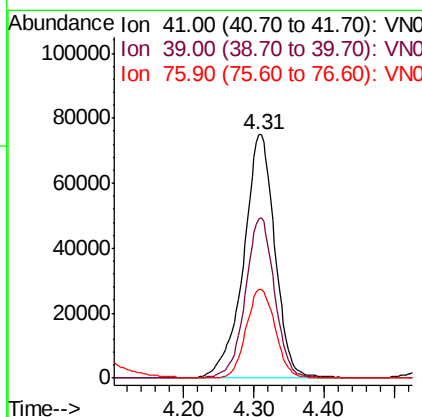
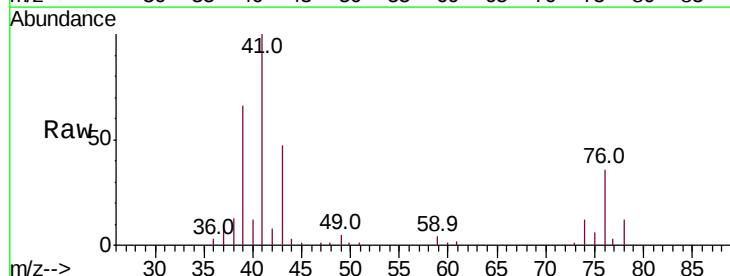
Manual Integrations
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#14
Allyl chloride
Concen: 45.762 ug/l
RT: 4.31 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Tgt Ion	41	Resp	231779
Ion Ratio	41	100	
Lower	39	61.5	50.0
Upper			75.0
	76	33.8	28.2
			42.2





#15

Acrylonitrile

Concen: 239.298 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

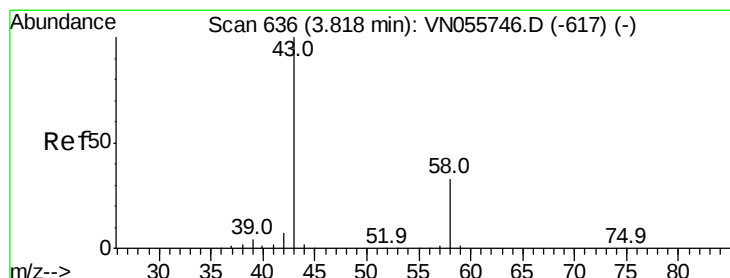
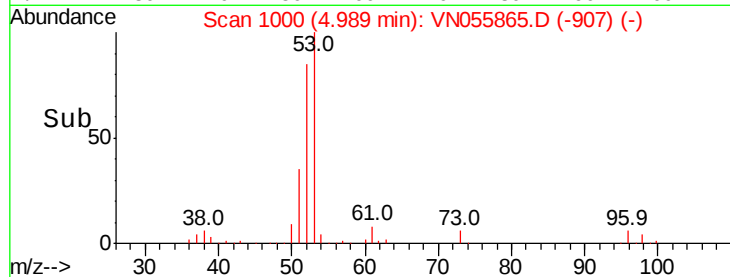
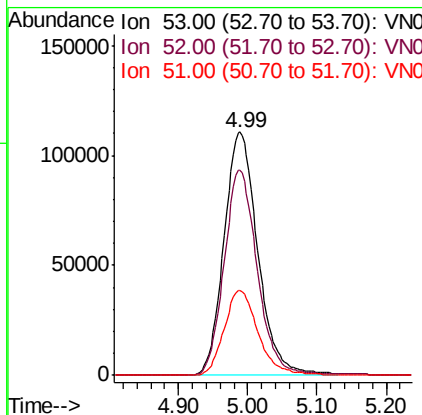
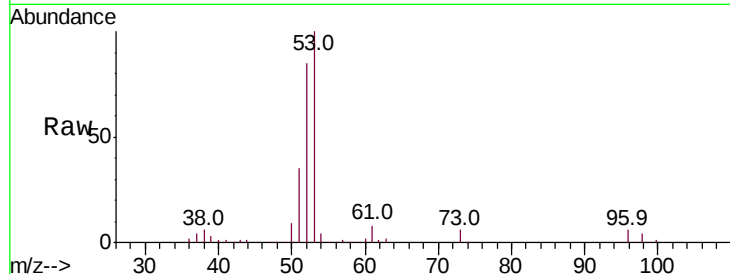
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	376664
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.8	98.8
51	35.2	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 247.613 ug/l

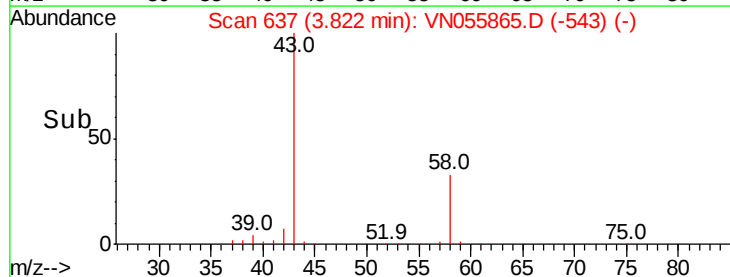
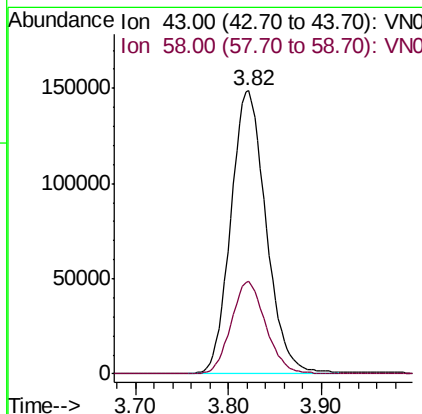
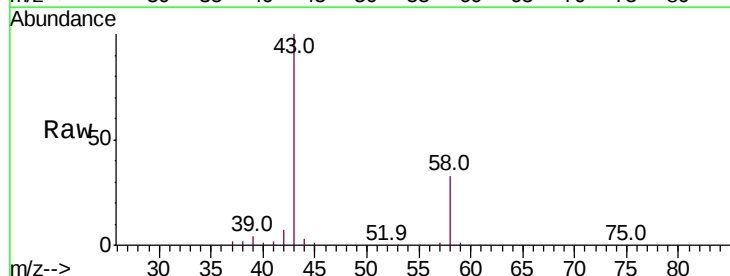
RT: 3.82 min Scan# 637

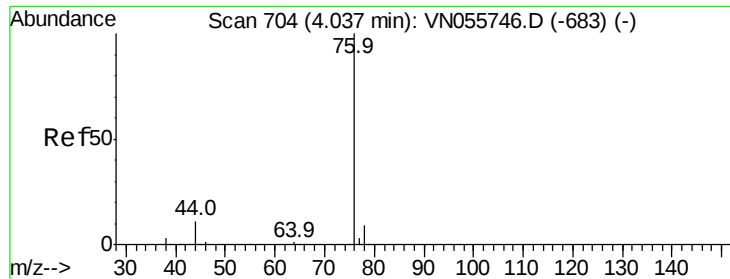
Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Tgt Ion:	43	Resp:	390499
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.6	39.8





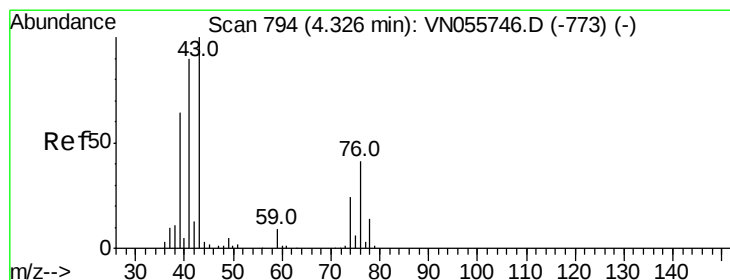
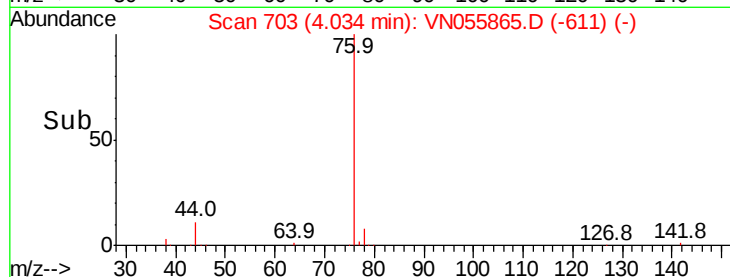
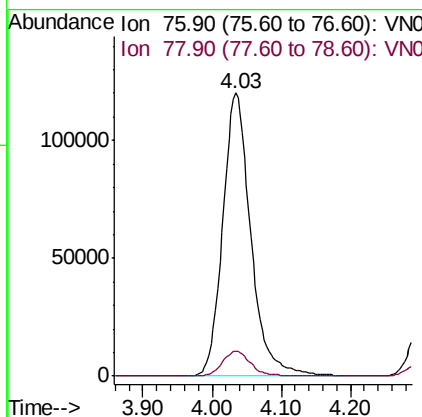
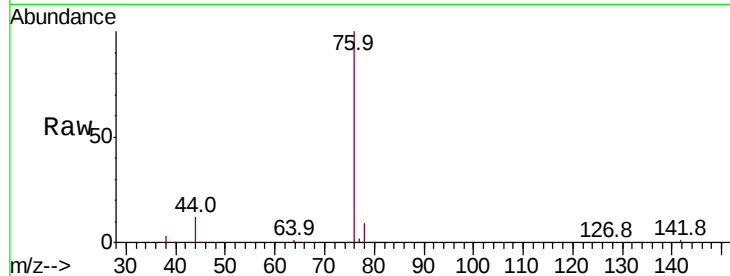
#17
Carbon Disulfide
Concen: 40.445 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

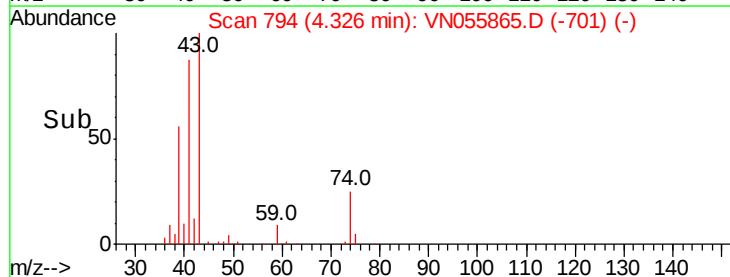
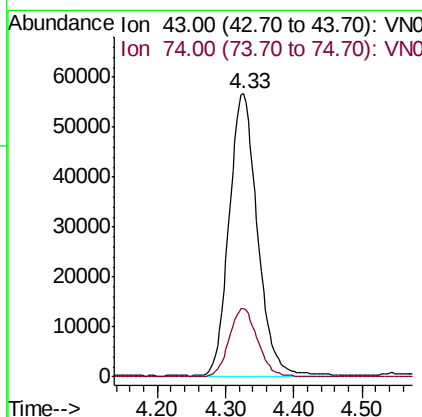
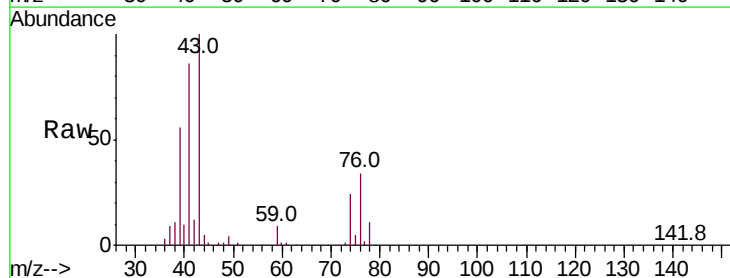
Manual Integrations
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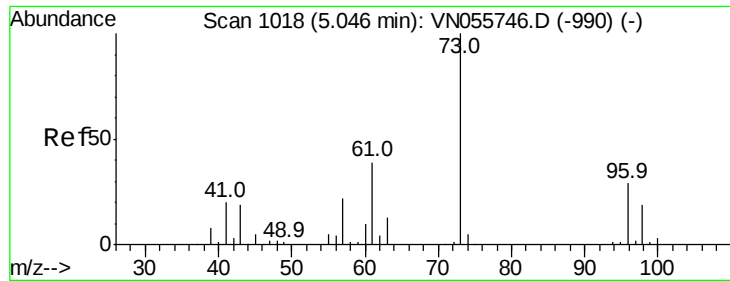
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#18
Methyl Acetate
Concen: 50.787 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.3	28.9





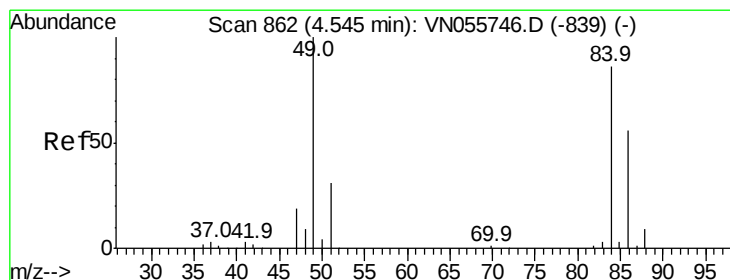
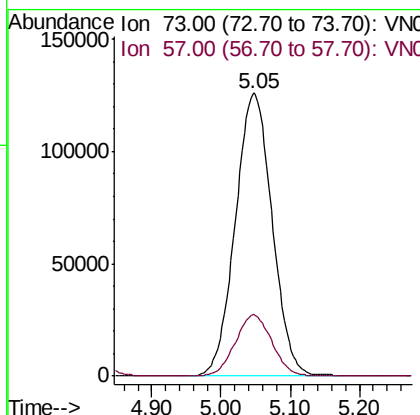
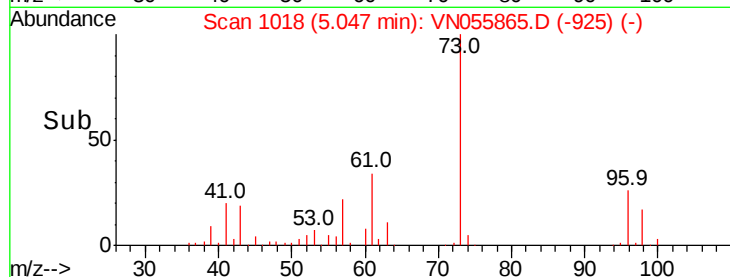
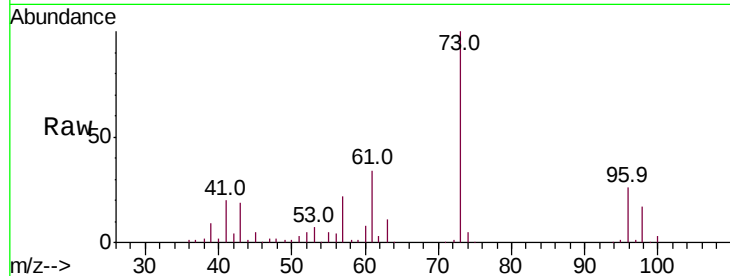
#19
Methyl tert-butyl Ether
Concen: 47.246 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 465552
Ion Ratio Lower Upper
73 100
57 21.8 17.8 26.8

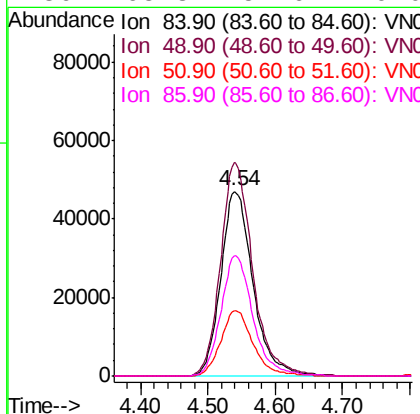
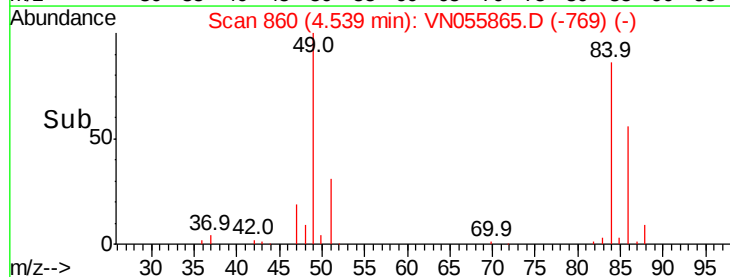
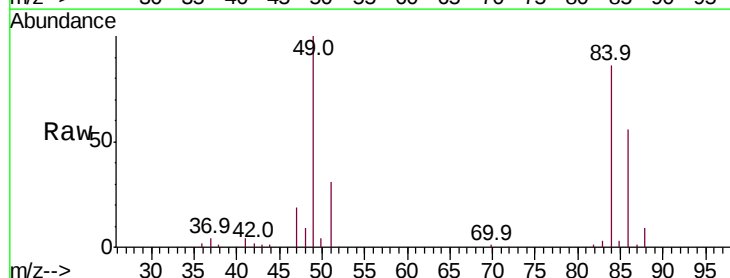
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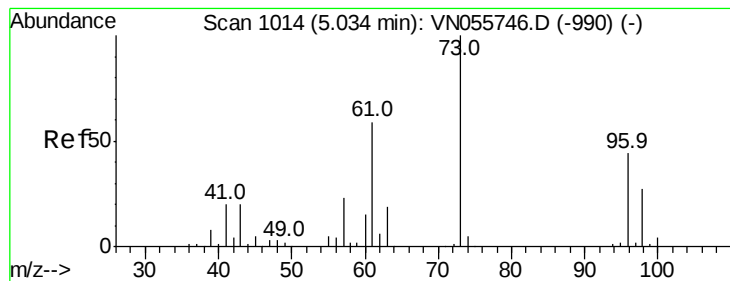
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#20
Methylene Chloride
Concen: 45.926 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Tgt Ion: 84 Resp: 156855
Ion Ratio Lower Upper
84 100
49 115.9 93.5 140.3
51 35.5 28.6 43.0
86 65.3 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 46.138 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 146447

Ion Ratio Lower Upper

96 100

61 134.9 107.8 161.8

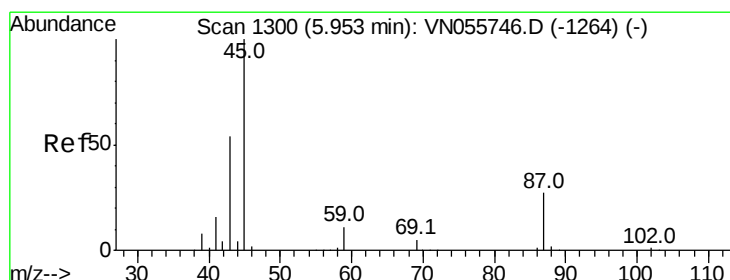
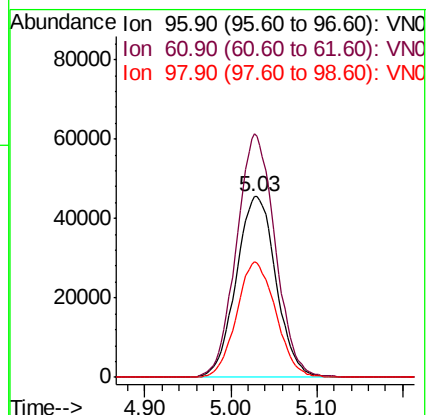
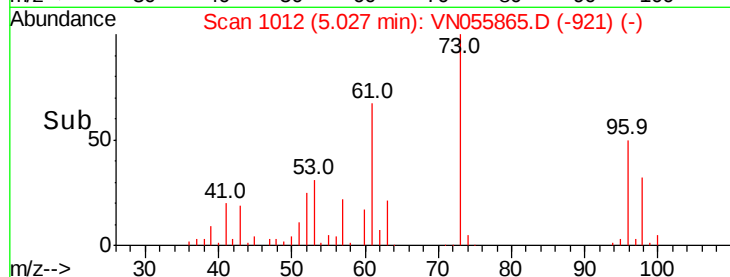
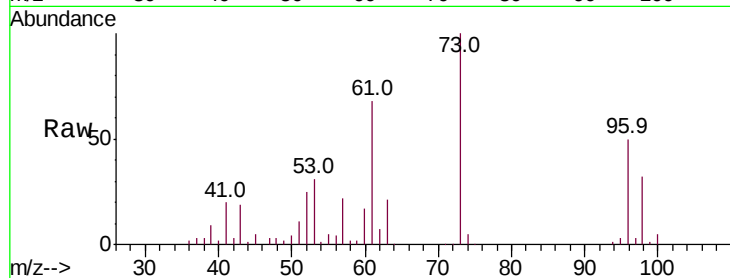
98 64.1 49.8 74.8

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#22

Diisopropyl ether

Concen: 47.181 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Tgt Ion: 45 Resp: 464786

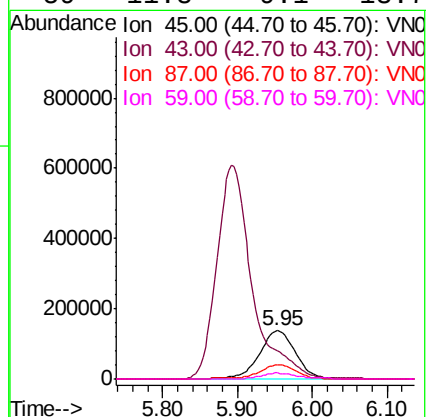
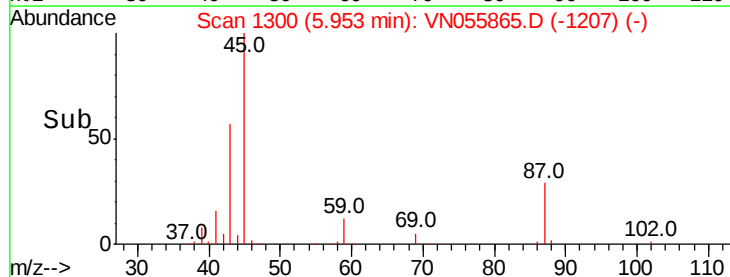
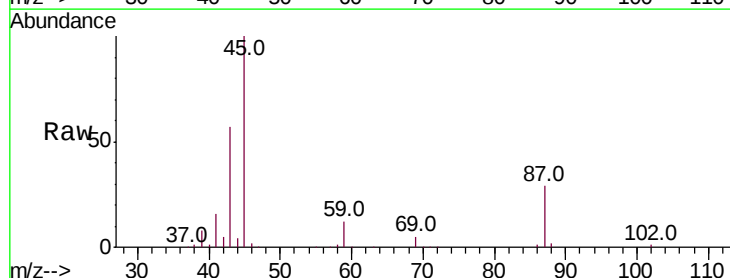
Ion Ratio Lower Upper

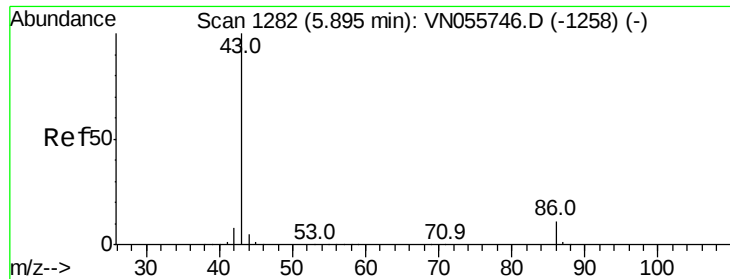
45 100

43 55.5 45.0 67.6

87 28.9 22.2 33.4

59 11.8 9.1 13.7





#23

Vinyl Acetate

Concen: 236.642 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1998725

Ion Ratio Lower Upper

43 100

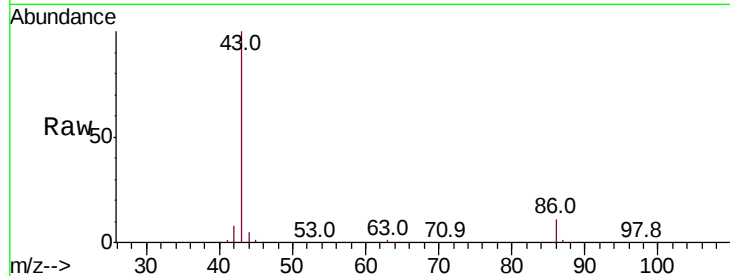
86 10.5 8.6 13.0

Manual Integrations

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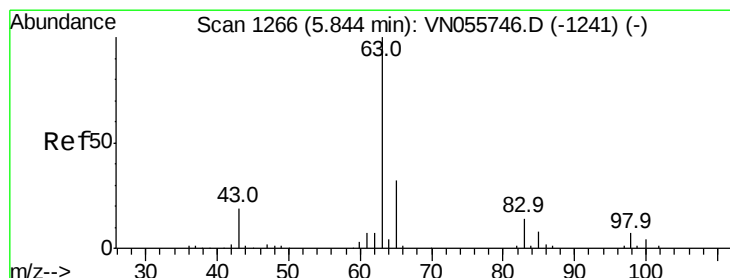
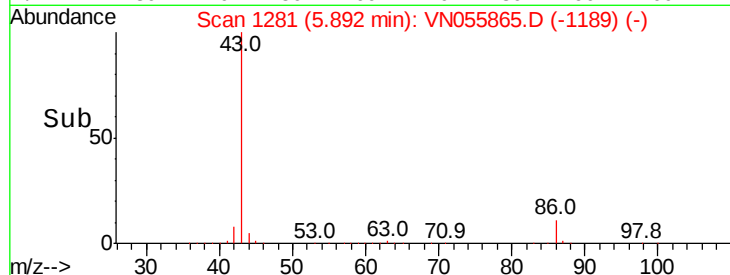
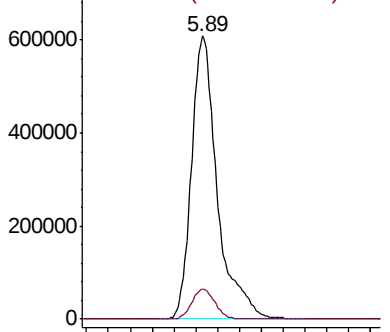
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 46.470 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

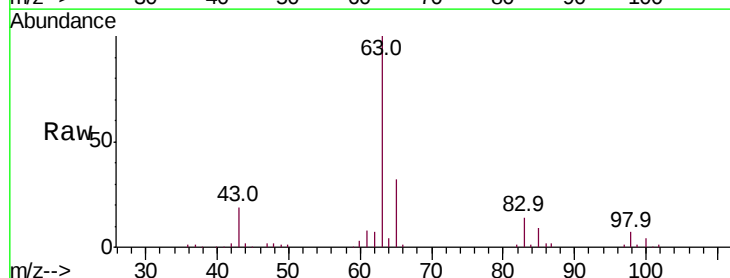
Tgt Ion: 63 Resp: 266534

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

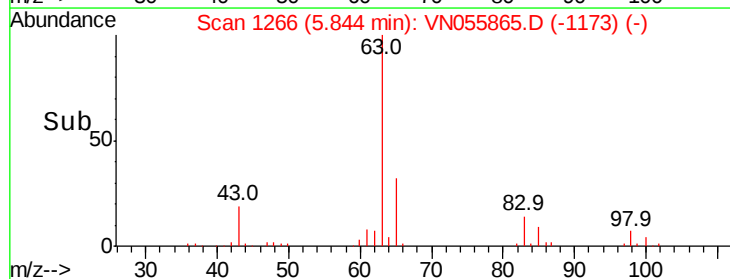
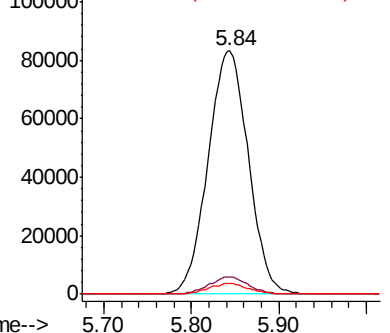
100 4.3 2.2 6.6

