

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101818\
 Data File : VN051916.D
 Acq On : 18 Oct 2018 15:08
 Operator : MD\SY
 Sample : VN1018WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 4:37:56 PM

Quant Time: Oct 19 07:06:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 05:11:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	985855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1467108	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1294569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	560294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	451500	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	7.59	113	453129	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	10.09	98	1625664	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
62) 4-Bromofluorobenzene	12.40	95	513835	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	109410	18.34	ug/l	99
3) Chloromethane	2.06	50	111964	19.21	ug/l	97
4) Vinyl Chloride	2.18	62	170462	19.36	ug/l	99
5) Bromomethane	2.57	94	152706	20.00	ug/l	96
6) Chloroethane	2.70	64	132369	20.72	ug/l	95
7) Trichlorofluoromethane	3.01	101	264801	19.52	ug/l	98
8) Diethyl Ether	3.41	74	81612	20.54	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	158788	20.40	ug/l	98
10) Methyl Iodide	3.95	142	184680	20.12	ug/l	98
11) Tert butyl alcohol	4.80	59	51871	97.13	ug/l	99
12) 1,1-Dichloroethene	3.73	96	147282	20.76	ug/l	98
13) Acrolein	3.61	56	33798	75.28	ug/l	98
14) Allyl chloride	4.33	41	151131	19.67	ug/l	99
15) Acrylonitrile	4.99	53	204143	104.69	ug/l	99
16) Acetone	3.82	43	141354	87.34	ug/l	96
17) Carbon Disulfide	4.05	76	317818	17.97	ug/l	97
18) Methyl Acetate	4.33	43	99610	18.97	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	412190	20.16	ug/l	100
20) Methylene Chloride	4.55	84	164410	19.98	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	160169	19.64	ug/l	98
22) Diisopropyl ether	5.95	45	363603	20.30	ug/l	95
23) Vinyl Acetate	5.90	43	1222797	99.17	ug/l	99
24) 1,1-Dichloroethane	5.85	63	260176	20.06	ug/l	100
25) 2-Butanone	6.84	43	218369	94.41	ug/l	99
26) 2,2-Dichloropropane	6.83	77	239643	19.54	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	194464	20.52	ug/l	98
28) Bromochloromethane	7.20	49	110971	21.07	ug/l	97
29) Tetrahydrofuran	7.22	42	138500	98.04	ug/l	99
30) Chloroform	7.37	83	322046	20.76	ug/l	99
31) Cyclohexane	7.66	56	216788	18.91	ug/l	# 96
32) 1,1,1-Trichloroethane	7.57	97	294070	20.32	ug/l	99
36) 1,1-Dichloropropene	7.80	75	215515	18.93	ug/l	99
37) Ethyl Acetate	6.93	43	98187	17.90	ug/l	99
38) Carbon Tetrachloride	7.77	117	258535	19.28	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	270543	19.19	ug/l	98
40) Benzene	8.04	78	664064	19.96	ug/l	100
41) Methacrylonitrile	7.18	41	56872	21.99	ug/l #	72
42) 1,2-Dichloroethane	8.13	62	215720	20.24	ug/l	99
43) Isopropyl Acetate	8.17	43	198020	18.28	ug/l #	88
44) Trichloroethene	8.84	130	211195	20.23	ug/l	100
45) 1,2-Dichloropropane	9.12	63	155063	20.16	ug/l	97
46) Dibromomethane	9.21	93	118865	20.27	ug/l	99
47) Bromodichloromethane	9.40	83	233496	19.87	ug/l	98
48) Methyl methacrylate	9.20	41	89479	19.47	ug/l	99
49) 1,4-Dioxane	9.20	88	33269	381.05	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	524965	99.03	ug/l	100
52) Toluene	10.16	92	447050	20.09	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	207910	18.67	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	242890	19.56	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	163719	20.08	ug/l	99
56) Ethyl methacrylate	10.43	69	177248	19.44	ug/l	98
57) 1,3-Dichloropropane	10.71	76	249770	20.12	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	366497	89.13	ug/l	100
59) 2-Hexanone	10.75	43	331759	93.34	ug/l	99
60) Dibromochloromethane	10.90	129	185152	18.30	ug/l	99
61) 1,2-Dibromoethane	11.01	107	165869	19.40	ug/l	98
64) Tetrachloroethene	10.63	164	210237	20.23	ug/l	98
65) Chlorobenzene	11.43	112	511730	19.77	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	195053	20.25	ug/l	99
67) Ethyl Benzene	11.51	91	844299	19.91	ug/l	99
68) m/p-Xylenes	11.62	106	675241	39.66	ug/l	98
69) o-Xylene	11.95	106	335247	20.21	ug/l	98
70) Styrene	11.96	104	496345	19.45	ug/l	99
71) Bromoform	12.13	173	116361	18.25	ug/l #	99
73) Isopropylbenzene	12.25	105	889060	20.50	ug/l	99
74) N-amyl acetate	12.07	43	142392	19.09	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	182717	20.84	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	142250m	20.89	ug/l	
77) Bromobenzene	12.53	156	223314	20.23	ug/l	100
78) n-propylbenzene	12.59	91	923861	20.46	ug/l	99
79) 2-Chlorotoluene	12.67	91	549265	21.42	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	722550	20.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36775	17.90	ug/l	97
82) 4-Chlorotoluene	12.77	91	537966	20.39	ug/l	98
83) tert-Butylbenzene	12.99	119	662011	20.09	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	719172	20.86	ug/l	99
85) sec-Butylbenzene	13.17	105	860938	20.56	ug/l	99
86) p-Isopropyltoluene	13.29	119	757663	20.87	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	367506	19.76	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	357007	19.53	ug/l	99
89) n-Butylbenzene	13.62	91	538213	20.44	ug/l	99
90) Hexachloroethane	13.87	117	121742	20.05	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	370057	20.54	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24342	20.73	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	130776	17.29	ug/l	100
94) Hexachlorobutadiene	15.01	225	116949	20.50	ug/l	98
95) Naphthalene	15.13	128	255875	16.88	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	141228	18.14	ug/l	100

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

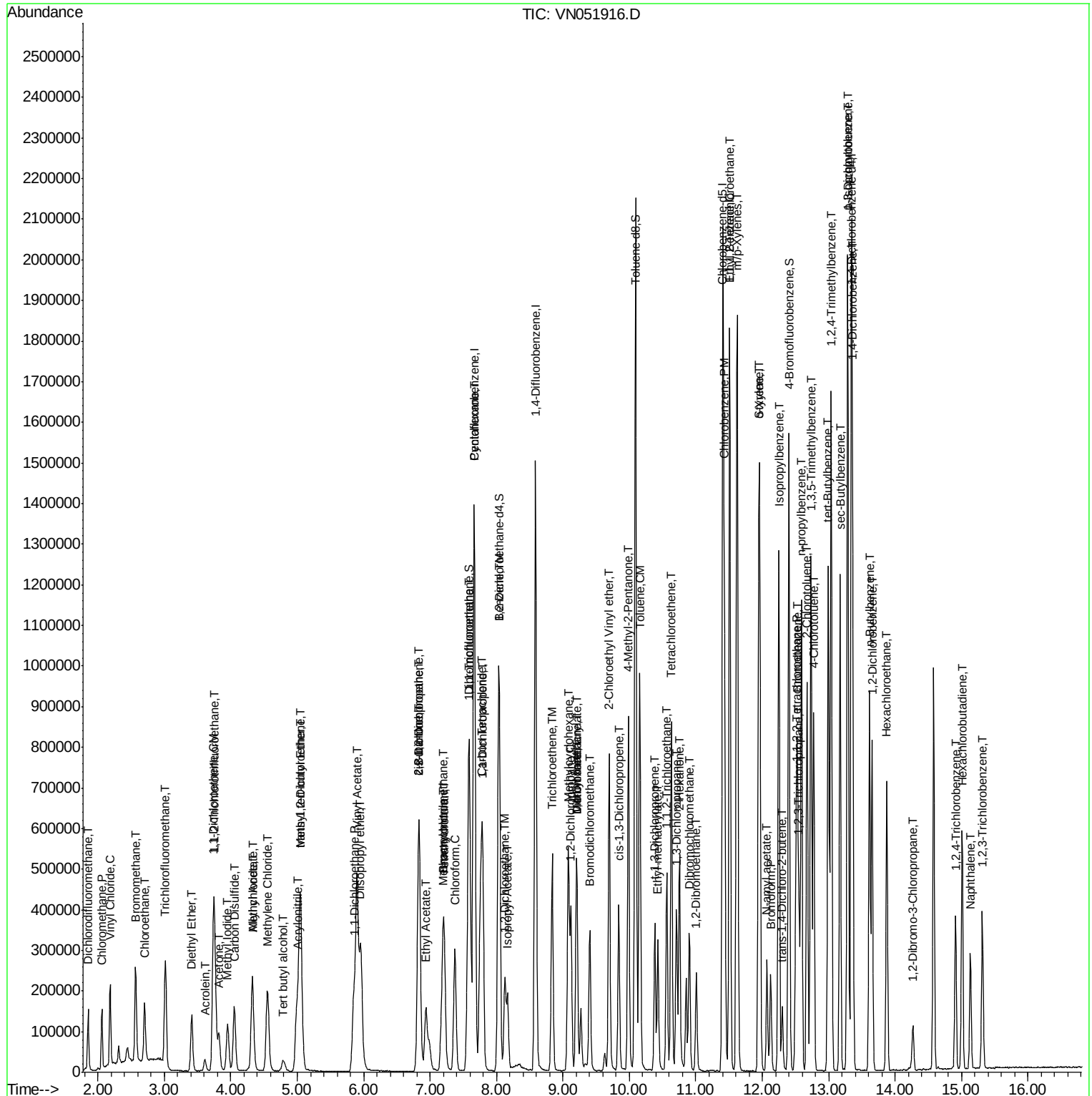
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Data File : VN051916.D
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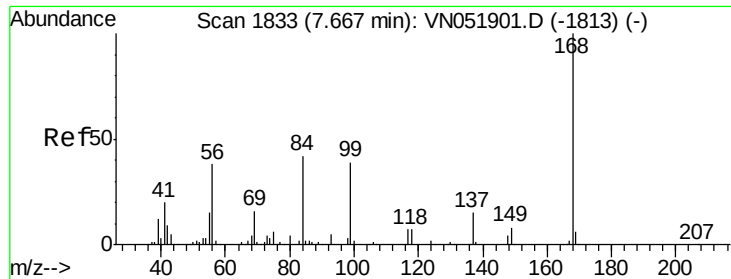
Instrument :
MSVOA_N
Client Sampled :
VN1018WBS02

Manual Integrations
APPROVED

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 19 05:11:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBS02

Tgt Ion: 168 Resp: 985855

Ion Ratio Lower Upper

168 100

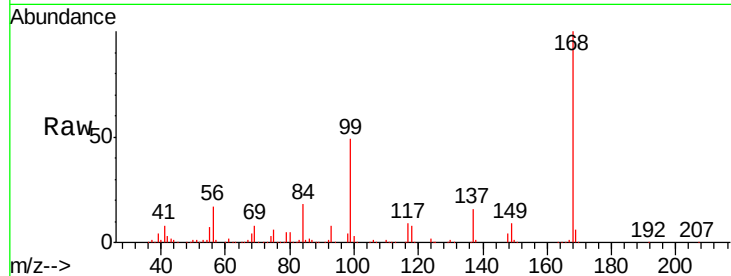
99 48.7 39.2 58.8

Manual Integrations

APPROVED

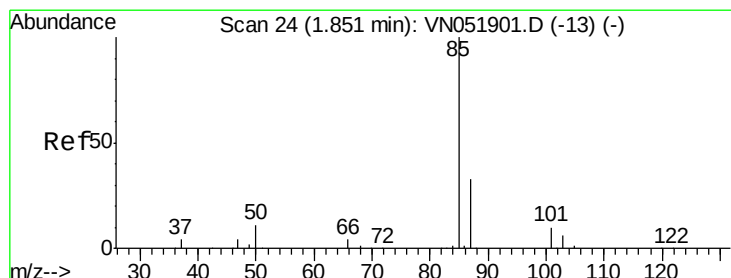
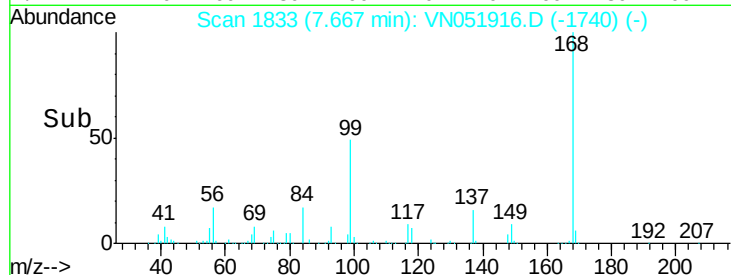
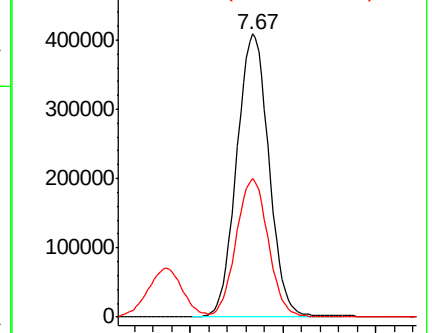
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.34 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051916.D

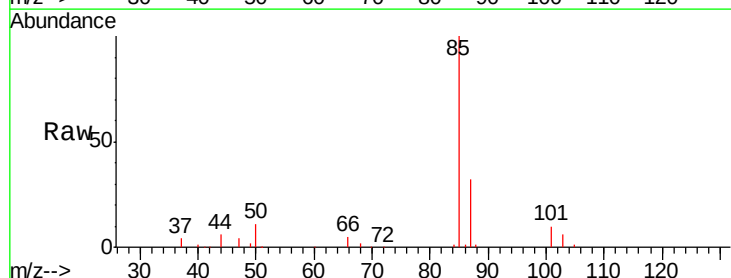
Acq: 18 Oct 2018 15:08

Tgt Ion: 85 Resp: 109410

Ion Ratio Lower Upper

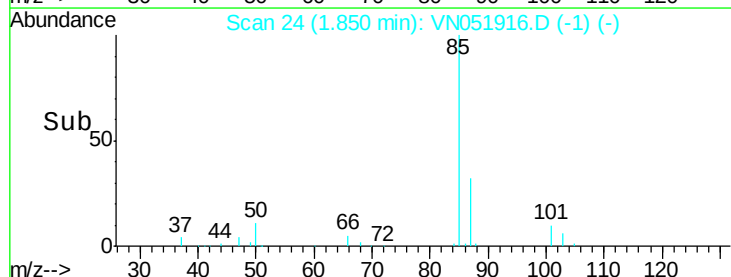
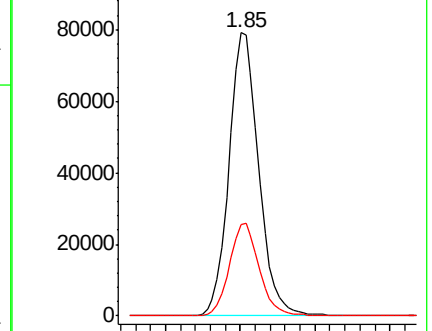
85 100

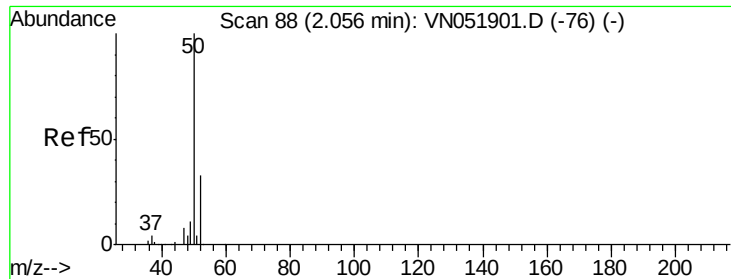
87 32.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.21 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBS02

Tgt Ion: 50 Resp: 111964

Ion Ratio Lower Upper

50 100

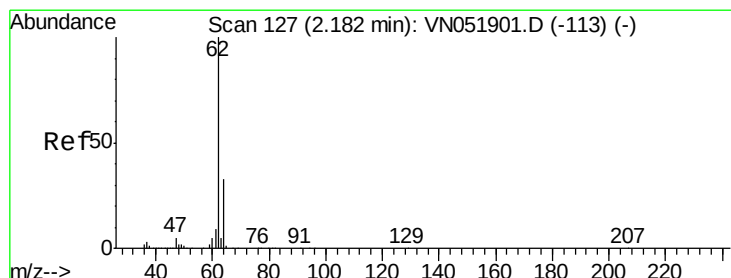
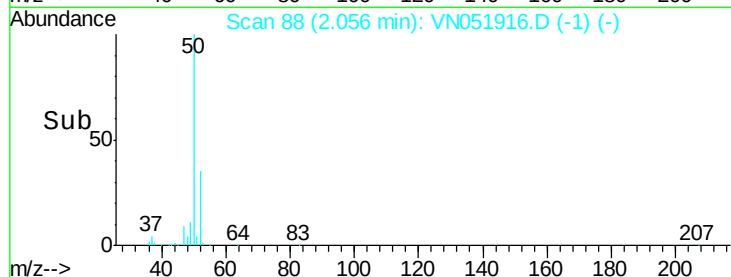
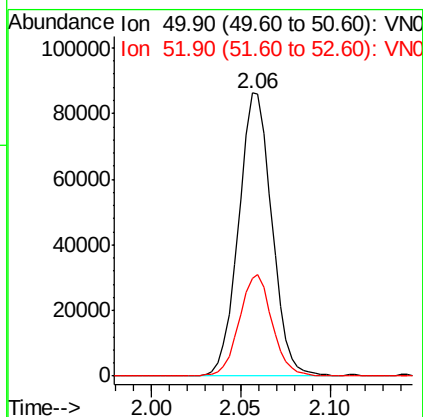
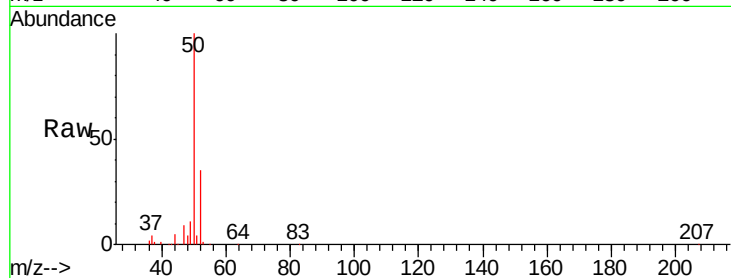
52 34.8 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.36 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051916.D

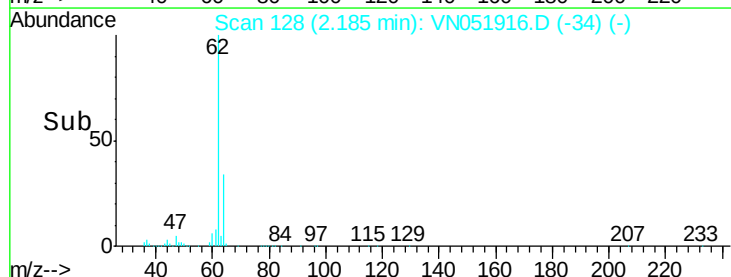
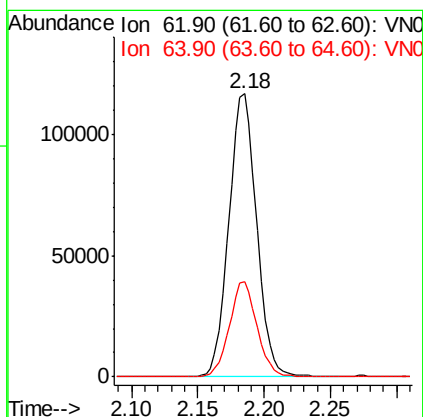
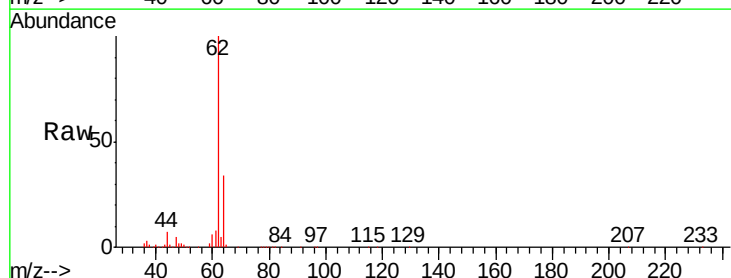
Acq: 18 Oct 2018 15:08

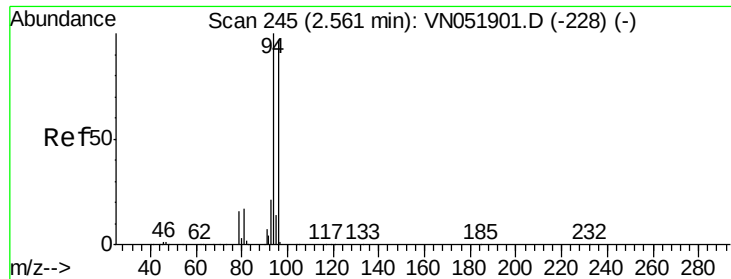
Tgt Ion: 62 Resp: 170462

Ion Ratio Lower Upper

62 100

64 33.4 26.2 39.2





#5

Bromomethane

Concen: 20.00 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

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ClientSampleId :

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Tgt Ion: 94 Resp: 152706

Ion Ratio Lower Upper

94 100

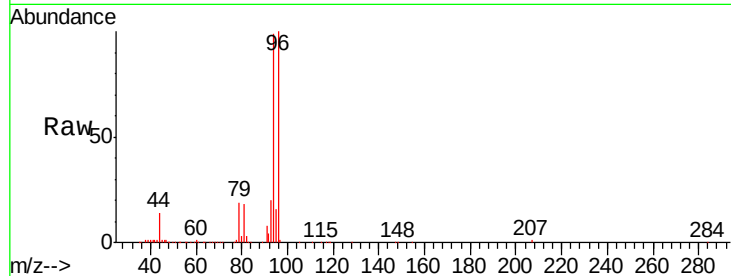
96 101.1 77.5 116.3

Manual Integrations

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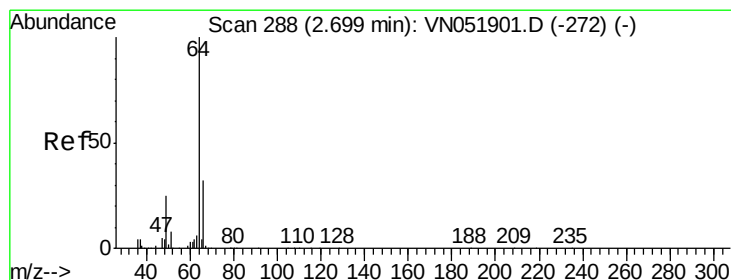
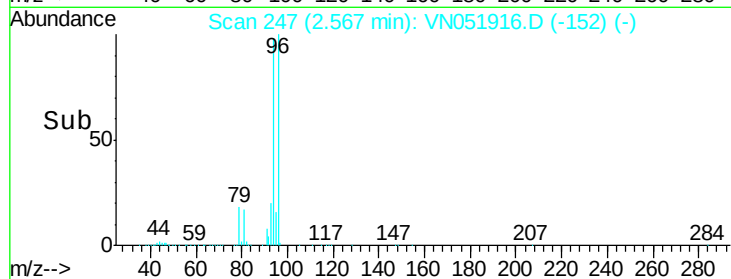
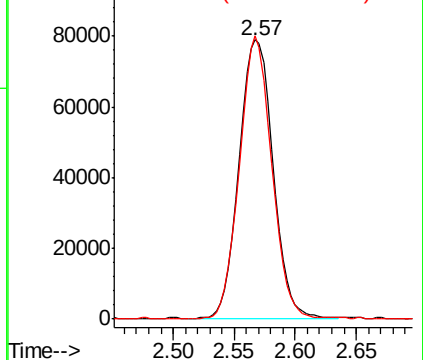
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.72 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051916.D

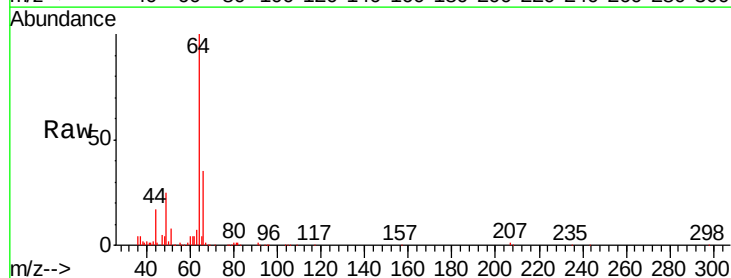
Acq: 18 Oct 2018 15:08

Tgt Ion: 64 Resp: 132369

Ion Ratio Lower Upper

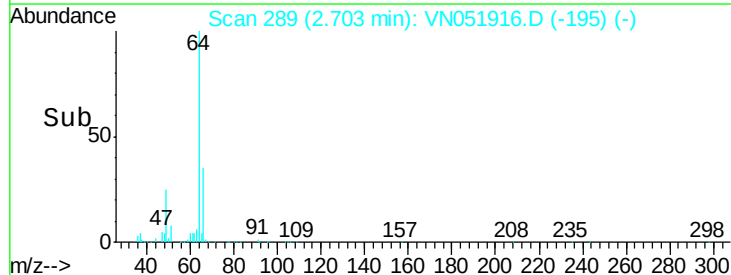
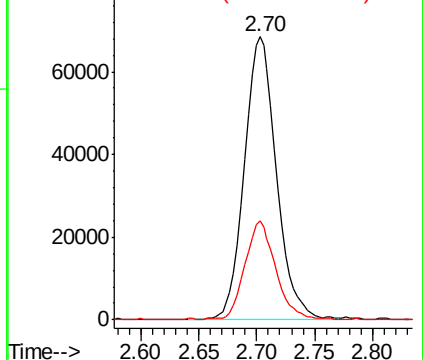
64 100

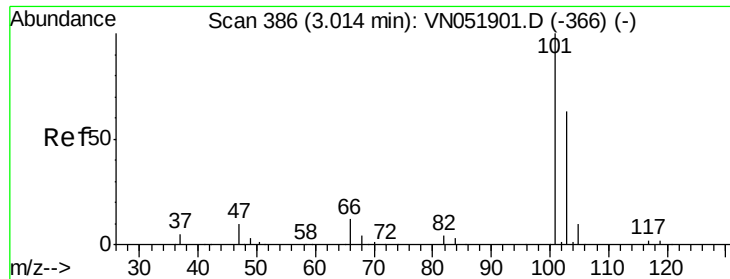
66 35.2 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 19.52 ug/l

RT: 3.01 min Scan# 386

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

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ClientSampleId :

VN1018WBS02

Tgt Ion: 101 Resp: 264801

Ion Ratio Lower Upper

101 100

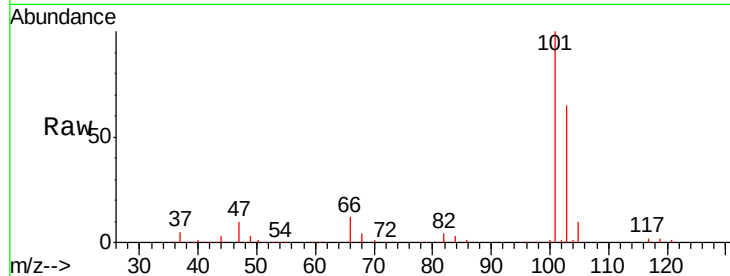
103 65.0 50.8 76.2

Manual Integrations

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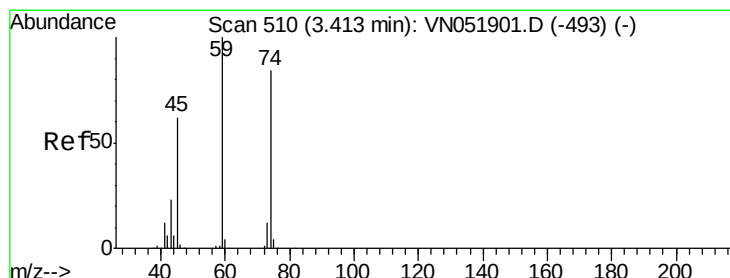
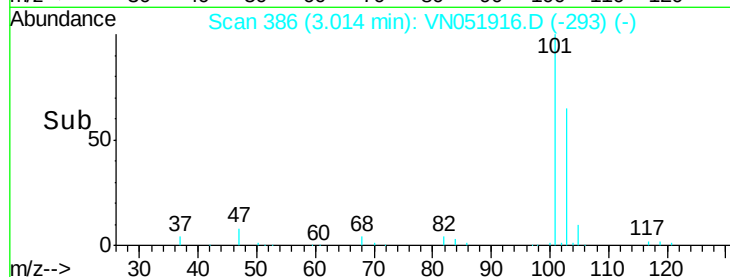
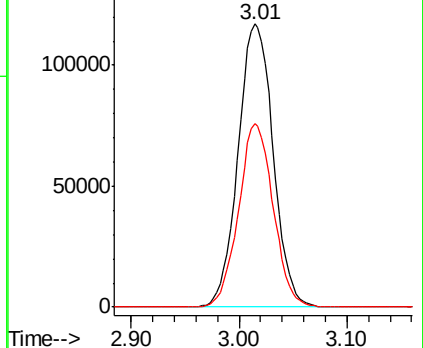
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.54 ug/l

RT: 3.41 min Scan# 510

Delta R.T. -0.00 min

Lab File: VN051916.D

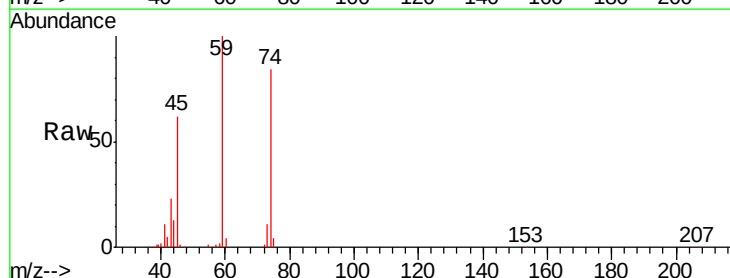
Acq: 18 Oct 2018 15:08

Tgt Ion: 74 Resp: 81612

Ion Ratio Lower Upper

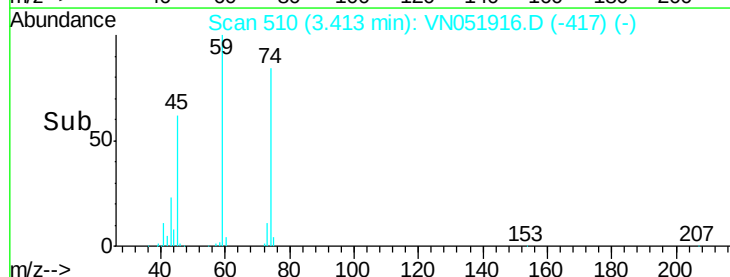
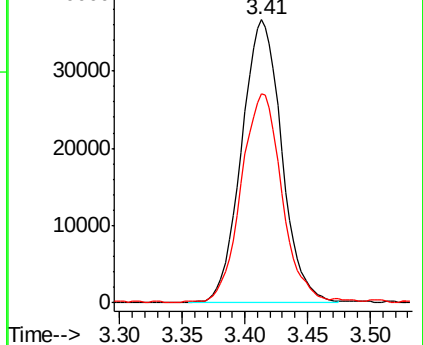
74 100

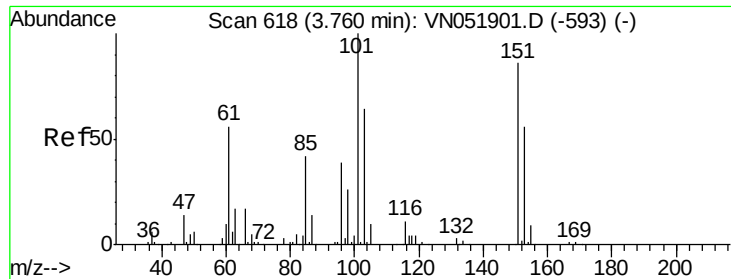
45 73.4 36.8 110.3



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.40 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

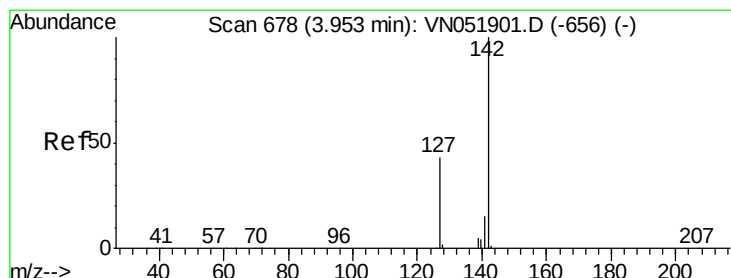
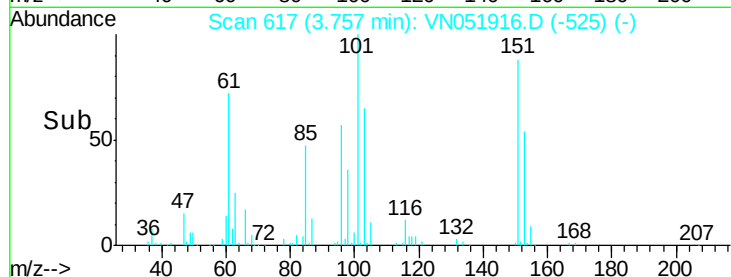
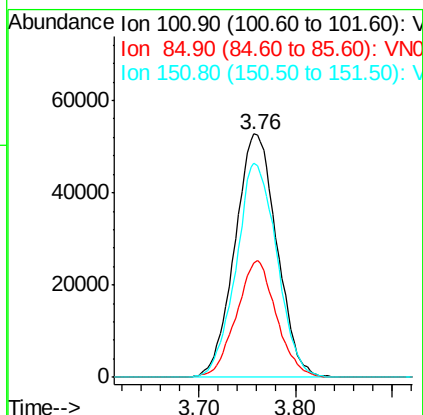
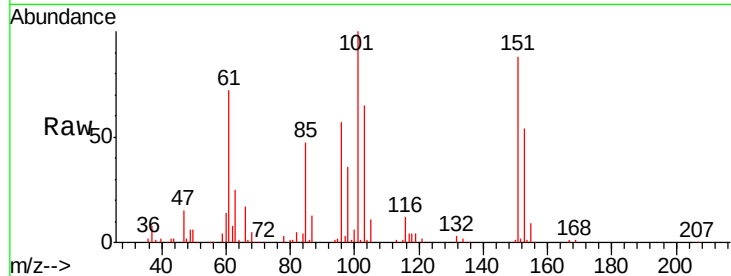
ClientSampleId :

