

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055804.D
 Acq On : 24 May 2019 18:38
 Operator : JC/SP
 Sample : VN0524WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:36:05 AM

Quant Time: May 25 05:13:21 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	357642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	528005	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	465729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	194576	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	183859	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	7.59	113	167194	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.09	98	631428	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.40	95	212473	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	43526	18.083	ug/l	97
3) Chloromethane	2.06	50	64580	19.150	ug/l	100
4) Vinyl Chloride	2.18	62	70265	19.535	ug/l	99
5) Bromomethane	2.54	94	49712	22.091	ug/l	98
6) Chloroethane	2.69	64	44556	20.574	ug/l	99
7) Trichlorofluoromethane	3.01	101	92628	19.642	ug/l	99
8) Diethyl Ether	3.40	74	42385	20.053	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	56712	19.265	ug/l	99
10) Methyl Iodide	3.94	142	88123	20.476	ug/l	100
11) Tert butyl alcohol	4.82	59	70027	99.231	ug/l	99
12) 1,1-Dichloroethene	3.72	96	59786	19.656	ug/l	96
13) Acrolein	3.60	56	42053	83.223	ug/l	96
14) Allyl chloride	4.31	41	96494	18.506	ug/l	99
15) Acrylonitrile	4.99	53	163857	101.118	ug/l	100
16) Acetone	3.82	43	131977	81.289	ug/l	99
17) Carbon Disulfide	4.04	76	154731	17.905	ug/l	100
18) Methyl Acetate	4.33	43	70827	20.718	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	203586	20.069	ug/l	98
20) Methylene Chloride	4.54	84	70439	20.033	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	64363	19.697	ug/l	96
22) Diisopropyl ether	5.96	45	198818	19.604	ug/l	98
23) Vinyl Acetate	5.90	43	844324	97.102	ug/l	99
24) 1,1-Dichloroethane	5.84	63	115294	19.526	ug/l	98
25) 2-Butanone	6.84	43	213405	94.118	ug/l	99
26) 2,2-Dichloropropane	6.82	77	80318	15.717	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	76140	19.972	ug/l	97
28) Bromochloromethane	7.19	49	58124	20.675	ug/l	96
29) Tetrahydrofuran	7.22	42	145347	101.224	ug/l	99
30) Chloroform	7.37	83	116817	19.837	ug/l	100
31) Cyclohexane	7.65	56	105633	19.055	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	102373	19.482	ug/l	99
36) 1,1-Dichloropropene	7.79	75	86807	18.866	ug/l	99
37) Ethyl Acetate	6.93	43	88449	19.889	ug/l	100
38) Carbon Tetrachloride	7.77	117	89801	18.736	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	103498	18.164	ug/l	97
40) Benzene	8.04	78	273659	19.734	ug/l	100
41) Methacrylonitrile	7.18	41	40027	17.816	ug/l	97
42) 1,2-Dichloroethane	8.12	62	89318	19.711	ug/l	100
43) Isopropyl Acetate	8.17	43	143239	19.170	ug/l #	91
44) Trichloroethene	8.83	130	77261	19.985	ug/l	98
45) 1,2-Dichloropropane	9.12	63	70104	19.403	ug/l	99
46) Dibromomethane	9.21	93	47480	20.038	ug/l	97
47) Bromodichloromethane	9.40	83	92409	19.019	ug/l	99
48) Methyl methacrylate	9.20	41	69023	20.043	ug/l	97
49) 1,4-Dioxane	9.20	88	27623	385.996	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	435313	98.643	ug/l	99
52) Toluene	10.16	92	173711	19.917	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	93349	17.999	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	107069	18.635	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	69080	19.771	ug/l	98
56) Ethyl methacrylate	10.43	69	105554	19.547	ug/l	98
57) 1,3-Dichloropropane	10.71	76	113072	19.909	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	187793	91.002	ug/l	99
59) 2-Hexanone	10.75	43	302853	96.739	ug/l	100
60) Dibromochloromethane	10.90	129	77918	19.143	ug/l	100
61) 1,2-Dibromoethane	11.00	107	72690	20.057	ug/l	99
64) Tetrachloroethene	10.63	164	81959	20.865	ug/l	99
65) Chlorobenzene	11.43	112	185071	19.850	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	70934	19.076	ug/l	98
67) Ethyl Benzene	11.51	91	326244	19.513	ug/l	99
68) m/p-Xylenes	11.62	106	252283	39.913	ug/l	98
69) o-Xylene	11.95	106	125329	19.985	ug/l	99
70) Styrene	11.96	104	199741	19.668	ug/l	100
71) Bromoform	12.13	173	59773	18.846	ug/l #	99
73) Isopropylbenzene	12.25	105	326629	22.111	ug/l	100
74) N-amyl acetate	12.07	43	113915	20.265	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	96993	21.793	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	86776m	24.280	ug/l	
77) Bromobenzene	12.53	156	85633	20.624	ug/l	97
78) n-propylbenzene	12.59	91	333473	19.719	ug/l	99
79) 2-Chlorotoluene	12.67	91	208145	21.392	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	265517	21.322	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	25559	17.674	ug/l	96
82) 4-Chlorotoluene	12.77	91	197415	19.859	ug/l	100
83) tert-Butylbenzene	12.99	119	237030	21.832	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	263044	21.270	ug/l	99
85) sec-Butylbenzene	13.17	105	294907	21.152	ug/l	99
86) p-Isopropyltoluene	13.29	119	268434	19.866	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	131804	20.048	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	124615	19.936	ug/l	99
89) n-Butylbenzene	13.61	91	188265	18.184	ug/l	99
90) Hexachloroethane	13.87	117	48041	18.679	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	133088	20.290	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16613	19.269	ug/l	99

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QLast Update : Fri May 24 06:41:54 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	59703	18.306	ug/l	100
94) Hexachlorobutadiene	15.01	225	49510	20.365	ug/l	98
95) Naphthalene	15.13	128	164478	18.274	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	66582	19.203	ug/l	100

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

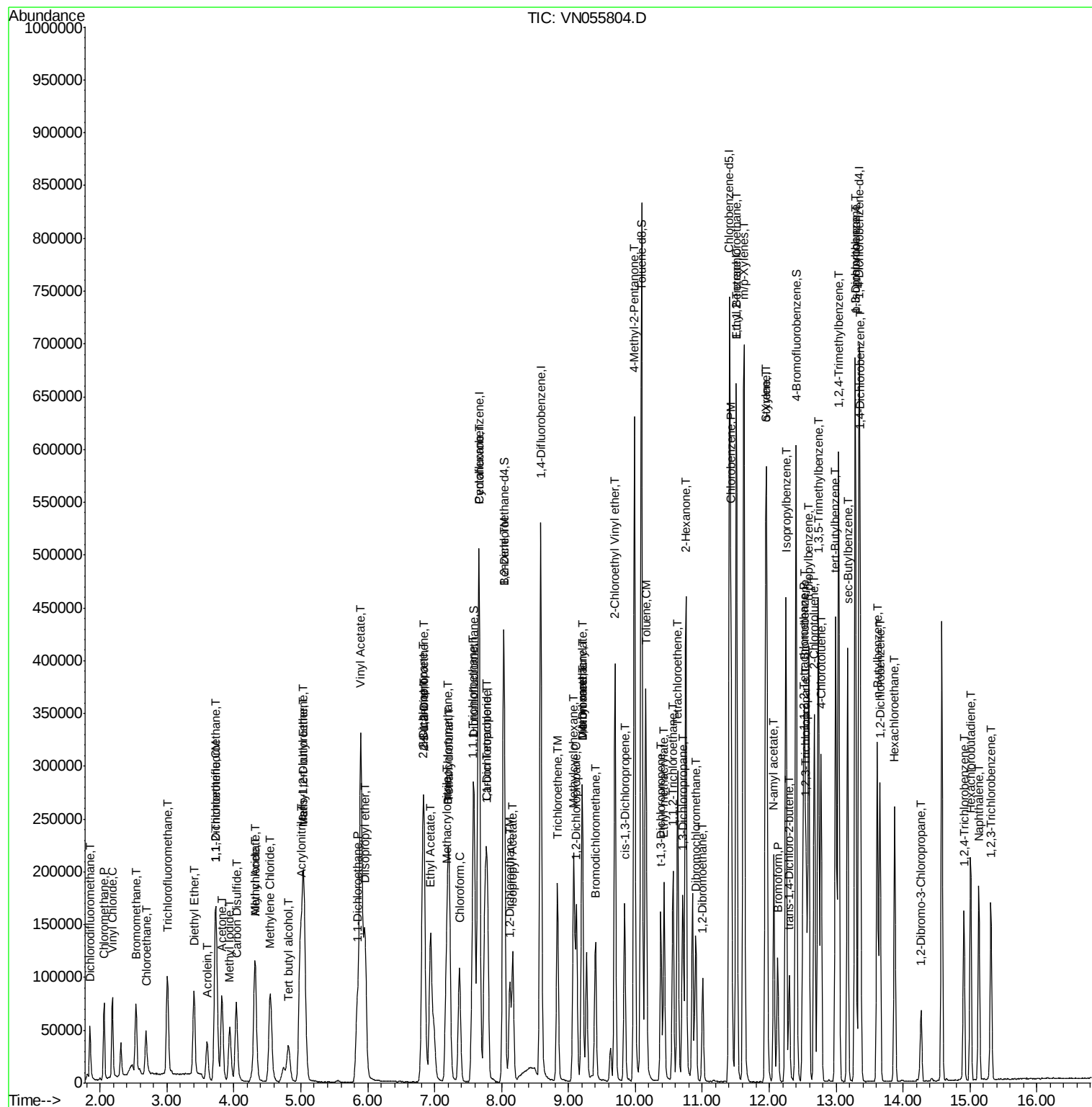
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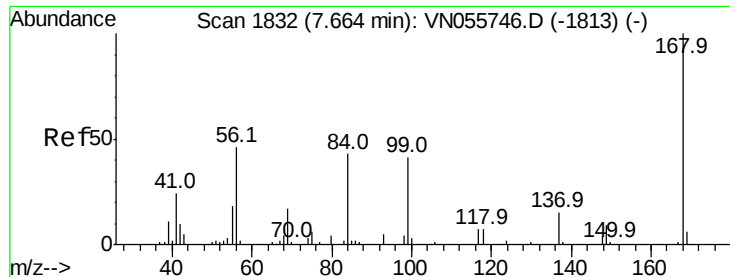
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

Tot Ion:168 Resp: 357642

Ion Ratio Lower Upper

168 100

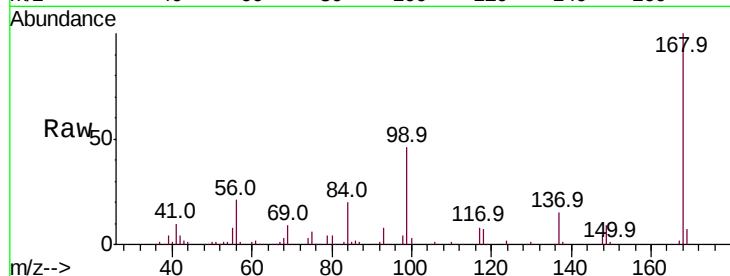
99 45.0 37.2 55.8

Manual Integrations

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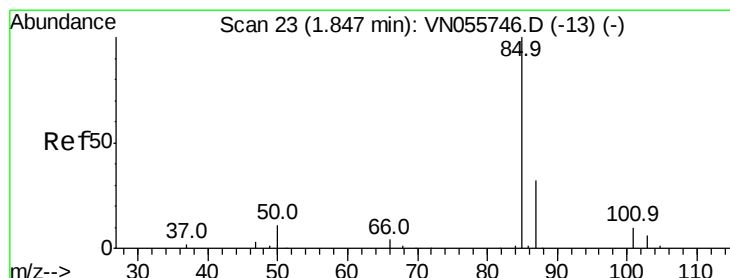
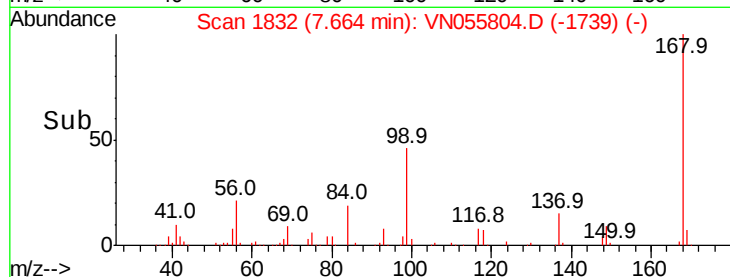
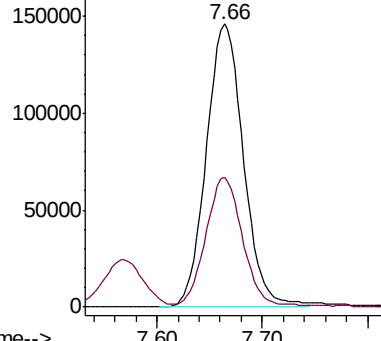
MMDadoda

5/28/2019 10:36:05 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.083 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055804.D

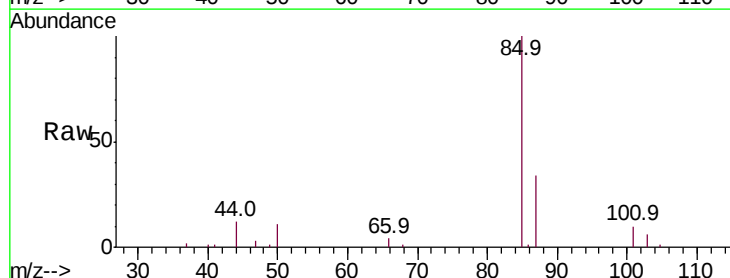
Acq: 24 May 2019 18:38

Tgt Ion: 85 Resp: 43526

Ion Ratio Lower Upper

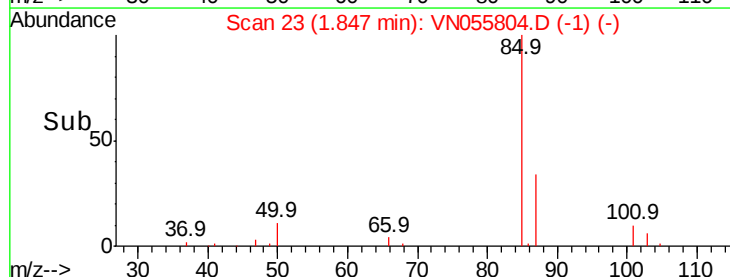
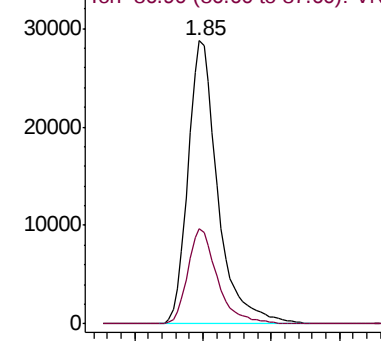
85 100

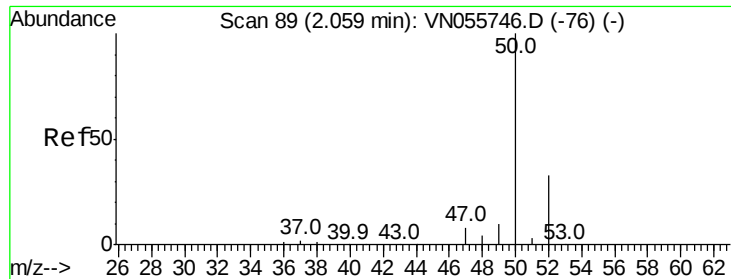
87 33.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.150 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

Tot Ion: 50 Resp: 64580

Ion Ratio Lower Upper

50 100

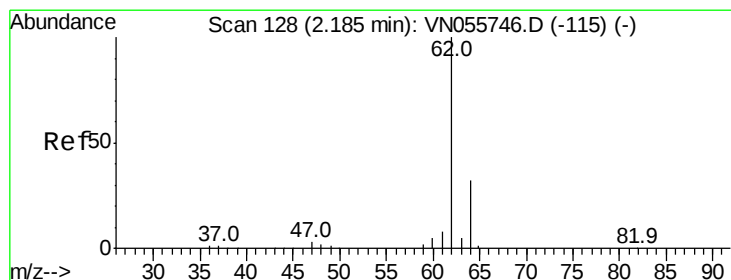
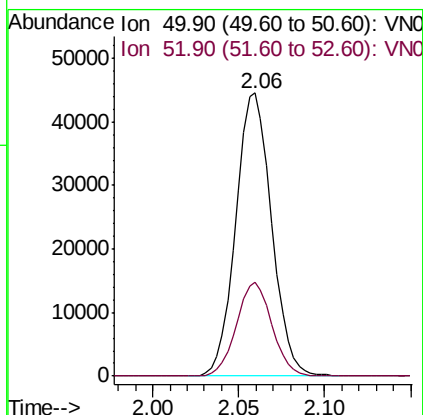
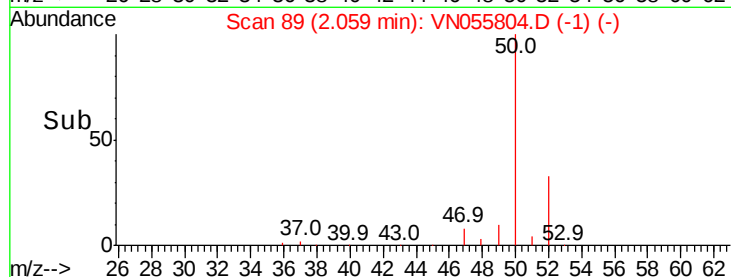
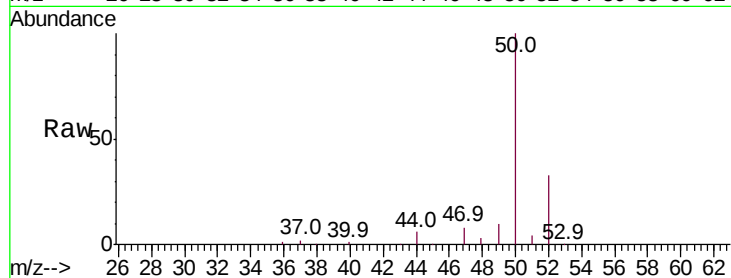
52 33.1 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.535 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055804.D

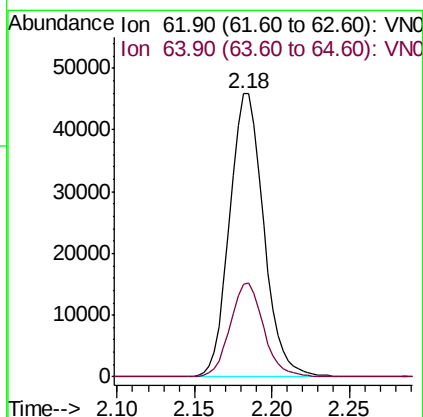
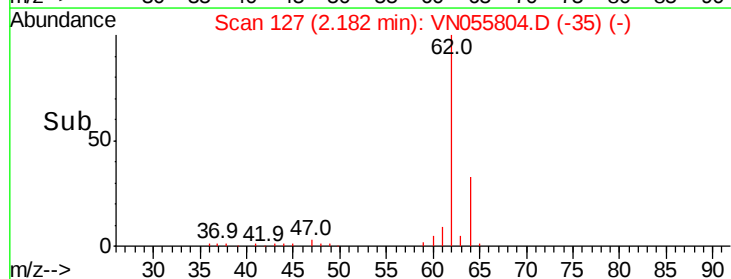
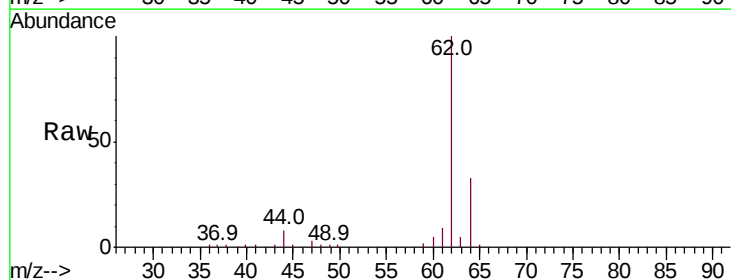
Acq: 24 May 2019 18:38

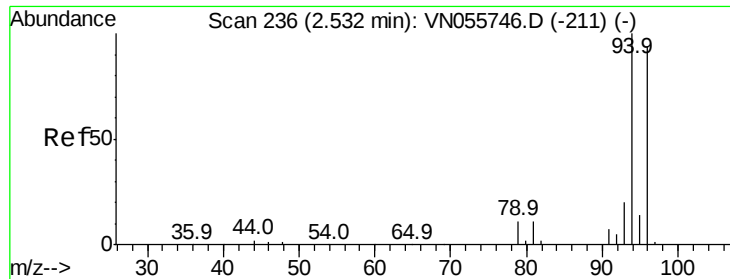
Tgt Ion: 62 Resp: 70265

Ion Ratio Lower Upper

62 100

64 32.7 25.6 38.4





#5

Bromomethane

Concen: 22.091 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

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Tot Ion: 94 Resp: 49712

Ion Ratio Lower Upper

94 100

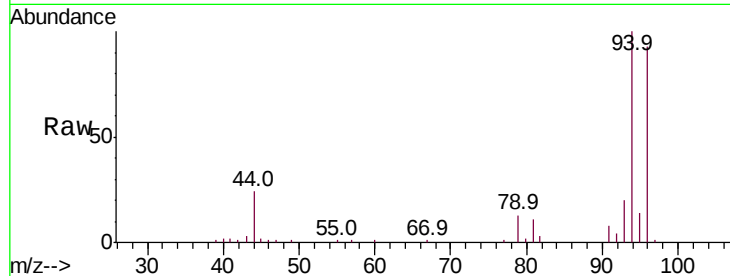
96 92.5 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.54

25000

20000

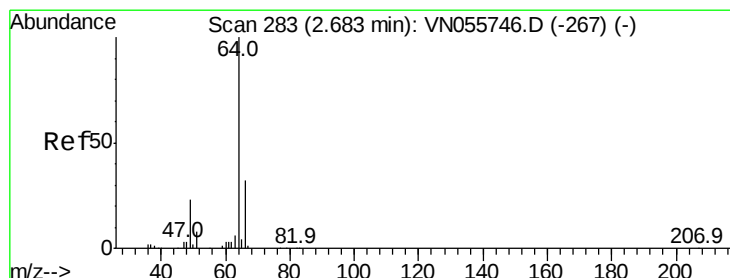
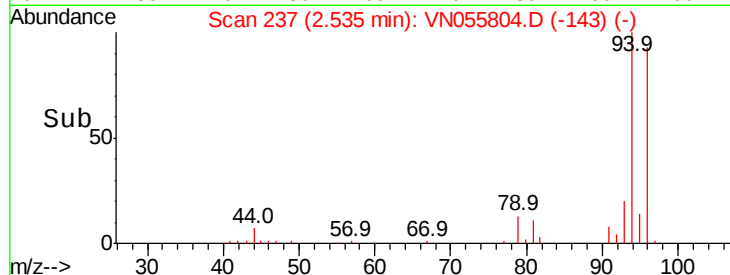
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.574 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN055804.D

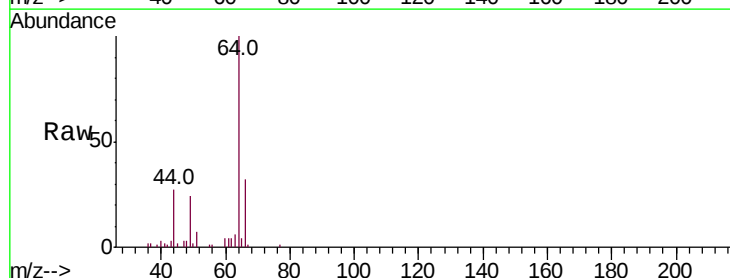
Acq: 24 May 2019 18:38

Tgt Ion: 64 Resp: 44556

Ion Ratio Lower Upper

64 100

66 32.0 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

2.69

20000

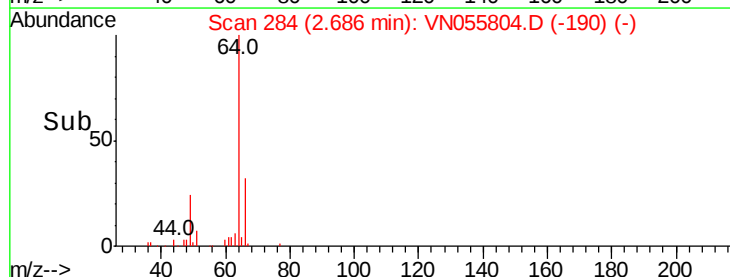
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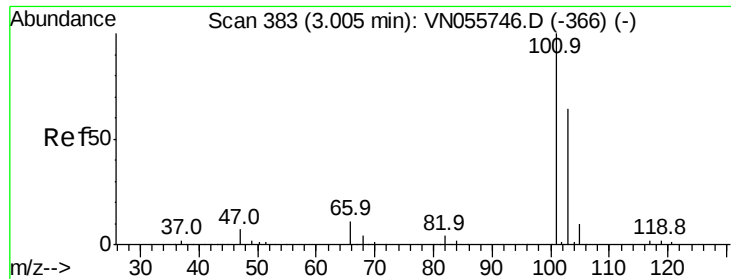
10000

5000

0

Time-->





#7

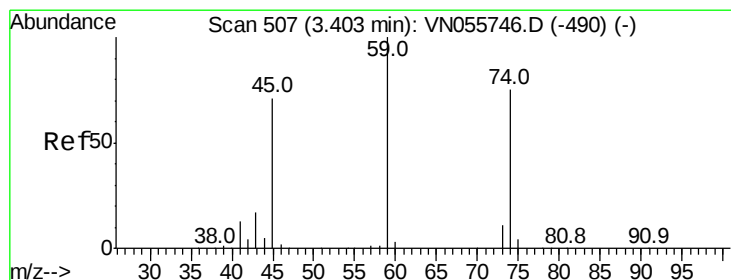
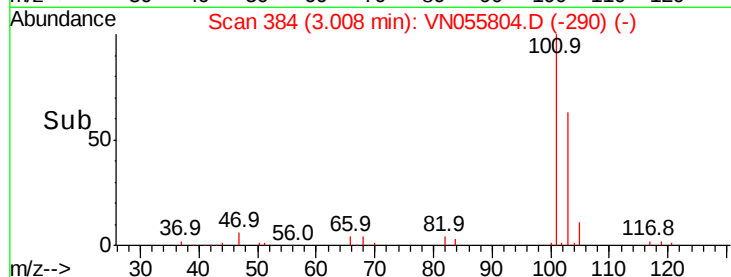
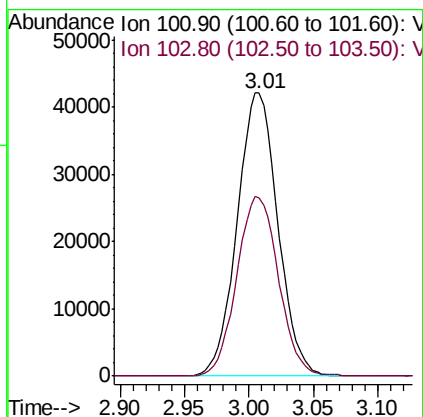
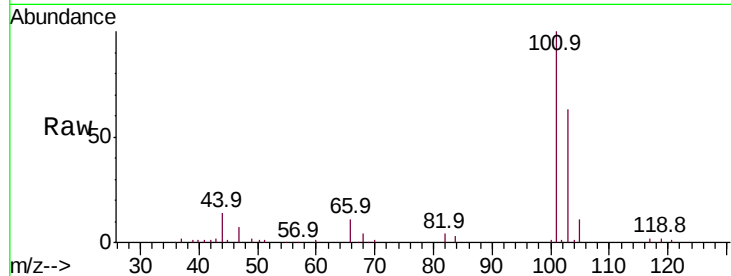
Trichlorofluoromethane
 Concen: 19.642 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

Instrument :
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Tot Ion:101 Resp: 92628
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.2 76.8

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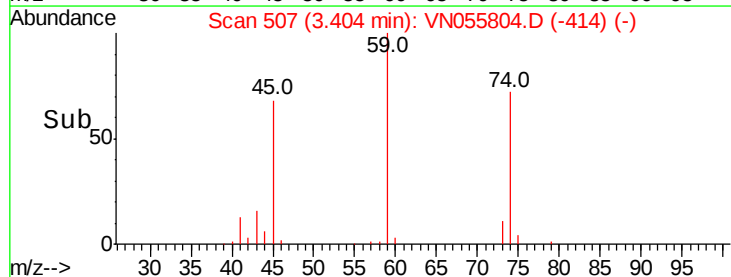
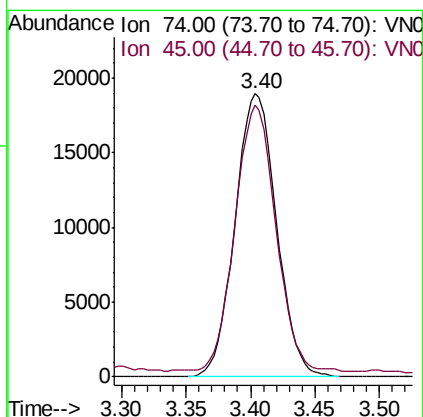
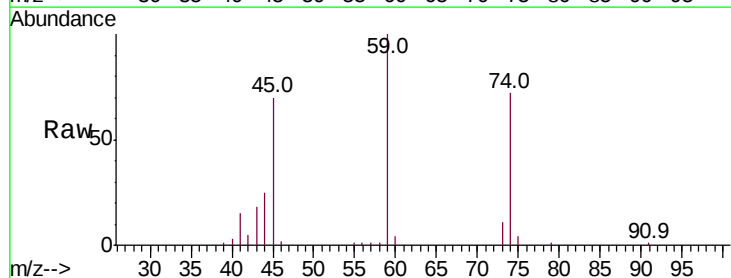
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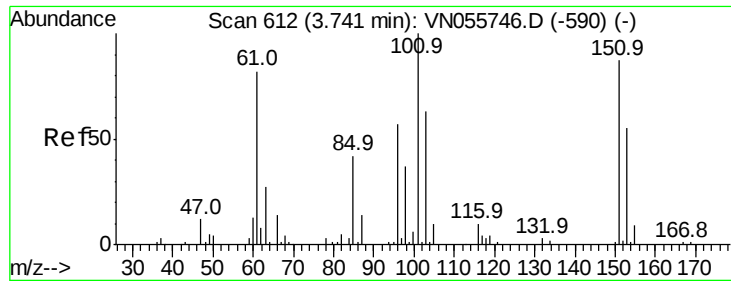


#8

Diethyl Ether
 Concen: 20.053 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055804.D
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Tgt Ion: 74 Resp: 42385
 Ion Ratio Lower Upper
 74 100
 45 91.1 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.265 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

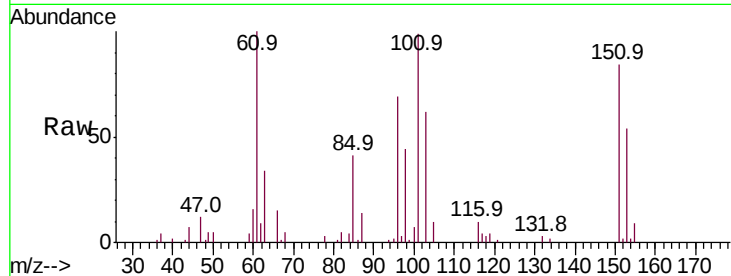
ClientSampleID :

VN0524WBSD02

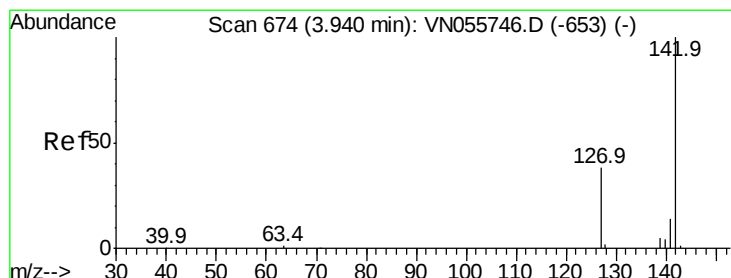
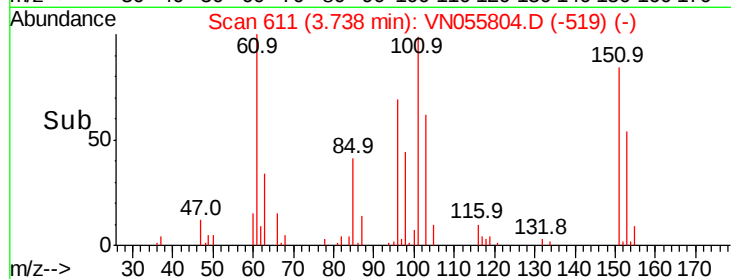
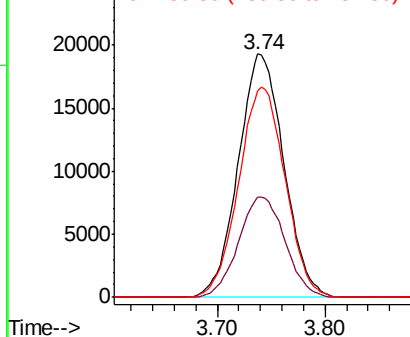
Tot Ion:101 Resp: 56712
 Ion Ratio Lower Upper
 101 100
 85 42.1 33.4 50.2
 151 87.8 69.4 104.2