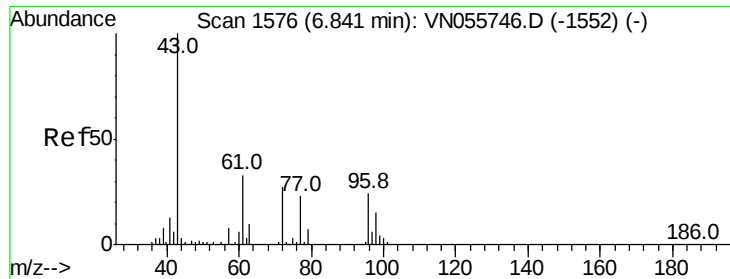


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





#25

2-Butanone

Concen: 245.056 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Tot Ion: 43 Resp: 539731

Ion Ratio Lower Upper

43 100

72 28.0 21.9 32.9

Instrument :

MSVOA_N

ClientSampleId :

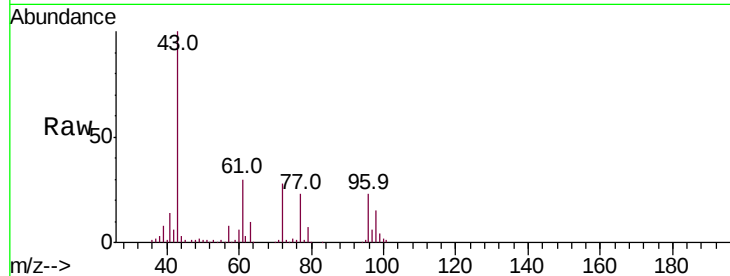
VSTDCCC050

Manual Integrations

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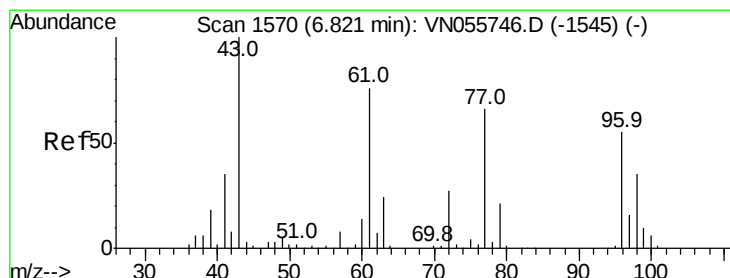
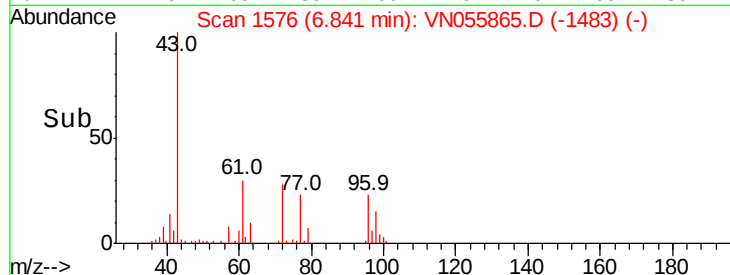
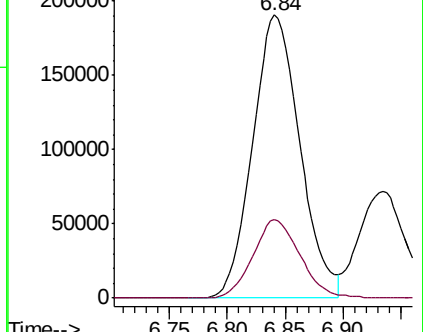
MMDadoda

5/30/2019 9:34:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 45.654 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055865.D

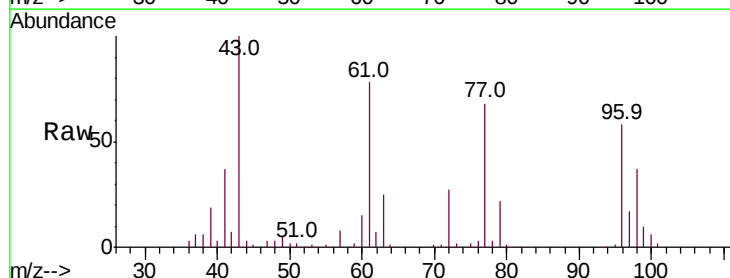
Acq: 29 May 2019 9:49

Tgt Ion: 77 Resp: 226624

Ion Ratio Lower Upper

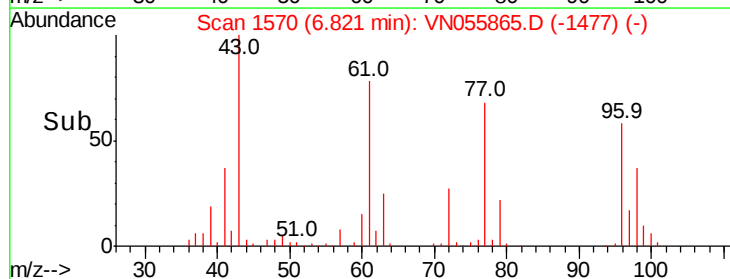
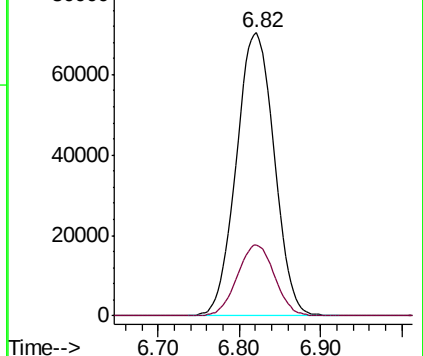
77 100

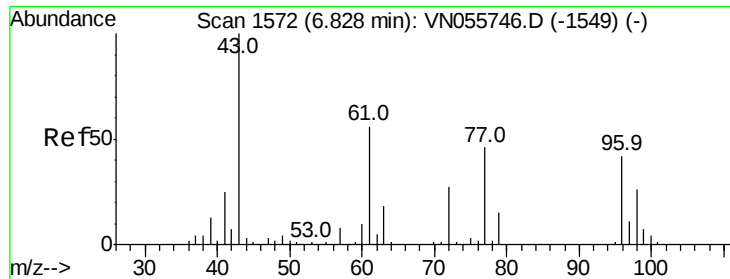
97 24.6 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 47.403 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

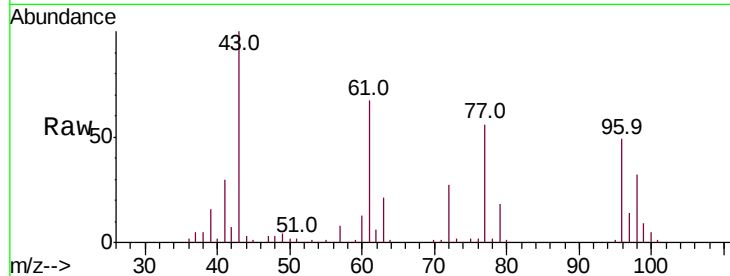
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	175540
Ion Ratio	Lower	Upper	
96	100		
61	137.0	0.0	275.8
98	65.4	0.0	128.4

Manual Integrations
APPROVED

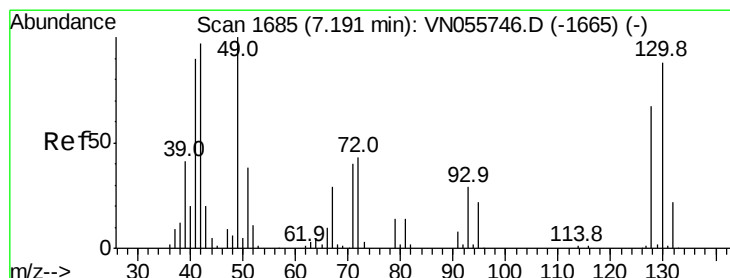
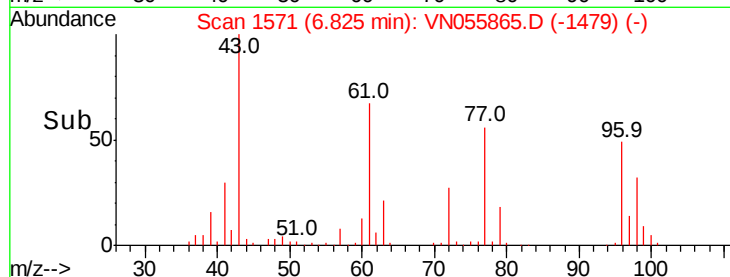
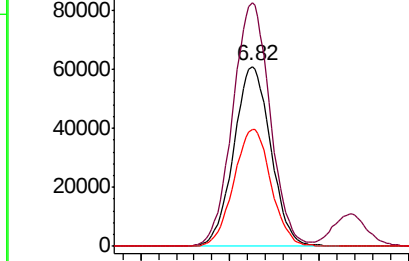
MMDadoda
5/30/2019 9:34:56 AM



Abundance Ion 95.90 (95.60 to 96.60): VN055746.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-1549) (-)



#28

Bromochloromethane

Concen: 48.423 ug/l

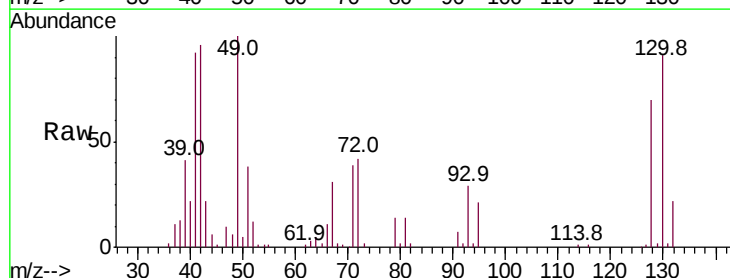
RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

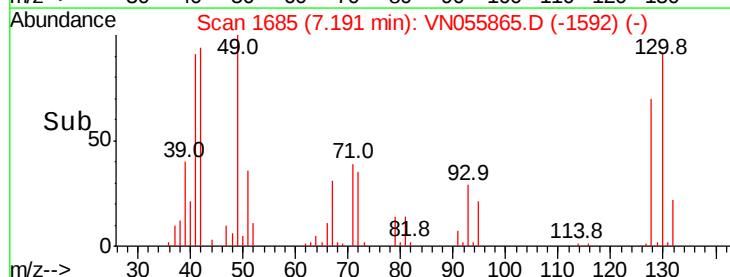
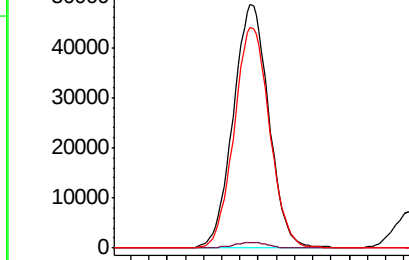
Tgt Ion:	49	Resp:	132234
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.4
130	90.0	71.2	106.8

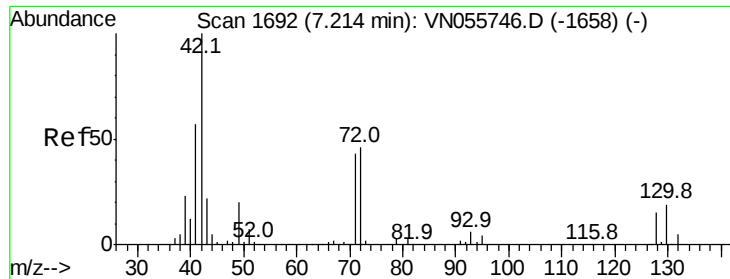


Abundance Ion 48.90 (48.60 to 49.60): VN055746.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN055746.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN055746.D (-1665) (-)





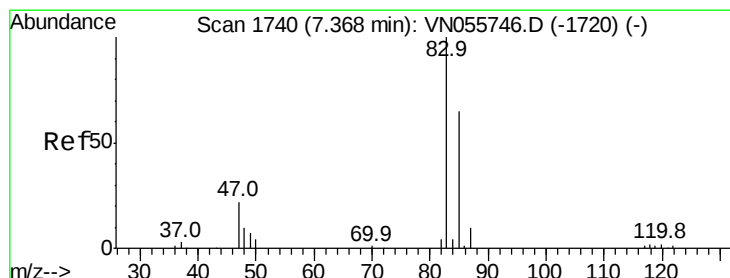
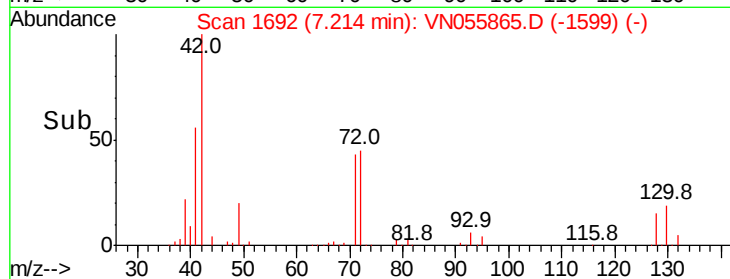
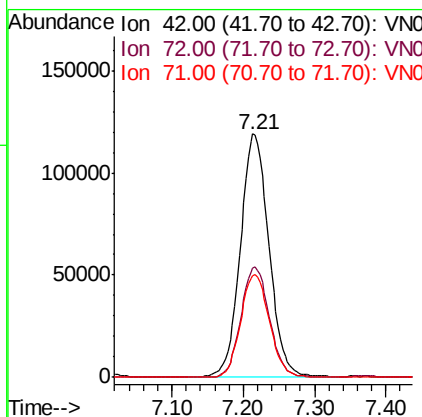
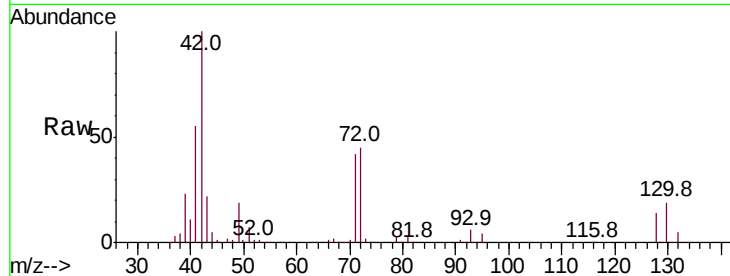
#29
Tetrahydrofuran
Concen: 238.971 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.9	53.9
71	42.4	34.0	51.0

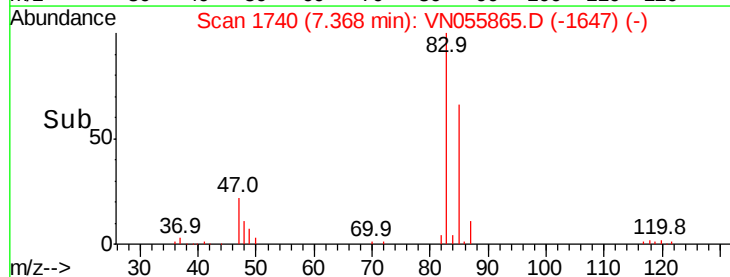
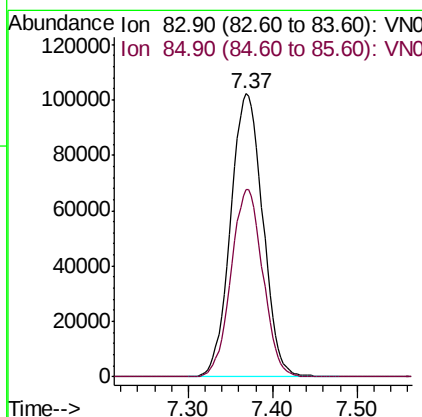
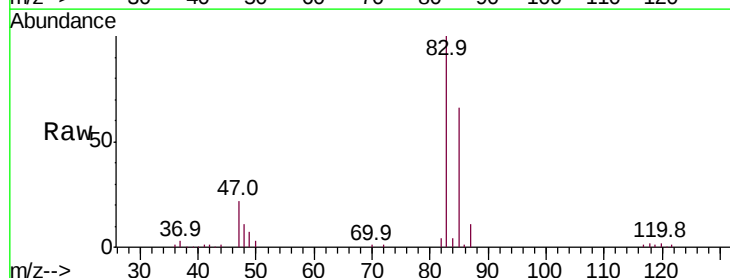
Manual Integrations
APPROVED

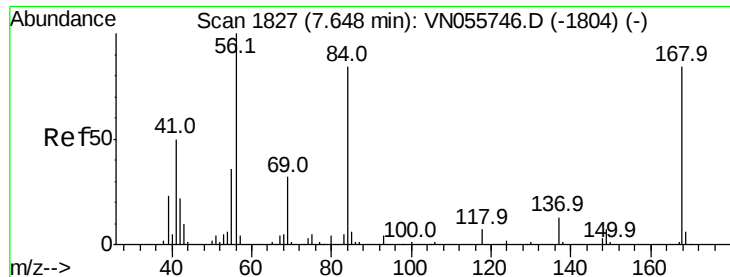
MMDadoda
5/30/2019 9:34:56 AM



#30
Chloroform
Concen: 47.440 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.8	77.8





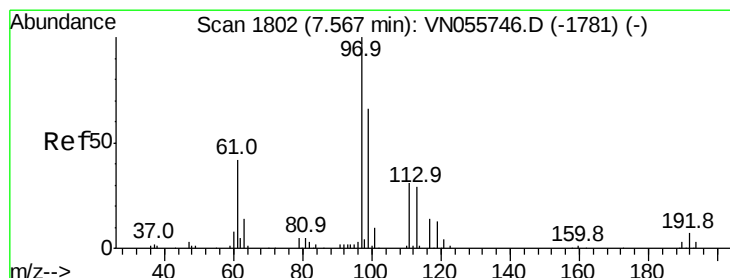
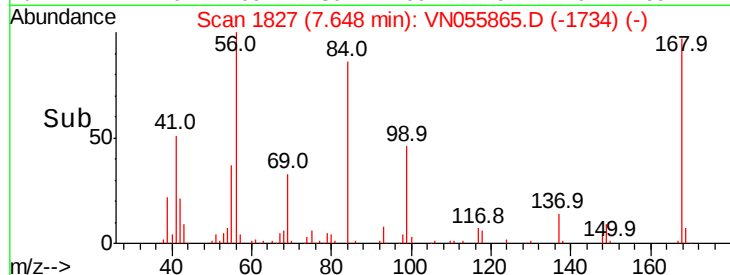
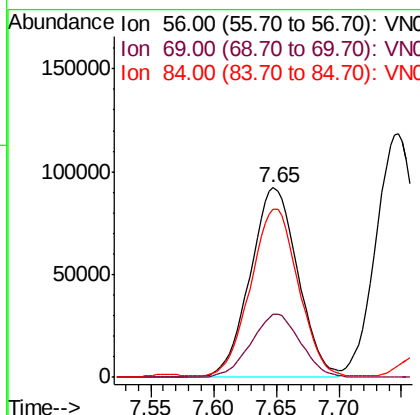
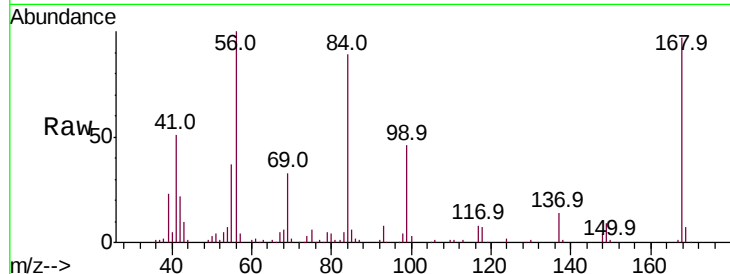
#31
Cyclohexane
Concen: 45.371 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.6	38.4
84	87.7	67.4	101.0

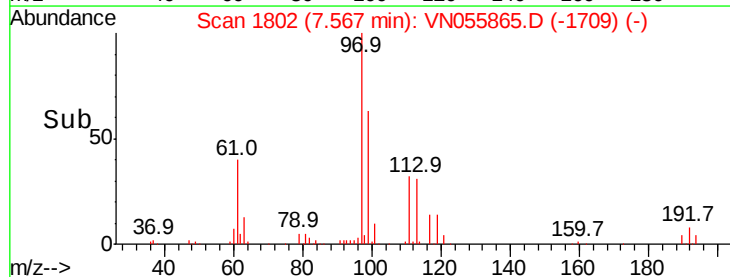
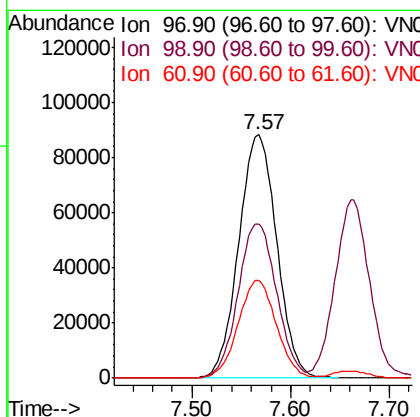
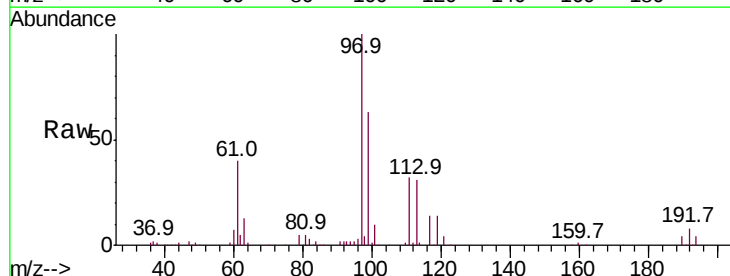
Manual Integrations
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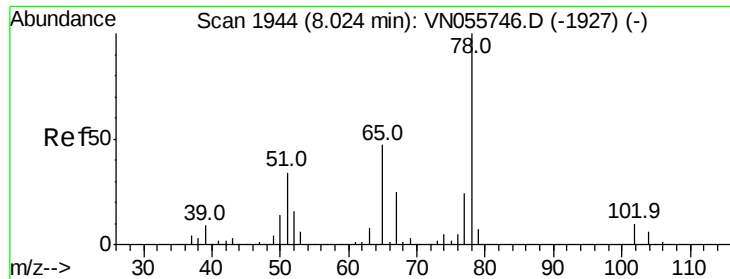
MMDadoda
5/30/2019 9:34:56 AM



#32
1,1,1-Trichloroethane
Concen: 46.332 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.0	78.0
61	40.2	32.9	49.3





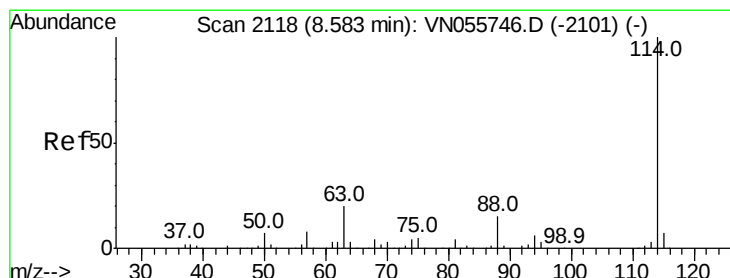
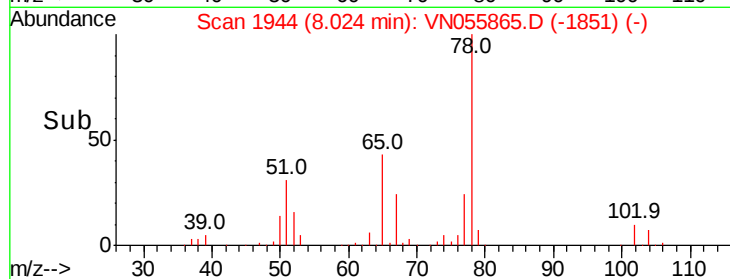
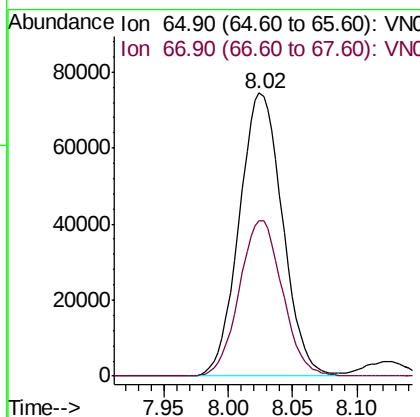
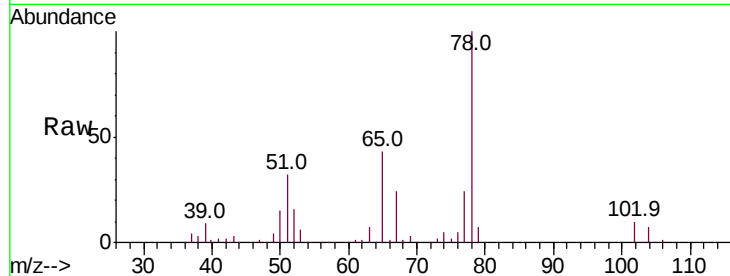
#33
 1,2-Dichloroethane-d4
 Concen: 48.572 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055865.D
 Acq: 29 May 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	174258		
67	54.8	0.0	109.2	

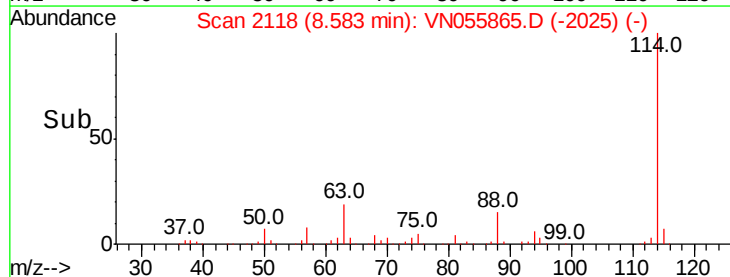
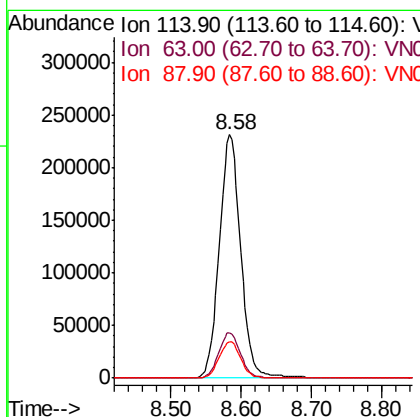
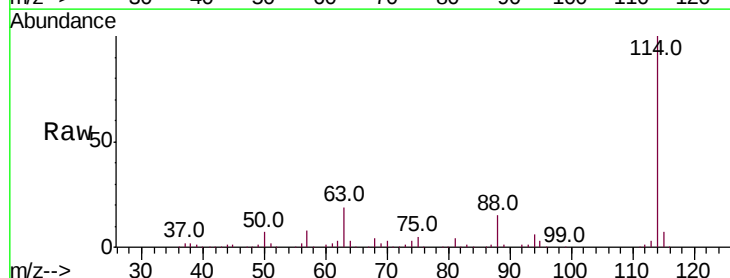
Manual Integrations
 APPROVED