VN1018WBS02

Tgt	Ion	101	Resp:	158788
Ion	Ratio	Lower	Upper	
101	100			
85	45.8	34.8	52.2	
151	85.9	68.0	102.0	

Manual Integrations
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#10

Methyl Iodide

Concen: 20.12 ug/l

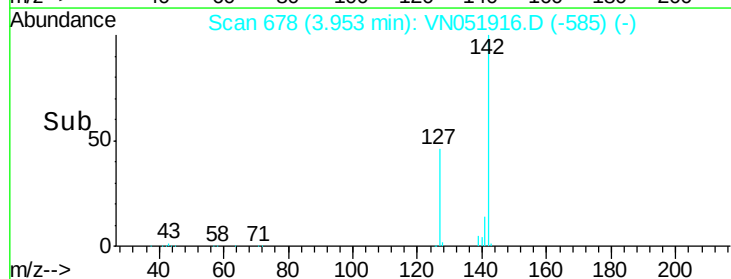
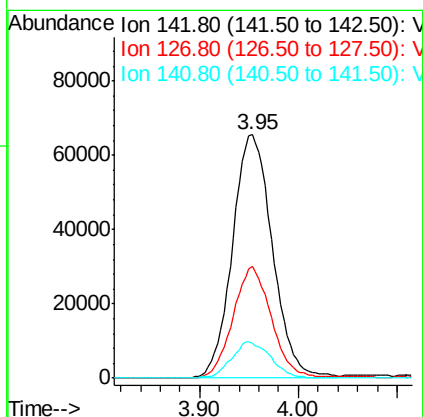
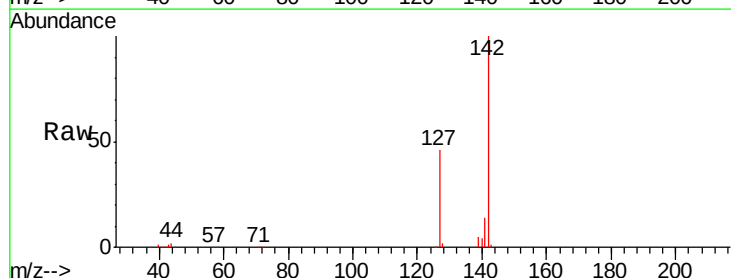
RT: 3.95 min Scan# 678

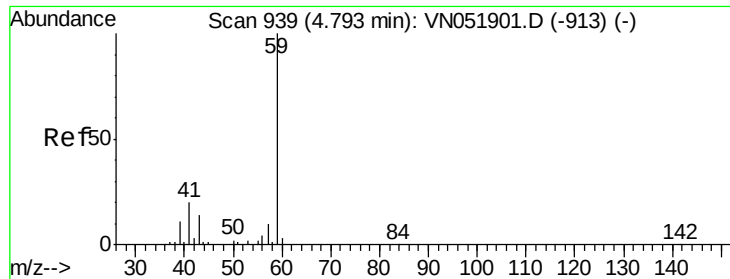
Delta R.T. 0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Tgt	Ion	142	Resp:	184680
Ion	Ratio	Lower	Upper	
142	100			
127	43.9	34.3	51.5	
141	14.6	11.1	16.7	





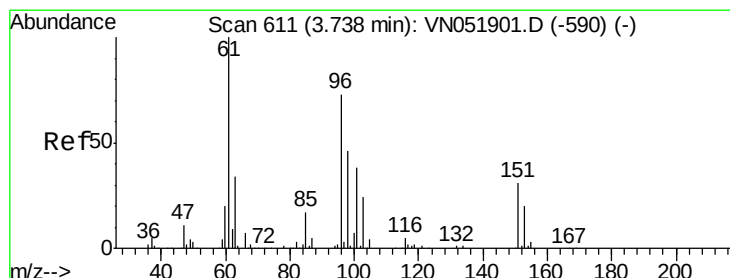
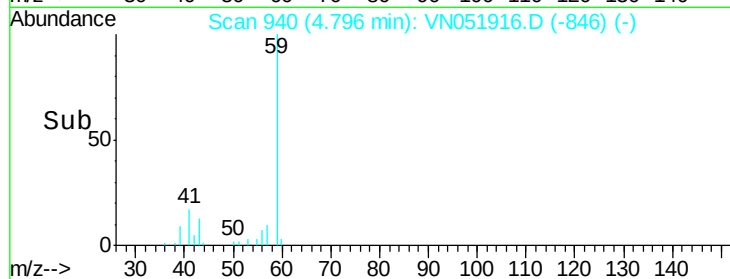
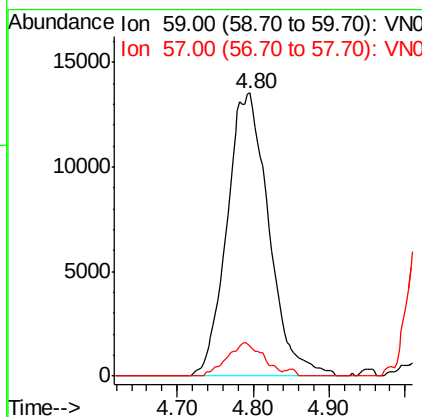
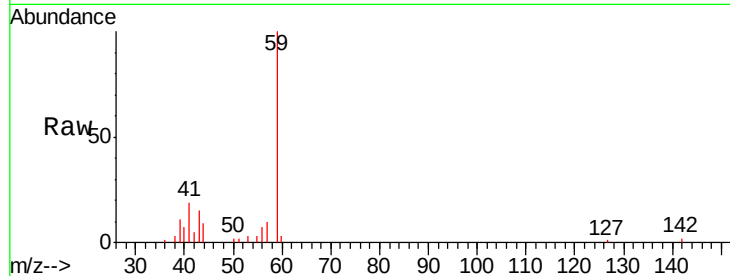
#11
Tert butyl alcohol
Concen: 97.13 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBS02

Tgt Ion: 59 Resp: 51871
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5

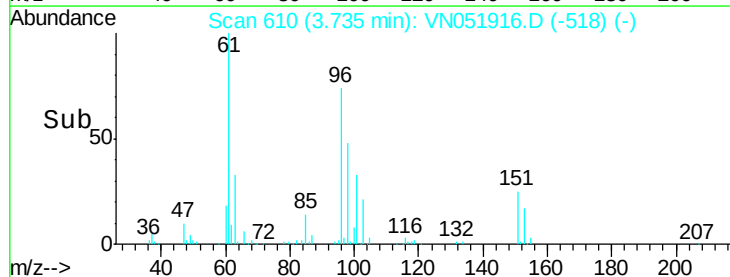
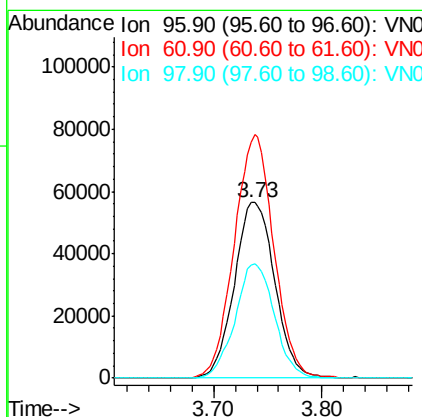
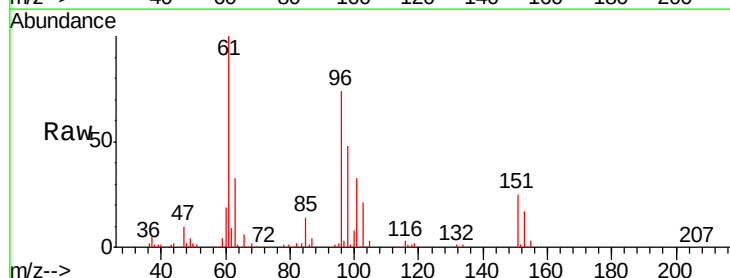
Manual Integrations
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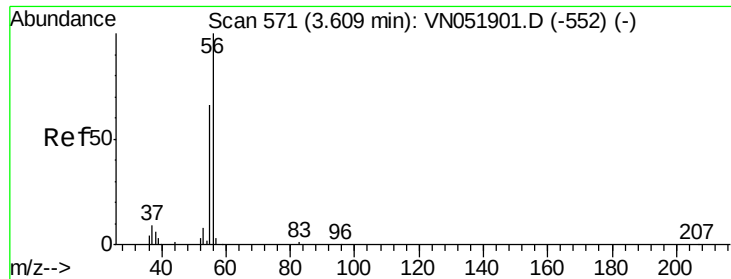
MMDadoda
10/19/2018 4:37:56 PM



#12
1,1-Dichloroethene
Concen: 20.76 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Tgt Ion: 96 Resp: 147282
Ion Ratio Lower Upper
96 100
61 134.4 109.8 164.6
98 64.7 50.9 76.3





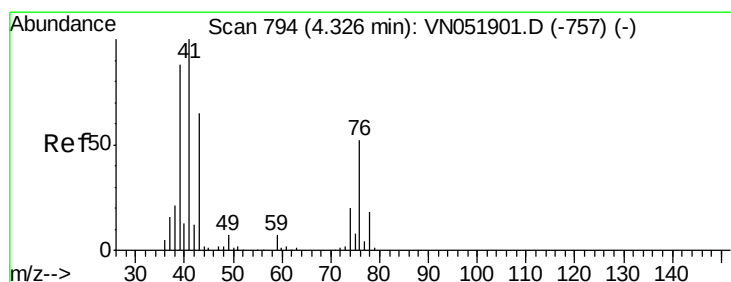
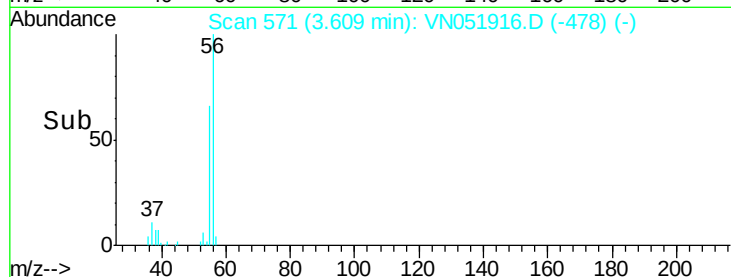
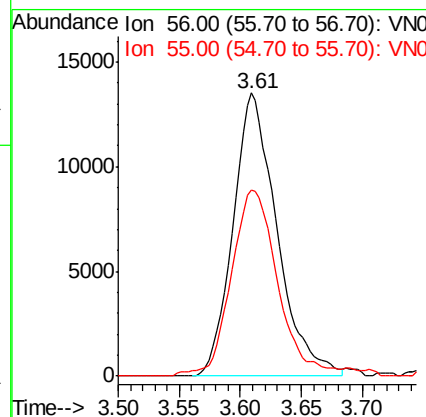
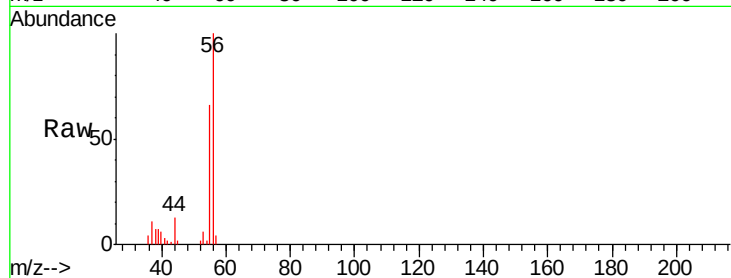
#13
Acrolein
Concen: 75.28 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.7	85.1

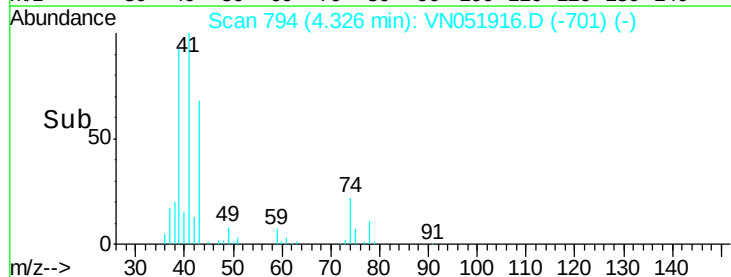
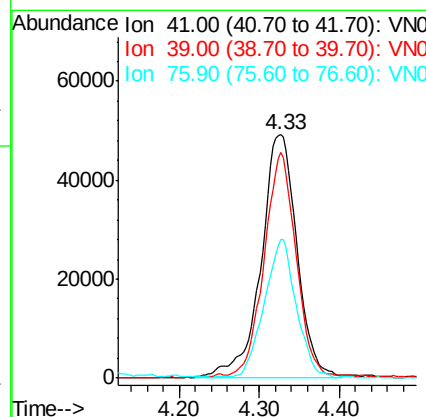
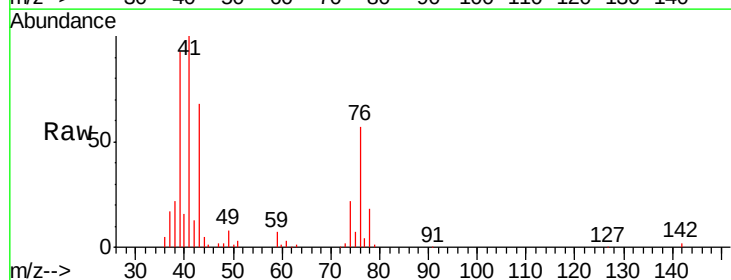
Manual Integrations
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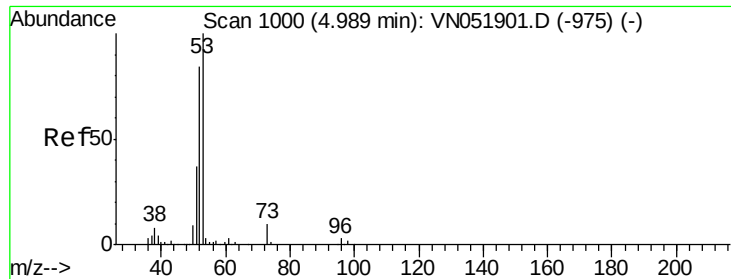
MMDadoda
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#14
Allyl chloride
Concen: 19.67 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Tgt Ion	Ratio	Lower	Upper
41	100		
39	80.7	65.4	98.0
76	50.6	39.6	59.4





#15

Acrylonitrile

Concen: 104.69 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

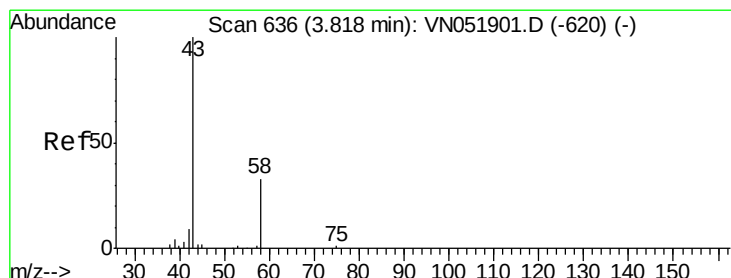
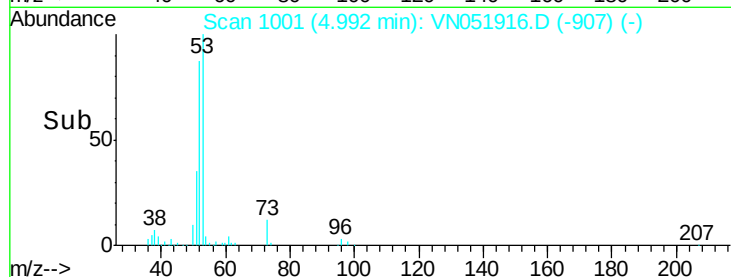
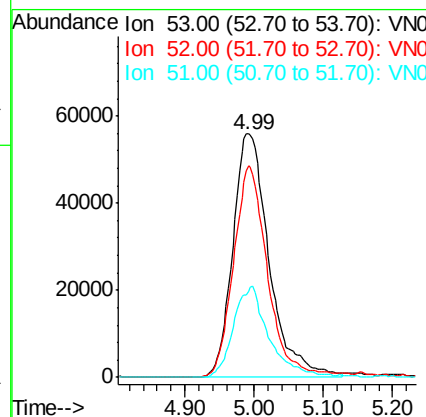
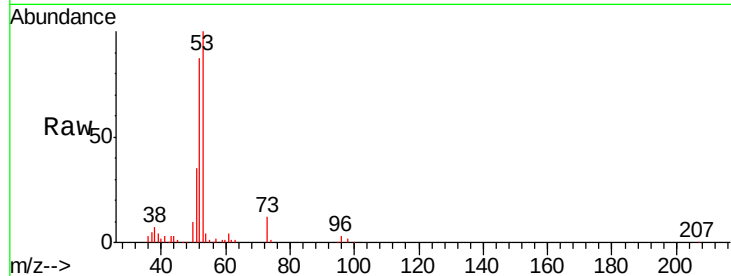
ClientSampleId :

VN1018WBS02

Tgt Ion:	53	Resp:	204143
Ion	Ratio	Lower	Upper
53	100		
52	80.8	65.8	98.8
51	36.5	29.4	44.2

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#16

Acetone

Concen: 87.34 ug/l

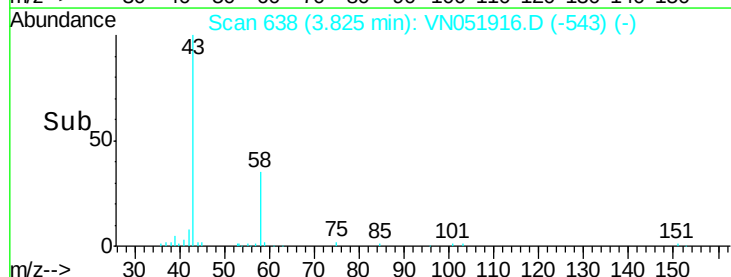
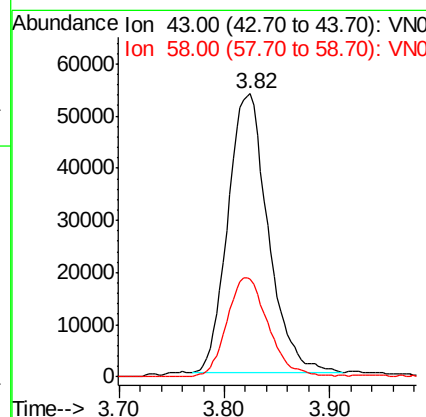
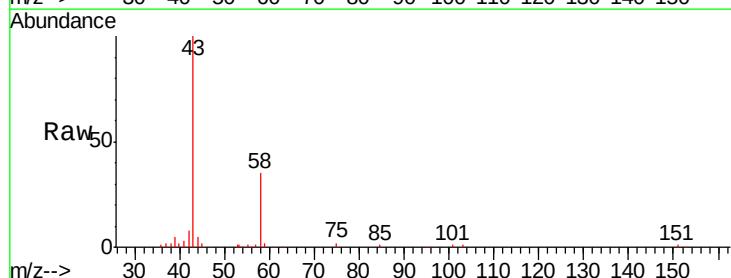
RT: 3.82 min Scan# 638

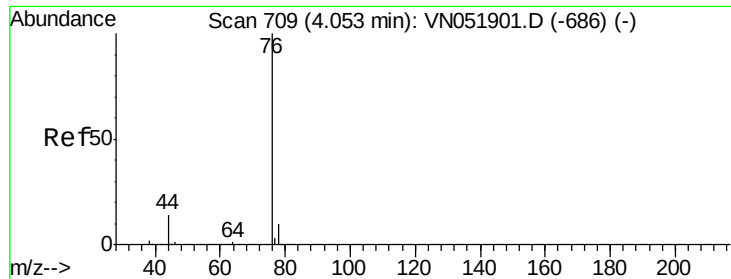
Delta R.T. 0.01 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Tgt Ion:	43	Resp:	141354
Ion	Ratio	Lower	Upper
43	100		
58	34.9	25.9	38.9





#17

Carbon Disulfide

Concen: 17.97 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBS02

Tgt Ion: 76 Resp: 317818

Ion Ratio Lower Upper

76 100

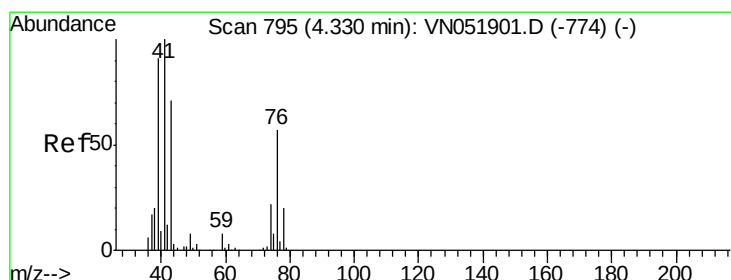
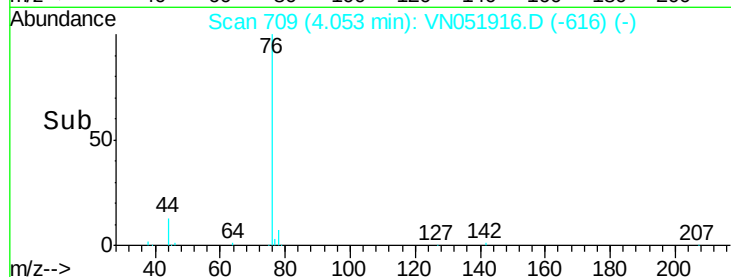
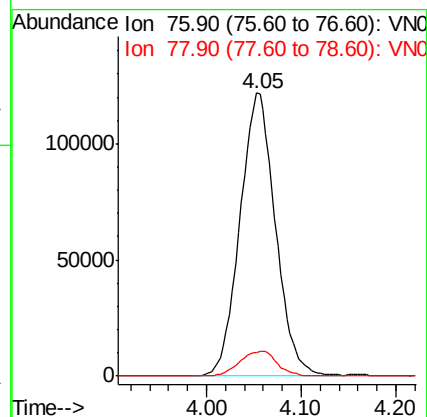
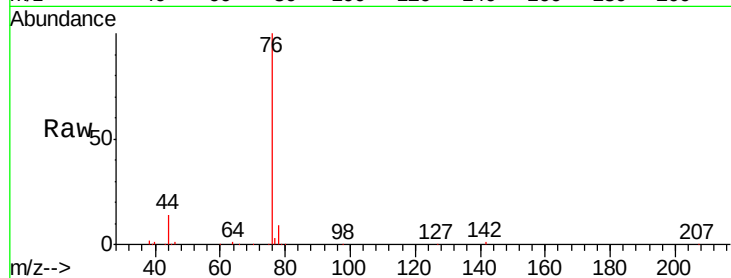
78 8.5 7.6 11.4

Manual Integrations

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#18

Methyl Acetate

Concen: 18.97 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051916.D

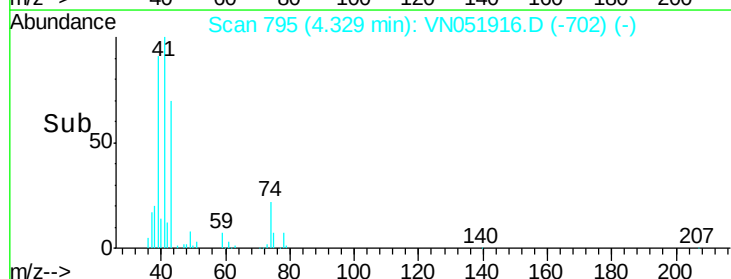
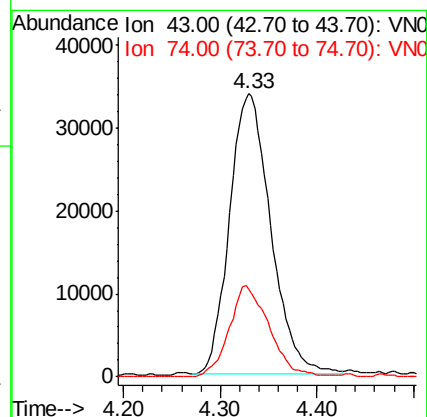
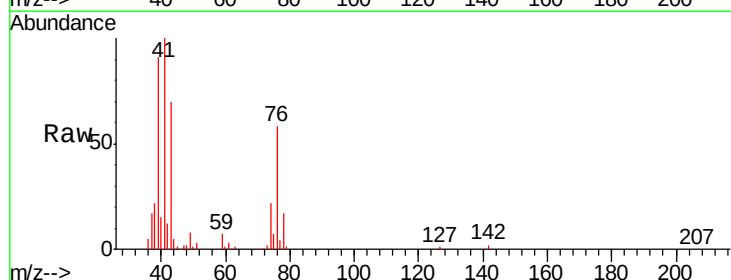
Acq: 18 Oct 2018 15:08

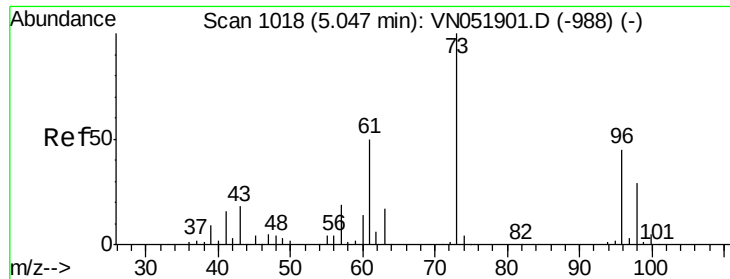
Tgt Ion: 43 Resp: 99610

Ion Ratio Lower Upper

43 100

74 31.6 24.9 37.3





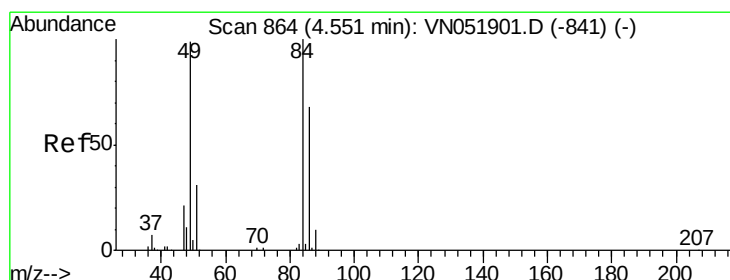
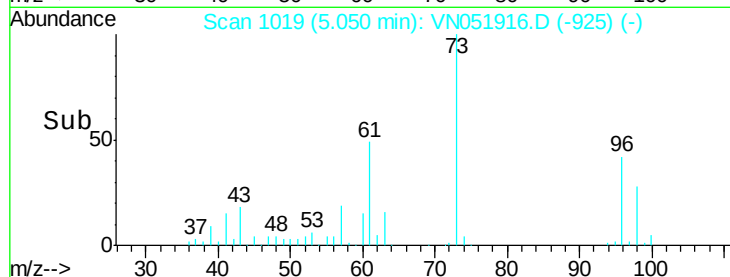
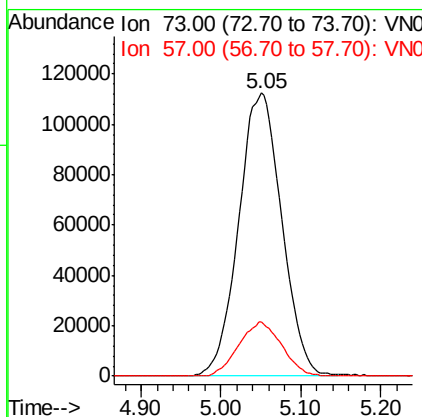
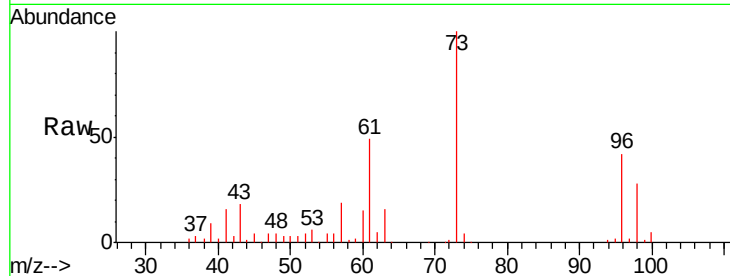
#19
Methyl tert-butyl Ether
Concen: 20.16 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBS02

Tgt Ion: 73 Resp: 412190
Ion Ratio Lower Upper
73 100
57 19.2 15.3 22.9

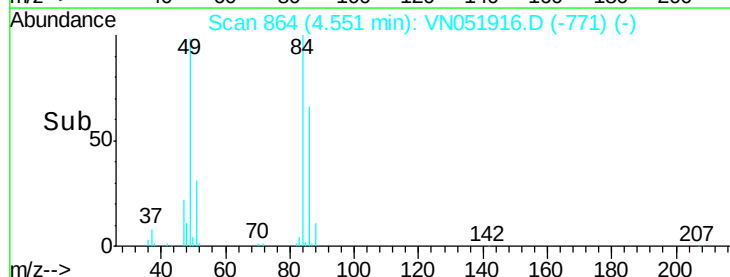
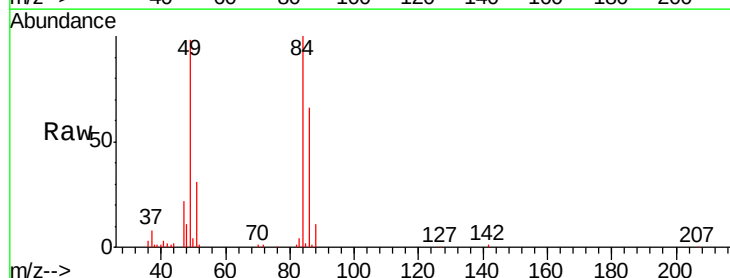
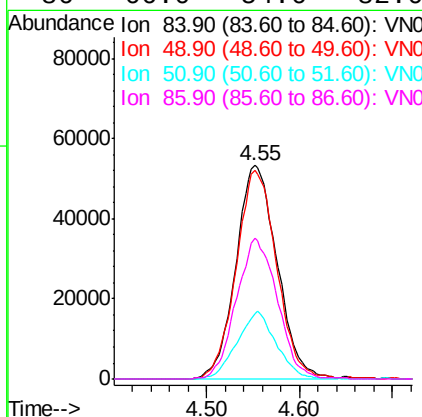
Manual Integrations
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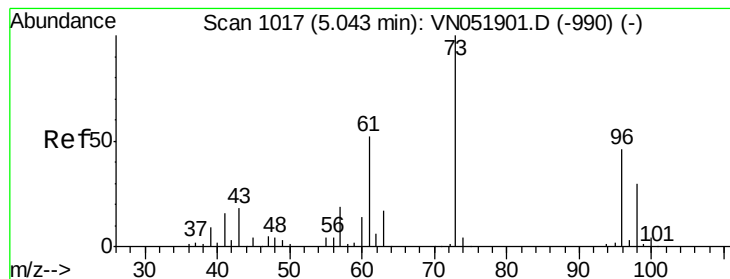
MMDadoda
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#20
Methylene Chloride
Concen: 19.98 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Tgt Ion: 84 Resp: 164410
Ion Ratio Lower Upper
84 100
49 97.9 79.0 118.4
51 30.7 24.9 37.3
86 66.0 54.6 82.0





#21

trans-1,2-Dichloroethene

Concen: 19.64 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBS02

Tgt Ion: 96 Resp: 160169

Ion Ratio Lower Upper

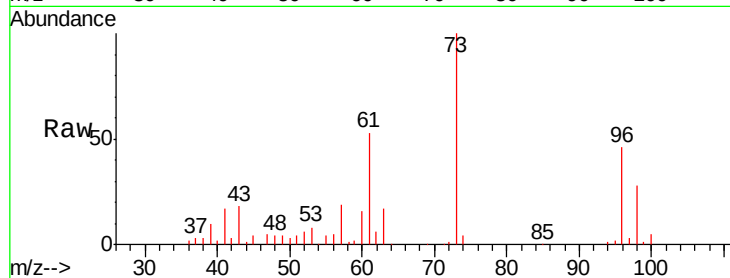
96 100

61 113.4 89.8 134.6

98 61.2 51.7 77.5

Manual Integrations
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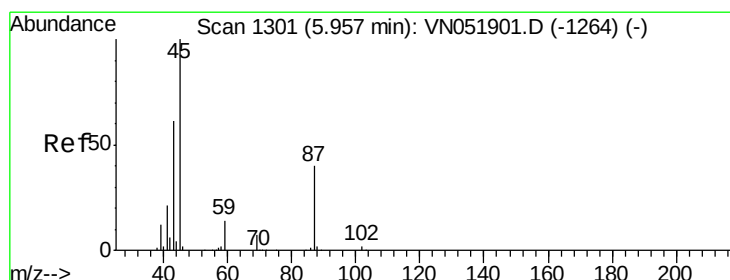
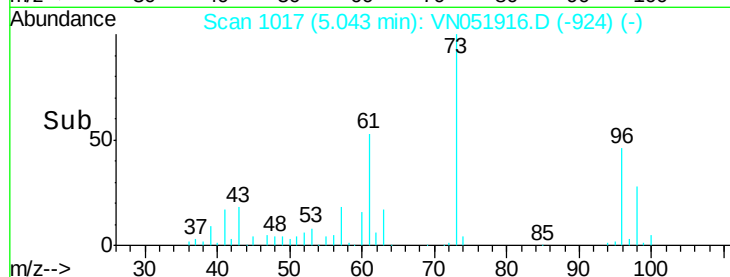
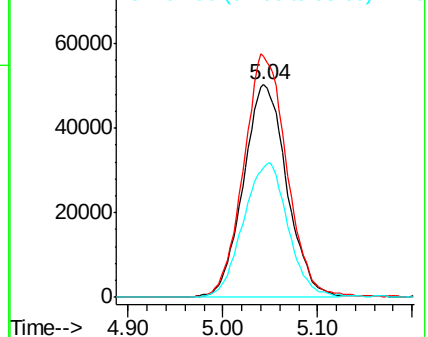