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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: 20.476 ug/l

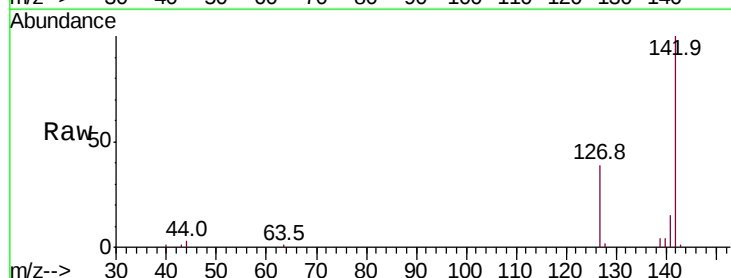
RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

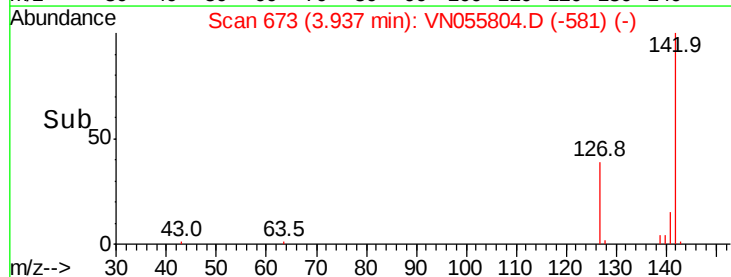
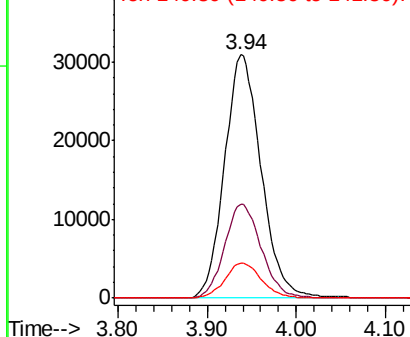
Lab File: VN055804.D

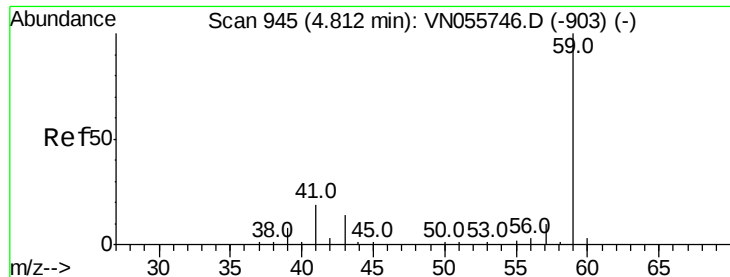
Acq: 24 May 2019 18:38

Tgt Ion:142 Resp: 88123
 Ion Ratio Lower Upper
 142 100
 127 38.5 31.0 46.4
 141 14.4 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





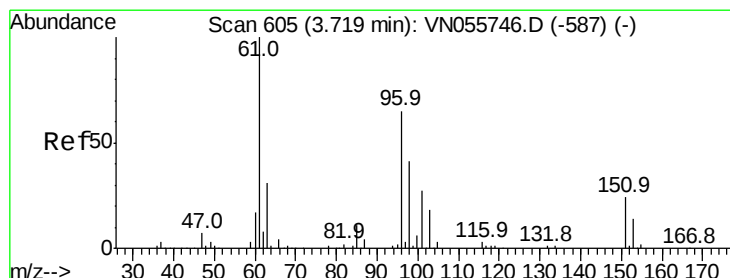
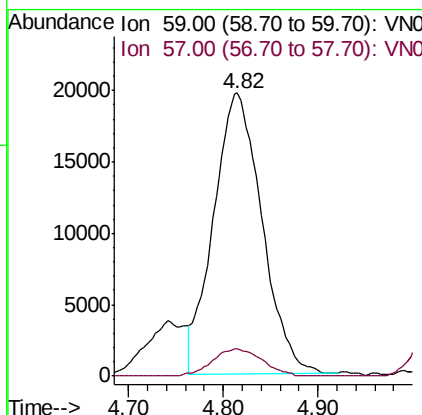
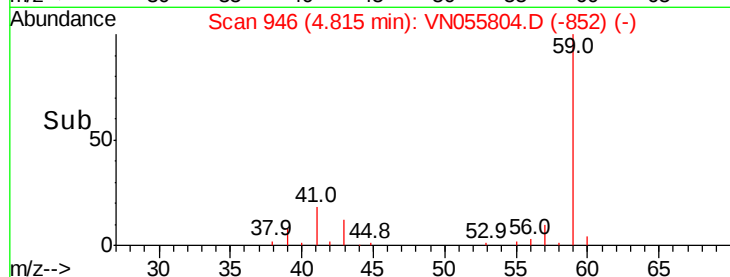
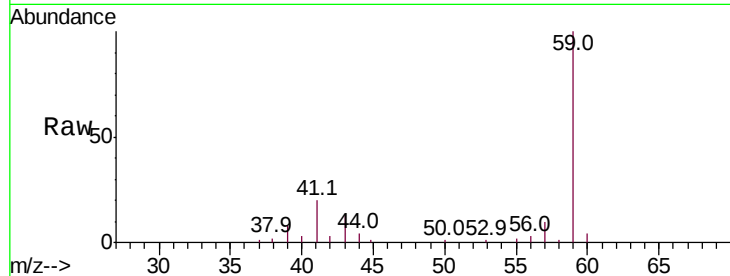
#11
Tert butyl alcohol
Concen: 99.231 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion: 59 Resp: 70027
Ion Ratio Lower Upper
59 100
57 10.1 7.8 11.6

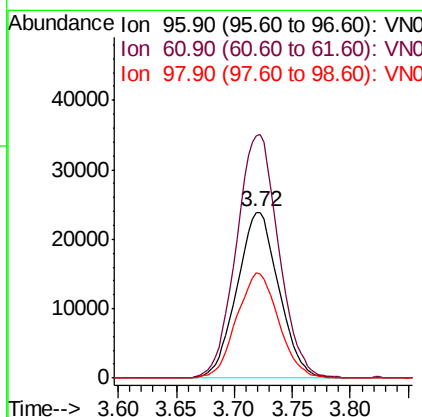
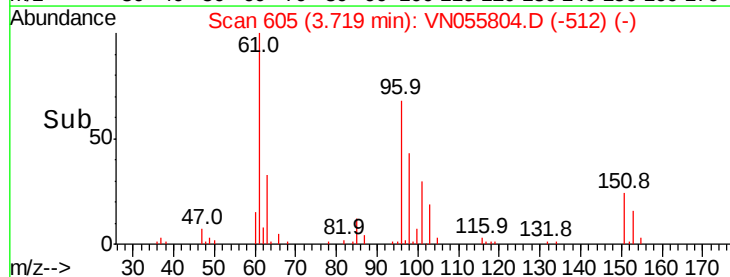
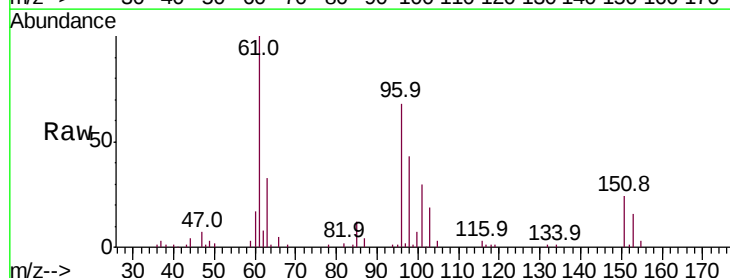
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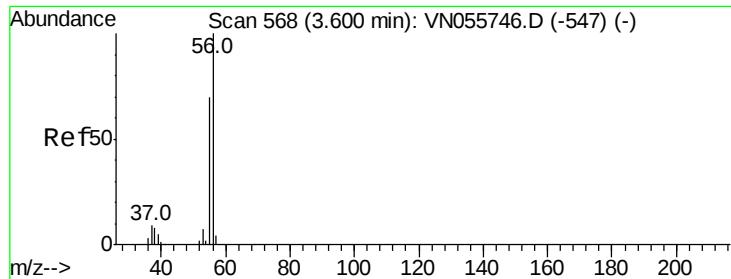
MMDadoda
5/28/2019 10:36:05 AM



#12
1,1-Dichloroethene
Concen: 19.656 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion: 96 Resp: 59786
Ion Ratio Lower Upper
96 100
61 146.1 123.2 184.8
98 63.2 50.4 75.6





#13

Acrolein

Concen: 83.223 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

Tot Ion: 56 Resp: 42053

Ion Ratio Lower Upper

56 100

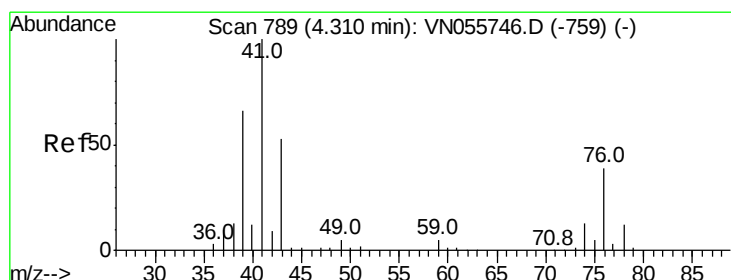
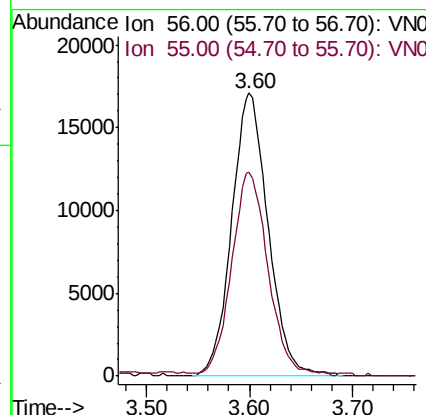
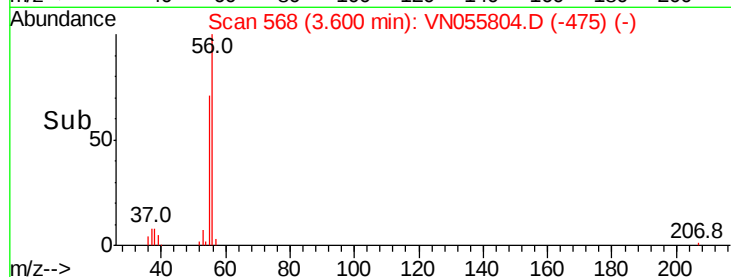
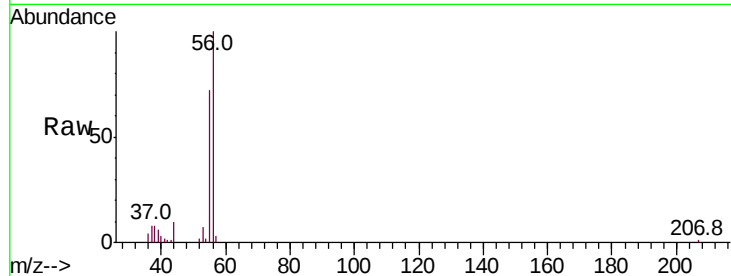
55 72.6 55.4 83.2

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#14

Allyl chloride

Concen: 18.506 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

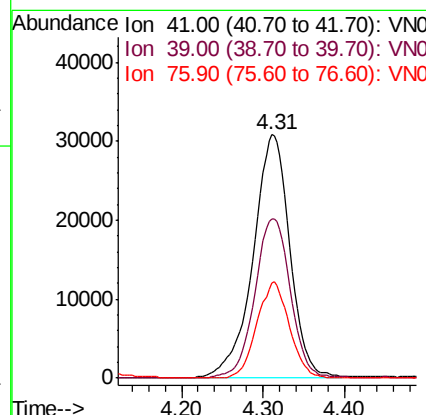
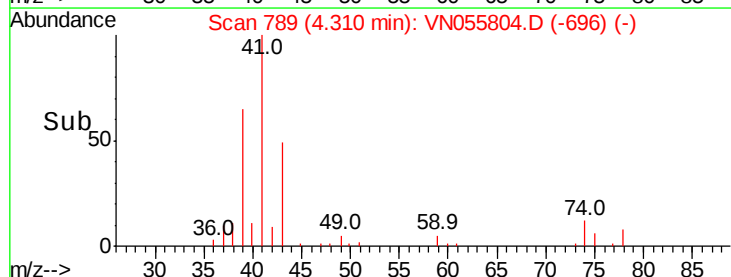
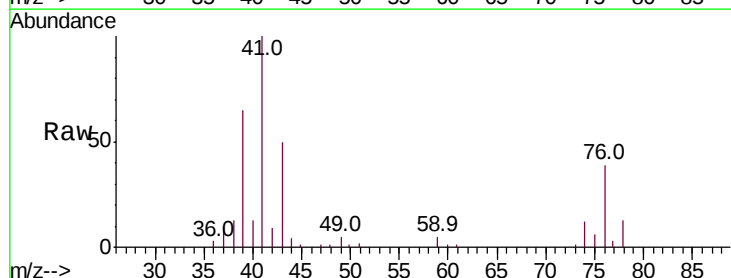
Tgt Ion: 41 Resp: 96494

Ion Ratio Lower Upper

41 100

39 63.3 50.0 75.0

76 34.7 28.2 42.2





#15

Acrylonitrile

Concen: 101.118 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

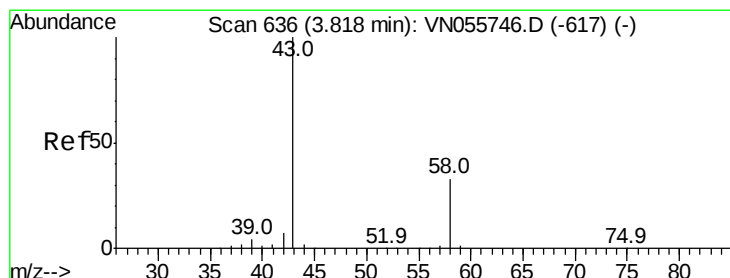
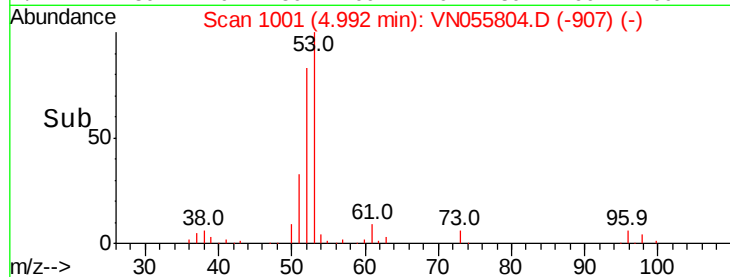
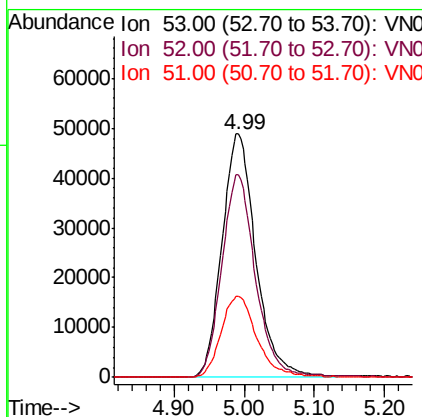
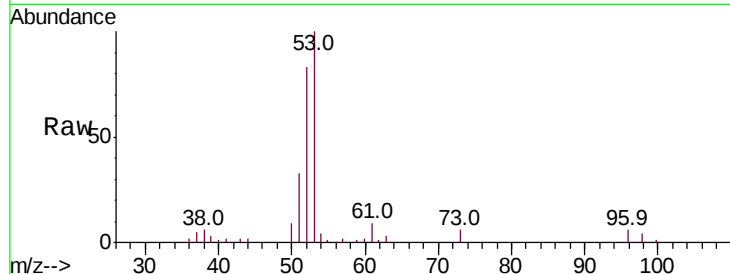
ClientSampleId :

VN0524WBSD02

Tot Ion:	53	Resp:	163857
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.8	98.8
51	35.2	28.2	42.4

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#16

Acetone

Concen: 81.289 ug/l

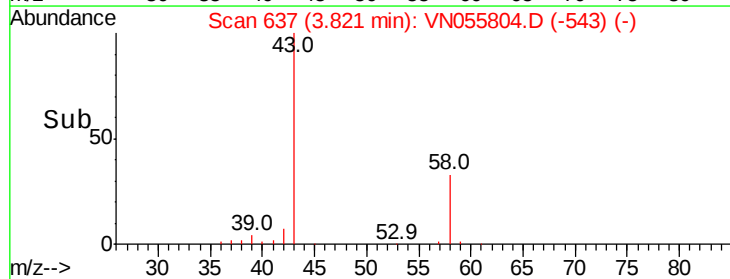
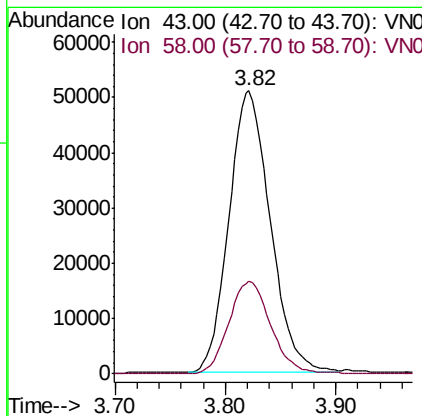
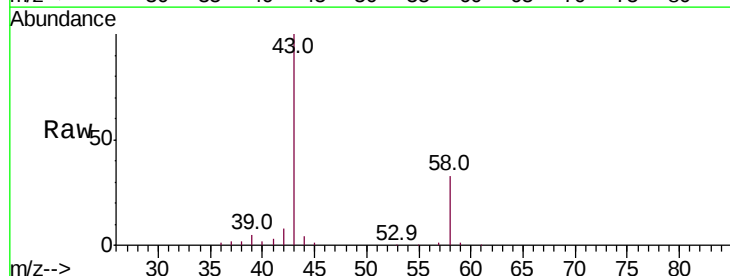
RT: 3.82 min Scan# 637

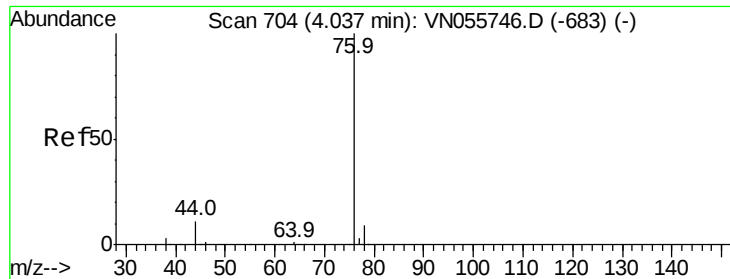
Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Tgt Ion:	43	Resp:	131977
Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.6	39.8





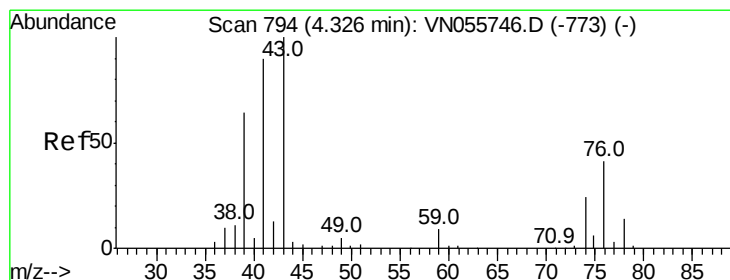
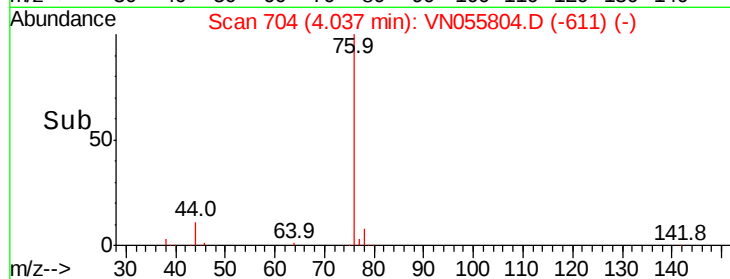
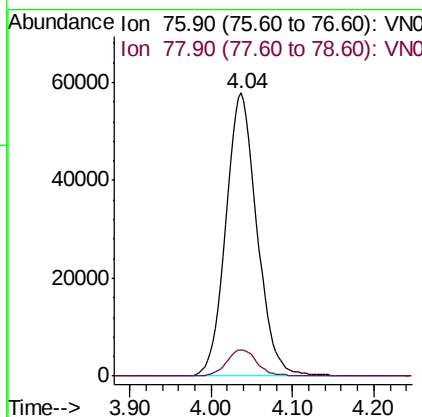
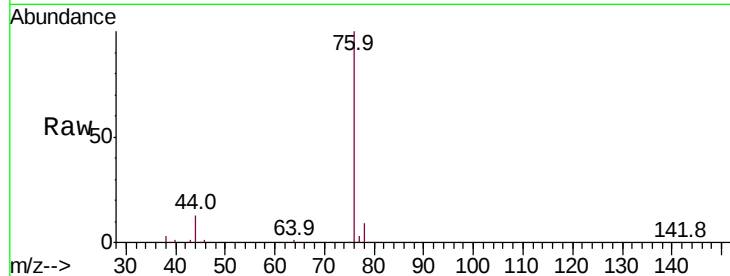
#17
Carbon Disulfide
Concen: 17.905 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

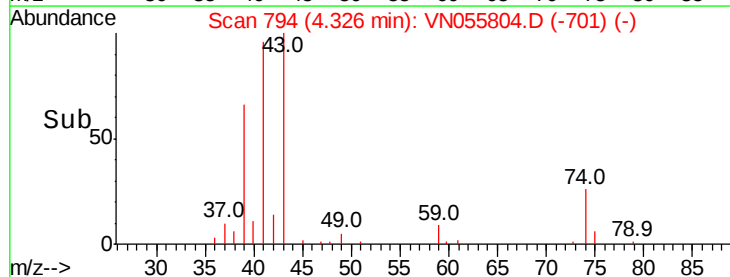
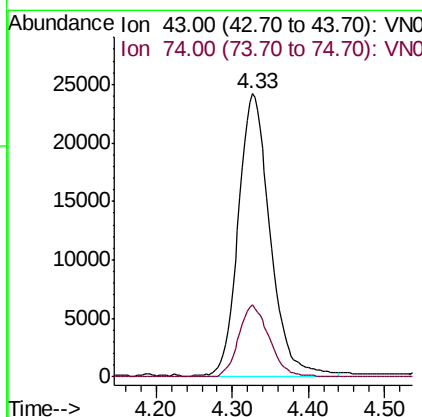
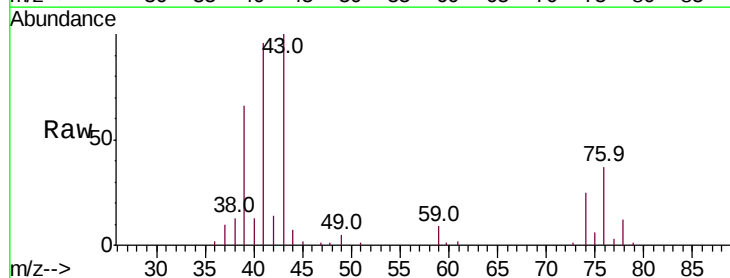
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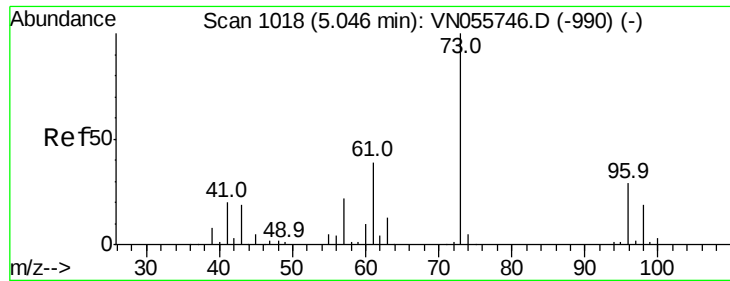
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#18
Methyl Acetate
Concen: 20.718 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.3	28.9





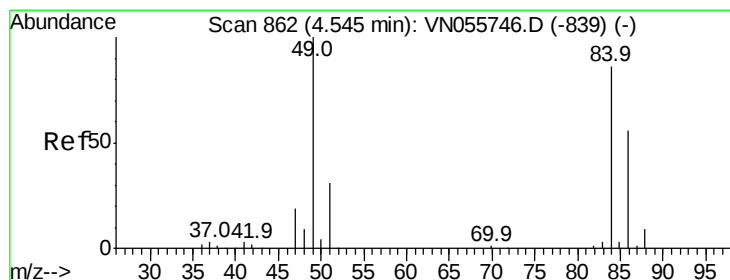
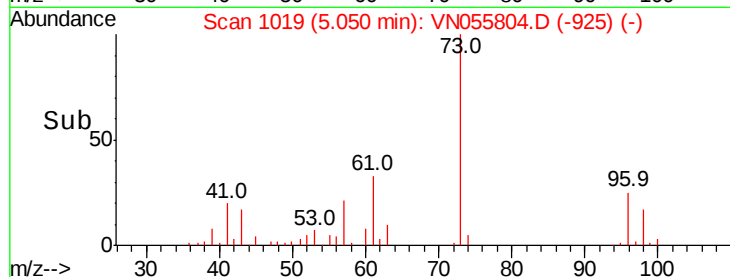
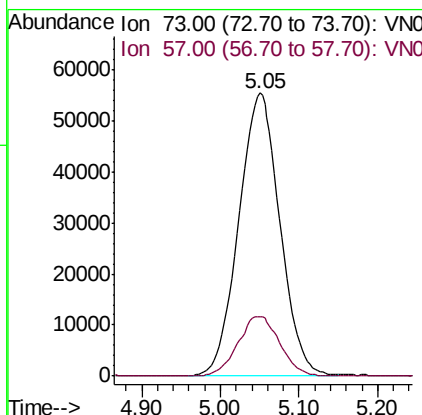
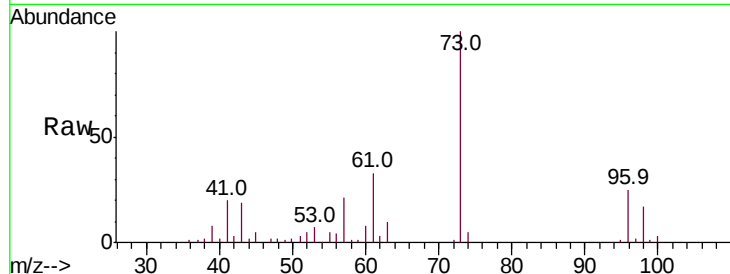
#19
Methvl tert-butvl Ether
Concen: 20.069 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion: 73 Resp: 203586
Ion Ratio Lower Upper
73 100
57 21.2 17.8 26.8

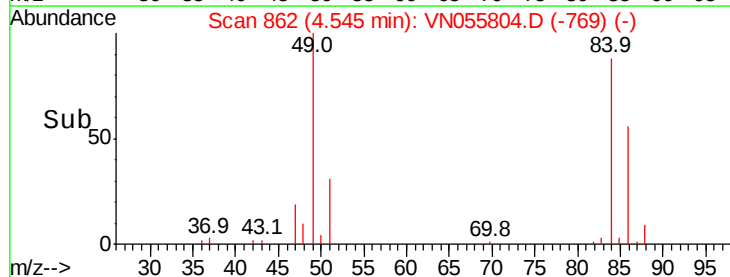
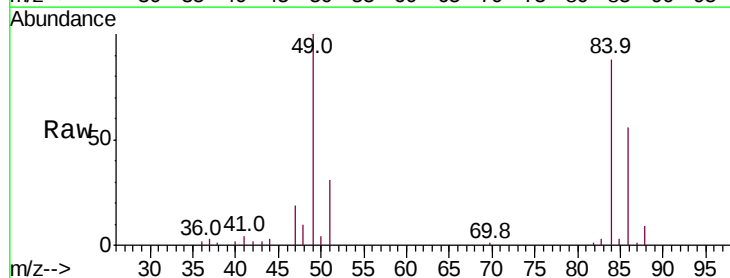
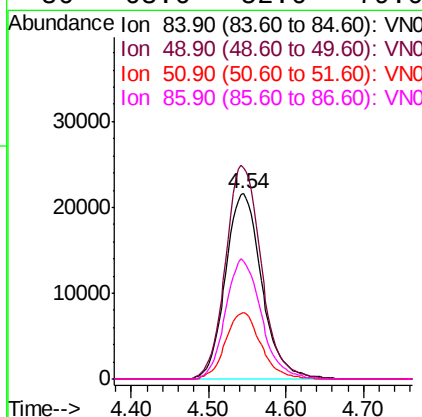
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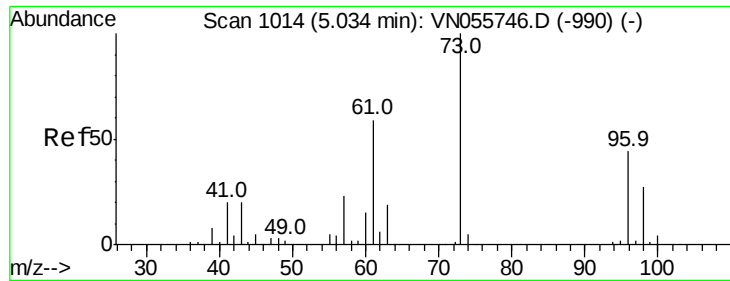
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#20
Methylene Chloride
Concen: 20.033 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion: 84 Resp: 70439
Ion Ratio Lower Upper
84 100
49 114.0 93.5 140.3
51 35.7 28.6 43.0
86 63.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.697 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

Tot Ion: 96 Resp: 64363

Ion Ratio Lower Upper

96 100

61 127.6 107.8 161.8

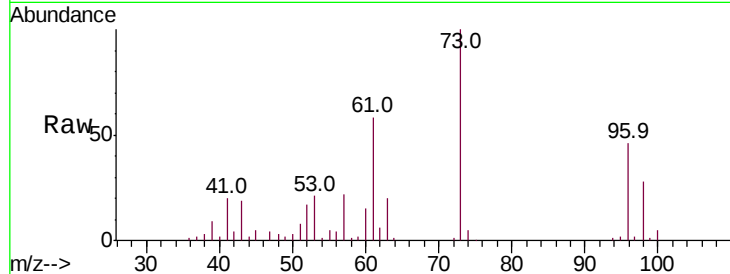
98 62.0 49.8 74.8

Manual Integrations

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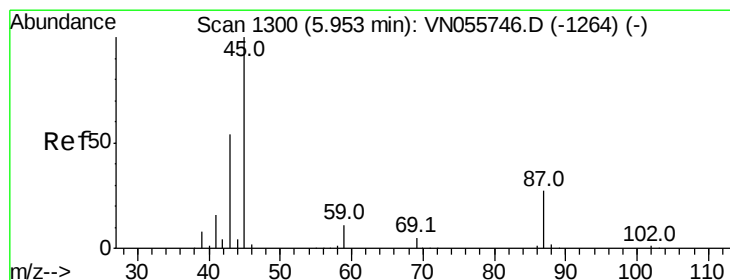
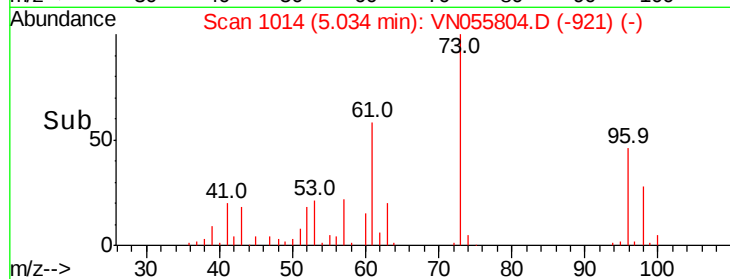
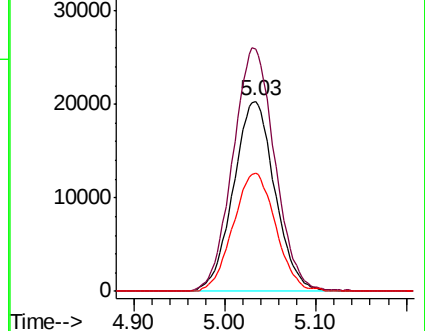
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Abundance Ion 95.90 (95.60 to 96.60): VN055804.D (-1207) (-)

Ion 60.90 (60.60 to 61.60): VN055804.D (-1207) (-)

Ion 97.90 (97.60 to 98.60): VN055804.D (-1207) (-)



#22

Diisopropyl ether

Concen: 19.604 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Tgt Ion: 45 Resp: 198818

