

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051585.D
 Acq On : 27 Sep 2018 16:26
 Operator : MD\SY
 Sample : VN0927WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS03

Manual Integrations
 APPROVED

MMDadoda
 9/28/2018 5:08:28 PM

Quant Time: Sep 27 17:48:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	519416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	744083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	659366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	331514	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	320061	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
35) Dibromofluoromethane	7.59	113	288161	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	10.09	98	1020896	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	
62) 4-Bromofluorobenzene	12.40	95	333576	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	114524	23.633	ug/l	97
3) Chloromethane	2.06	50	167145	21.667	ug/l	99
4) Vinyl Chloride	2.18	62	181447	21.311	ug/l	100
5) Bromomethane	2.56	94	87852	17.257	ug/l	99
6) Chloroethane	2.70	64	91631	17.272	ug/l	96
7) Trichlorofluoromethane	3.01	101	220982	19.815	ug/l	99
8) Diethyl Ether	3.41	74	71863	18.826	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	132345	21.027	ug/l	99
10) Methyl Iodide	3.95	142	150130	18.133	ug/l	98
11) Tert butyl alcohol	4.79	59	41822	113.889	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	112927	19.541	ug/l	92
13) Acrolein	3.61	56	24151	66.231	ug/l	96
14) Allyl chloride	4.33	41	205017	21.144	ug/l	98
15) Acrylonitrile	4.99	53	218414	109.338	ug/l	99
16) Acetone	3.82	43	168518	102.335	ug/l	98
17) Carbon Disulfide	4.05	76	356798	21.015	ug/l	99
18) Methyl Acetate	4.33	43	127775	25.785	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	314049	21.074	ug/l	100
20) Methylene Chloride	4.55	84	136656	21.224	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	124014	20.977	ug/l	99
22) Diisopropyl ether	5.95	45	430071	22.947	ug/l	96
23) Vinyl Acetate	5.90	43	1362865	110.760	ug/l	99
24) 1,1-Dichloroethane	5.85	63	249053	22.271	ug/l	100
25) 2-Butanone	6.84	43	258704	116.164	ug/l	93
26) 2,2-Dichloropropane	6.83	77	199928	22.903	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	139723	21.539	ug/l	97
28) Bromochloromethane	7.20	49	91920	17.800	ug/l	96
29) Tetrahydrofuran	7.21	42	169990	120.448	ug/l	96
30) Chloroform	7.37	83	245356	22.143	ug/l	99
31) Cyclohexane	7.66	56	224467	21.909	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	209630	22.130	ug/l	100
36) 1,1-Dichloropropene	7.79	75	182396	21.168	ug/l	99
37) Ethyl Acetate	6.93	43	117834	23.784	ug/l	98
38) Carbon Tetrachloride	7.77	117	184872	20.513	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	208788	20.728	ug/l	96
40) Benzene	8.04	78	558601	22.079	ug/l	99
41) Methacrylonitrile	7.18	41	55955m	20.415	ug/l	
42) 1,2-Dichloroethane	8.13	62	176843	21.829	ug/l	100
43) Isopropyl Acetate	8.17	43	217778	24.309	ug/l	94
44) Trichloroethene	8.84	130	139678	20.785	ug/l	94
45) 1,2-Dichloropropane	9.12	63	152348	22.152	ug/l	98
46) Dibromomethane	9.21	93	84431	21.728	ug/l	98
47) Bromodichloromethane	9.40	83	184447	21.449	ug/l	99
48) Methyl methacrylate	9.20	41	99983	22.385	ug/l	99
49) 1,4-Dioxane	9.20	88	24114	440.528	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	559997	113.661	ug/l	99
52) Toluene	10.16	92	331769	21.101	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	181058	20.855	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	209354	20.794	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	121195	21.810	ug/l	98
56) Ethyl methacrylate	10.43	69	140382	20.663	ug/l	96
57) 1,3-Dichloropropane	10.71	76	204330	21.453	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	312247	98.375	ug/l	98
59) 2-Hexanone	10.75	43	361932	113.319	ug/l	96
60) Dibromochloromethane	10.90	129	133353	20.340	ug/l	99
61) 1,2-Dibromoethane	11.01	107	115112	21.339	ug/l	99
64) Tetrachloroethene	10.63	164	134376	22.456	ug/l	97
65) Chlorobenzene	11.43	112	356898	21.097	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	134096	20.805	ug/l	99
67) Ethyl Benzene	11.51	91	587057	20.591	ug/l	100
68) m/p-Xylenes	11.62	106	461475	41.846	ug/l	99
69) o-Xylene	11.95	106	217320	20.499	ug/l	97
70) Styrene	11.96	104	344638	20.515	ug/l	100
71) Bromoform	12.13	173	89157	20.386	ug/l #	97
73) Isopropylbenzene	12.25	105	577362	20.641	ug/l	98
74) N-amyl acetate	12.07	43	153688	21.899	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	149574	22.932	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	132708m	24.114	ug/l	
77) Bromobenzene	12.53	156	147756	20.867	ug/l	96
78) n-propylbenzene	12.59	91	676041	21.445	ug/l	99
79) 2-Chlorotoluene	12.67	91	412838	21.878	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	490282	21.496	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	38472	21.496	ug/l	99
82) 4-Chlorotoluene	12.77	91	407346	21.628	ug/l	98
83) tert-Butylbenzene	12.99	119	420042	20.691	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	493894	21.490	ug/l	99
85) sec-Butylbenzene	13.17	105	586186	21.344	ug/l	99
86) p-Isopropyltoluene	13.29	119	503372	21.182	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	256001	20.892	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	243449	20.648	ug/l	99
89) n-Butylbenzene	13.62	91	397311	20.332	ug/l	98
90) Hexachloroethane	13.87	117	100215	21.165	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	251061	21.117	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21391	22.980	ug/l	89

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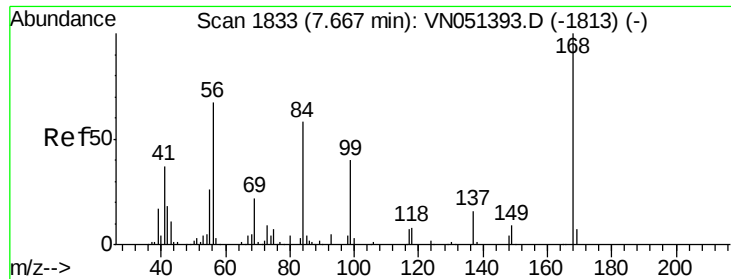
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	104258	20.301	ug/l	98
94) Hexachlorobutadiene	15.01	225	95467	21.223	ug/l	97
95) Naphthalene	15.13	128	180341	20.321	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	108756	19.061	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS03

Tot Ion:168 Resp: 519416

Ion Ratio Lower Upper

168 100

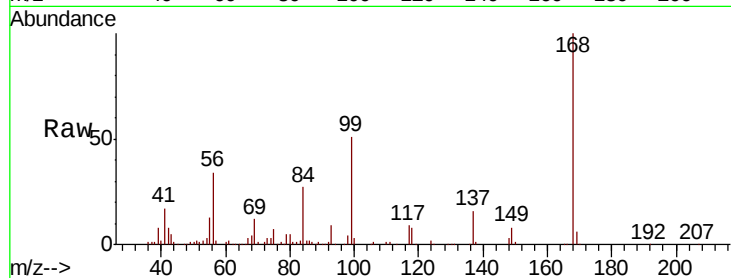
99 50.6 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

250000

200000

150000

100000

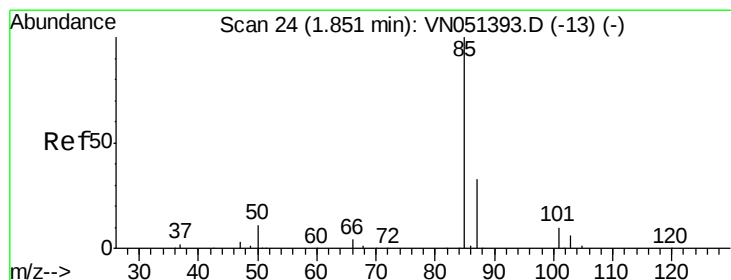
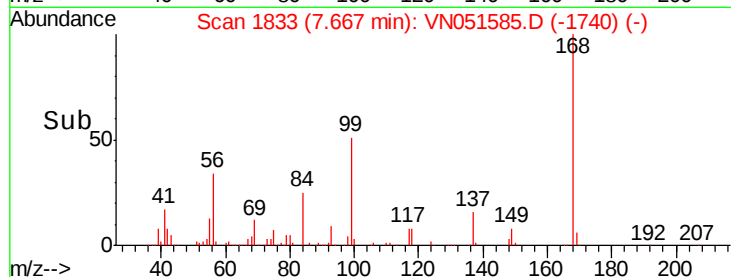
50000

0

7.67

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 23.633 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051585.D

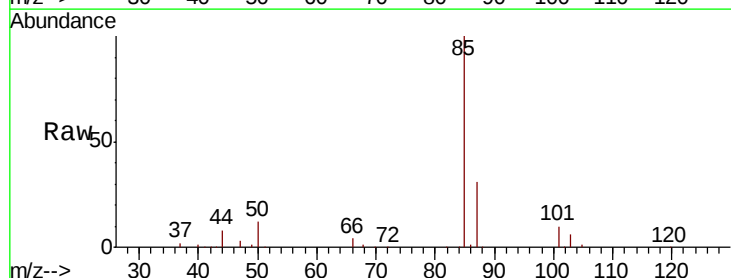
Acq: 27 Sep 2018 16:26

Tgt Ion: 85 Resp: 114524

Ion Ratio Lower Upper

85 100

87 30.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

100000

80000

60000

40000

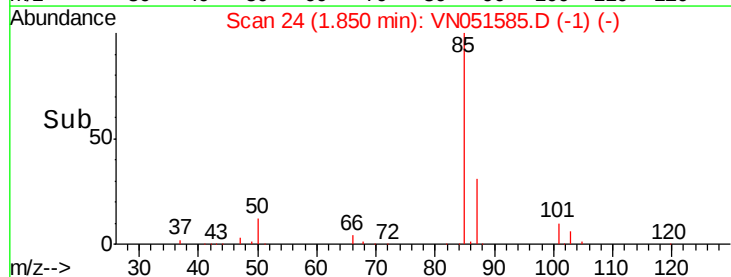
20000

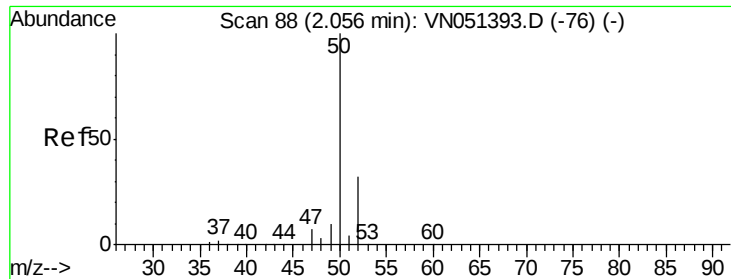
0

1.85

1.80 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.667 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS03

Tot Ion: 50 Resp: 167145

Ion Ratio Lower Upper

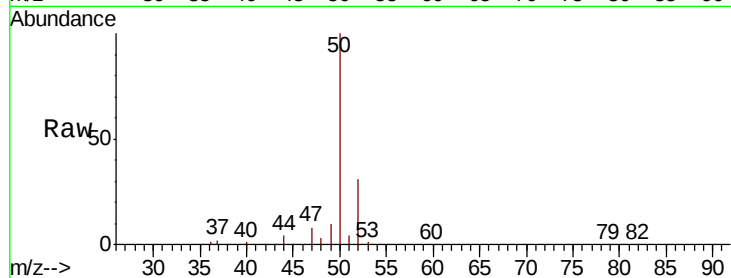
50 100

52 31.4 25.7 38.5

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

150000

100000

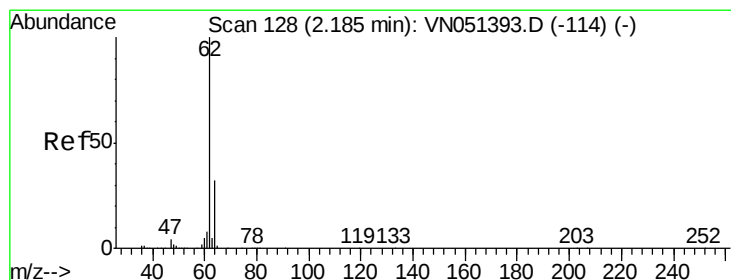
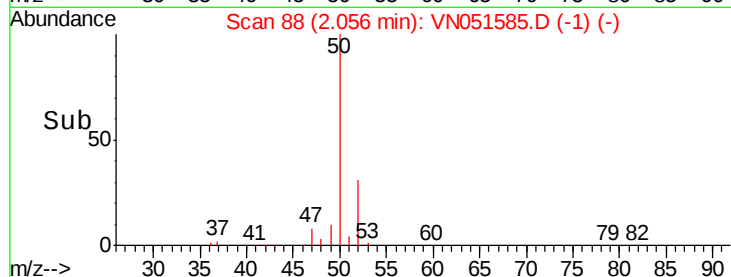
50000