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.30 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Tgt Ion: 45 Resp: 363603

Ion Ratio Lower Upper

45 100

43 65.6 48.9 73.3

87 38.4 32.6 48.8

59 12.8 11.0 16.6

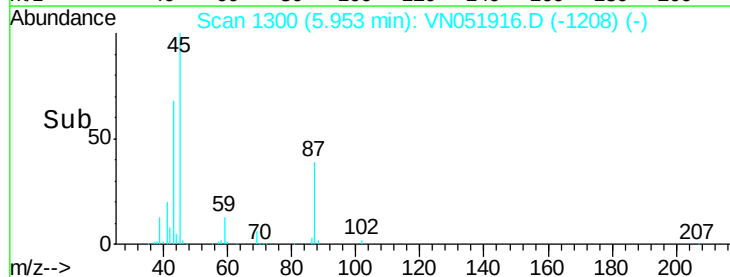
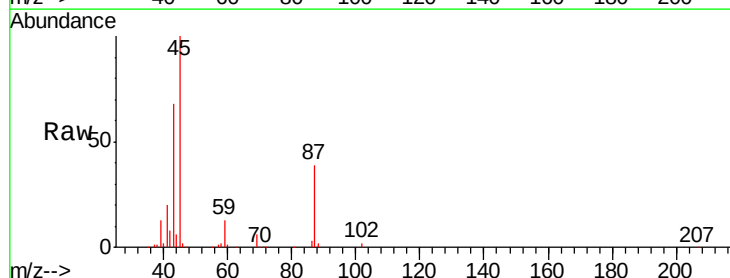
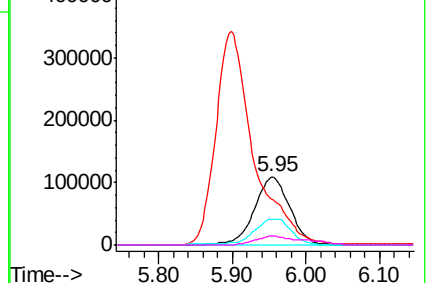
Abundance

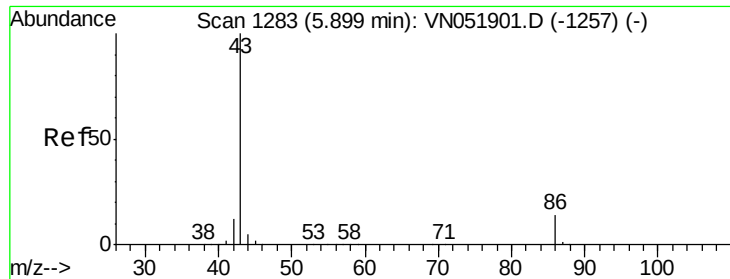
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





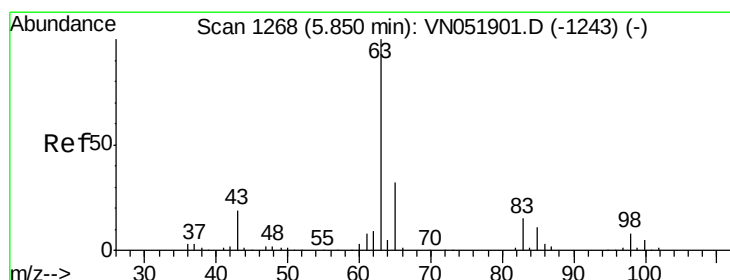
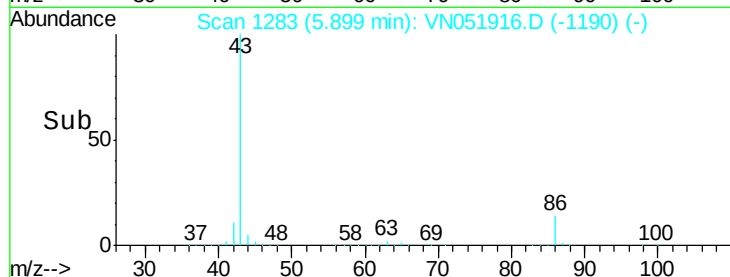
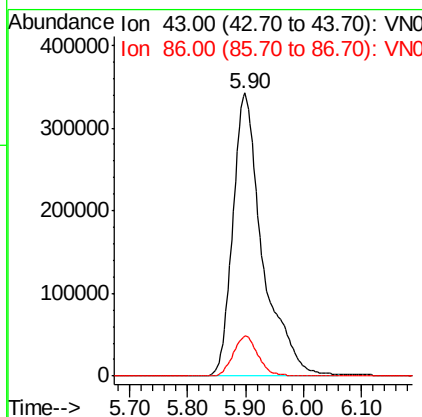
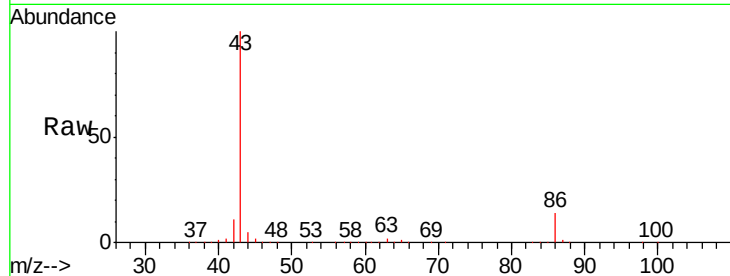
#23
 Vinyl Acetate
 Concen: 99.17 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051916.D
 Acq: 18 Oct 2018 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBS02

Tgt Ion: 43 Resp: 1222797
 Ion Ratio Lower Upper
 43 100
 86 14.0 11.5 17.3

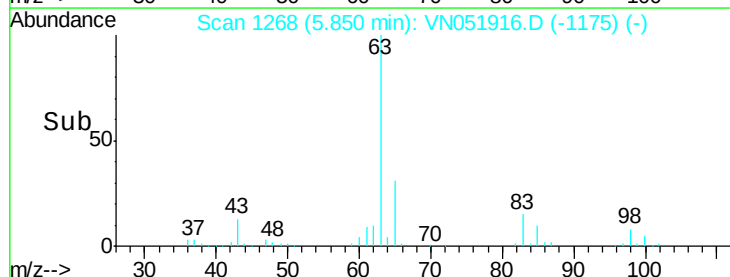
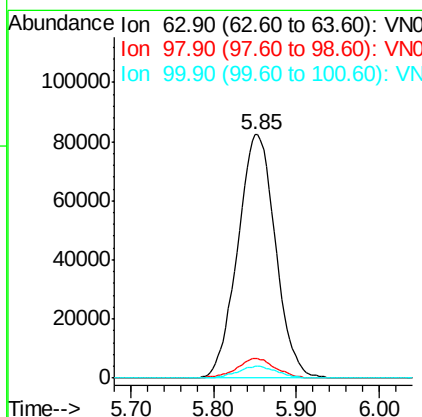
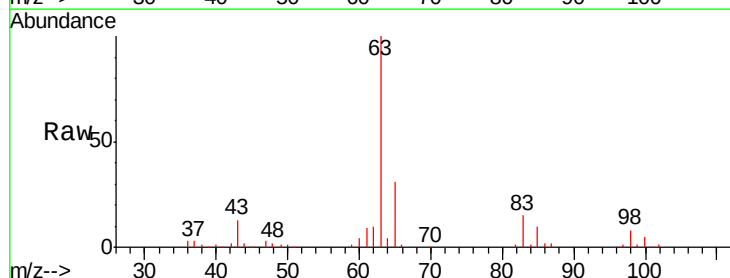
Manual Integrations
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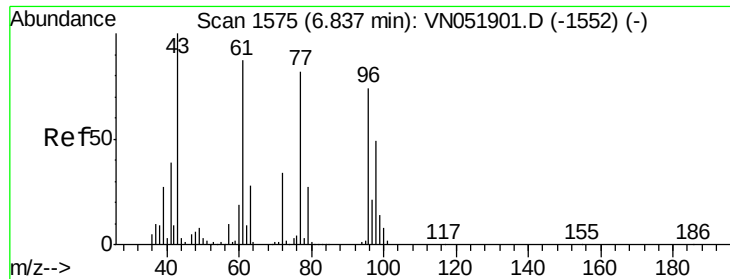
MMDadoda
 10/19/2018 4:37:56 PM



#24
 1,1-Dichloroethane
 Concen: 20.06 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051916.D
 Acq: 18 Oct 2018 15:08

Tgt Ion: 63 Resp: 260176
 Ion Ratio Lower Upper
 63 100
 98 8.3 4.0 12.0
 100 4.7 2.4 7.1





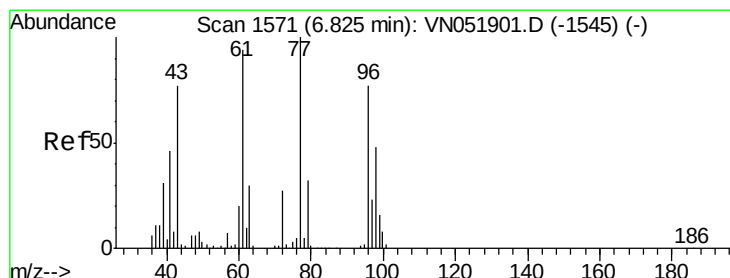
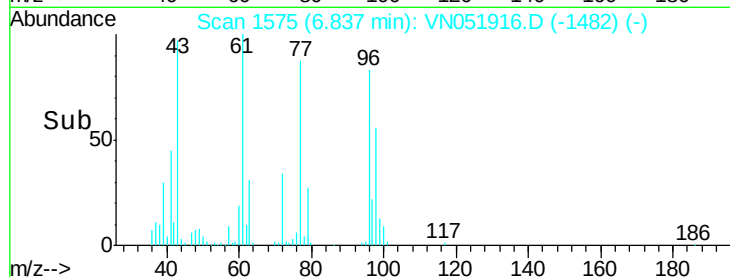
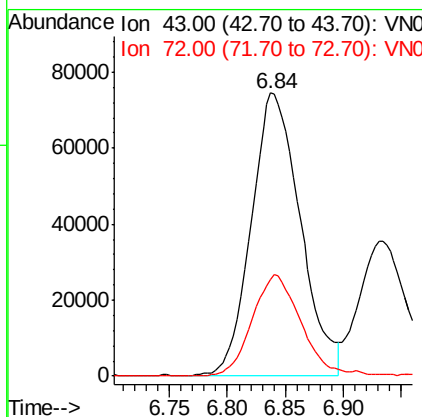
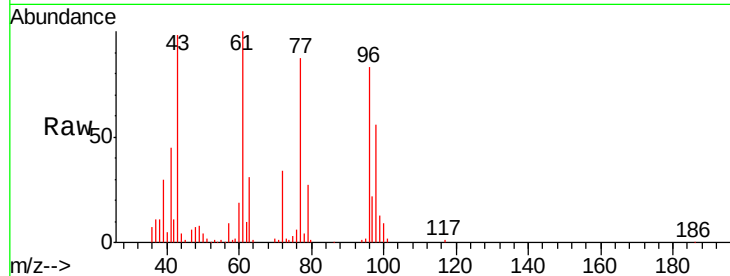
#25
 2-Butanone
 Concen: 94.41 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051916.D
 Acq: 18 Oct 2018 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBS02

Tgt Ion: 43 Resp: 218369
 Ion Ratio Lower Upper
 43 100
 72 34.3 27.0 40.6

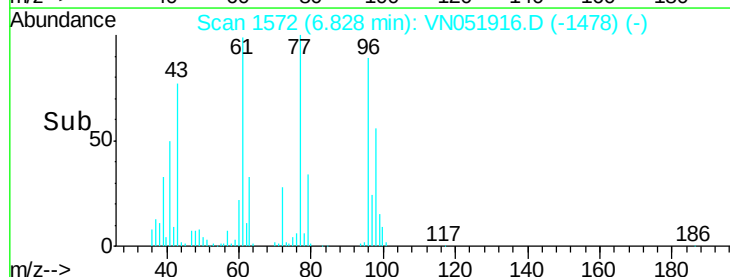
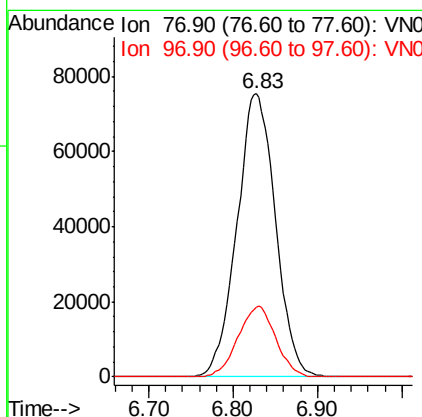
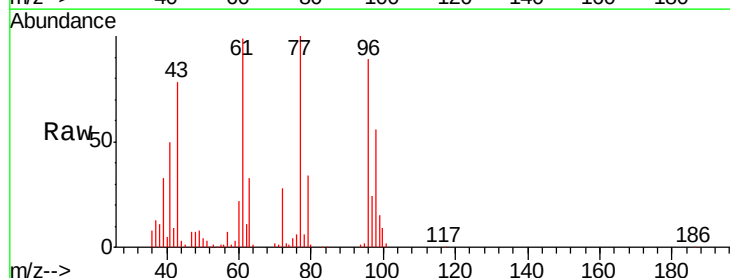
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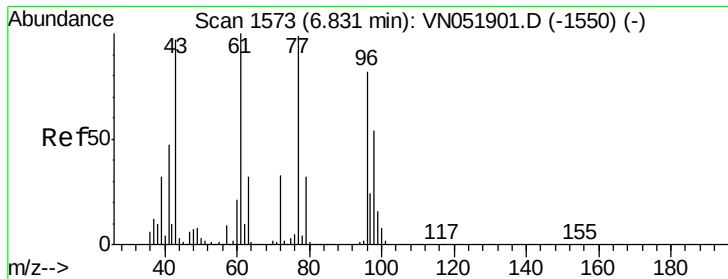
MMDadoda
 10/19/2018 4:37:56 PM



#26
 2,2-Dichloropropane
 Concen: 19.54 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051916.D
 Acq: 18 Oct 2018 15:08

Tgt Ion: 77 Resp: 239643
 Ion Ratio Lower Upper
 77 100
 97 24.4 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 20.52 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

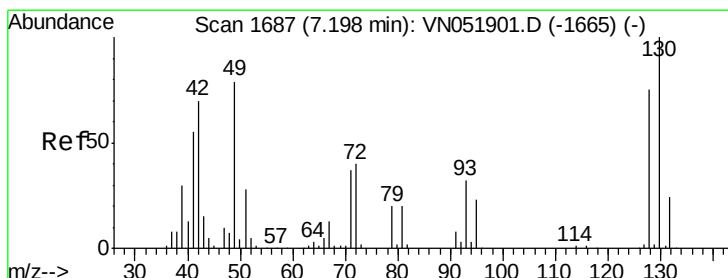
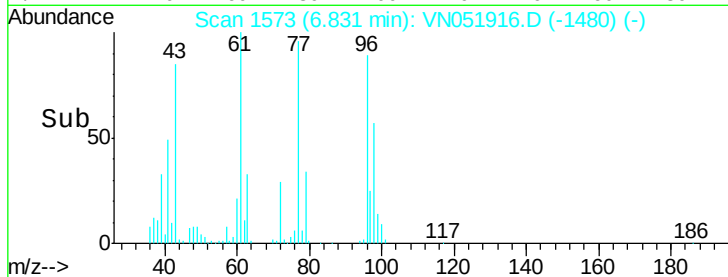
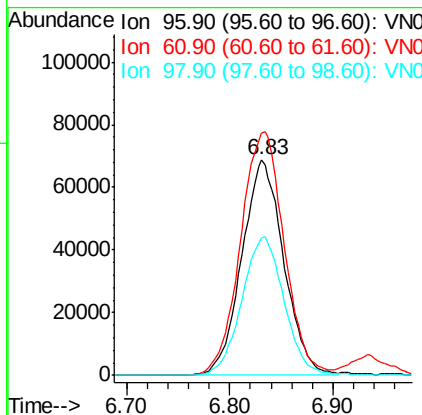
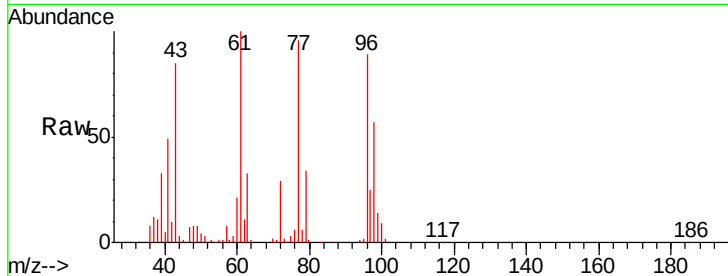
ClientSampleId :

VN1018WBS02

Tgt Ion:	96	Resp:	194464
Ion	Ratio	Lower	Upper
96	100		
61	117.6	0.0	240.2
98	64.6	0.0	129.8

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#28

Bromochloromethane

Concen: 21.07 ug/l

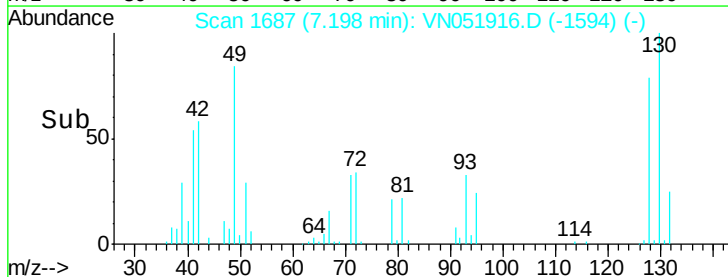
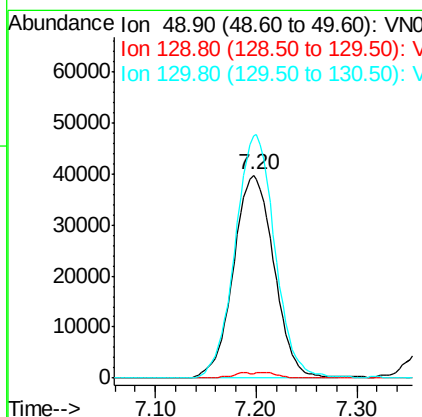
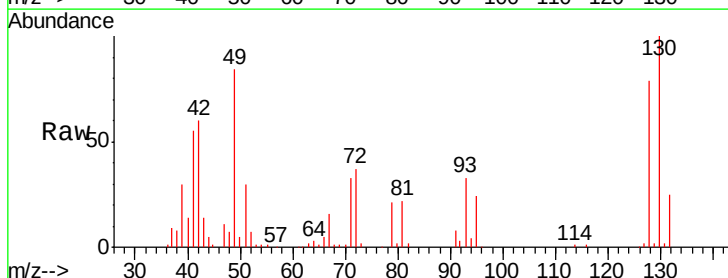
RT: 7.20 min Scan# 1687

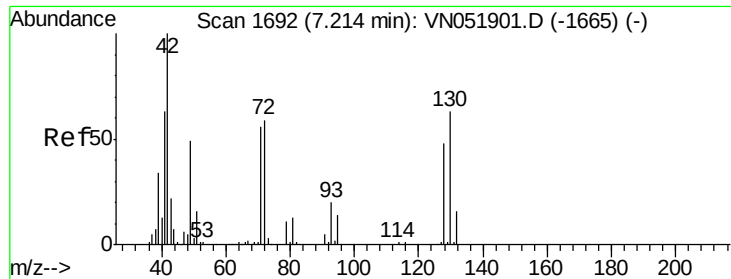
Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Tgt Ion:	49	Resp:	110971
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	6.0
130	117.2	96.7	145.1





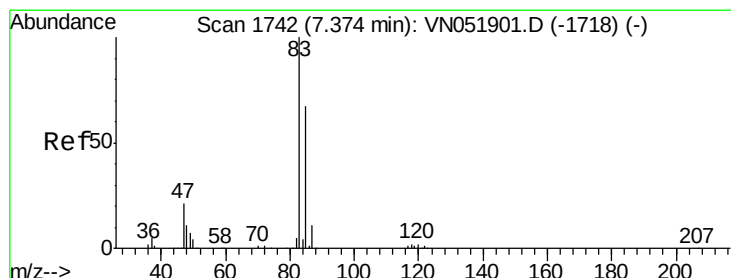
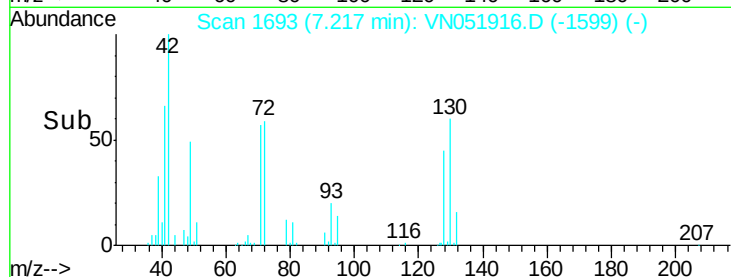
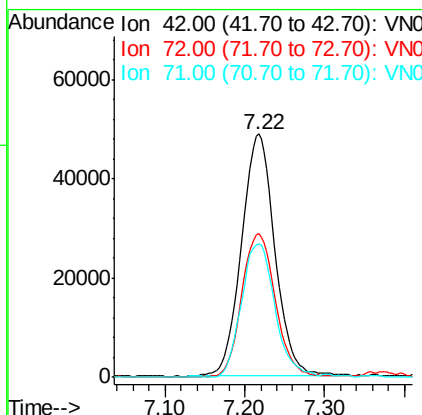
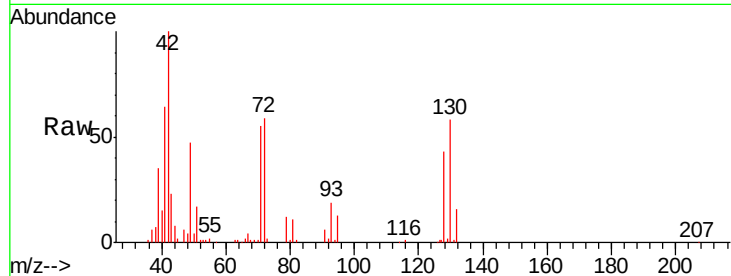
#29
Tetrahydrofuran
Concen: 98.04 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	59.0	47.7	71.5
71	55.6	45.4	68.0

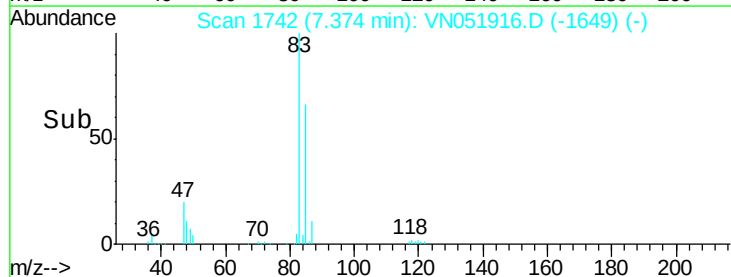
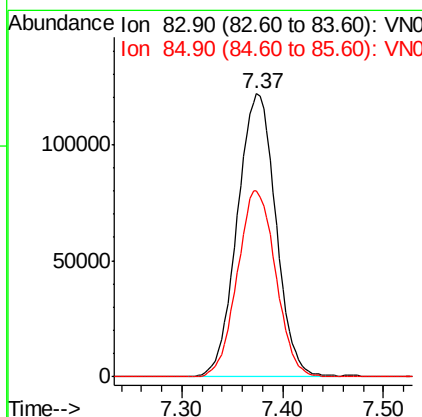
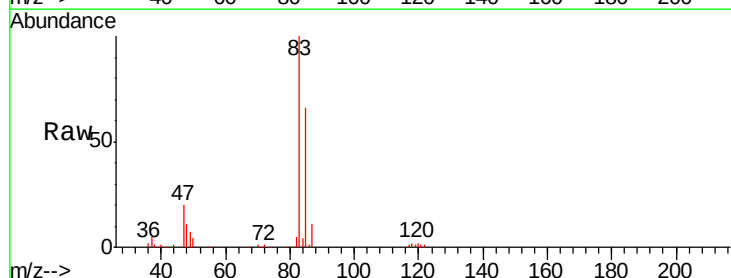
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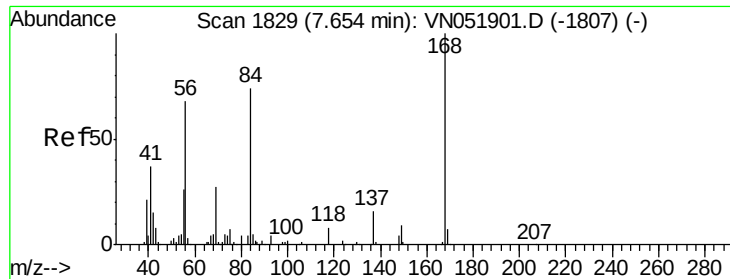
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#30
Chloroform
Concen: 20.76 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.4	80.2





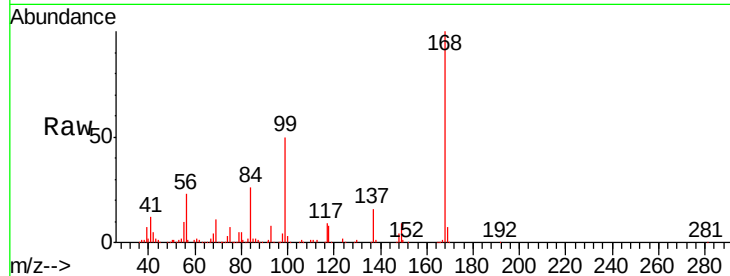
#31
Cyclohexane
Concen: 18.91 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	46.8	31.2	46.8#
84	108.9	86.6	130.0

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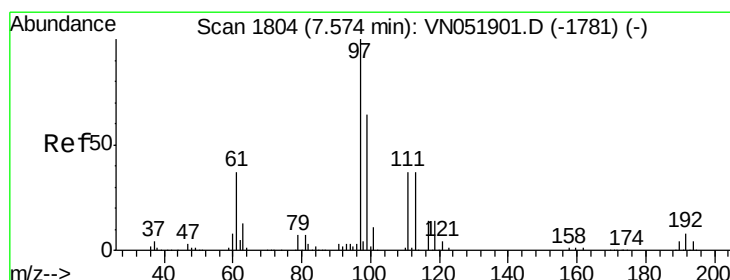
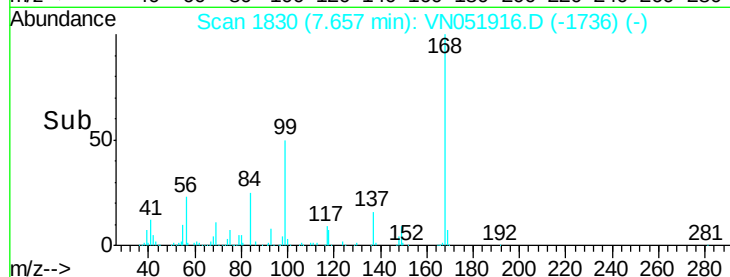
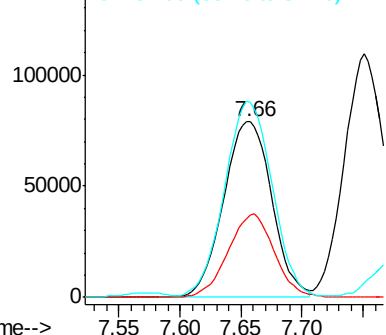


Abundance

Ion 56.00 (55.70 to 56.70): VNC

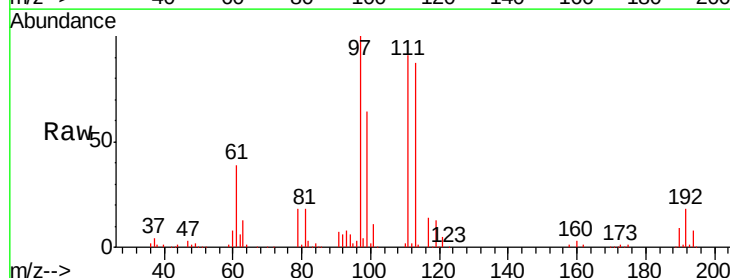
Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32
1,1,1-Trichloroethane
Concen: 20.32 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.3	76.9
61	38.2	29.8	44.6

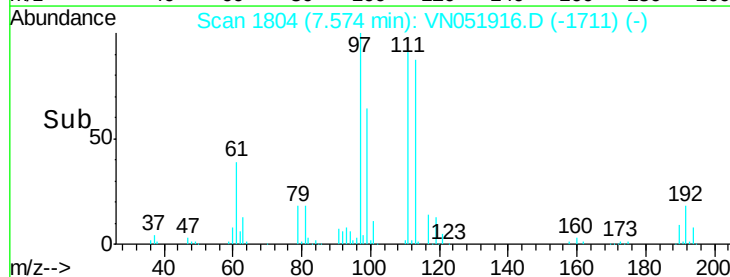
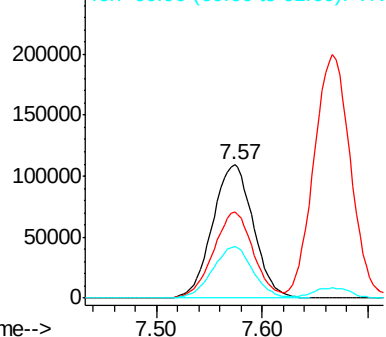


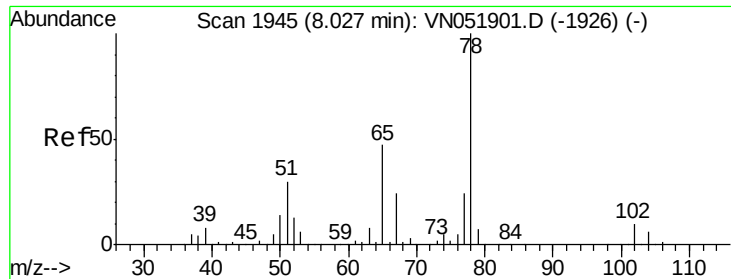
Abundance

Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 20.32 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBS02

Tgt Ion: 65 Resp: 451500

Ion Ratio Lower Upper

65 100

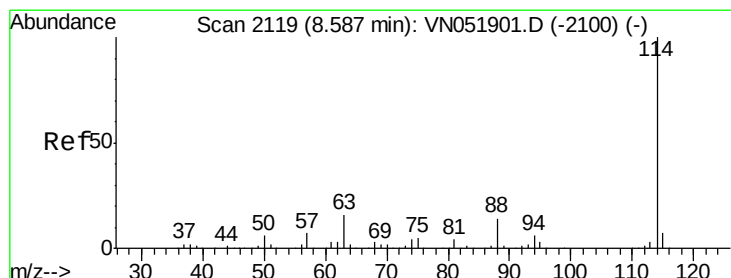
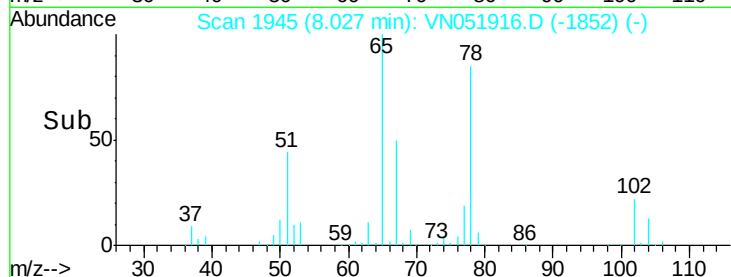
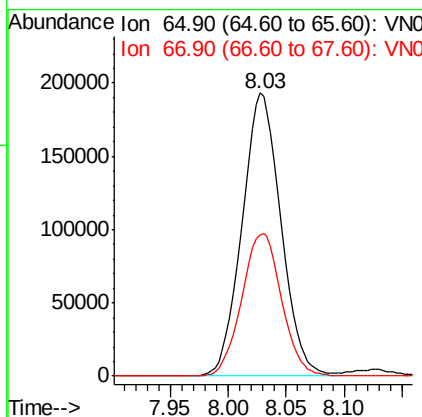
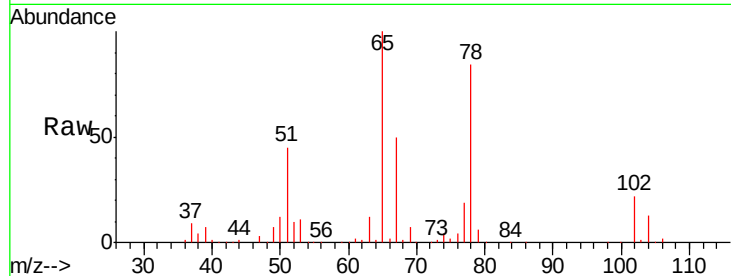
67 51.4 0.0 104.0