Ion Ratio Lower Upper

45 100

43 58.1 45.0 67.6

87 28.4 22.2 33.4

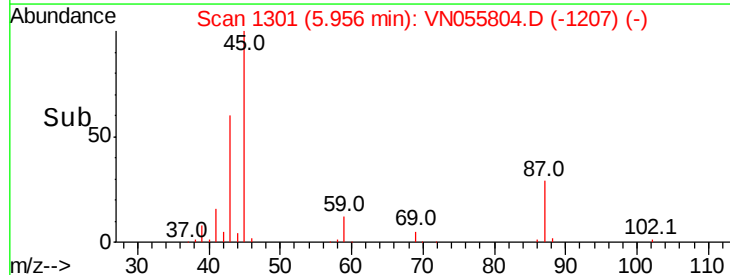
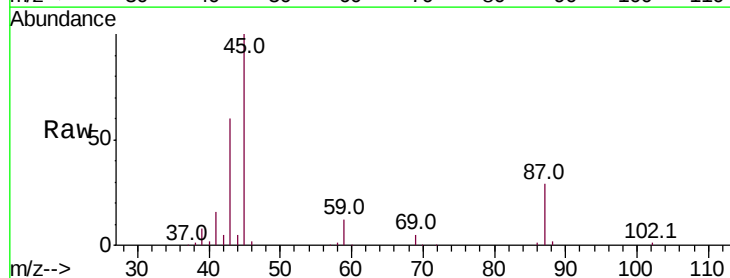
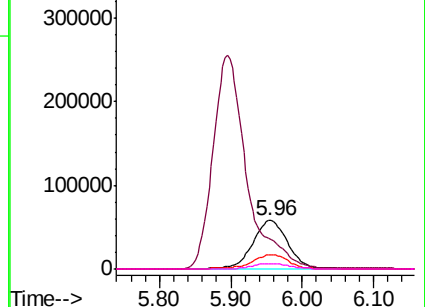
59 11.4 9.1 13.7

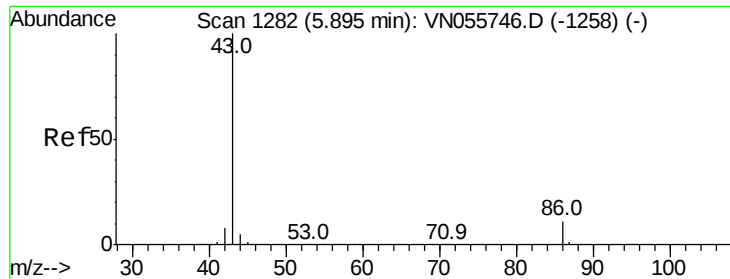
Abundance Ion 45.00 (44.70 to 45.70): VN055804.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN055804.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN055804.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN055804.D (-1207) (-)





#23

Vinyl Acetate

Concen: 97.102 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

Tot Ion: 43 Resp: 844324

Ion Ratio Lower Upper

43 100

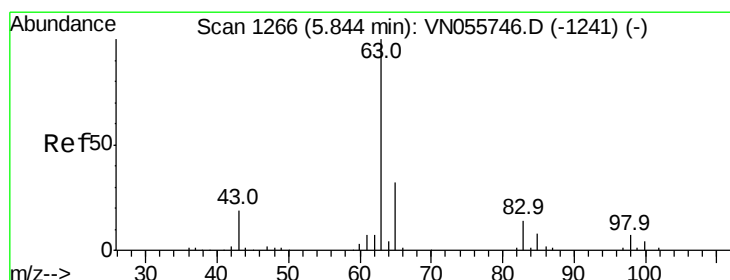
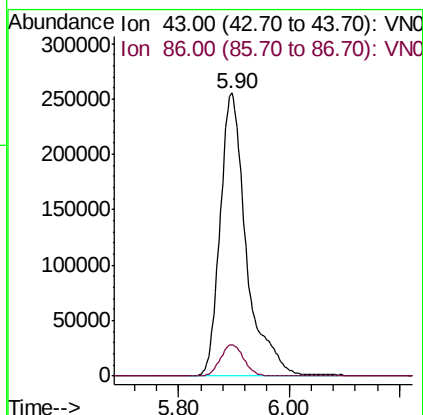
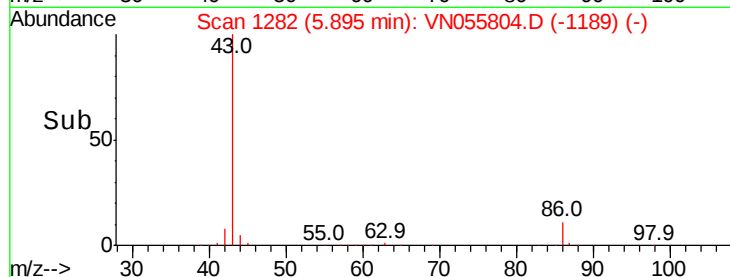
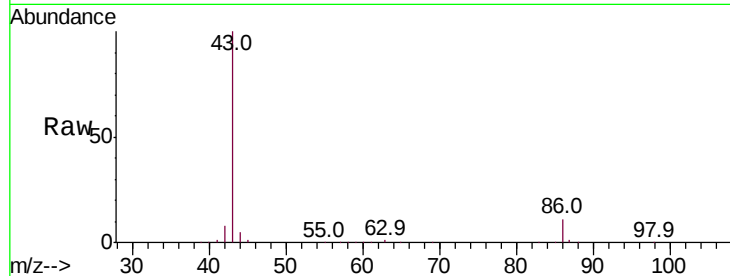
86 11.0 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 19.526 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

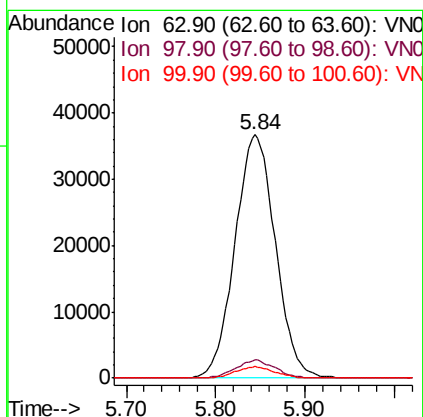
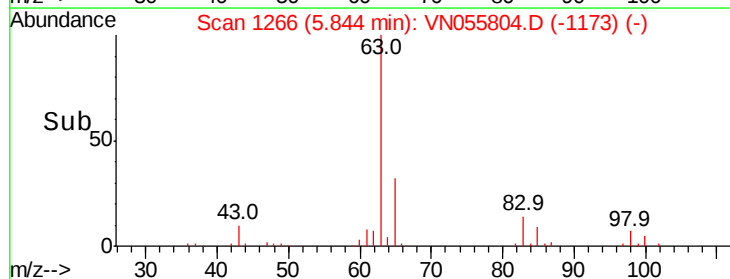
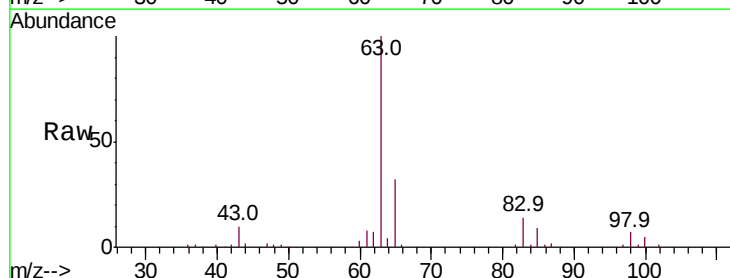
Tgt Ion: 63 Resp: 115294

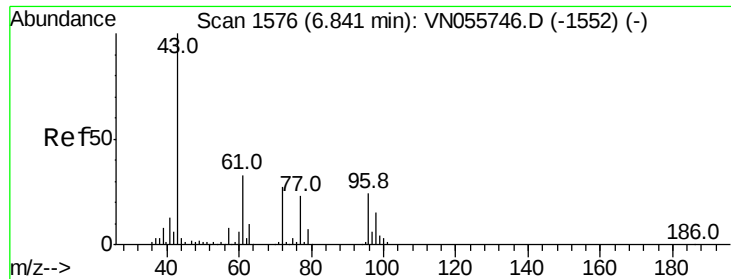
Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

100 4.7 2.2 6.6





#25

2-Butanone

Concen: 94.118 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

Tot Ion: 43 Resp: 213405

Ion Ratio Lower Upper

43 100

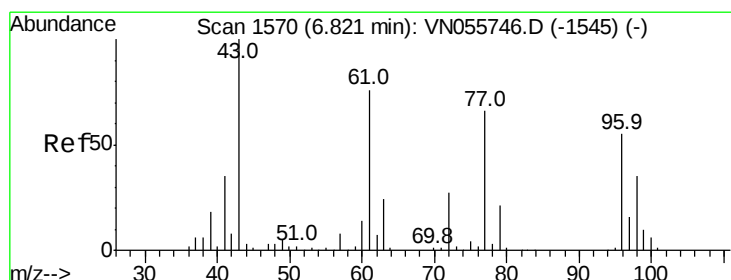
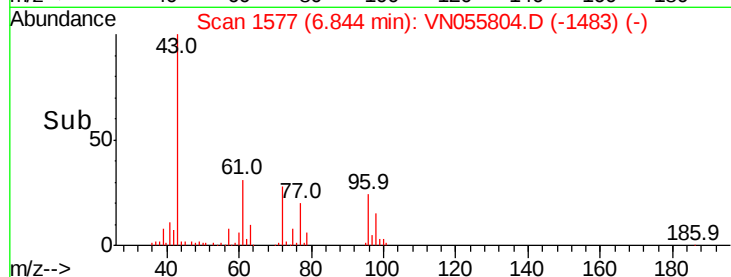
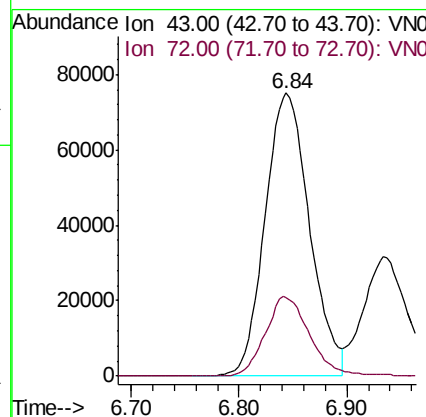
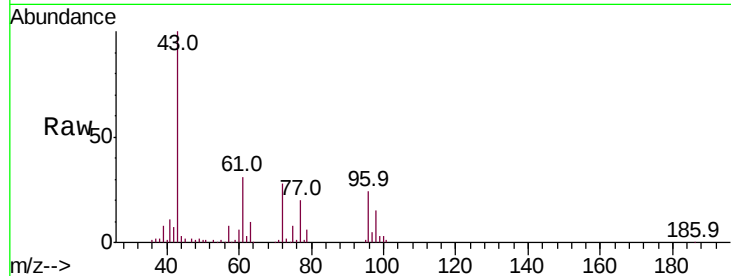
72 27.8 21.9 32.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 15.717 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN055804.D

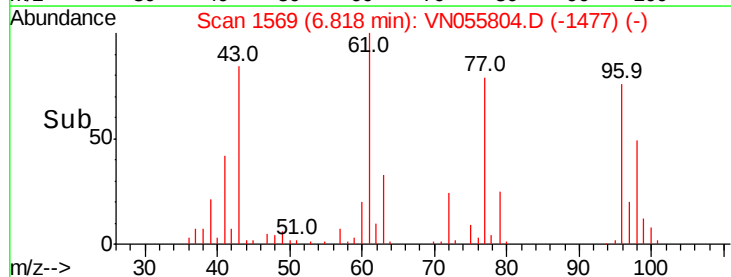
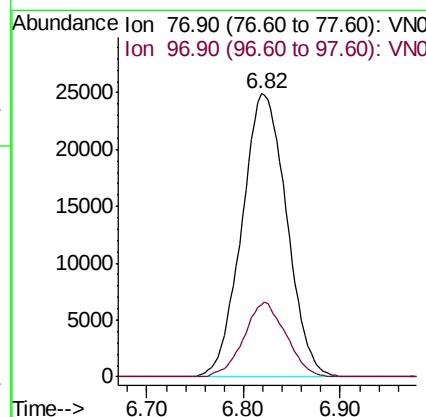
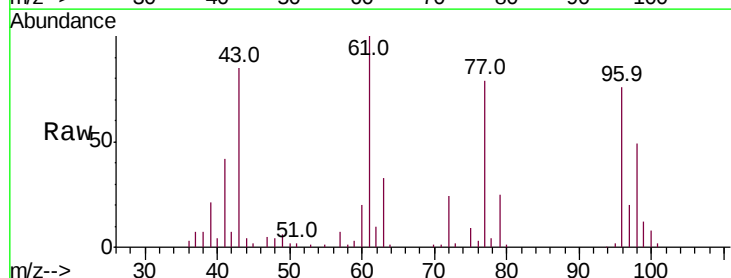
Acq: 24 May 2019 18:38

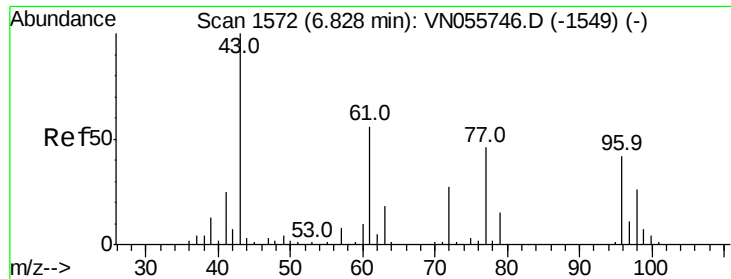
Tgt Ion: 77 Resp: 80318

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.972 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

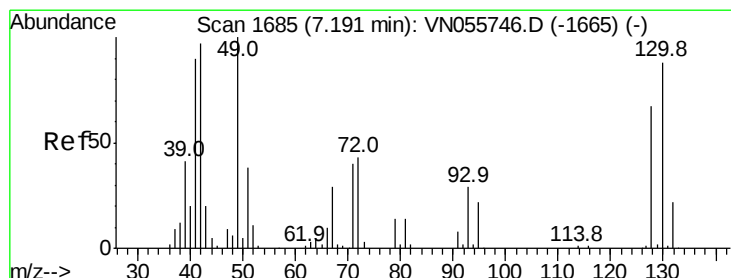
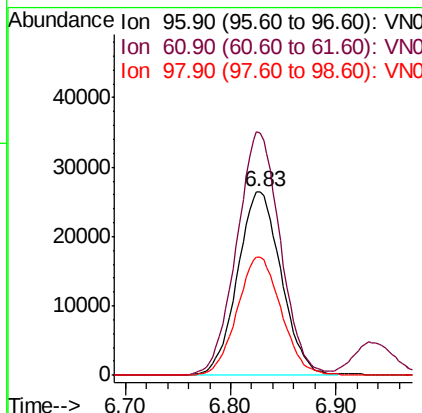
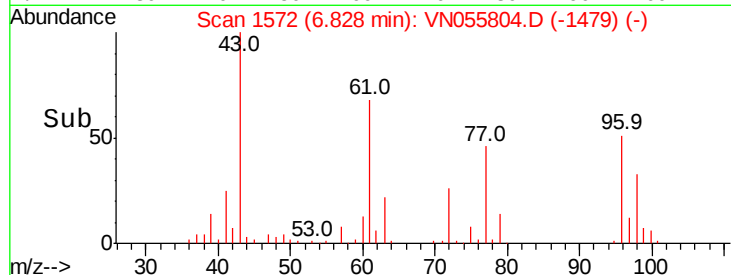
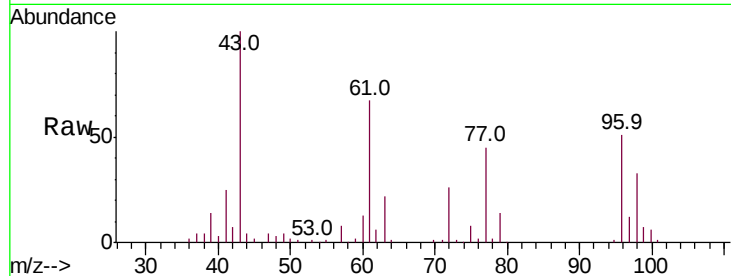
ClientSampleId :

VN0524WBSD02

Tot Ion:	96	Resp:	76140
Ion	Ratio	Lower	Upper
96	100		
61	132.7	0.0	275.8
98	65.1	0.0	128.4

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#28

Bromochloromethane

Concen: 20.675 ug/l

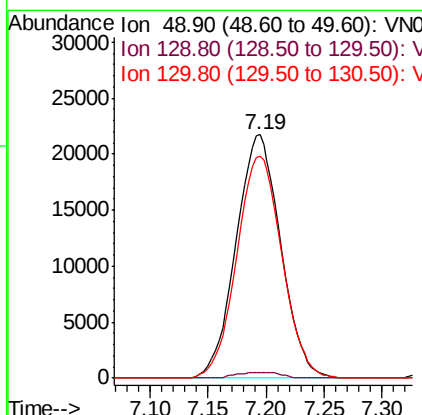
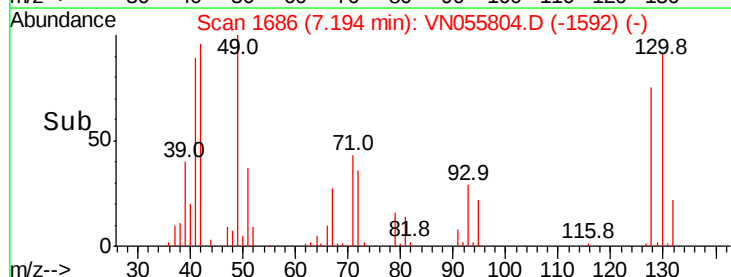
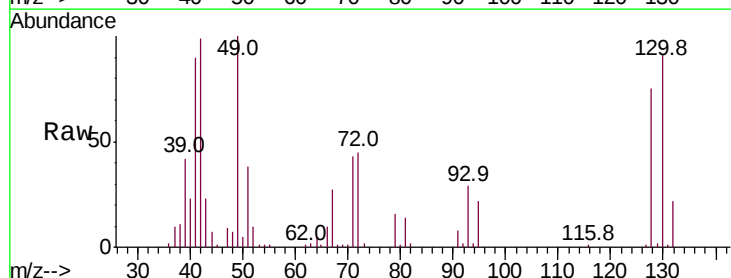
RT: 7.19 min Scan# 1686

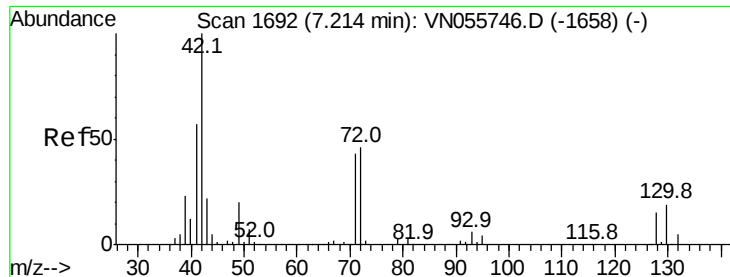
Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Tgt Ion:	49	Resp:	58124
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.4
130	92.4	71.2	106.8





#29

Tetrahydrofuran

Concen: 101.224 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

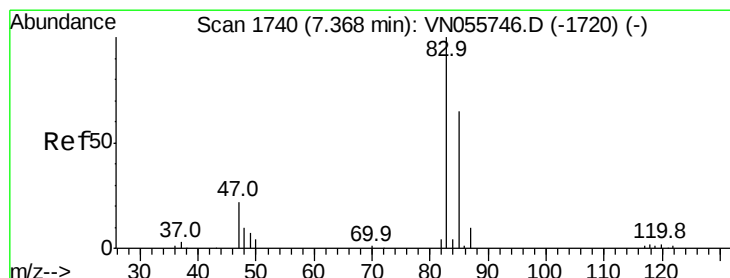
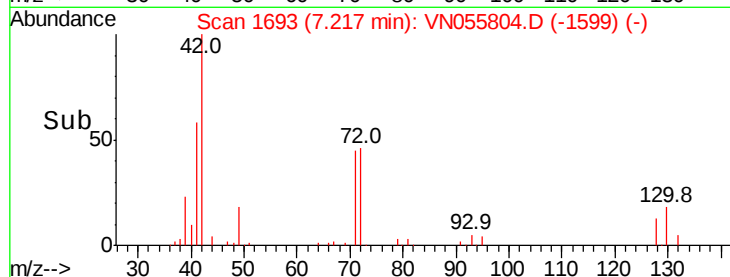
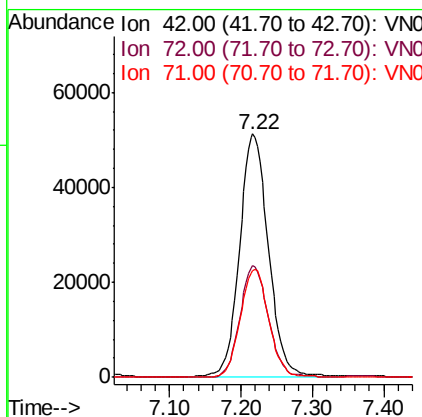
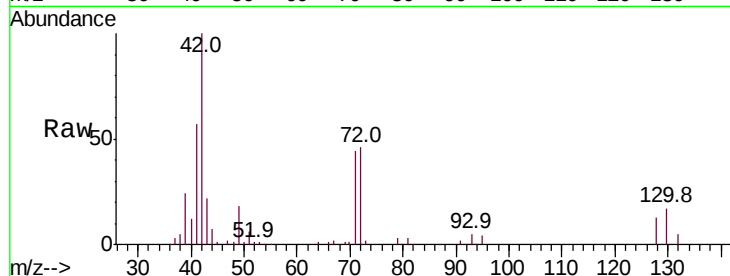
ClientSampleId :

VN0524WBSD02

Tot Ion:	42	Resp:	145347
Ion Ratio	Lower	Upper	
42	100		
72	44.9	35.9	53.9
71	43.7	34.0	51.0

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#30

Chloroform

Concen: 19.837 ug/l

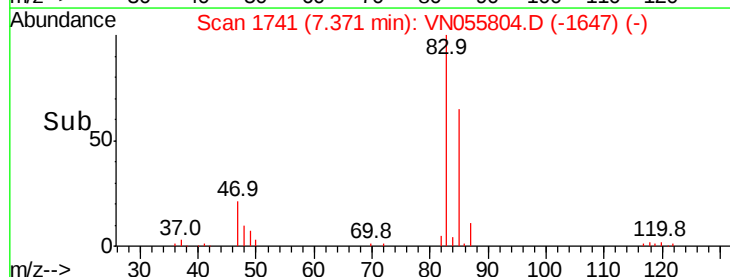
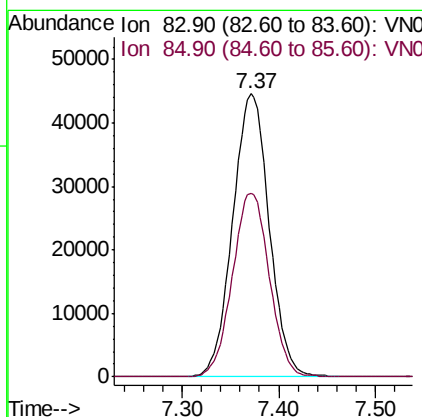
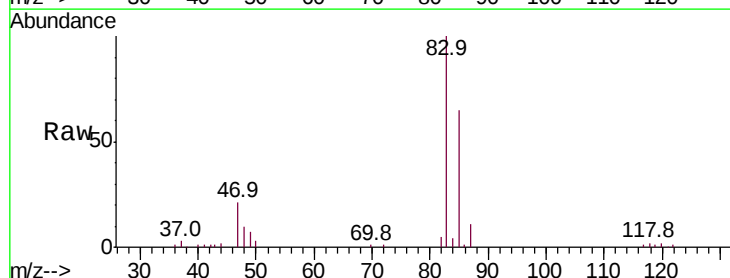
RT: 7.37 min Scan# 1741

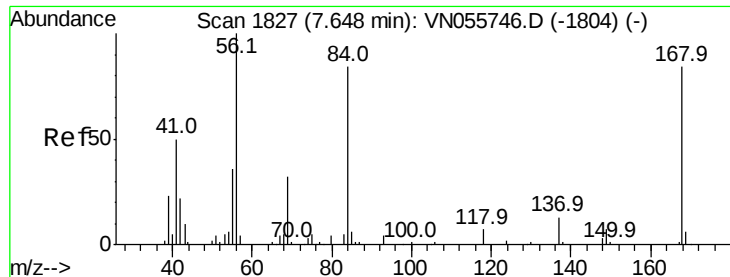
Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Tgt Ion:	83	Resp:	116817
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.8	77.8





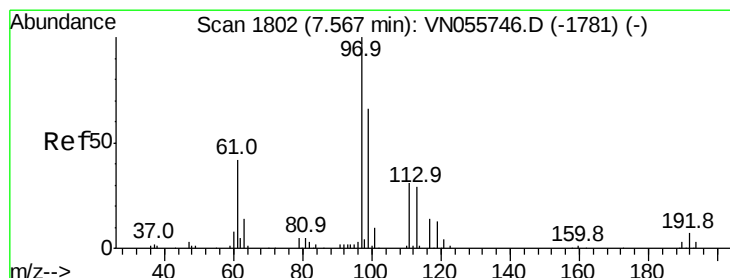
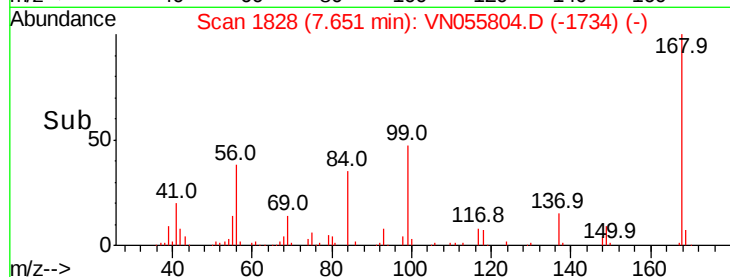
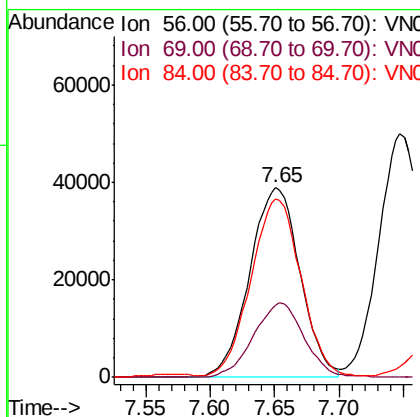
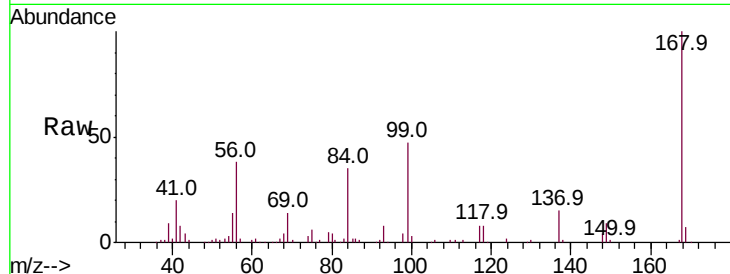
#31
Cyclohexane
Concen: 19.055 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0524WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.9	25.6	38.4
84	92.9	67.4	101.0

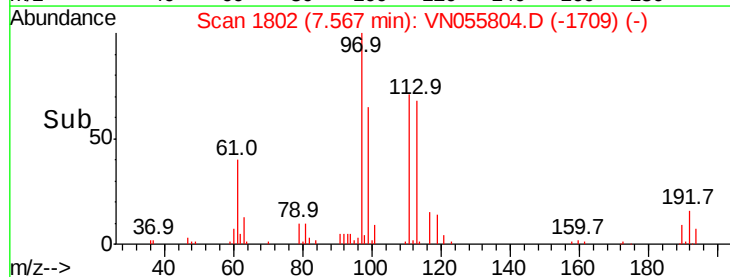
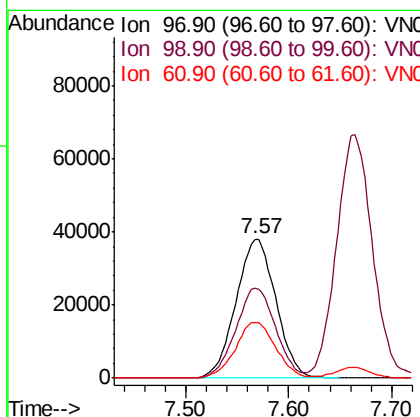
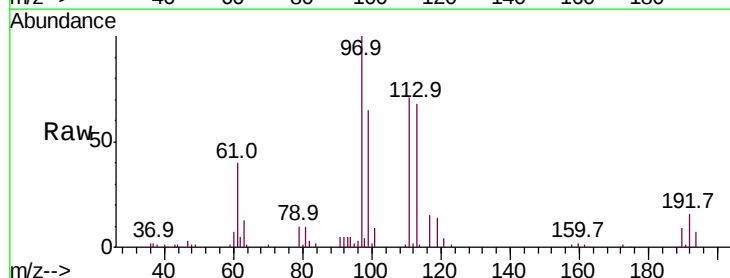
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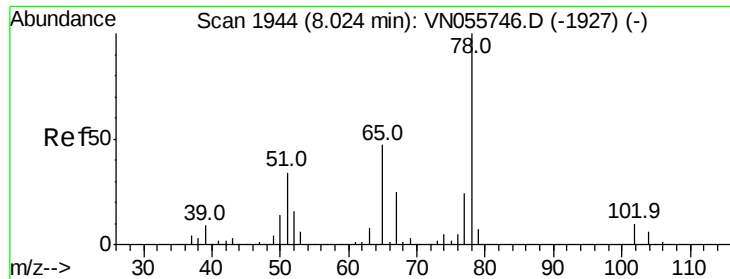
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#32
1,1,1-Trichloroethane
Concen: 19.482 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.0	78.0
61	40.7	32.9	49.3





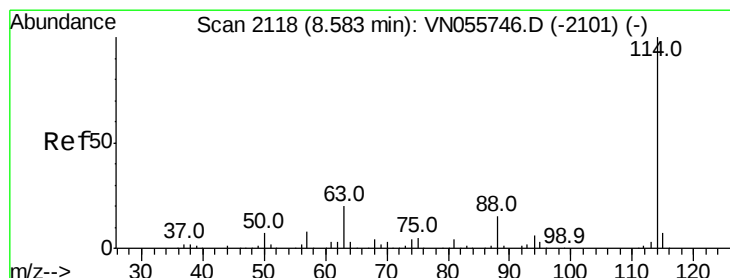
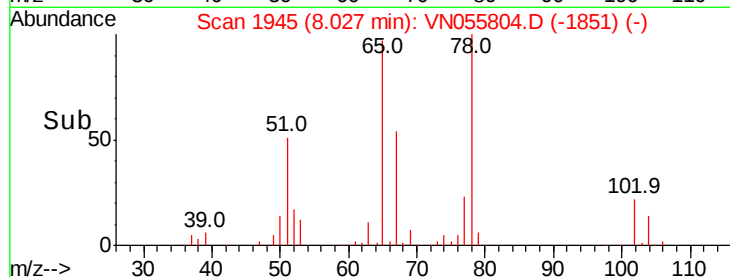
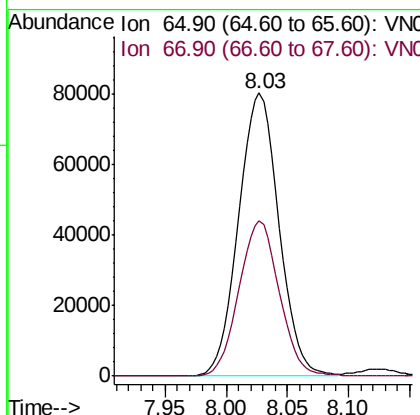
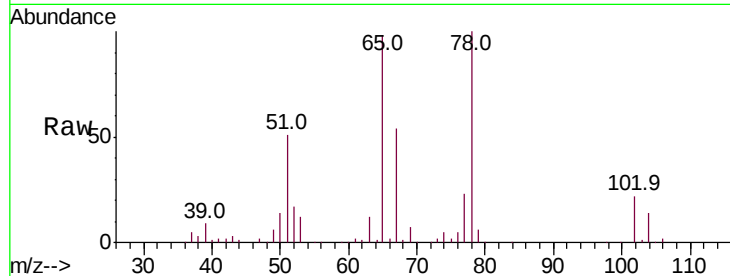
#33
 1,2-Dichloroethane-d4
 Concen: 49.780 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD02