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 5/30/2019 9:34:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055865.D
 Acq: 29 May 2019 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	489771		
63	18.7	0.0	39.2	
88	15.1	0.0	31.0	





#35

Dibromofluoromethane

Concen: 50.299 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

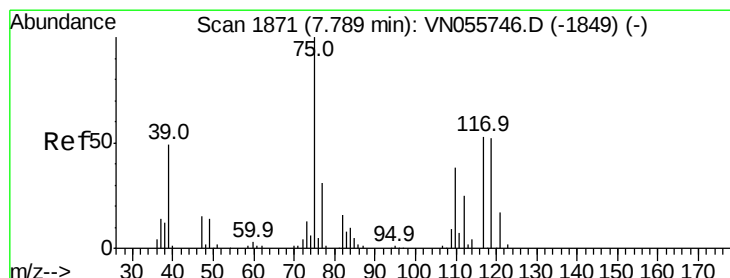
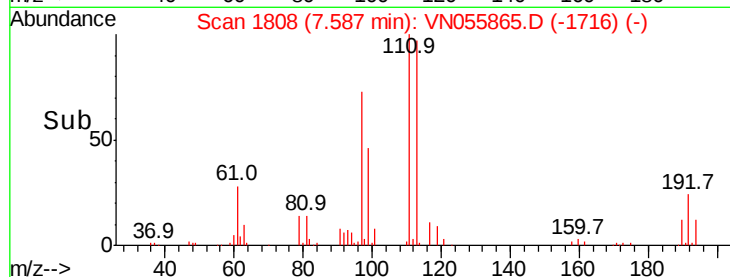
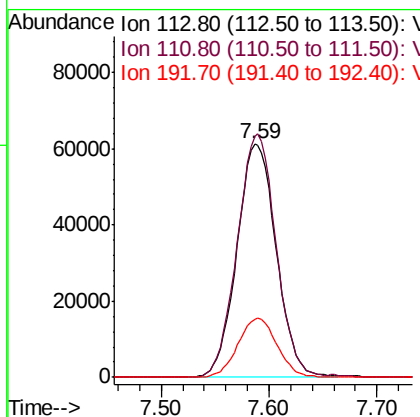
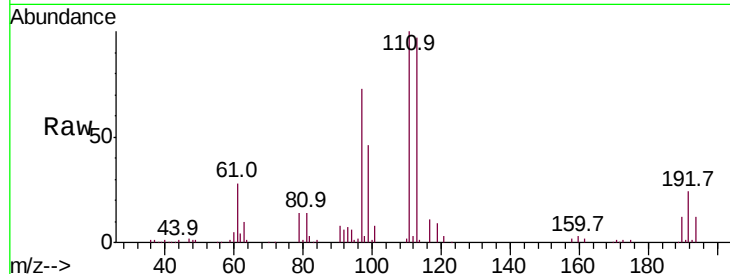
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	155750
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.9	122.9
192	25.1	19.5	29.3

Manual Integrations
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MMDadoda
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#36

1,1-Dichloropropene

Concen: 47.008 ug/l

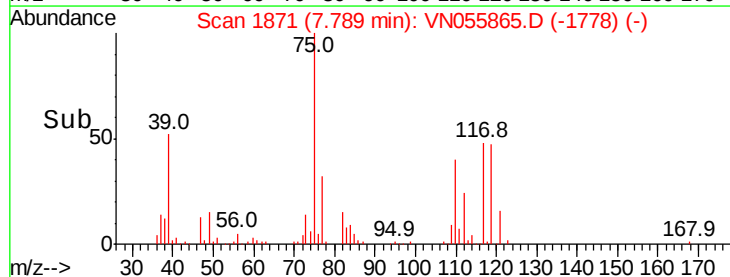
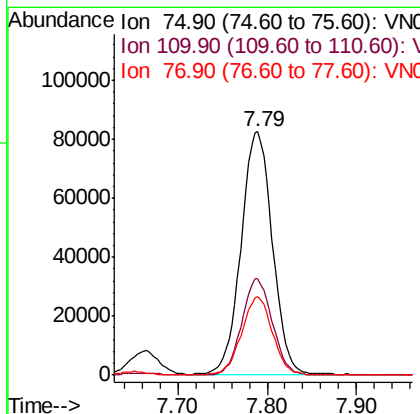
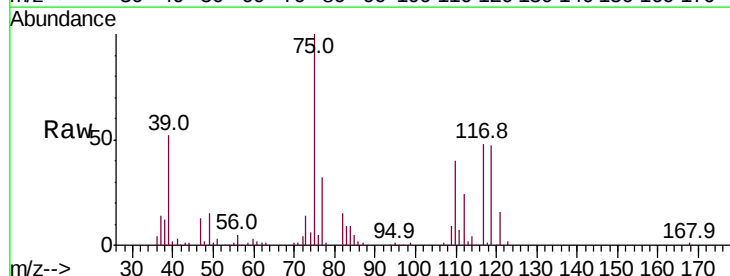
RT: 7.79 min Scan# 1871

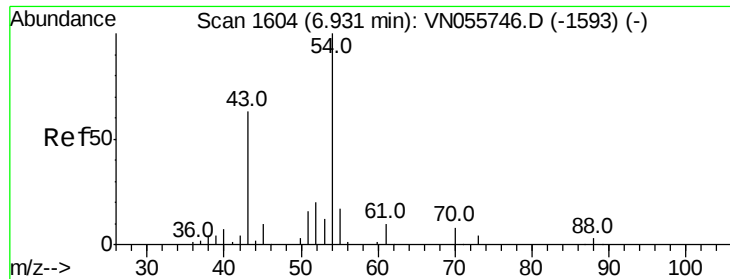
Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Tgt Ion:	75	Resp:	200638
Ion	Ratio	Lower	Upper
75	100		
110	38.6	19.0	57.0
77	32.0	25.1	37.7





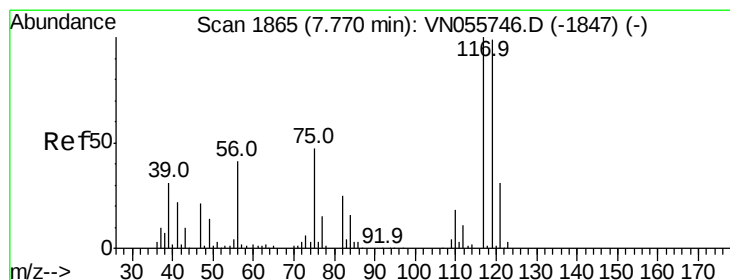
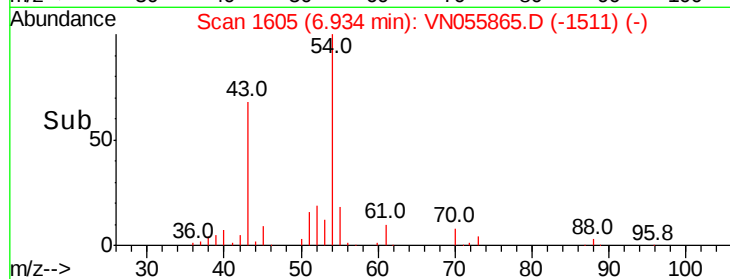
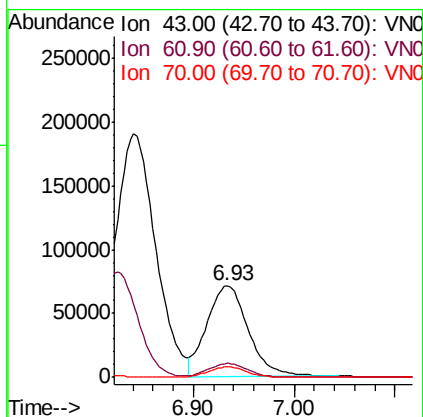
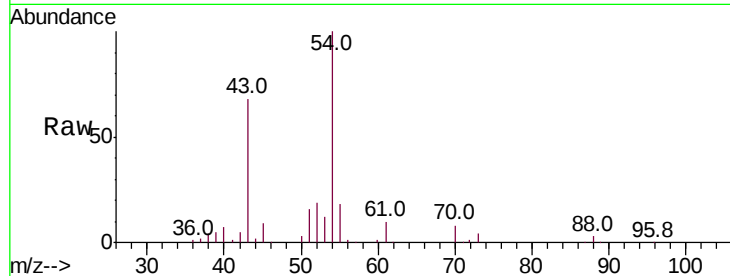
#37
Ethyl Acetate
Concen: 49.523 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.2	18.2
70	10.8	8.9	13.3

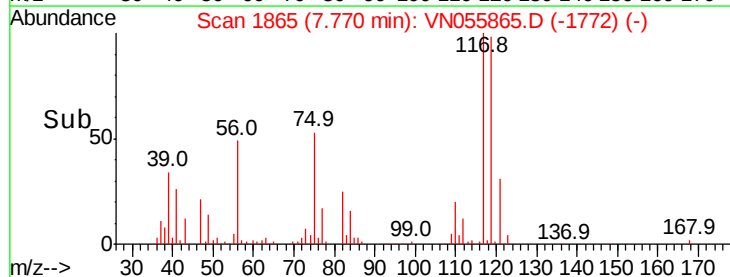
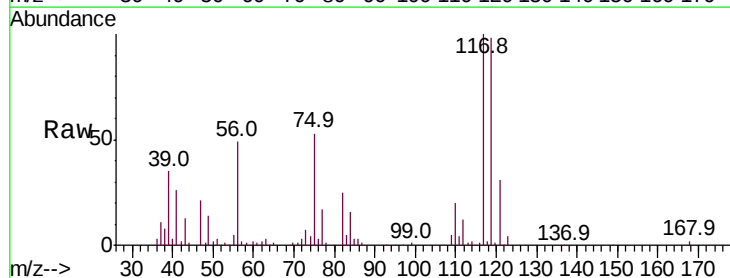
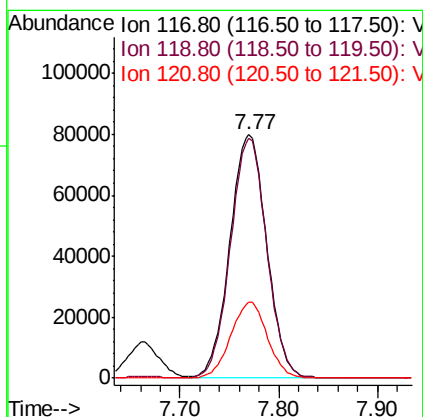
Manual Integrations
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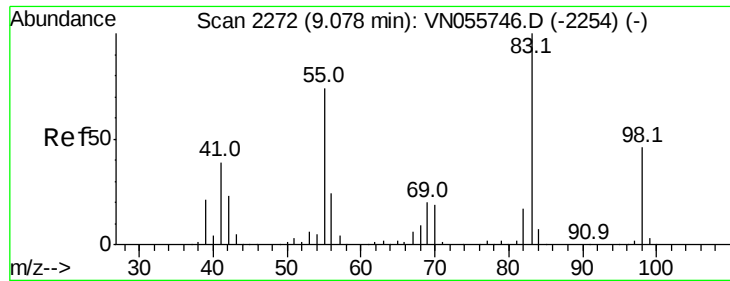
MMDadoda
5/30/2019 9:34:56 AM



#38
Carbon Tetrachloride
Concen: 46.446 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	79.0	118.6
121	31.4	24.7	37.1





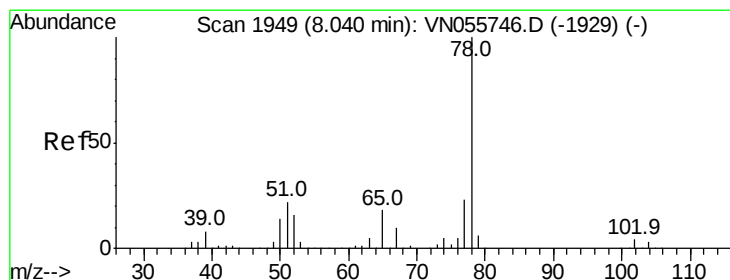
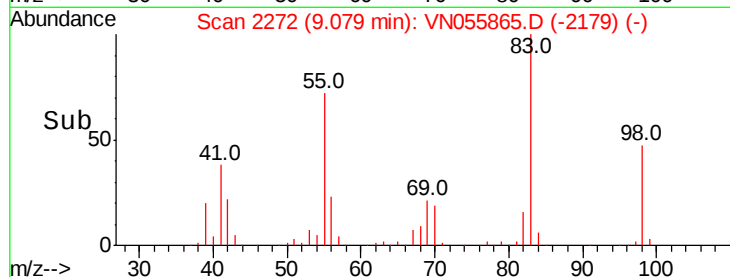
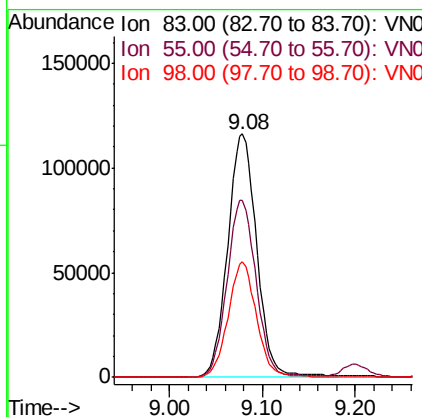
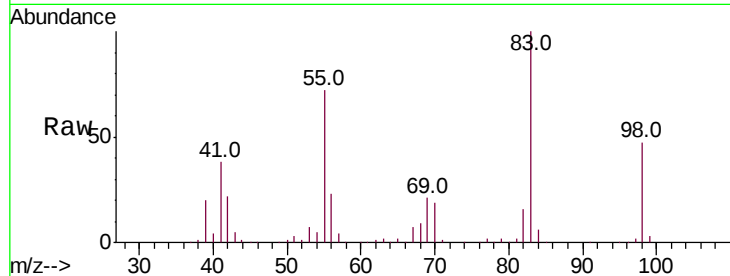
#39
Methvlcvclohexane
Concen: 47.924 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.5	59.3	88.9
98	47.3	36.6	54.8

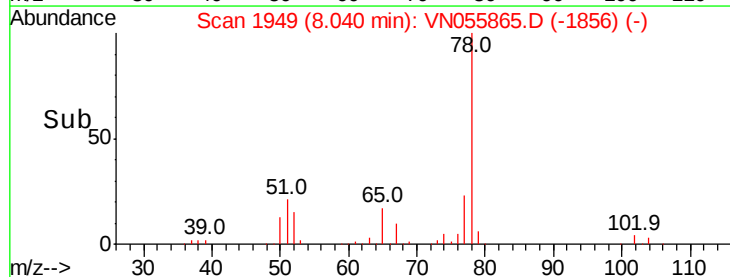
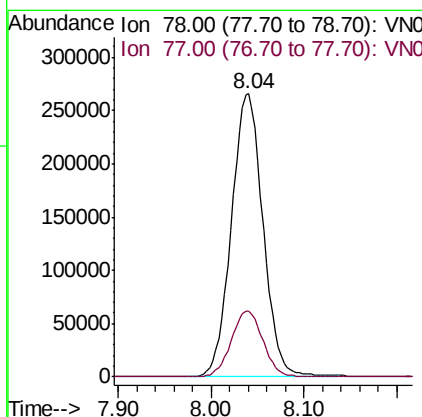
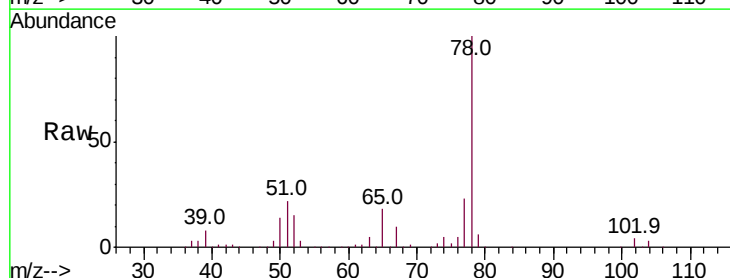
Manual Integrations
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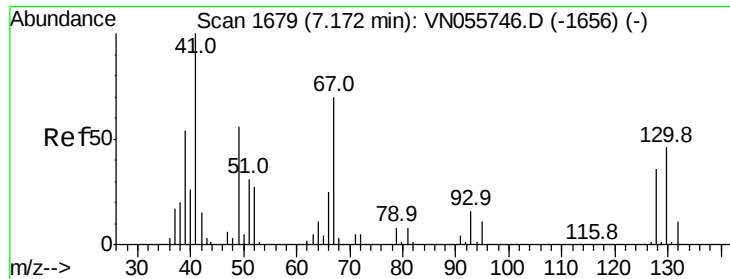
MMDadoda
5/30/2019 9:34:56 AM



#40
Benzene
Concen: 48.819 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





#41

Methacrylonitrile

Concen: 48.160 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

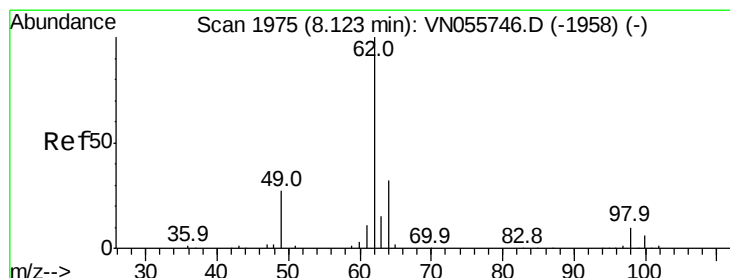
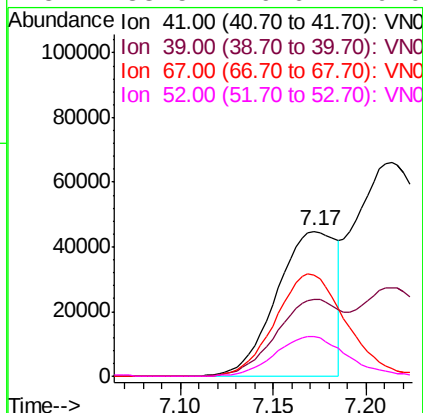
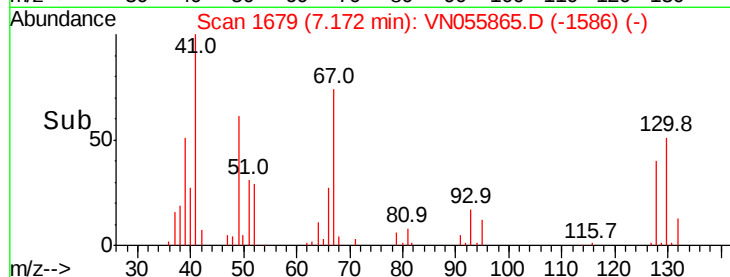
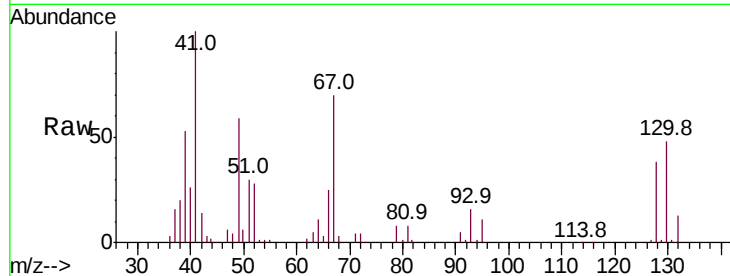
VSTDCCC050

Tot Ion: 41 Resp: 100369
Ion Ratio Lower Upper

41	100		
39	56.4	45.6	68.4
67	84.6	67.7	101.5
52	33.5	26.6	40.0

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#42

1,2-Dichloroethane

Concen: 47.907 ug/l

RT: 8.12 min Scan# 1975

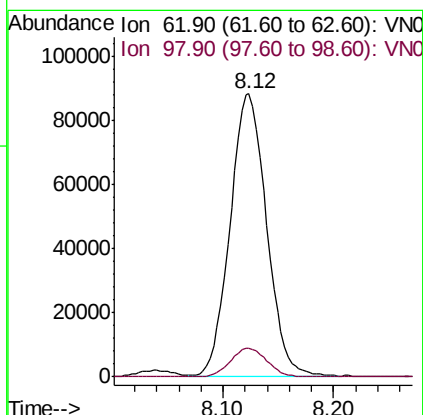
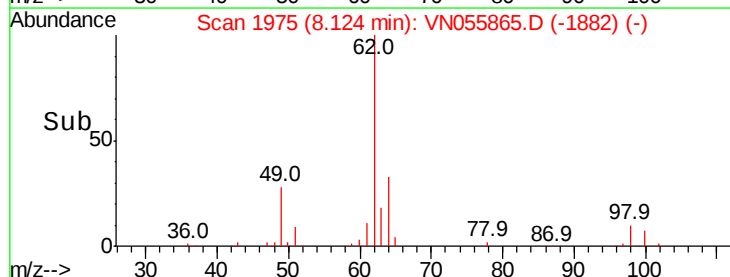
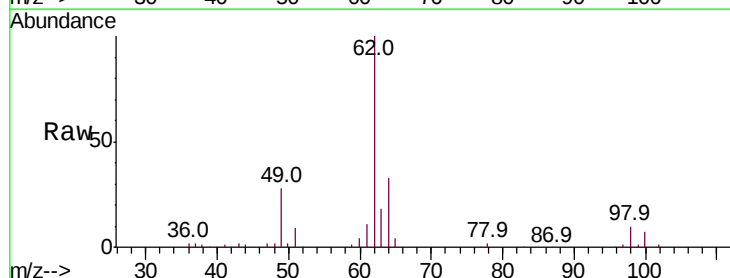
Delta R.T. 0.00 min

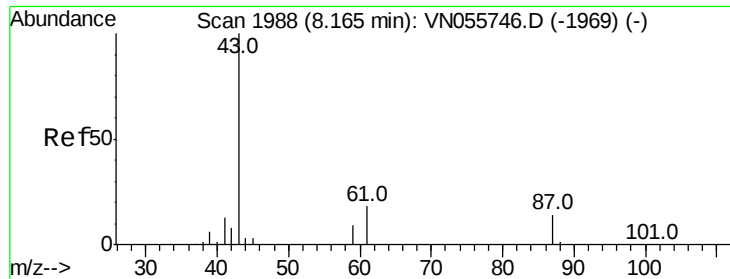
Lab File: VN055865.D

Acq: 29 May 2019 9:49

Tgt Ion: 62 Resp: 201366
Ion Ratio Lower Upper

62	100		
98	10.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 47.744 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

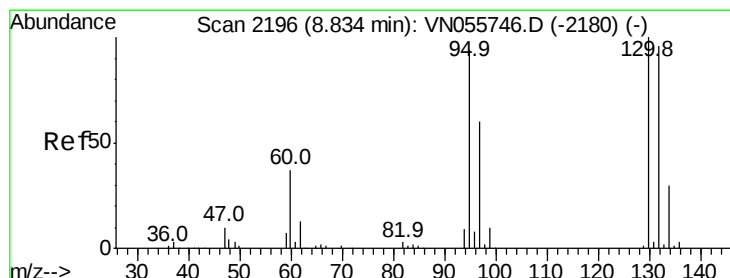
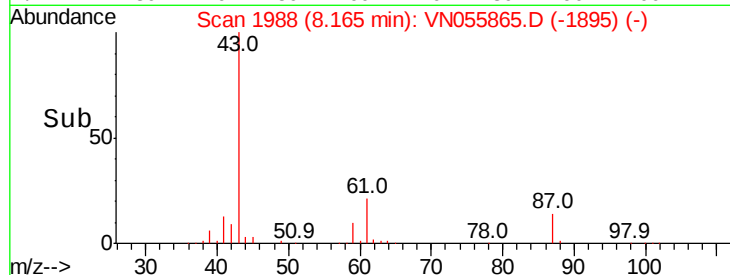
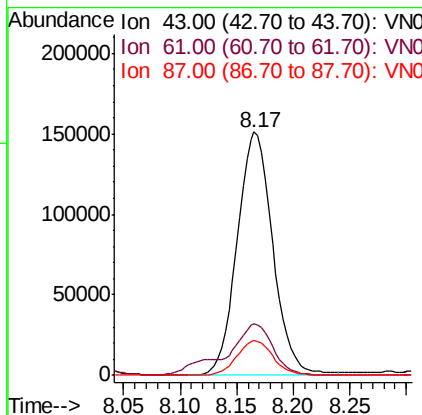
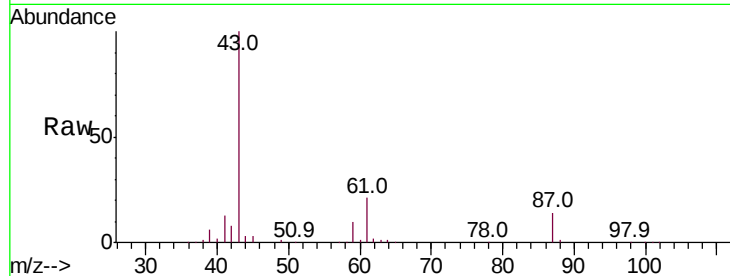
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	330914
Ion Ratio	Lower	Upper	
43	100		
61	21.2	22.2	33.4#
87	14.4	11.4	17.2

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#44

Trichloroethene

Concen: 50.475 ug/l

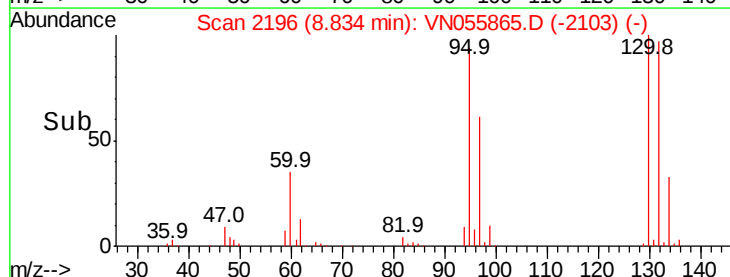
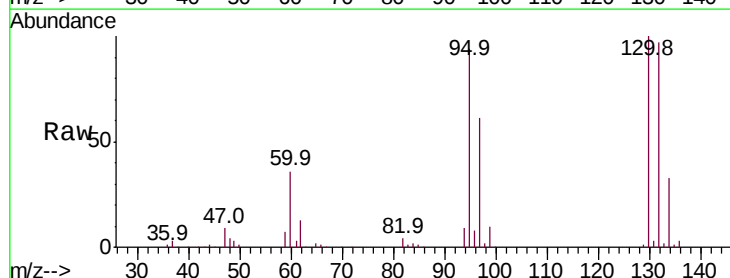
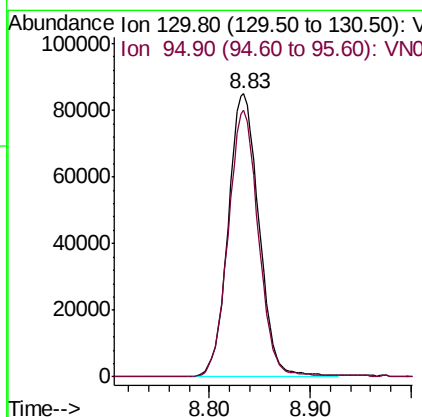
RT: 8.83 min Scan# 2196