0

2.06

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 21.311 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051585.D

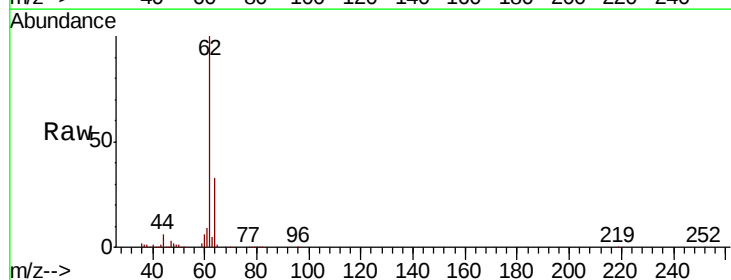
Acq: 27 Sep 2018 16:26

Tgt Ion: 62 Resp: 181447

Ion Ratio Lower Upper

62 100

64 32.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

100000

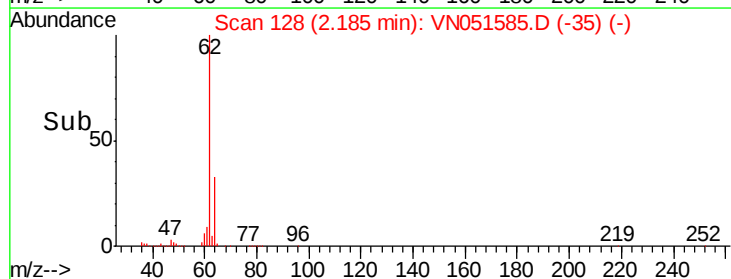
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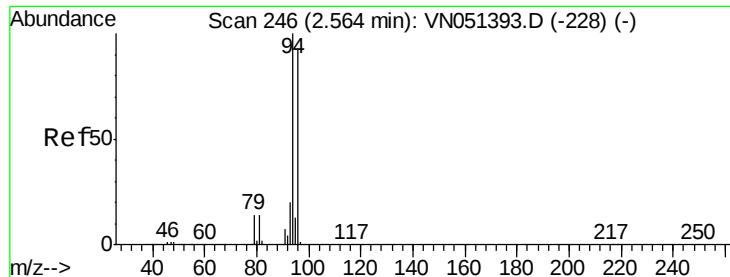
0

2.18

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 17.257 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS03

Tot Ion: 94 Resp: 87852

Ion Ratio Lower Upper

94 100

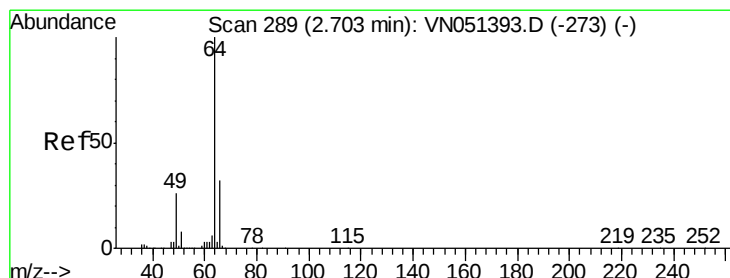
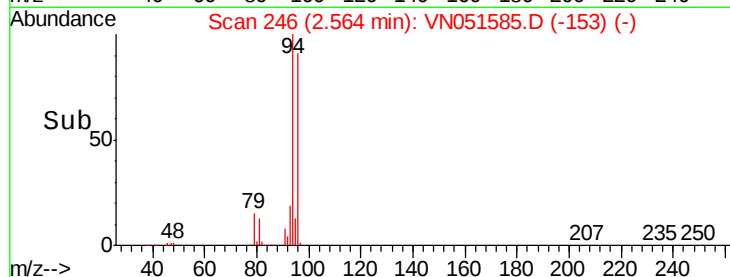
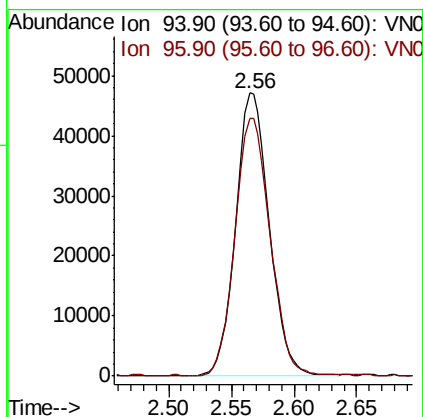
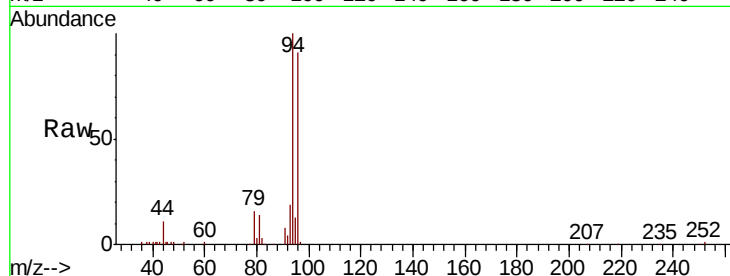
96 90.9 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 17.272 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051585.D

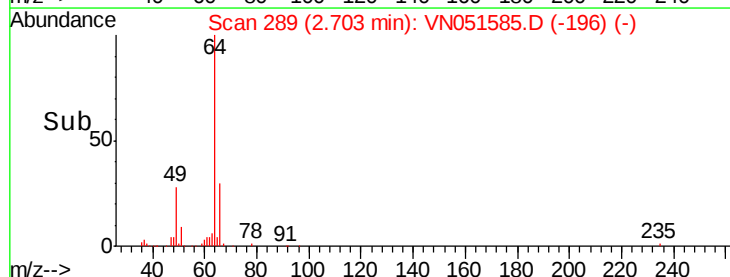
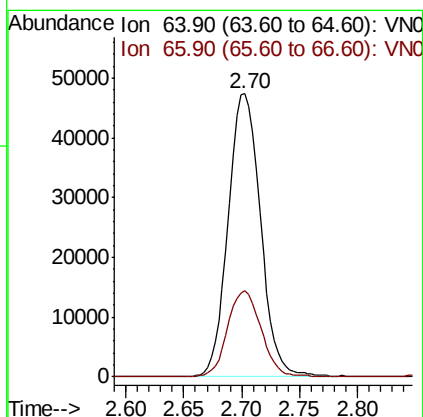
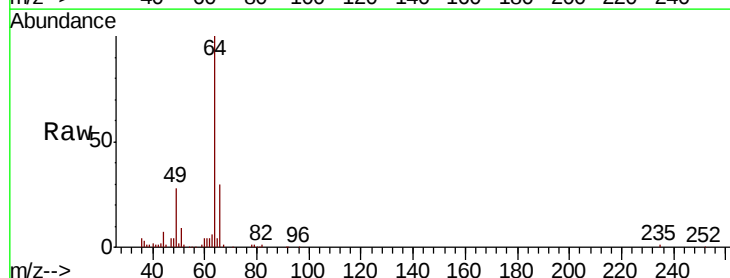
Acq: 27 Sep 2018 16:26

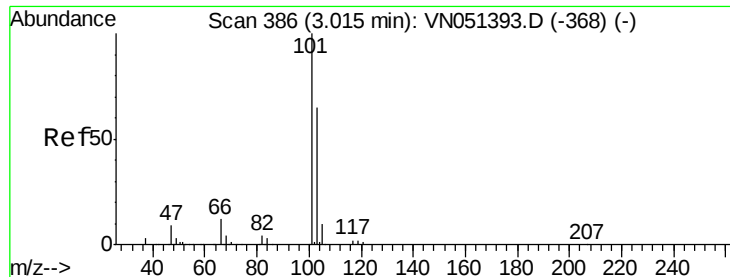
Tgt Ion: 64 Resp: 91631

Ion Ratio Lower Upper

64 100

66 30.4 25.9 38.9





#7

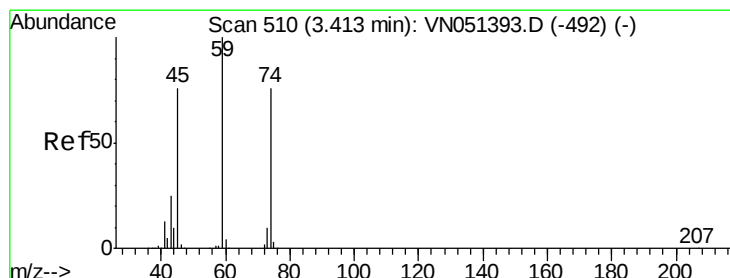
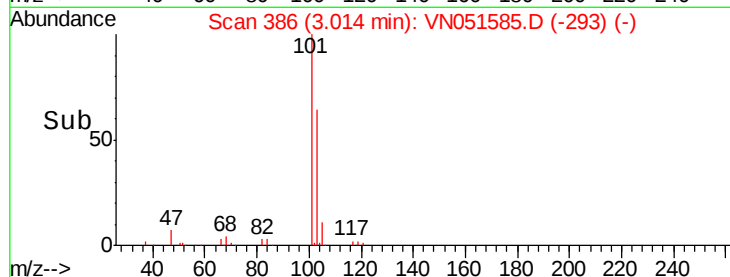
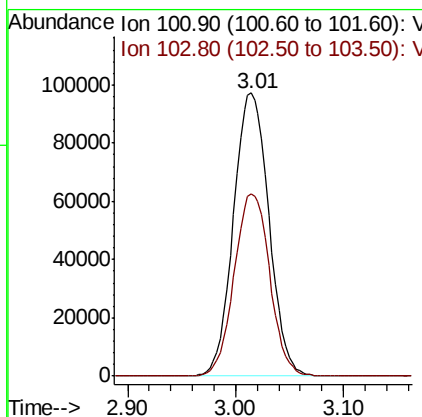
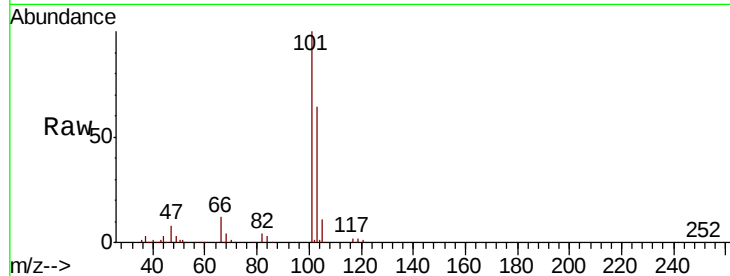
Trichlorofluoromethane
 Concen: 19.815 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

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 ClientSampleId :
 VN0927WBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.8	77.8

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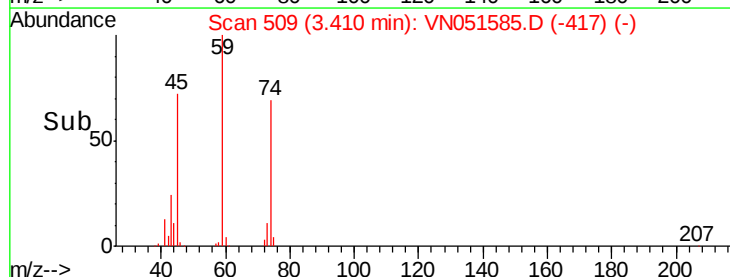
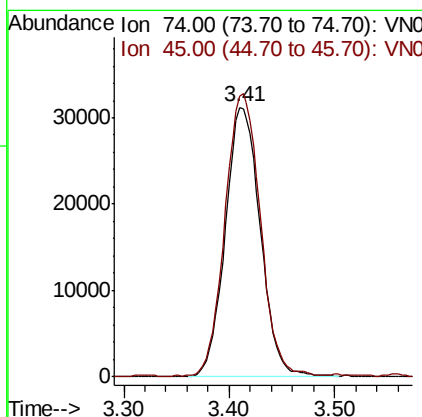
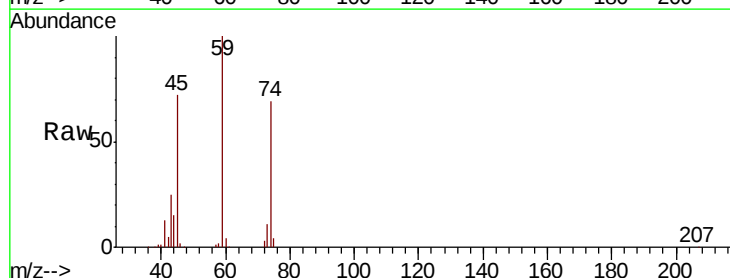
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 9/28/2018 5:08:28 PM

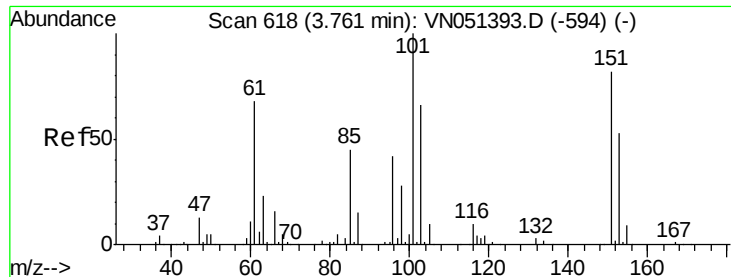


#8

Diethyl Ether
 Concen: 18.826 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.5	50.2	150.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.027 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