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

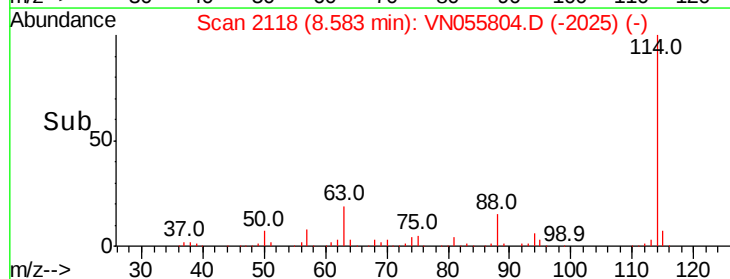
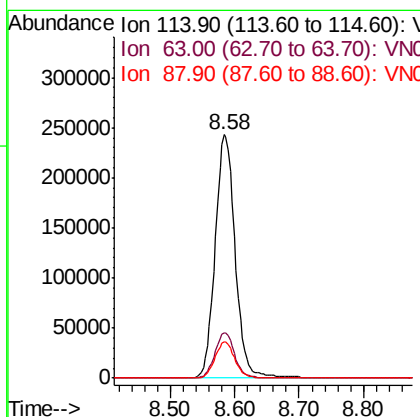
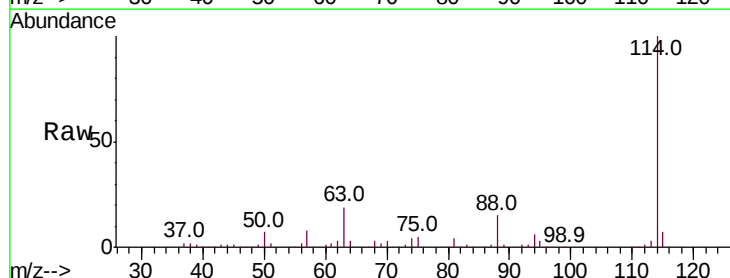
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.8	0.0	39.2	
88	14.8	0.0	31.0	





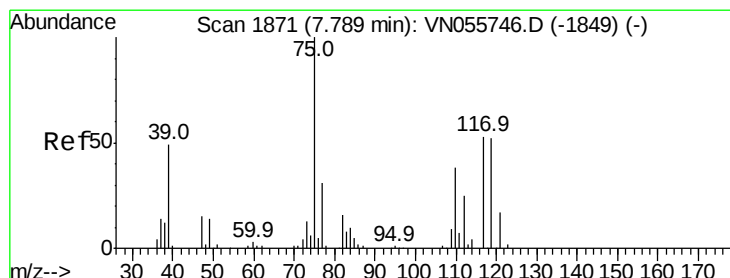
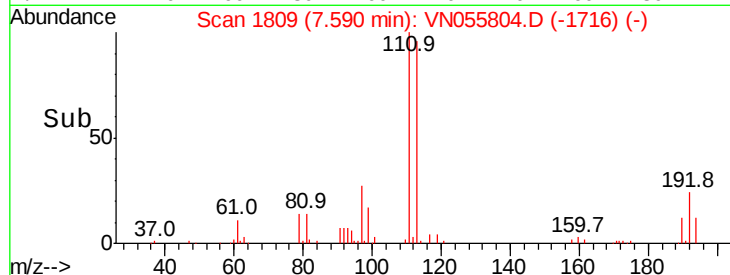
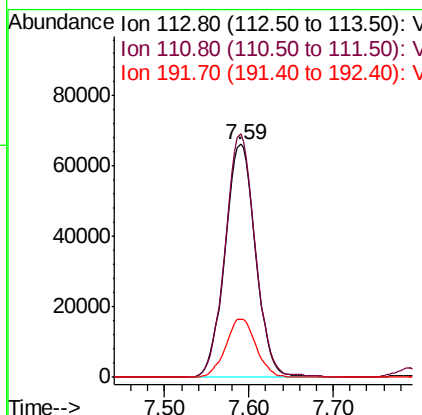
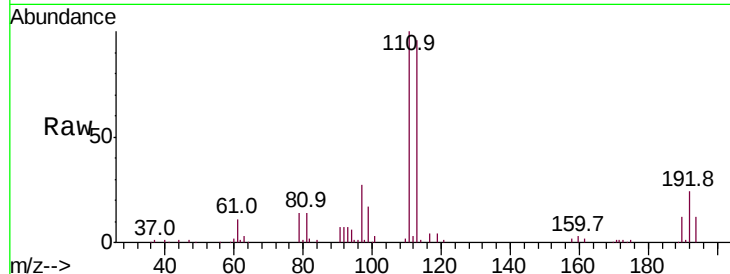
#35
 Dibromofluoromethane
 Concen: 50.085 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	167194		
111	102.7	81.9	122.9	
192	24.7	19.5	29.3	

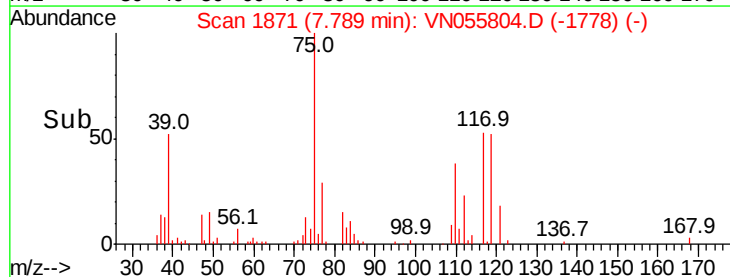
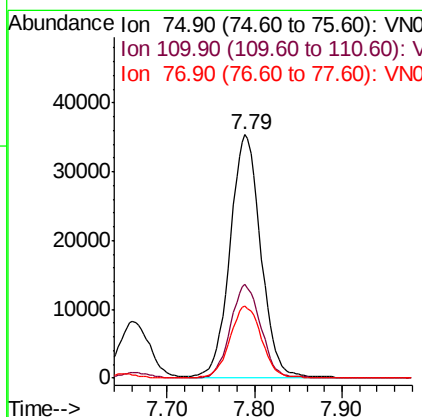
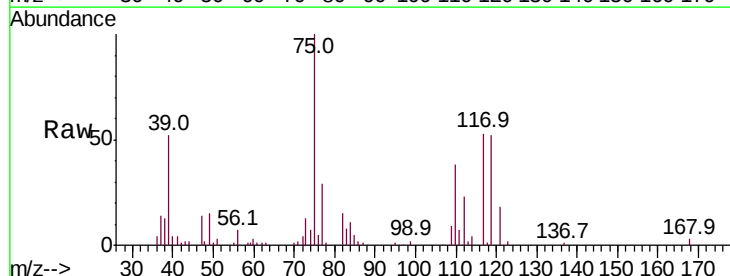
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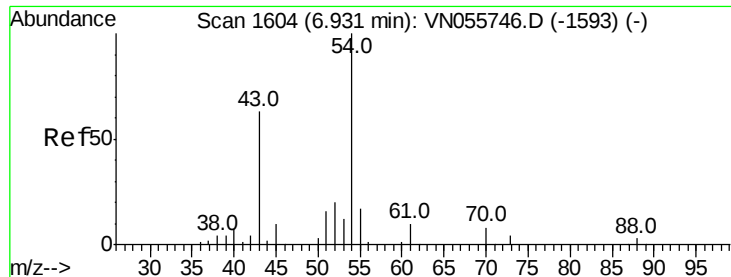
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#36
 1,1-Dichloropropene
 Concen: 18.866 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86807		
110	37.6	19.0	57.0	
77	30.1	25.1	37.7	





#37

Ethyl Acetate

Concen: 19.889 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055804.D

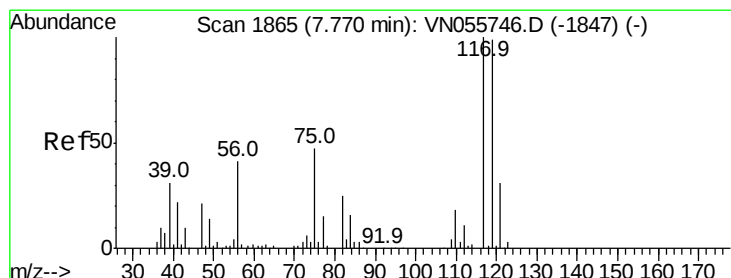
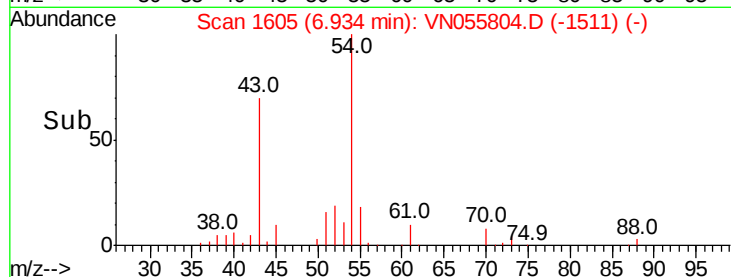
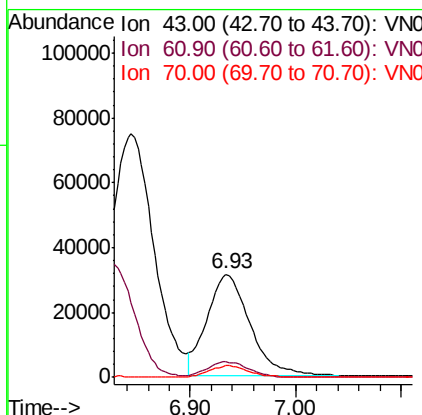
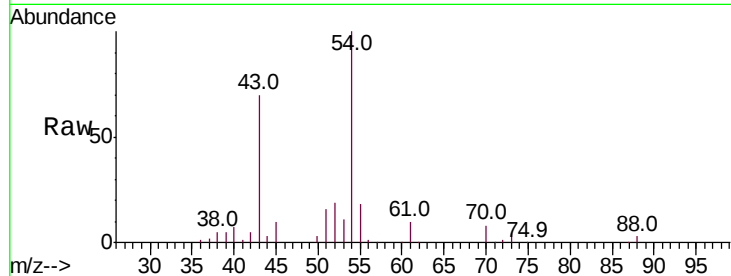
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion	43	61	70
Resp	88449	15.1	10.8
Ratio	100	12.2	8.9
Lower			
Upper		18.2	13.3

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#38

Carbon Tetrachloride

Concen: 18.736 ug/l

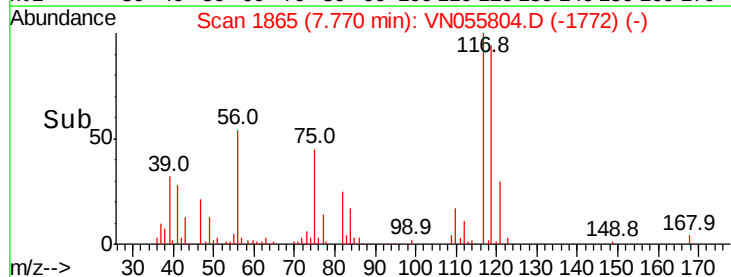
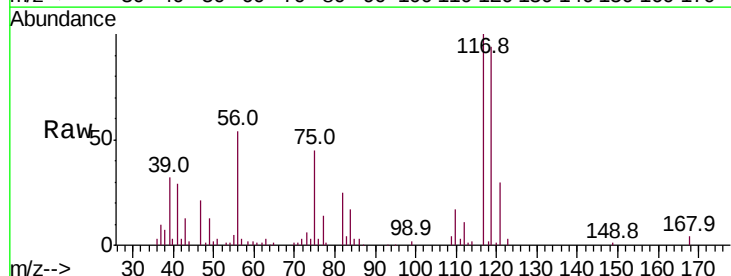
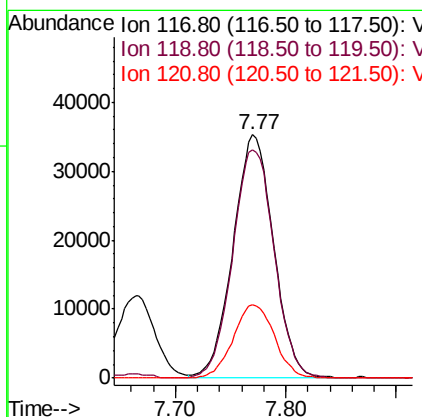
RT: 7.77 min Scan# 1865

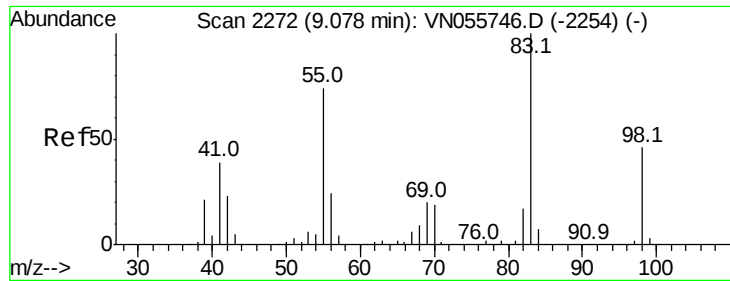
Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Tgt Ion	117	119	121
Resp	89801	93.6	30.3
Ratio	100	79.0	24.7
Lower			
Upper		118.6	37.1





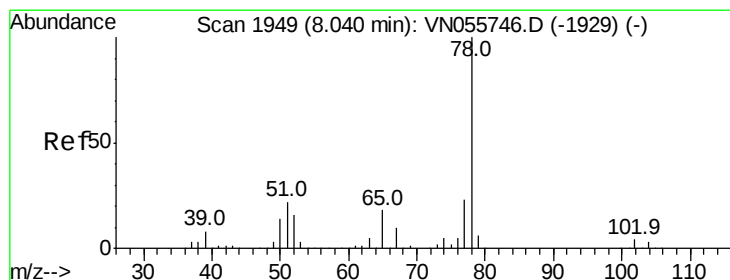
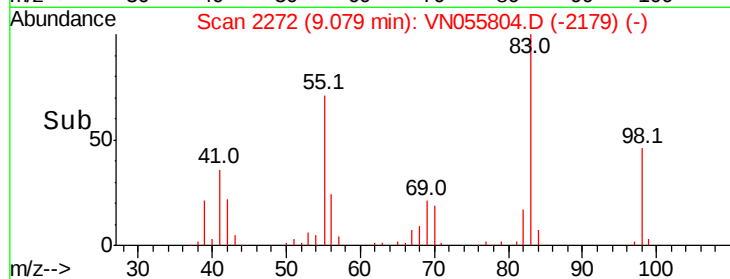
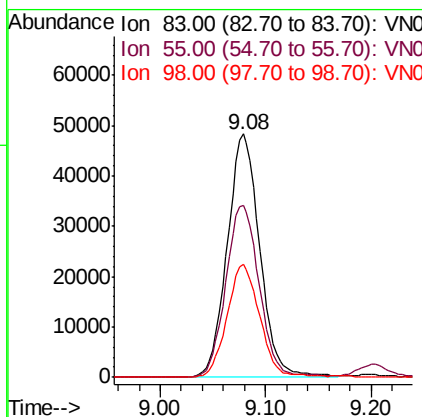
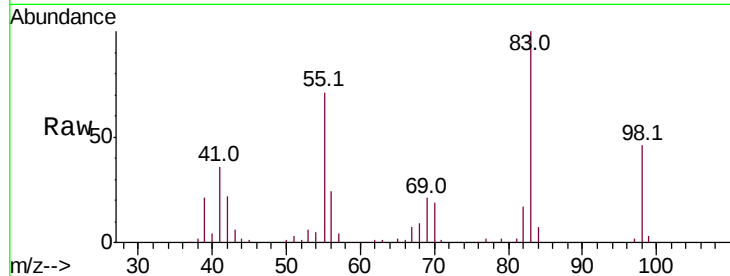
#39
Methvlcvclohexane
Concen: 18.164 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.6	59.3	88.9
98	46.4	36.6	54.8

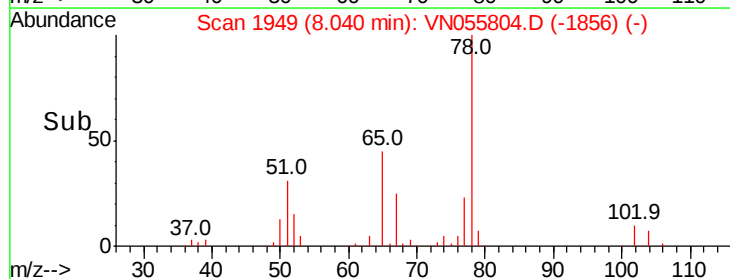
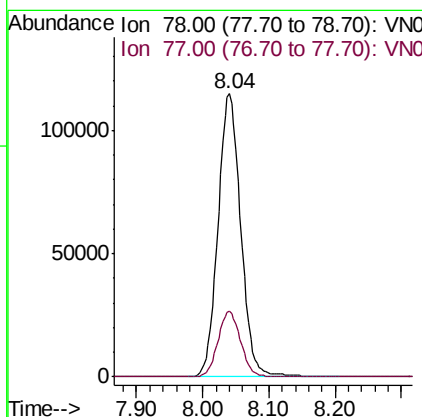
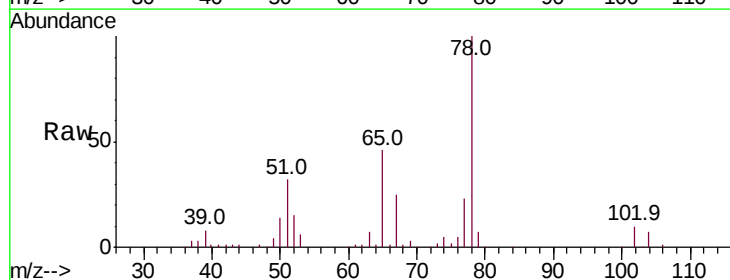
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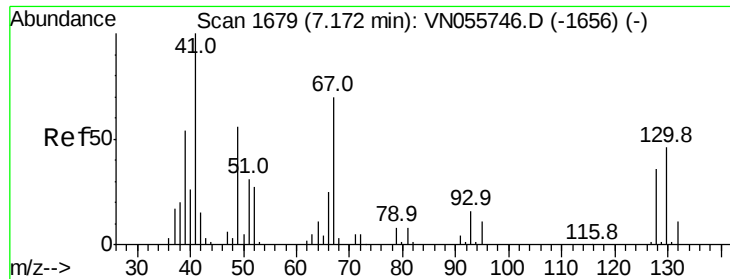
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#40
Benzene
Concen: 19.734 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





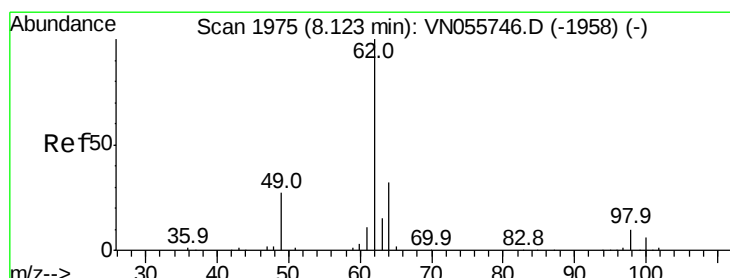
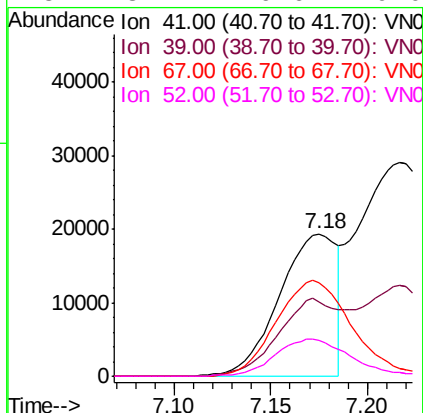
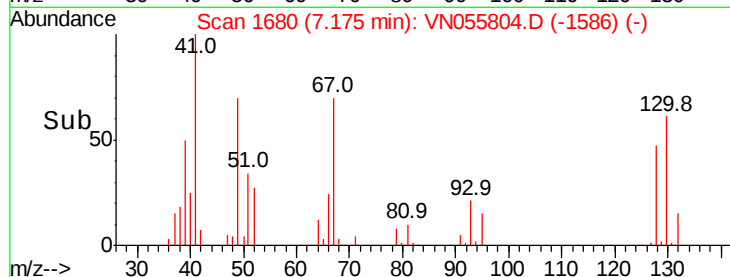
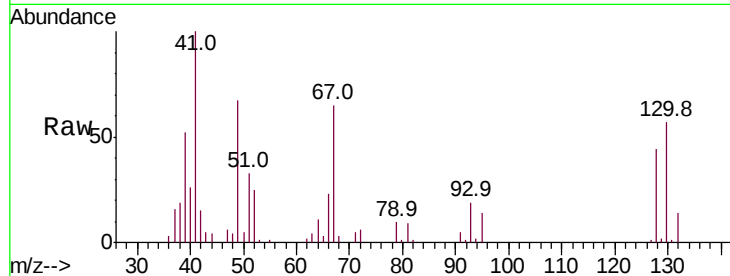
#41
Methacrylonitrile
Concen: 17.816 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion	41	Resp	40027
Ion Ratio	100	Lower	Upper
41	100		
39	58.0	45.6	68.4
67	88.4	67.7	101.5
52	34.4	26.6	40.0

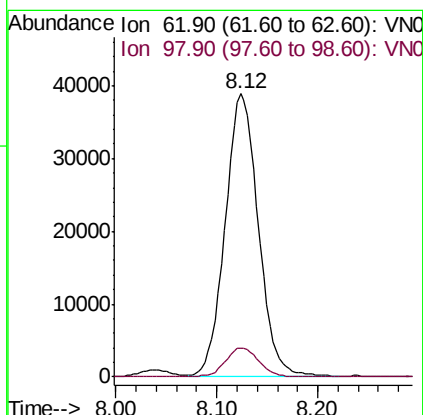
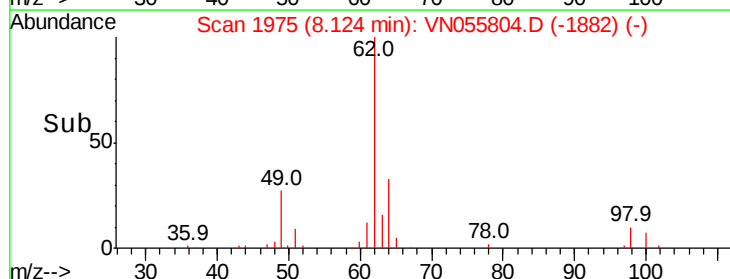
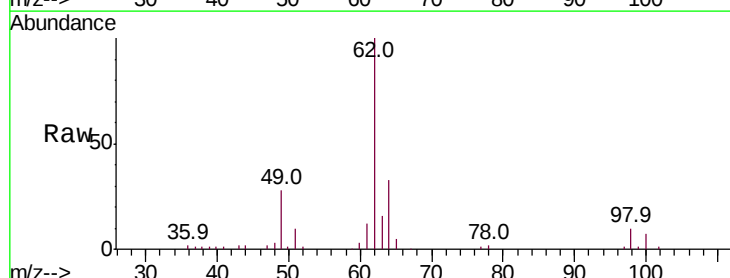
Manual Integrations
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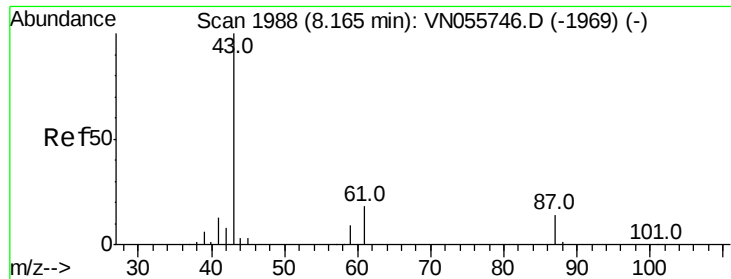
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.711 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion	62	Resp	89318
Ion Ratio	100	Lower	Upper
62	100		
98	10.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.170 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

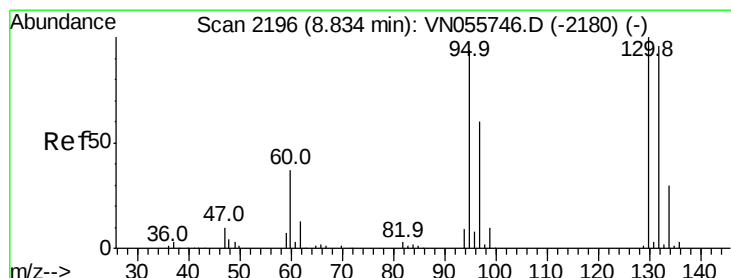
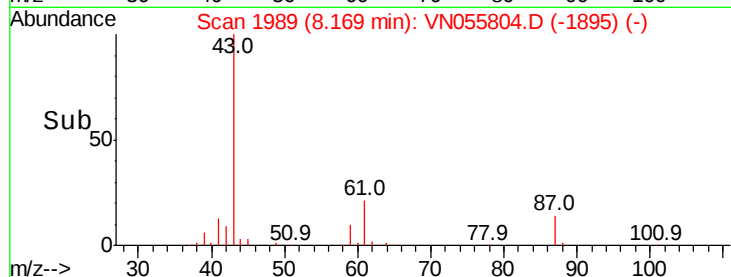
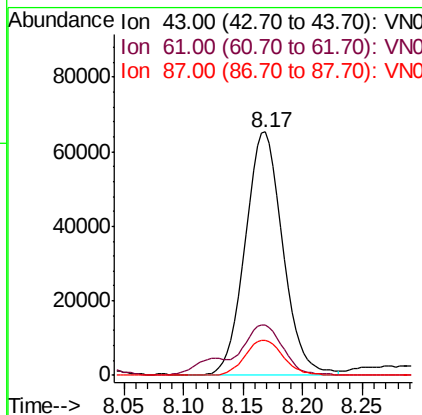
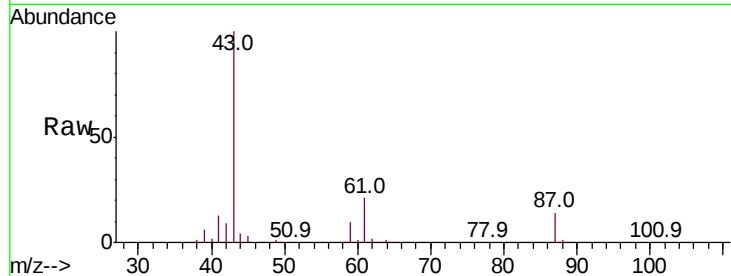
ClientSampleId :

VN0524WBSD02

Tot Ion:	43	Resp:	143239
Ion Ratio	Lower	Upper	
43	100		
61	20.7	22.2	33.4#
87	14.8	11.4	17.2

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#44

Trichloroethene

Concen: 19.985 ug/l

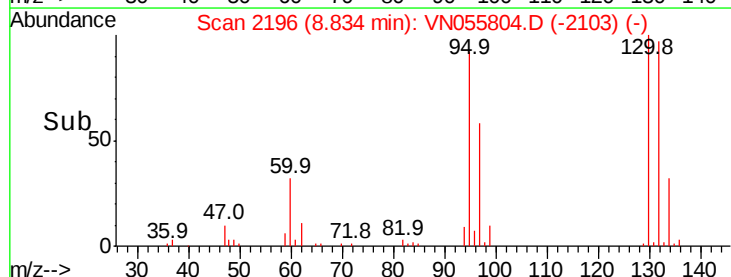
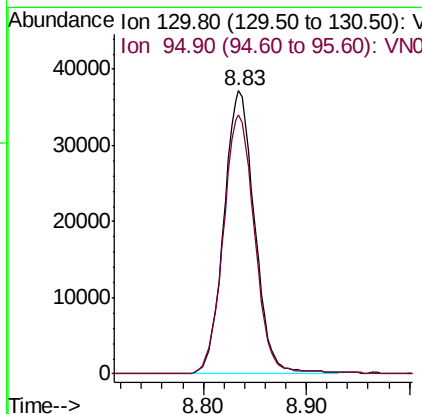
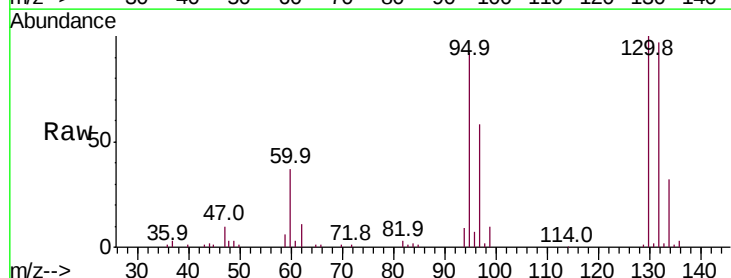
RT: 8.83 min Scan# 2196

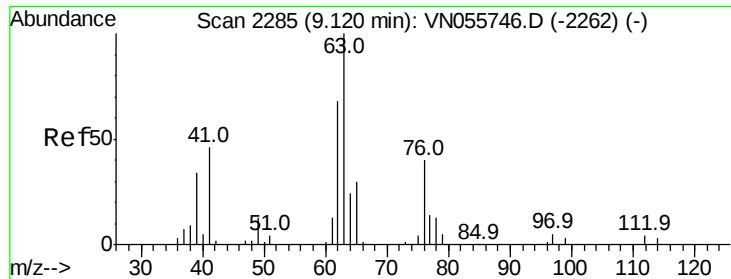
Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Tgt Ion:	130	Resp:	77261
Ion Ratio	Lower	Upper	
130	100		
95	91.7	0.0	188.0





#45

1,2-Dichloropropane

Concen: 19.403 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

Tot Ion: 63 Resp: 70104

Ion Ratio Lower Upper

63 100

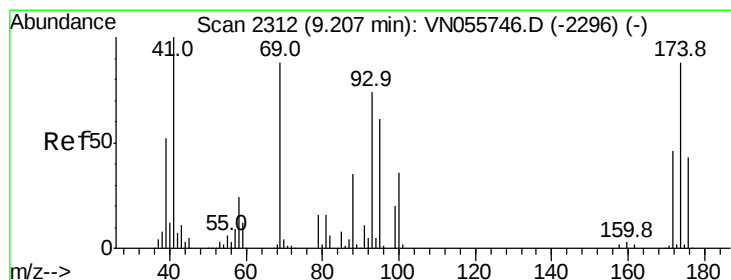
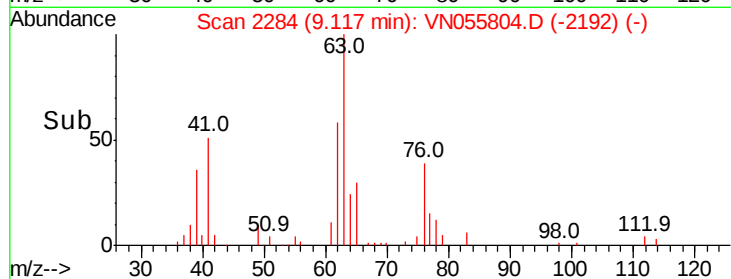
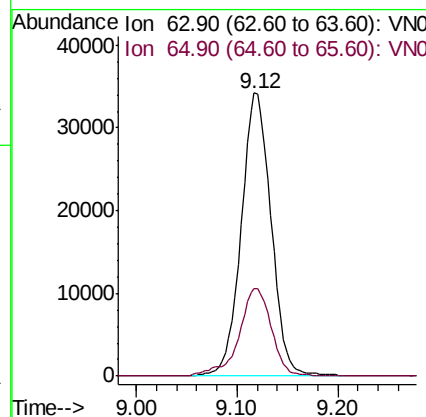
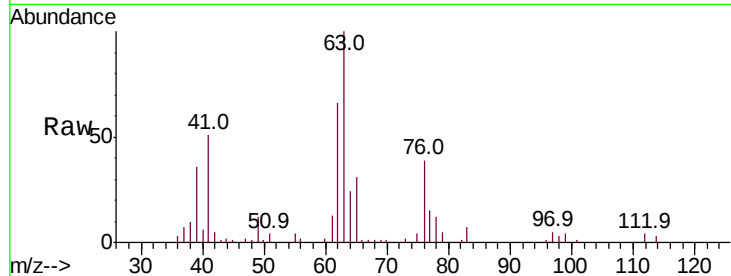
65 31.2 24.6 36.8

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#46

Dibromomethane

Concen: 20.038 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

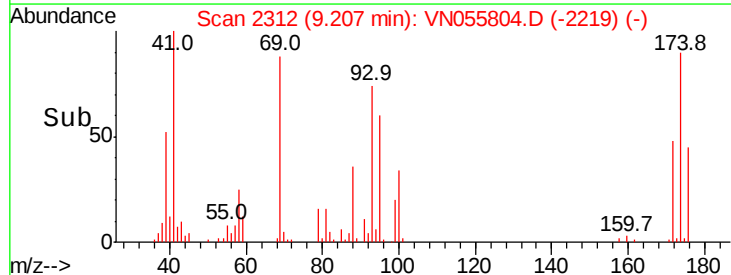
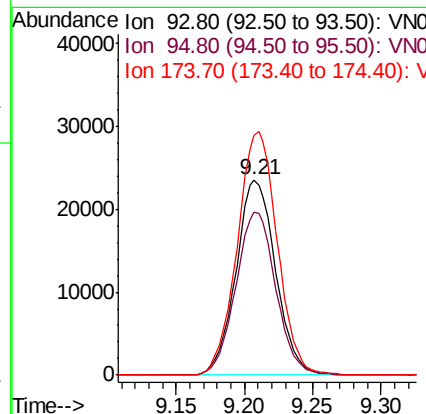
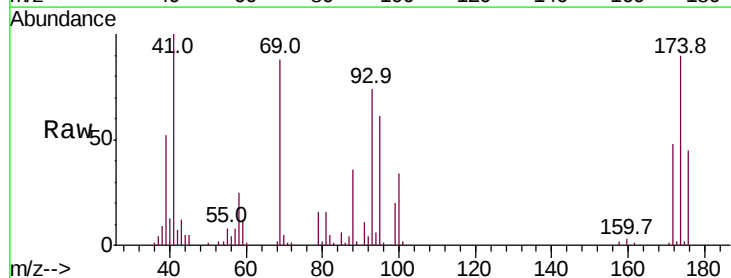
Tgt Ion: 93 Resp: 47480