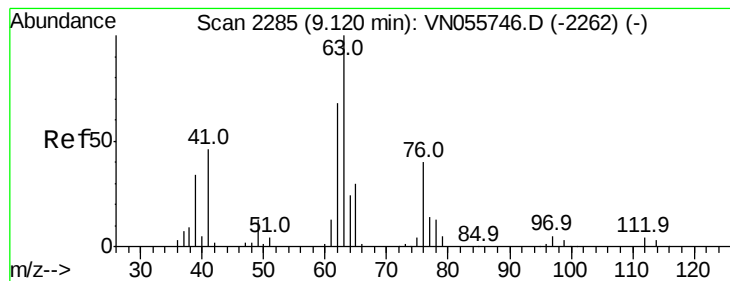
Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Tgt Ion:	130	Resp:	181007
Ion Ratio	Lower	Upper	
130	100		
95	94.0	0.0	188.0





#45

1,2-Dichloropropane

Concen: 49.125 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 164639

Ion Ratio Lower Upper

63 100

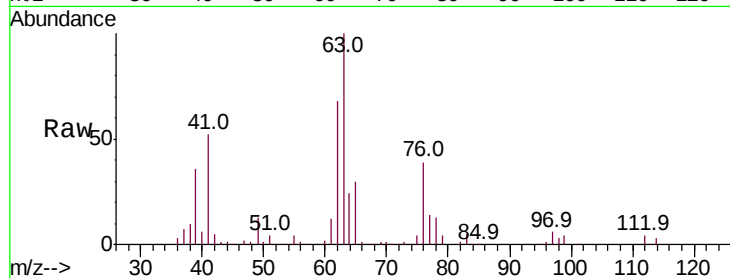
65 30.4 24.6 36.8

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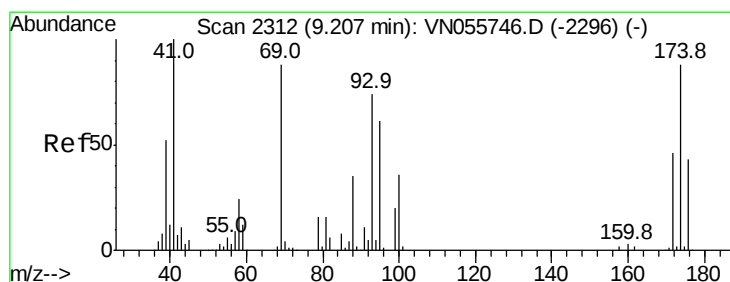
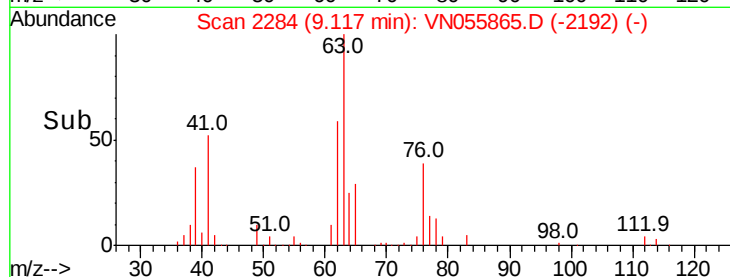
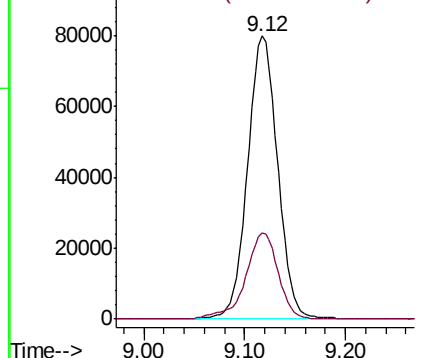
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 49.681 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

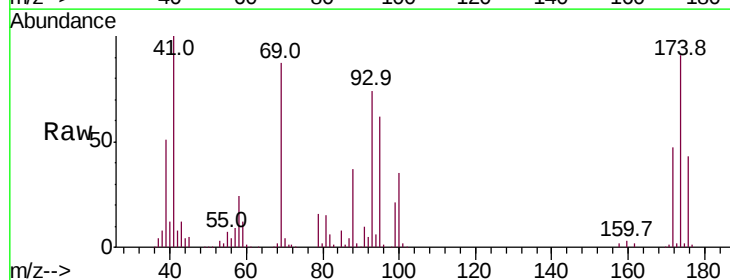
Tgt Ion: 93 Resp: 109195

Ion Ratio Lower Upper

93 100

95 83.7 66.7 100.1

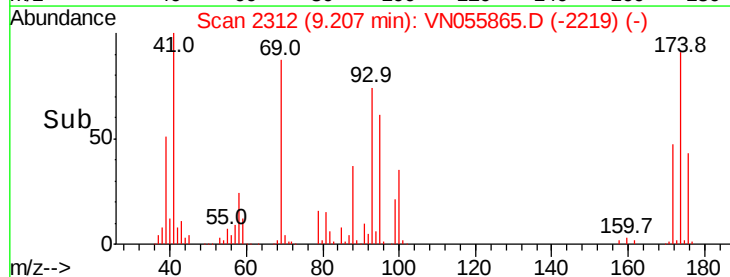
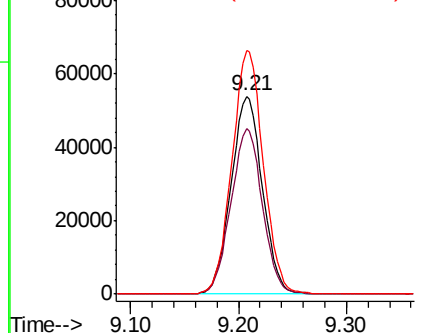
174 123.4 96.4 144.6



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





#47

Bromodichloromethane

Concen: 47.949 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

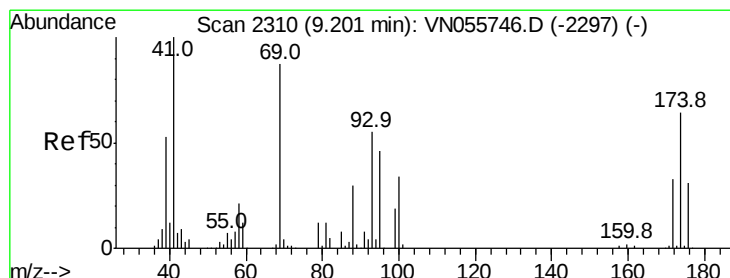
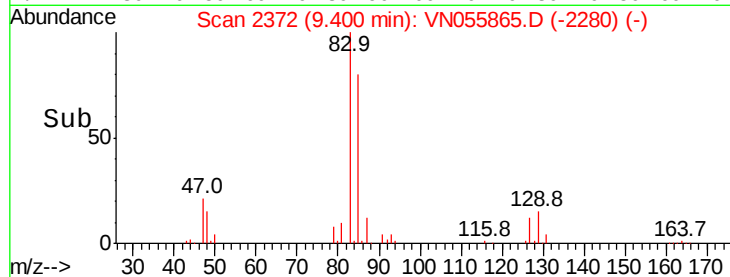
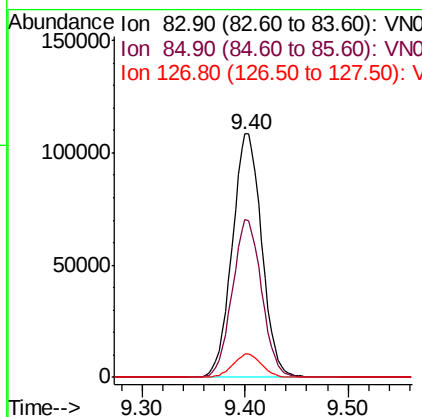
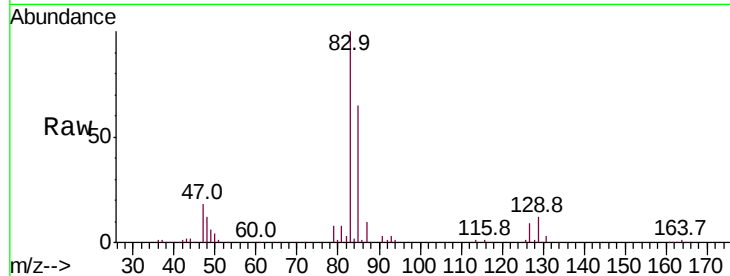
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	216103
Ion Ratio	Lower	Upper	
83	100		
85	64.8	52.2	78.2
127	9.4	7.4	11.0

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#48

Methyl methacrylate

Concen: 51.041 ug/l

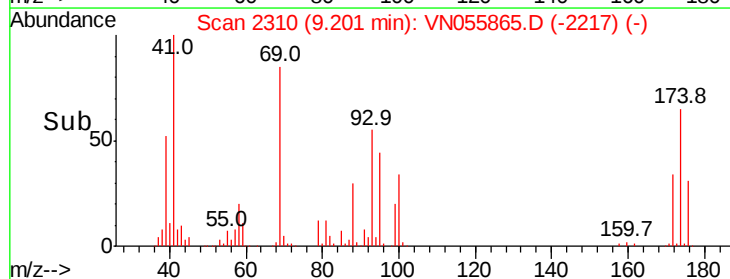
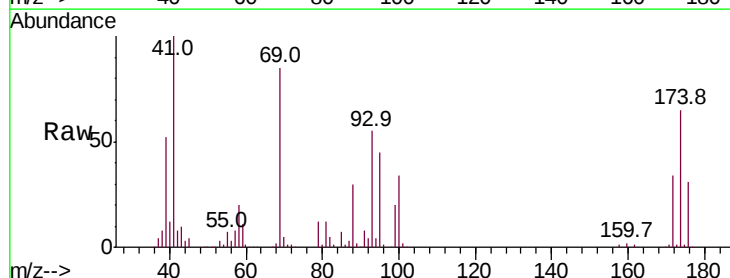
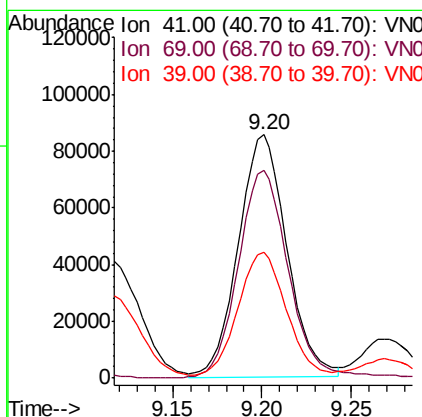
RT: 9.20 min Scan# 2310

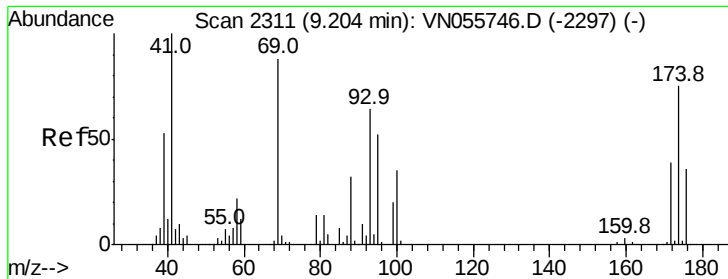
Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Tgt Ion:	41	Resp:	163043
Ion Ratio	Lower	Upper	
41	100		
69	88.0	71.0	106.6
39	52.0	44.2	66.2





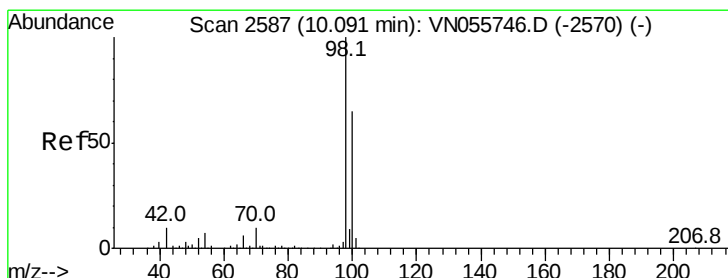
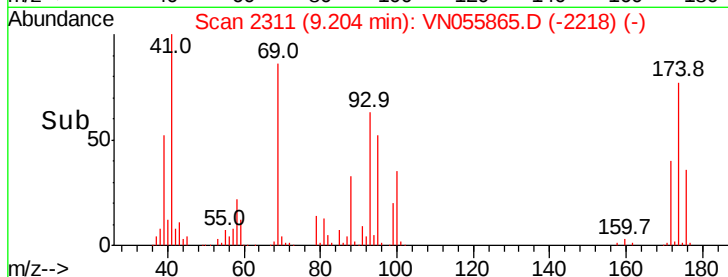
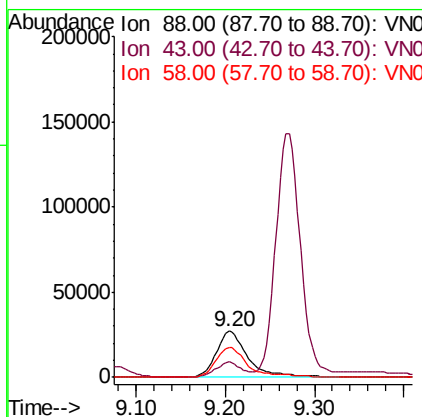
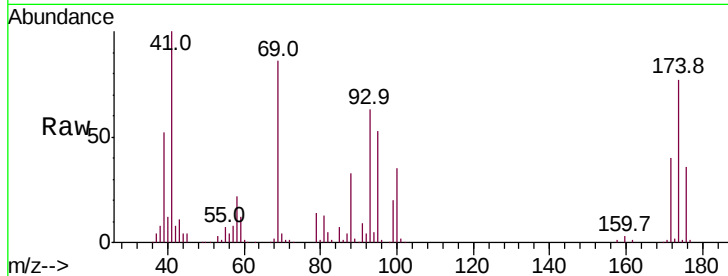
#49
 1,4-Dioxane
 Concen: 1003.452 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055865.D
 Acq: 29 May 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.3	20.5	30.7
58	62.2	55.8	83.6

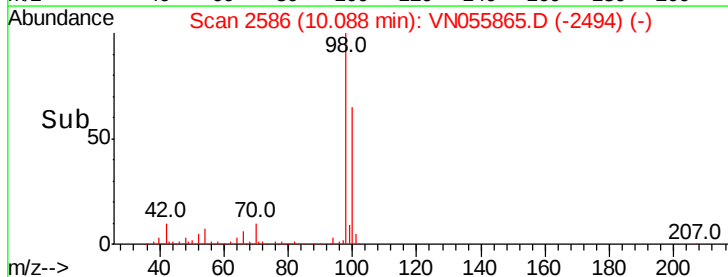
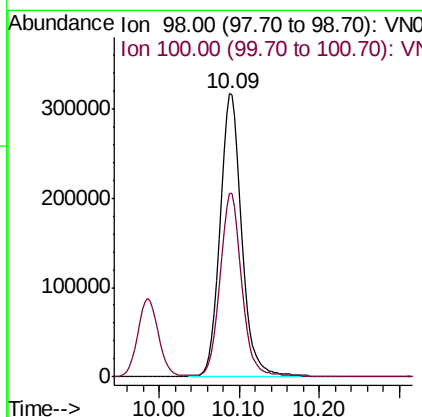
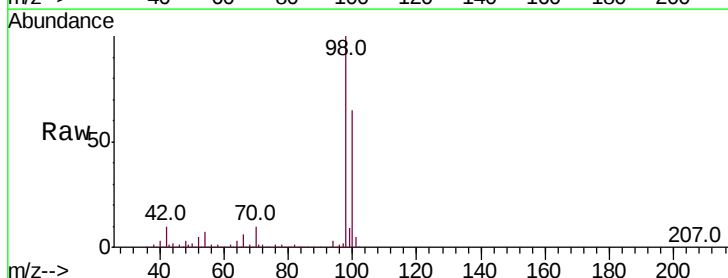
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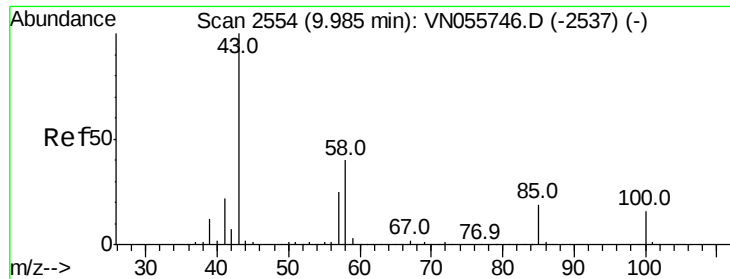
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#50
 Toluene-d8
 Concen: 50.330 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN055865.D
 Acq: 29 May 2019 9:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 246.274 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1008113

Ion Ratio Lower Upper

43 100

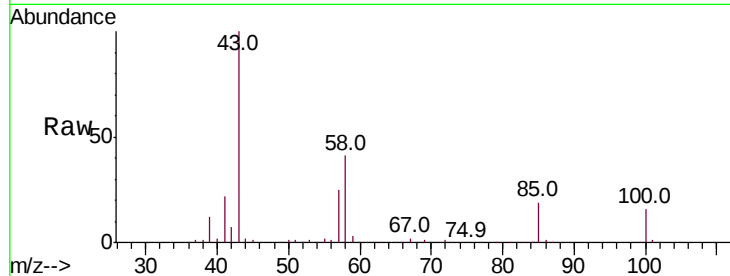
58 40.2 32.1 48.1

Manual Integrations

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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

600000

500000

400000

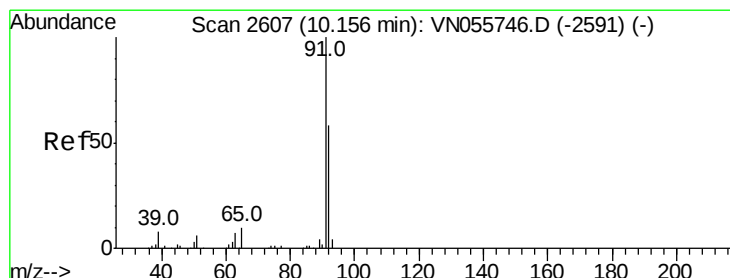
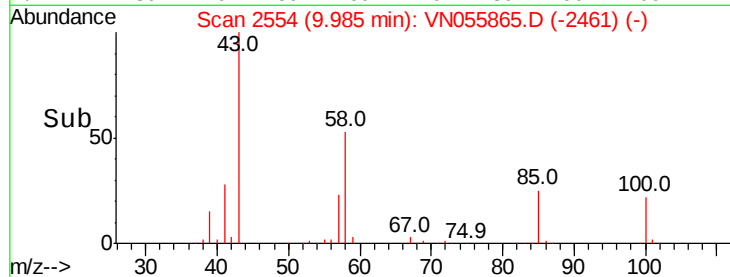
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.747 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055865.D

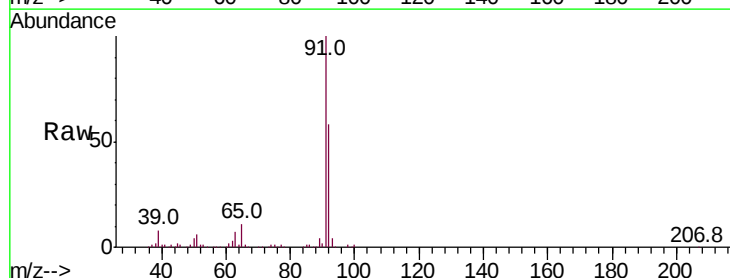
Acq: 29 May 2019 9:49

Tgt Ion: 92 Resp: 402464

Ion Ratio Lower Upper

92 100

91 173.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

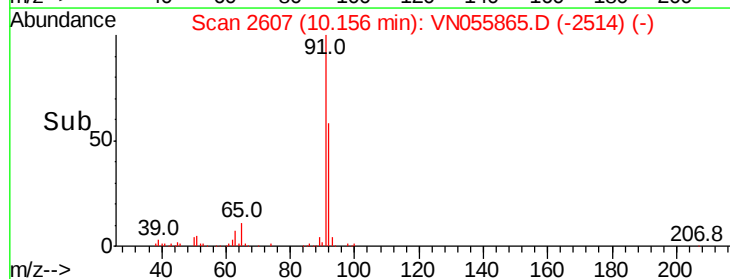
300000

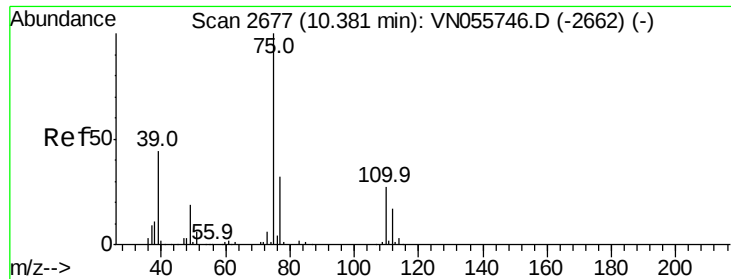
200000

100000

0

Time-->





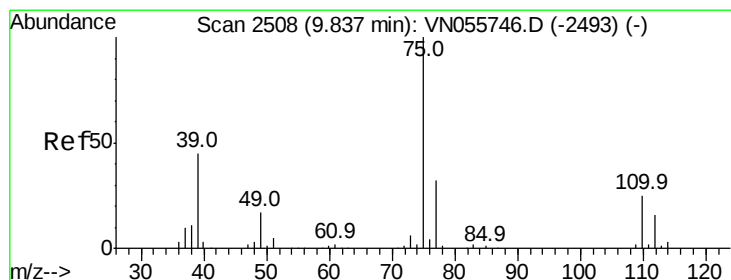
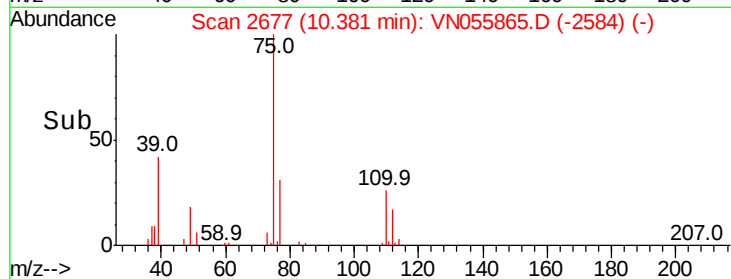
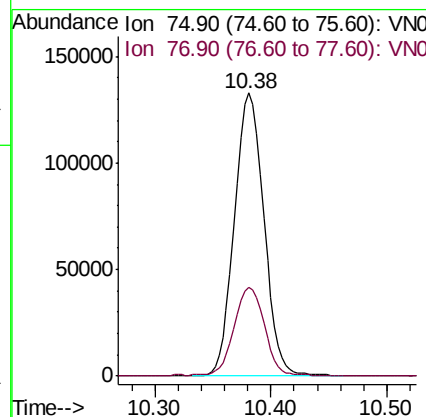
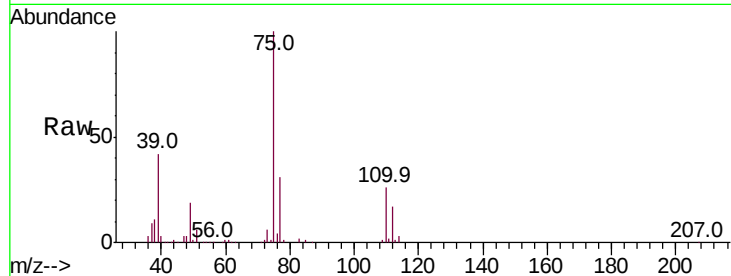
#53
 t-1,3-Dichloropropene
 Concen: 48.635 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055865.D
 Acq: 29 May 2019 9:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.8	38.6

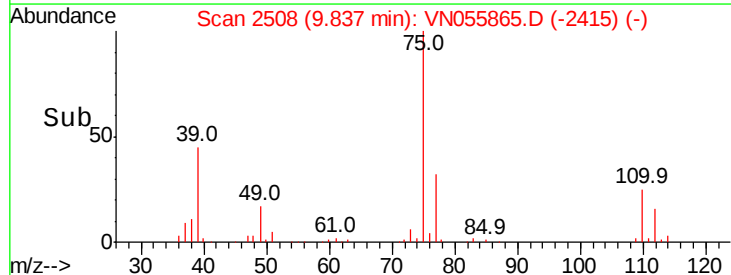
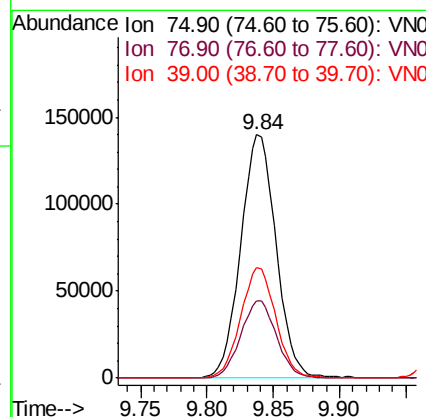
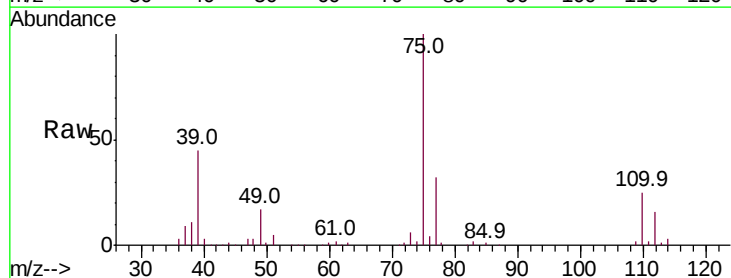
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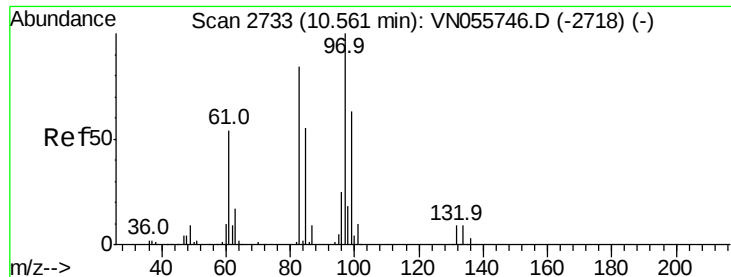
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#54
 cis-1,3-Dichloropropene
 Concen: 48.674 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055865.D
 Acq: 29 May 2019 9:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	45.3	36.3	54.5