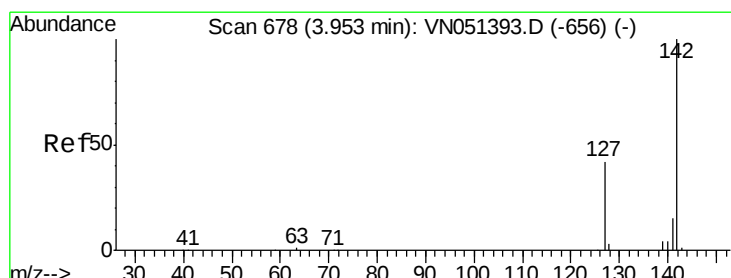
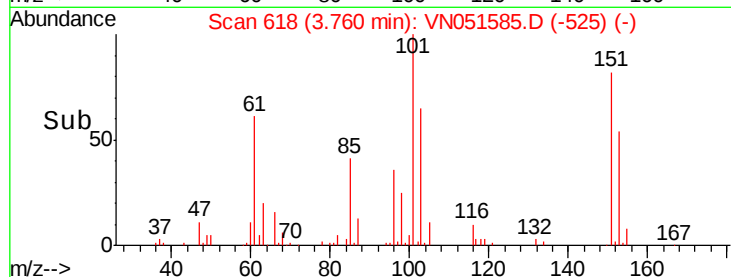
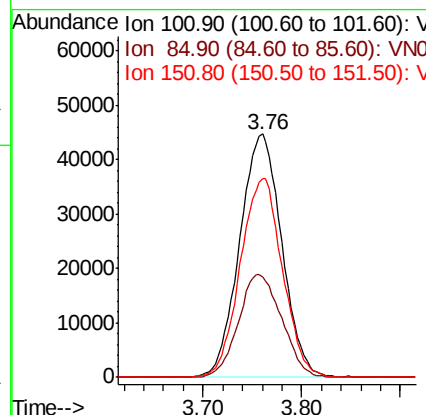
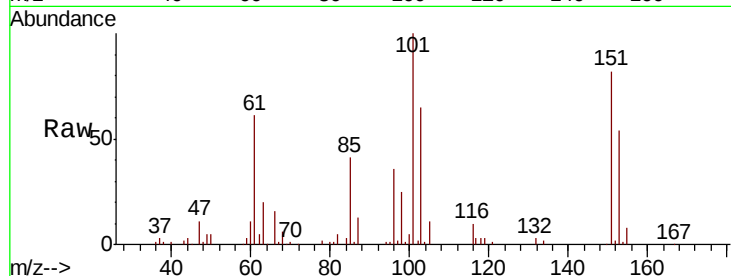
ClientSampleId :

VN0927WBS03

Tot Ion:	101	Resp:	132345
Ion Ratio	Lower	Upper	
101	100		
85	43.4	33.9	50.9
151	81.6	65.2	97.8

Manual Integrations
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#10

Methyl Iodide

Concen: 18.133 ug/l

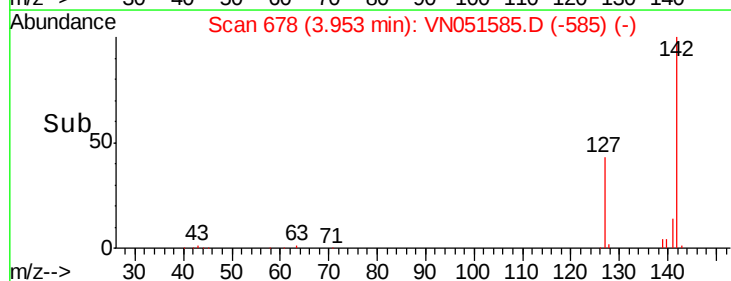
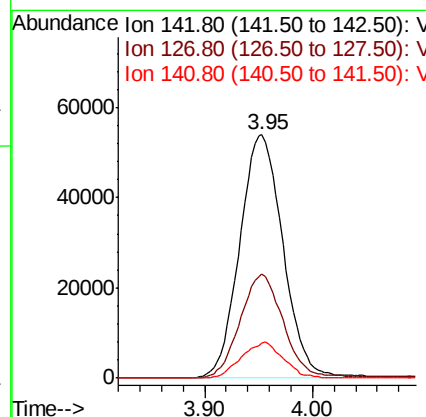
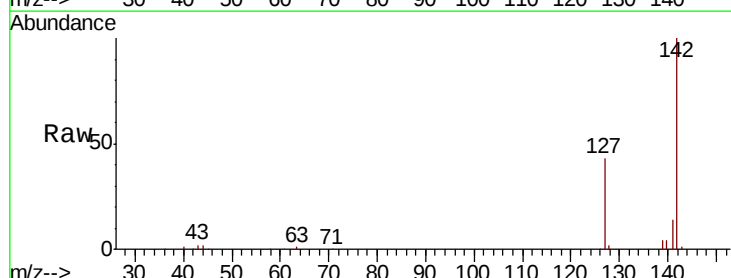
RT: 3.95 min Scan# 678

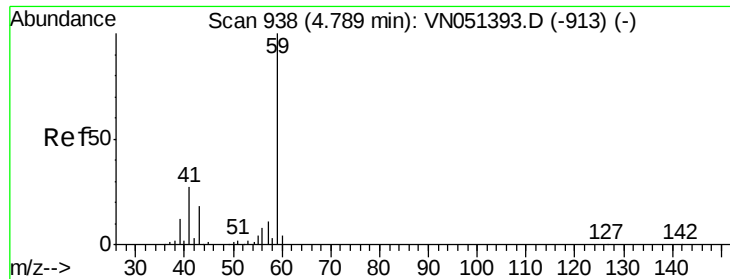
Delta R.T. 0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Tgt Ion:	142	Resp:	150130
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.2	49.8
141	14.3	11.5	17.3





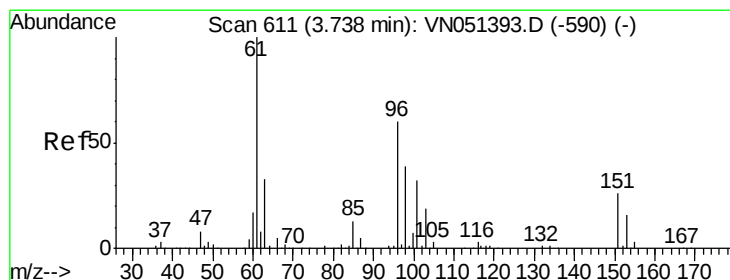
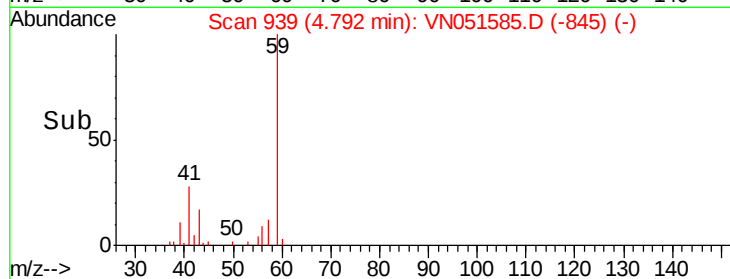
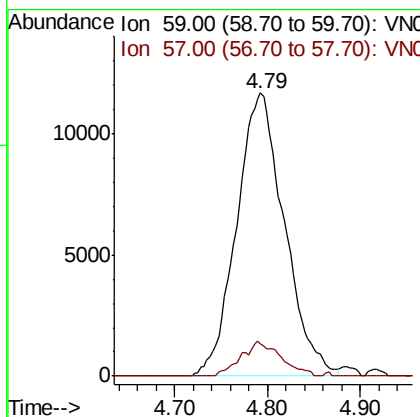
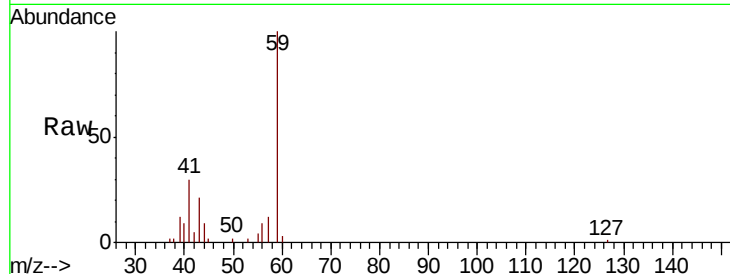
#11
Tert butyl alcohol
Concen: 113.889 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Instrument :
MSVOA_N
ClientSampled :
VN0927WBS03

Tot Ion: 59 Resp: 41822
Ion Ratio Lower Upper
59 100
57 10.2 6.2 9.2#

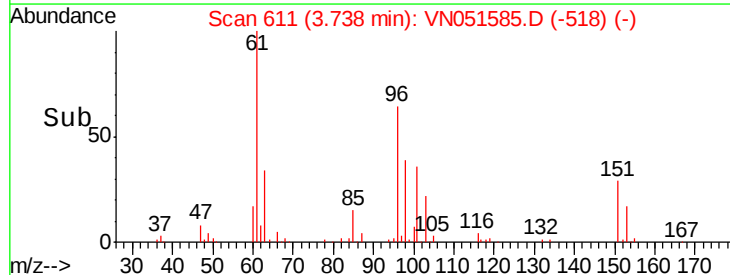
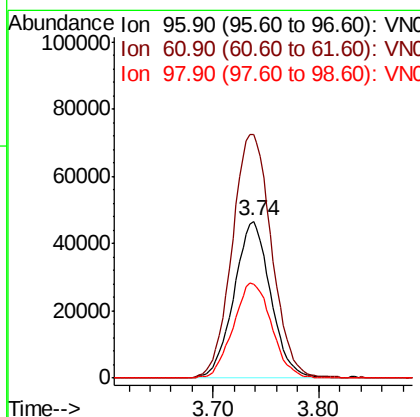
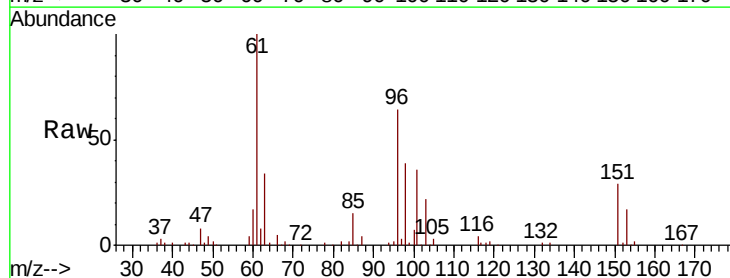
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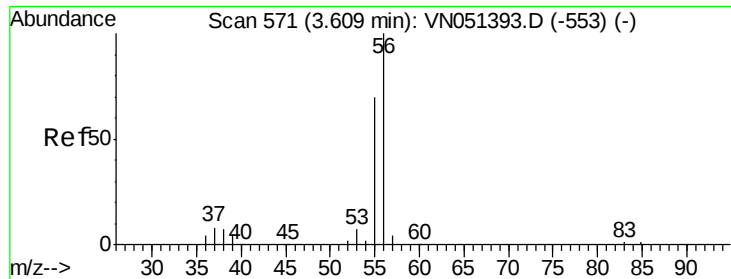
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#12
1,1-Dichloroethene
Concen: 19.541 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Tgt Ion: 96 Resp: 112927
Ion Ratio Lower Upper
96 100
61 155.4 133.6 200.4
98 60.1 52.2 78.2





#13

Acrolein

Concen: 66.231 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS03

Tot Ion: 56 Resp: 24151

Ion Ratio Lower Upper

56 100

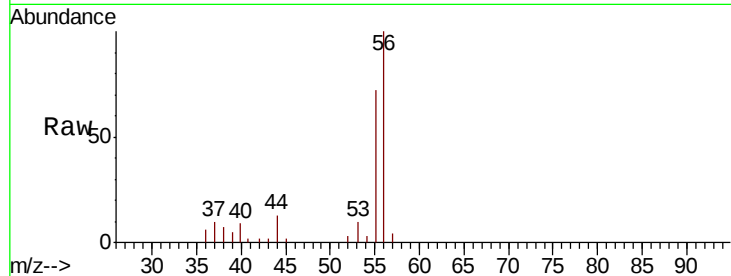
55 69.0 57.8 86.8

Manual Integrations

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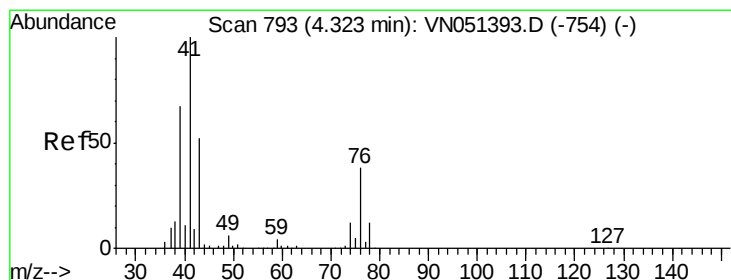
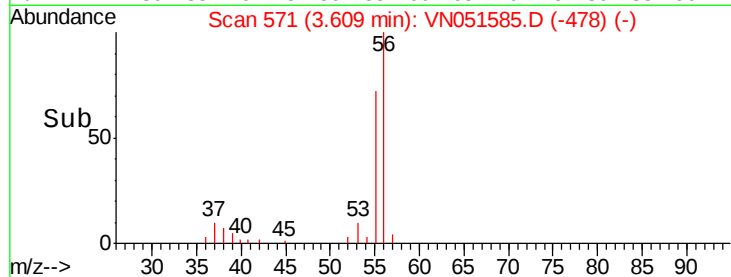
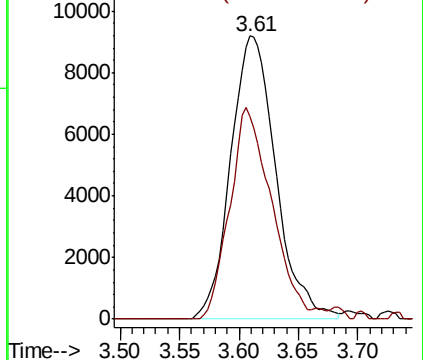
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.144 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