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

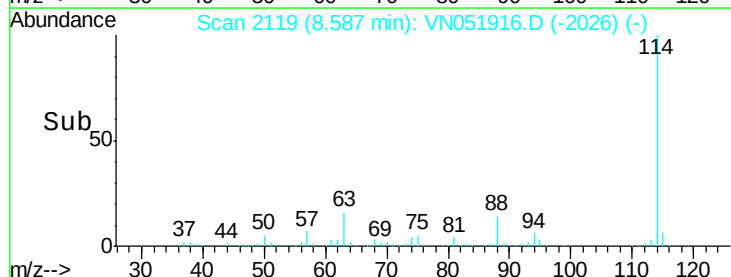
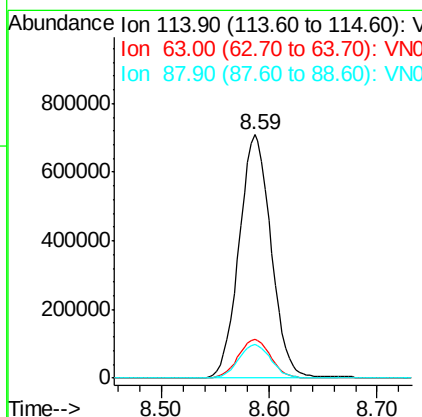
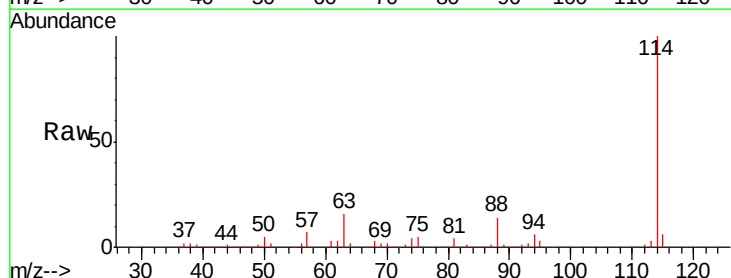
Tgt Ion: 114 Resp: 1467108

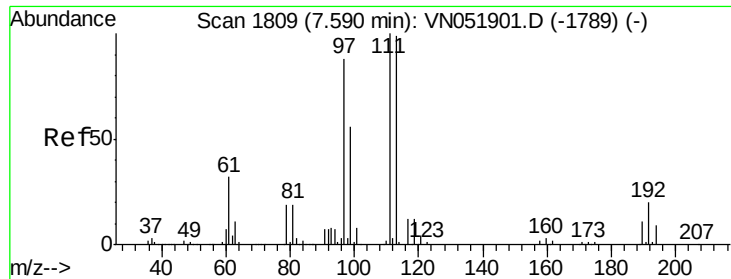
Ion Ratio Lower Upper

114 100

63 16.2 0.0 31.8

88 14.0 0.0 28.0





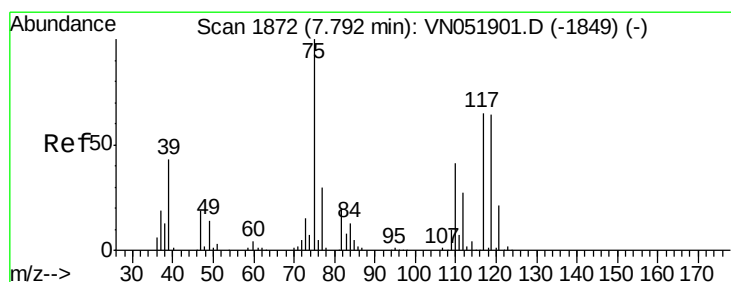
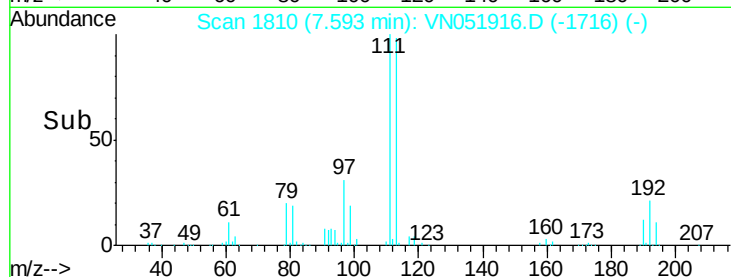
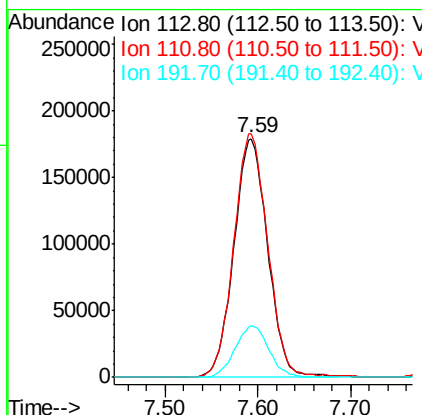
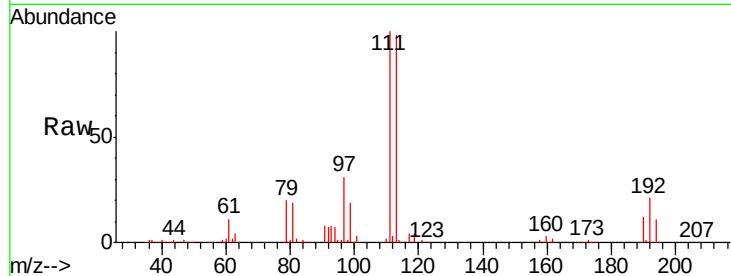
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	453129		
111	102.1	82.6	123.8	
192	21.7	17.3	25.9	

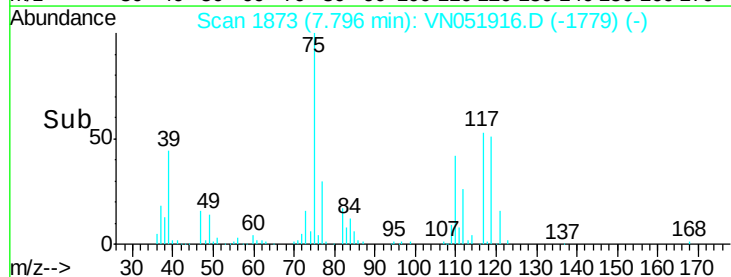
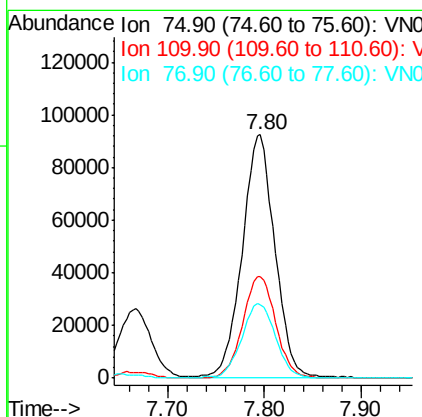
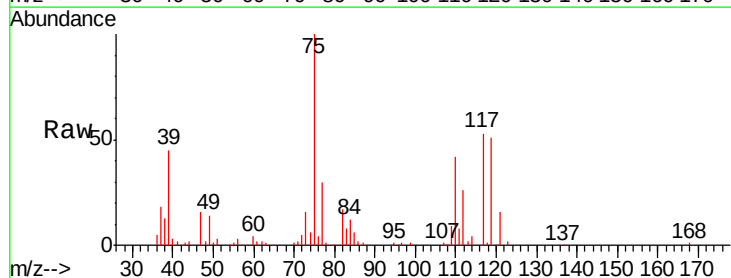
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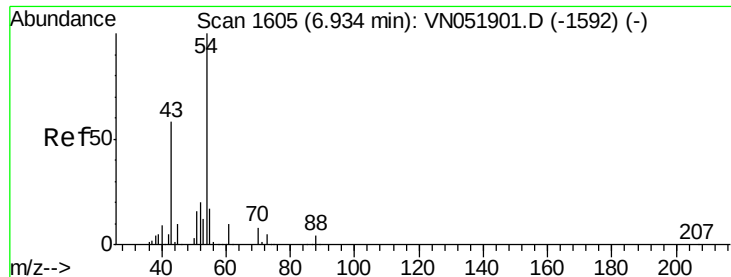
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#36
1,1-Dichloropropene
Concen: 18.93 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	215515		
110	42.4	21.0	63.0	
77	32.1	24.9	37.3	





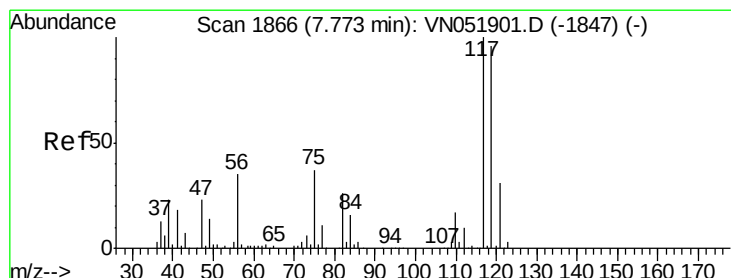
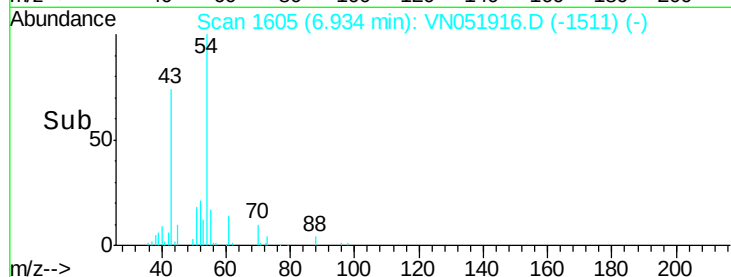
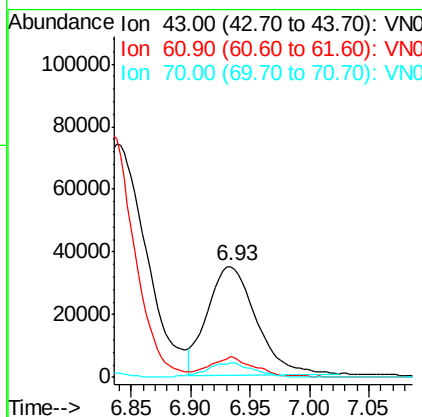
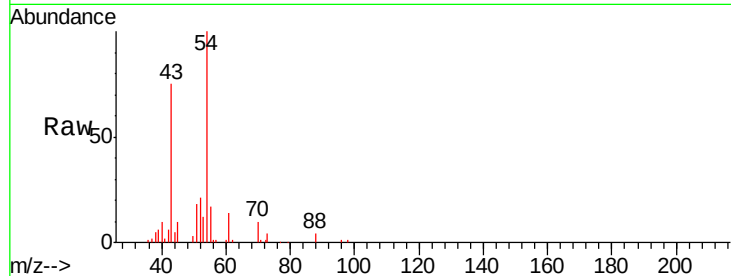
#37
Ethyl Acetate
Concen: 17.90 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.7	13.0	19.6
70	13.0	10.4	15.6

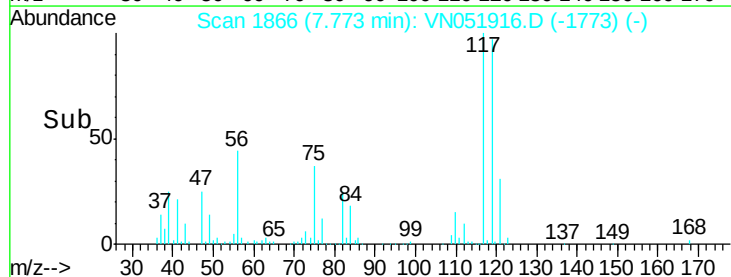
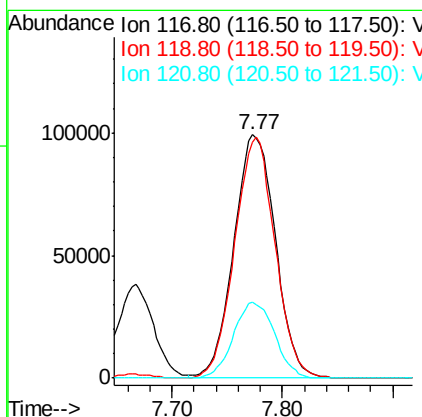
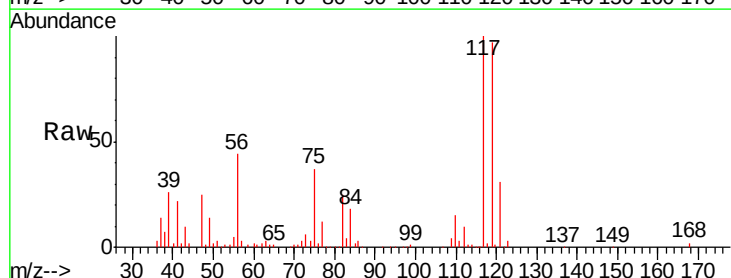
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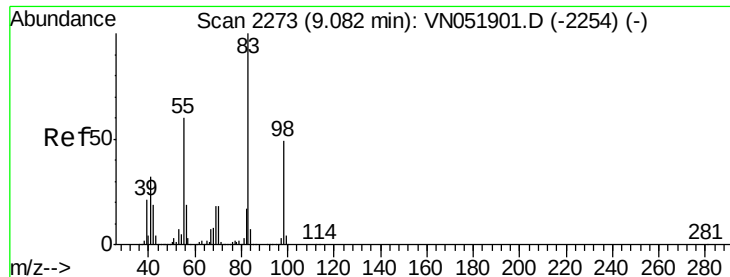
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.28 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.0	115.6
121	31.4	25.1	37.7





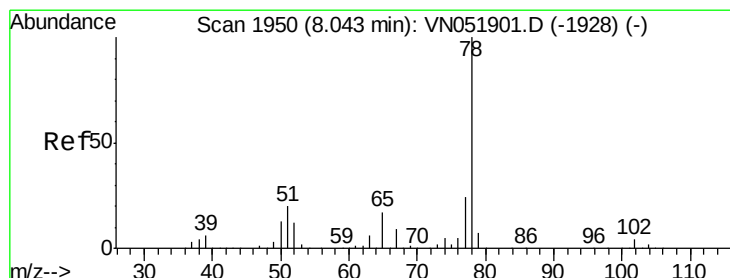
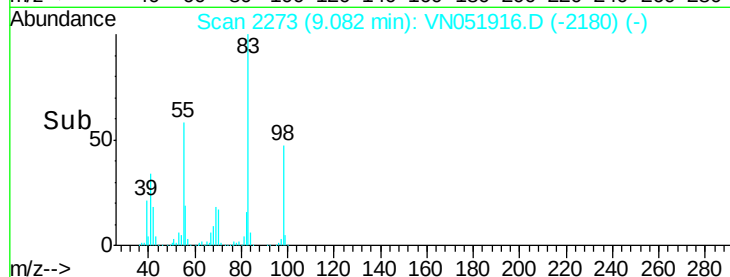
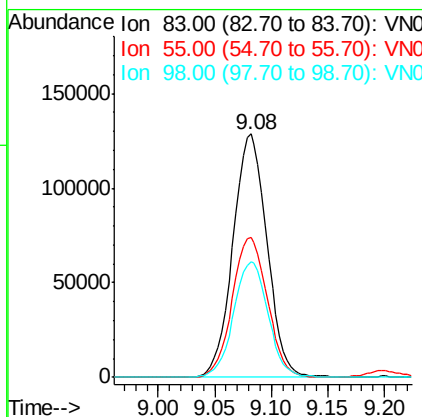
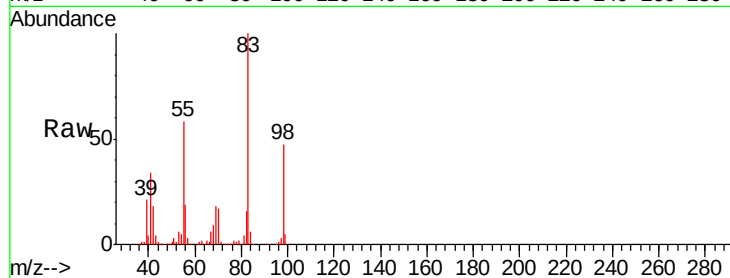
#39
Methylcyclohexane
Concen: 19.19 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	57.7	47.8	71.8
98	47.3	39.0	58.4

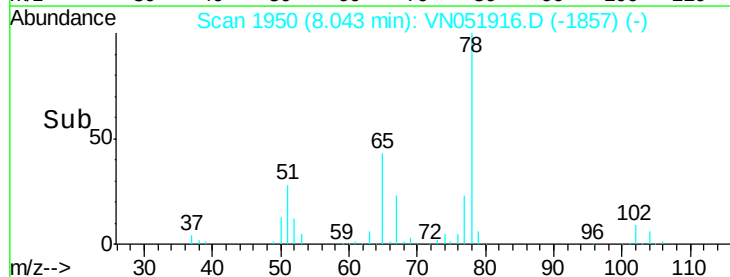
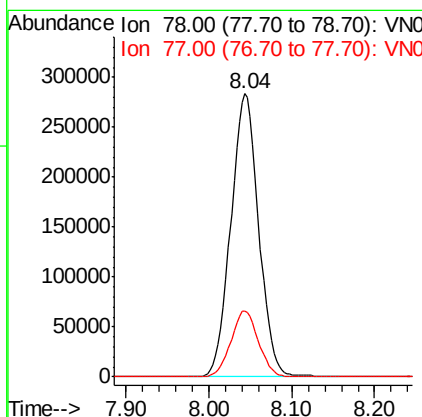
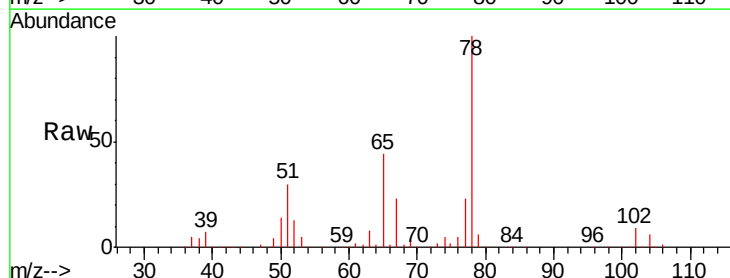
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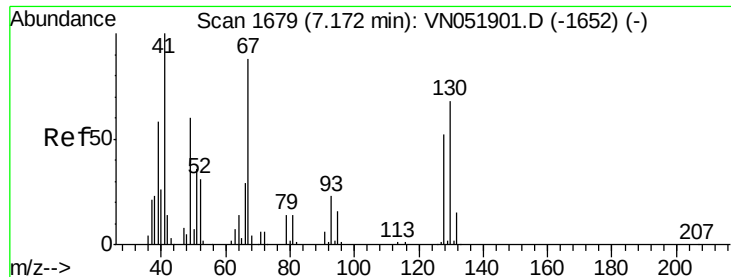
MMDadoda
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#40
Benzene
Concen: 19.96 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3





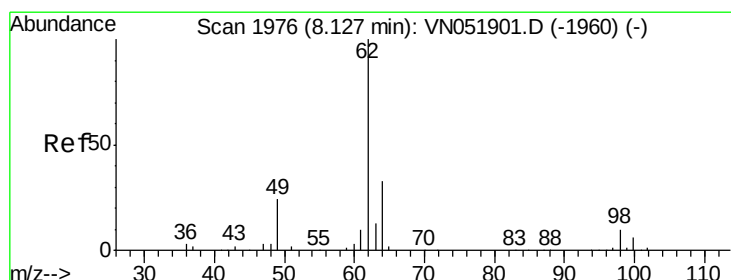
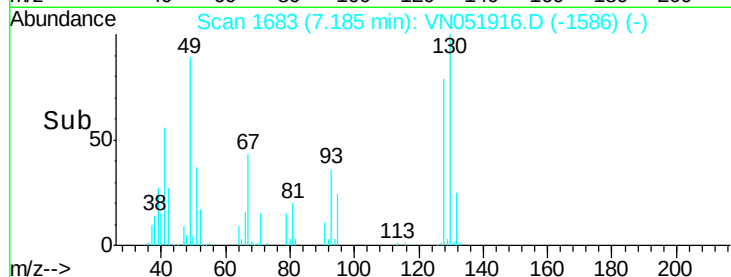
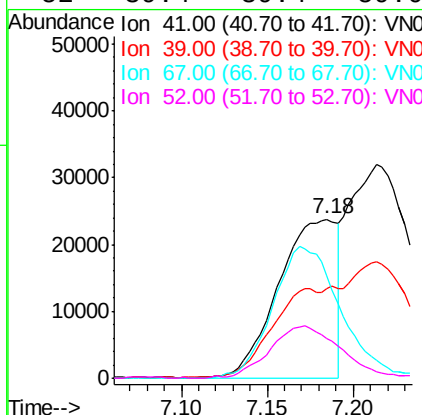
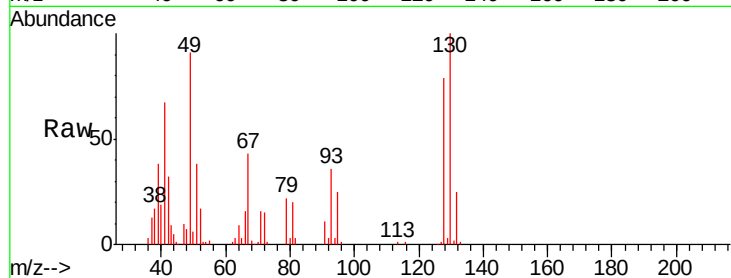
#41
Methacrylonitrile
Concen: 21.99 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBS02

Tgt Ion: 41 Resp: 56872
Ion Ratio Lower Upper
41 100
39 45.6 56.1 84.1#
67 95.0 106.5 159.7#
52 39.4 39.4 59.0

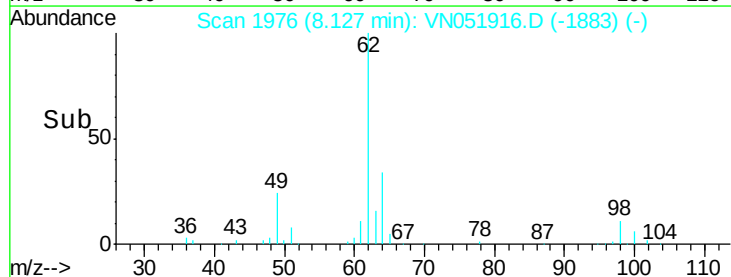
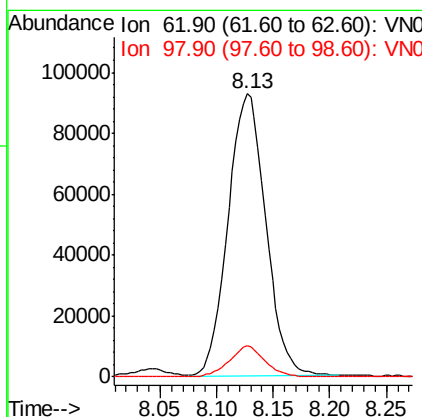
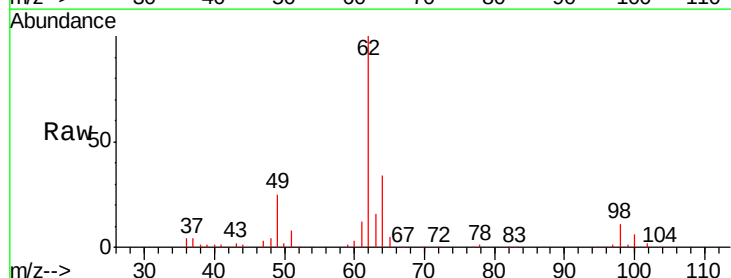
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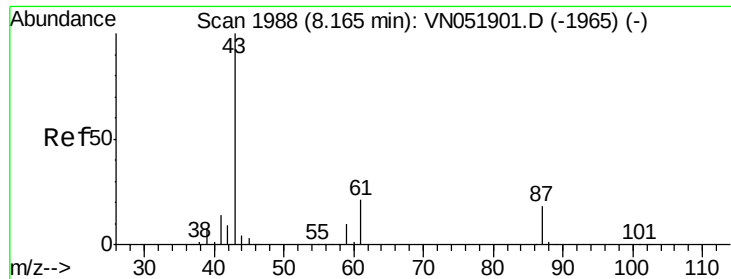
MMDadoda
10/19/2018 4:37:56 PM



#42
1,2-Dichloroethane
Concen: 20.24 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Tgt Ion: 62 Resp: 215720
Ion Ratio Lower Upper
62 100
98 10.2 0.0 19.6





#43

Isopropyl Acetate

Concen: 18.28 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

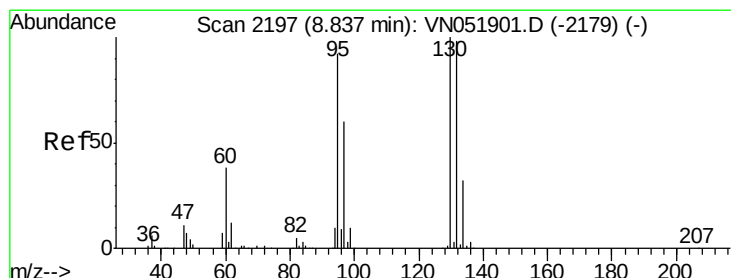
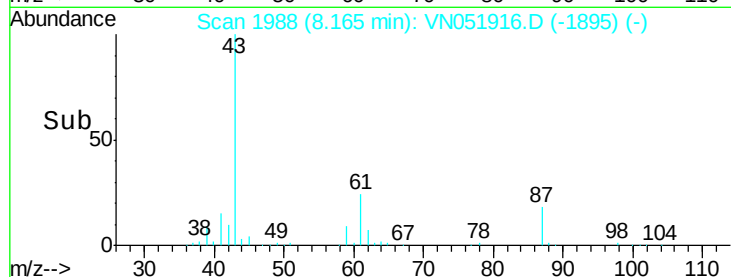
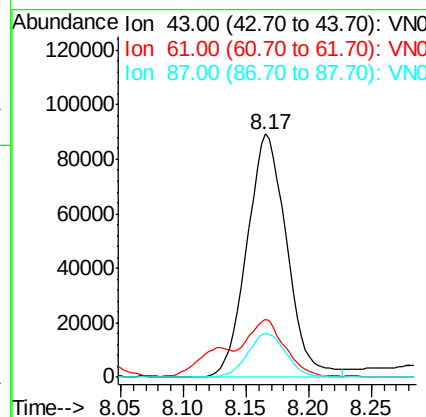
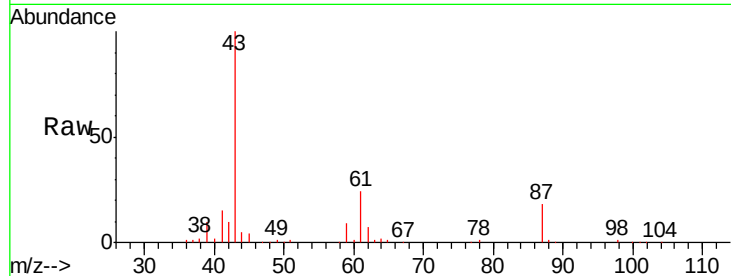
ClientSampleId :

VN1018WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.5	24.9	37.3#
87	17.6	14.6	22.0

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10/19/2018 4:37:56 PM



#44

Trichloroethene

Concen: 20.23 ug/l

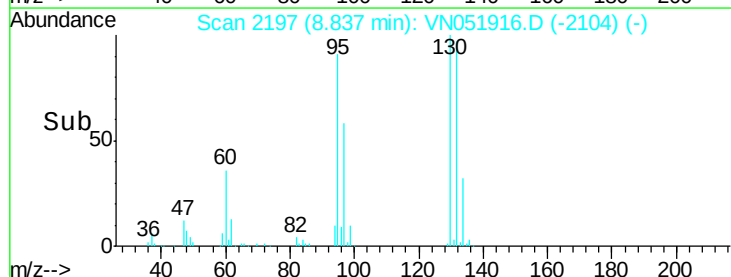
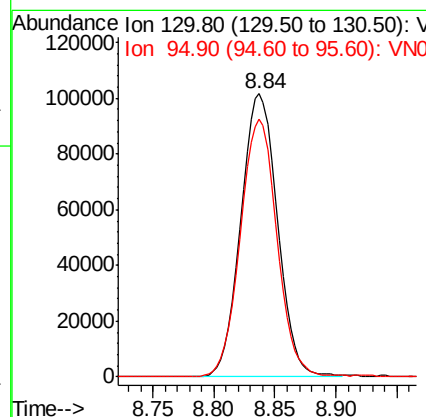
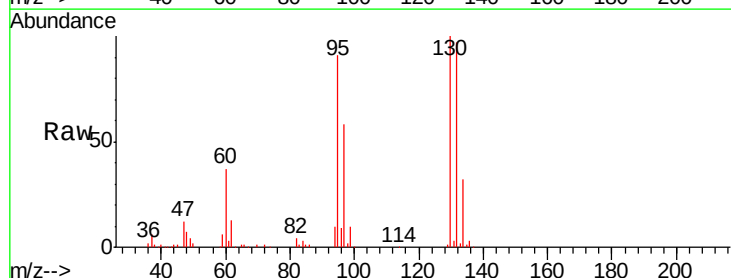
RT: 8.84 min Scan# 2197

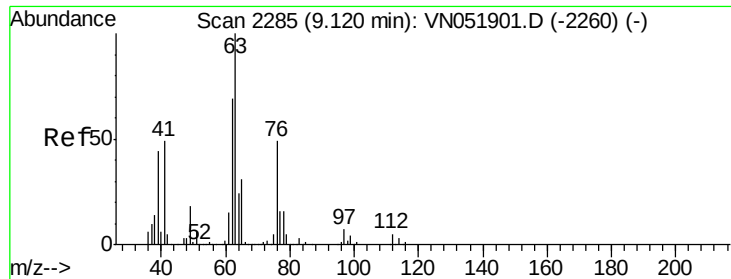
Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	183.2





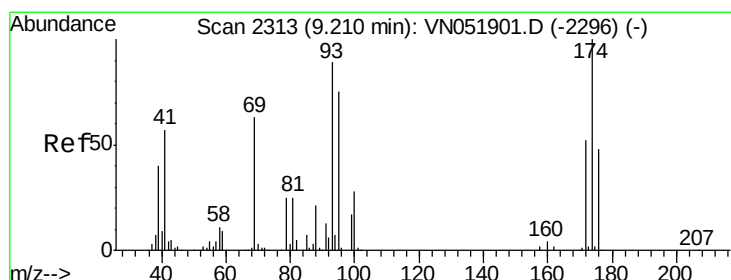
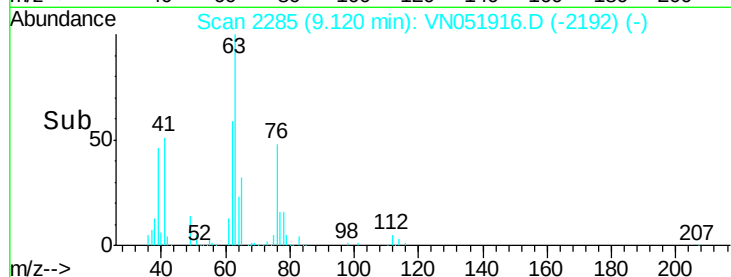
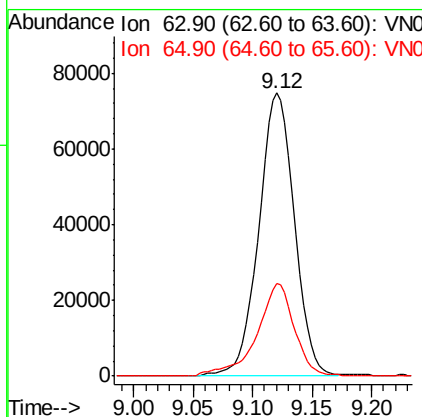
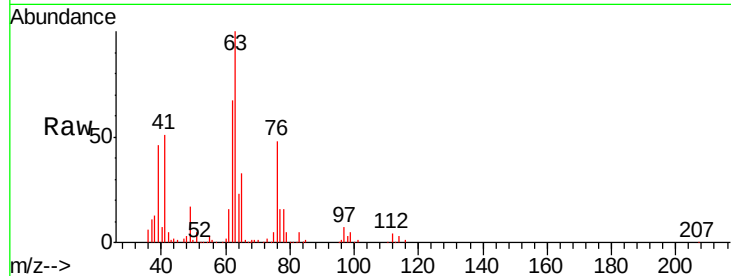
#45
 1,2-Dichloropropane
 Concen: 20.16 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051916.D
 Acq: 18 Oct 2018 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBS02

Tgt Ion: 63 Resp: 155063
 Ion Ratio Lower Upper
 63 100
 65 32.7 24.9 37.3

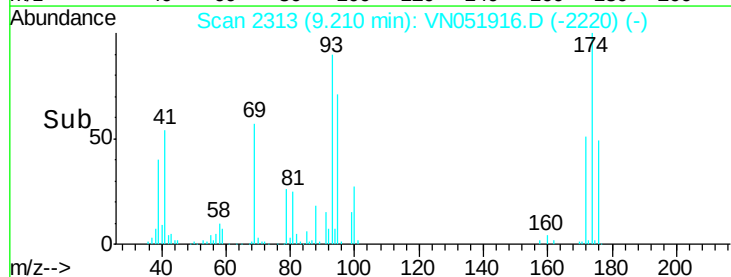
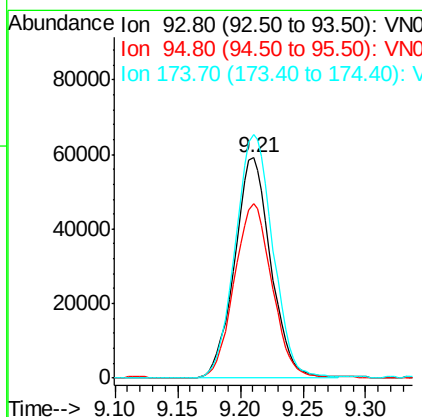
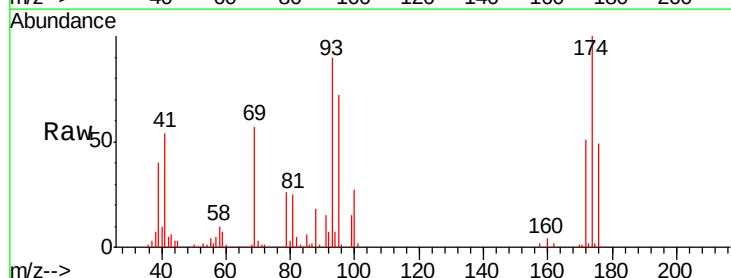
Manual Integrations
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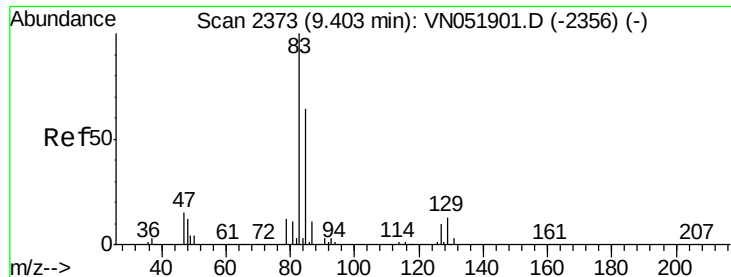
MMDadoda
 10/19/2018 4:37:56 PM