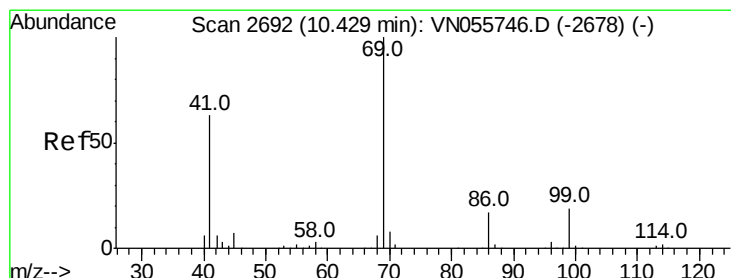
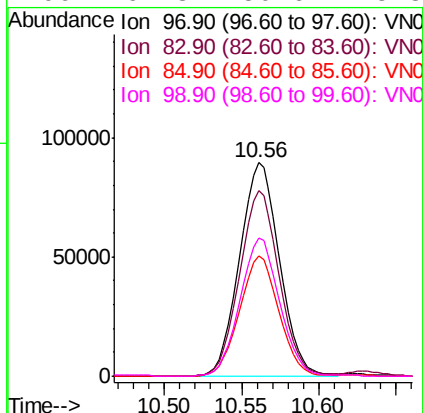
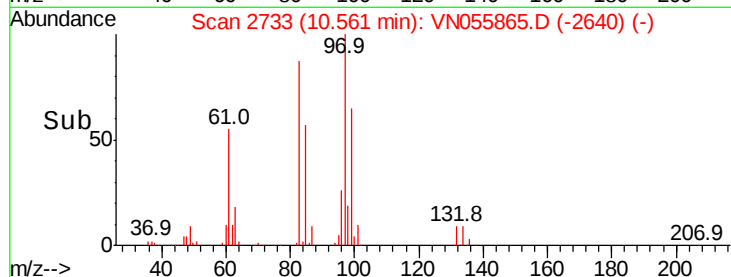
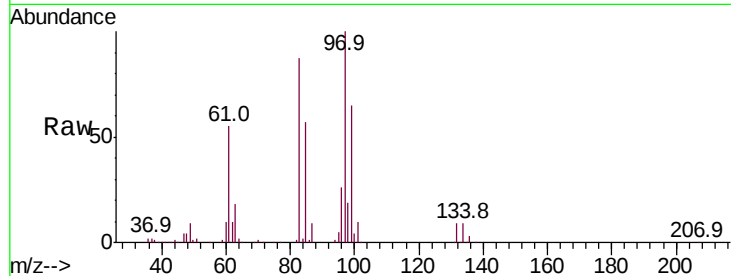
#55
 1,1,2-Trichloroethane
 Concen: 49.673 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055865.D
 Acq: 29 May 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	160989
Ion	Ratio	Lower	Upper
97	100		
83	86.7	67.0	100.6
85	56.6	44.0	66.0
99	64.3	50.6	75.8

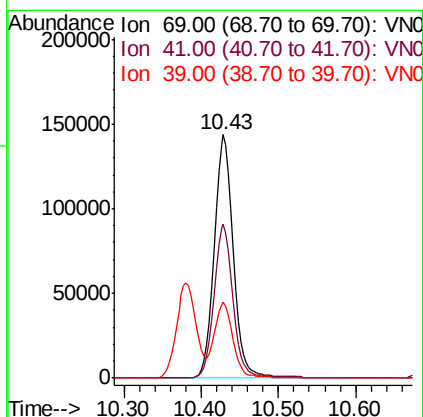
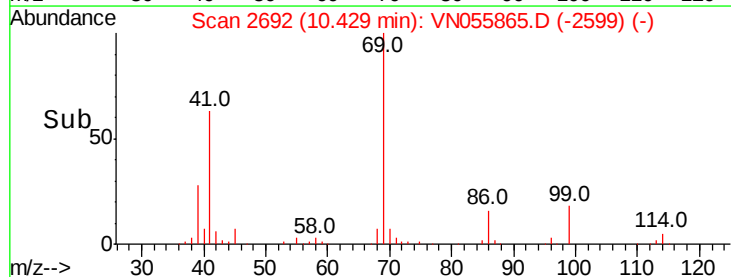
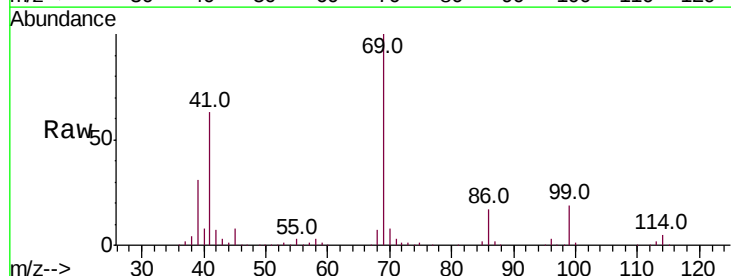
Manual Integrations
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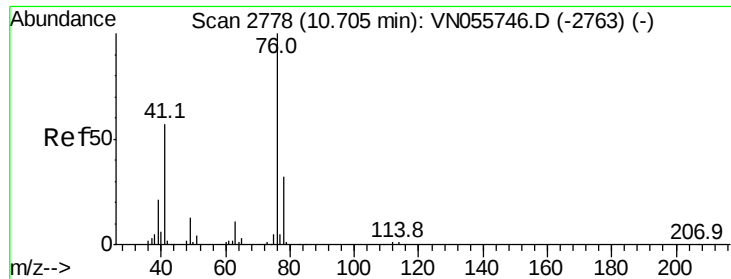
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 5/30/2019 9:34:56 AM



#56
 Ethyl methacrylate
 Concen: 50.416 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055865.D
 Acq: 29 May 2019 9:49

Tgt Ion:	69	Resp:	252530
Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.7	74.5
39	30.3	24.7	37.1





#57

1,3-Dichloropropane

Concen: 49.830 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 262515

Ion Ratio Lower Upper

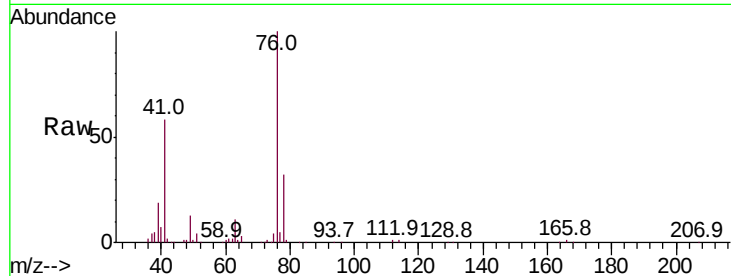
76 100

78 32.3 25.8 38.6

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

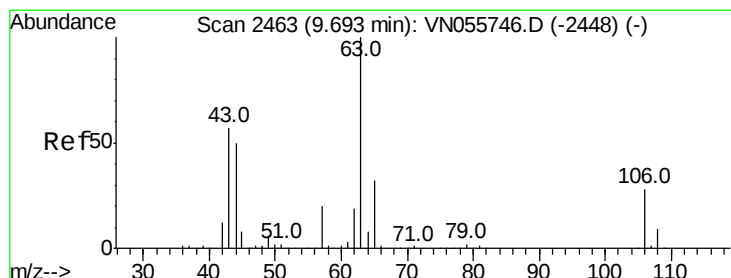
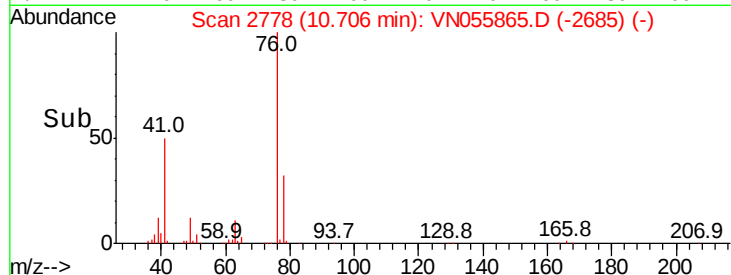
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 241.695 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055865.D

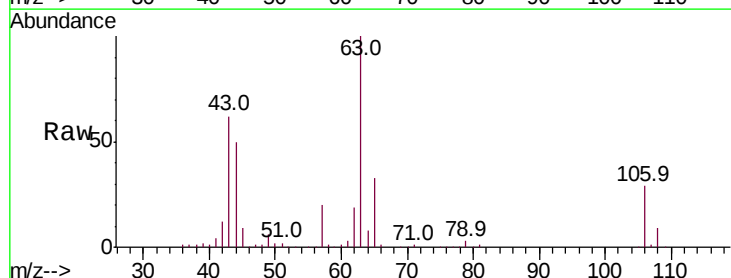
Acq: 29 May 2019 9:49

Tgt Ion: 63 Resp: 462650

Ion Ratio Lower Upper

63 100

106 28.6 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

300000

250000

200000

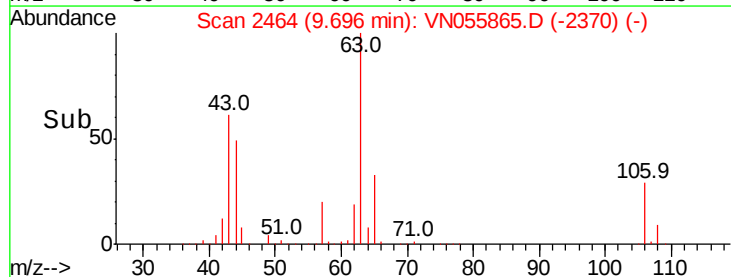
150000

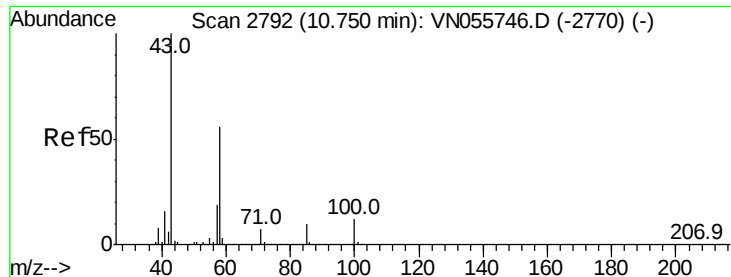
100000

50000

0

Time-->





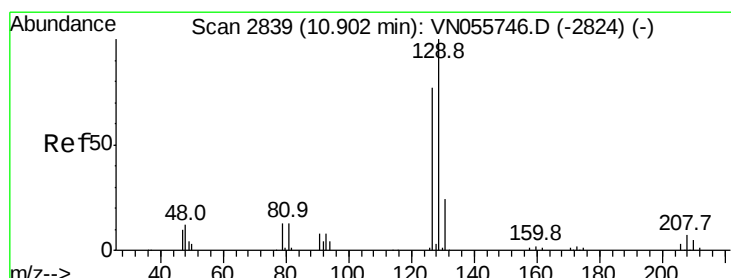
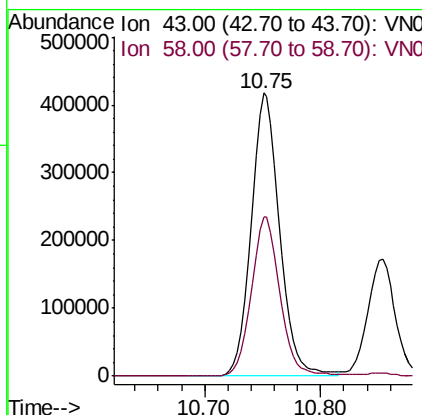
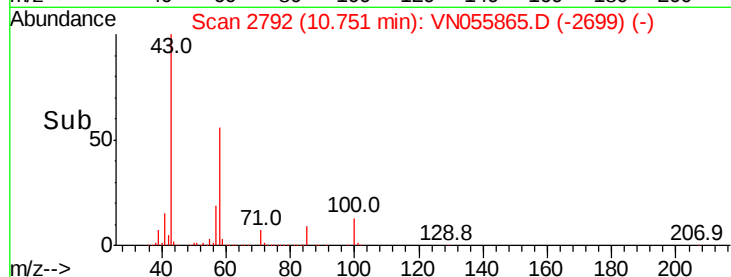
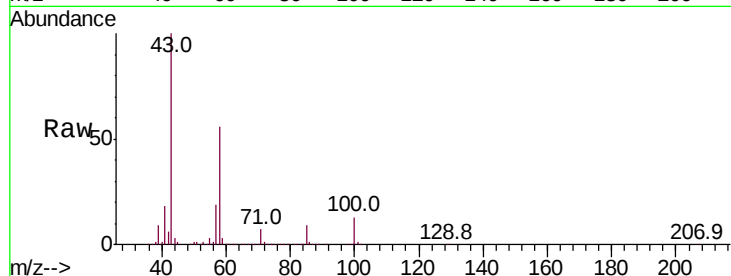
#59
2-Hexanone
Concen: 246.256 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 715111
Ion Ratio Lower Upper
43 100
58 56.9 28.2 84.7

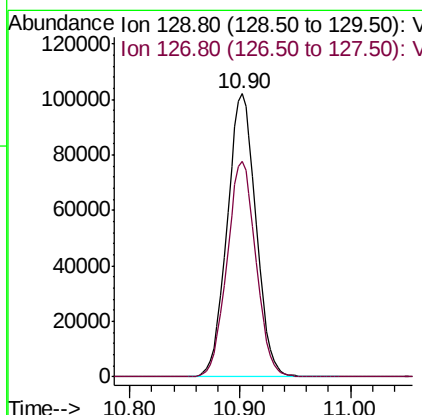
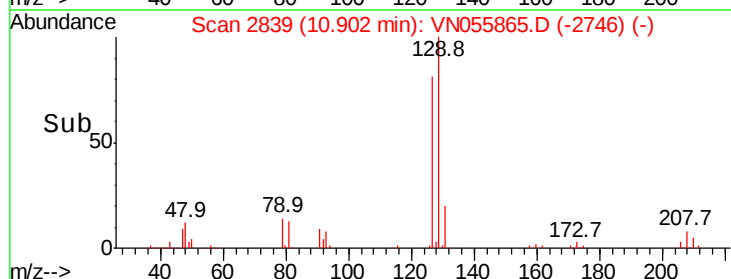
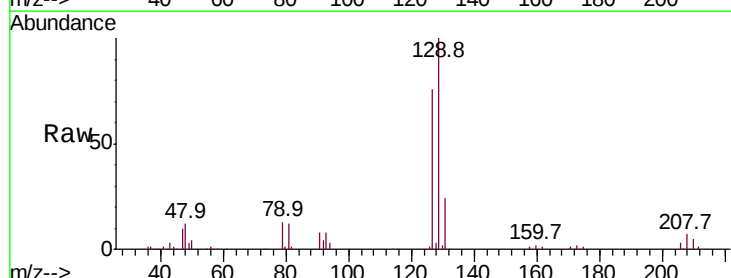
Manual Integrations
APPROVED

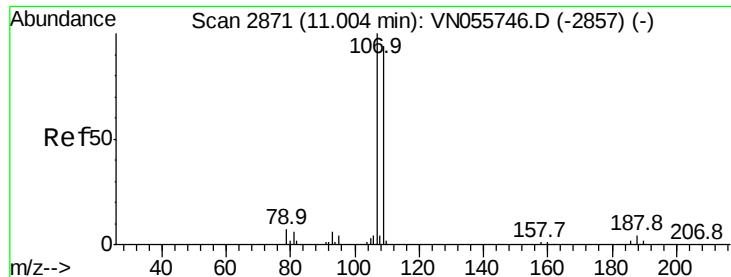
MMDadoda
5/30/2019 9:34:56 AM



#60
Dibromochloromethane
Concen: 48.867 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Tgt Ion: 129 Resp: 184500
Ion Ratio Lower Upper
129 100
127 76.5 38.1 114.3





#61

1,2-Dibromoethane

Concen: 50.213 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 107 Resp: 168801

Ion Ratio Lower Upper

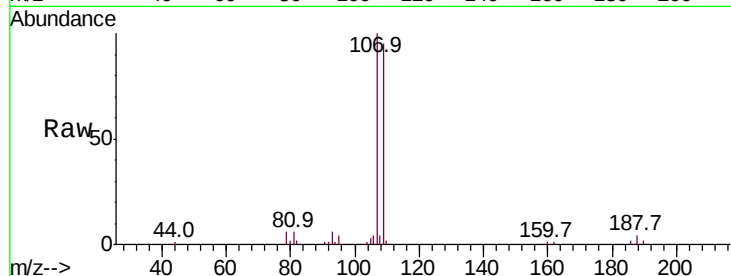
107 100

109 94.3 74.8 112.2

Manual Integrations
APPROVED

MMDadoda

5/30/2019 9:34:56 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

100000

80000

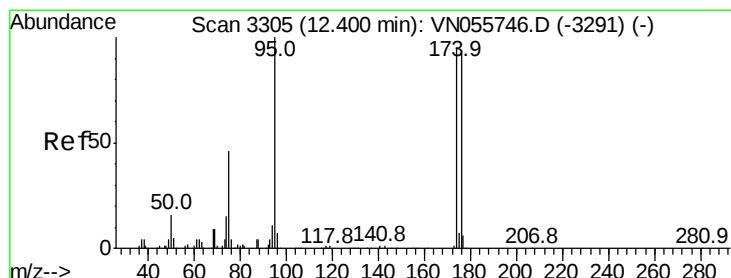
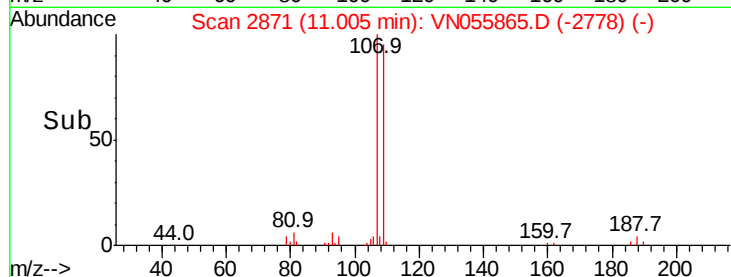
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.099 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

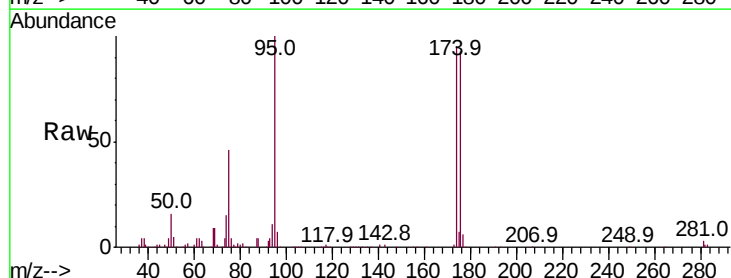
Tgt Ion: 95 Resp: 204043

Ion Ratio Lower Upper

95 100

174 94.8 0.0 191.0

176 92.4 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

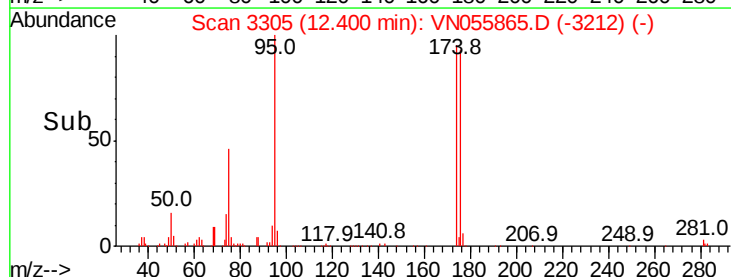
150000

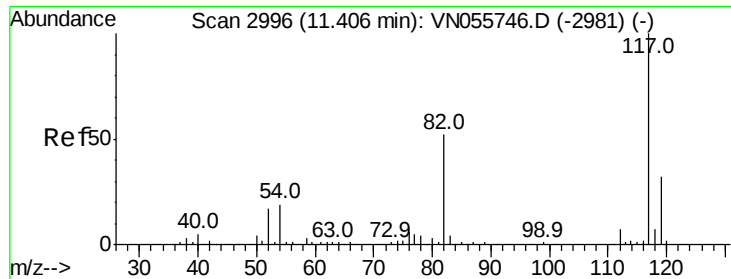
100000

50000

0

Time-->





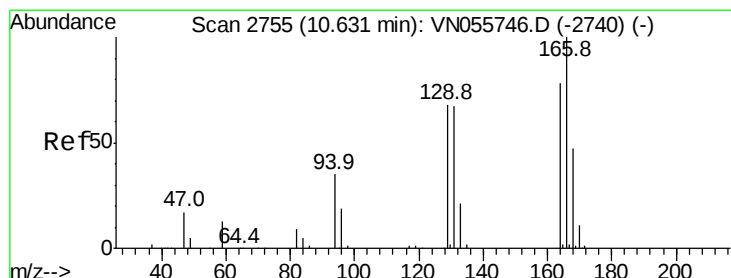
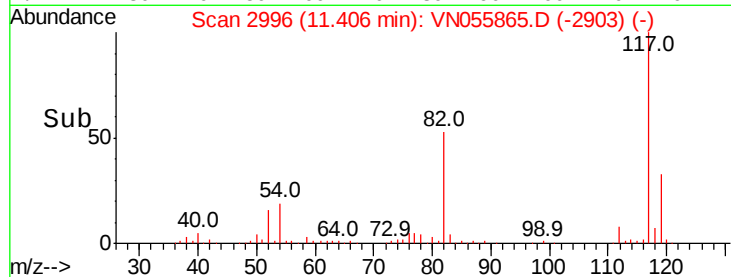
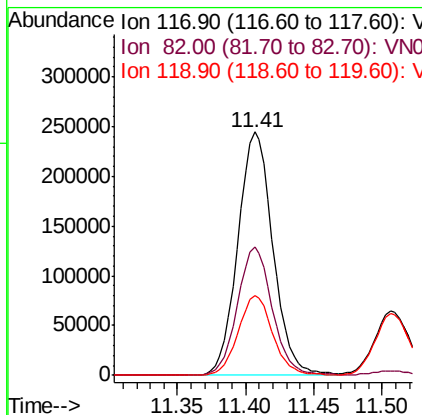
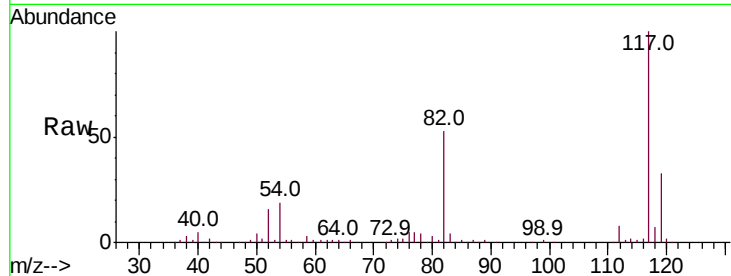
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.8	62.8
119	32.7	25.4	38.0

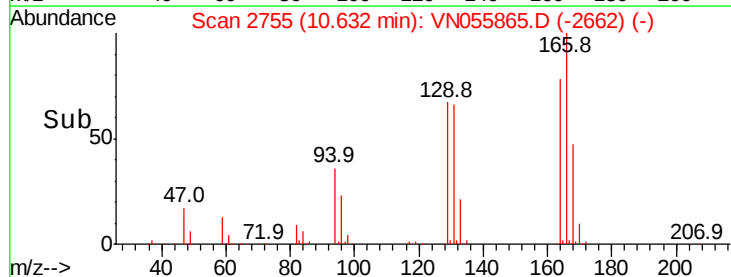
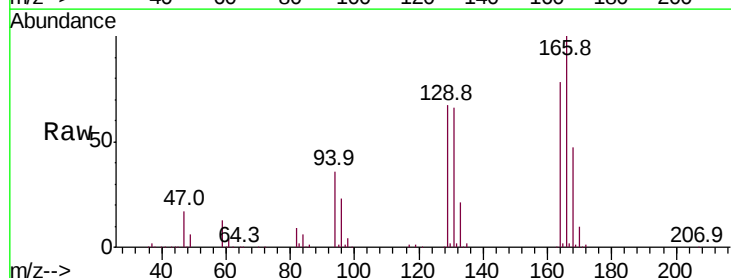
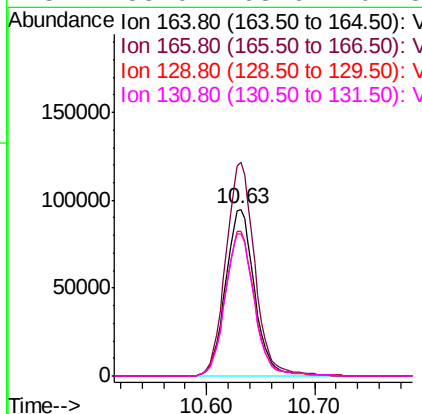
Manual Integrations
APPROVED

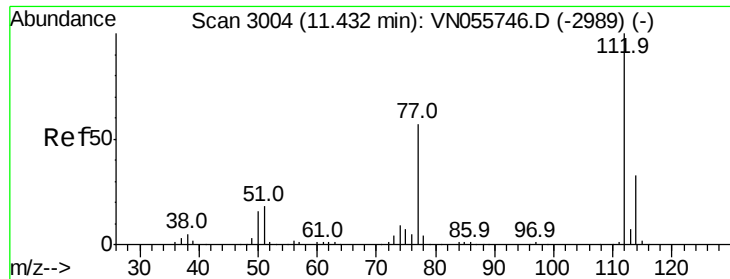
MMDadoda
5/30/2019 9:34:56 AM



#64
Tetrachloroethene
Concen: 48.192 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	103.0	154.6
129	86.5	70.6	105.8
131	85.0	68.6	102.8





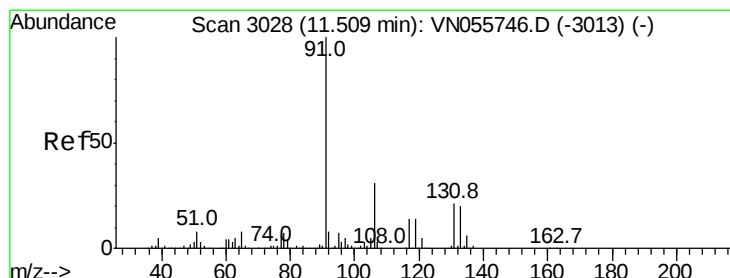
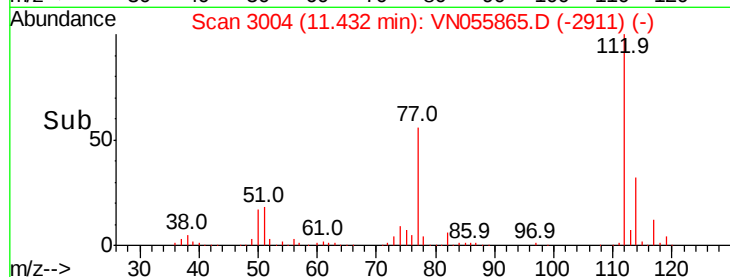
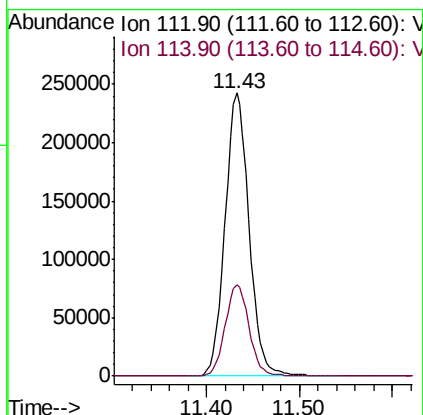
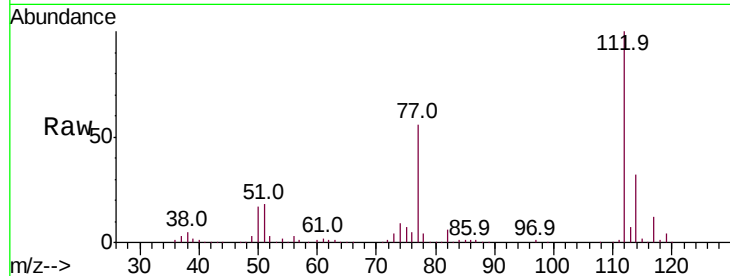
#65
Chlorobenzene
Concen: 49.697 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 435089
Ion Ratio Lower Upper
112 100
114 32.4 26.2 39.4