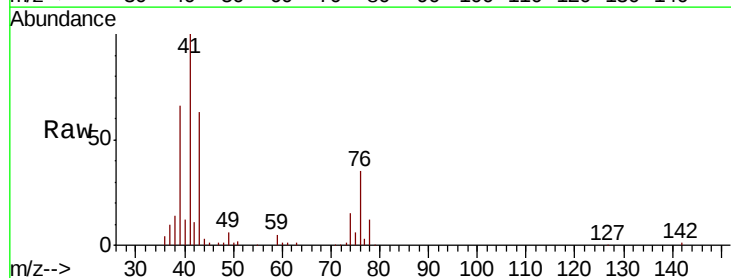
Tgt Ion: 41 Resp: 205017

Ion Ratio Lower Upper

41 100

39 63.3 51.4 77.2

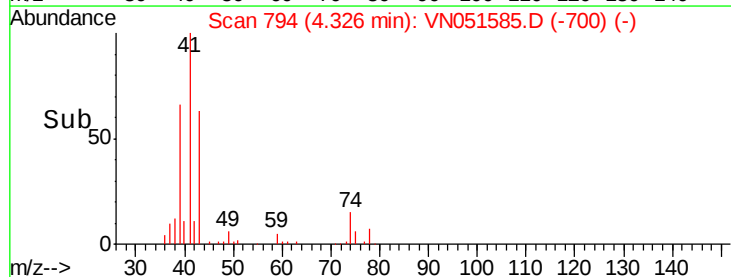
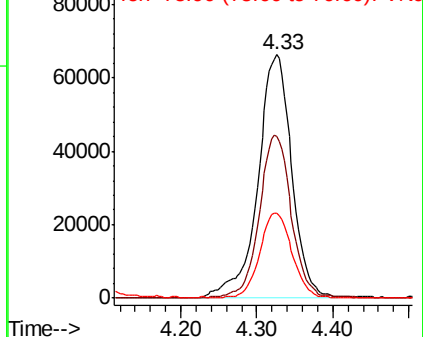
76 33.3 28.1 42.1

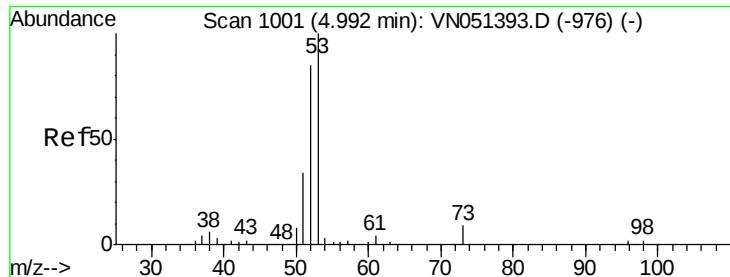


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 109.338 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

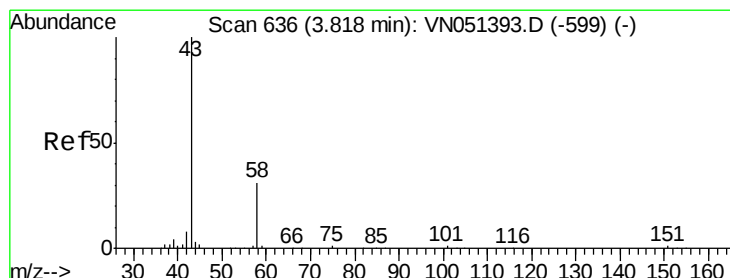
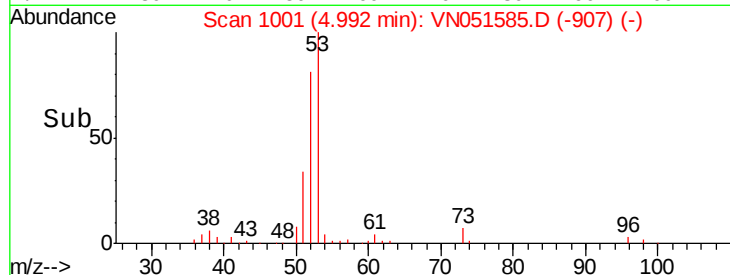
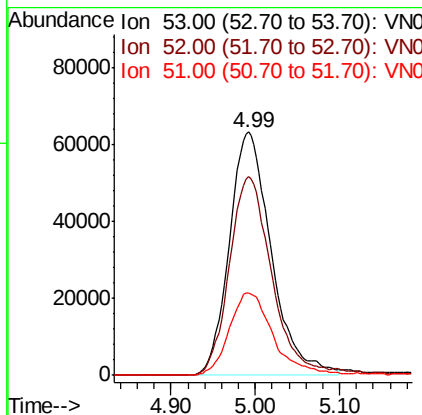
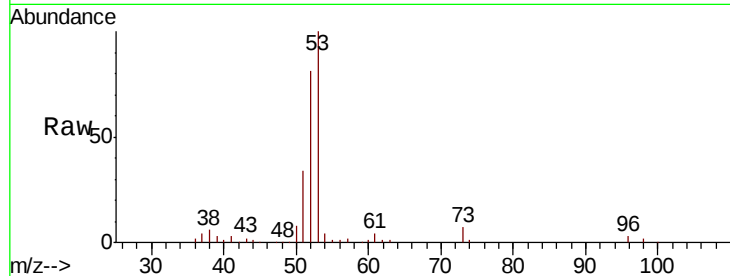
ClientSampleId :

VN0927WBS03

Tot Ion:	53	Resp:	218414
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.2
51	35.7	28.6	42.8

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#16

Acetone

Concen: 102.335 ug/l

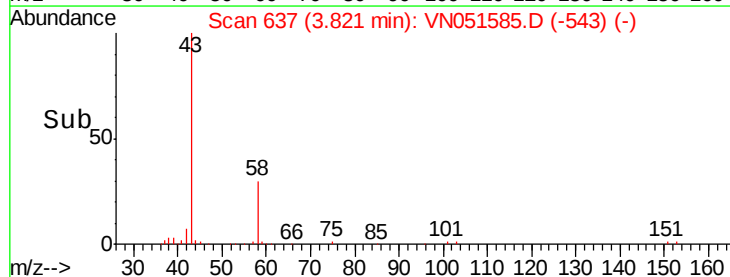
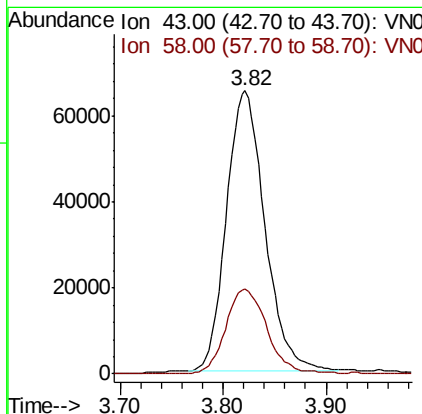
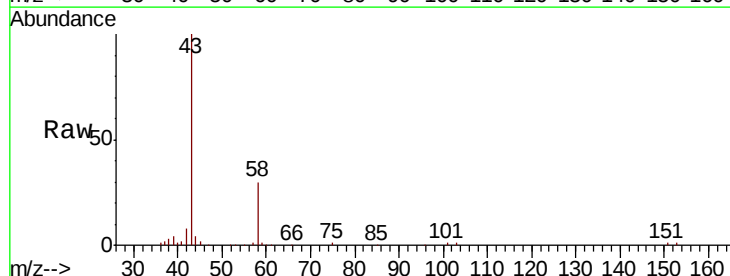
RT: 3.82 min Scan# 637

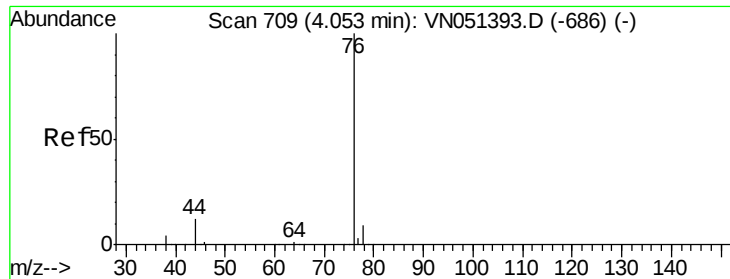
Delta R.T. 0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Tgt Ion:	43	Resp:	168518
Ion	Ratio	Lower	Upper
43	100		
58	29.9	25.0	37.4





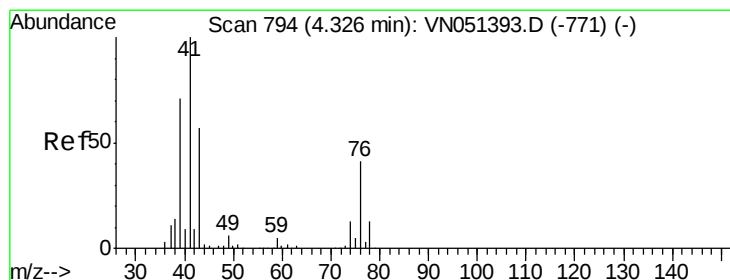
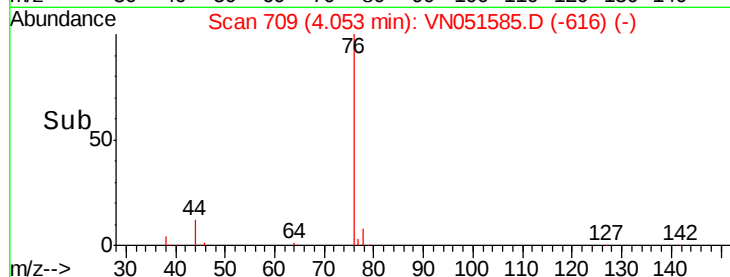
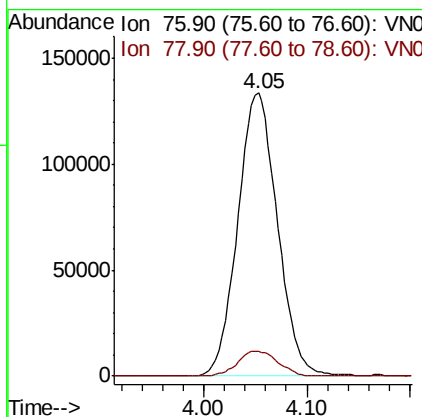
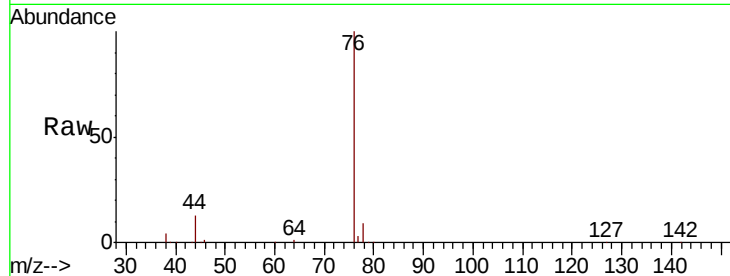
#17
Carbon Disulfide
Concen: 21.015 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

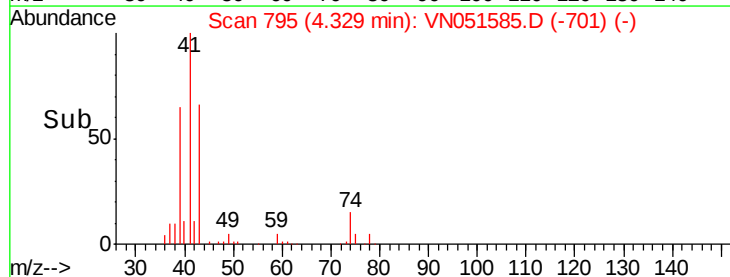
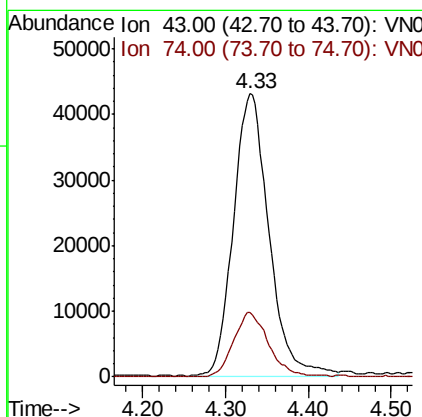
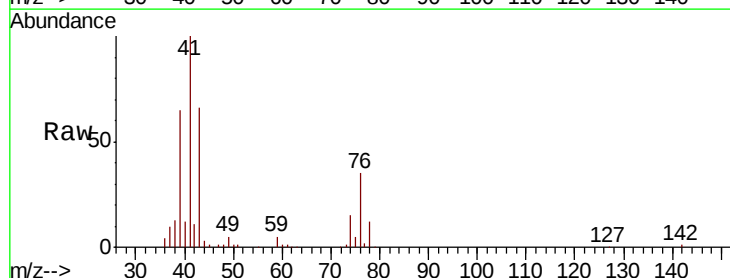
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#18
Methyl Acetate
Concen: 25.785 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.8	28.2