#46
 Dibromomethane
 Concen: 20.27 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051916.D
 Acq: 18 Oct 2018 15:08

Tgt Ion: 93 Resp: 118865
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.8 101.6
 174 114.6 91.9 137.9





#47

Bromodichloromethane

Concen: 19.87 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

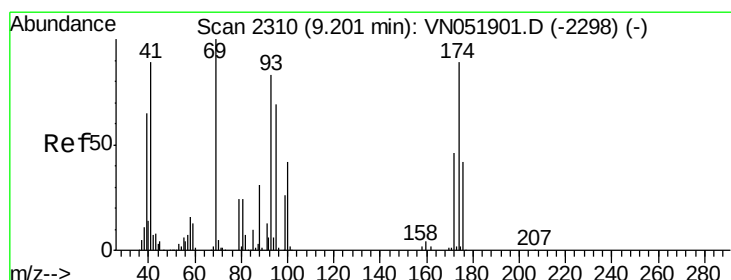
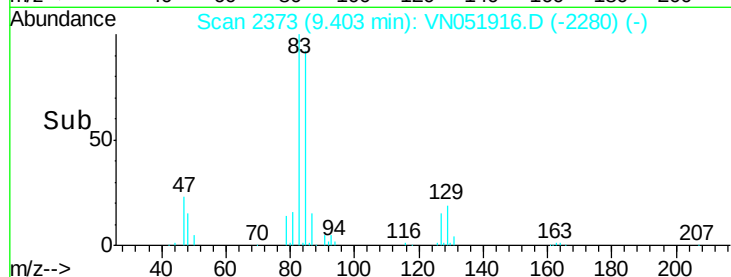
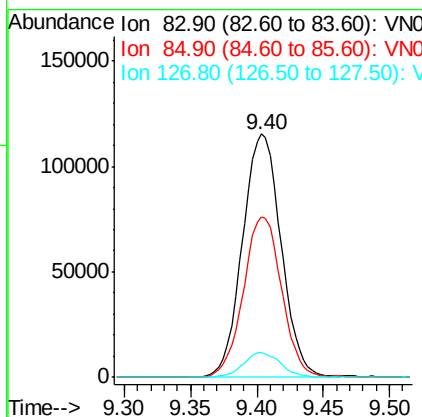
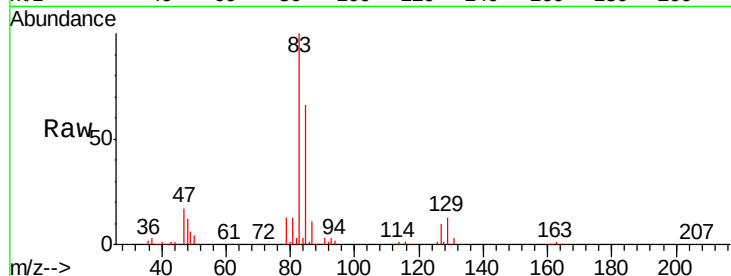
ClientSampleId :

VN1018WBS02

Tgt Ion:	83	Resp:	233496
Ion Ratio	Lower	Upper	
83	100		
85	65.7	51.4	77.2
127	10.3	7.9	11.9

Manual Integrations
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10/19/2018 4:37:56 PM



#48

Methyl methacrylate

Concen: 19.47 ug/l

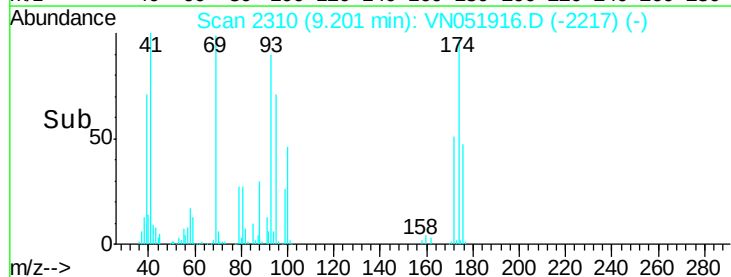
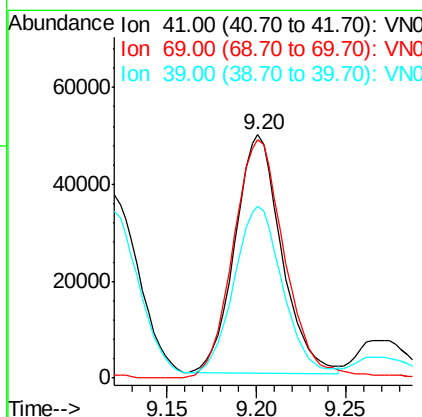
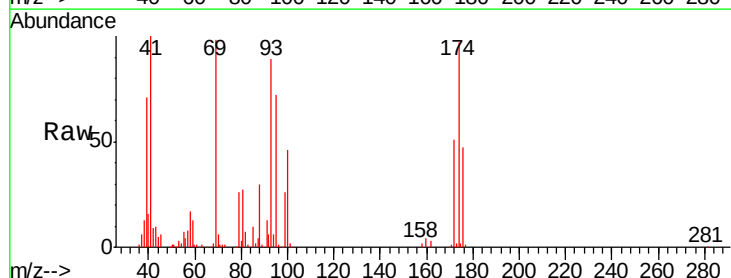
RT: 9.20 min Scan# 2310

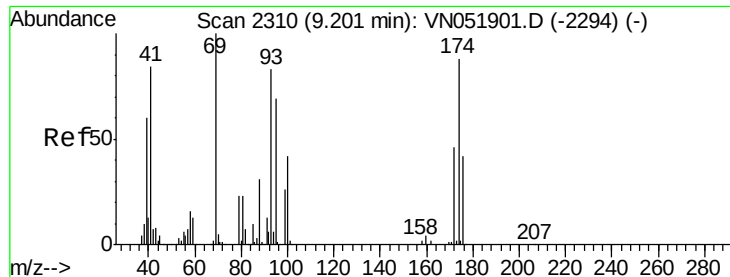
Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Tgt Ion:	41	Resp:	89479
Ion Ratio	Lower	Upper	
41	100		
69	111.6	90.2	135.2
39	76.1	59.7	89.5





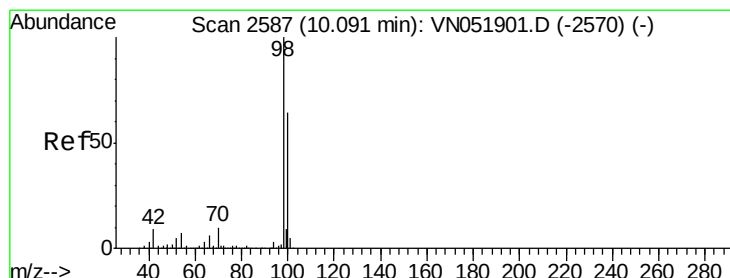
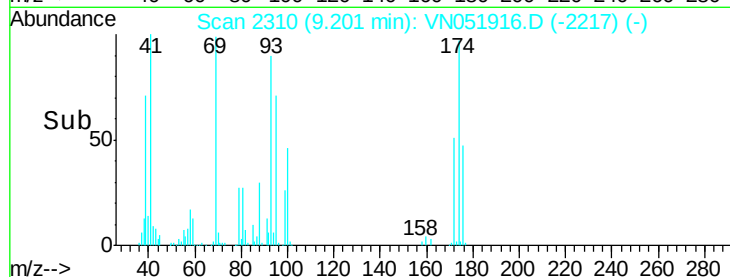
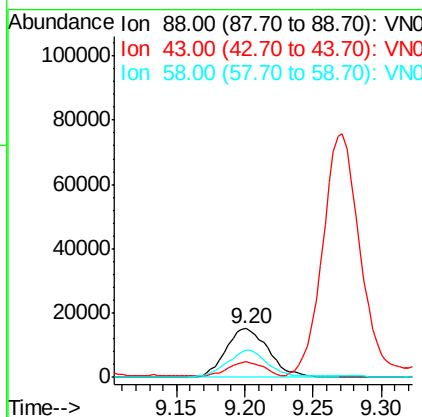
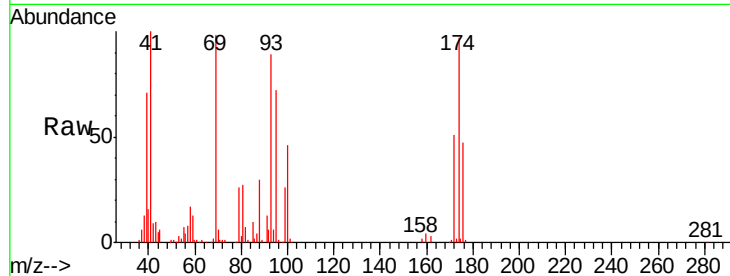
#49
1,4-Dioxane
Concen: 381.05 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	23.9	19.7	29.5
58	52.2	42.6	64.0

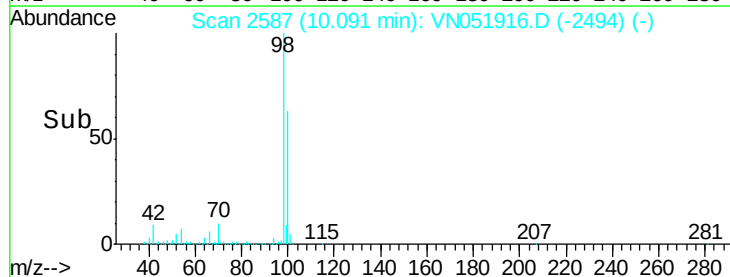
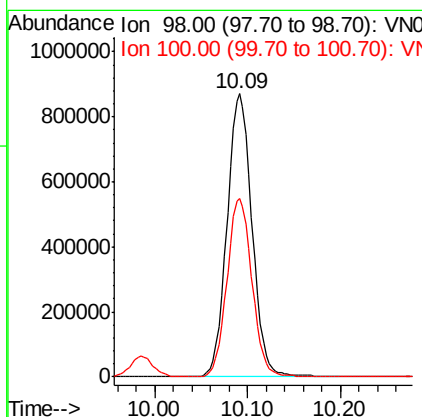
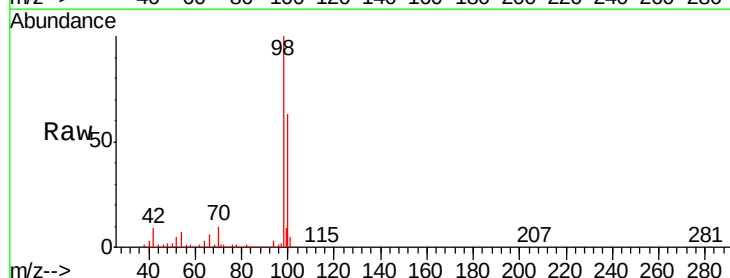
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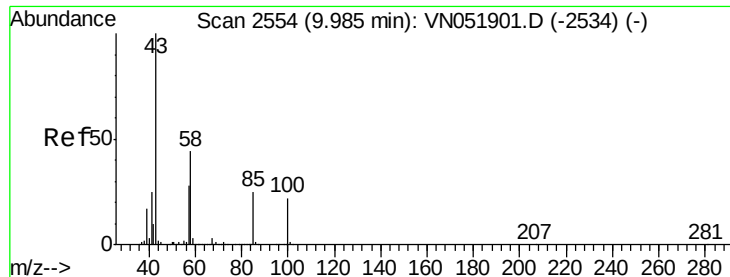
MMDadoda
10/19/2018 4:37:56 PM



#50
Toluene-d8
Concen: 381.05 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.0	76.4





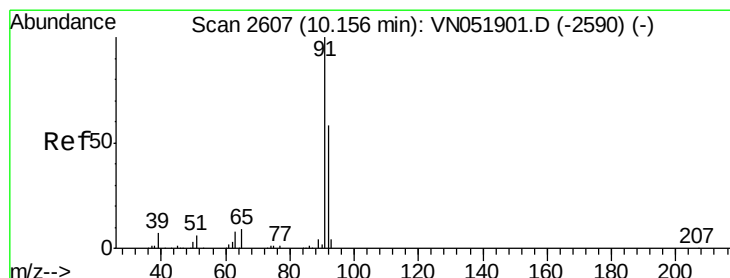
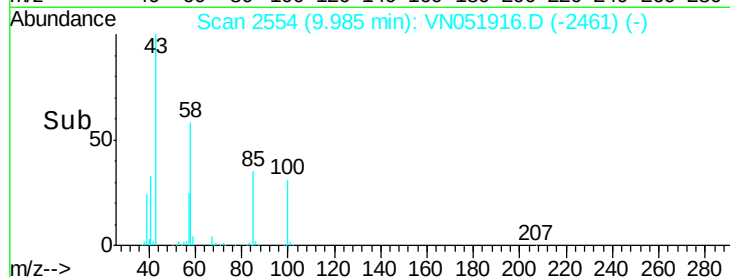
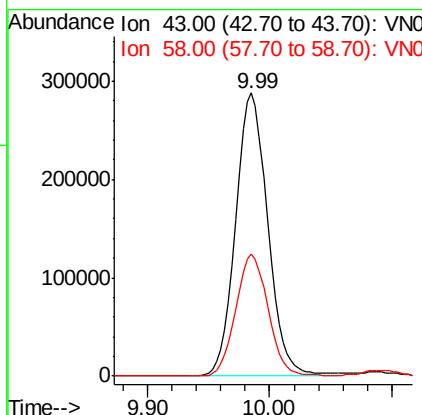
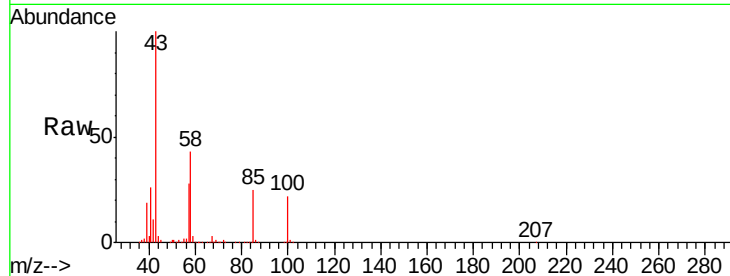
#51
 4-Methyl-2-Pentanone
 Concen: 99.03 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051916.D
 Acq: 18 Oct 2018 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBS02

Tgt Ion: 43 Resp: 524965
 Ion Ratio Lower Upper
 43 100
 58 43.3 34.6 52.0

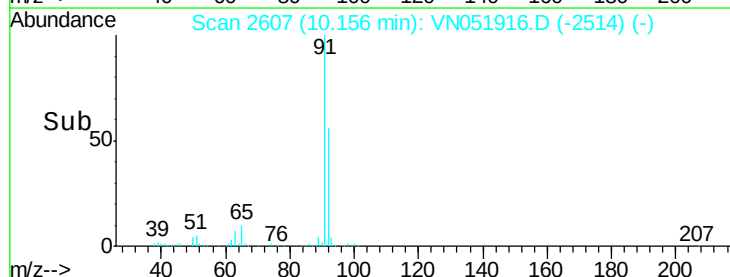
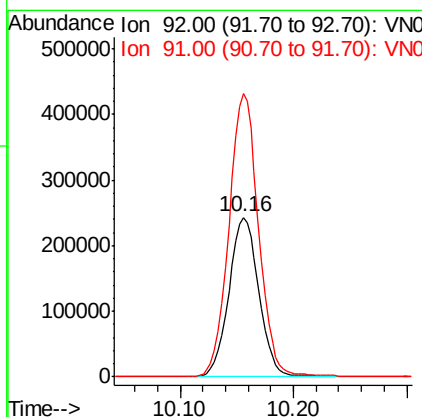
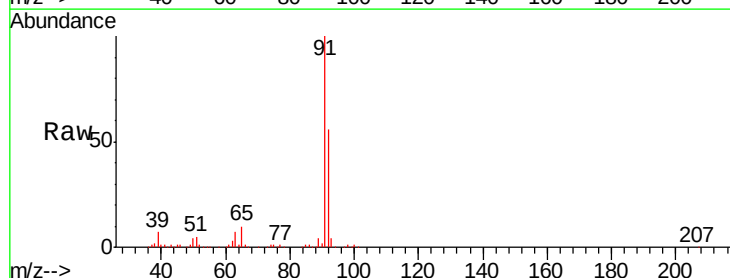
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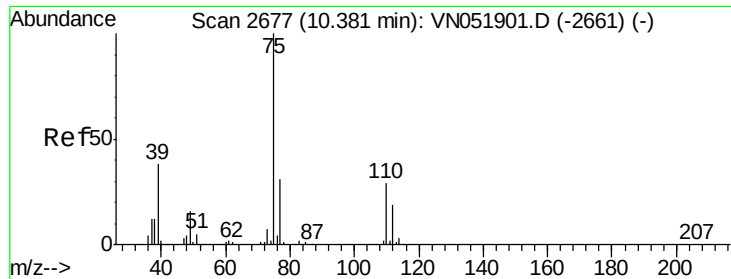
MMDadoda
 10/19/2018 4:37:56 PM



#52
 Toluene
 Concen: 20.09 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051916.D
 Acq: 18 Oct 2018 15:08

Tgt Ion: 92 Resp: 447050
 Ion Ratio Lower Upper
 92 100
 91 176.4 139.8 209.6





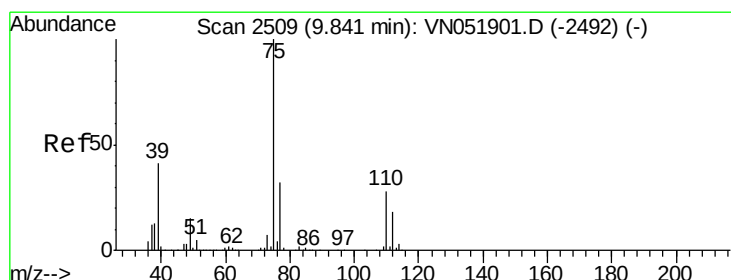
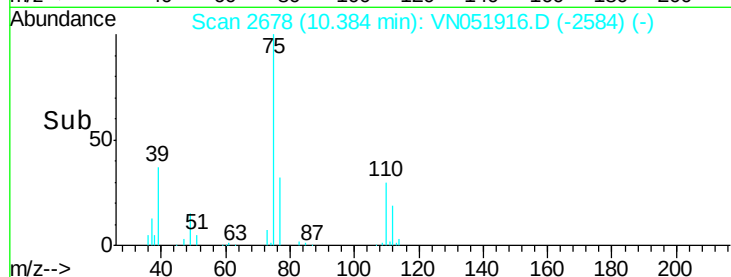
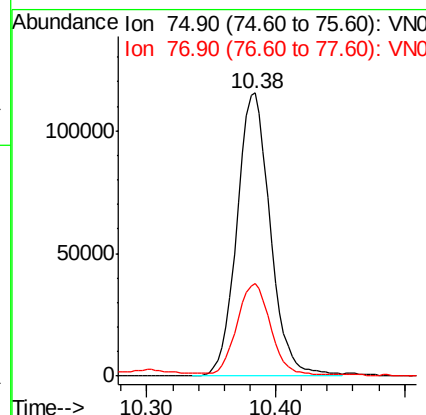
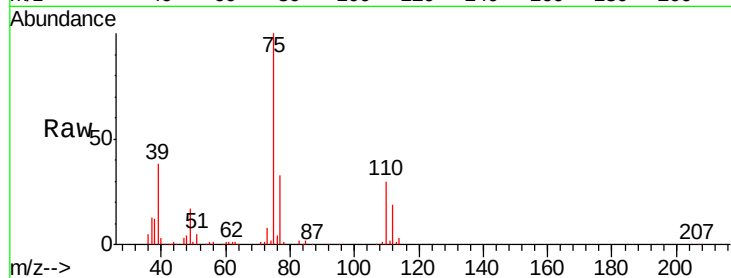
#53
t-1,3-Dichloropropene
Concen: 18.67 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBS02

Tgt Ion: 75 Resp: 207910
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.0

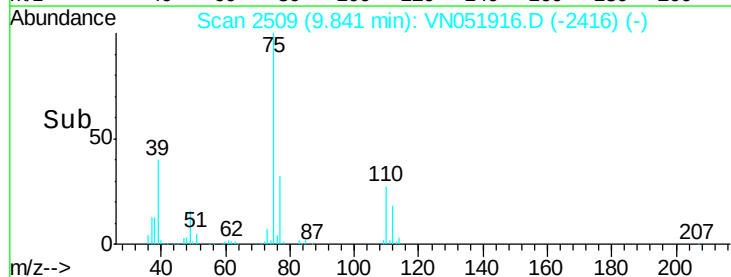
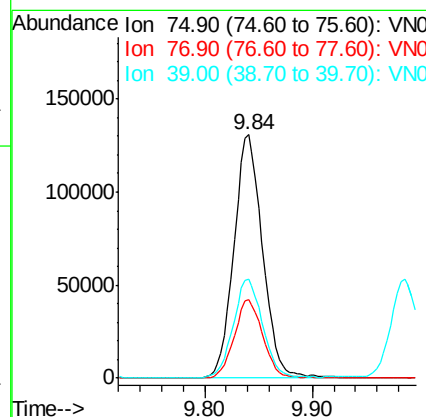
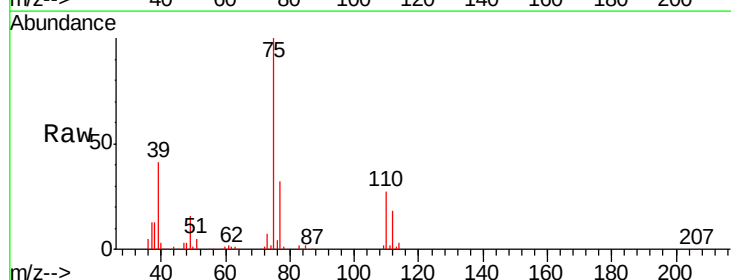
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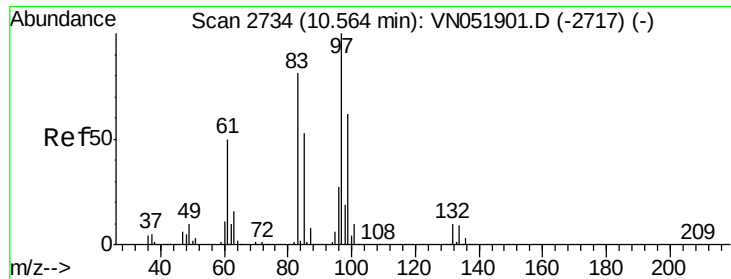
MMDadoda
10/19/2018 4:37:56 PM



#54
cis-1,3-Dichloropropene
Concen: 19.56 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Tgt Ion: 75 Resp: 242890
Ion Ratio Lower Upper
75 100
77 32.2 25.3 37.9
39 40.5 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 20.08 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

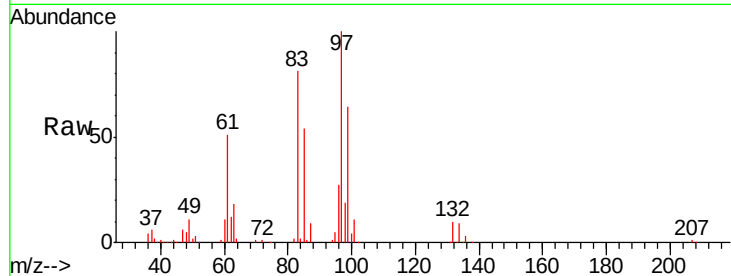
ClientSampleId :

VN1018WBS02

Tgt Ion:	97	Resp:	163719
Ion	Ratio	Lower	Upper
97	100		
83	80.8	64.6	96.8
85	54.2	42.3	63.5
99	63.9	49.7	74.5

Manual Integrations
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10/19/2018 4:37:56 PM

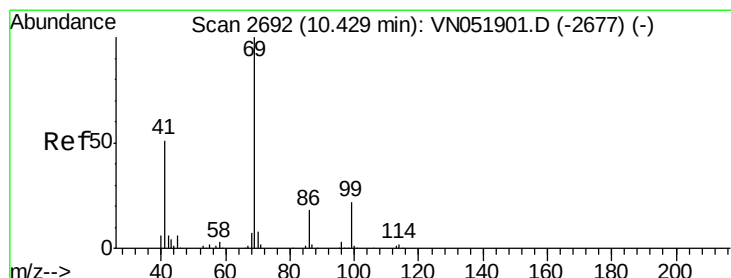
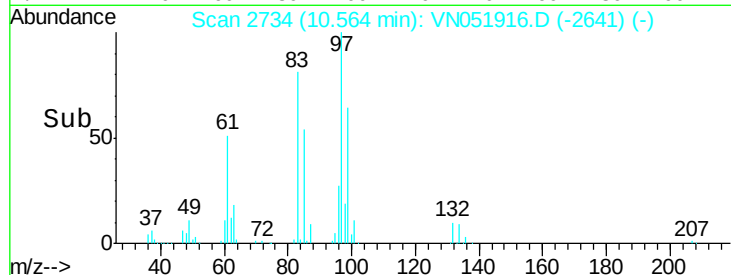
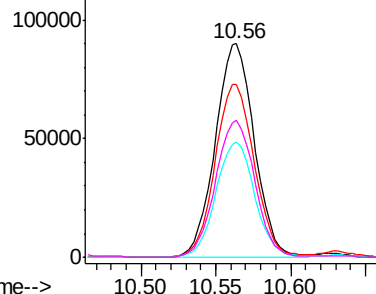


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.44 ug/l

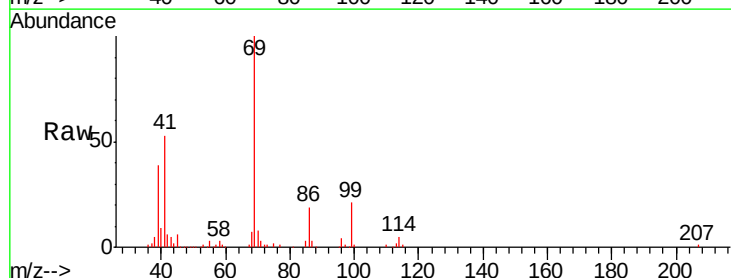
RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

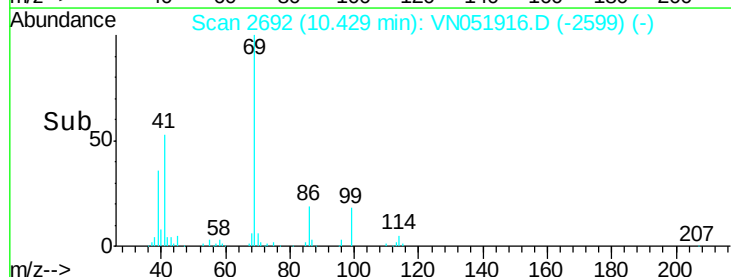
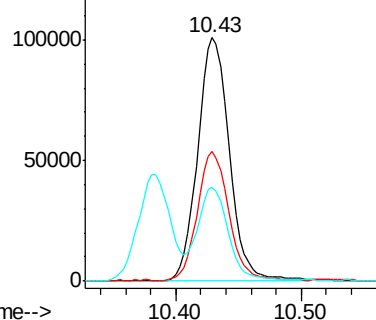
Tgt Ion:	69	Resp:	177248
Ion	Ratio	Lower	Upper
69	100		
41	52.2	40.6	61.0
39	37.9	29.4	44.0

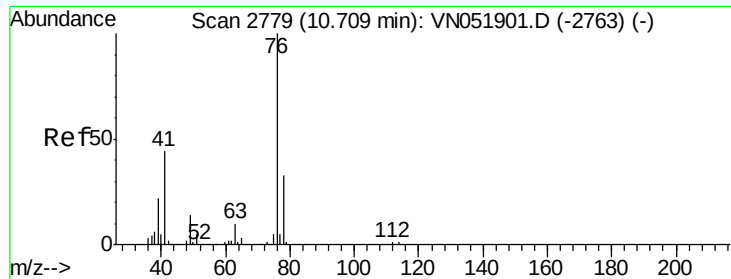


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.12 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBS02

Tgt Ion: 76 Resp: 249770

Ion Ratio Lower Upper

76 100

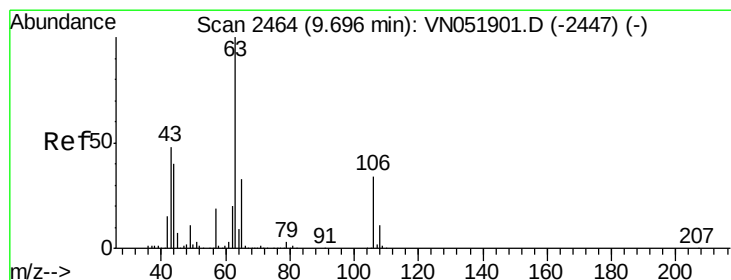
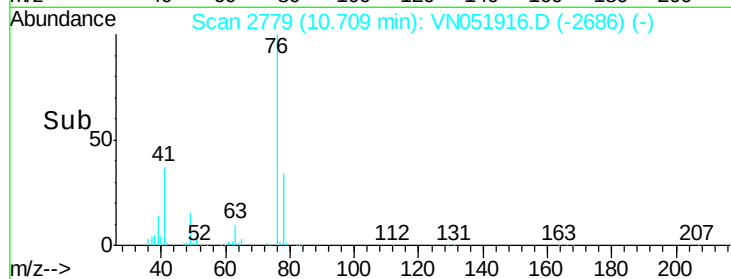
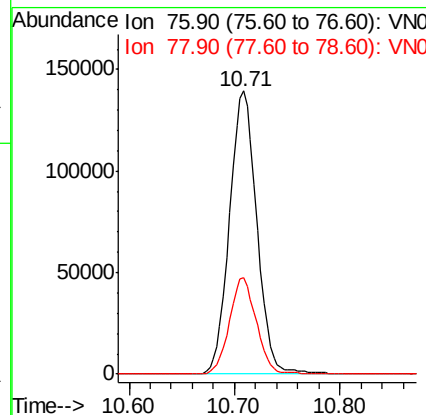
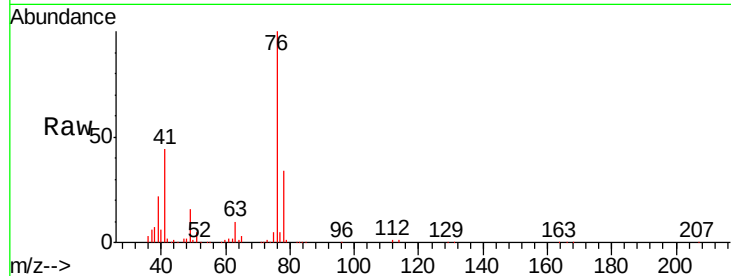
78 33.3 25.8 38.6

Manual Integrations

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10/19/2018 4:37:56 PM



#58

2-Chloroethyl Vinyl ether

Concen: 89.13 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051916.D

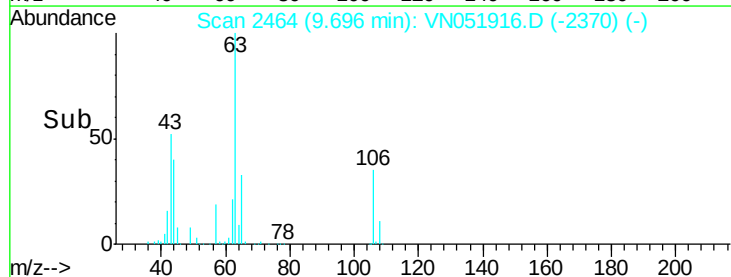
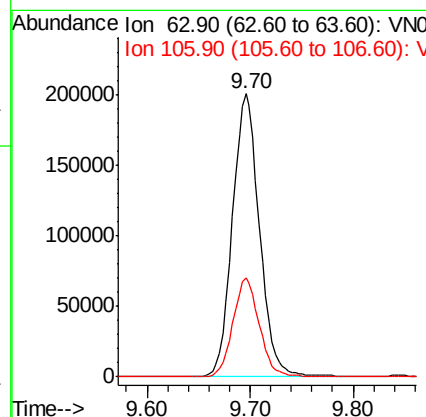
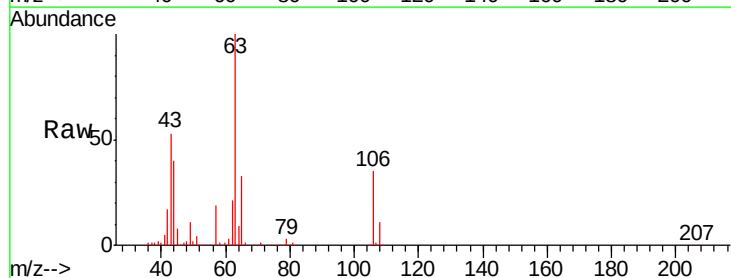
Acq: 18 Oct 2018 15:08