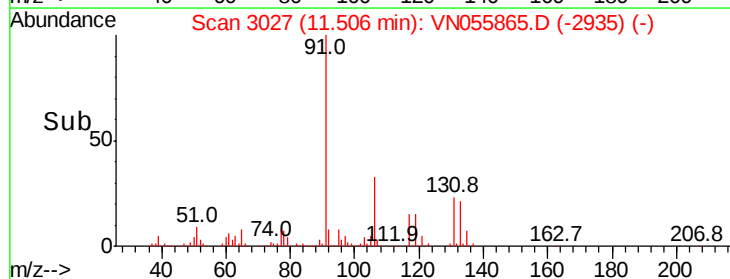
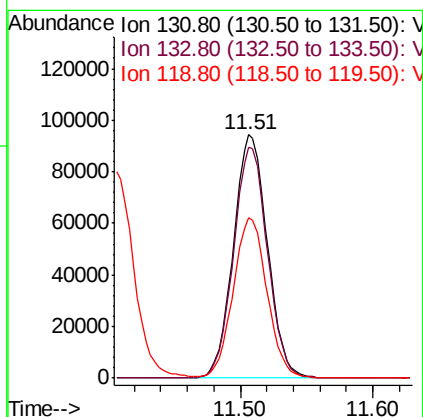
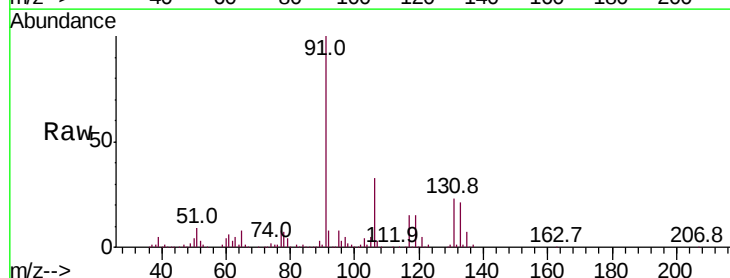
Manual Integrations
APPROVED

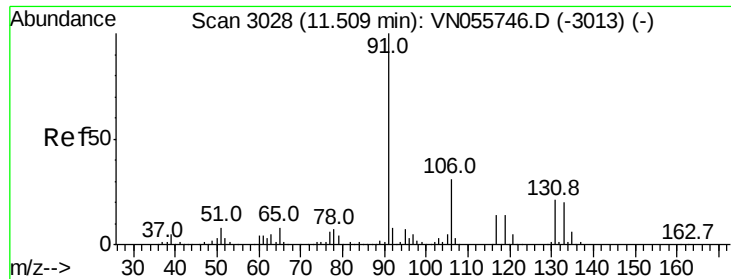
MMDadoda
5/30/2019 9:34:56 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.966 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Tgt Ion:131 Resp: 167487
Ion Ratio Lower Upper
131 100
133 94.9 48.0 144.0
119 66.1 33.1 99.5





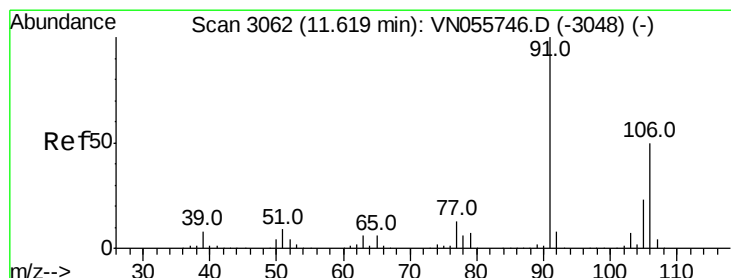
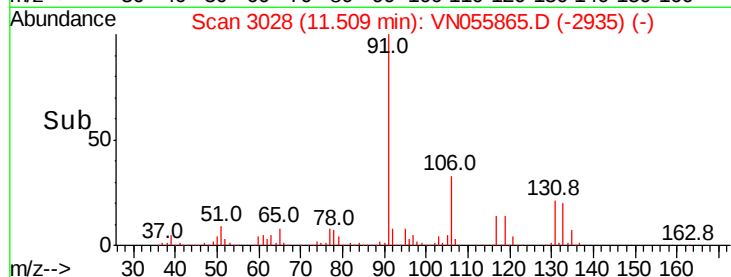
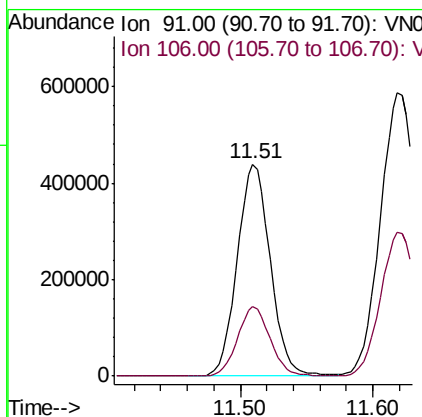
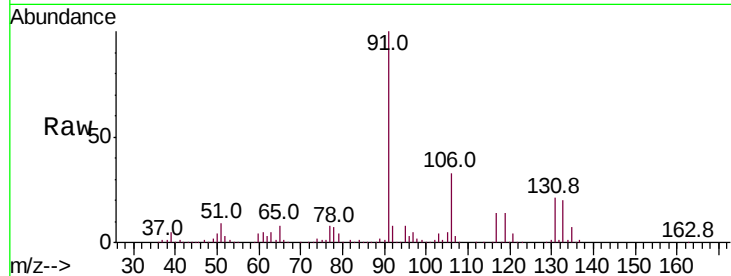
#67
Ethyl Benzene
Concen: 48.525 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 761843
Ion Ratio Lower Upper
91 100
106 32.6 25.1 37.7

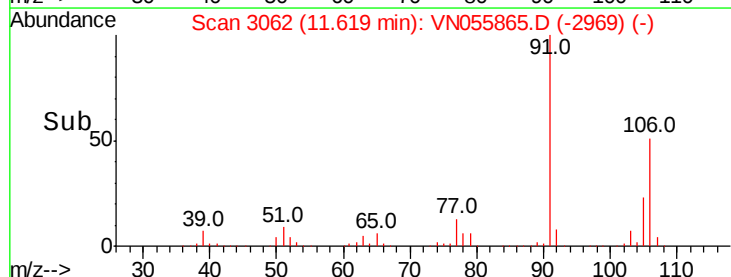
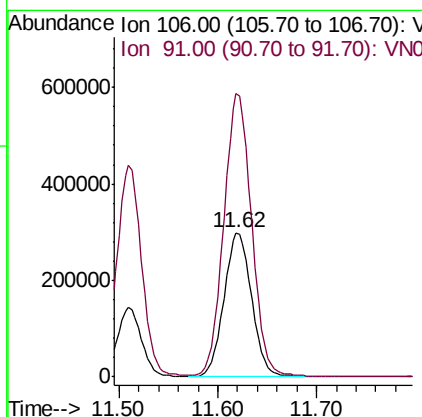
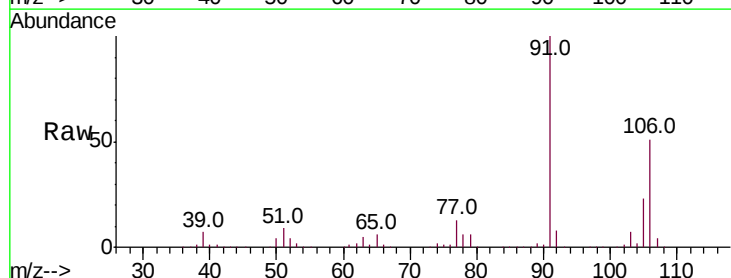
Manual Integrations
APPROVED

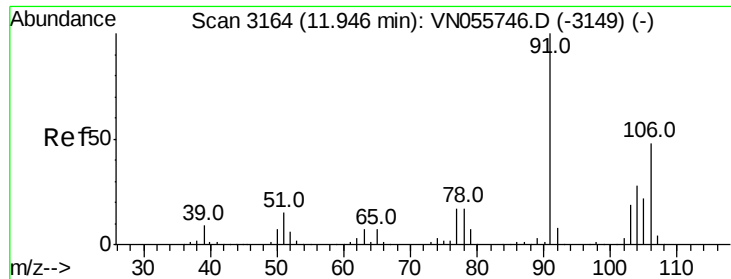
MMDadoda
5/30/2019 9:34:56 AM



#68
m/p-Xylenes
Concen: 99.070 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Tgt Ion: 106 Resp: 588020
Ion Ratio Lower Upper
106 100
91 197.4 159.3 238.9





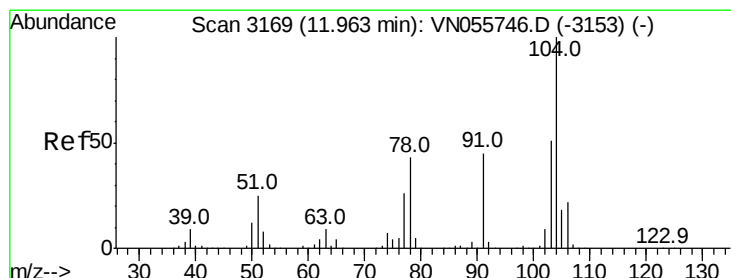
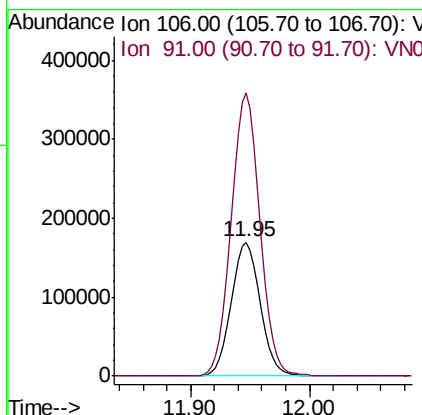
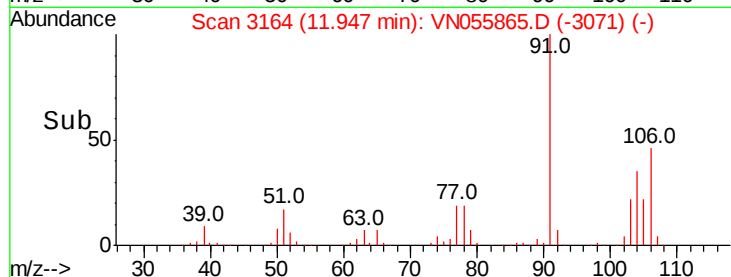
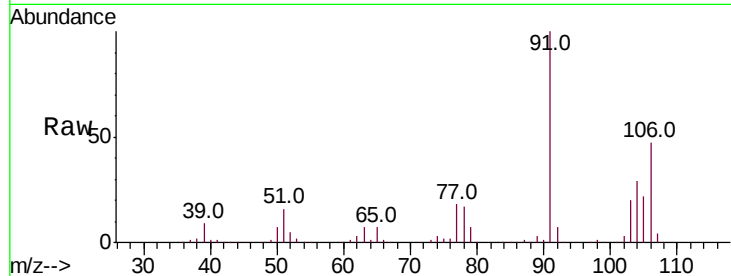
#69
o-Xylene
Concen: 48.687 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 286701
Ion Ratio Lower Upper
106 100
91 209.3 104.7 314.1

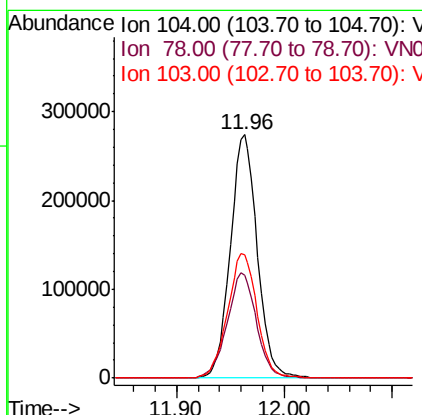
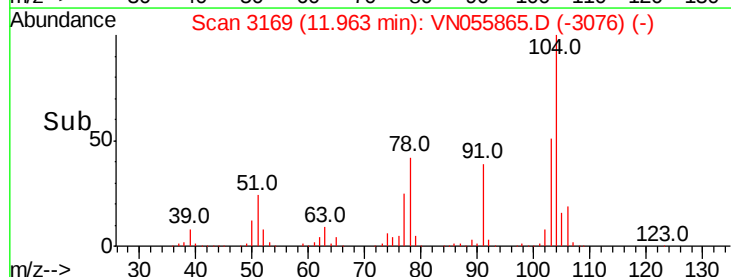
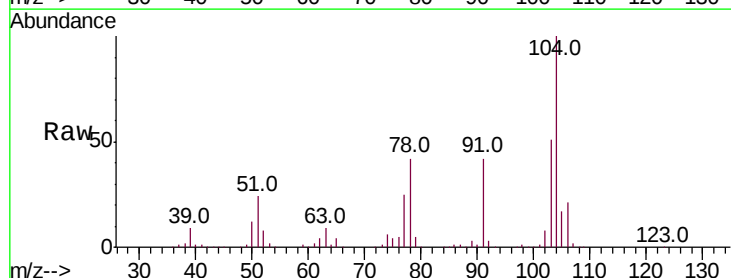
Manual Integrations
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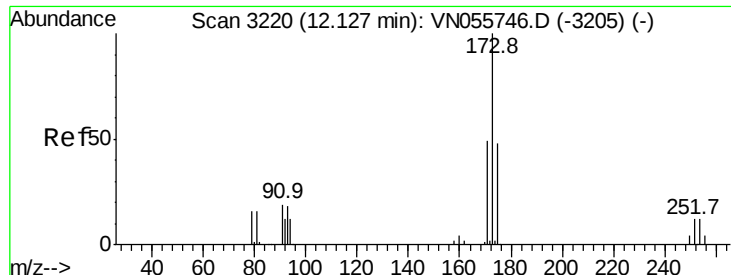
MMDadoda
5/30/2019 9:34:56 AM



#70
Styrene
Concen: 50.055 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Tgt Ion:104 Resp: 477334
Ion Ratio Lower Upper
104 100
78 47.0 37.8 56.6
103 55.9 44.2 66.2





#71

Bromoform

Concen: 46.209 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 137626

Ion Ratio Lower Upper

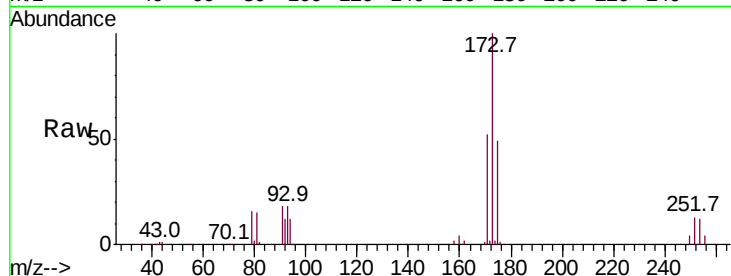
173 100

175 49.0 24.3 72.8

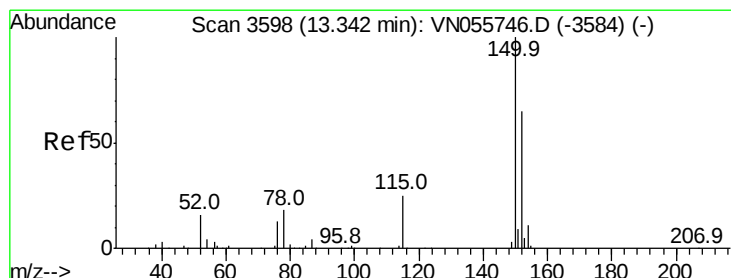
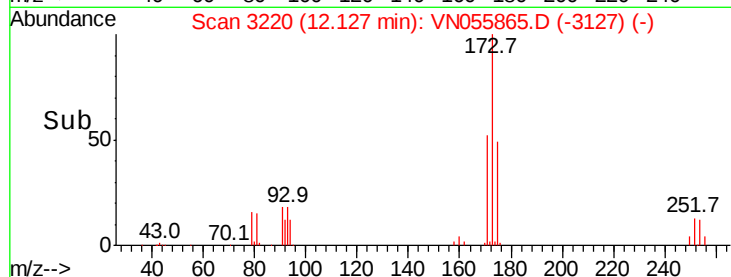
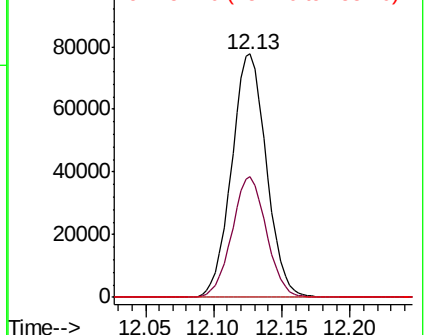
254 0.1 0.0 0.0#

Manual Integrations
APPROVED

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5/30/2019 9:34:56 AM



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: VN055865.D

Acq: 29 May 2019 9:49

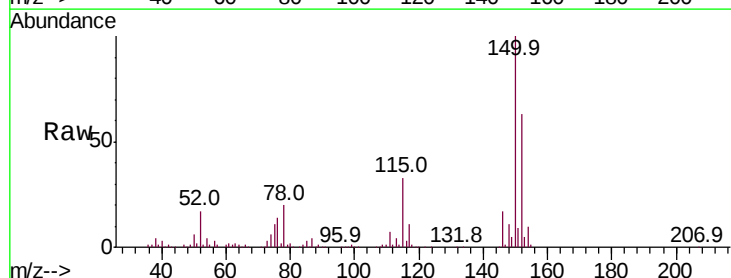
Tgt Ion:152 Resp: 201117

Ion Ratio Lower Upper

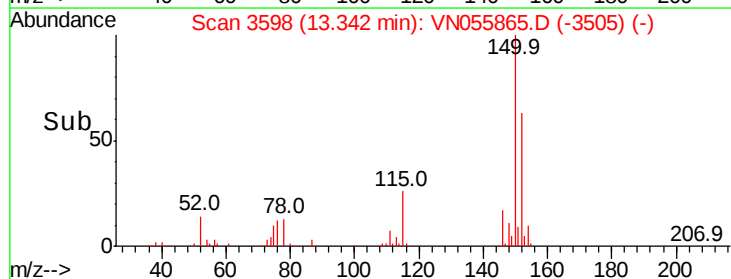
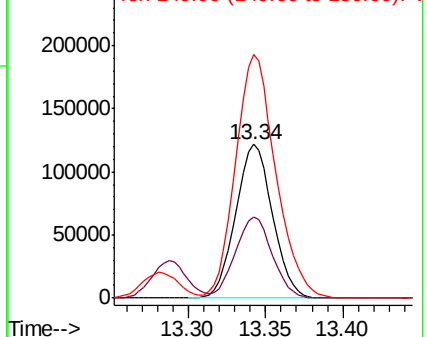
152 100

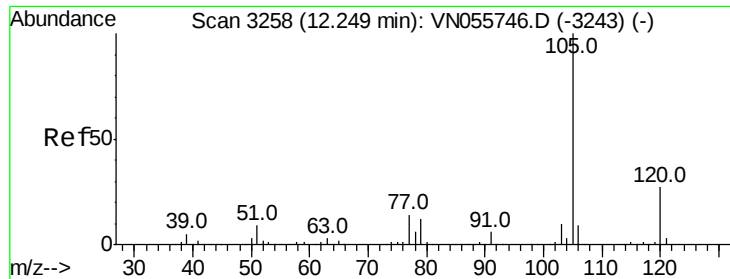
115 52.8 27.0 81.0

150 172.9 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





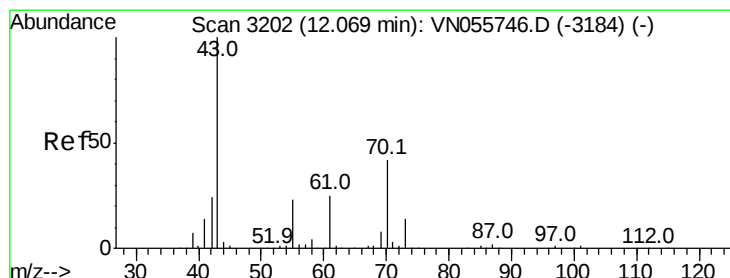
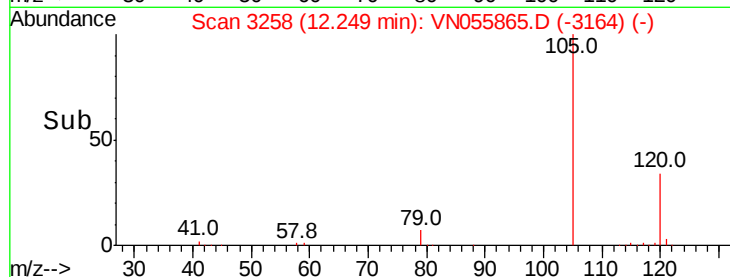
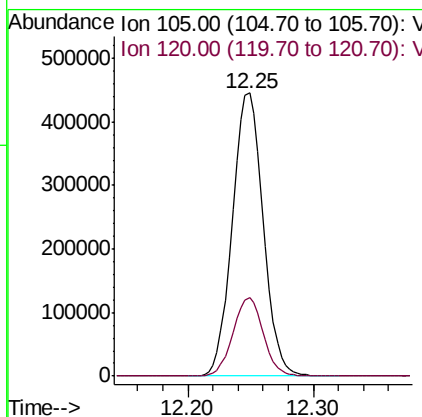
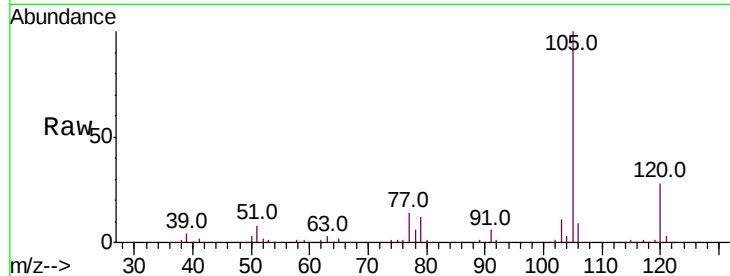
#73
Isopropylbenzene
Concen: 53.267 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 759558
Ion Ratio Lower Upper
105 100
120 27.2 13.6 40.7

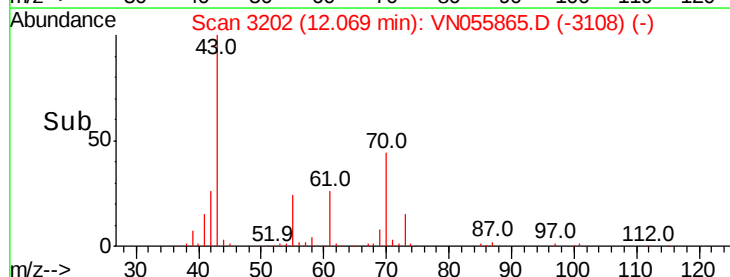
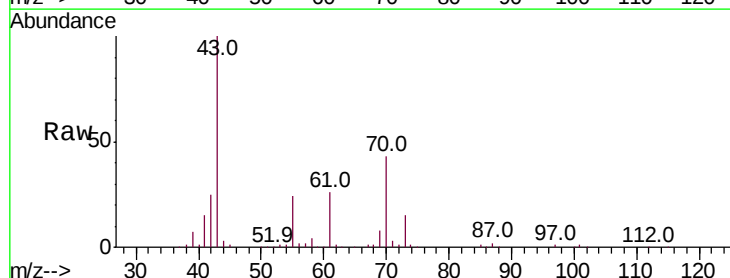
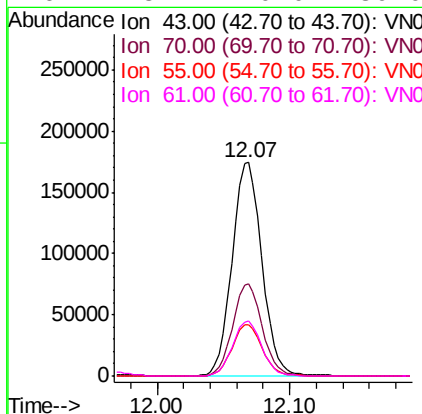
Manual Integrations
APPROVED

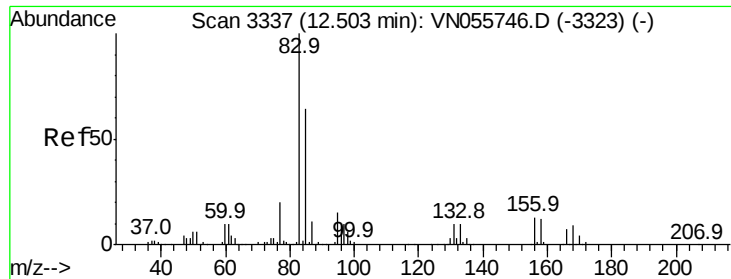
MMDadoda
5/30/2019 9:34:56 AM



#74
N-ethyl acetate
Concen: 49.761 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Tgt Ion: 43 Resp: 271063
Ion Ratio Lower Upper
43 100
70 43.2 34.0 51.0
55 24.6 18.6 28.0
61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.079 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

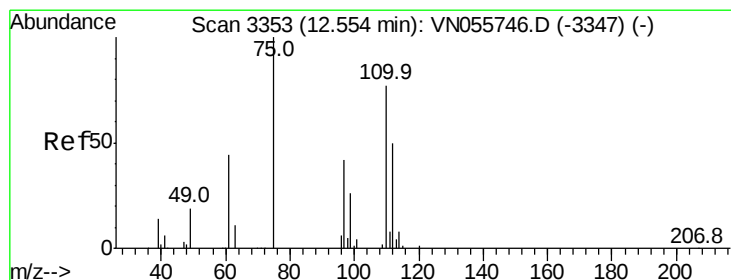
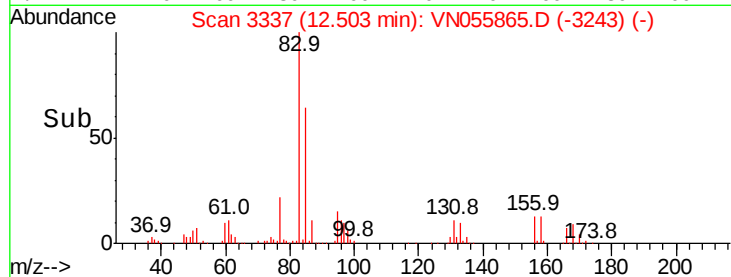
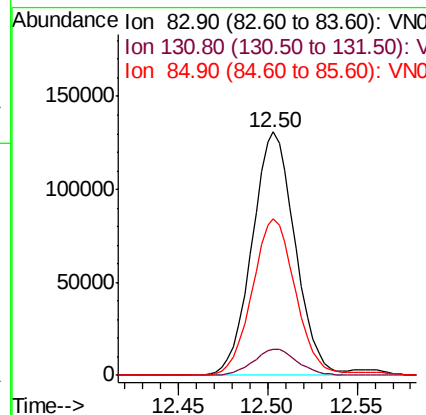
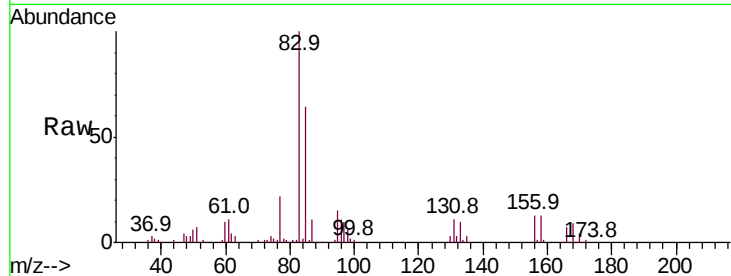
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	220081
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	64.6	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.721 ug/l m