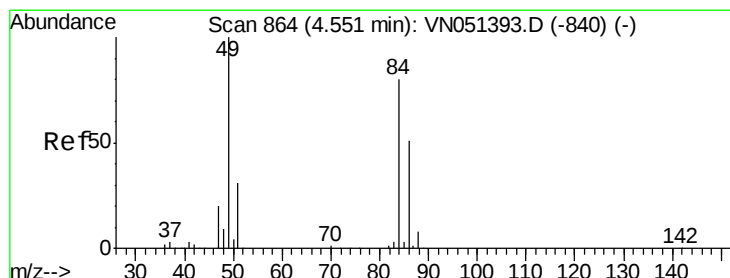
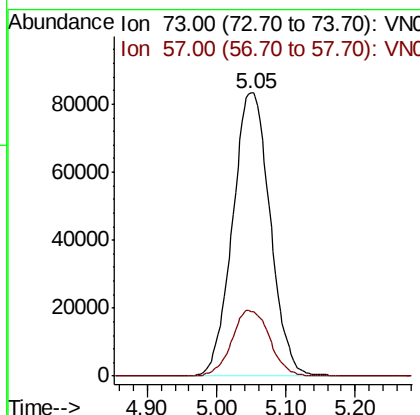
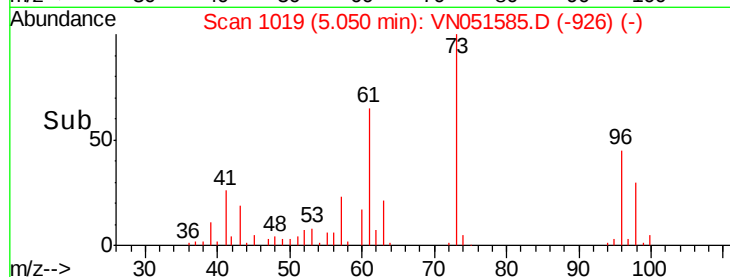
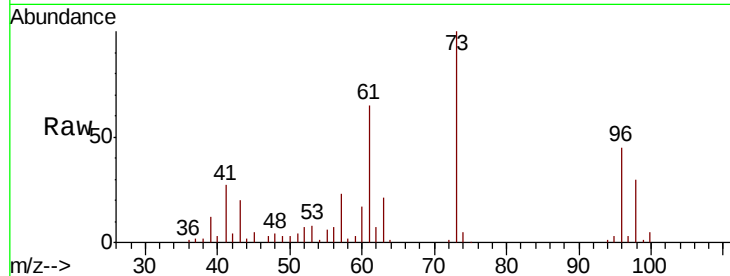
#19
Methvl tert-butvl Ether
Concen: 21.074 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS03

Tot Ion: 73 Resp: 314049
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5

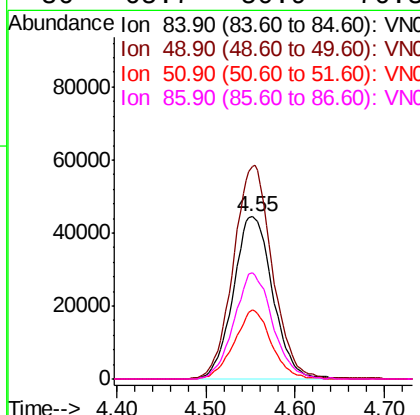
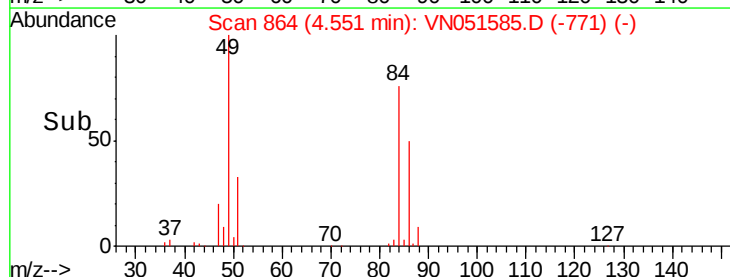
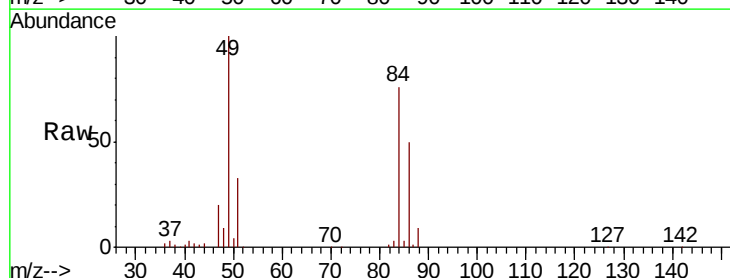
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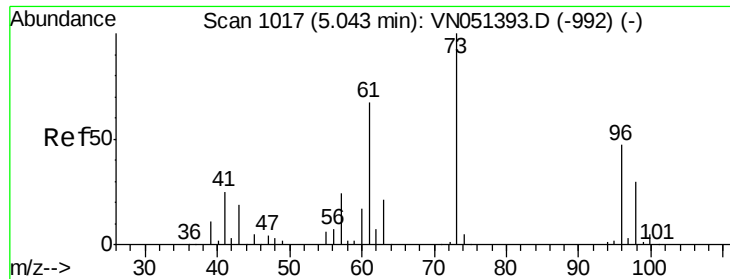
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#20
Methylene Chloride
Concen: 21.224 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Tgt Ion: 84 Resp: 136656
Ion Ratio Lower Upper
84 100
49 130.4 99.9 149.9
51 42.9 31.4 47.2
86 65.7 50.9 76.3





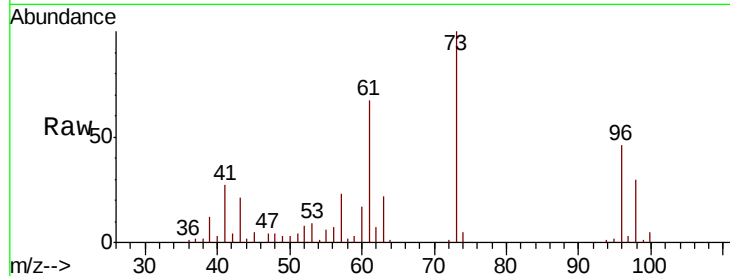
#21
trans-1,2-Dichloroethene
Concen: 20.977 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.0	113.4	170.2
98	64.3	51.1	76.7

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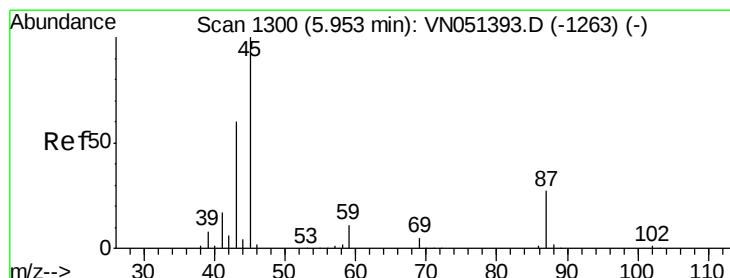
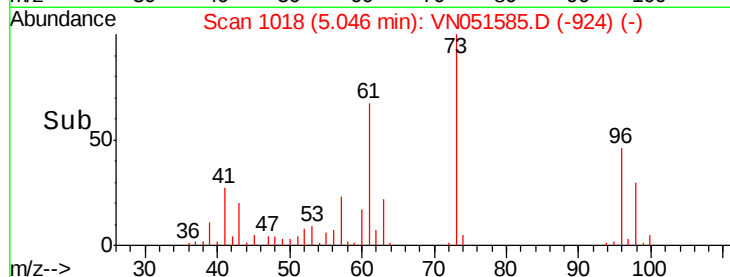
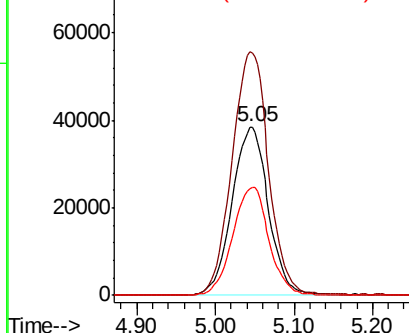


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 22.947 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.1	47.7	71.5
87	26.3	22.0	33.0
59	11.5	9.3	13.9

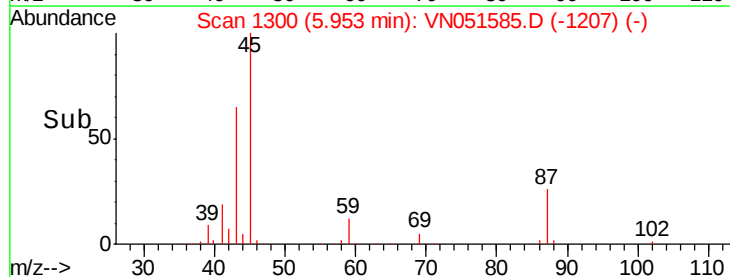
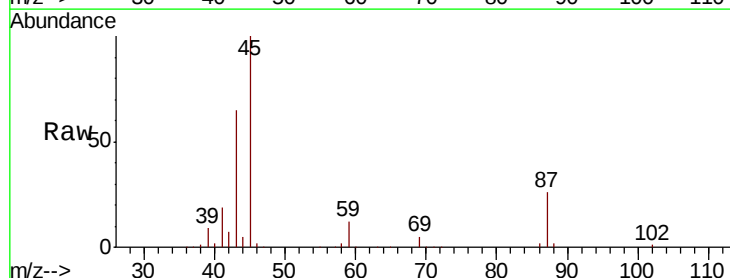
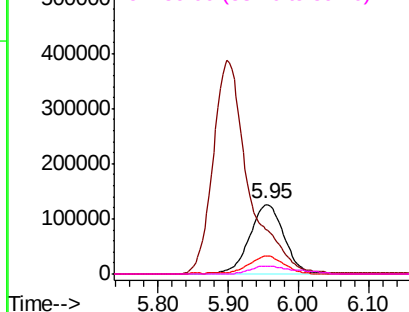
Abundance

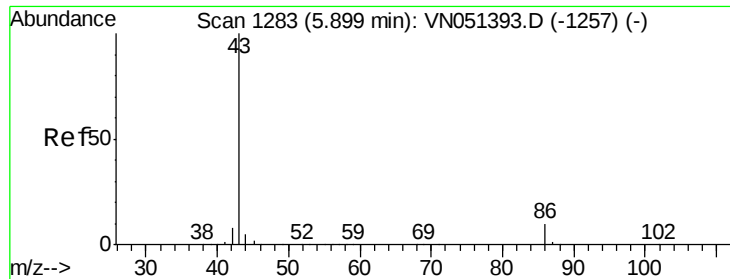
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 110.760 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

ClientSampled :

VN0927WBS03

Tot Ion: 43 Resp: 1362865

Ion Ratio Lower Upper

43 100

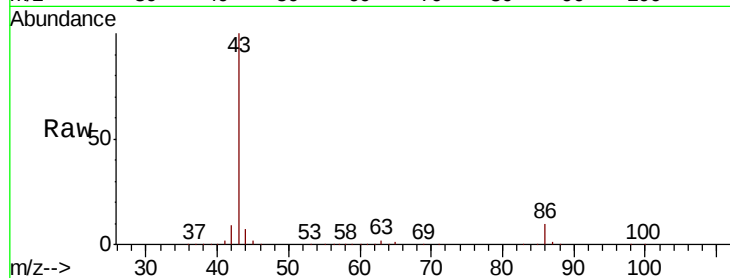
86 9.8 8.2 12.2

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

400000

300000

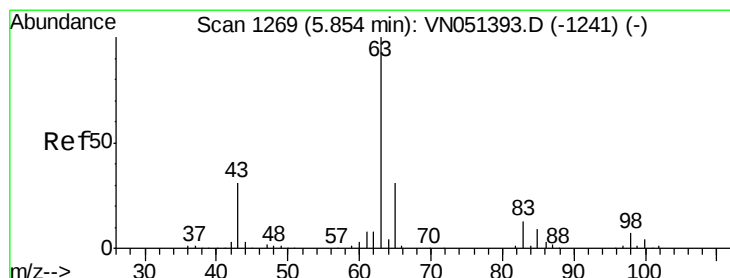
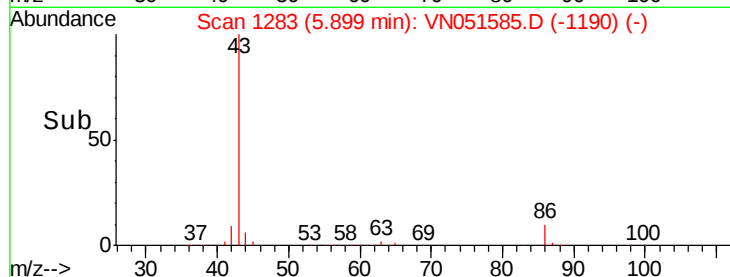
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 22.271 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