Ion Ratio Lower Upper

93 100

95 84.1 66.7 100.1

174 126.0 96.4 144.6





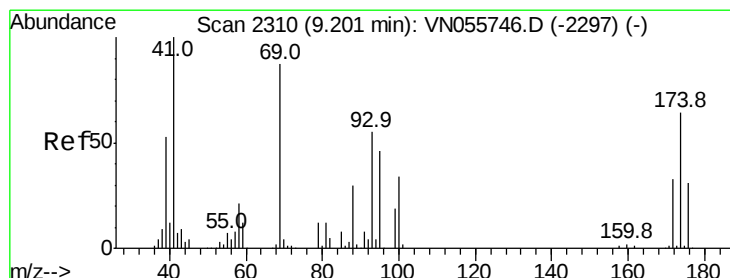
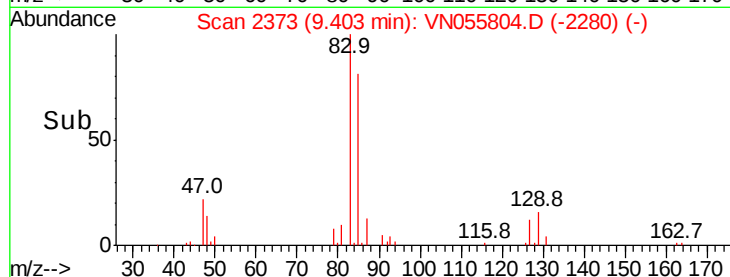
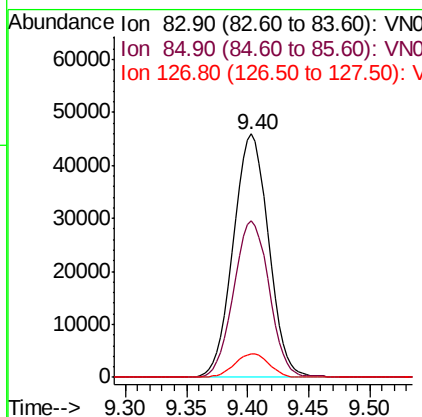
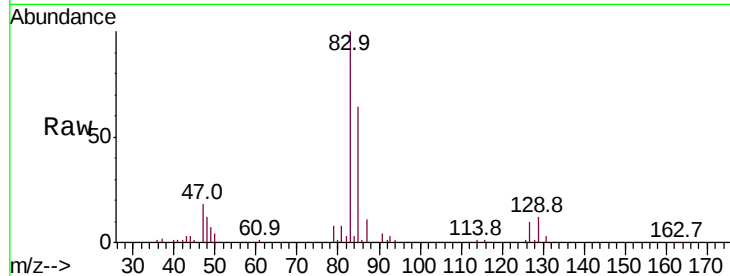
#47
Bromodichloromethane
Concen: 19.019 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion	83	Resp	92409
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	52.2	78.2
127	9.7	7.4	11.0

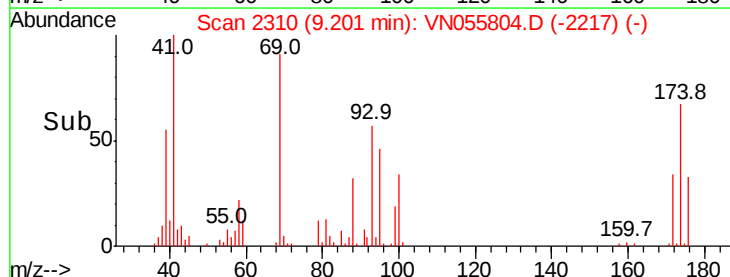
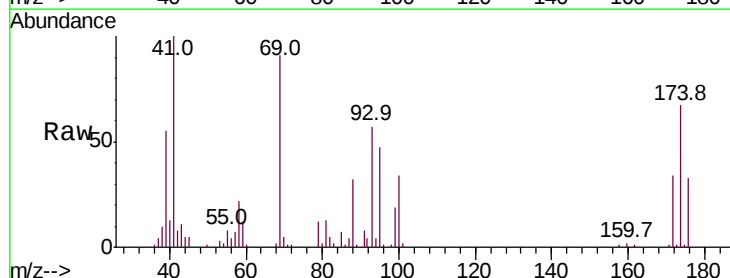
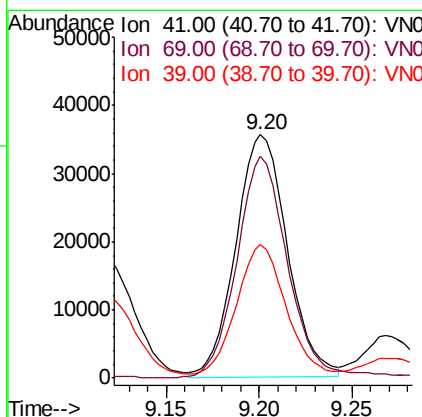
Manual Integrations
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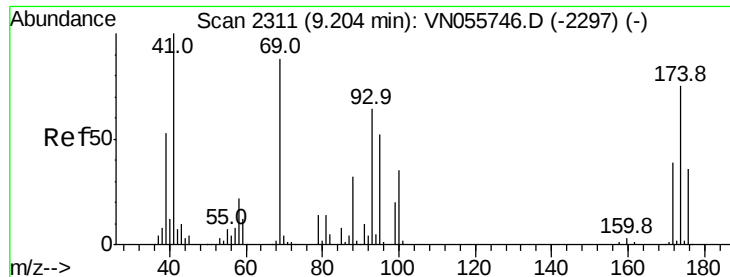
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#48
Methyl methacrylate
Concen: 20.043 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion	41	Resp	69023
Ion Ratio	100	Lower	Upper
41	100		
69	91.8	71.0	106.6
39	54.1	44.2	66.2





#49

1,4-Dioxane

Concen: 385.996 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

Tot Ion: 88 Resp: 27623

Ion Ratio Lower Upper

88 100

43 26.1 20.5 30.7

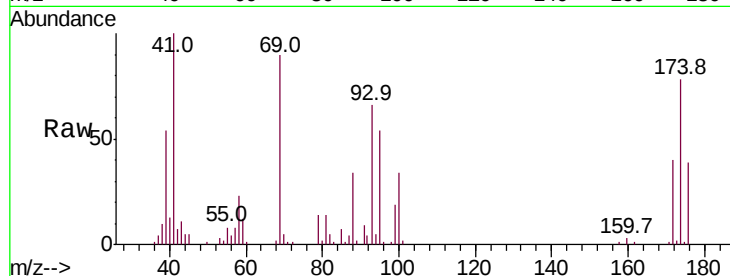
58 73.9 55.8 83.6

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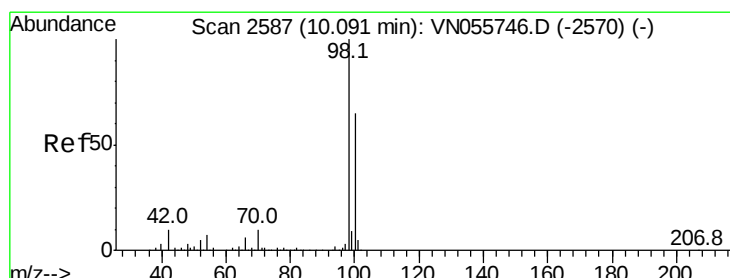
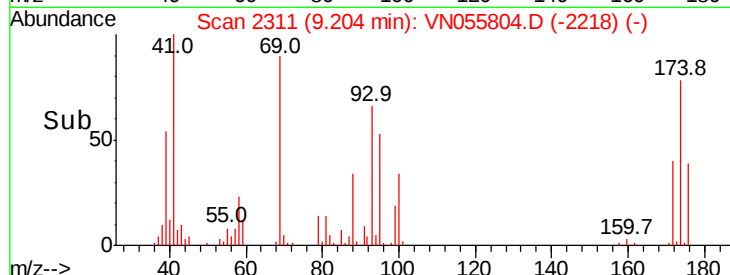
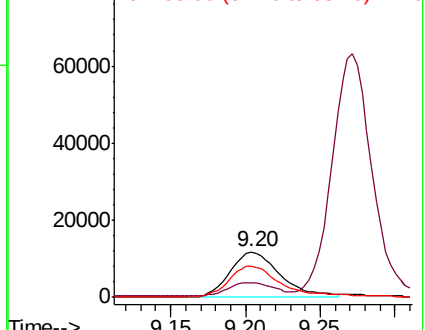


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.311 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055804.D

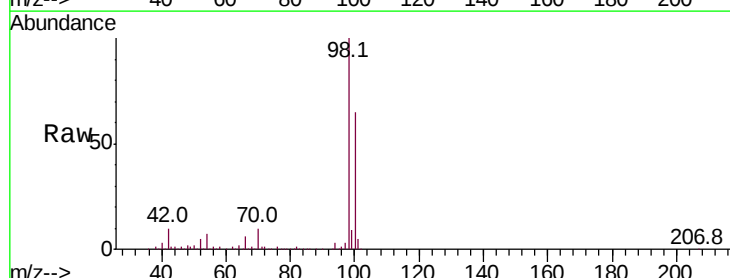
Acq: 24 May 2019 18:38

Tgt Ion: 98 Resp: 631428

Ion Ratio Lower Upper

98 100

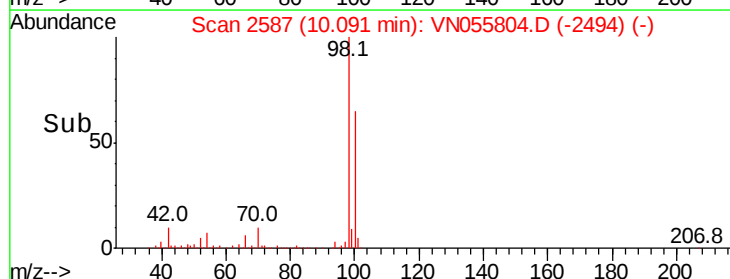
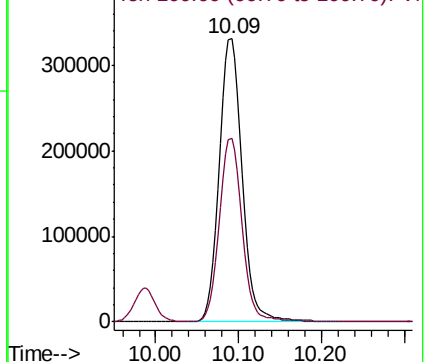
100 64.5 51.9 77.9

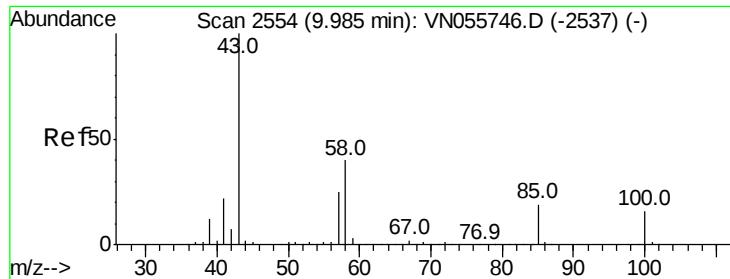


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 98.643 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

Tot Ion: 43 Resp: 435313

Ion Ratio Lower Upper

43 100

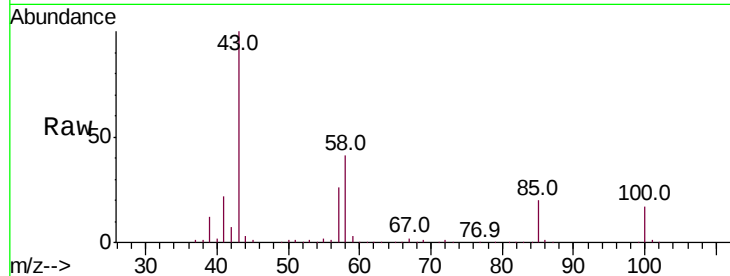
58 40.9 32.1 48.1

Manual Integrations

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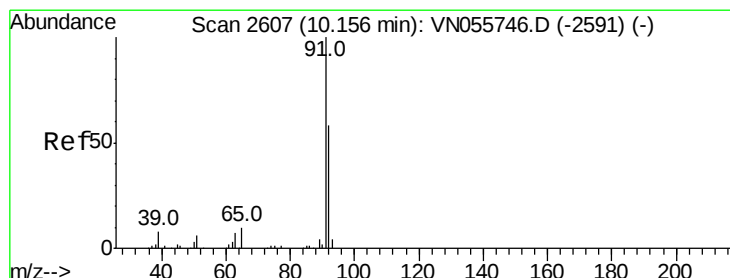
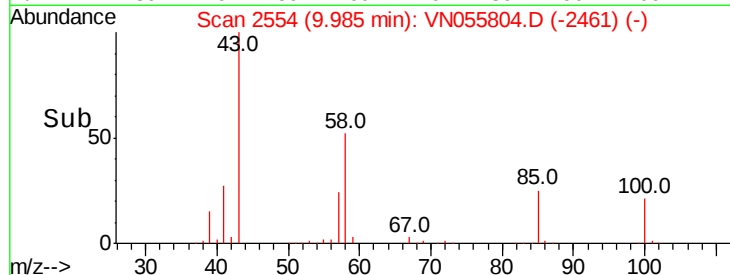
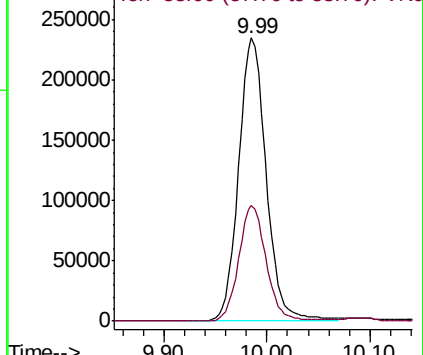
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.917 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055804.D

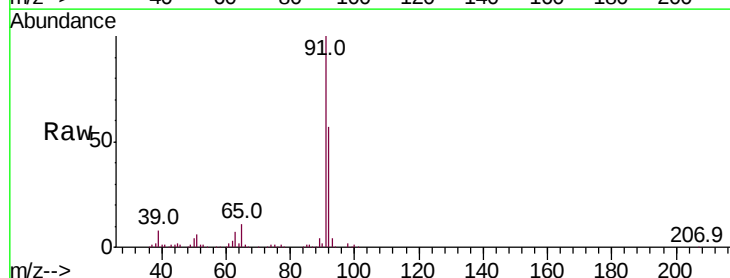
Acq: 24 May 2019 18:38

Tgt Ion: 92 Resp: 173711

Ion Ratio Lower Upper

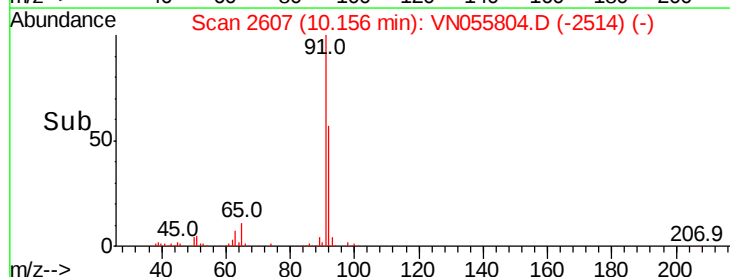
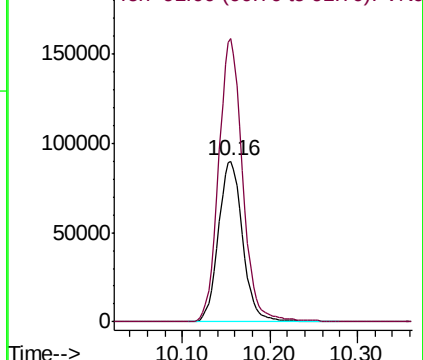
92 100

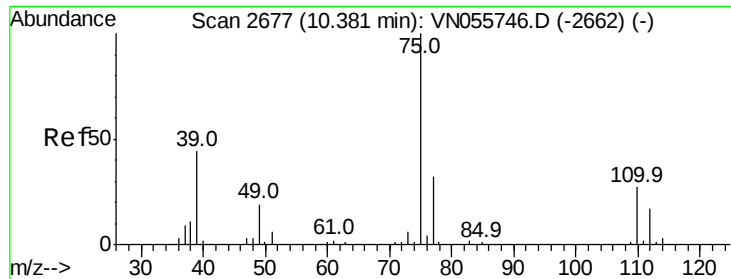
91 174.1 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





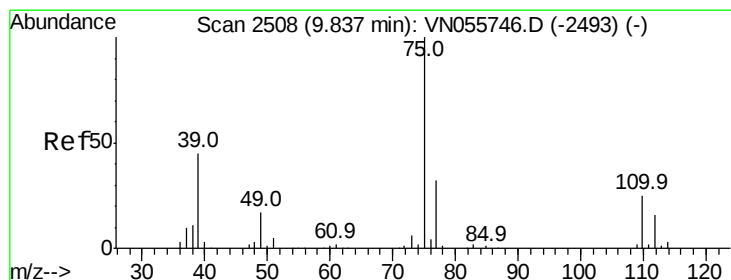
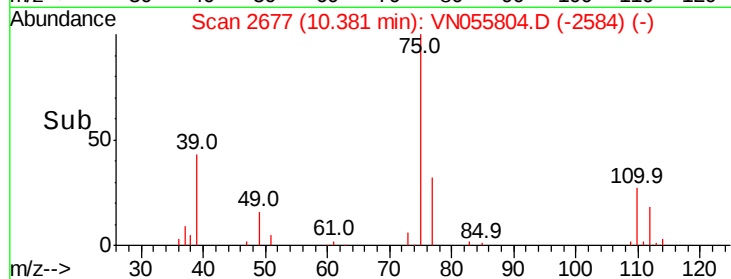
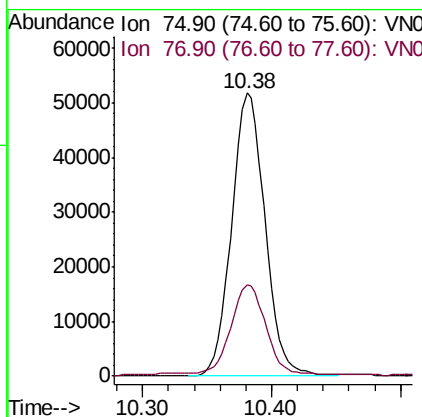
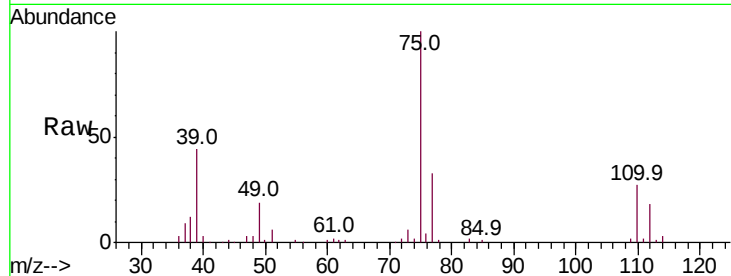
#53
t-1,3-Dichloropropene
Concen: 17.999 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion: 75 Resp: 93349
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.6

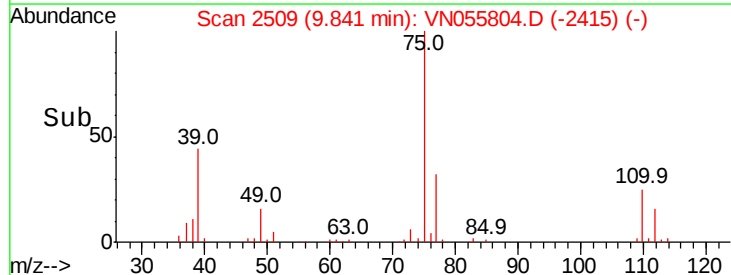
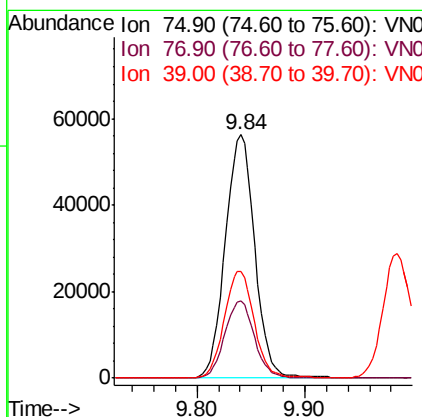
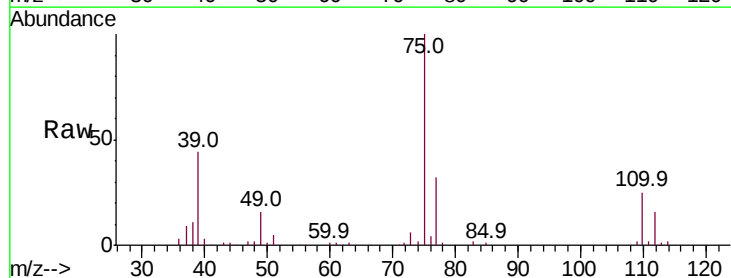
Manual Integrations
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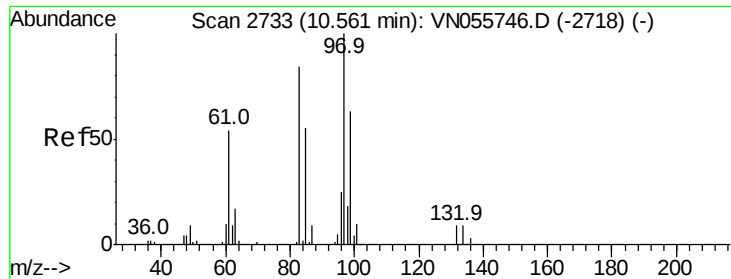
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.635 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion: 75 Resp: 107069
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0
39 43.8 36.3 54.5





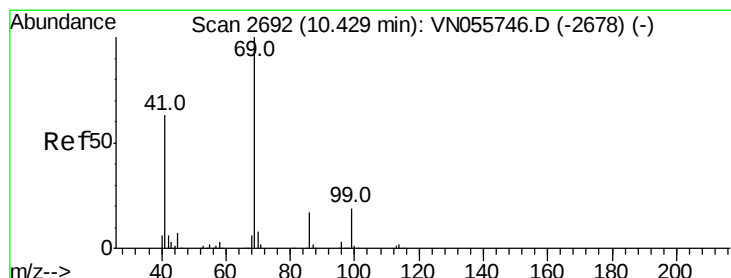
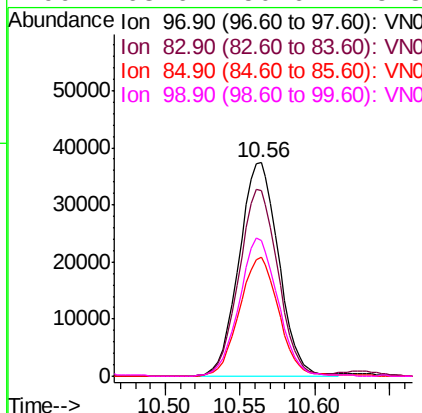
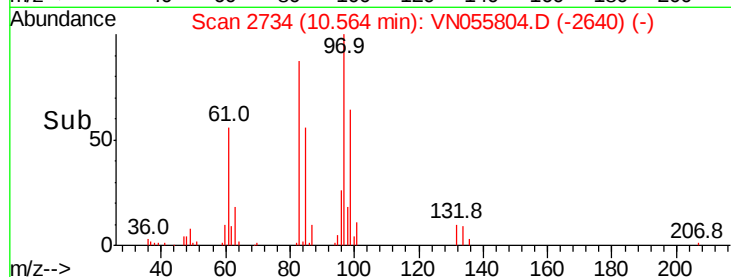
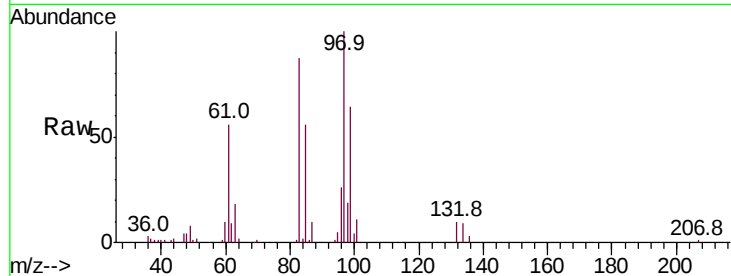
#55
 1,1,2-Trichloroethane
 Concen: 19.771 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD02

Tot Ion:	97	Resp:	69080
Ion	Ratio	Lower	Upper
97	100		
83	86.9	67.0	100.6
85	55.7	44.0	66.0
99	63.6	50.6	75.8

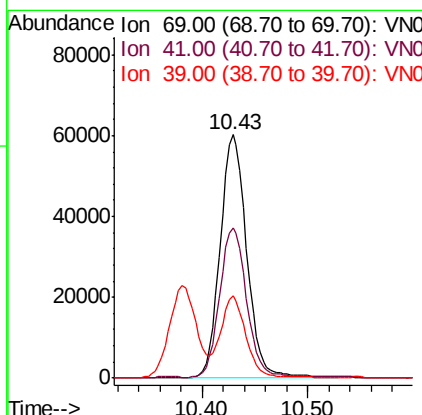
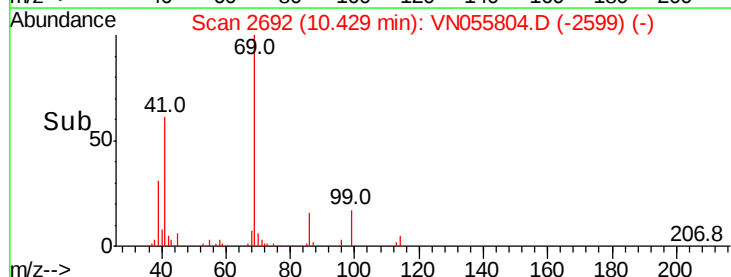
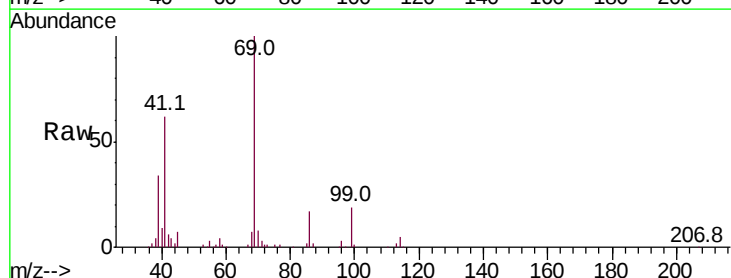
Manual Integrations
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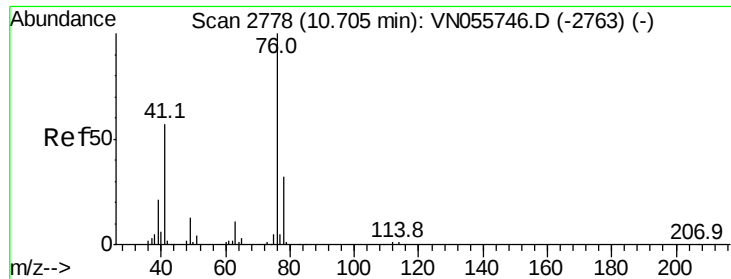
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#56
 Ethyl methacrylate
 Concen: 19.547 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

Tgt Ion:	69	Resp:	105554
Ion	Ratio	Lower	Upper
69	100		
41	64.3	49.7	74.5
39	30.6	24.7	37.1





#57

1,3-Dichloropropane

Concen: 19.909 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

Tot Ion: 76 Resp: 113072

Ion Ratio Lower Upper

76 100

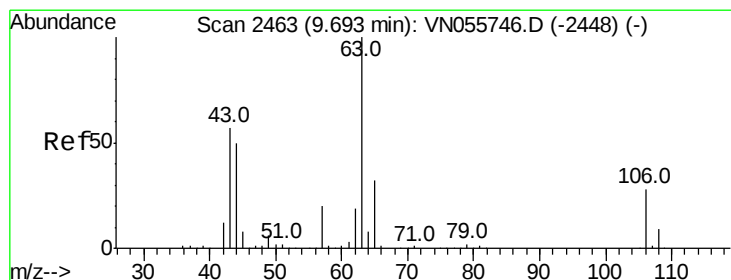
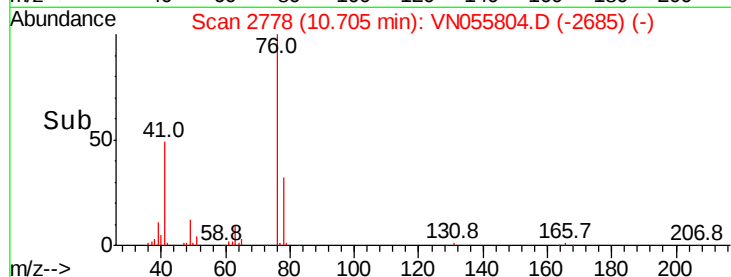
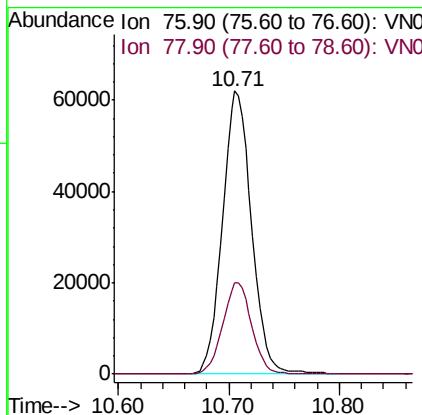
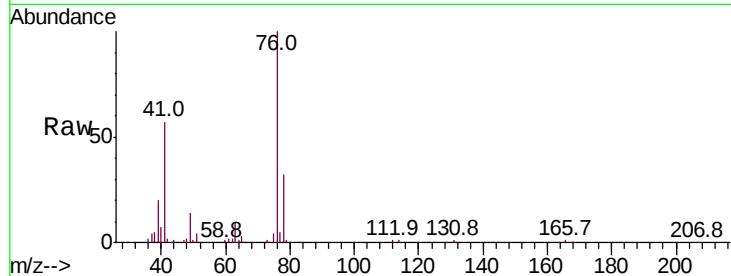
78 32.2 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 91.002 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055804.D

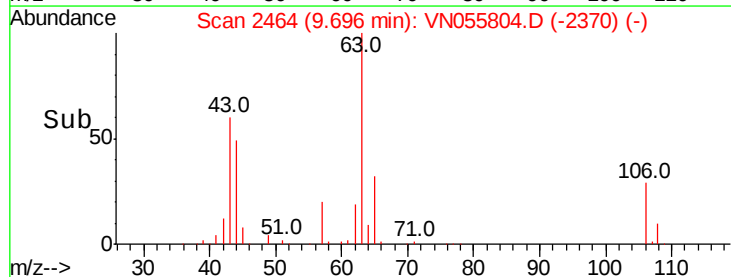
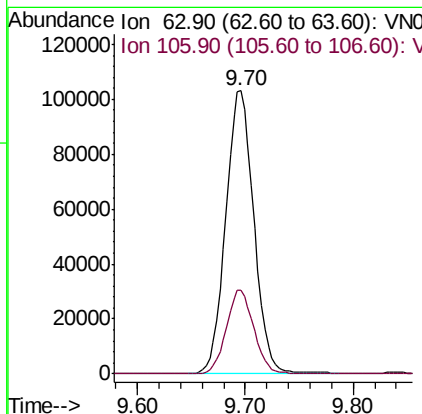
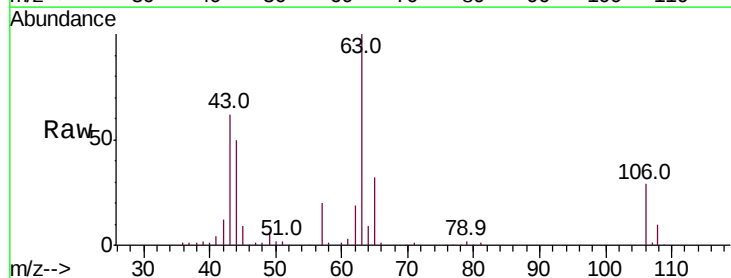
Acq: 24 May 2019 18:38