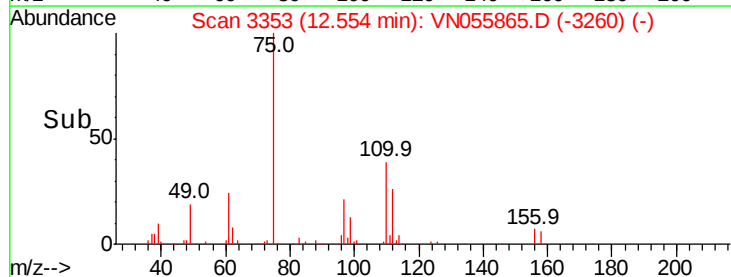
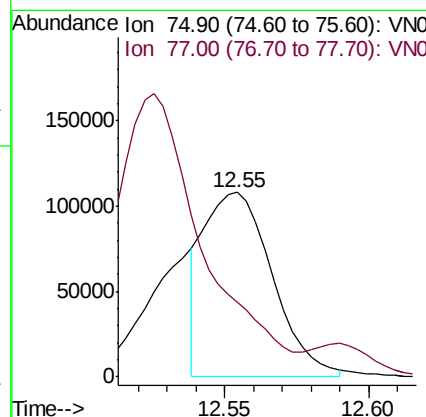
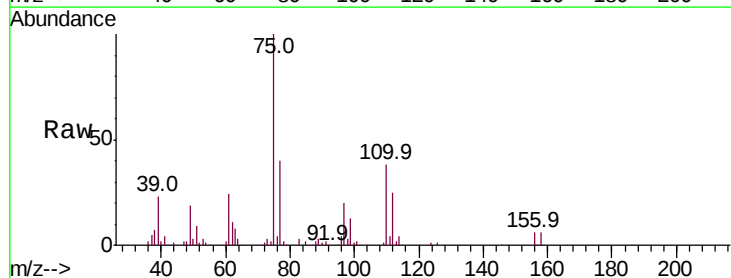
RT: 12.55 min Scan# 3353

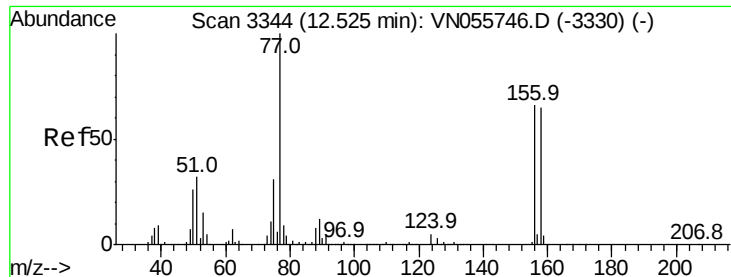
Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Tgt Ion:	75	Resp:	178737
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.200 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

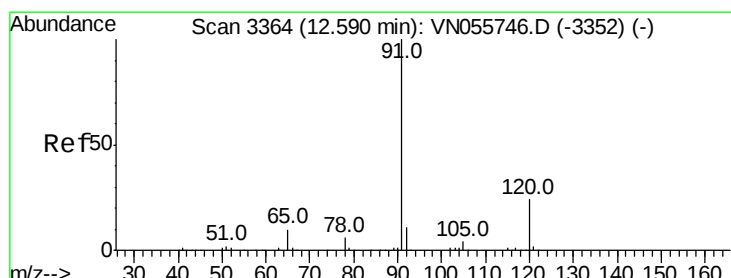
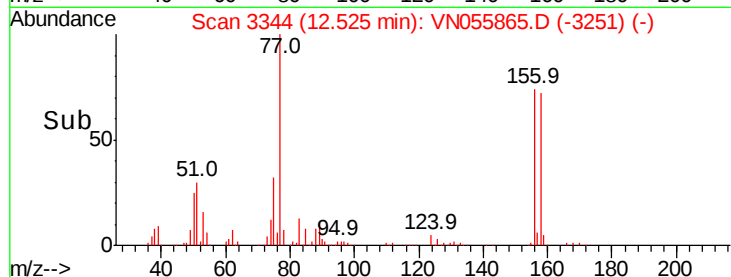
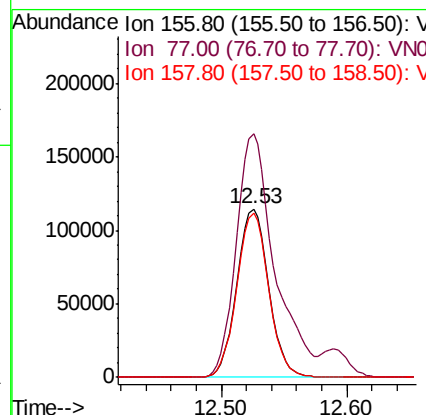
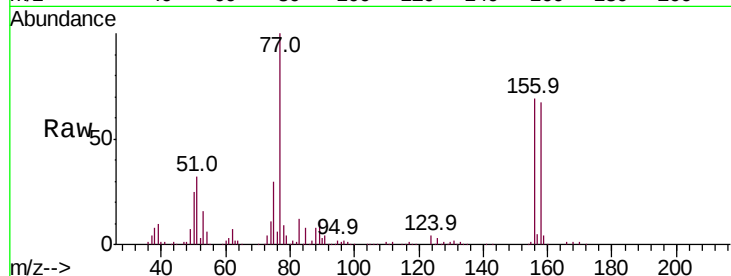
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	202567
Ion Ratio	Lower	Upper	
156	100		
77	175.5	90.8	272.5
158	97.6	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 46.832 ug/l

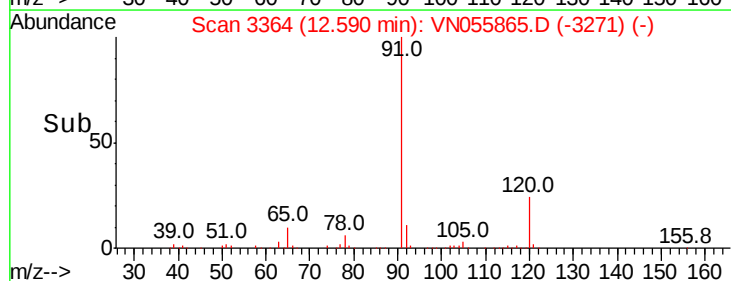
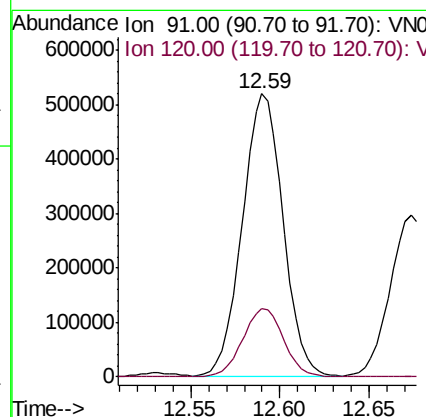
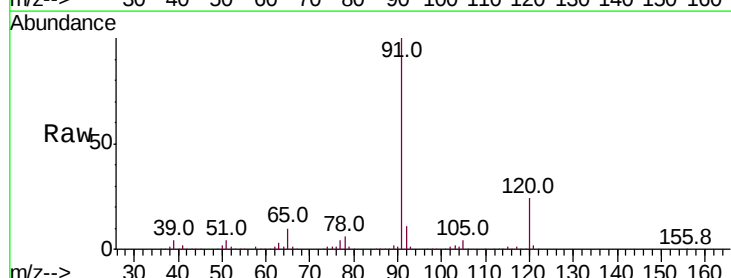
RT: 12.59 min Scan# 3364

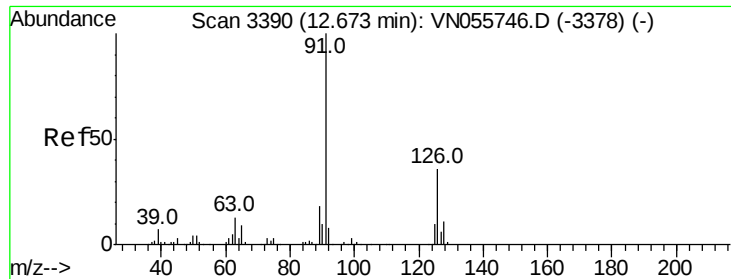
Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Tgt Ion:	91	Resp:	818615
Ion Ratio	Lower	Upper	
91	100		
120	24.5	12.0	36.0





#79

2-Chlorotoluene

Concen: 52.672 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 494643

Ion Ratio Lower Upper

91 100

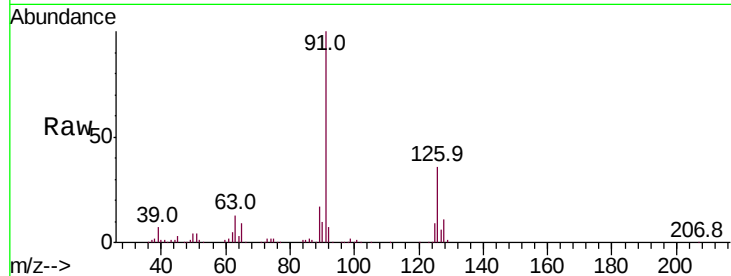
126 36.3 18.1 54.4

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

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

400000

300000

200000

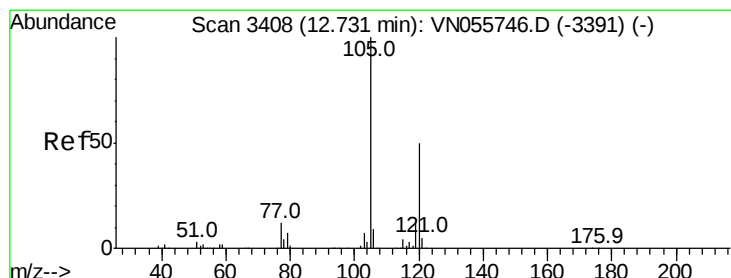
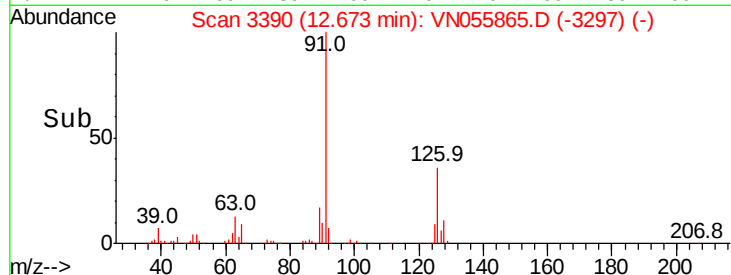
100000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.510 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055865.D

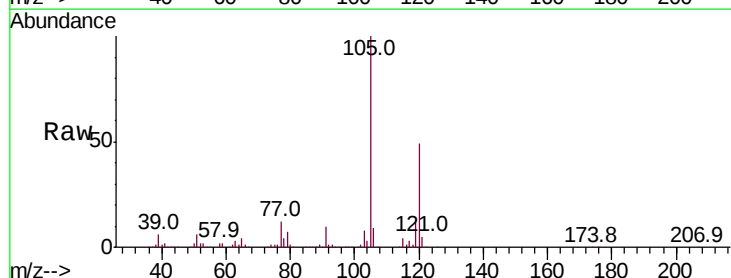
Acq: 29 May 2019 9:49

Tgt Ion:105 Resp: 630780

Ion Ratio Lower Upper

105 100

120 49.6 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) (-)

400000

300000

200000

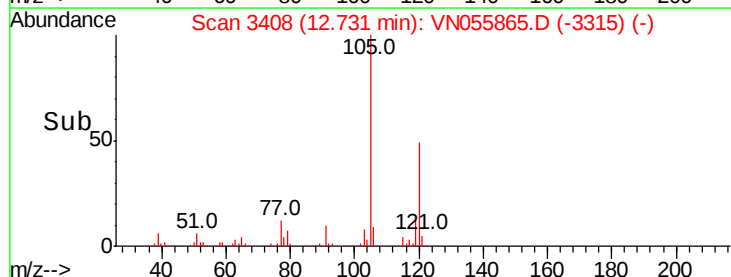
100000

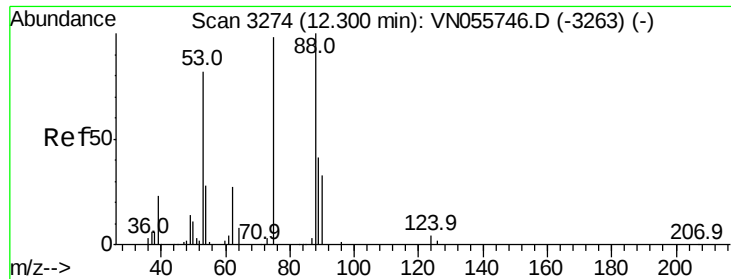
0

12.70 12.80

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 44.037 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

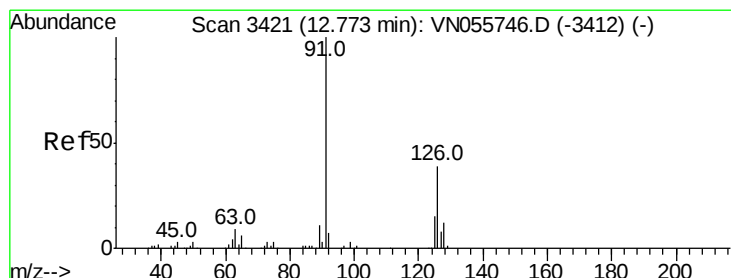
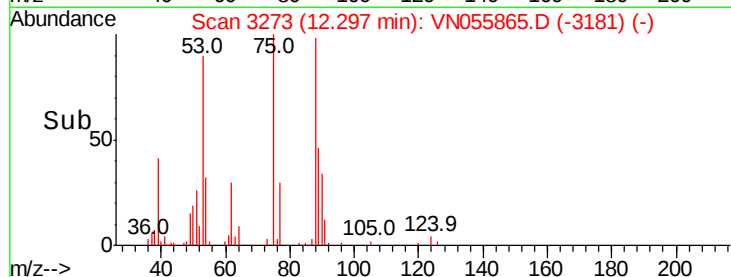
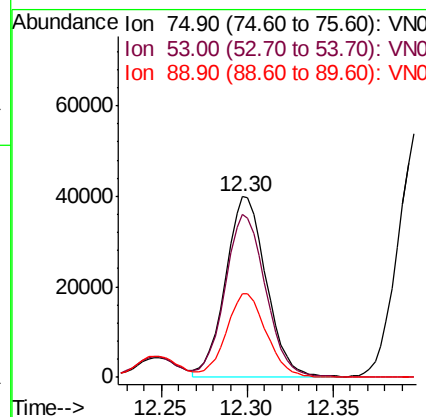
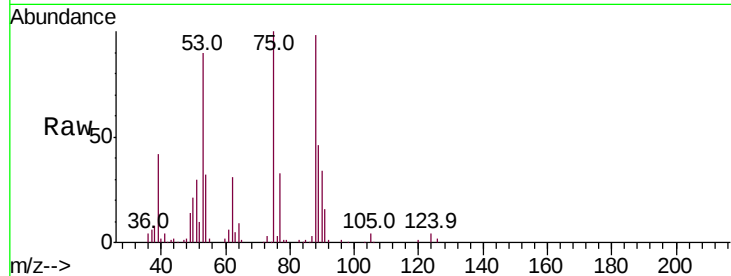
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	65825
Ion	Ratio	Lower	Upper
75	100		
53	90.2	68.1	102.1
89	45.5	36.9	55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.157 ug/l

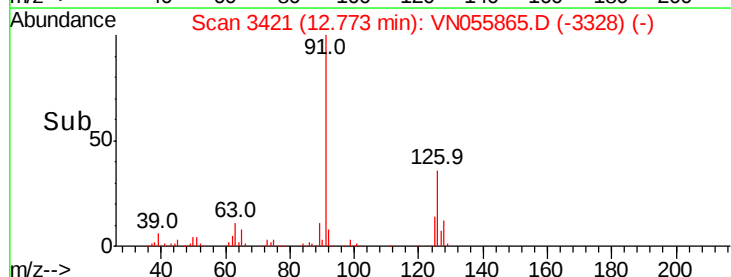
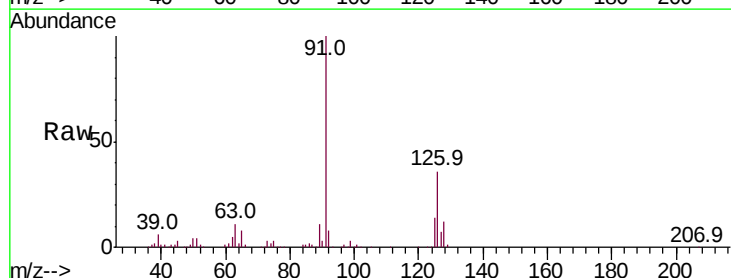
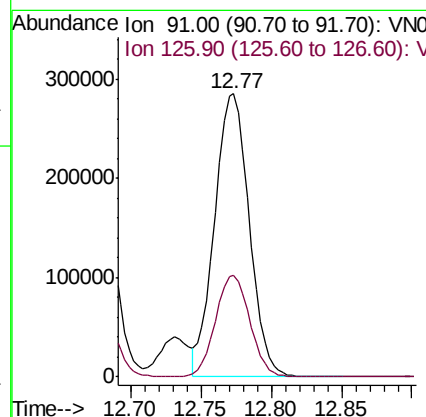
RT: 12.77 min Scan# 3421

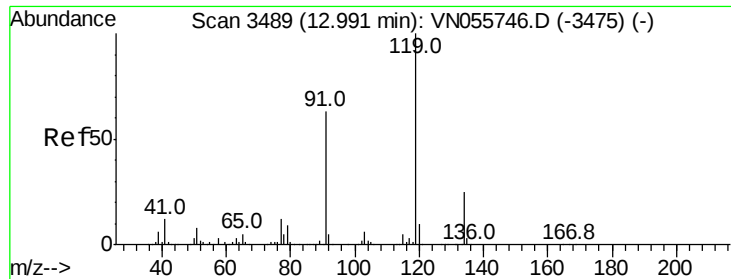
Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Tgt Ion:	91	Resp:	484535
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.8	53.3





#83

tert-Butylbenzene

Concen: 53.223 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

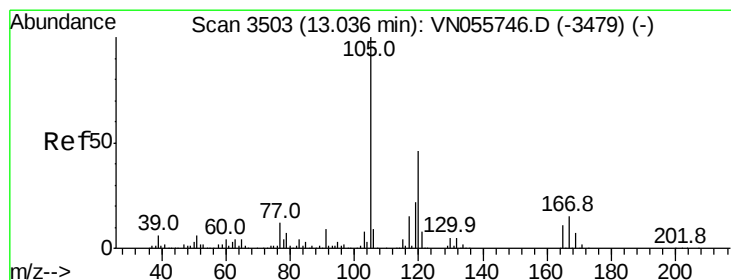
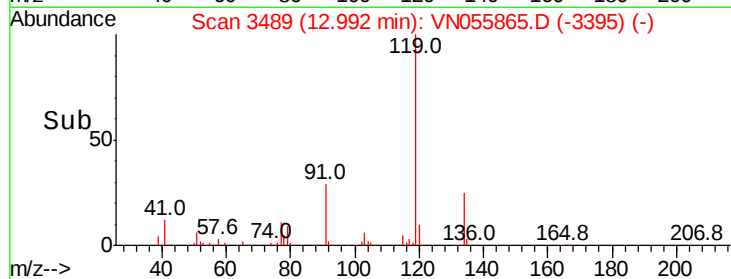
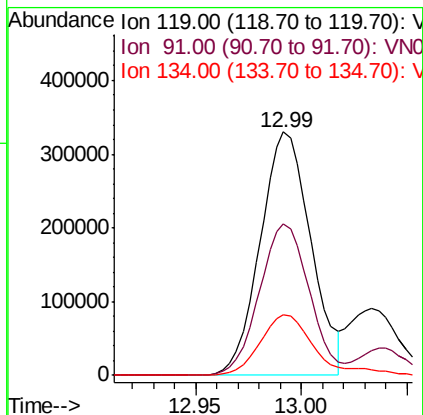
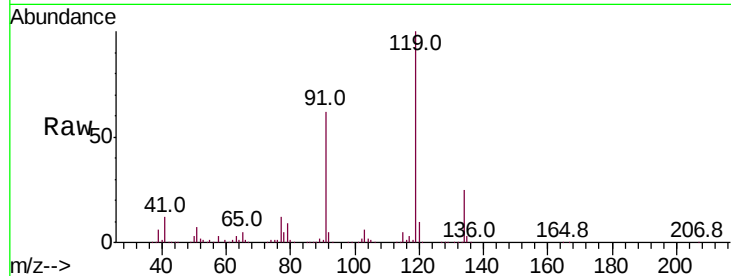
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	551969
Ion Ratio	Lower	Upper	
119	100		
91	61.4	30.9	92.8
134	26.7	13.3	39.8

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#84

1,2,4-Trimethylbenzene

Concen: 51.940 ug/l

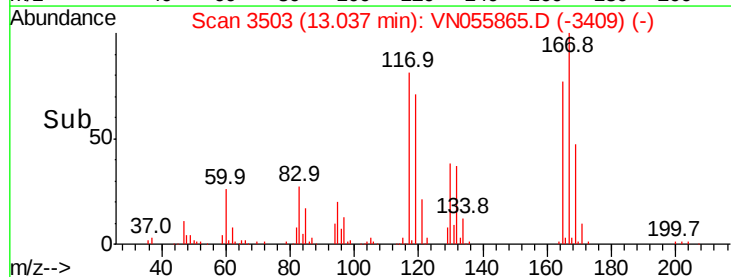
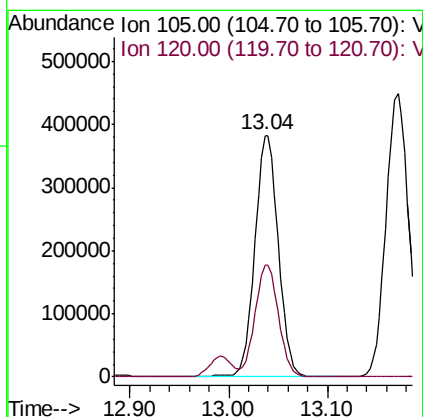
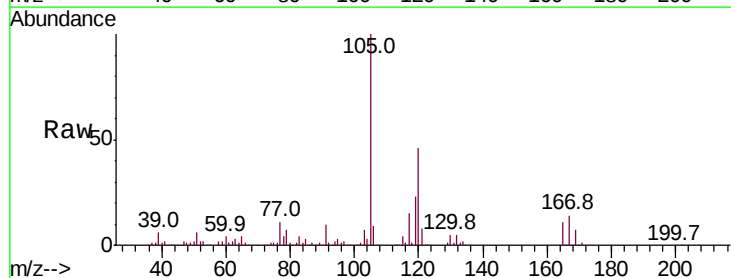
RT: 13.04 min Scan# 3503

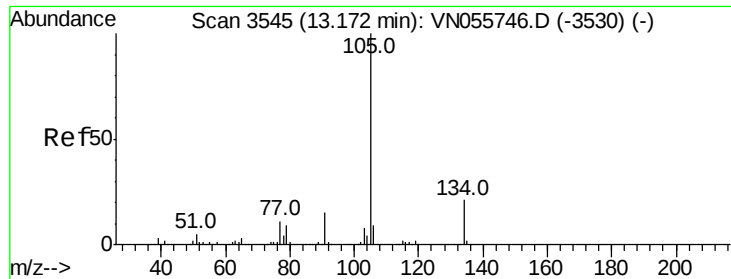
Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Tgt Ion:	105	Resp:	623347
Ion Ratio	Lower	Upper	
105	100		
120	46.4	23.0	69.0





#85

sec-Butylbenzene

Concen: 53.035 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 716089

Ion Ratio Lower Upper

105 100

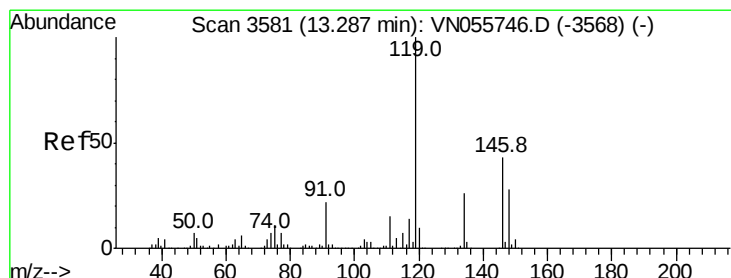
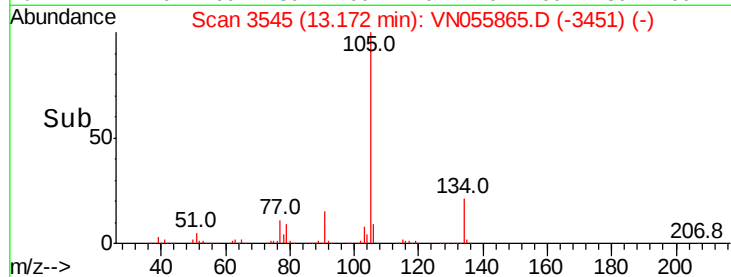
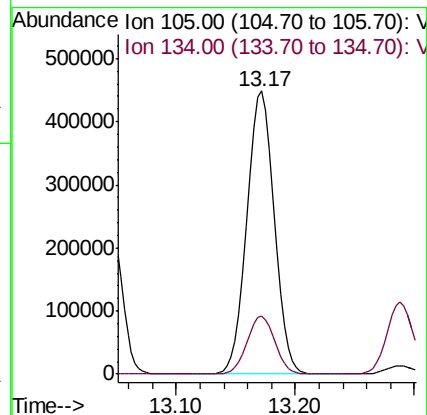
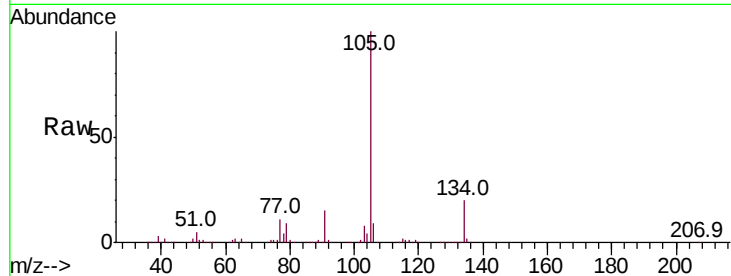
134 20.8 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 46.830 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