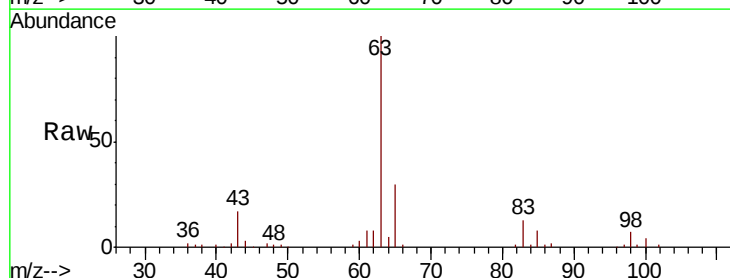
Tgt Ion: 63 Resp: 249053

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

100000

80000

60000

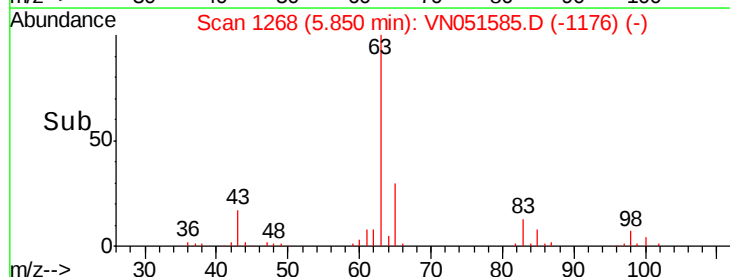
40000

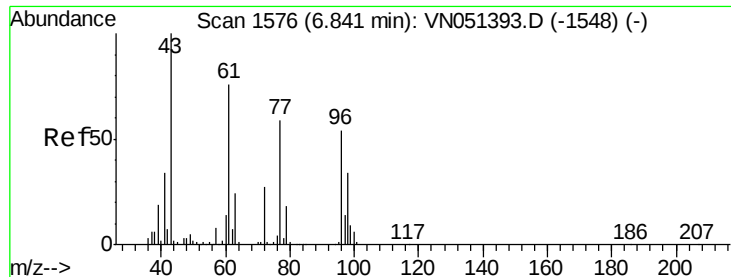
20000

0

5.70 5.80 5.90 6.00

Time-->





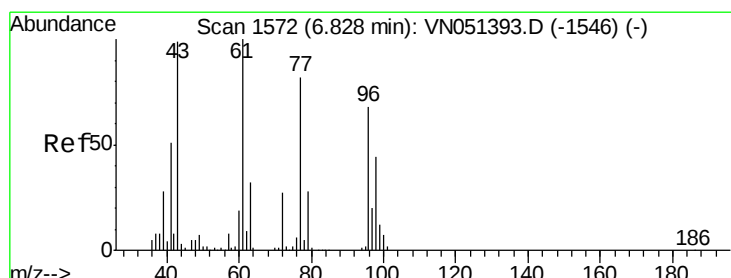
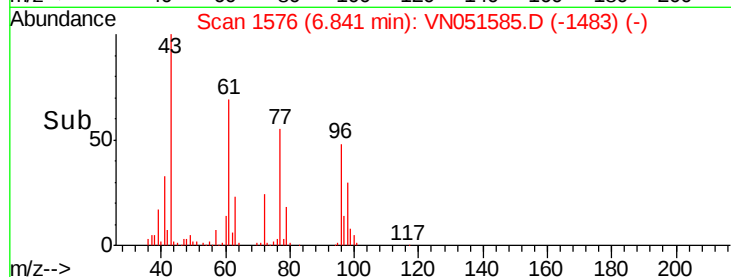
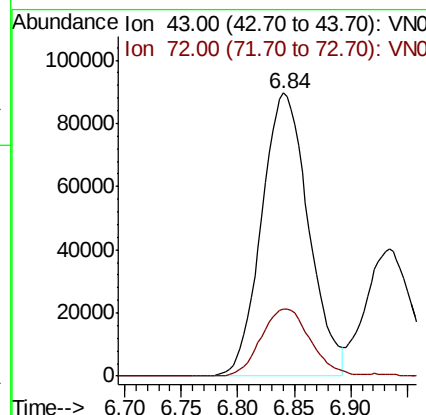
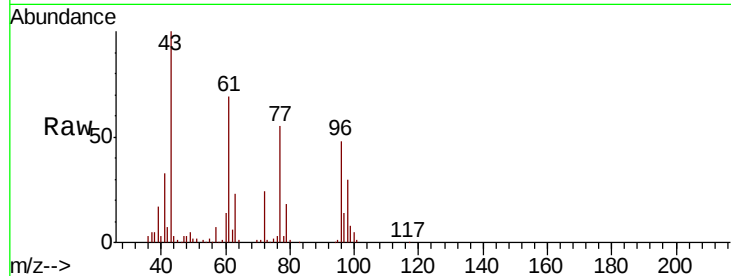
#25
 2-Butanone
 Concen: 116.164 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0927WBS03

Tot Ion: 43 Resp: 258704
 Ion Ratio Lower Upper
 43 100
 72 23.7 21.8 32.6

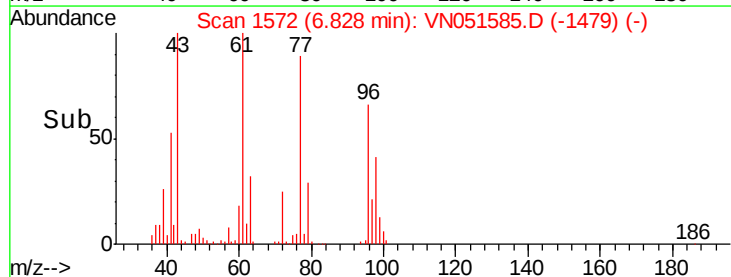
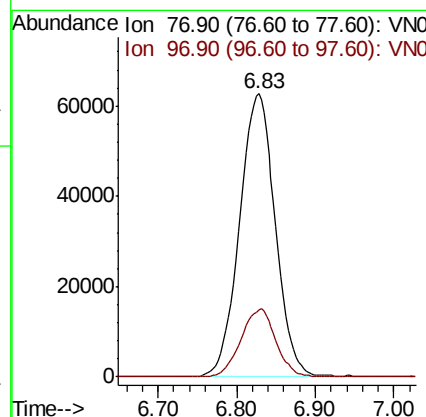
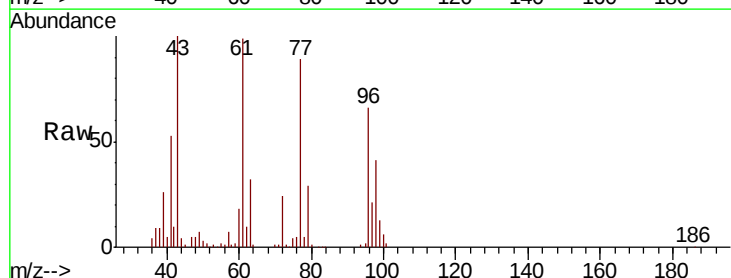
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#26
 2,2-Dichloropropane
 Concen: 22.903 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

Tgt Ion: 77 Resp: 199928
 Ion Ratio Lower Upper
 77 100
 97 23.4 11.9 35.5





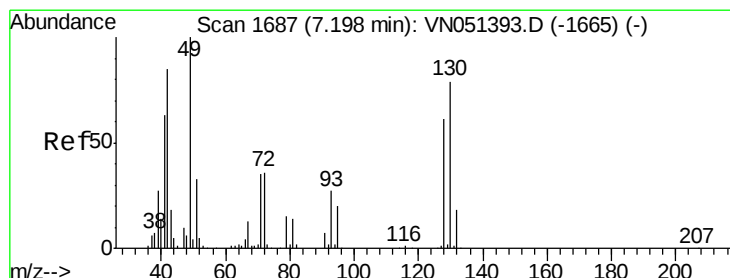
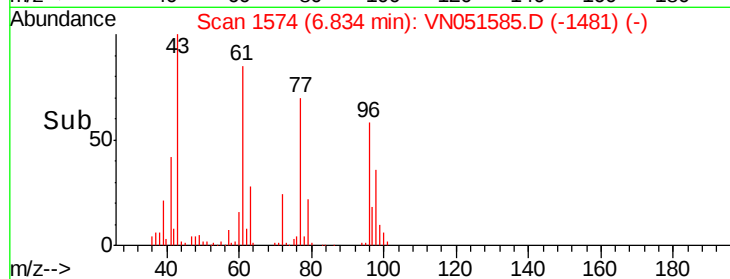
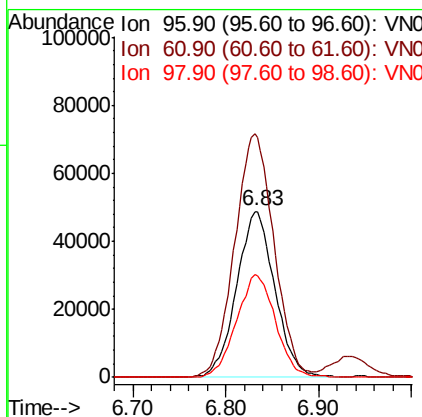
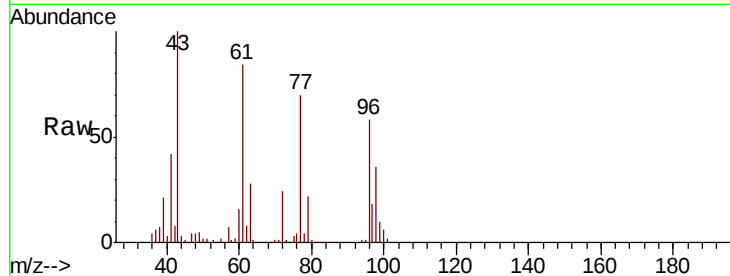
#27
 cis-1,2-Dichloroethene
 Concen: 21.539 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS03

Tot Ion	Ratio	Resp	Lower	Upper
96	100	139723		
61	150.8	0.0	291.4	
98	63.0	0.0	128.4	

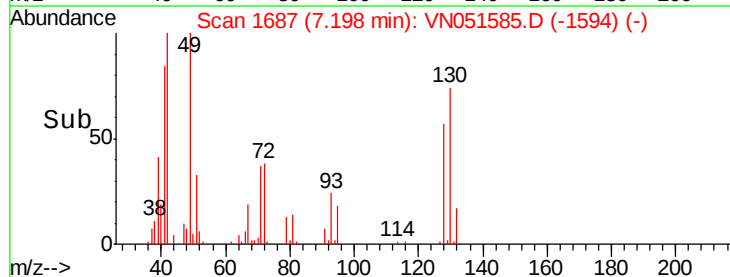
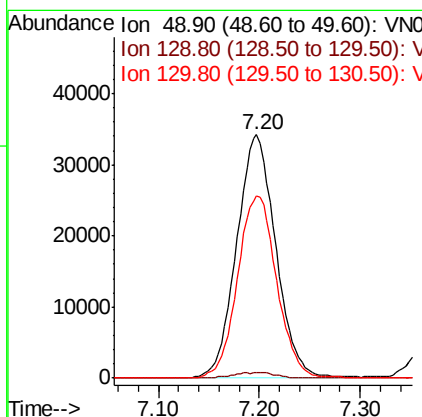
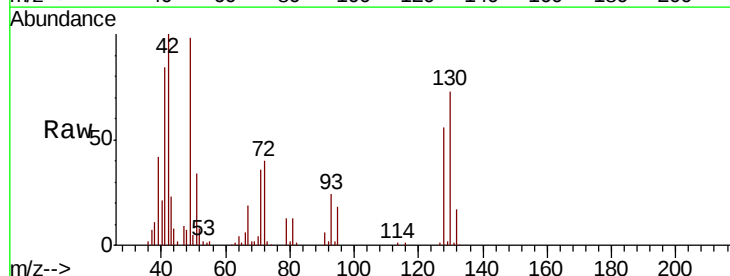
Manual Integrations
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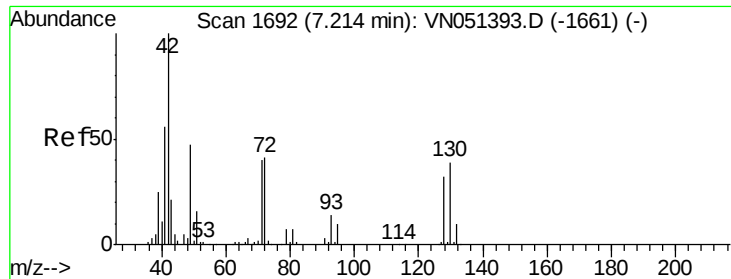
MMDadoda
 9/28/2018 5:08:28 PM