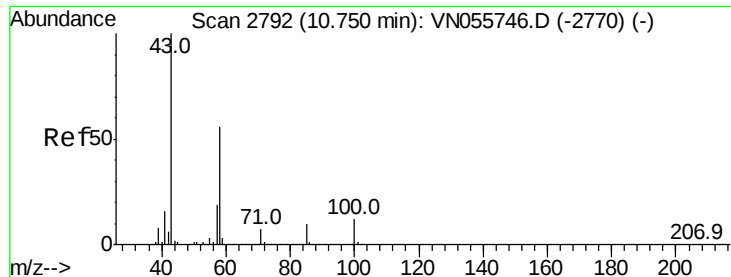
Tgt Ion: 63 Resp: 187793

Ion Ratio Lower Upper

63 100

106 28.9 22.7 34.1





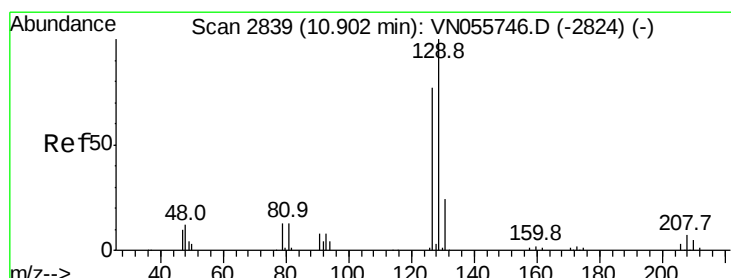
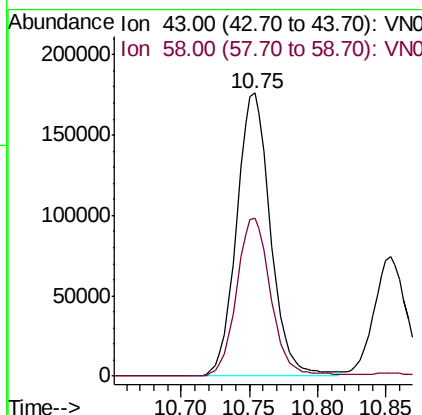
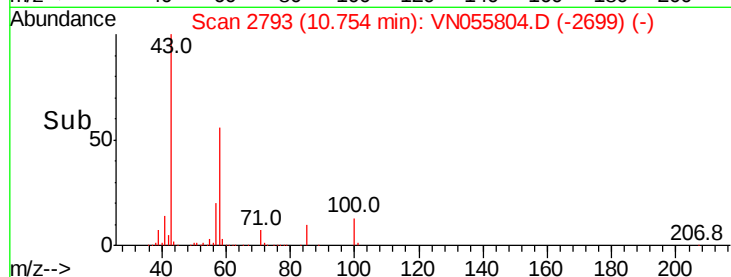
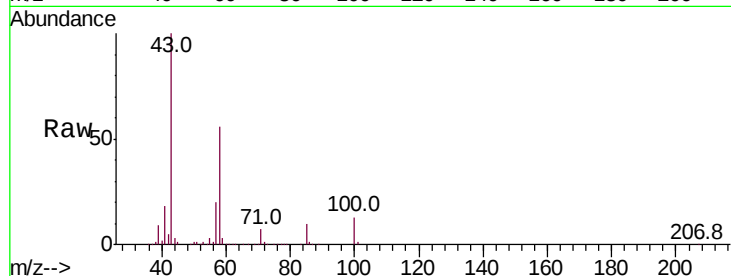
#59
2-Hexanone
Concen: 96.739 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion: 43 Resp: 302853
Ion Ratio Lower Upper
43 100
58 56.6 28.2 84.7

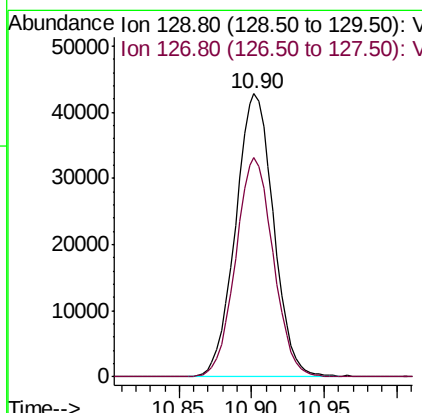
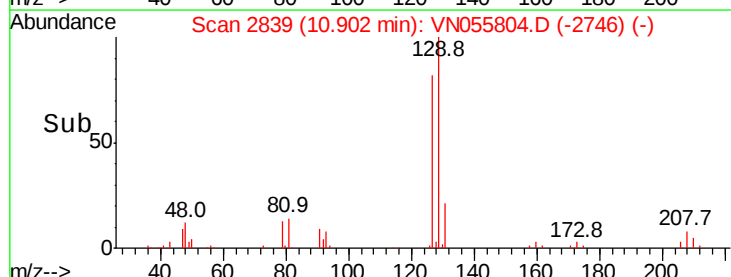
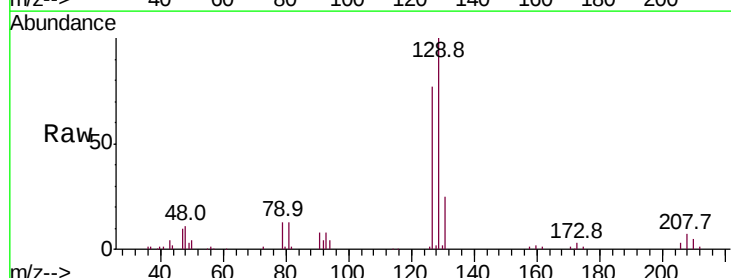
Manual Integrations
APPROVED

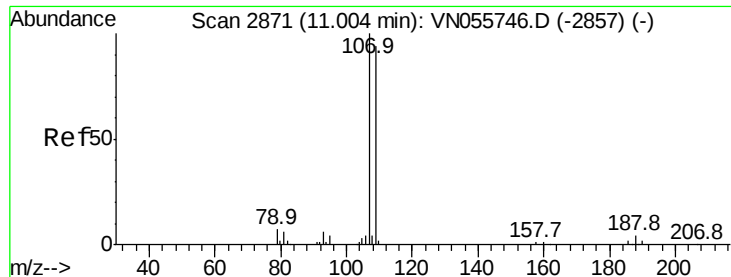
MMDadoda
5/28/2019 10:36:05 AM



#60
Dibromochloromethane
Concen: 19.143 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion: 129 Resp: 77918
Ion Ratio Lower Upper
129 100
127 76.5 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.057 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

Tot Ion:107 Resp: 72690

Ion Ratio Lower Upper

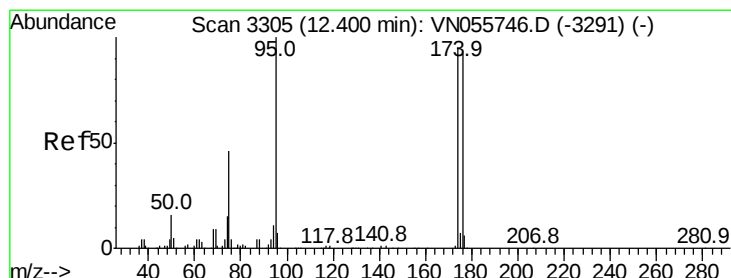
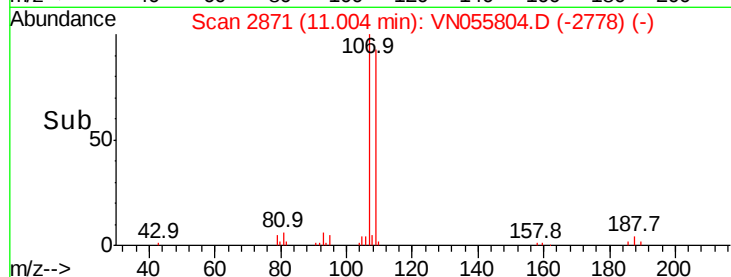
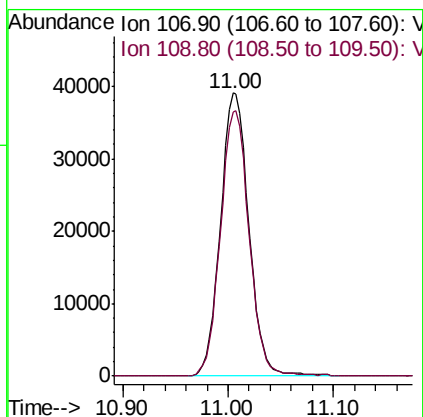
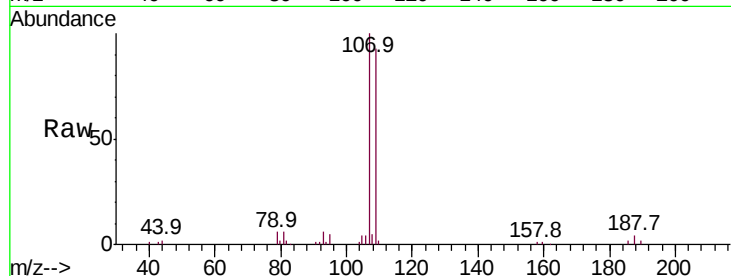
107 100

109 94.5 74.8 112.2

Manual Integrations
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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 48.391 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

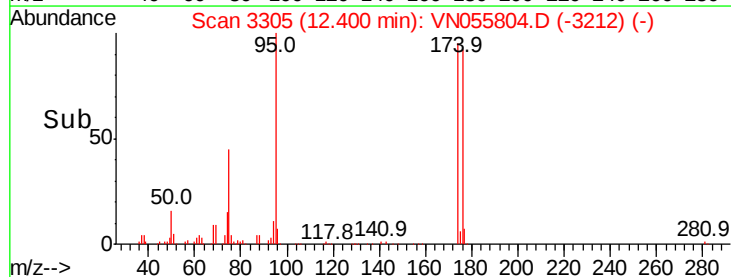
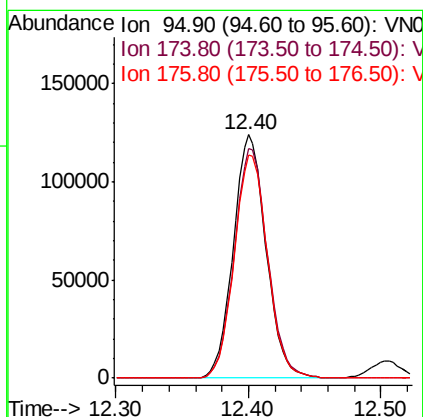
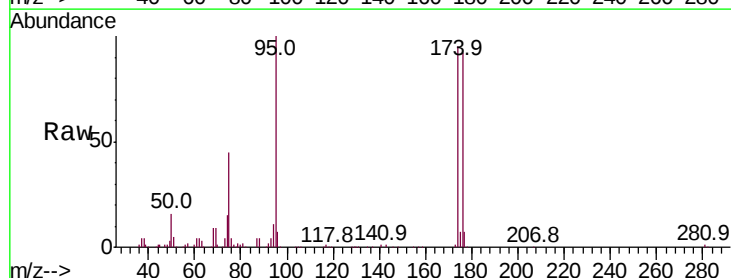
Tgt Ion: 95 Resp: 212473

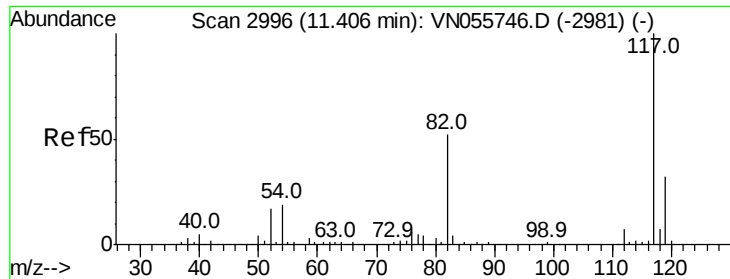
Ion Ratio Lower Upper

95 100

174 95.9 0.0 191.0

176 93.4 0.0 185.2





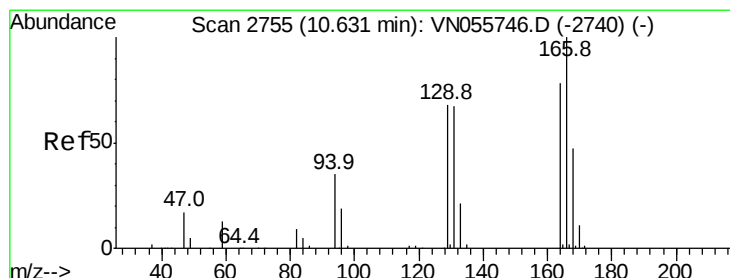
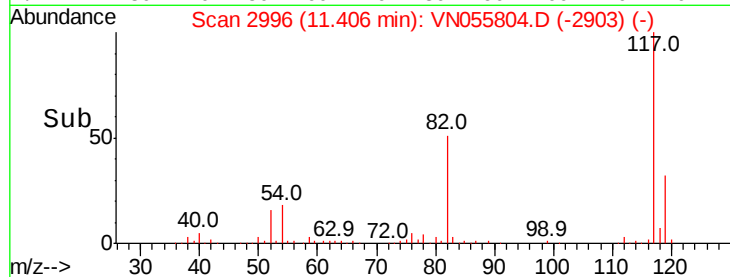
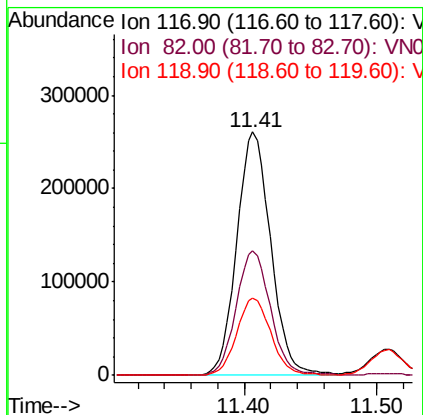
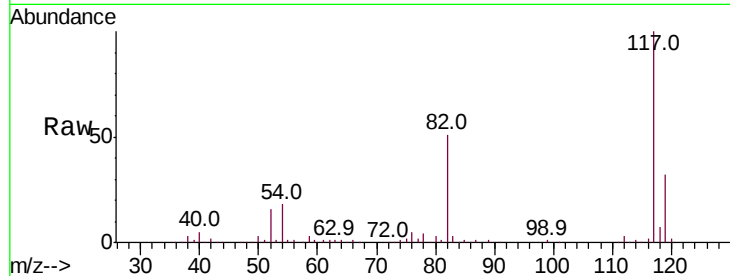
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.8	62.8
119	31.8	25.4	38.0

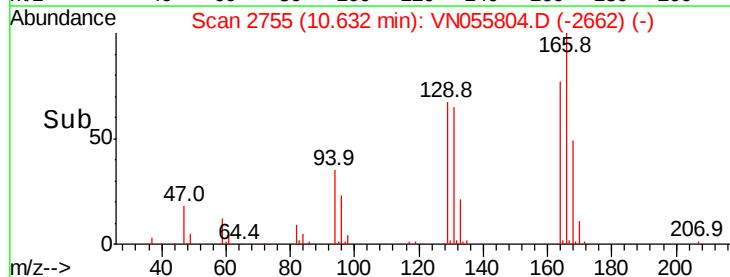
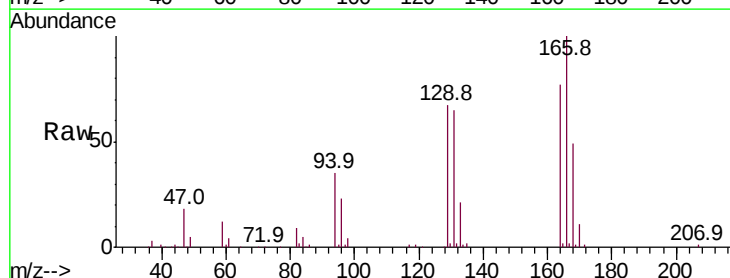
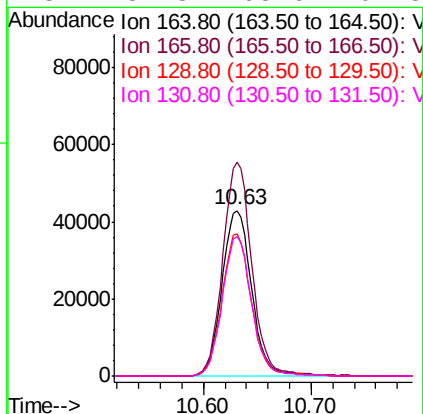
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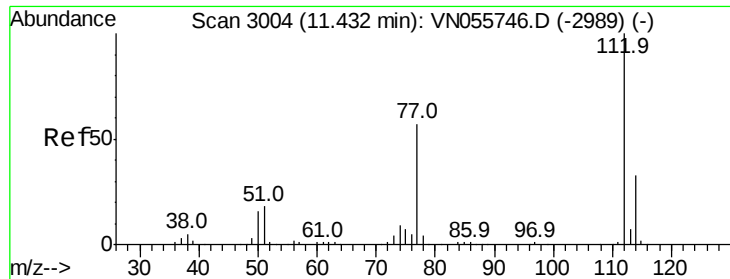
MMDadoda
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#64
Tetrachloroethene
Concen: 20.865 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	103.0	154.6
129	85.9	70.6	105.8
131	84.3	68.6	102.8





#65

Chlorobenzene

Concen: 19.850 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

Tot Ion:112 Resp: 185071

Ion Ratio Lower Upper

112 100

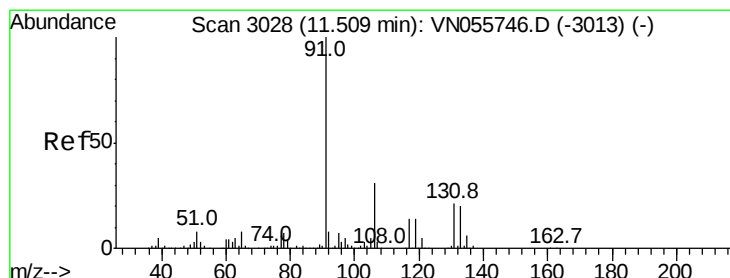
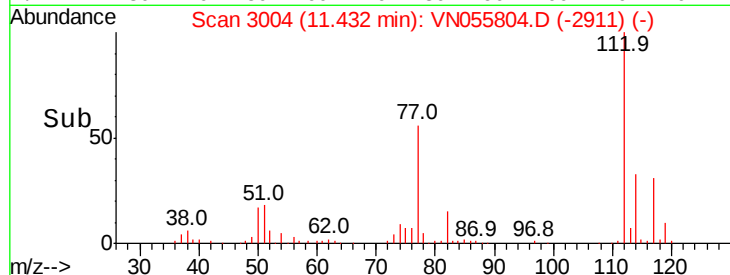
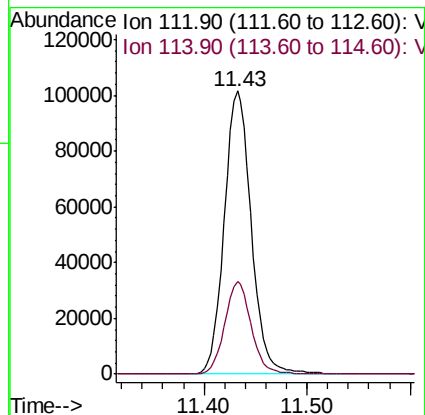
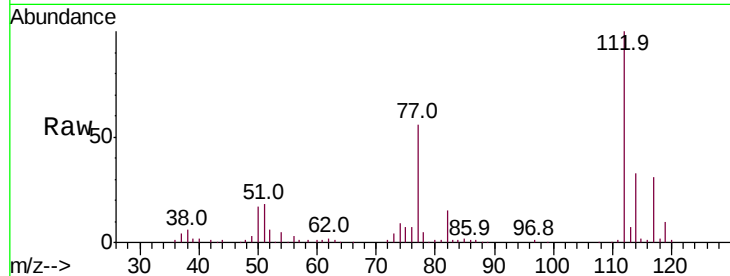
114 32.6 26.2 39.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.076 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

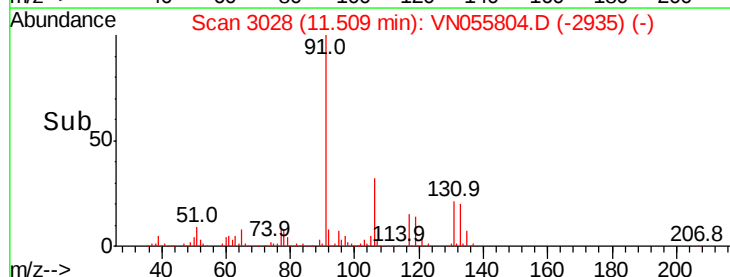
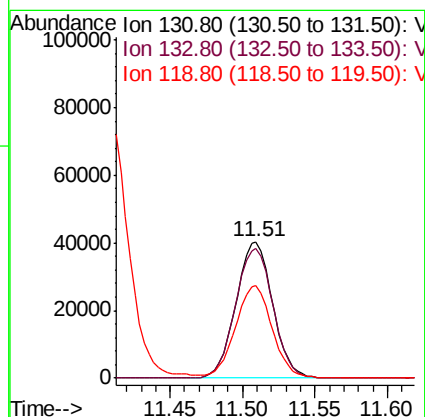
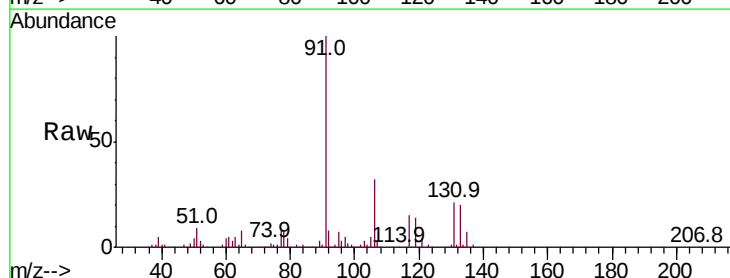
Tgt Ion:131 Resp: 70934

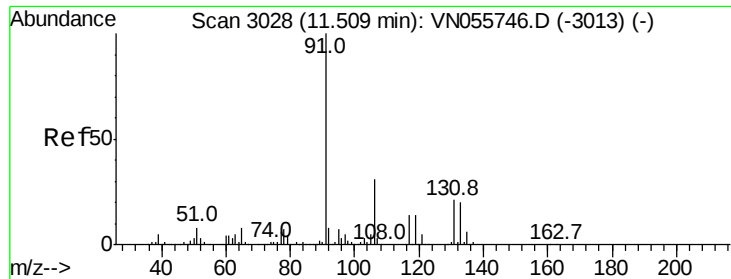
Ion Ratio Lower Upper

131 100

133 97.3 48.0 144.0

119 67.9 33.1 99.5





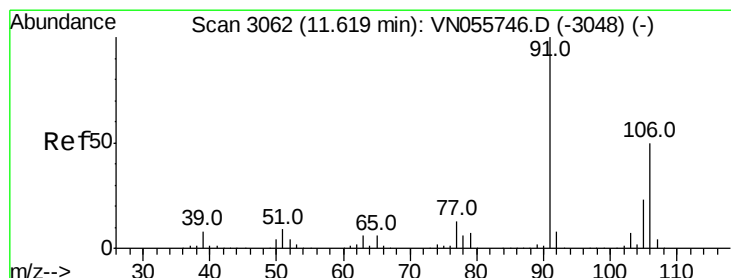
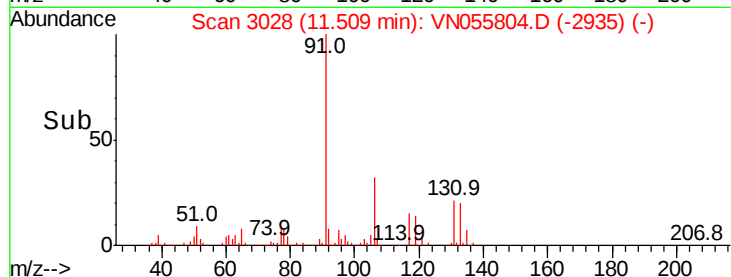
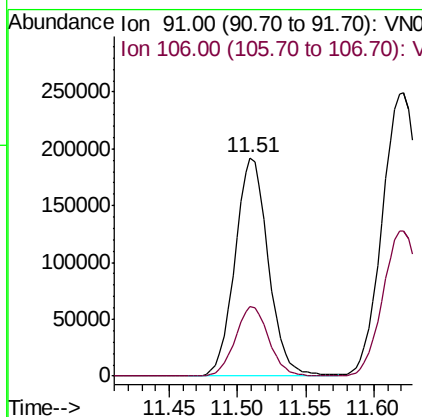
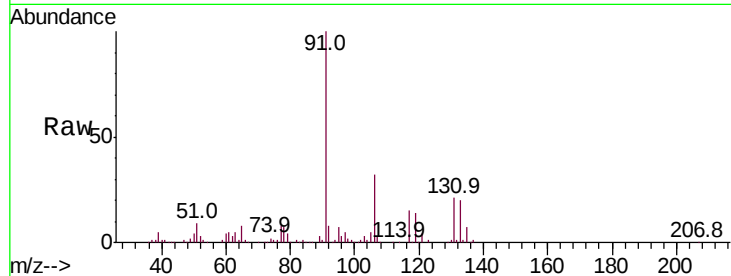
#67
Ethyl Benzene
Concen: 19.513 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion: 91 Resp: 326244
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7

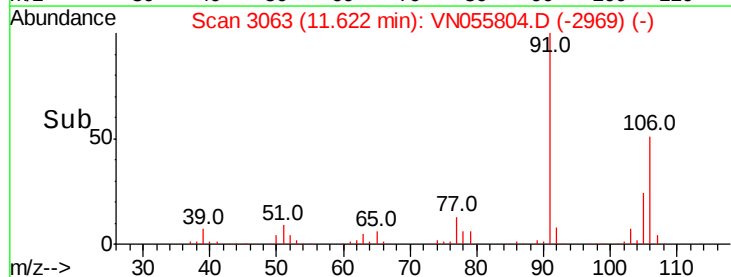
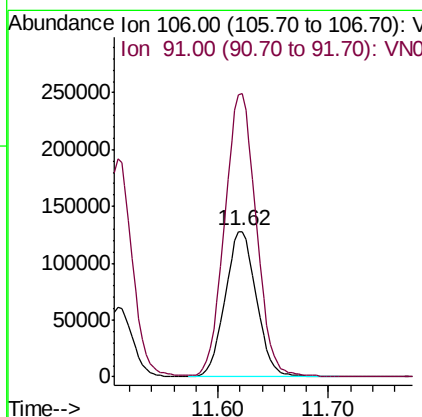
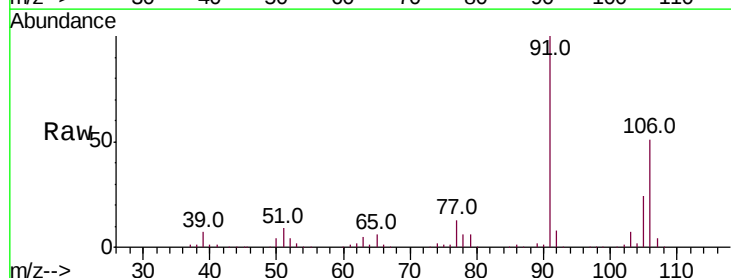
Manual Integrations
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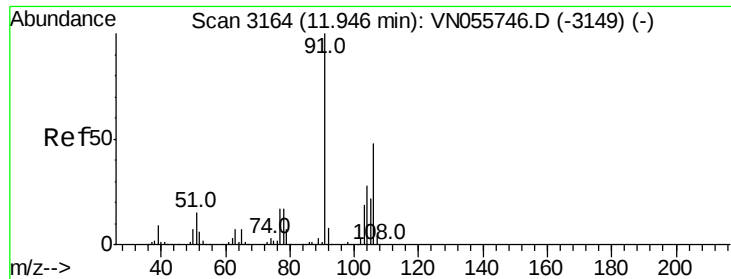
MMDadoda
5/28/2019 10:36:05 AM



#68
m/p-Xylenes
Concen: 39.913 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion: 106 Resp: 252283
Ion Ratio Lower Upper
106 100
91 196.3 159.3 238.9





#69

o-Xylene

Concen: 19.985 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

Tot Ion:106 Resp: 125329

Ion Ratio Lower Upper

106 100

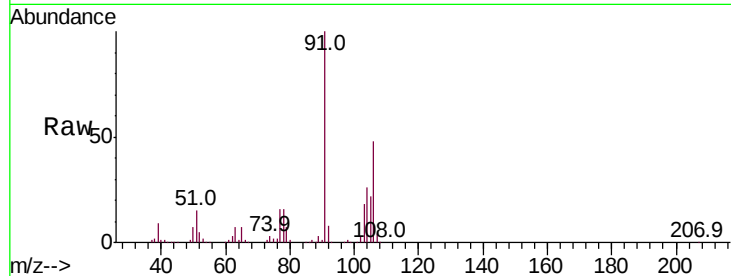
91 208.4 104.7 314.1

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

150000

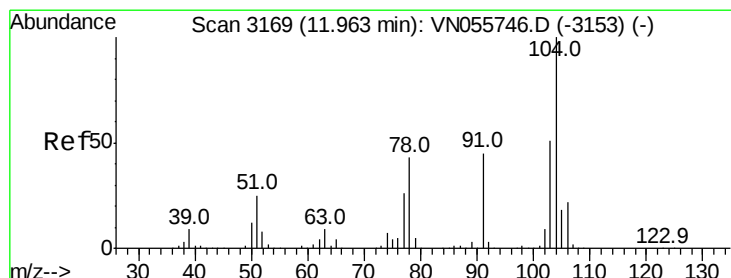
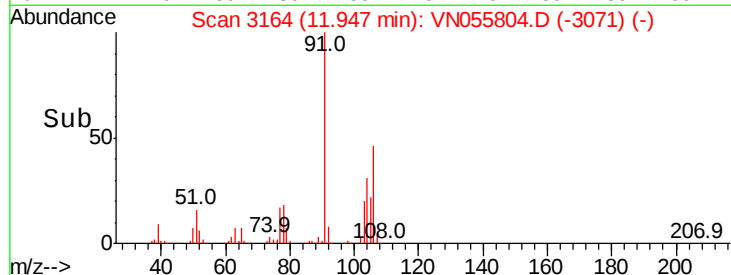
100000

50000

0

11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 19.668 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

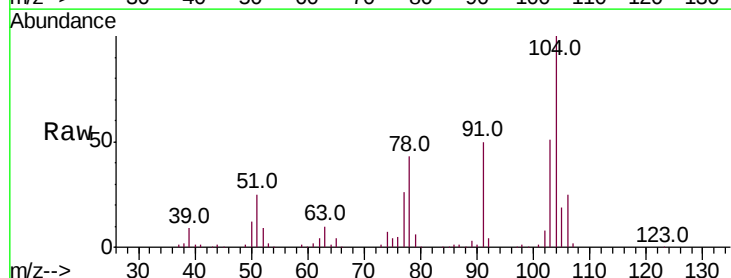
Tgt Ion:104 Resp: 199741

Ion Ratio Lower Upper

104 100

78 47.0 37.8 56.6

103 55.2 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

150000

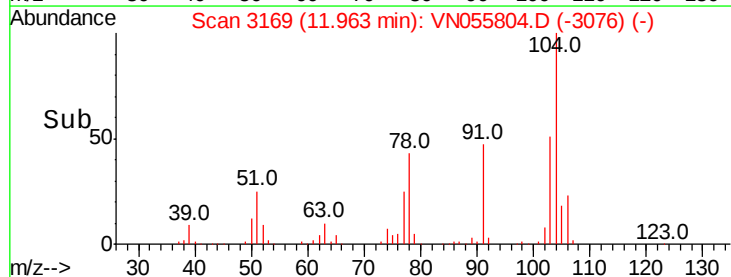
100000

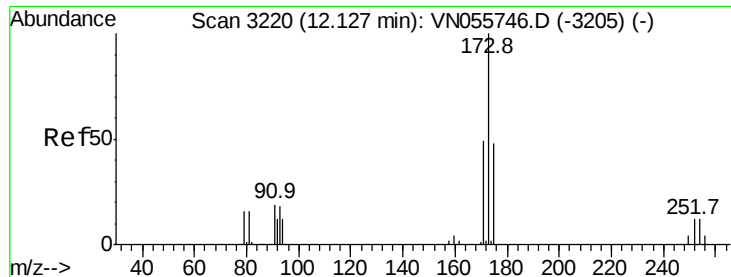
50000

0

11.90 11.96 12.00

Time-->





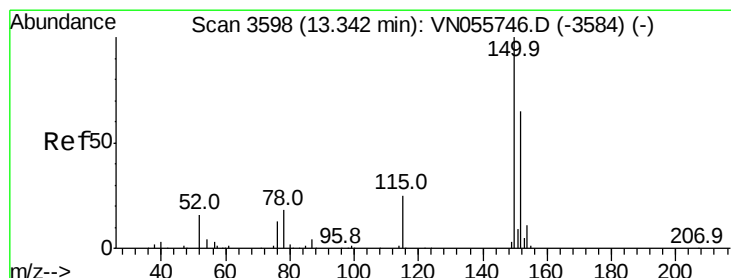
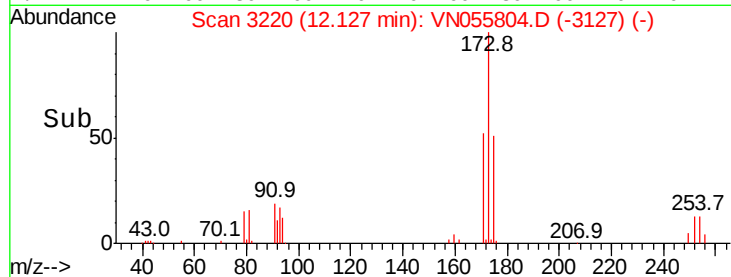
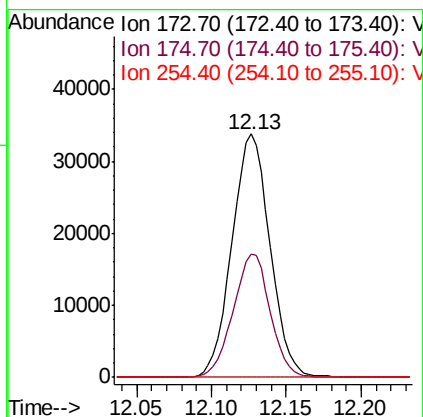
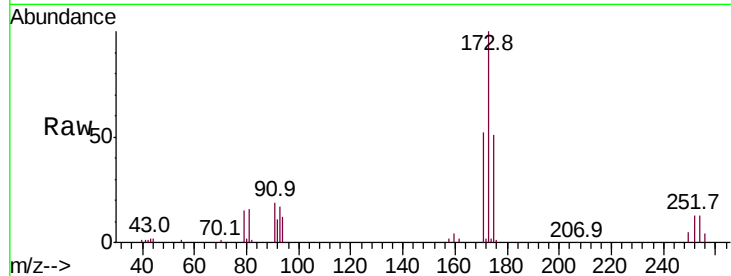
#71
Bromoform
Concen: 18.846 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.8
254	0.0	0.0	0.0