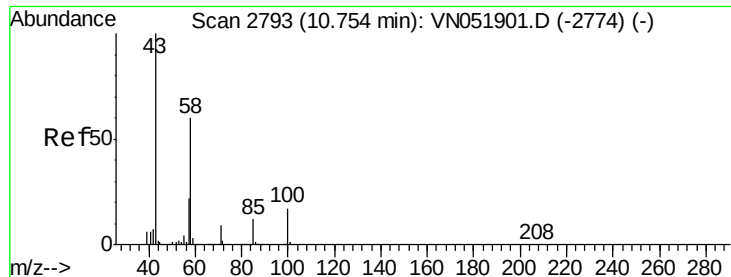
Tgt Ion: 63 Resp: 366497

Ion Ratio Lower Upper

63 100

106 34.1 27.5 41.3





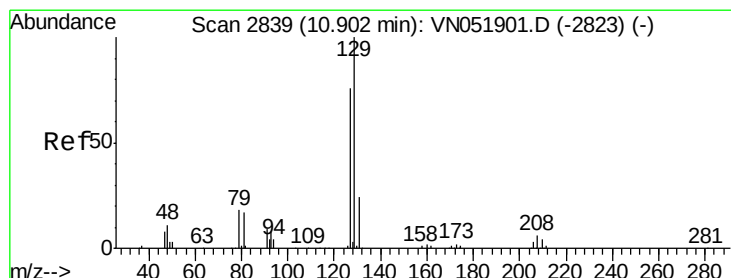
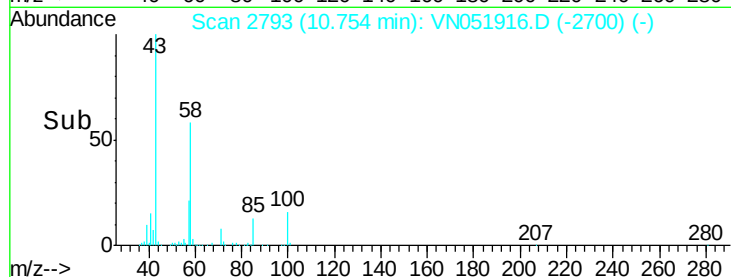
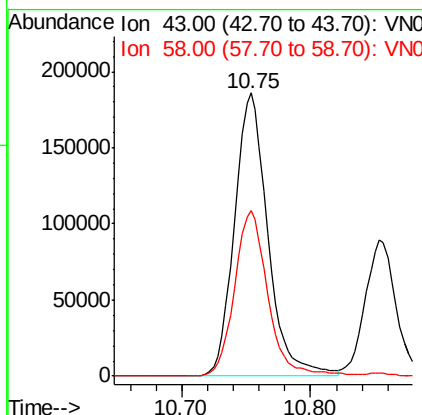
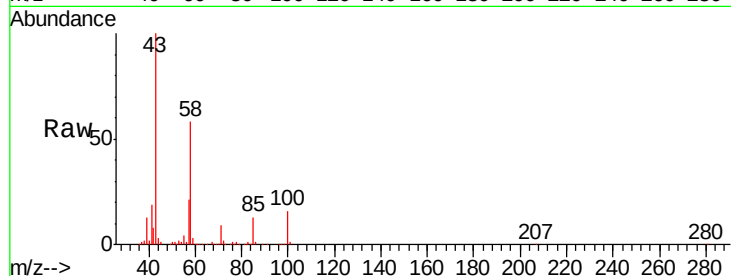
#59
2-Hexanone
Concen: 93.34 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBS02

Tgt Ion: 43 Resp: 331759
Ion Ratio Lower Upper
43 100
58 58.8 29.8 89.5

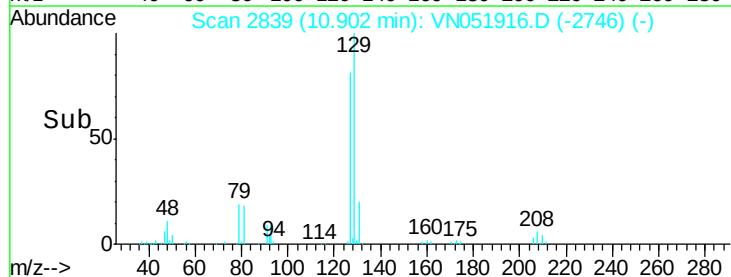
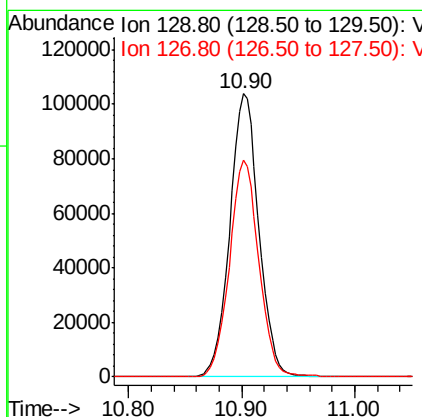
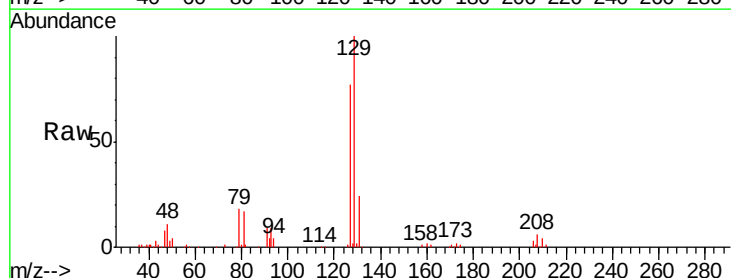
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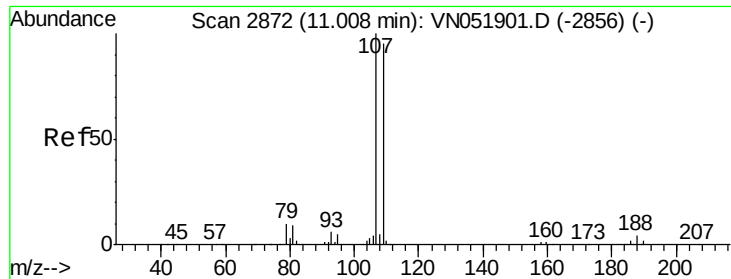
MMDadoda
10/19/2018 4:37:56 PM



#60
Dibromochloromethane
Concen: 18.30 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Tgt Ion: 129 Resp: 185152
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8





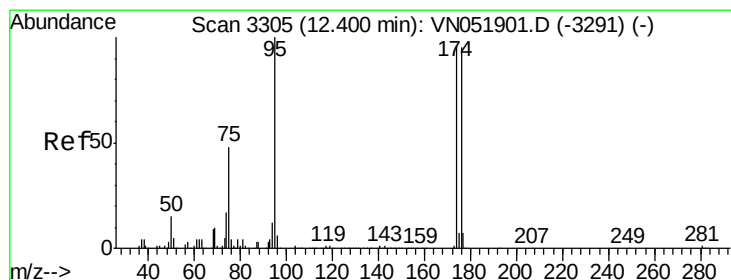
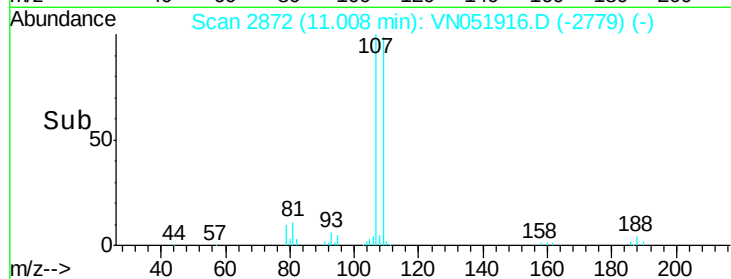
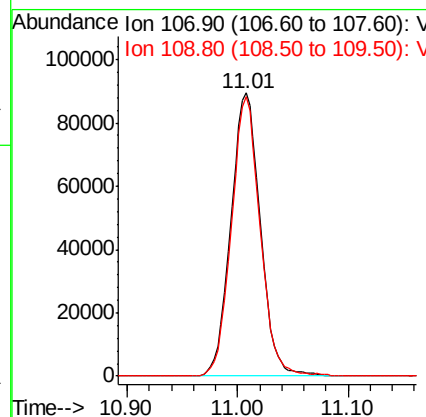
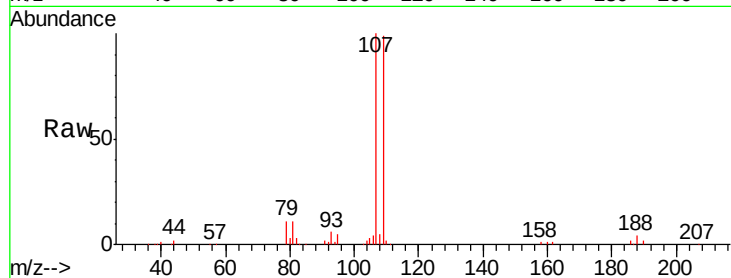
#61
 1,2-Dibromoethane
 Concen: 19.40 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051916.D
 Acq: 18 Oct 2018 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBS02

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.0	112.6

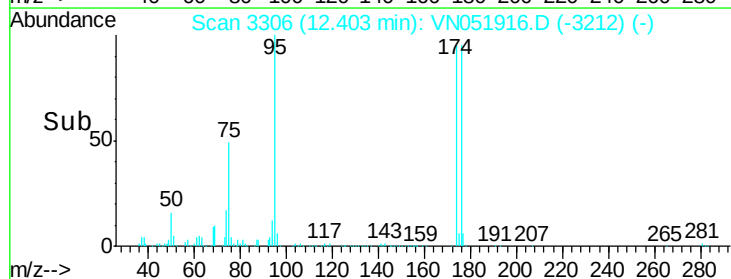
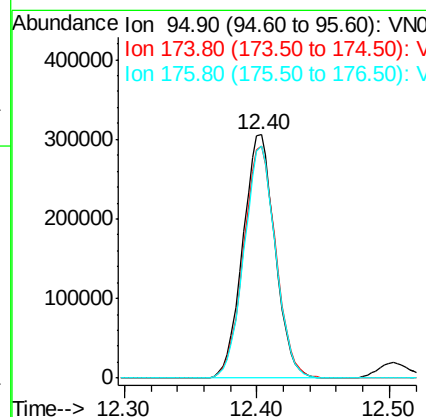
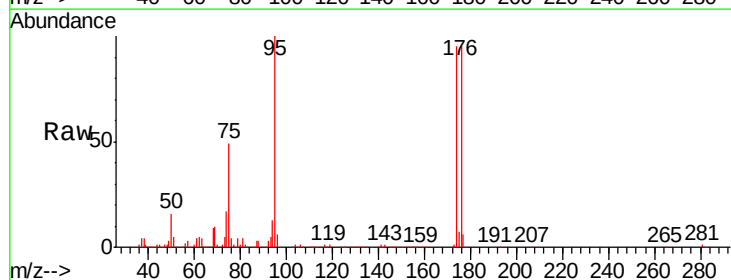
Manual Integrations
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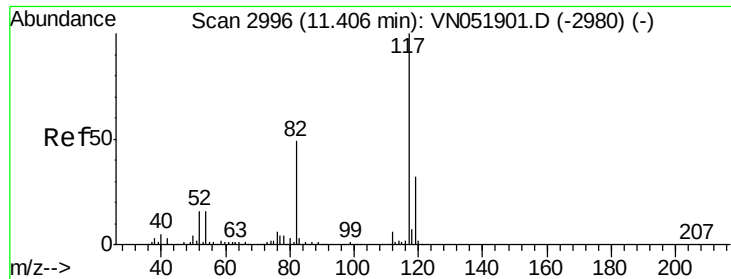
MMDadoda
 10/19/2018 4:37:56 PM



#62
 4-Bromofluorobenzene
 Concen: 19.40 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051916.D
 Acq: 18 Oct 2018 15:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.5	0.0	195.0
176	93.7	0.0	191.4





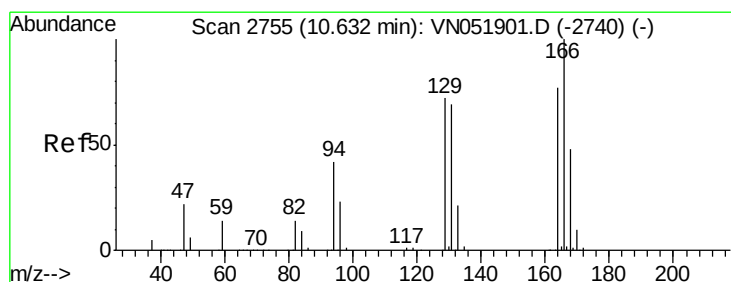
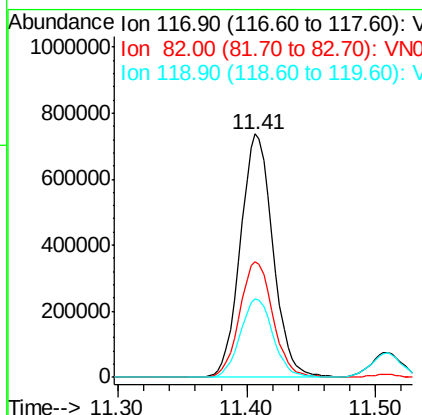
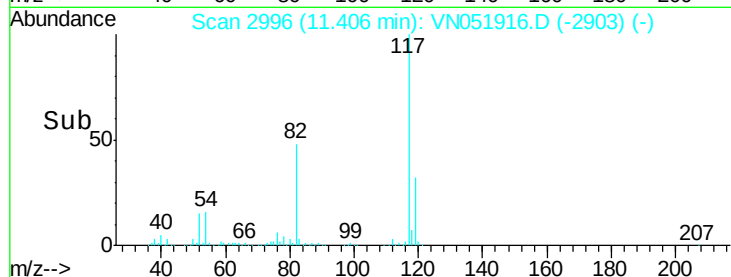
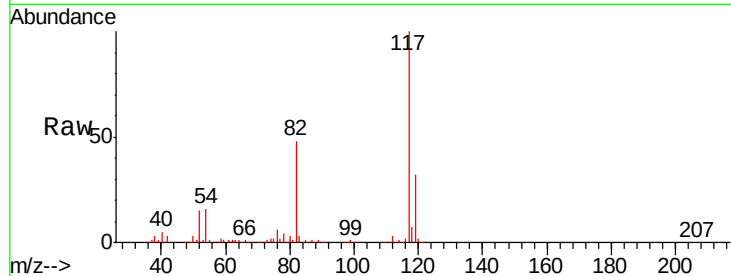
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBS02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	47.7	38.9	58.3
119	32.4	25.9	38.9

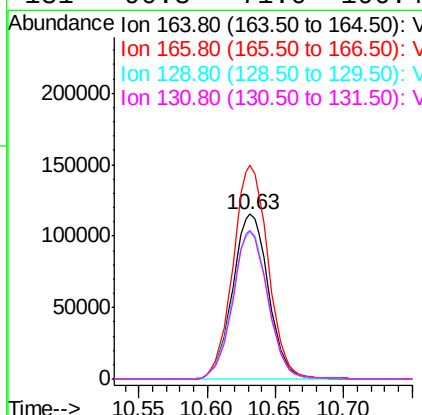
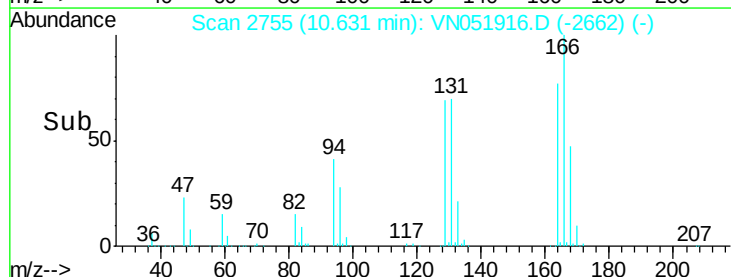
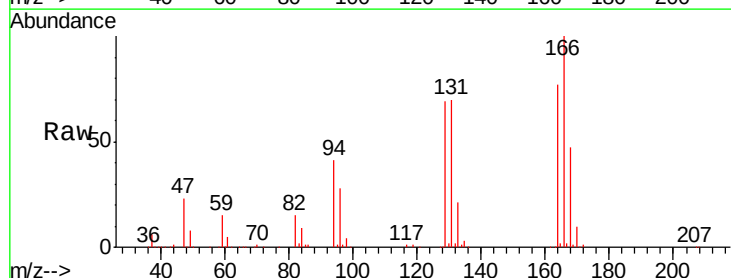
Manual Integrations
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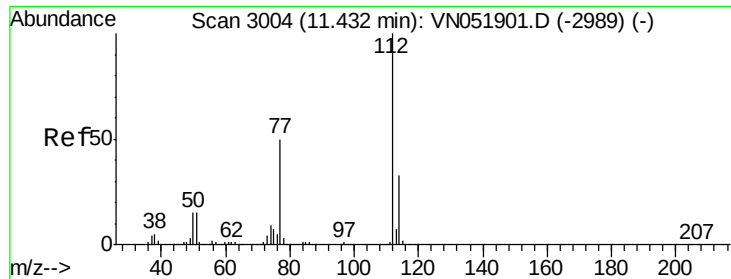
MMDadoda
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#64
Tetrachloroethene
Concen: 20.23 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.4	155.0
129	89.4	73.9	110.9
131	90.3	71.0	106.4





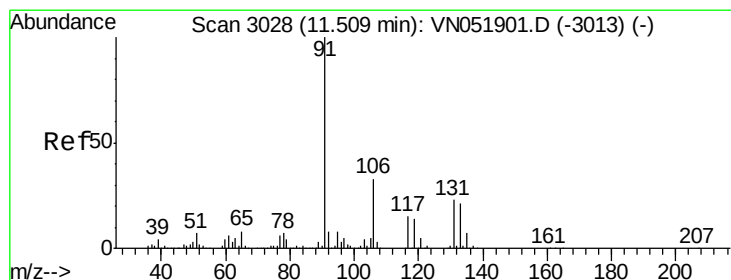
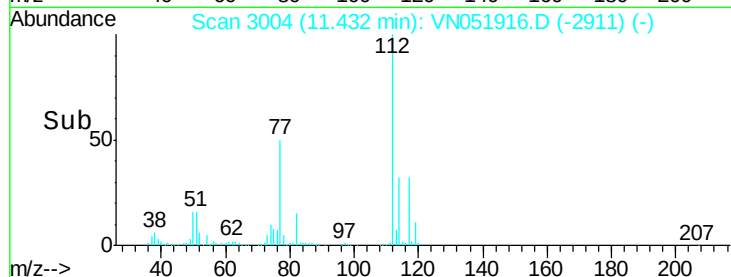
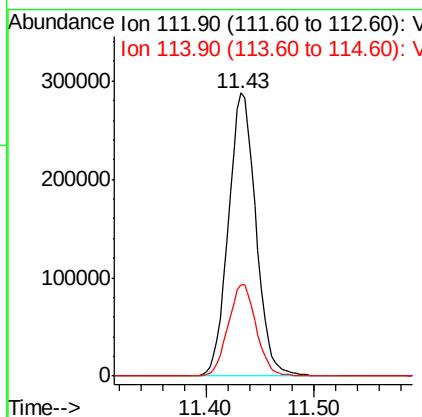
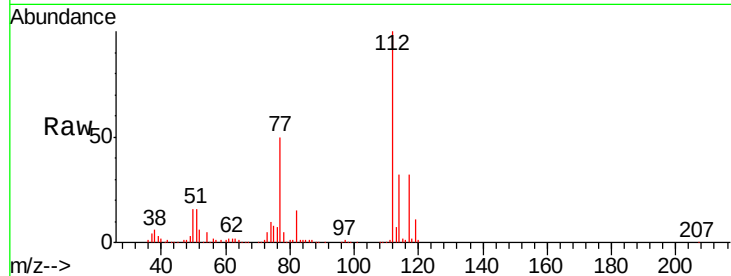
#65
Chlorobenzene
Concen: 19.77 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBS02

Tgt Ion:112 Resp: 511730
Ion Ratio Lower Upper
112 100
114 32.4 26.4 39.6

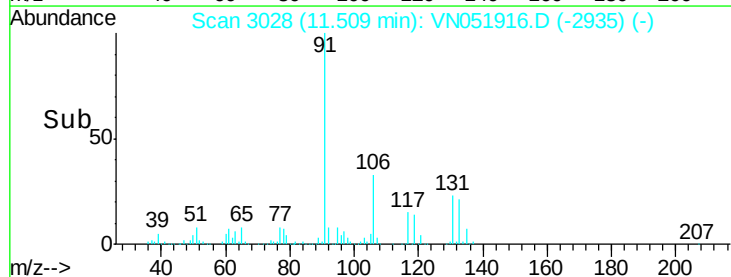
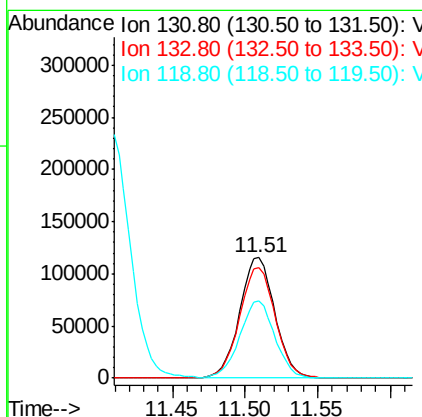
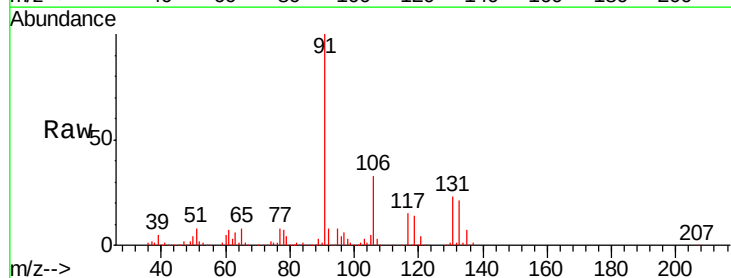
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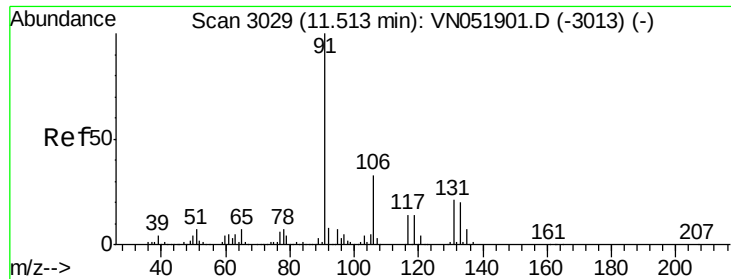
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.25 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Tgt Ion:131 Resp: 195053
Ion Ratio Lower Upper
131 100
133 93.5 47.5 142.6
119 63.8 32.1 96.5





#67

Ethyl Benzene

Concen: 19.91 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBS02

Tgt Ion: 91 Resp: 844299

Ion Ratio Lower Upper

91 100

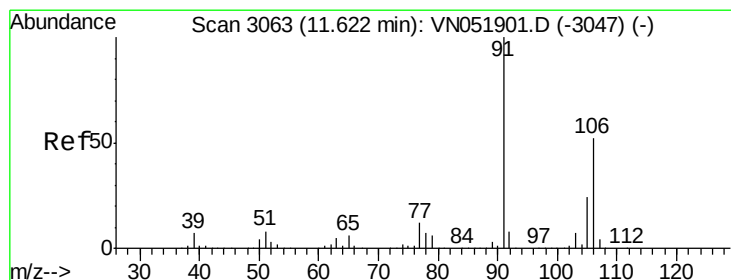
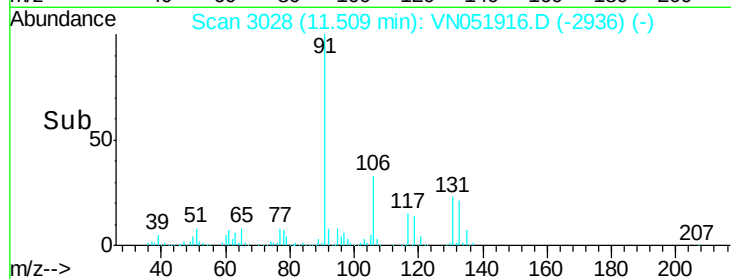
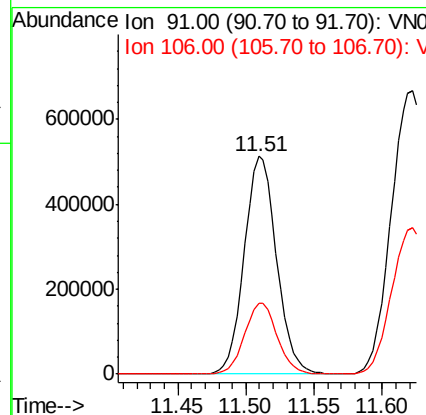
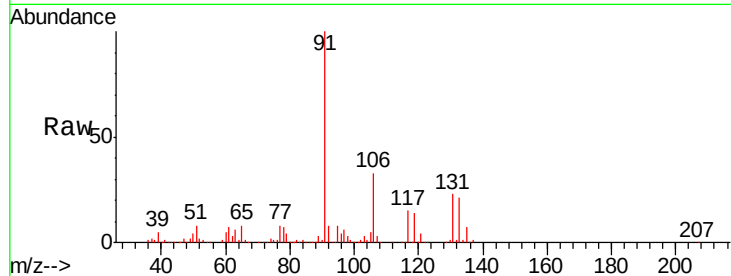
106 32.5 26.6 39.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.66 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051916.D

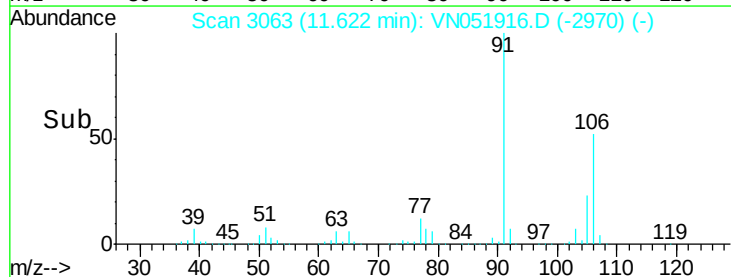
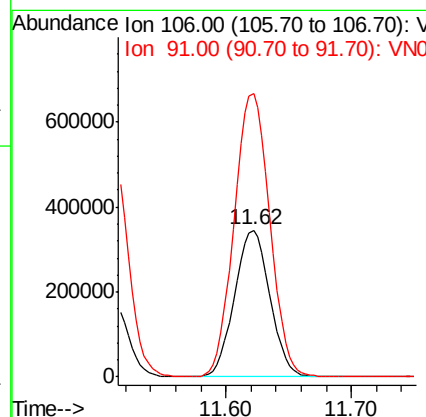
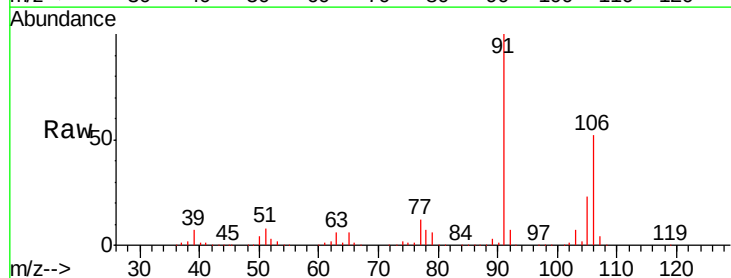
Acq: 18 Oct 2018 15:08

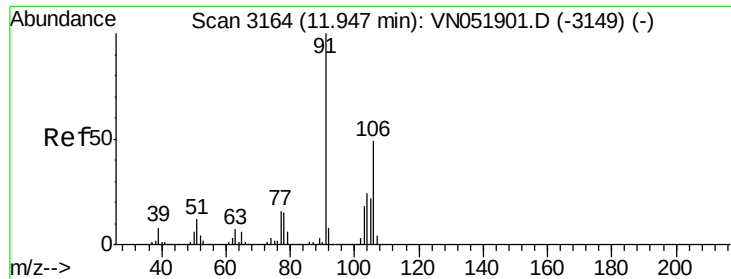
Tgt Ion: 106 Resp: 675241

Ion Ratio Lower Upper

106 100

91 194.9 153.6 230.4





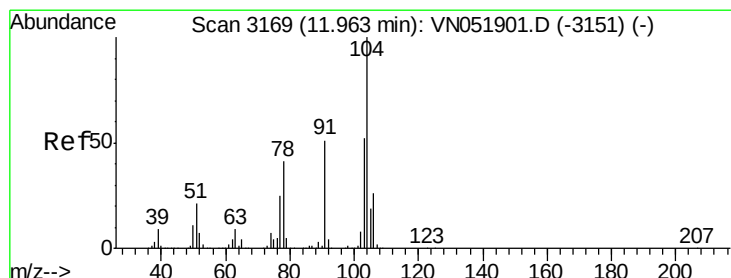
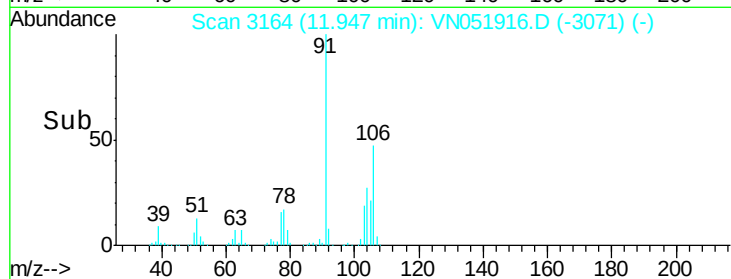
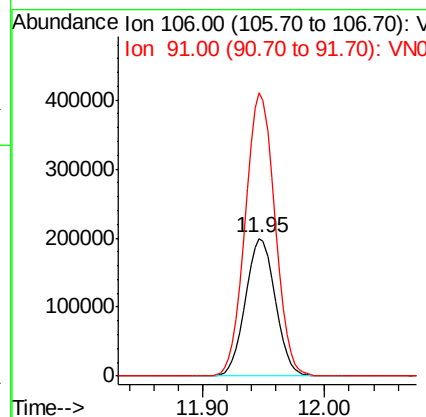
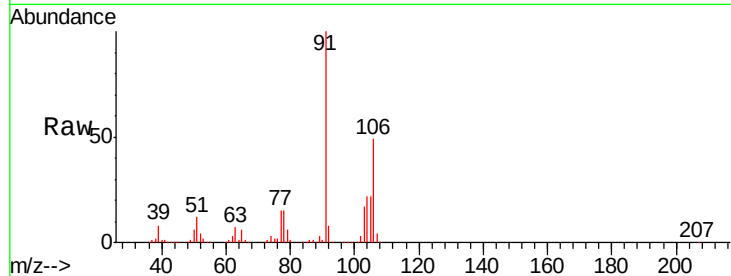
#69
o-Xylene
Concen: 20.21 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBS02

Tgt Ion:106 Resp: 335247
Ion Ratio Lower Upper
106 100
91 204.6 100.7 302.1

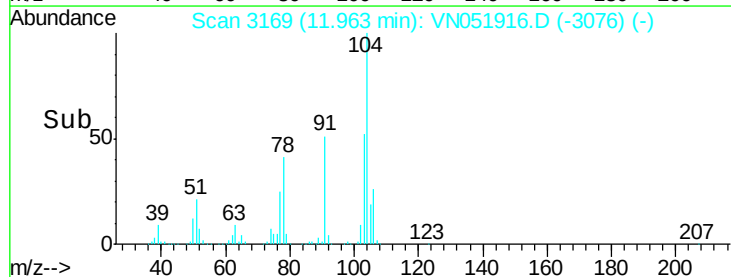
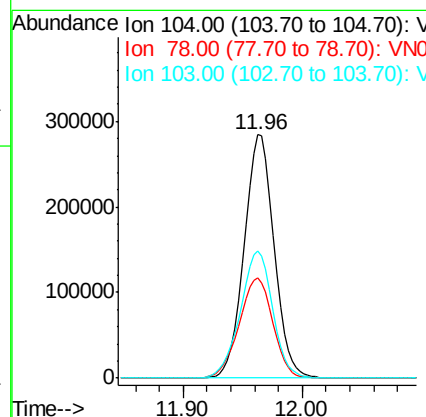
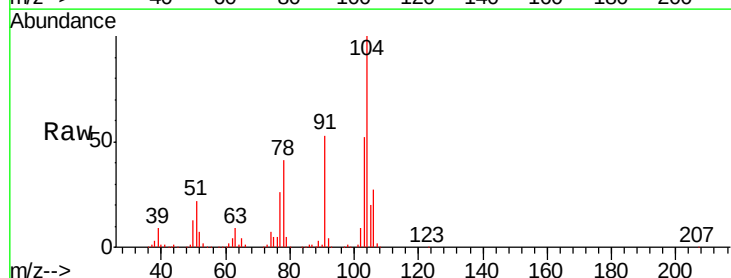
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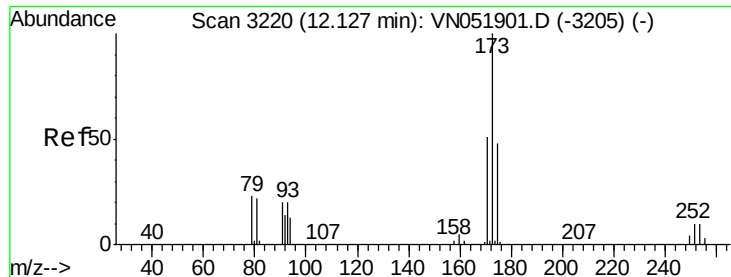
MMDadoda
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#70
Styrene
Concen: 19.45 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Tgt Ion:104 Resp: 496345
Ion Ratio Lower Upper
104 100
78 46.5 36.6 55.0
103 56.5 44.6 67.0