#28
 Bromochloromethane
 Concen: 17.800 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	91920		
129	1.1	0.0	3.8	
130	74.8	63.0	94.4	





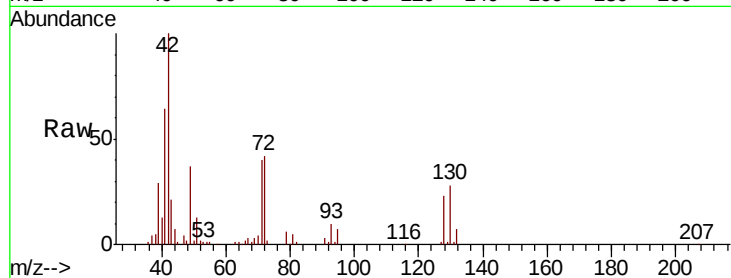
#29
Tetrahydrofuran
Concen: 120.448 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.3	51.5
71	37.4	32.2	48.4

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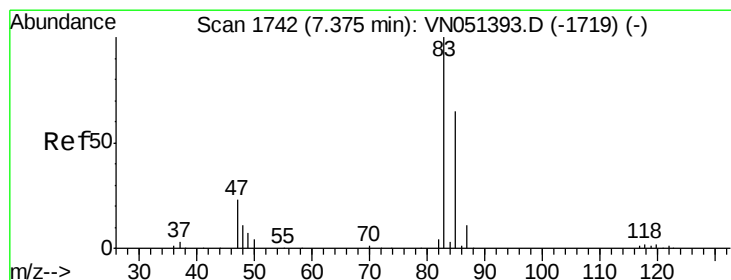
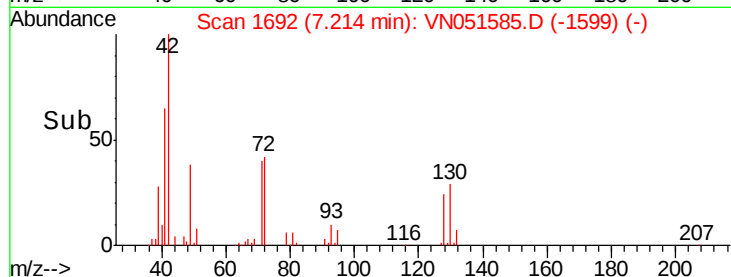
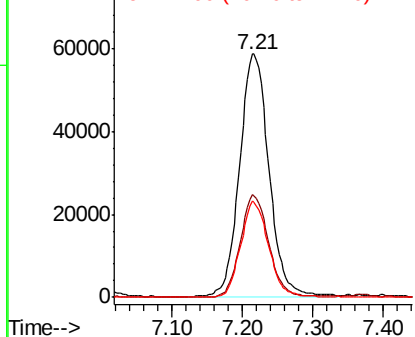


Abundance

Ion 42.00 (41.70 to 42.70): VN0

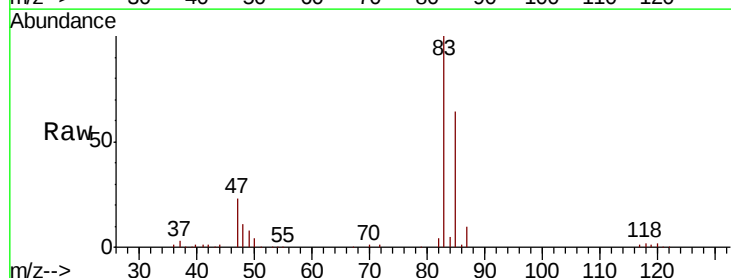
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30
Chloroform
Concen: 22.143 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

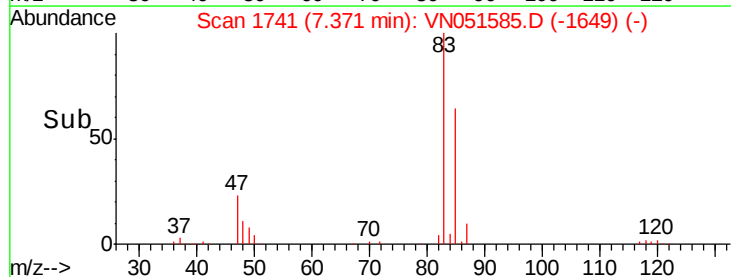
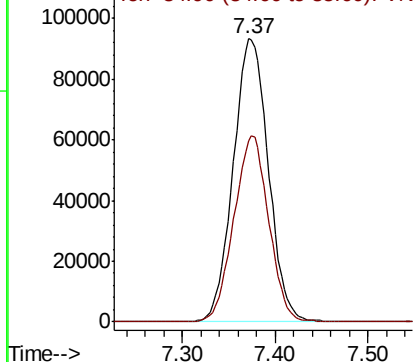
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.8	77.6

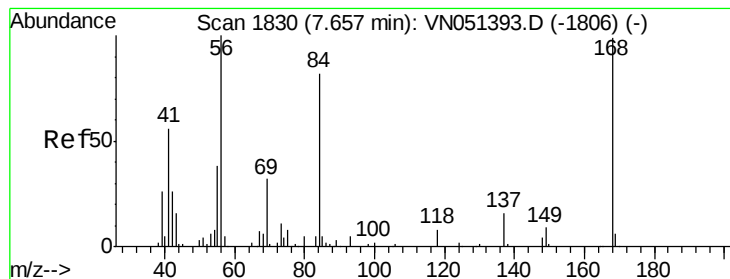


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 21.909 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

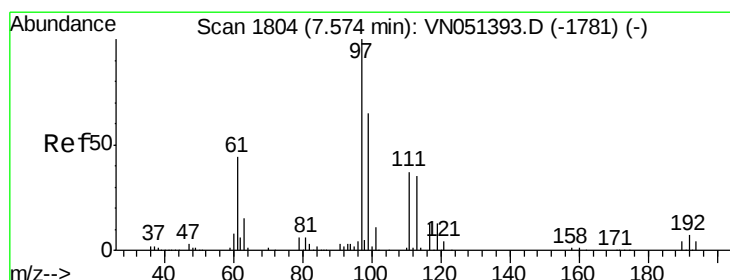
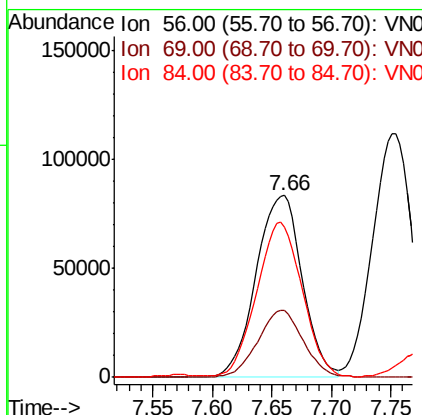
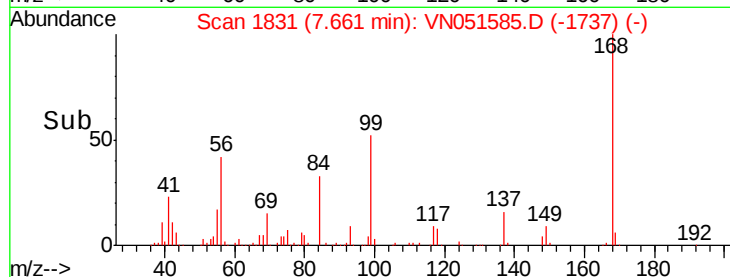
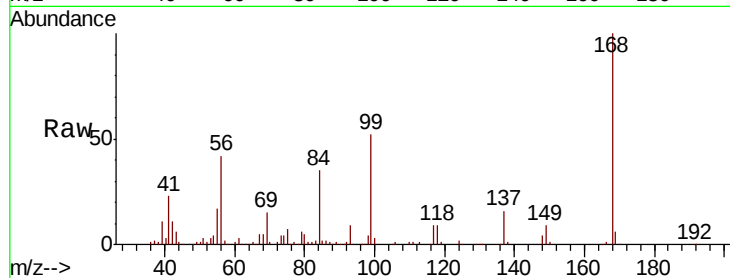
ClientSampled :

VN0927WBS03

Tot Ion:	56	Resp:	224467
Ion Ratio	Lower	Upper	
56	100		
69	36.7	25.8	38.6
84	81.3	66.0	99.0

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#32

1,1,1-Trichloroethane

Concen: 22.130 ug/l

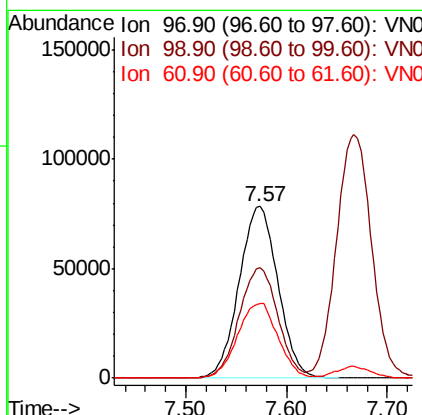
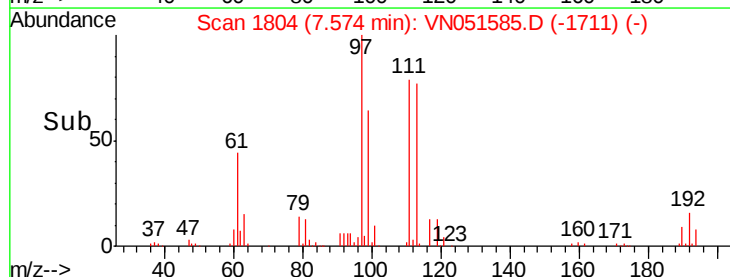
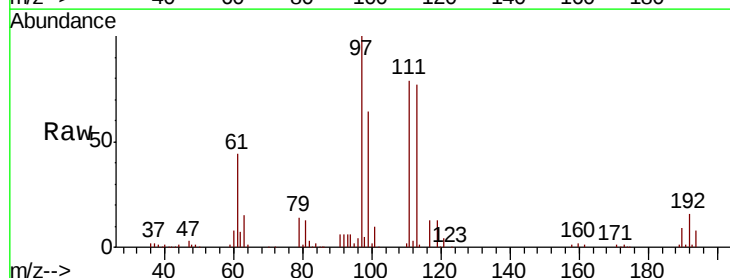
RT: 7.57 min Scan# 1804

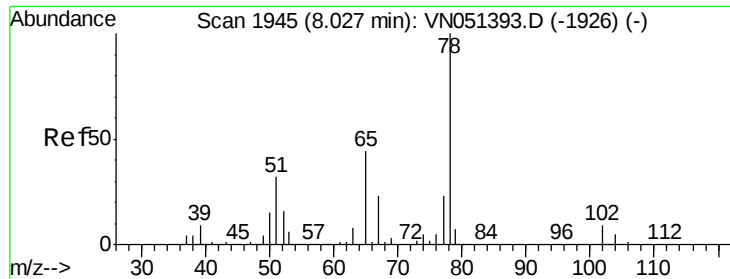
Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Tgt Ion:	97	Resp:	209630
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.4	77.0
61	45.0	35.8	53.8





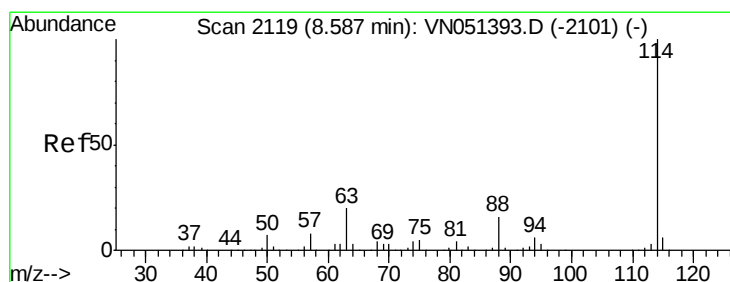
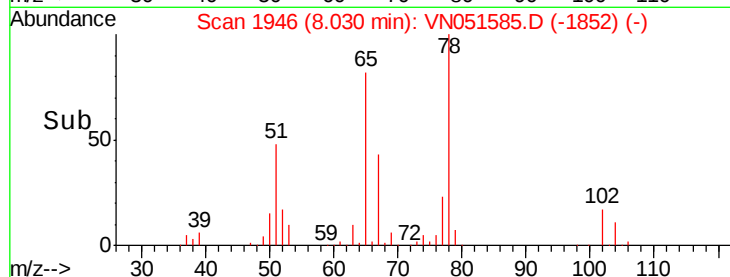
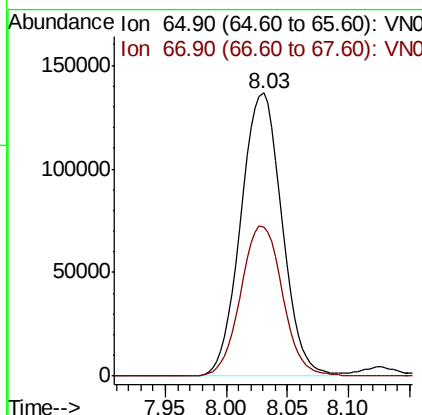
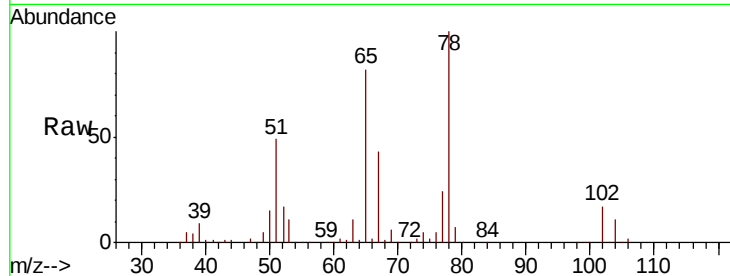
#33
 1,2-Dichloroethane-d4
 Concen: 49.190 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100	320061		
67	53.7	0.0	107.8	