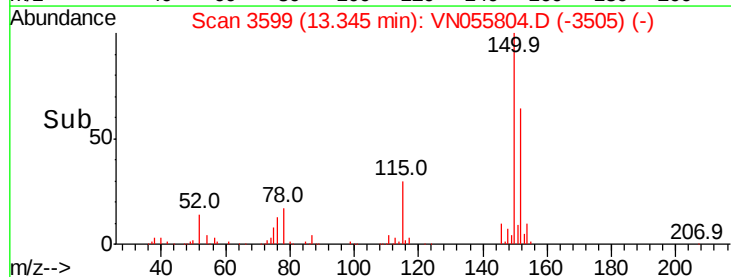
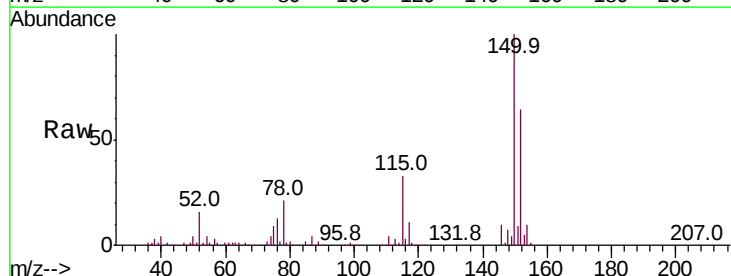
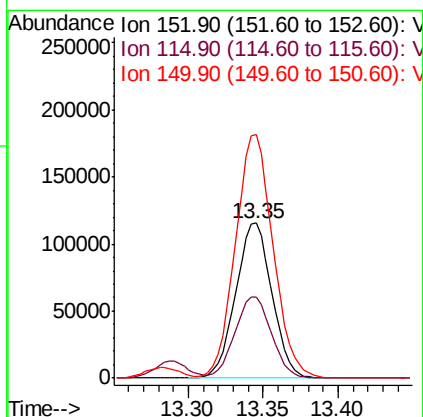
Manual Integrations
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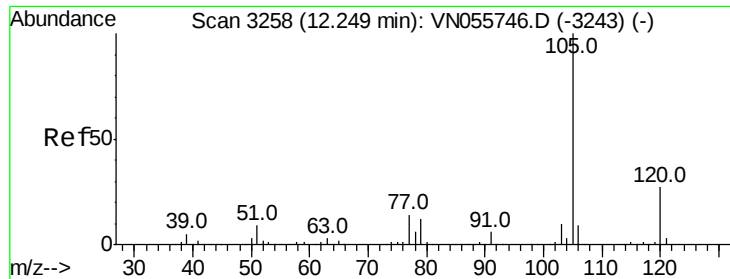
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.2	27.0	81.0
150	163.8	0.0	343.2





#73

Isopropylbenzene

Concen: 22.111 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

Tot Ion:105 Resp: 326629

Ion Ratio Lower Upper

105 100

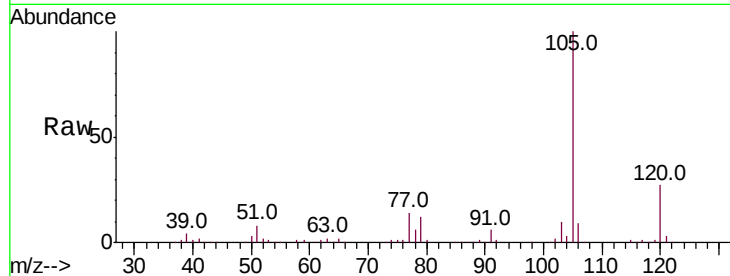
120 27.3 13.6 40.7

Manual Integrations

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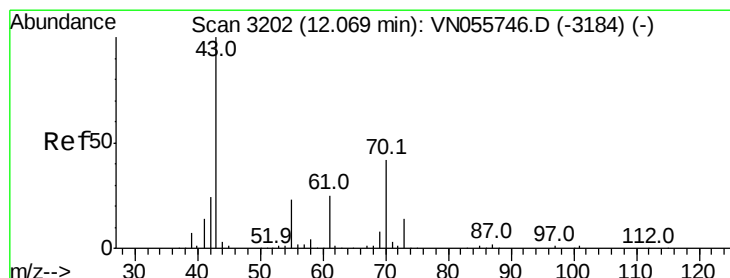
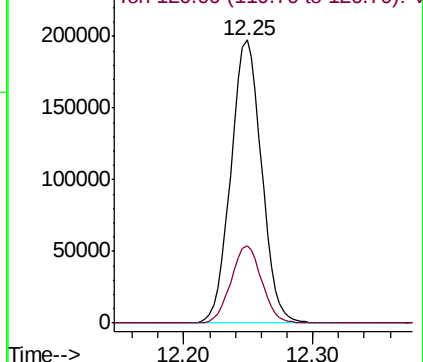
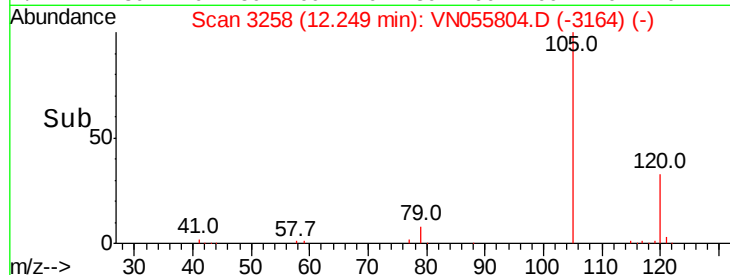
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.265 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Tgt Ion: 43 Resp: 113915

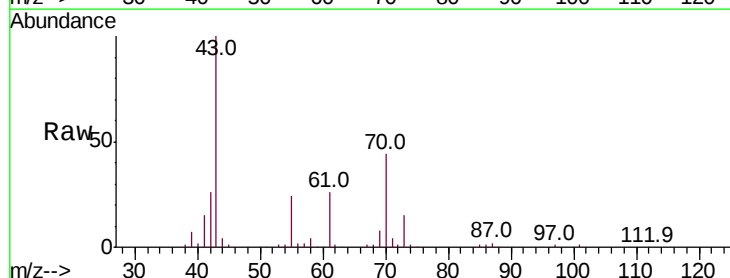
Ion Ratio Lower Upper

43 100

70 43.9 34.0 51.0

55 24.6 18.6 28.0

61 25.3 20.0 30.0

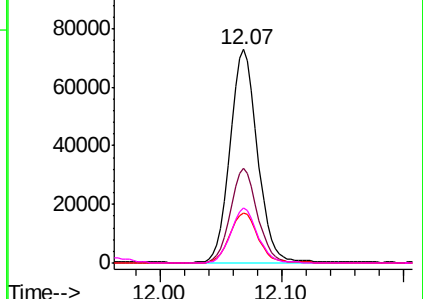
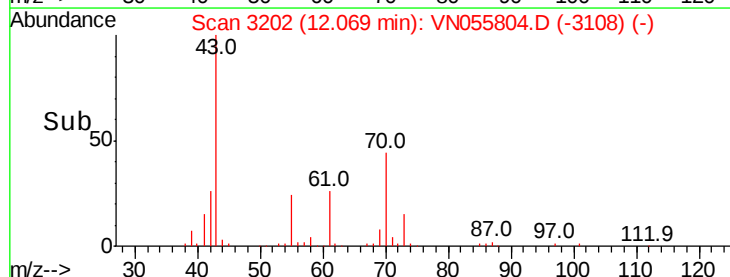


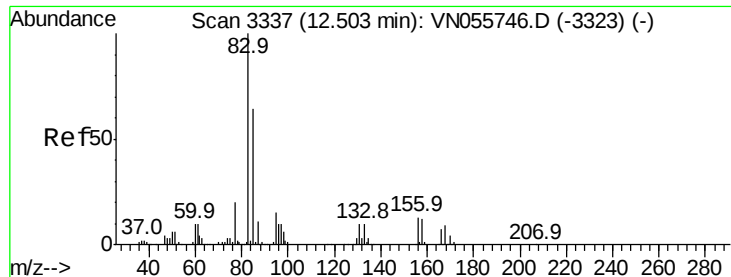
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.793 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

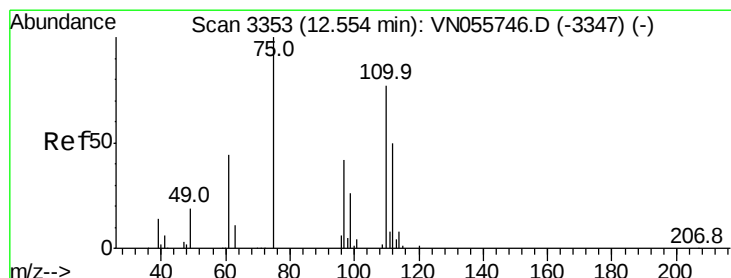
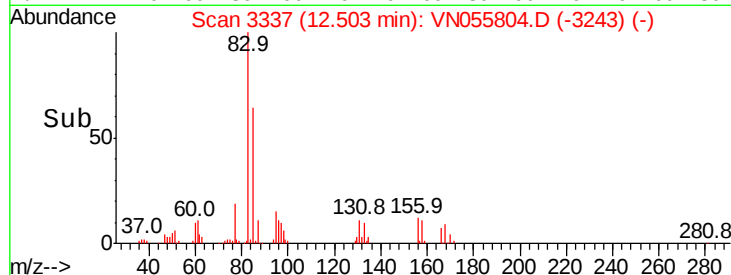
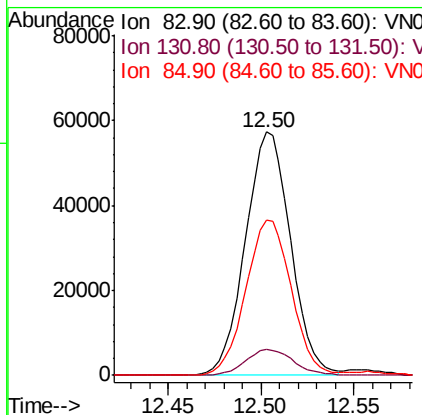
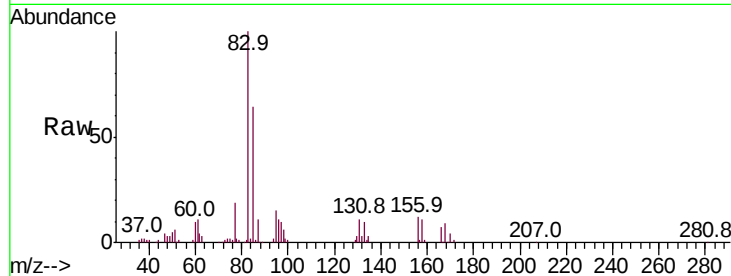
ClientSampleId :

VN0524WBSD02

Tot Ion:	83	Resp:	96993
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	64.5	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 24.280 ug/l m

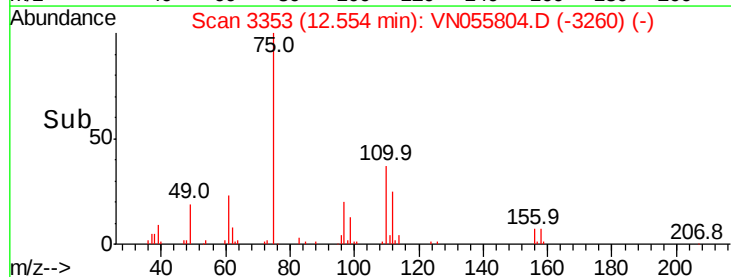
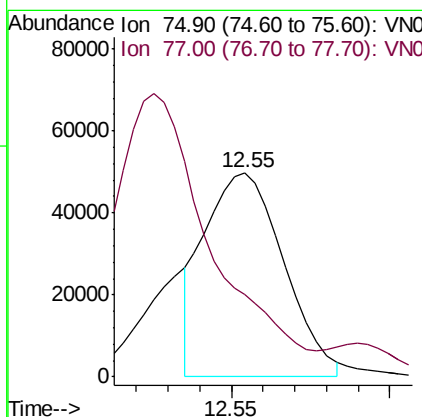
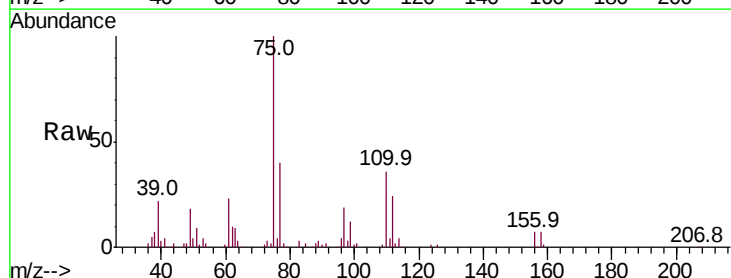
RT: 12.55 min Scan# 3353

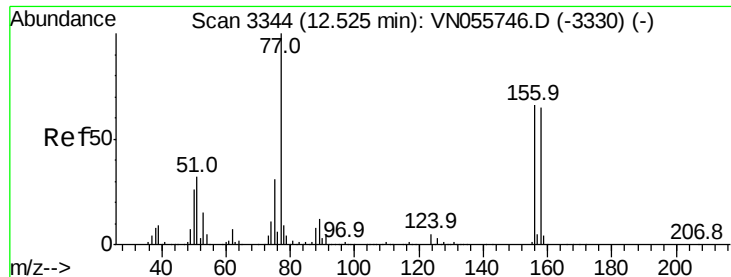
Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Tgt Ion:	75	Resp:	86776
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.624 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

Tot Ion:156 Resp: 85633

Ion Ratio Lower Upper

156 100

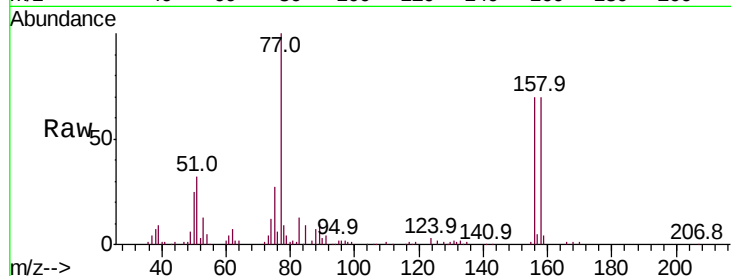
77 176.5 90.8 272.5

158 99.3 49.3 147.8

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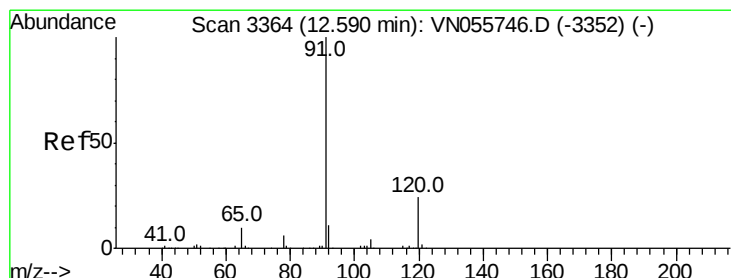
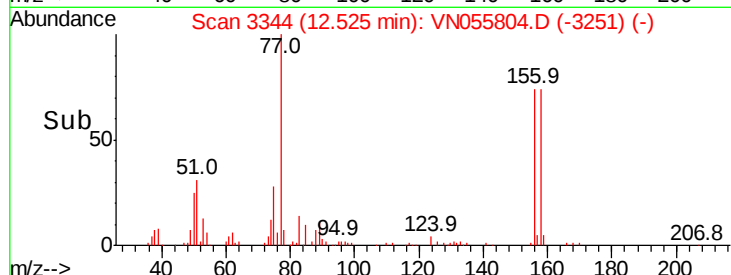
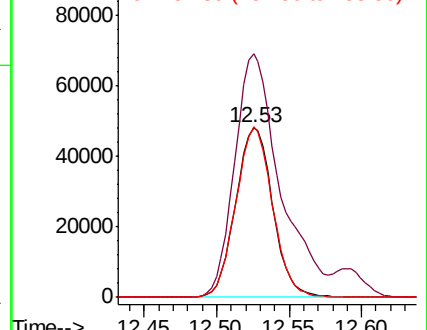
5/28/2019 10:36:05 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.719 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055804.D

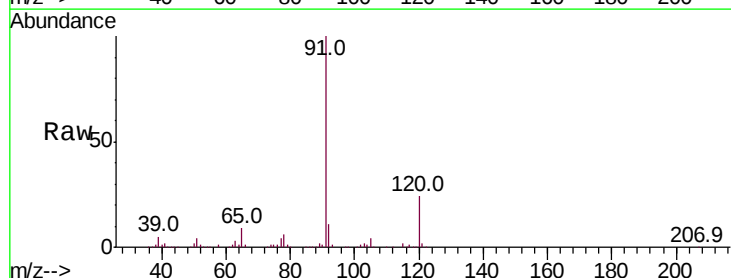
Acq: 24 May 2019 18:38

Tgt Ion: 91 Resp: 333473

Ion Ratio Lower Upper

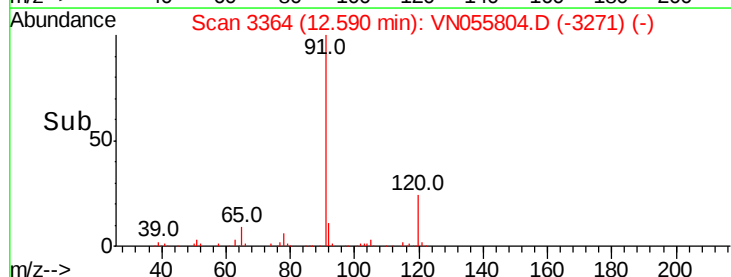
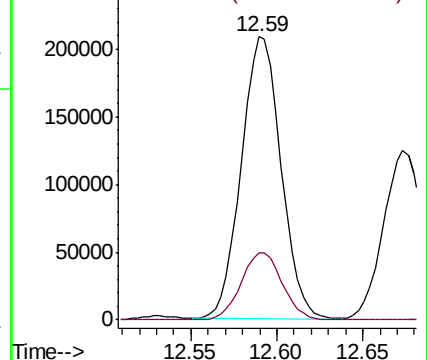
91 100

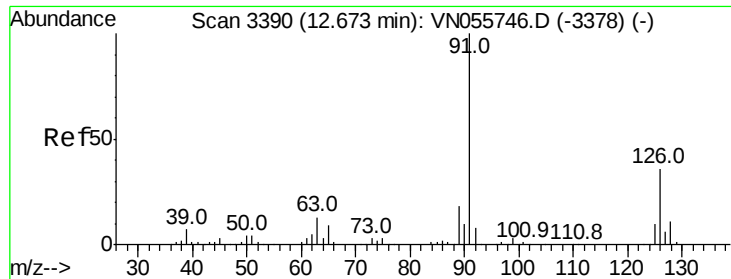
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.392 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

Tot Ion: 91 Resp: 208145

Ion Ratio Lower Upper

91 100

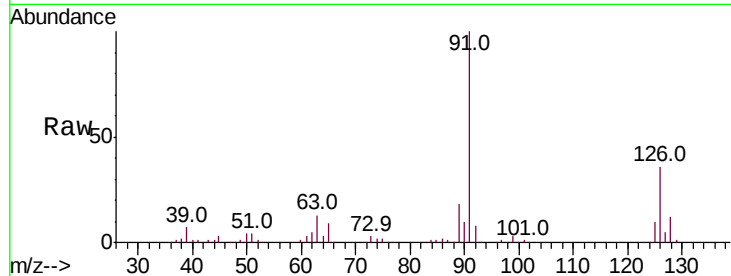
126 36.3 18.1 54.4

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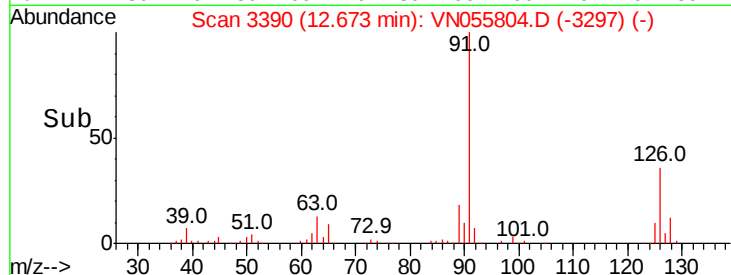
5/28/2019 10:36:05 AM



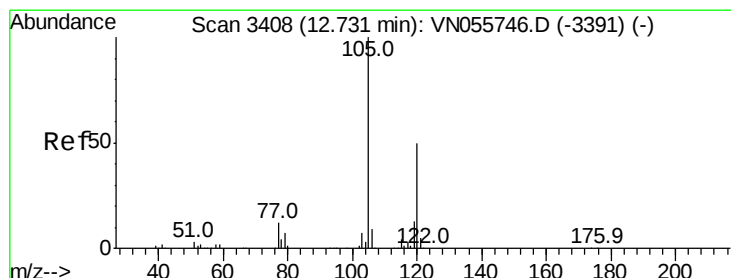
Abundance Ion 91.00 (90.70 to 91.70): VN055804.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN055804.D (-3297) (-)

12.67



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.322 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055804.D

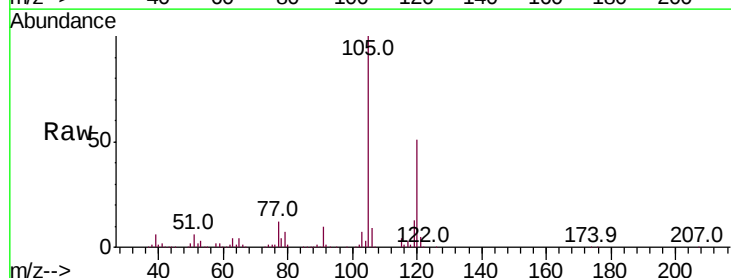
Acq: 24 May 2019 18:38

Tgt Ion:105 Resp: 265517

Ion Ratio Lower Upper

105 100

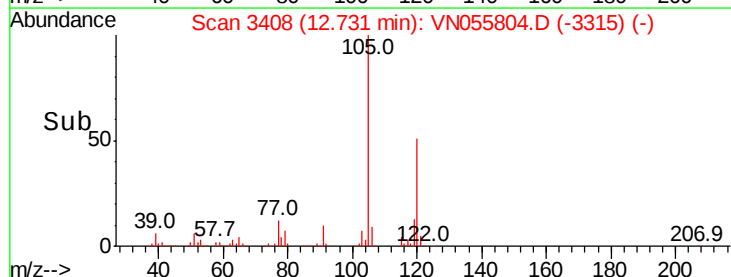
120 50.3 24.7 74.1



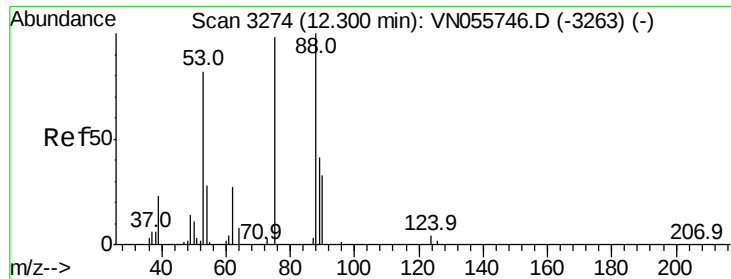
Abundance Ion 105.00 (104.70 to 105.70): VN055804.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN055804.D (-3315) (-)

12.73



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 17.674 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

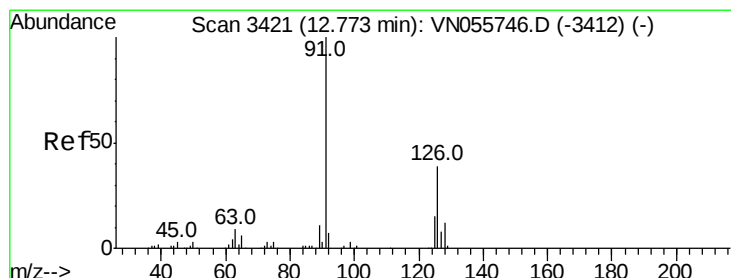
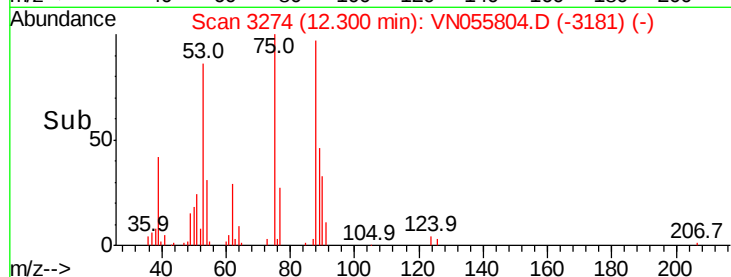
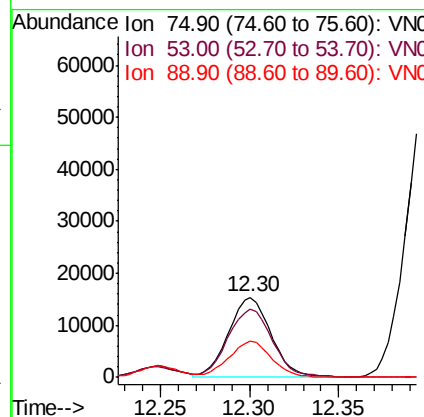
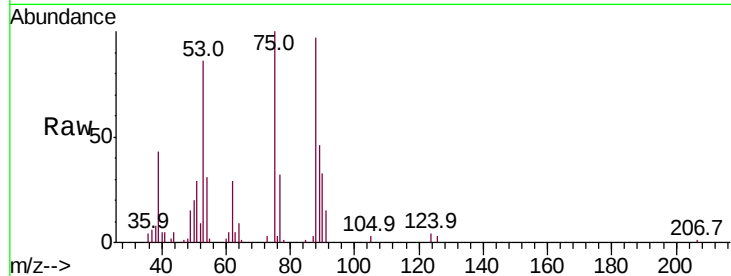
ClientSampleId :

VN0524WBSD02

Tot Ion:	75	Resp:	25559
Ion	Ratio	Lower	Upper
75	100		
53	89.5	68.1	102.1
89	44.8	36.9	55.3

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#82

4-Chlorotoluene

Concen: 19.859 ug/l

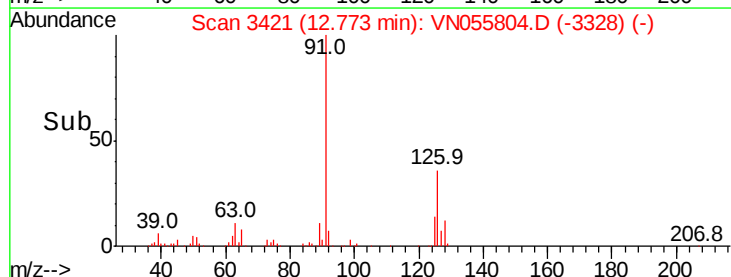
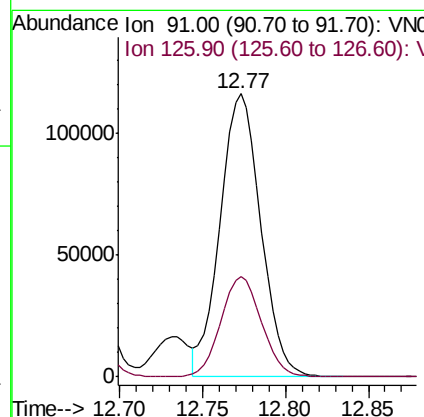
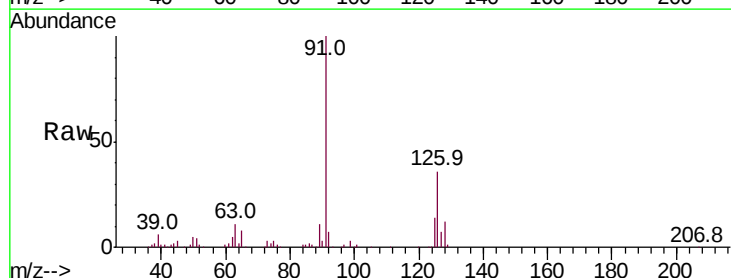
RT: 12.77 min Scan# 3421

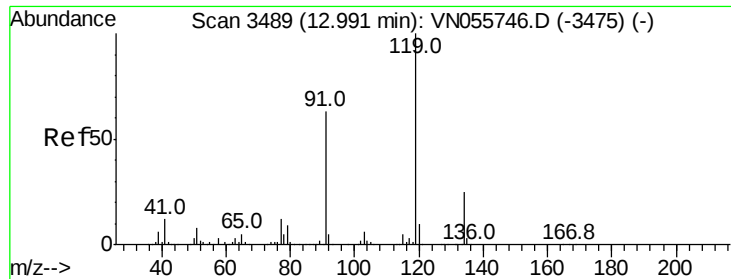
Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Tgt Ion:	91	Resp:	197415
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.8	53.3





#83

tert-Butylbenzene

Concen: 21.832 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

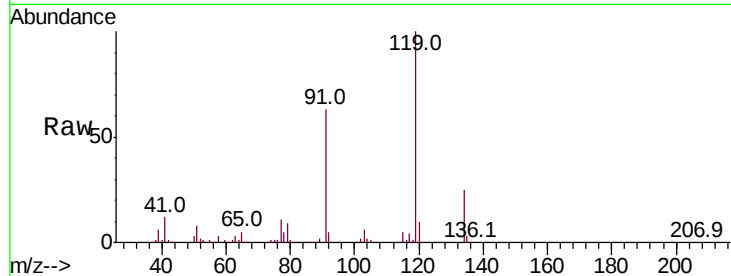
ClientSampleId :

VN0524WBSD02

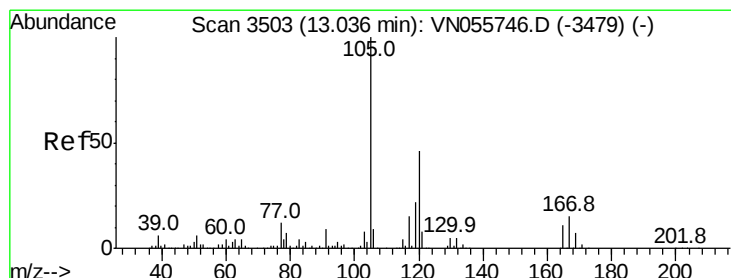
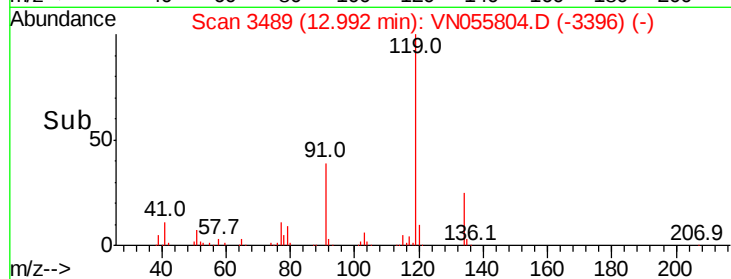
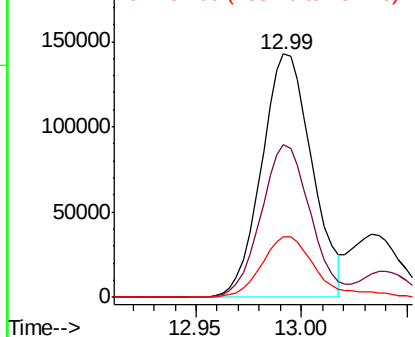
Tot Ion:	119	Resp:	237030
Ion Ratio	Lower	Upper	
119	100		
91	61.5	30.9	92.8
134	26.9	13.3	39.8