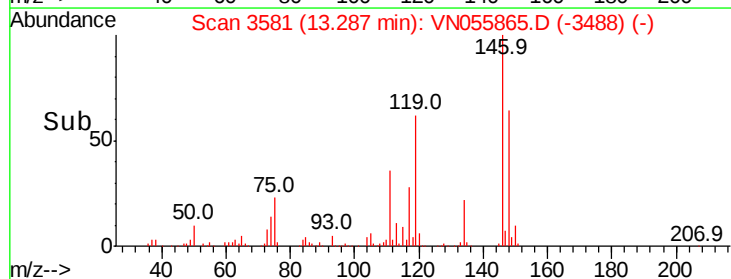
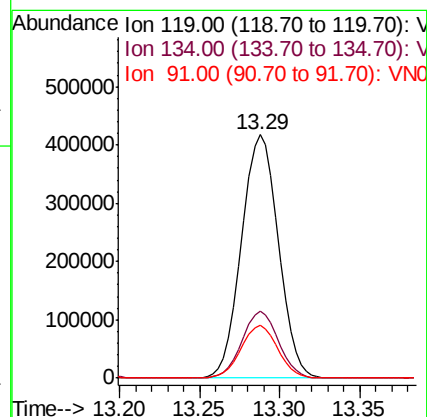
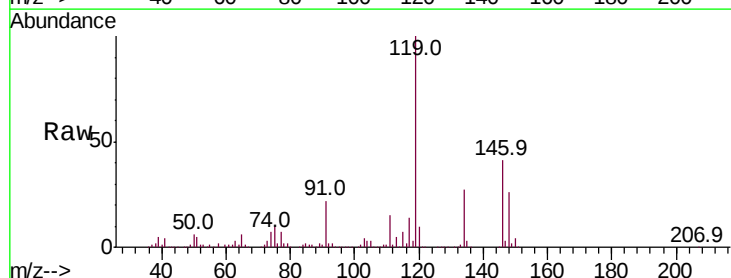
Tgt Ion:119 Resp: 654065

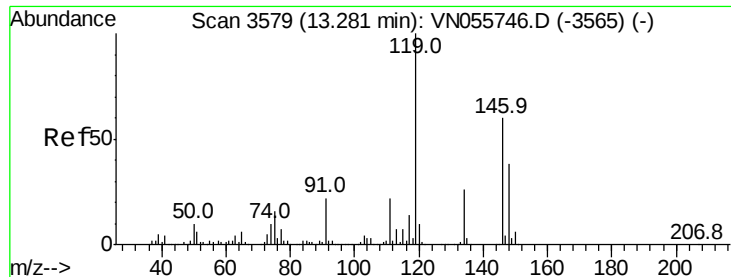
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 21.5 10.9 32.9





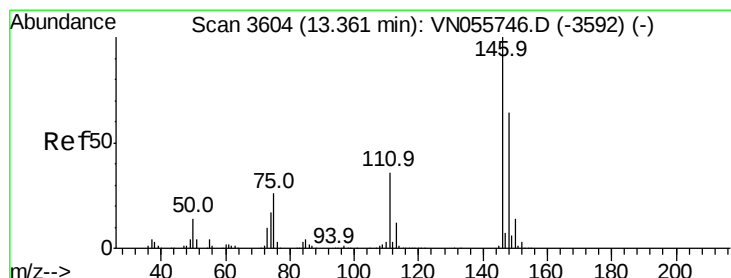
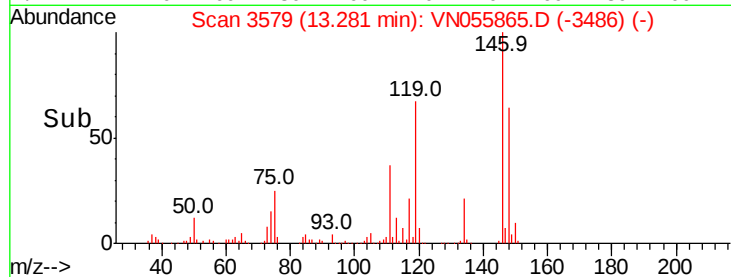
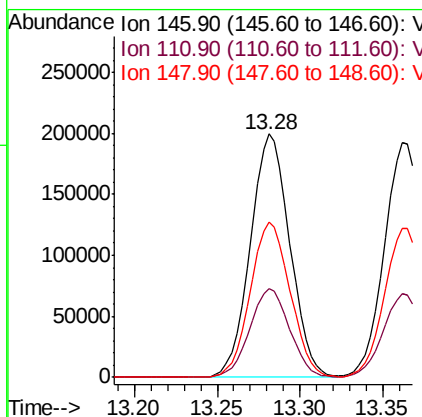
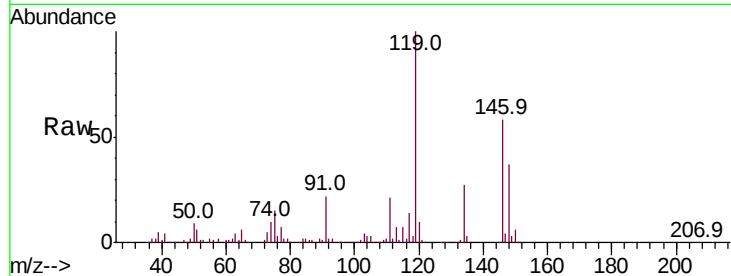
#87
 1,3-Dichlorobenzene
 Concen: 48.578 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055865.D
 Acq: 29 May 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	330112		
111	36.8	18.5	55.5	
148	64.2	32.0	96.2	

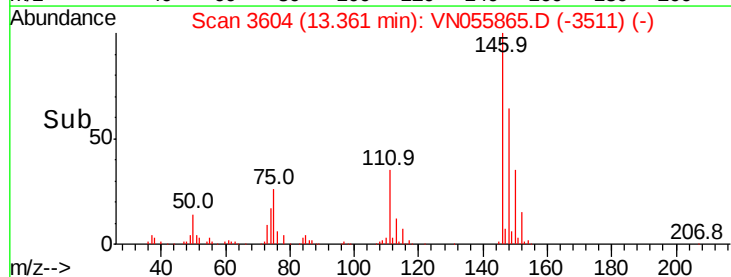
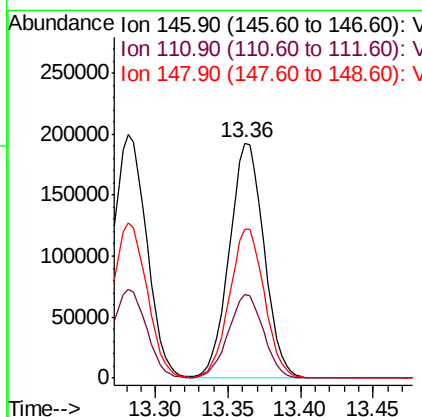
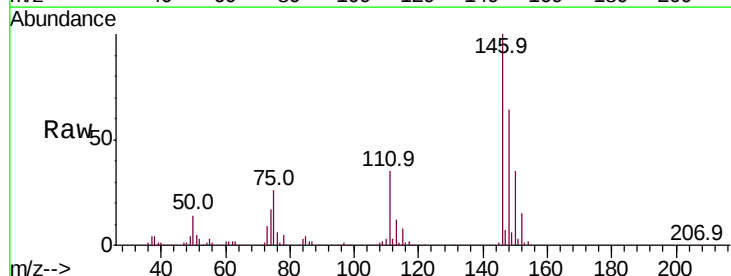
Manual Integrations
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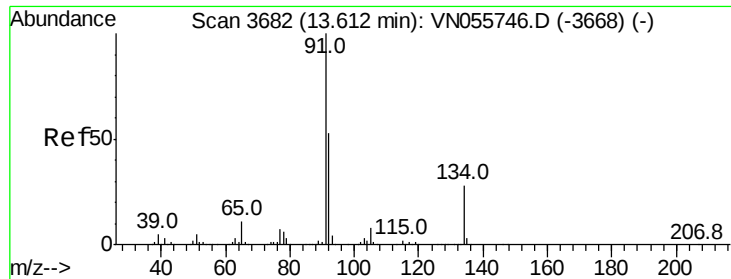
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#88
 1,4-Dichlorobenzene
 Concen: 49.459 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055865.D
 Acq: 29 May 2019 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	319547		
111	35.9	18.1	54.4	
148	63.8	32.1	96.5	





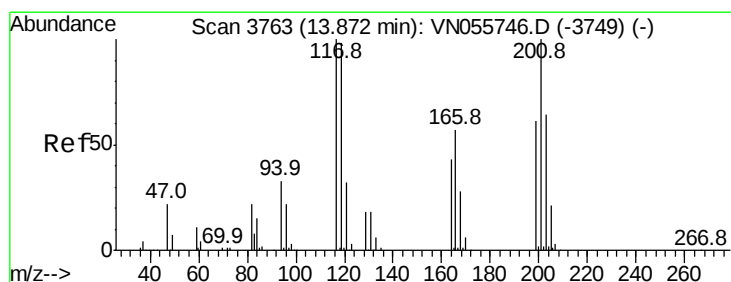
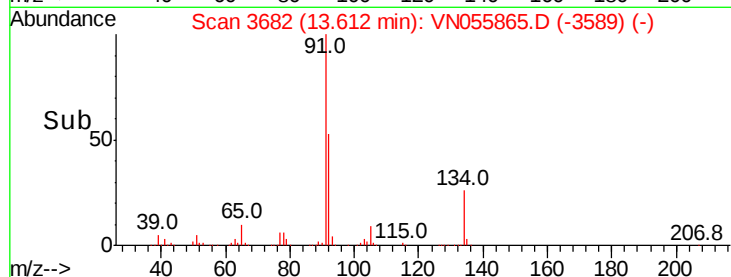
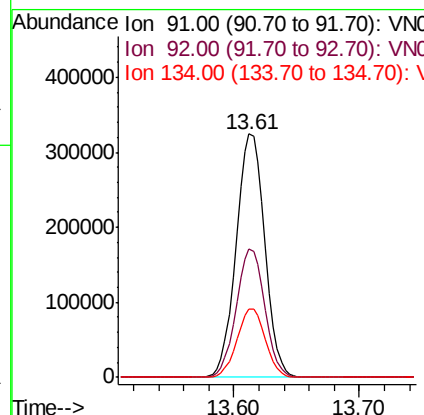
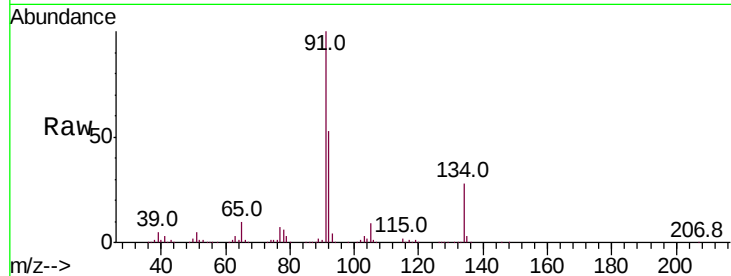
#89
n-Butylbenzene
Concen: 47.843 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.4	79.0
134	27.9	13.9	41.7

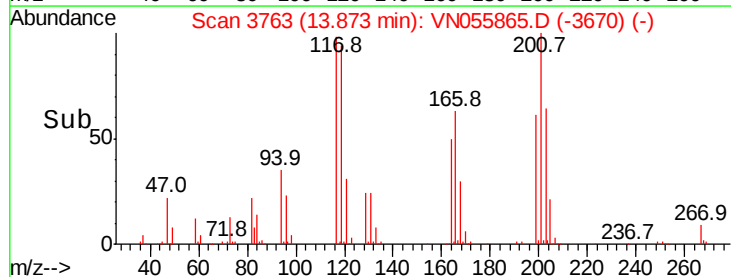
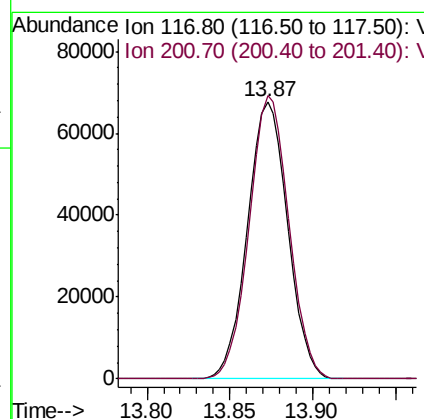
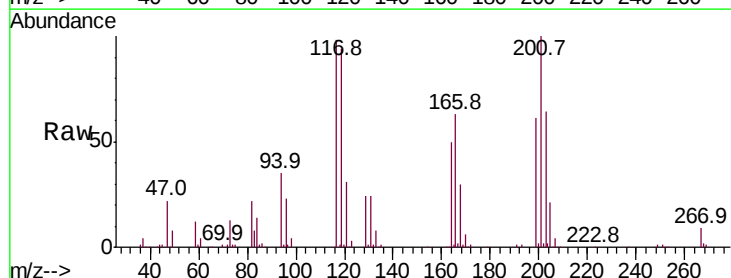
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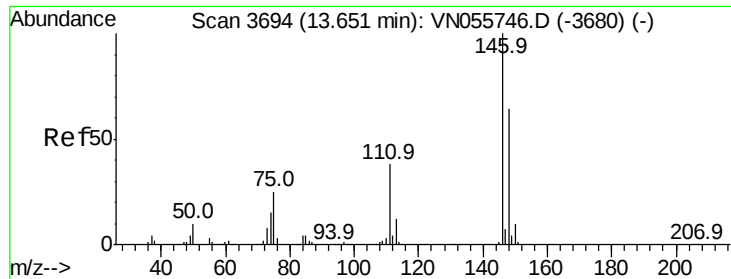
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#90
Hexachloroethane
Concen: 43.057 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055865.D
Acq: 29 May 2019 9:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.7	50.0	150.0





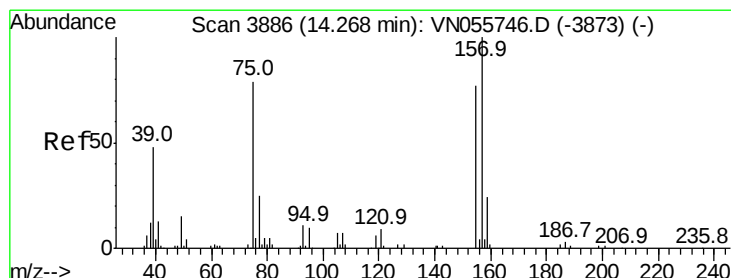
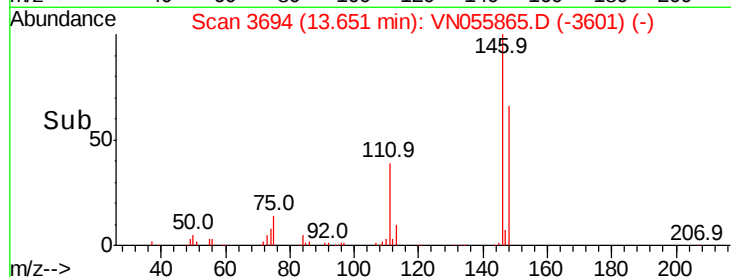
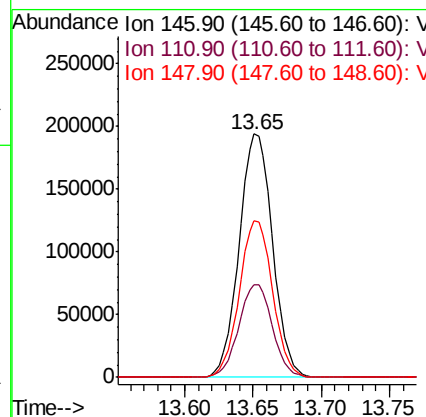
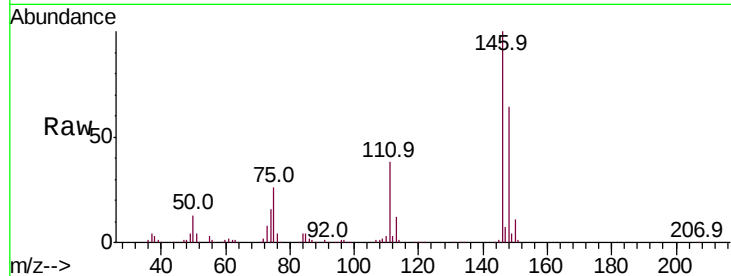
#91
 1,2-Dichlorobenzene
 Concen: 48.643 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055865.D
 Acq: 29 May 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.2	19.1	57.5	
148	64.1	31.9	95.9	

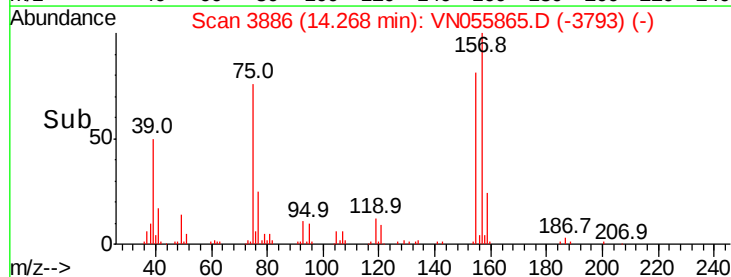
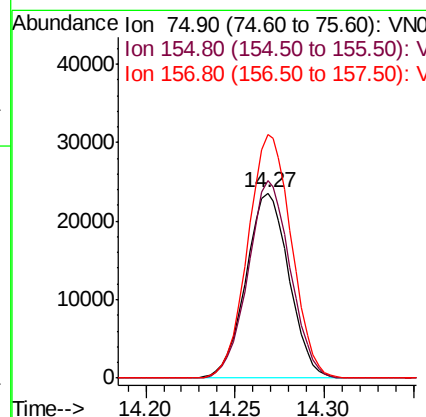
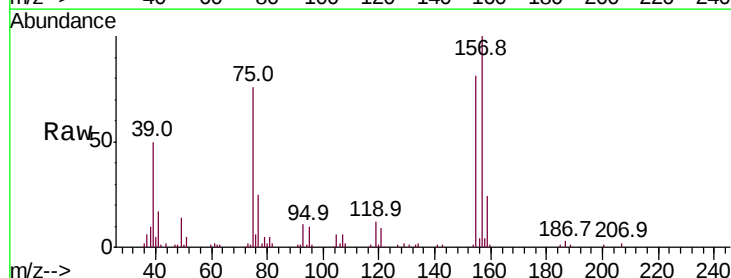
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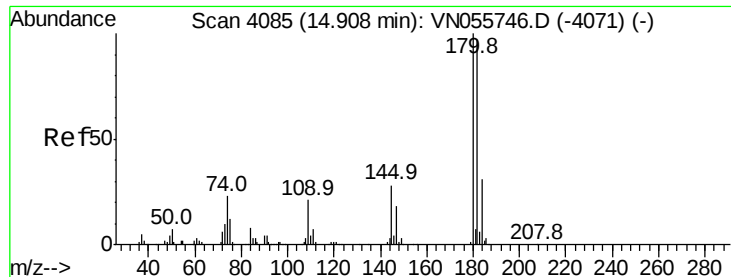
MMDadoda
 5/30/2019 9:34:56 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.677 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055865.D
 Acq: 29 May 2019 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	104.9	50.0	150.1	
157	133.3	64.8	194.3	





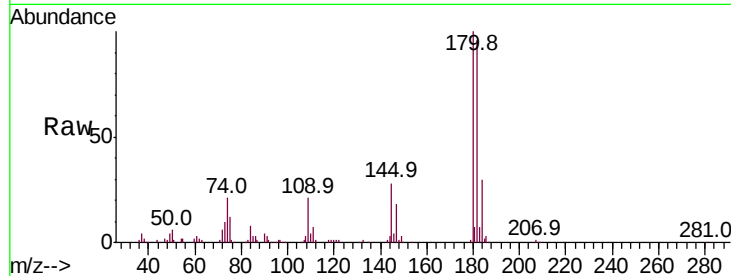
#93
 1,2,4-Trichlorobenzene
 Concen: 47.358 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055865.D
 Acq: 29 May 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

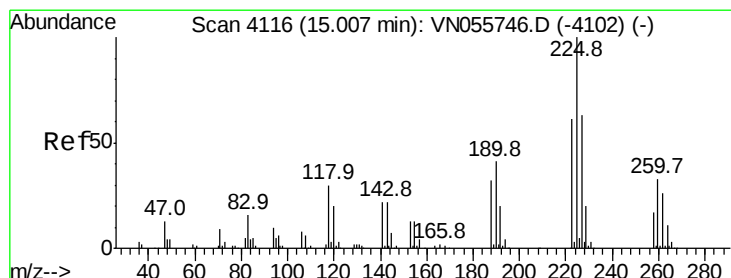
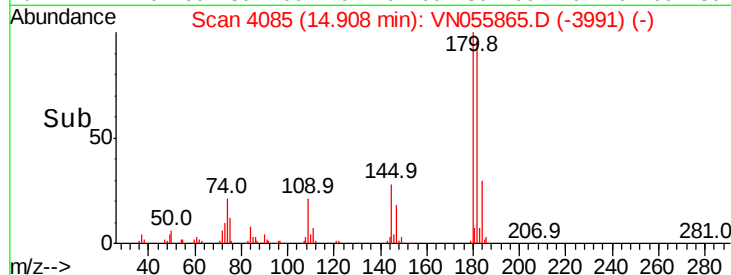
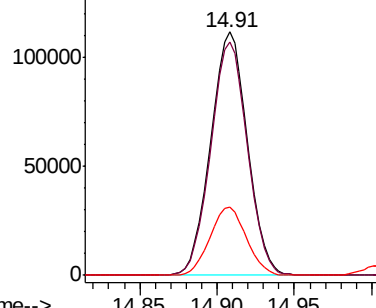
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.8	48.3	144.9	
145	27.8	14.0	41.9	

Manual Integrations
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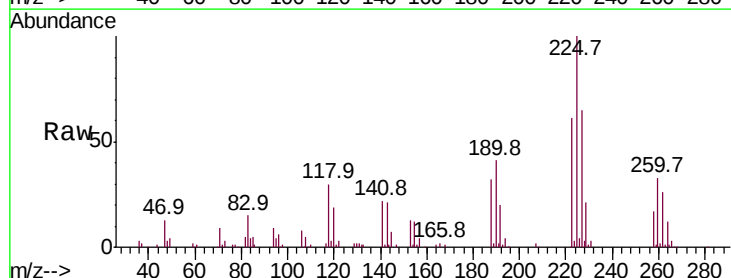


Abundance Ion 179.80 (179.50 to 180.50): V
 150000 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

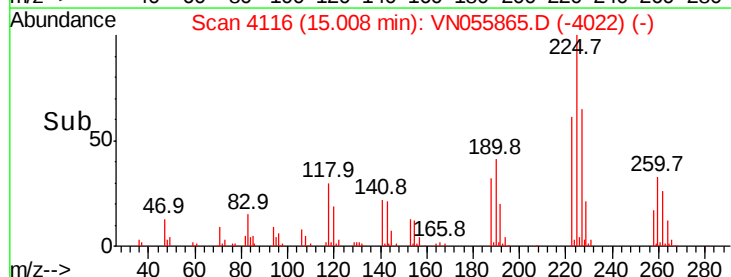
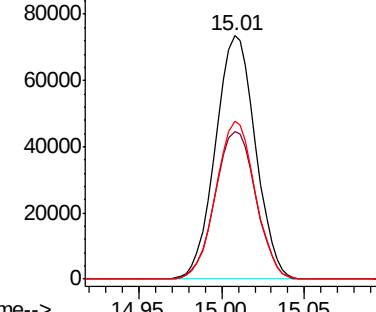


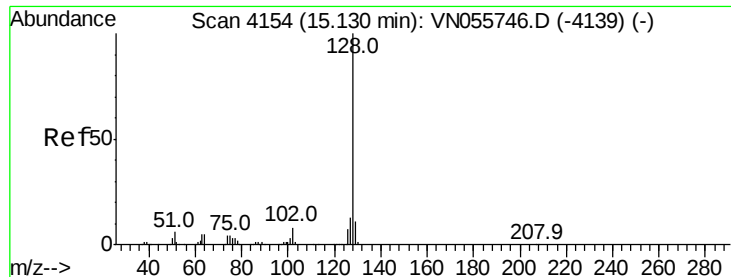
#94
 Hexachlorobutadiene
 Concen: 51.729 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055865.D
 Acq: 29 May 2019 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	30.9	92.7	
227	63.9	31.6	94.7	



Abundance Ion 224.70 (224.40 to 225.40): V
 100000 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 52.758 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Instrument :

MSVOA_N

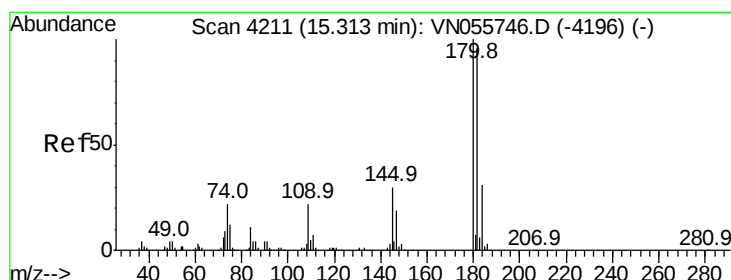
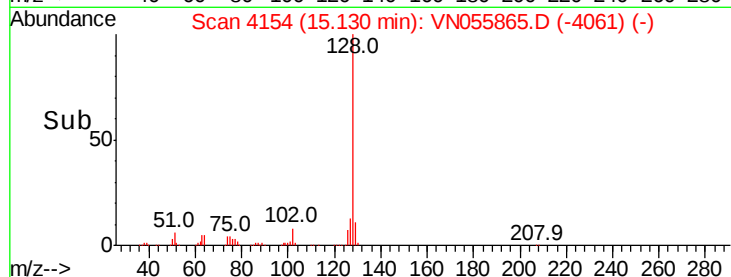
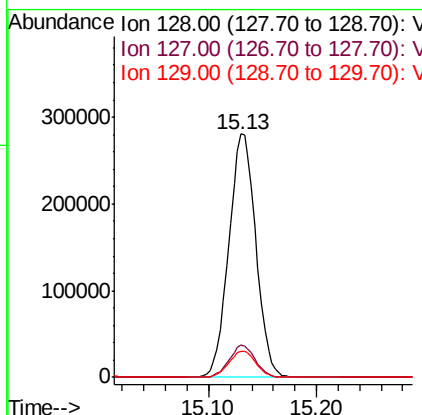
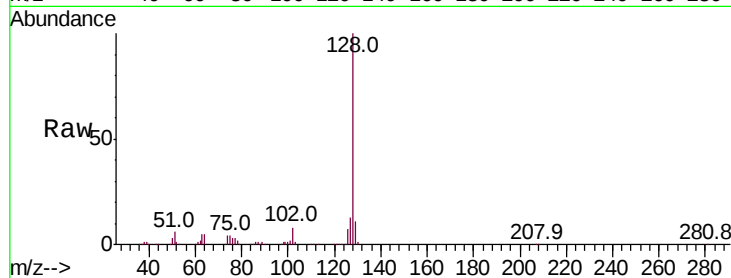
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	490829
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.7	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 54.069 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055865.D

Acq: 29 May 2019 9:49

Tgt Ion:	180	Resp:	193779
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.9	143.7
145	29.5	14.9	44.7