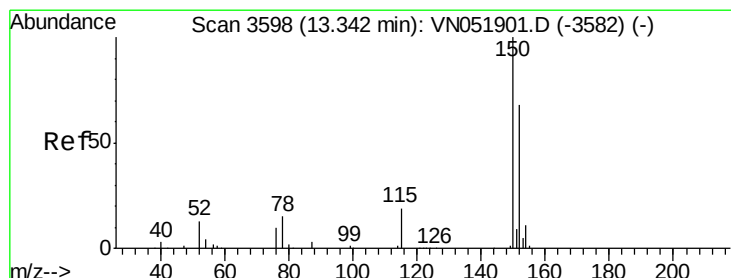
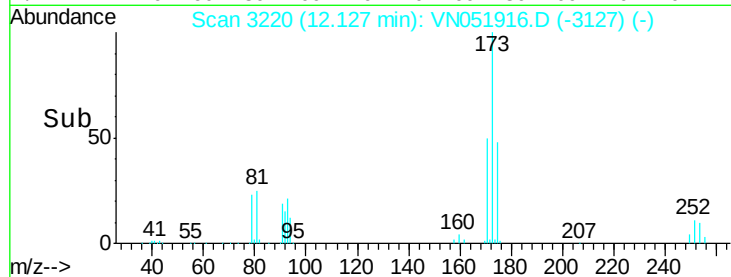
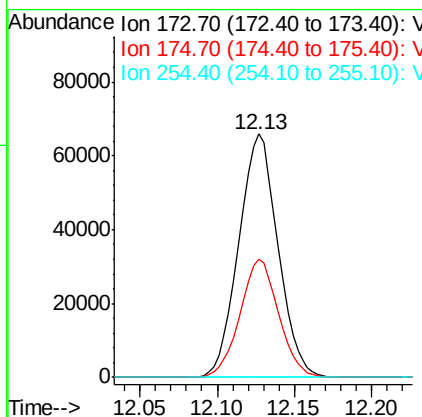
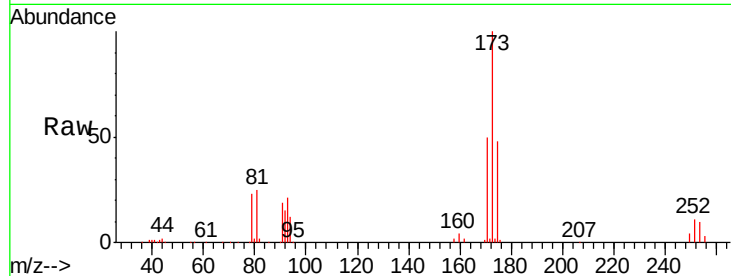
#71
Bromoform
Concen: 18.25 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	116361		
175	47.6	24.0	72.0	
254	0.0	0.2	0.2	

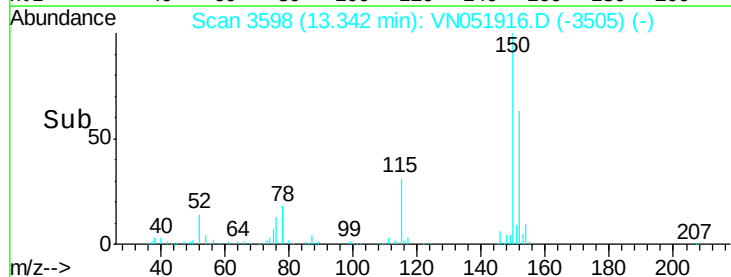
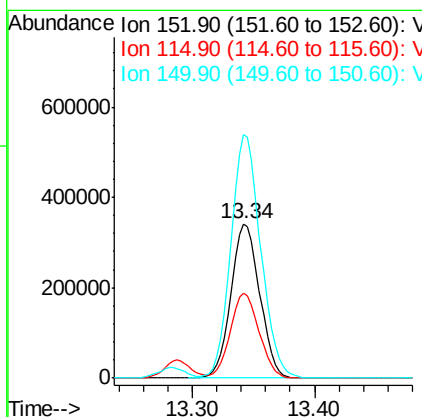
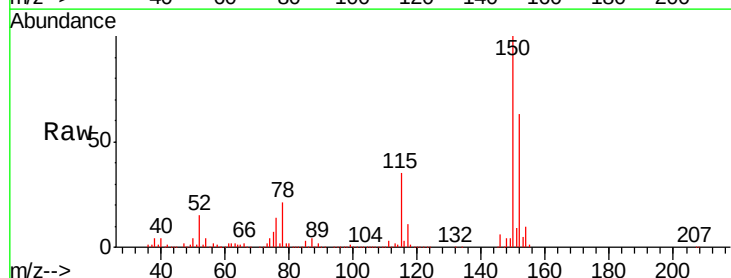
Manual Integrations
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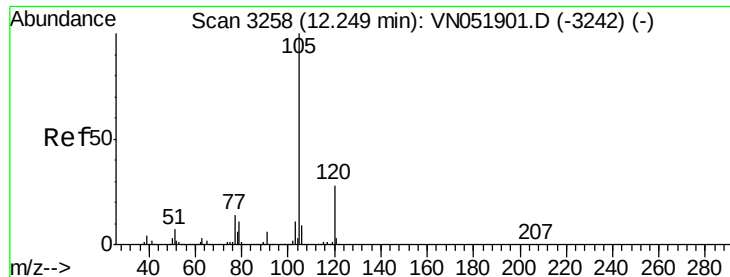
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	560294		
115	55.4	26.7	80.1	
150	163.6	0.0	346.4	





#73

Isopropylbenzene

Concen: 20.50 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBS02

Tgt Ion: 105 Resp: 889060

Ion Ratio Lower Upper

105 100

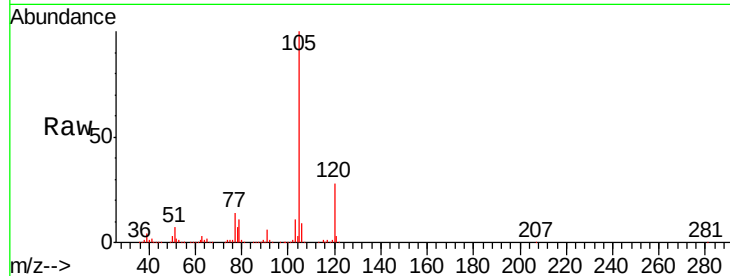
120 27.6 14.0 41.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

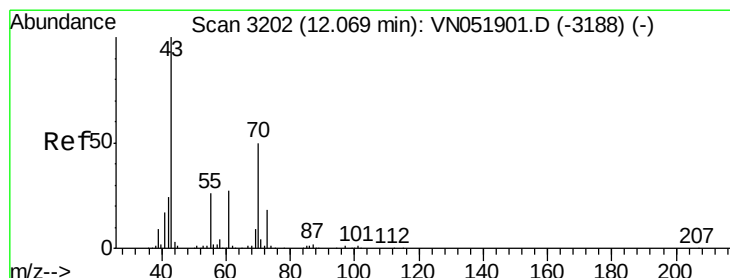
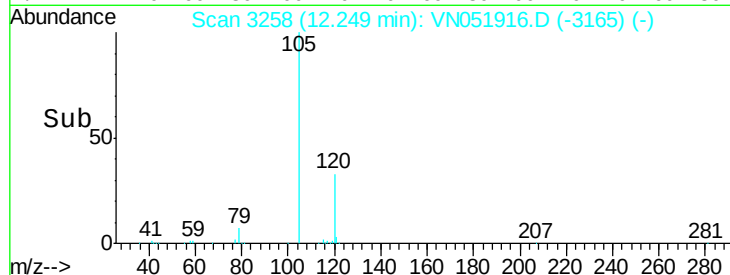
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.09 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Tgt Ion: 43 Resp: 142392

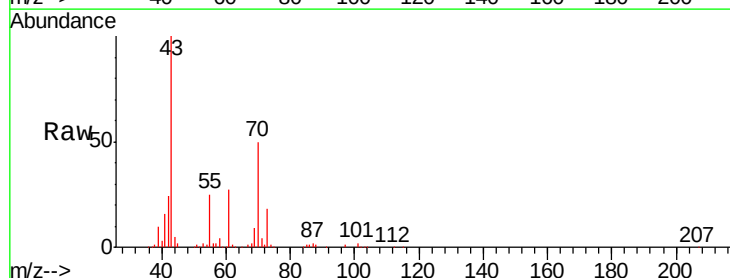
Ion Ratio Lower Upper

43 100

70 51.4 40.1 60.1

55 26.7 21.0 31.4

61 26.3 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

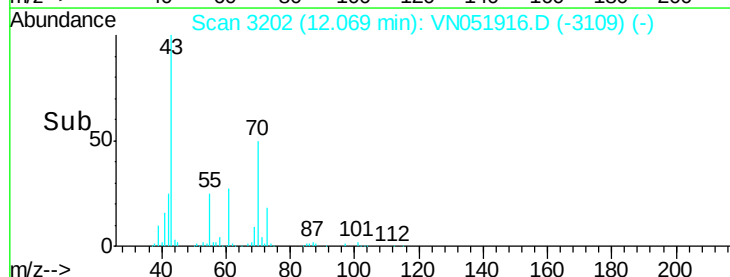
Ion 61.00 (60.70 to 61.70): V

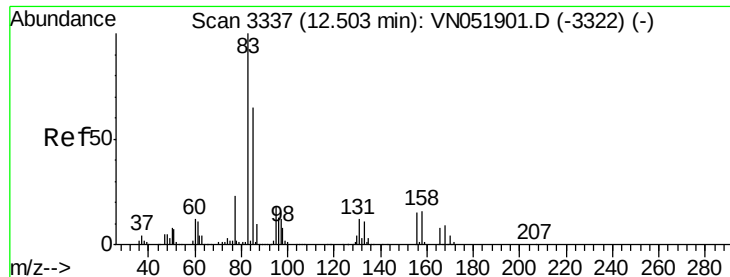
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.84 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

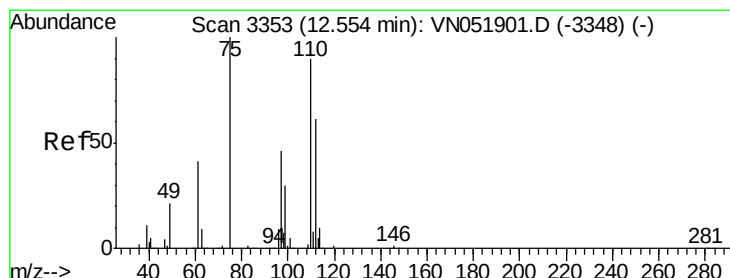
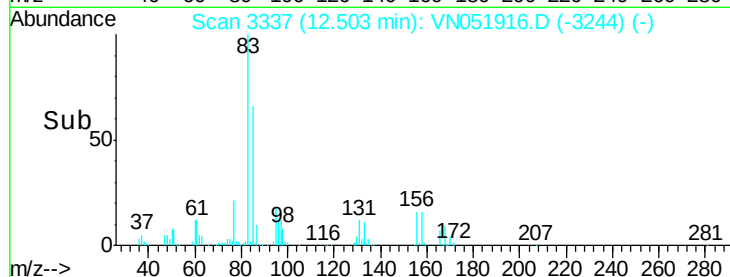
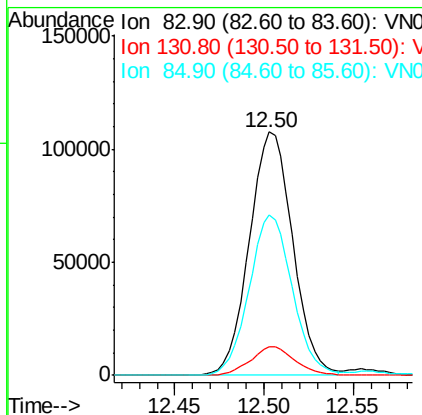
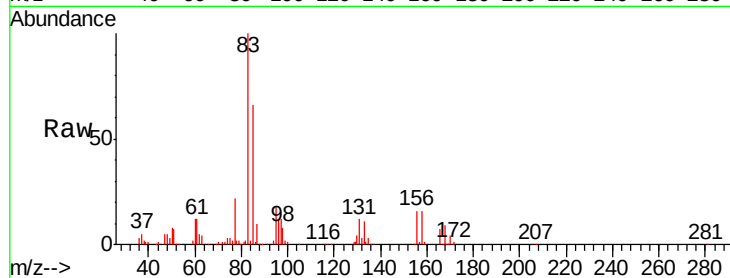
ClientSampleId :

VN1018WBS02

Tgt Ion:	83	Resp:	182717
Ion Ratio	Lower	Upper	
83	100		
131	12.2	6.2	18.6
85	65.6	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.89 ug/l m

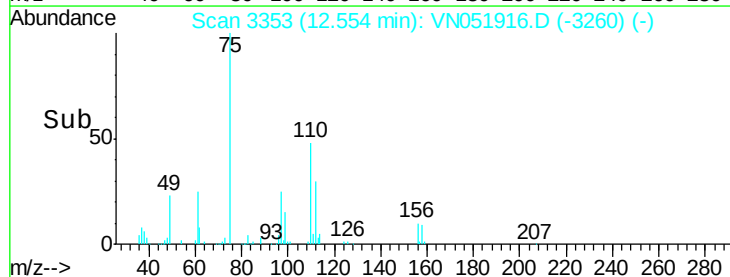
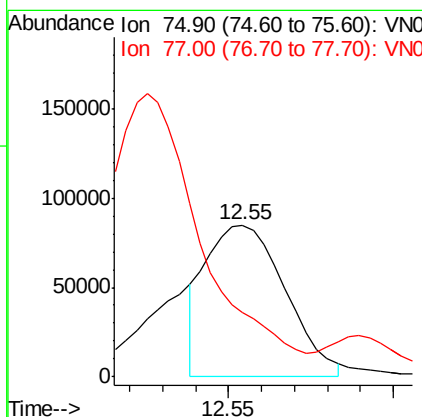
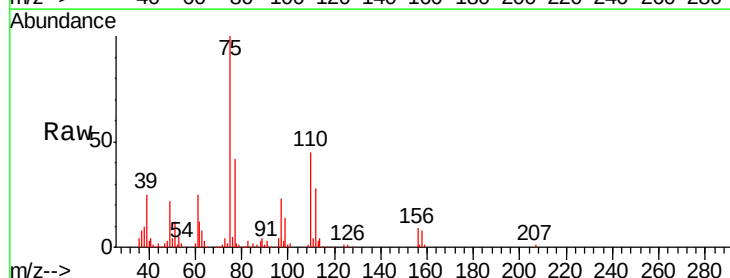
RT: 12.55 min Scan# 3353

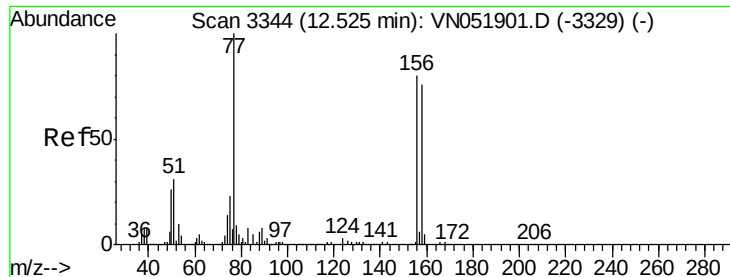
Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Tgt Ion:	75	Resp:	142250
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.23 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

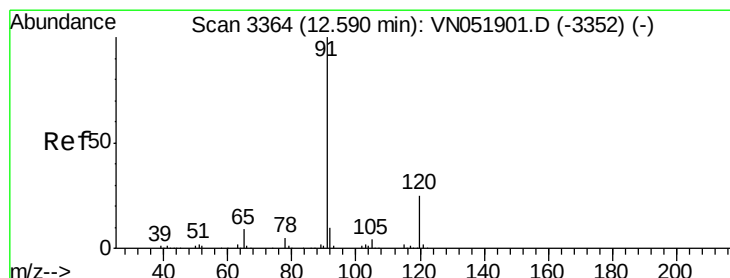
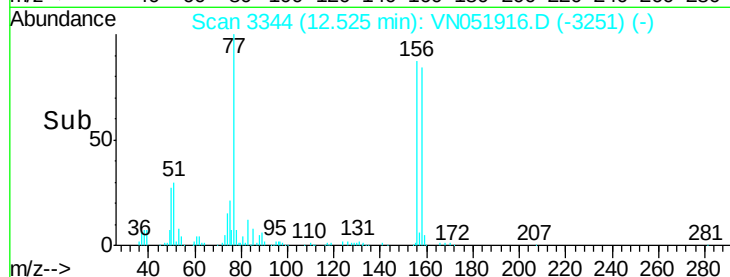
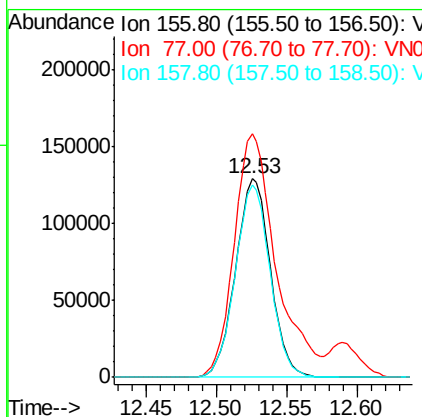
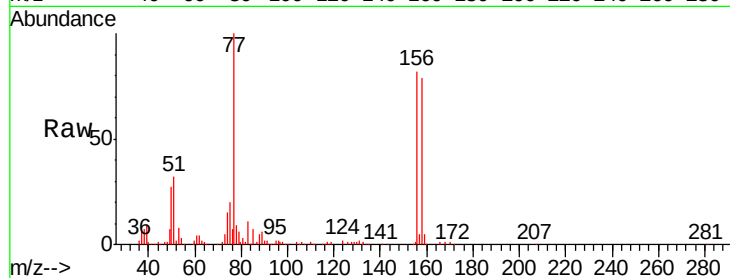
ClientSampleId :

VN1018WBS02

Tgt Ion:	156	Resp:	223314
Ion Ratio	Lower	Upper	
156	100		
77	146.6	73.0	219.0
158	96.6	48.4	145.0

Manual Integrations
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#78

n-propylbenzene

Concen: 20.46 ug/l

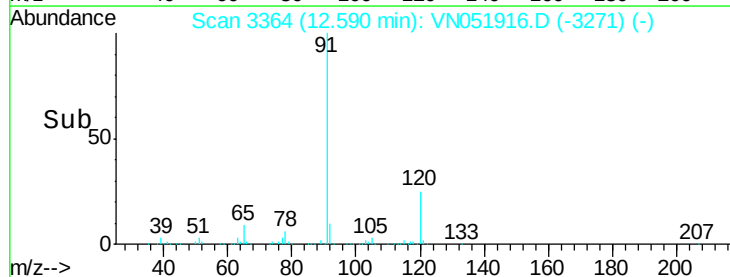
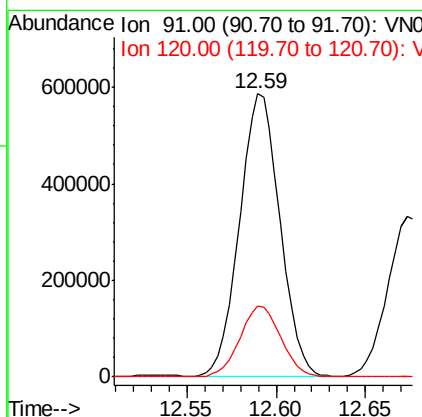
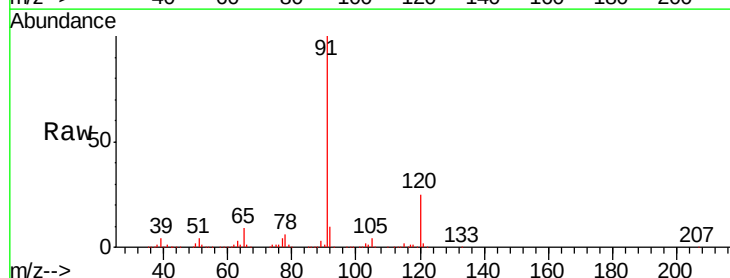
RT: 12.59 min Scan# 3364

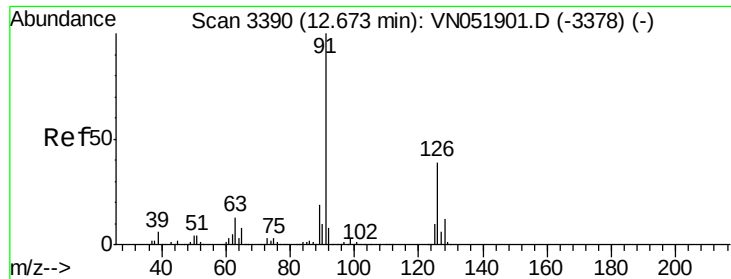
Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Tgt Ion:	91	Resp:	923861
Ion Ratio	Lower	Upper	
91	100		
120	25.3	12.9	38.7





#79

2-Chlorotoluene

Concen: 21.42 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBS02

Tgt Ion: 91 Resp: 549265

Ion Ratio Lower Upper

91 100

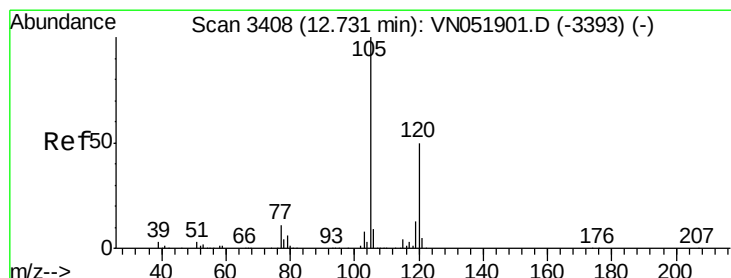
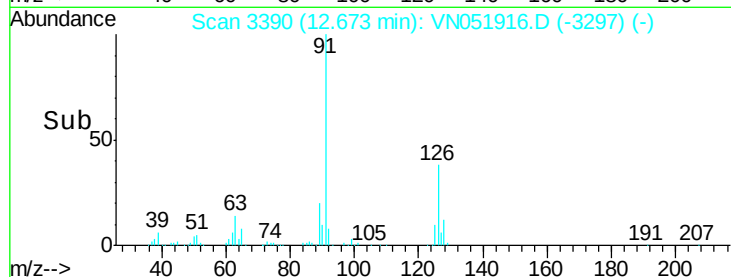
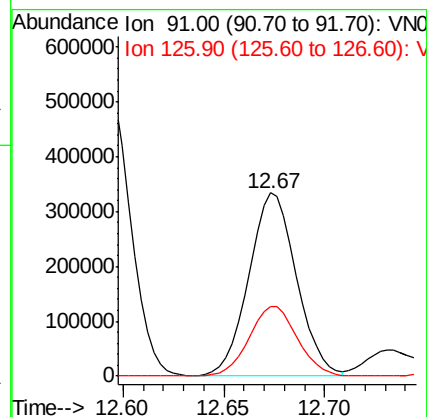
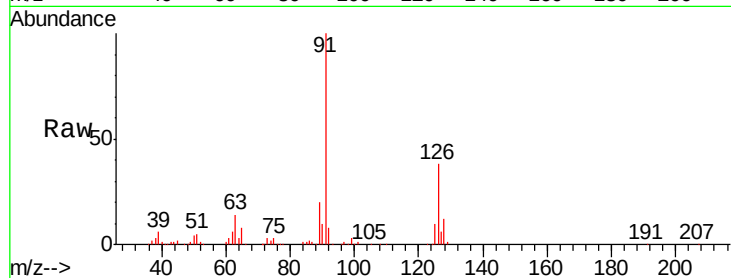
126 38.7 19.6 58.7

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#80

1,3,5-Trimethylbenzene

Concen: 20.61 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051916.D

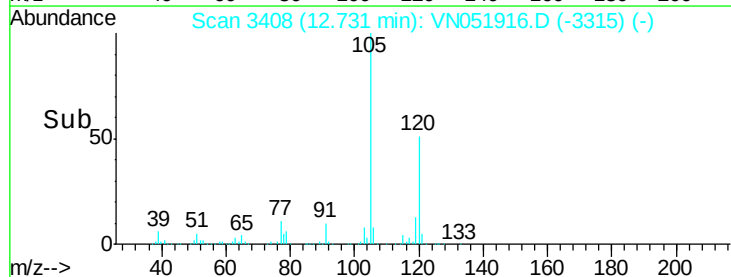
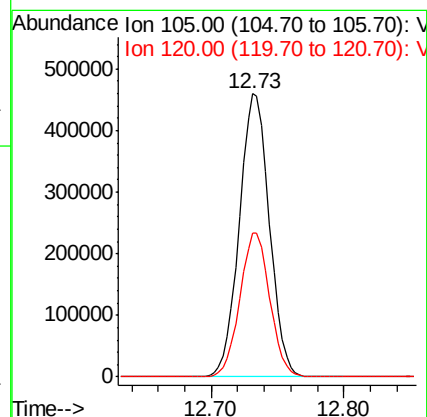
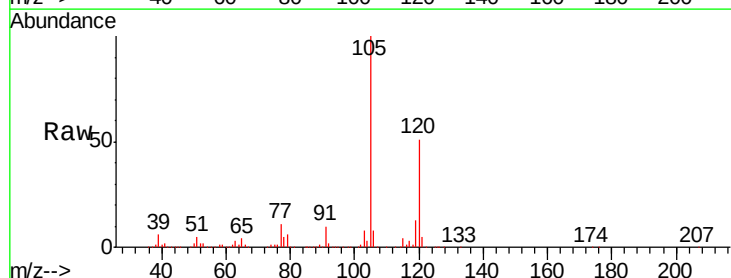
Acq: 18 Oct 2018 15:08

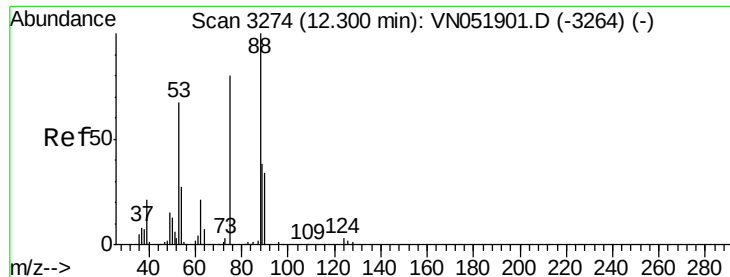
Tgt Ion: 105 Resp: 722550

Ion Ratio Lower Upper

105 100

120 50.5 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 17.90 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

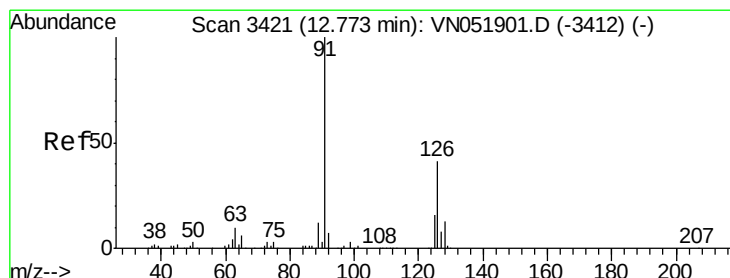
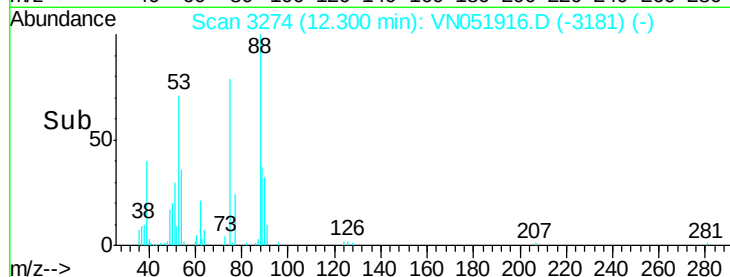
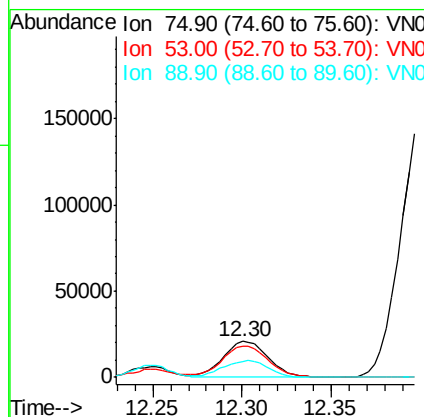
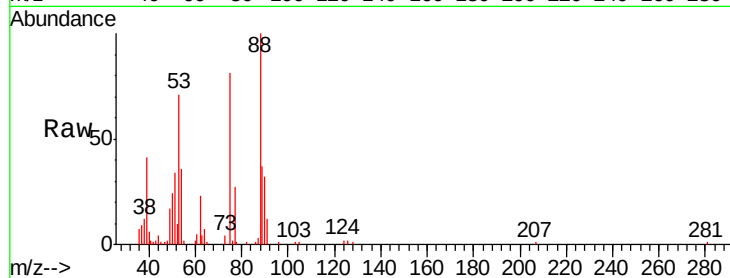
ClientSampleId :

VN1018WBS02

Tgt Ion:	75	Resp:	36775
Ion	Ratio	Lower	Upper
75	100		
53	89.4	68.5	102.7
89	47.4	39.0	58.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.39 ug/l

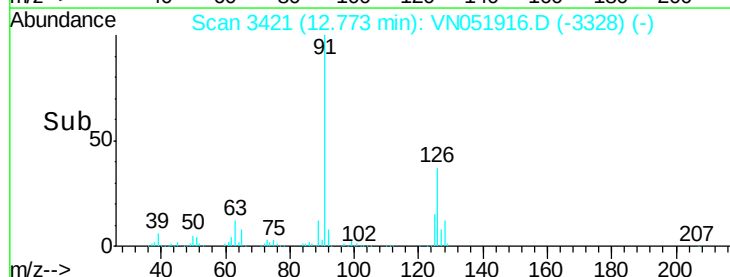
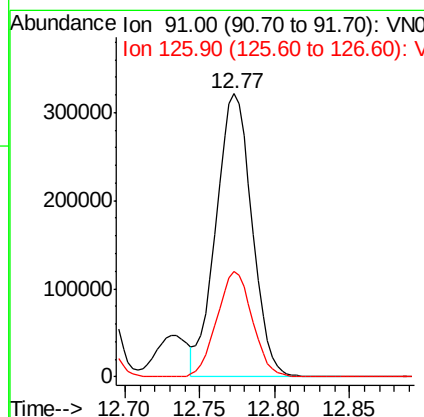
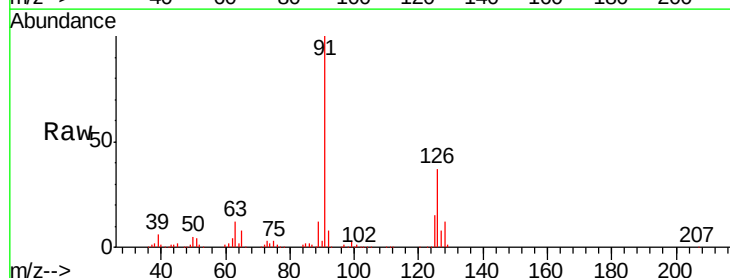
RT: 12.77 min Scan# 3421

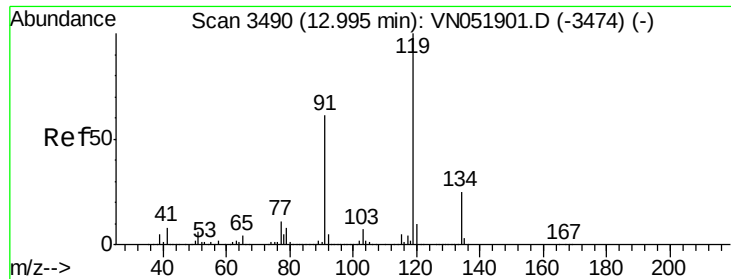
Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Tgt Ion:	91	Resp:	537966
Ion	Ratio	Lower	Upper
91	100		
126	36.5	18.9	56.7





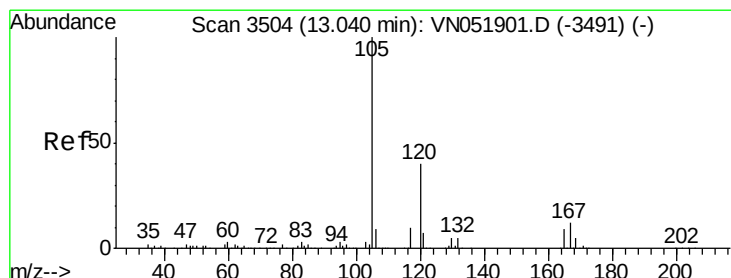
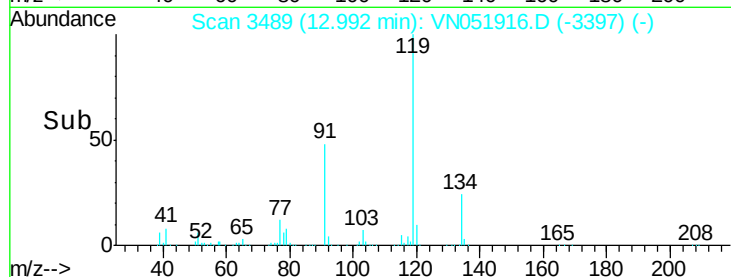
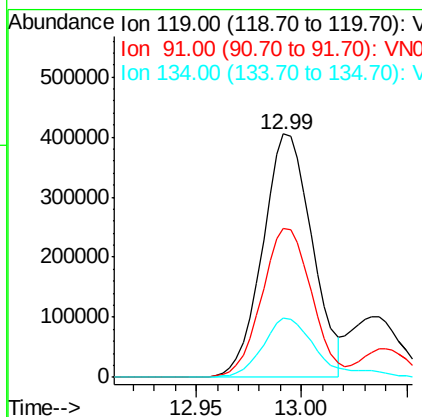
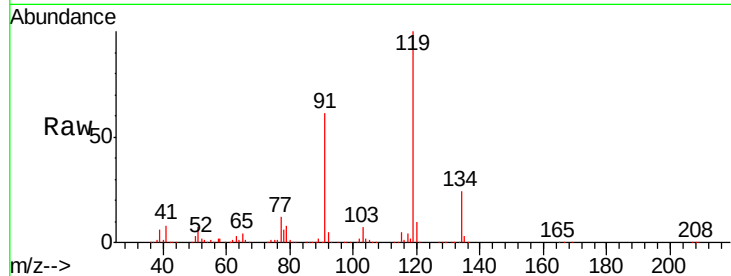
#83
 tert-Butylbenzene
 Concen: 20.09 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051916.D
 Acq: 18 Oct 2018 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBS02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.3	90.9
134	26.9	13.4	40.1