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.270 ug/l

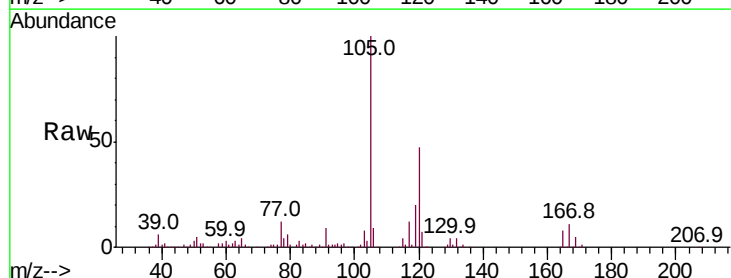
RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

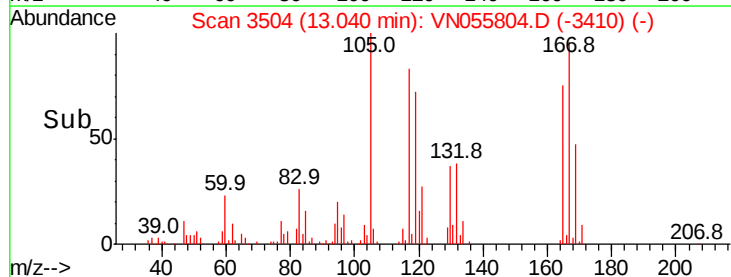
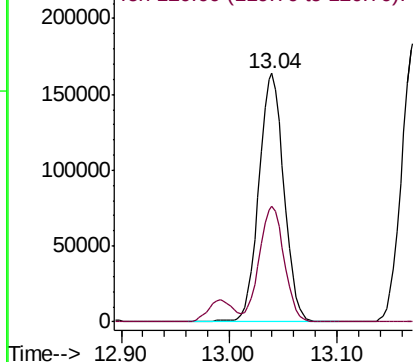
Lab File: VN055804.D

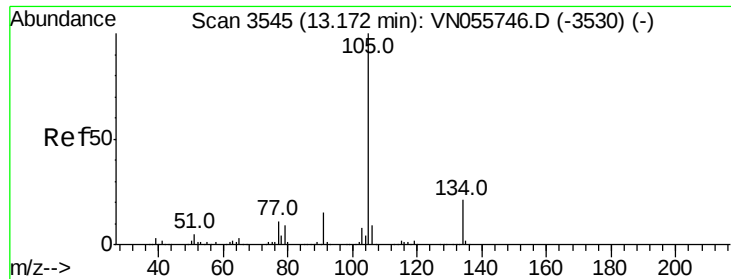
Acq: 24 May 2019 18:38

Tgt Ion:	105	Resp:	263044
Ion Ratio	Lower	Upper	
105	100		
120	46.5	23.0	69.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.152 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

Tot Ion:105 Resp: 294907

Ion Ratio Lower Upper

105 100

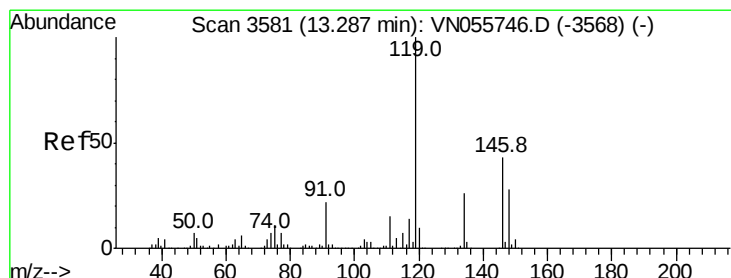
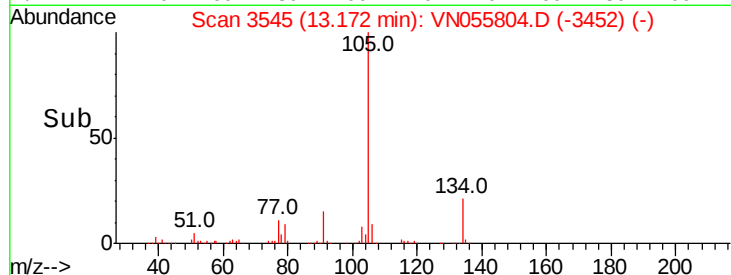
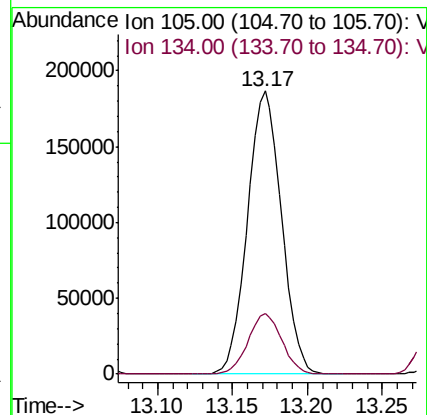
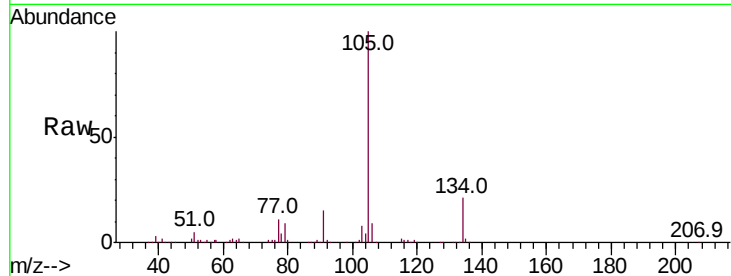
134 21.3 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 19.866 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

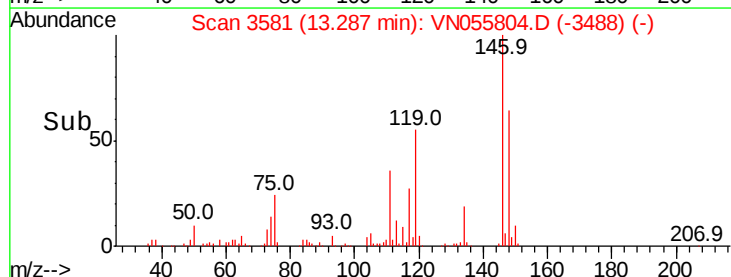
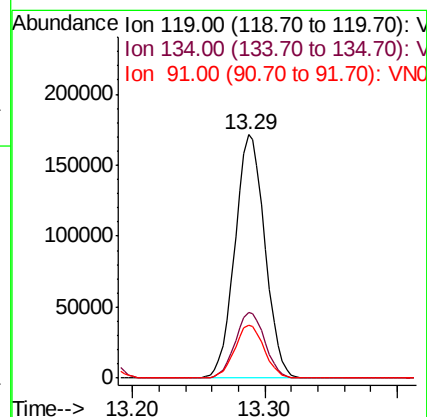
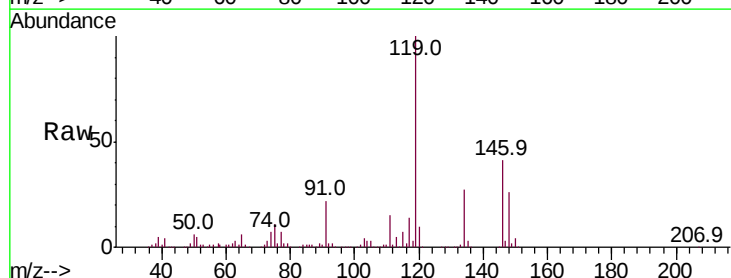
Tgt Ion:119 Resp: 268434

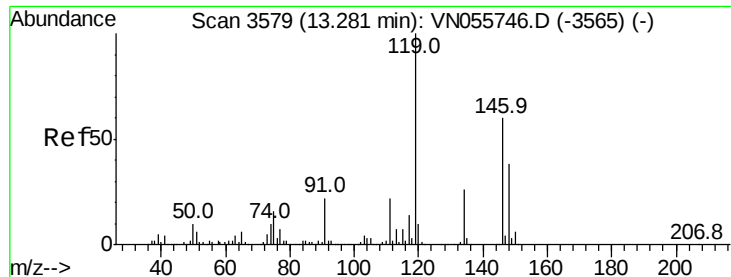
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 21.5 10.9 32.9





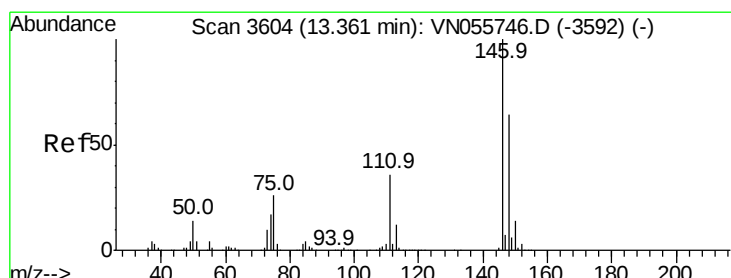
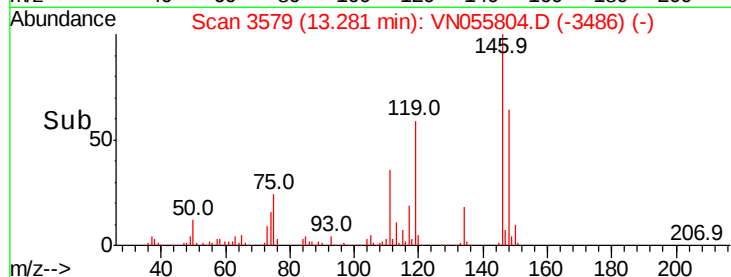
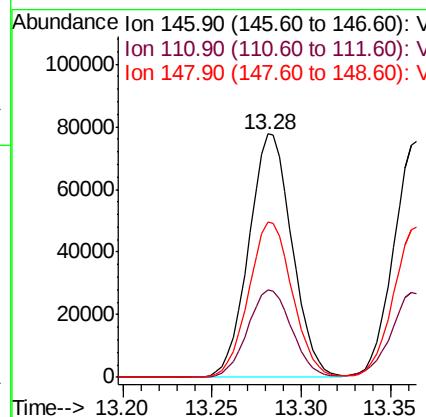
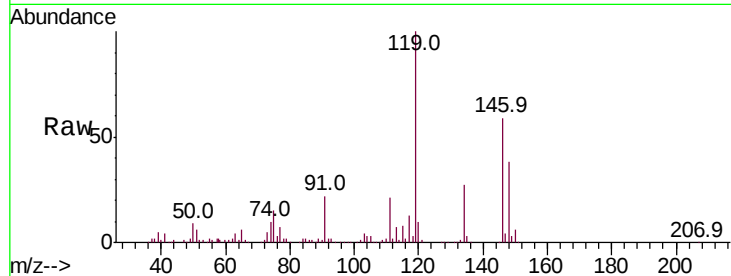
#87
 1,3-Dichlorobenzene
 Concen: 20.048 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0524WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	131804		
111	36.6	18.5	55.5	
148	64.3	32.0	96.2	

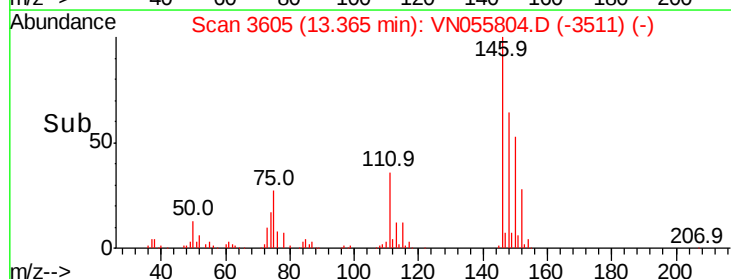
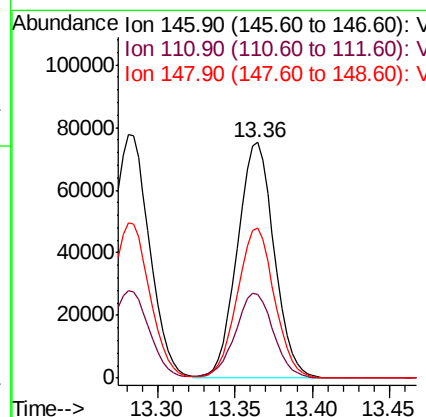
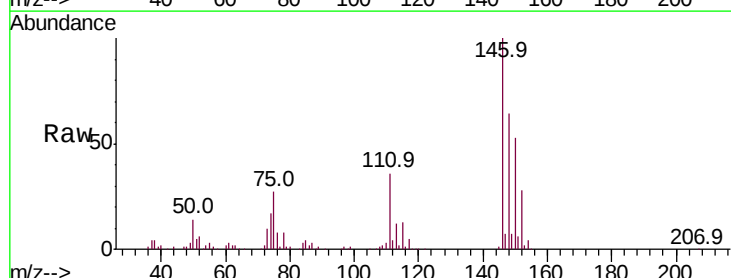
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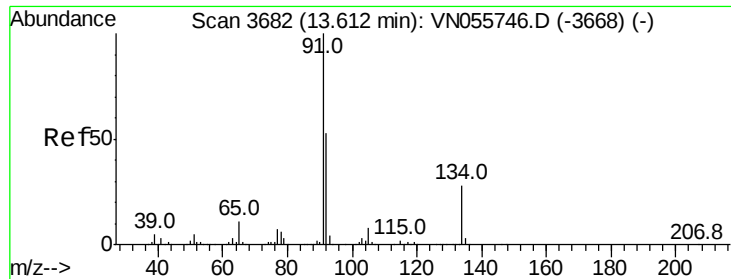
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#88
 1,4-Dichlorobenzene
 Concen: 19.936 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	124615		
111	37.4	18.1	54.4	
148	64.2	32.1	96.5	





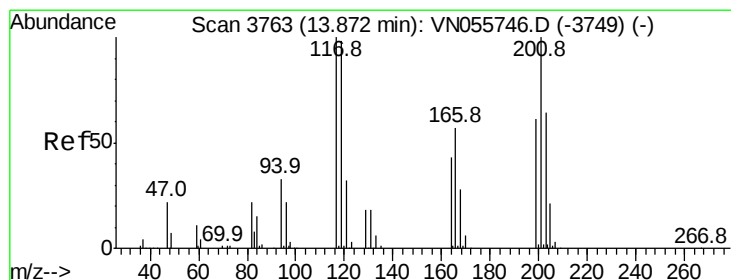
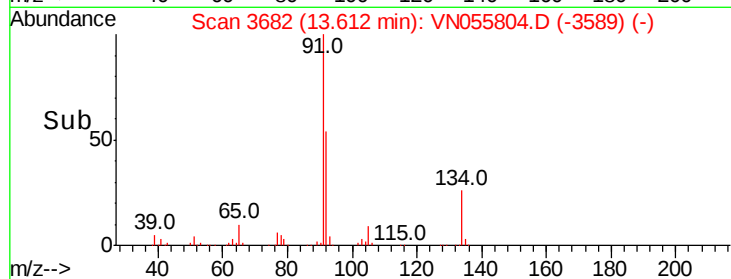
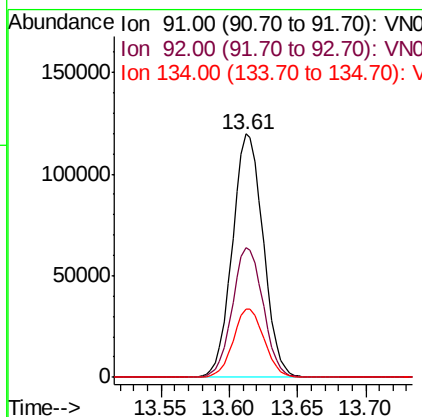
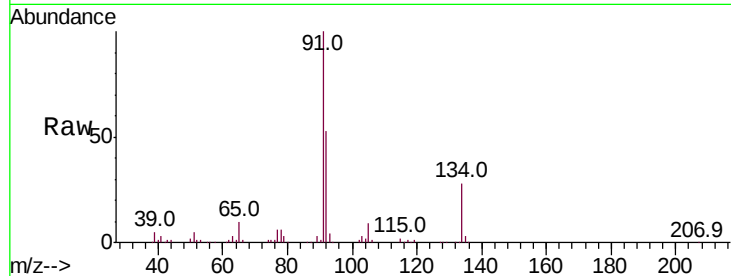
#89
n-Butylbenzene
Concen: 18.184 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.2	26.4	79.0	
134	28.1	13.9	41.7	

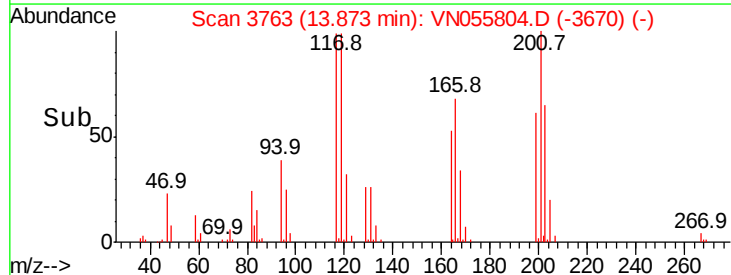
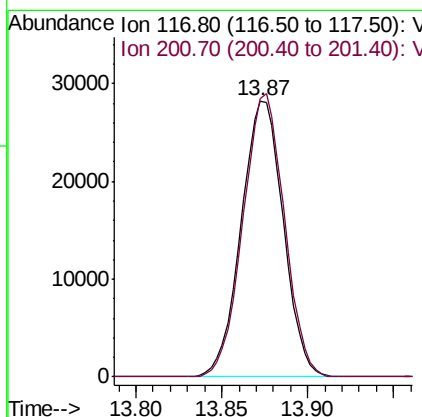
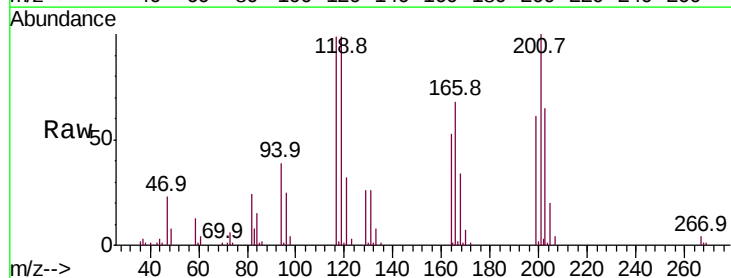
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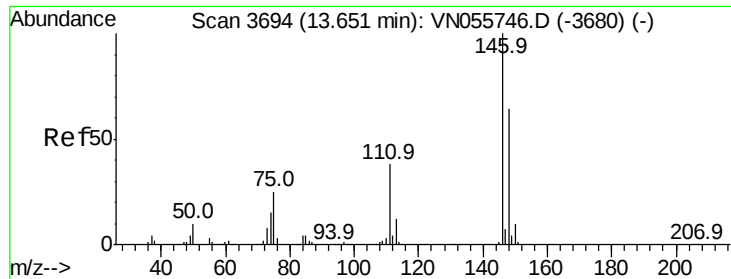
MMDadoda
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#90
Hexachloroethane
Concen: 18.679 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	100.7	50.0	150.0	





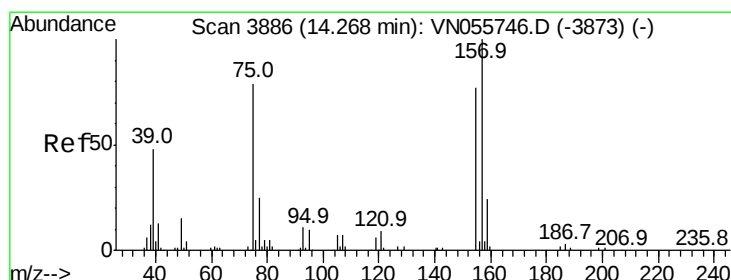
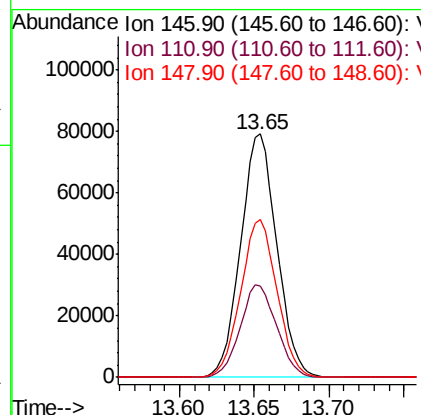
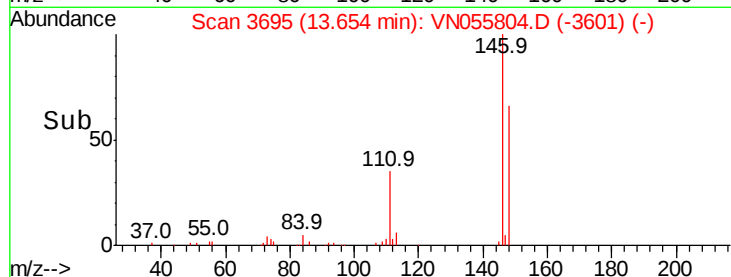
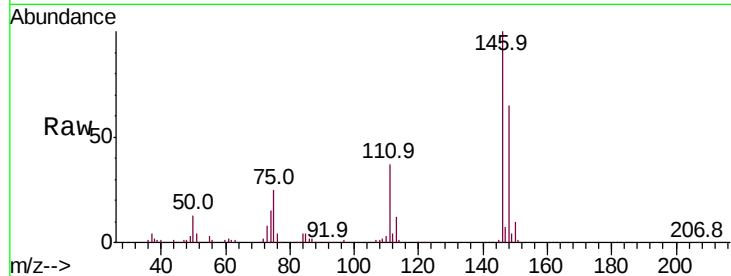
#91
 1,2-Dichlorobenzene
 Concen: 20.290 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.5
148	65.0	31.9	95.9

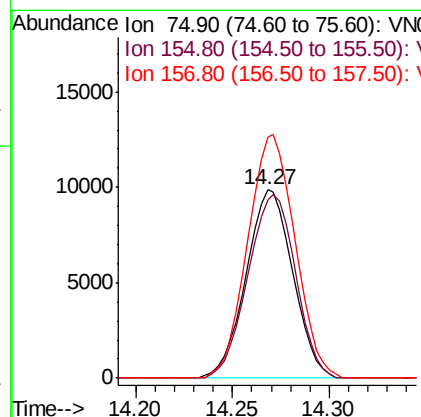
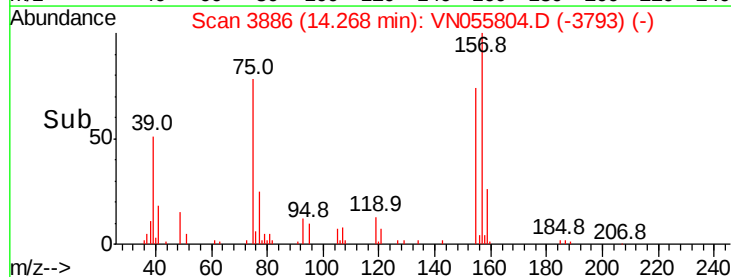
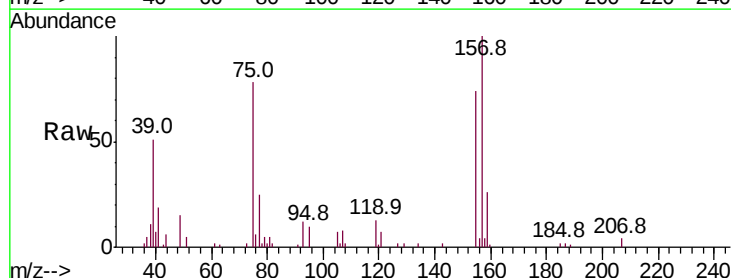
Manual Integrations
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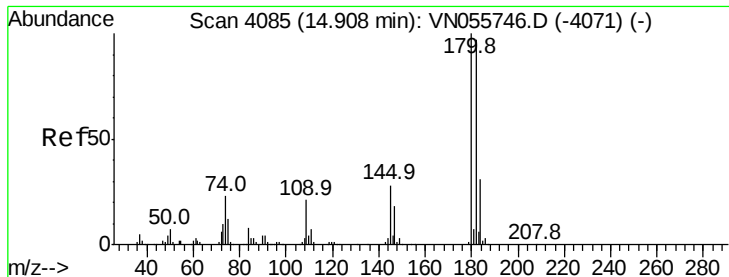
MMDadoda
 5/28/2019 10:36:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.269 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.9	50.0	150.1
157	130.5	64.8	194.3





#93

1,2,4-Trichlorobenzene

Concen: 18.306 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

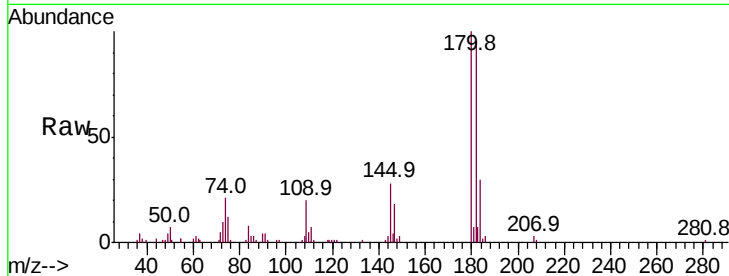
ClientSampleId :

VN0524WBSD02

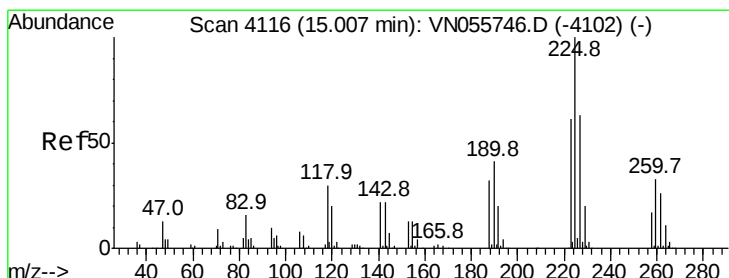
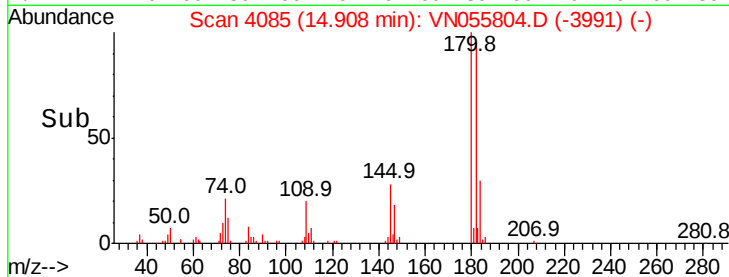
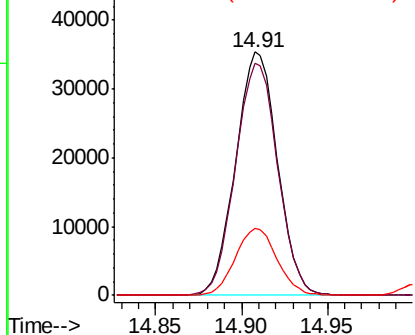
Tot Ion:	180	Resp:	59703
Ion Ratio	Lower	Upper	
180	100		
182	96.5	48.3	144.9
145	27.3	14.0	41.9

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



#94

Hexachlorobutadiene

Concen: 20.365 ug/l

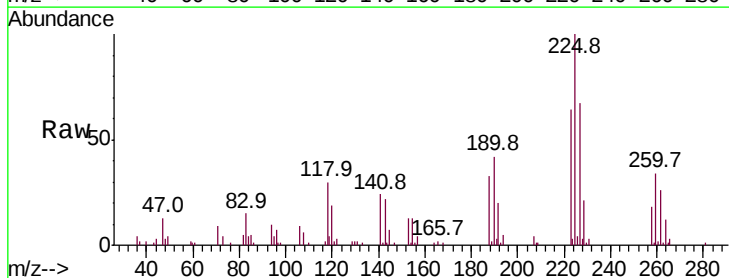
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

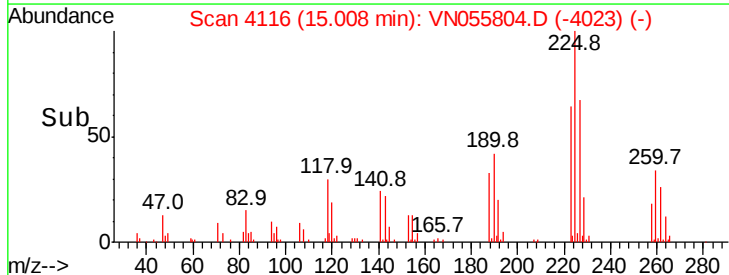
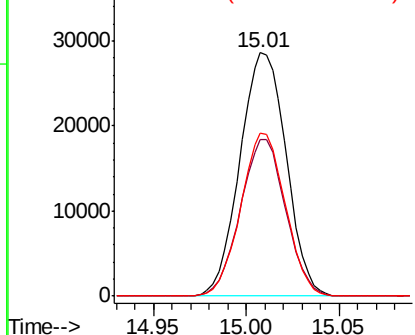
Lab File: VN055804.D

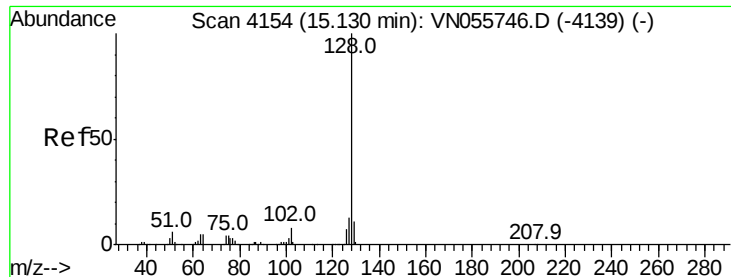
Acq: 24 May 2019 18:38

Tgt Ion:	225	Resp:	49510
Ion Ratio	Lower	Upper	
225	100		
223	62.9	30.9	92.7
227	64.4	31.6	94.7



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





#95

Naphthalene

Concen: 18.274 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

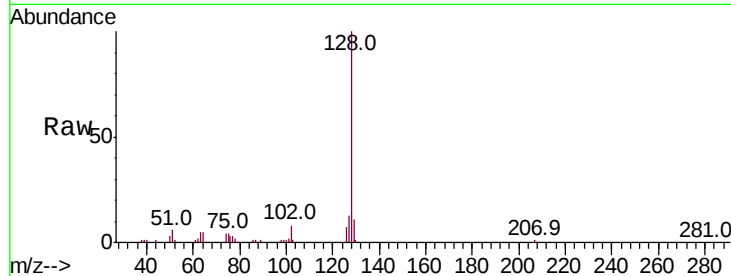
ClientSampleId :

VN0524WBSD02

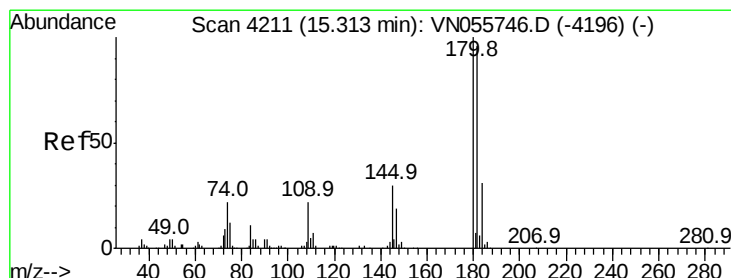
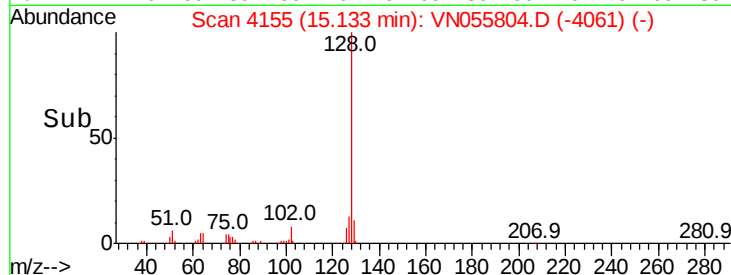
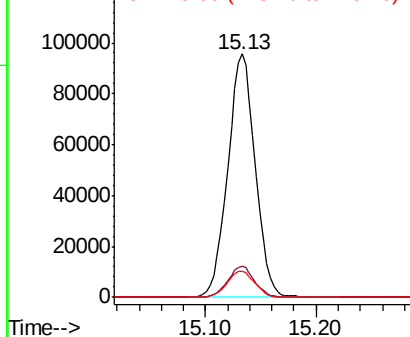
Tot Ion:	128	Resp:	164478
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.3	15.5
129	10.9	8.7	13.1

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.203 ug/l

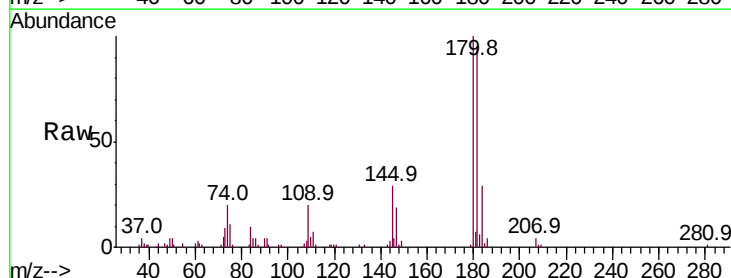
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Tgt Ion:	180	Resp:	66582
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.9	143.7
145	28.8	14.9	44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