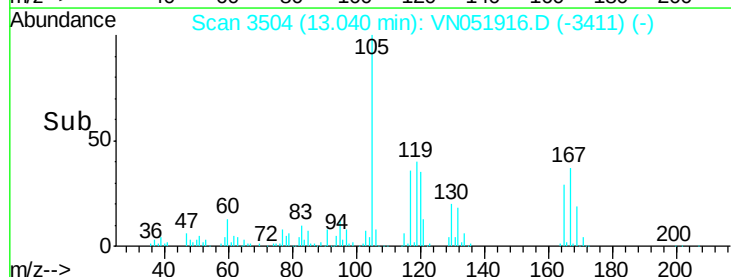
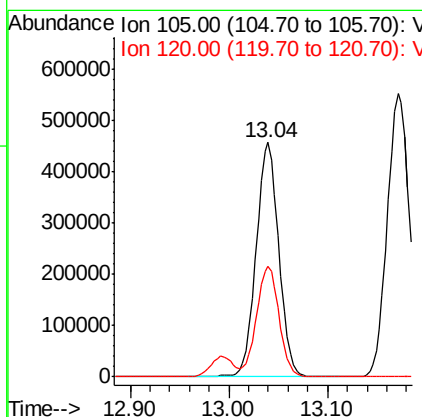
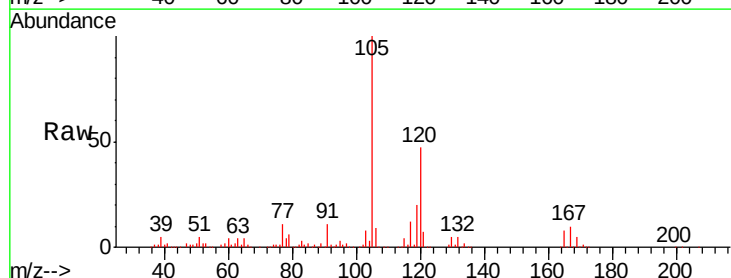
Manual Integrations
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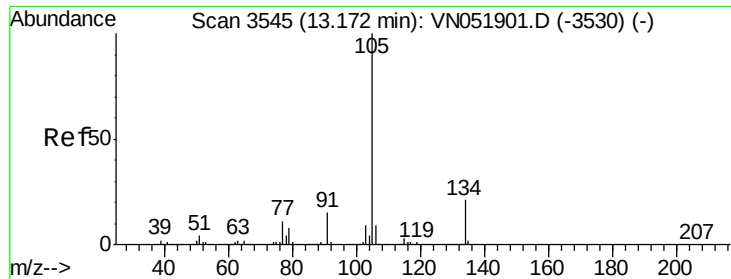
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.86 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051916.D
 Acq: 18 Oct 2018 15:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.8	71.4





#85

sec-Butylbenzene

Concen: 20.56 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBS02

Tgt Ion:105 Resp: 860938

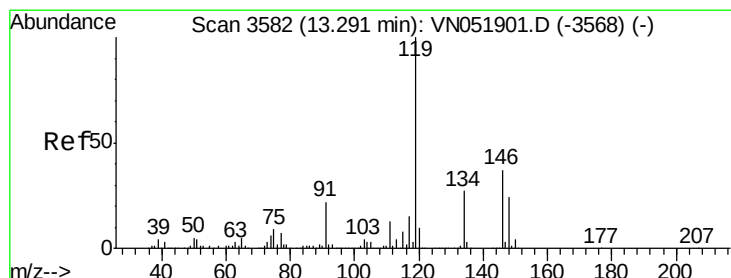
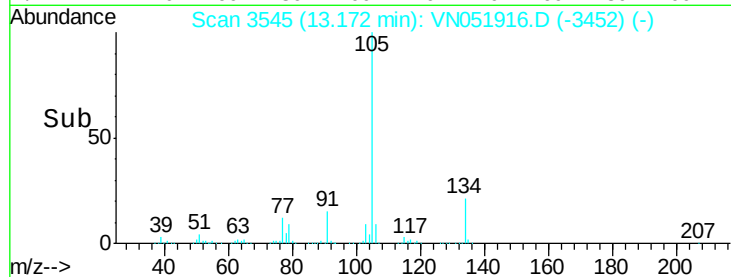
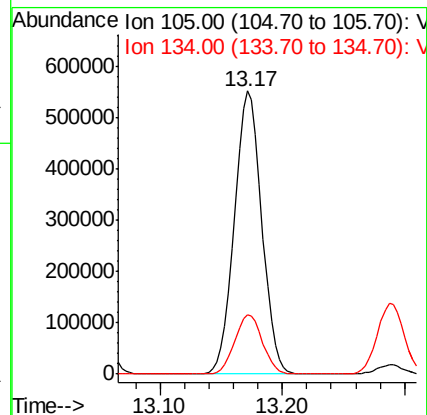
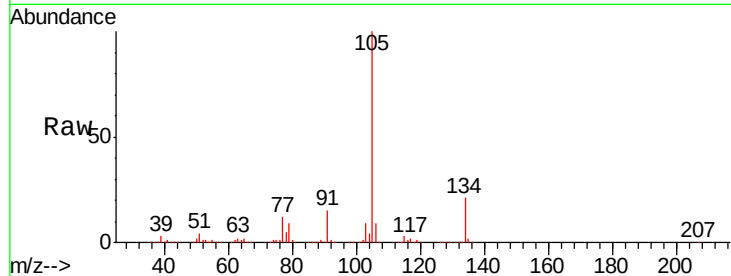
Ion Ratio Lower Upper

105 100

134 21.2 10.8 32.3

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#86

p-Isopropyltoluene

Concen: 20.87 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

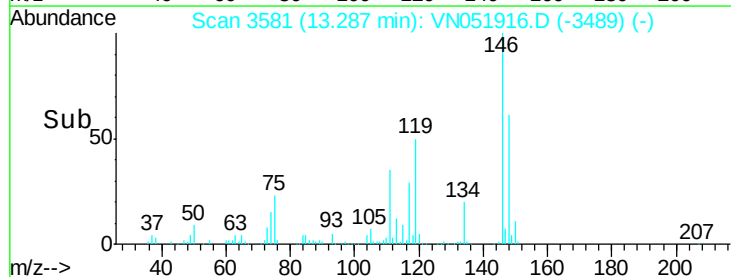
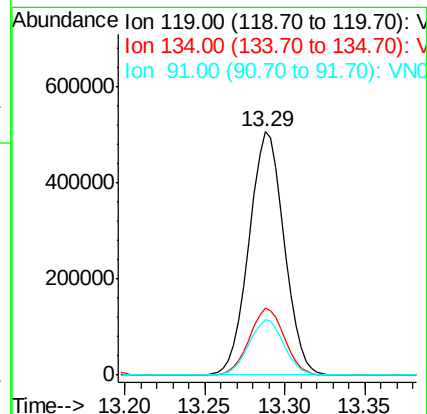
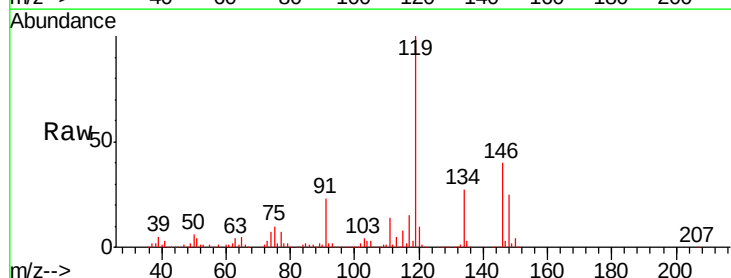
Tgt Ion:119 Resp: 757663

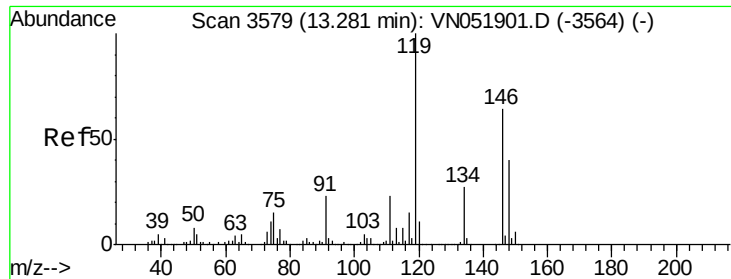
Ion Ratio Lower Upper

119 100

134 27.5 13.8 41.3

91 22.5 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 19.76 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA_N

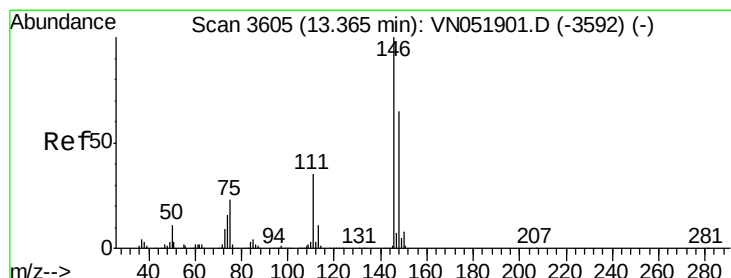
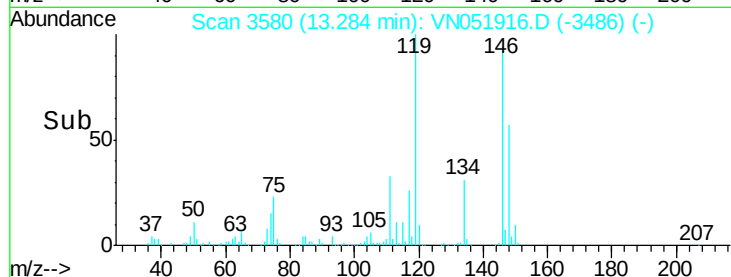
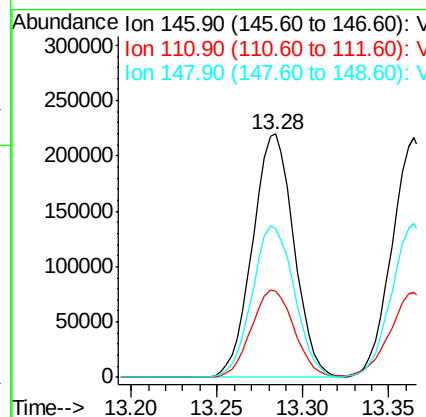
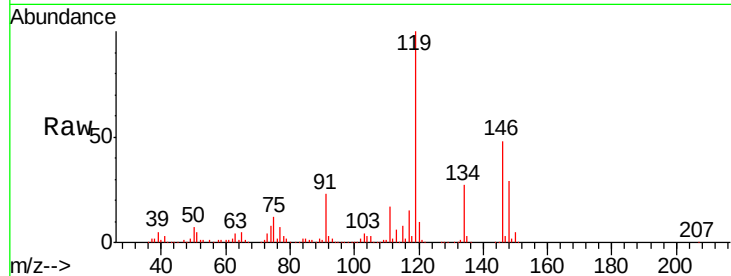
ClientSampleId :

VN1018WBS02

Tgt Ion:	146	Resp:	367506
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.3	54.8
148	63.6	31.9	95.7

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#88

1,4-Dichlorobenzene

Concen: 19.53 ug/l

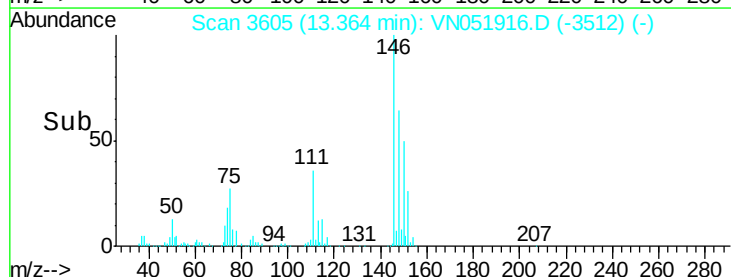
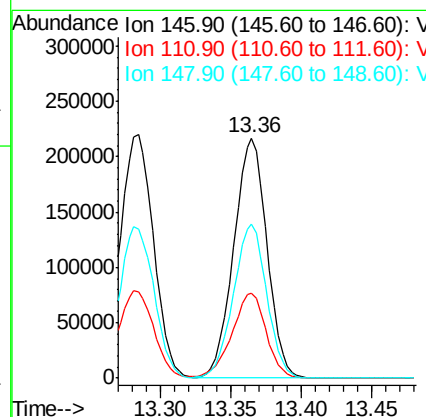
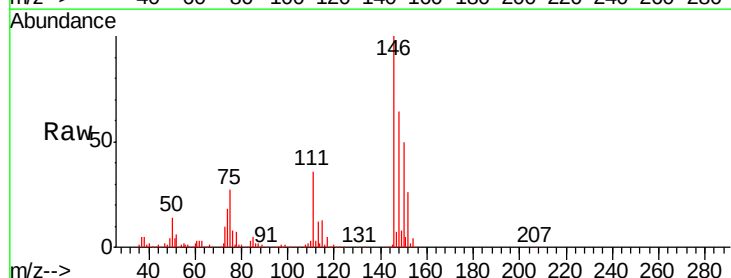
RT: 13.36 min Scan# 3605

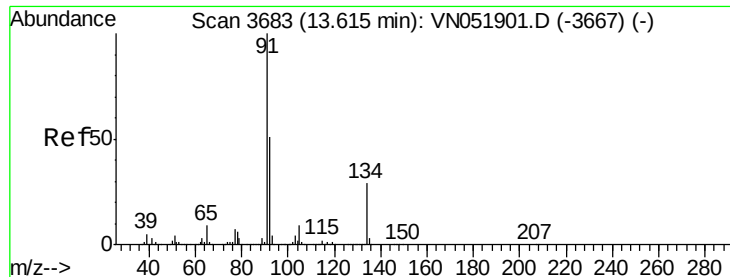
Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Tgt Ion:	146	Resp:	357007
Ion Ratio	Lower	Upper	
146	100		
111	36.7	17.9	53.7
148	64.4	32.8	98.3





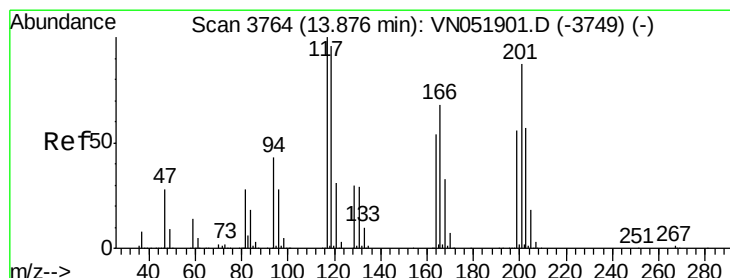
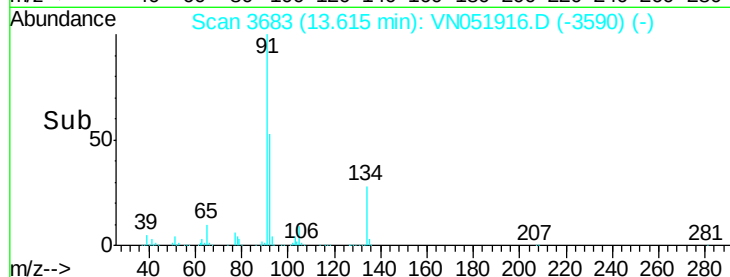
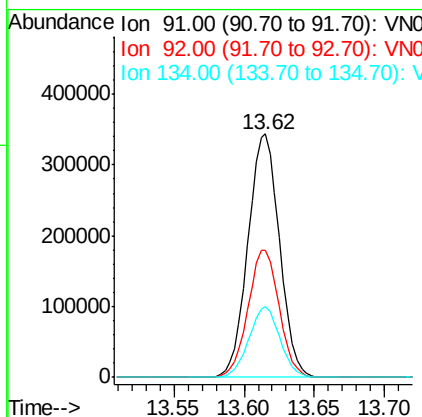
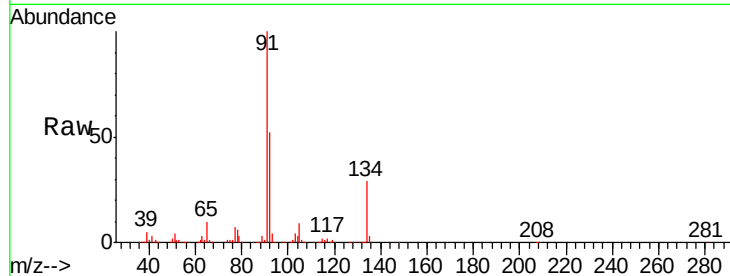
#89
n-Butylbenzene
Concen: 20.44 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.9	77.7
134	28.4	14.6	43.8

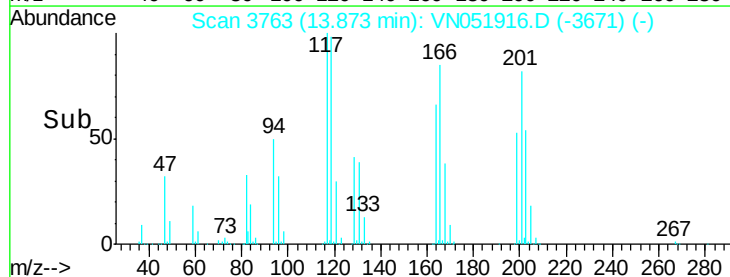
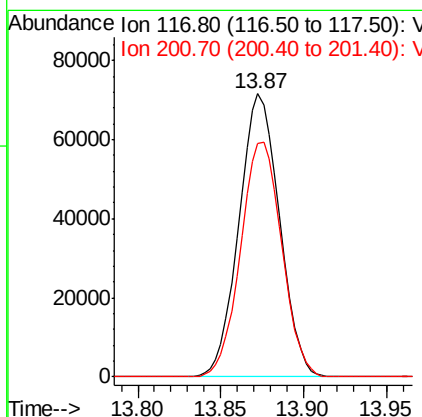
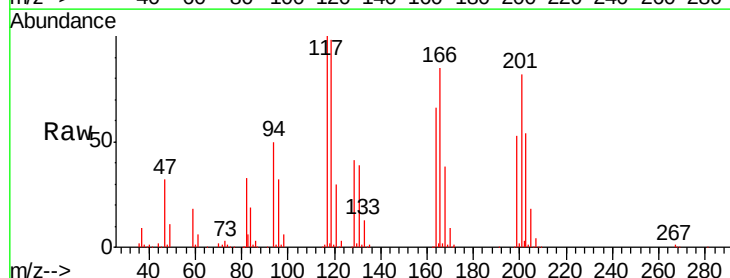
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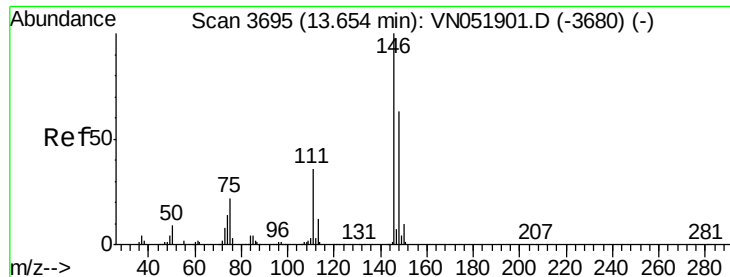
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#90
Hexachloroethane
Concen: 20.05 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	43.8	131.3





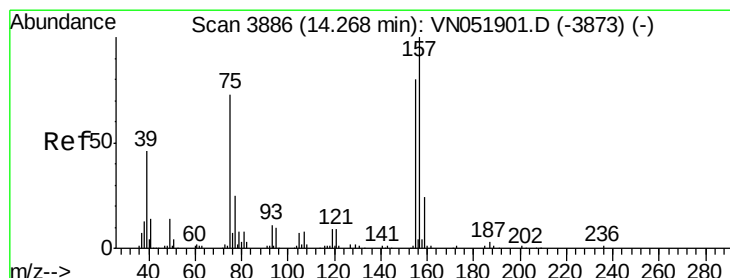
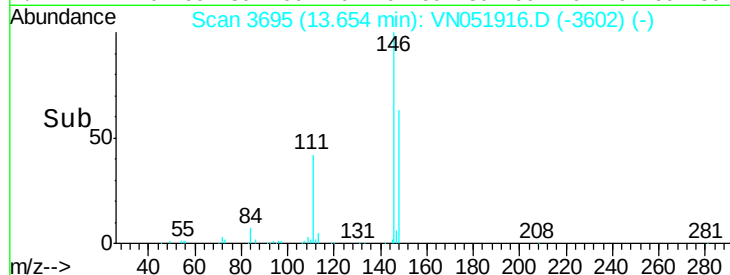
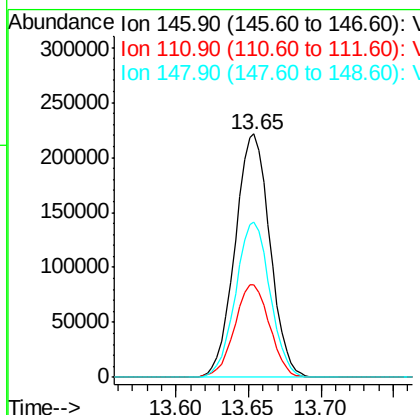
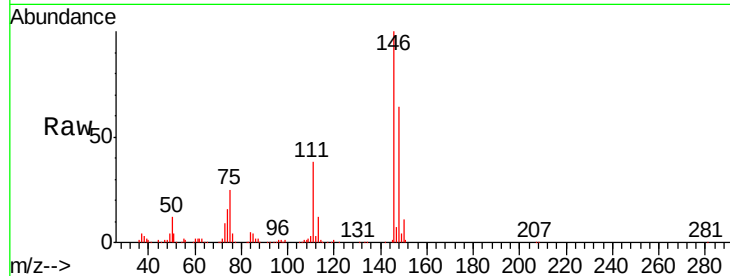
#91
 1,2-Dichlorobenzene
 Concen: 20.54 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051916.D
 Acq: 18 Oct 2018 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	55.6
148	63.0	32.0	96.2

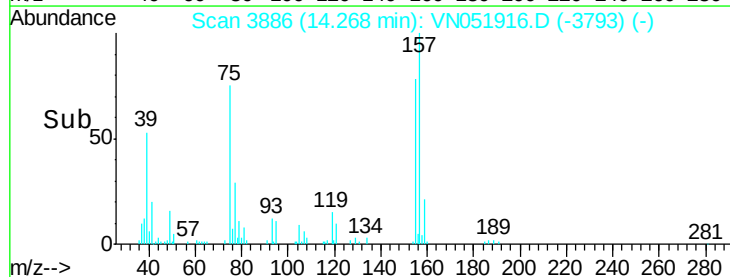
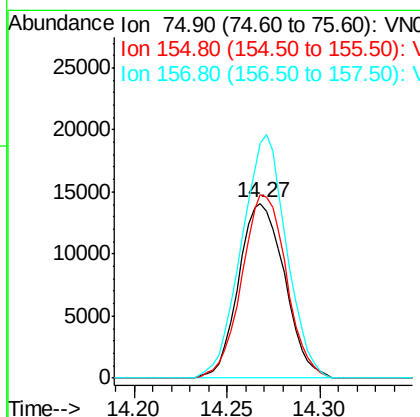
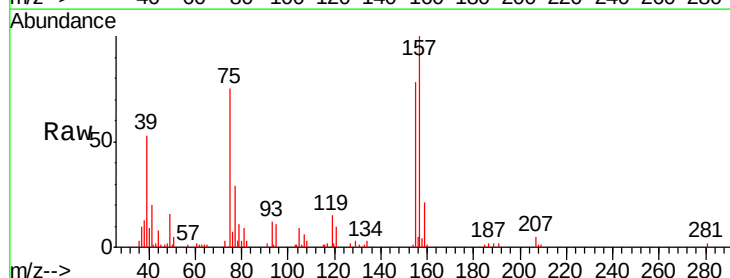
Manual Integrations
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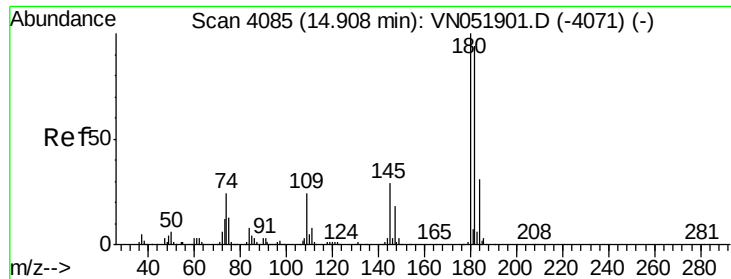
MMDadoda
 10/19/2018 4:37:56 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.73 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051916.D
 Acq: 18 Oct 2018 15:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.0	53.4	160.2
157	135.9	69.3	207.9





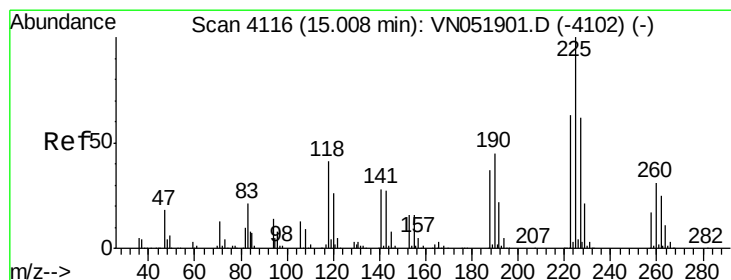
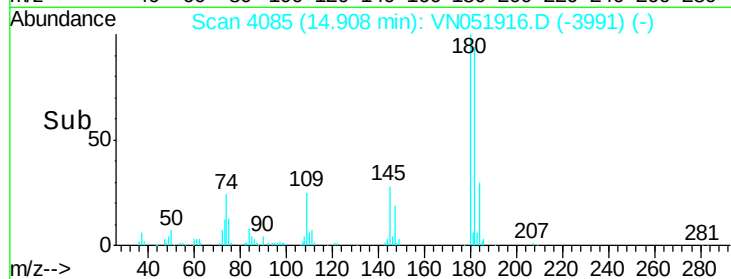
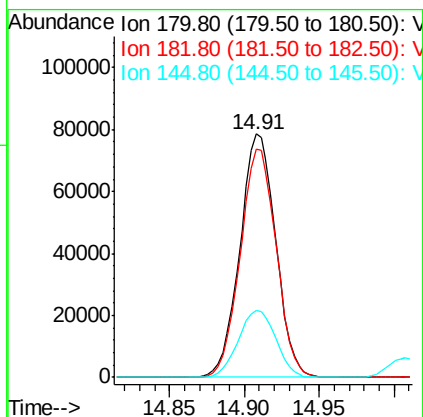
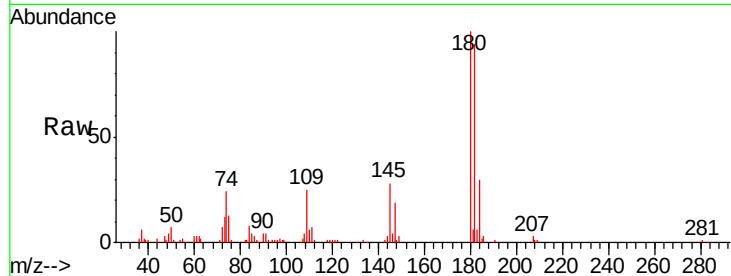
#93
 1,2,4-Trichlorobenzene
 Concen: 17.29 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051916.D
 Acq: 18 Oct 2018 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBS02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.3	141.9
145	28.8	14.5	43.5

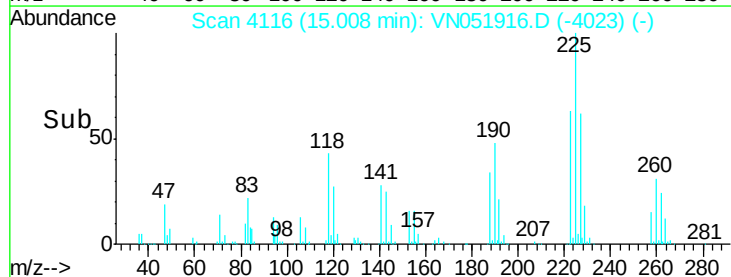
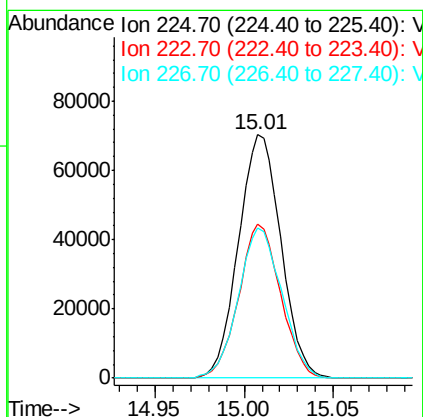
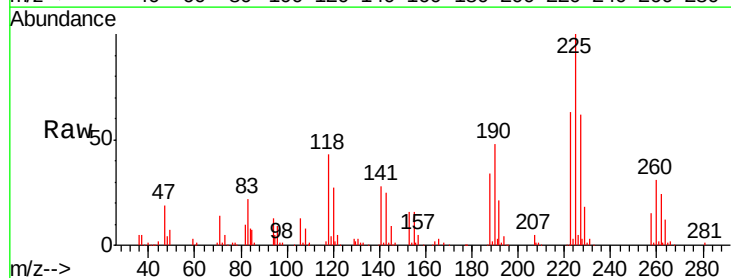
Manual Integrations
 APPROVED

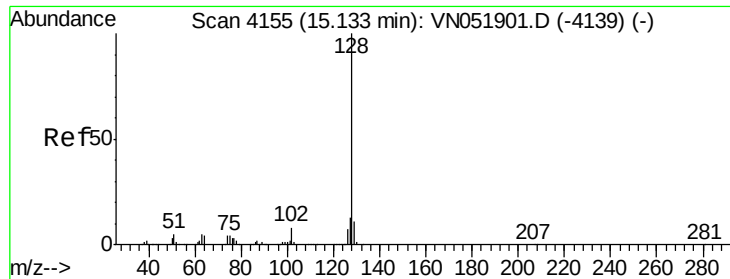
MMDadoda
 10/19/2018 4:37:56 PM



#94
 Hexachlorobutadiene
 Concen: 20.50 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051916.D
 Acq: 18 Oct 2018 15:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.0	96.2
227	63.0	31.9	95.9





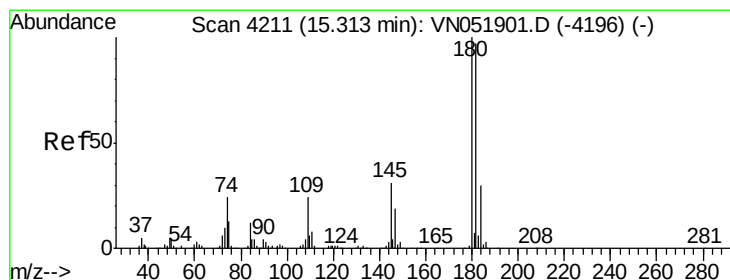
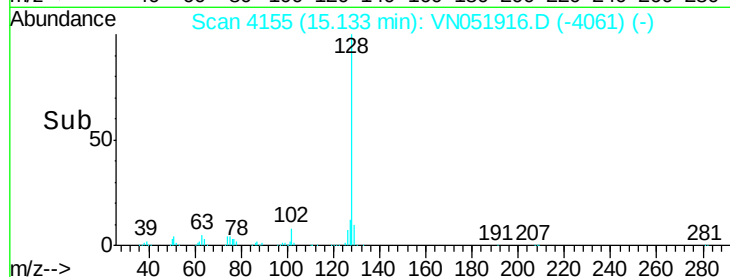
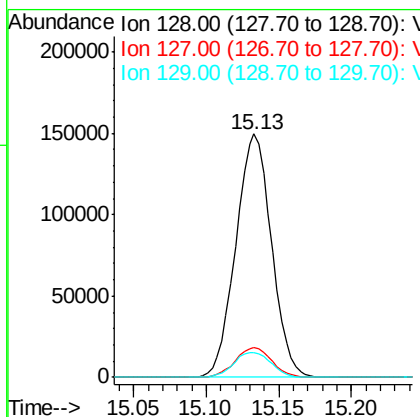
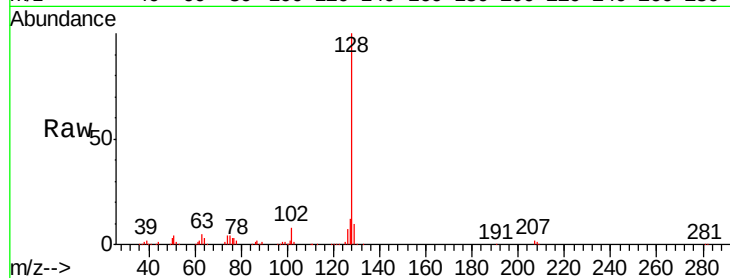
#95
Naphthalene
Concen: 16.88 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	255875		
127	12.6	10.2	15.2	
129	10.7	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
10/19/2018 4:37:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.14 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051916.D
Acq: 18 Oct 2018 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	141228		
182	95.8	47.9	143.8	
145	30.5	15.2	45.6	