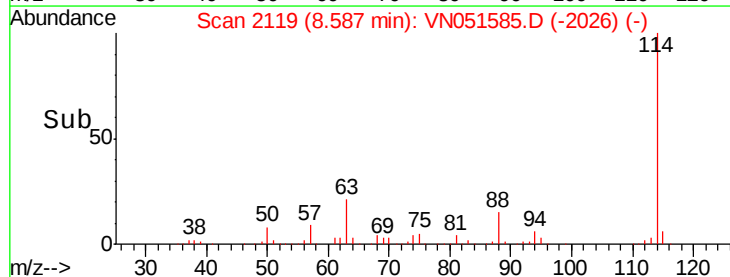
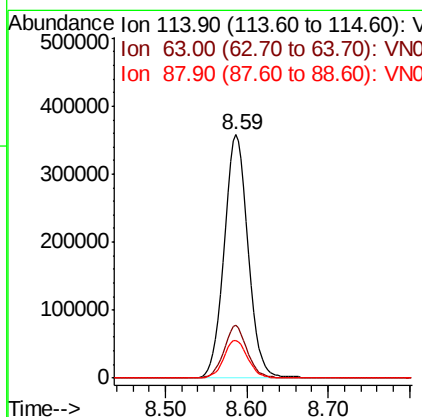
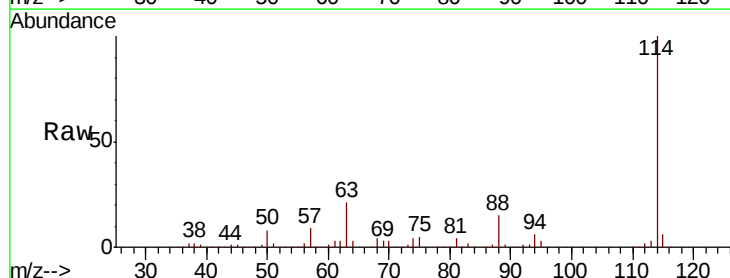
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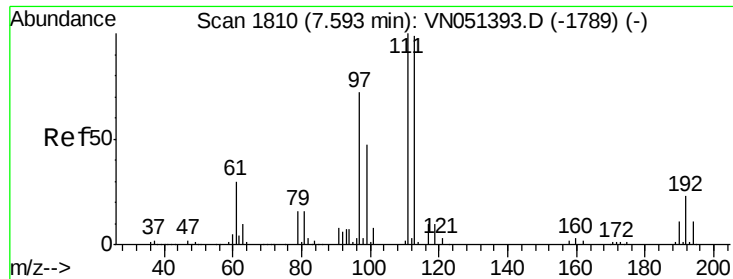
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	744083		
63	21.5	0.0	40.2	
88	15.4	0.0	31.4	





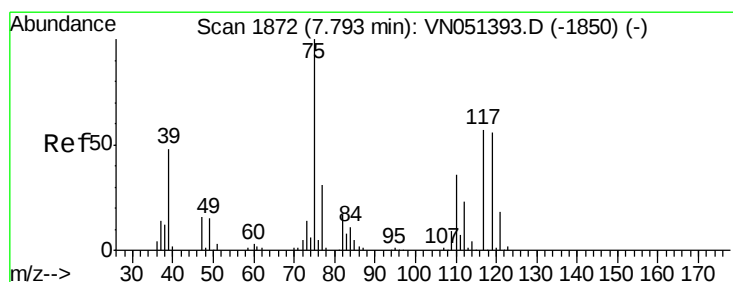
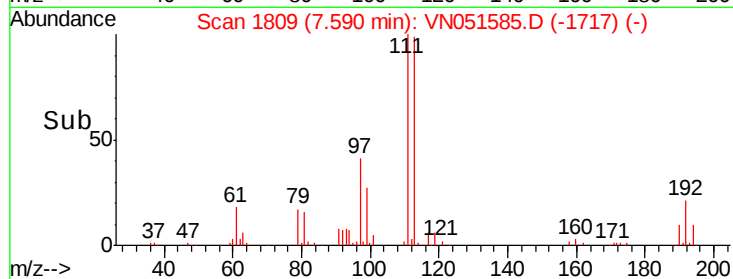
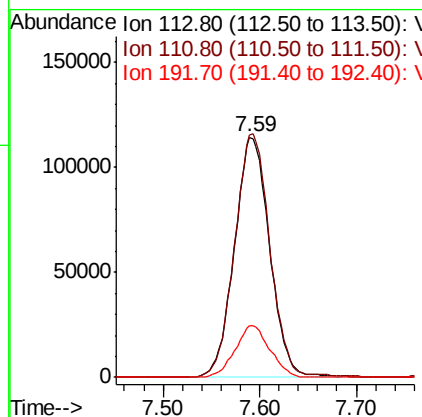
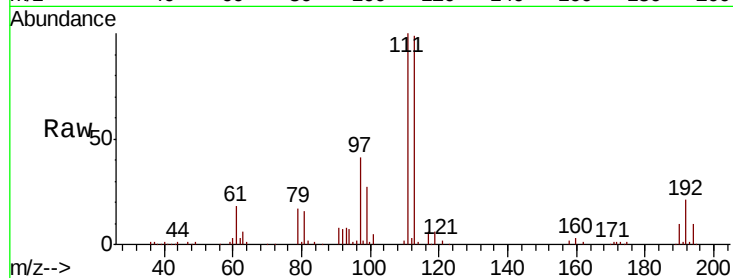
#35
 Dibromofluoromethane
 Concen: 48.430 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	288161		
111	102.2	82.6	123.8	
192	21.4	18.0	27.0	

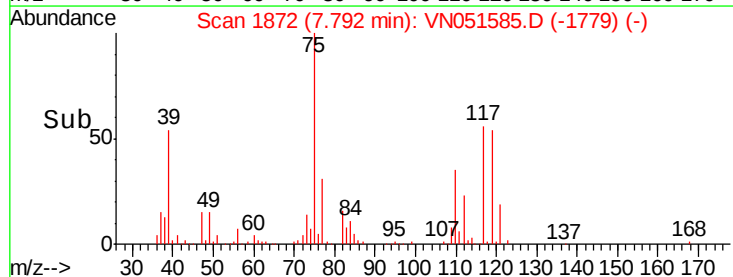
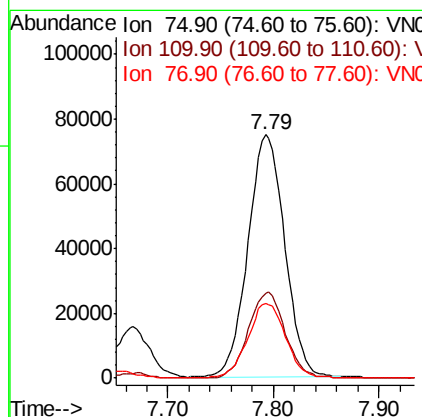
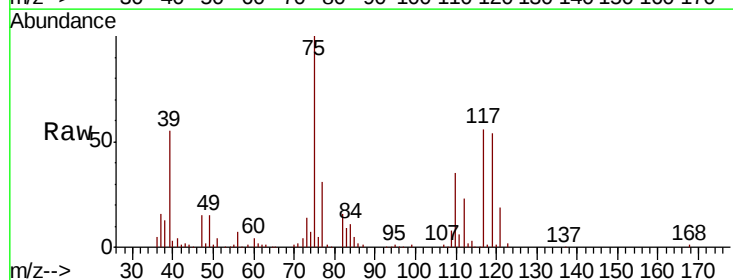
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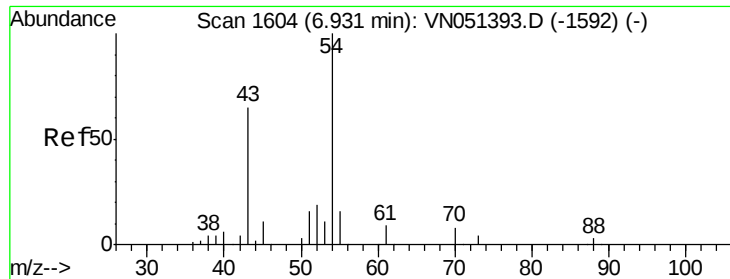
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 21.168 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	182396		
110	35.4	18.1	54.3	
77	31.8	25.6	38.4	





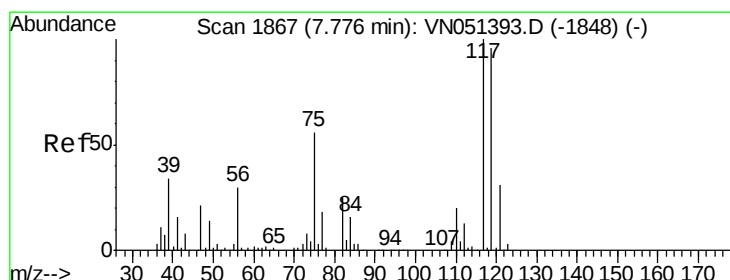
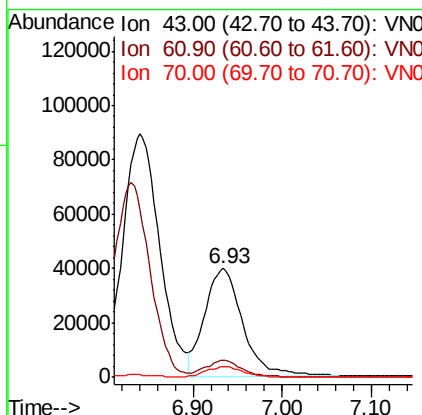
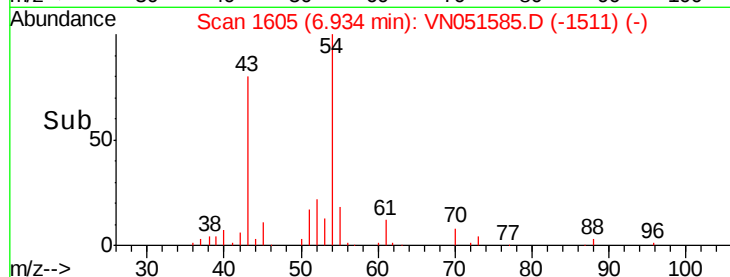
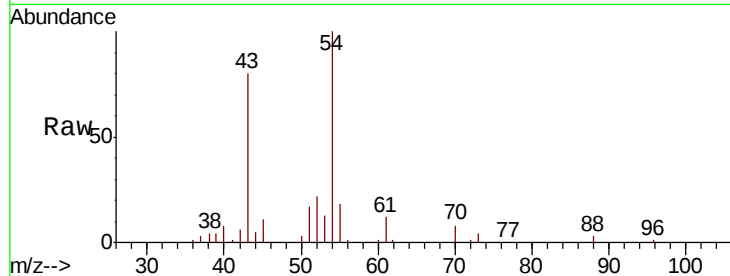
#37
Ethyl Acetate
Concen: 23.784 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Instrument :
MSVOA_N
ClientSampled :
VN0927WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.5	17.3
70	9.7	7.9	11.9

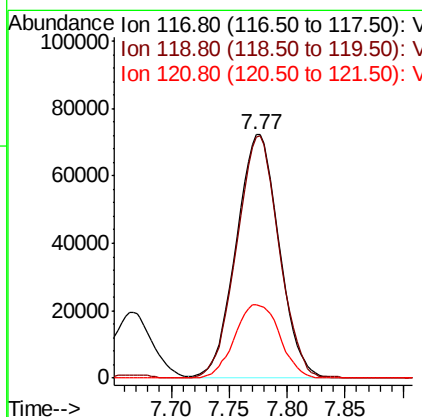
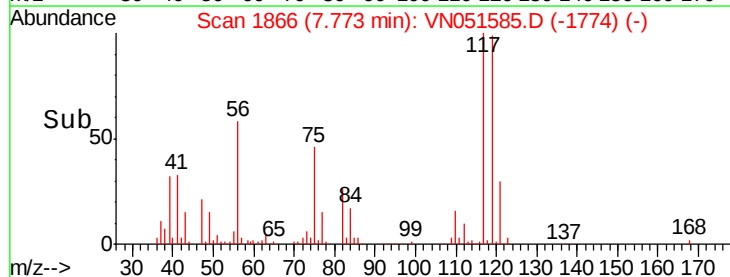
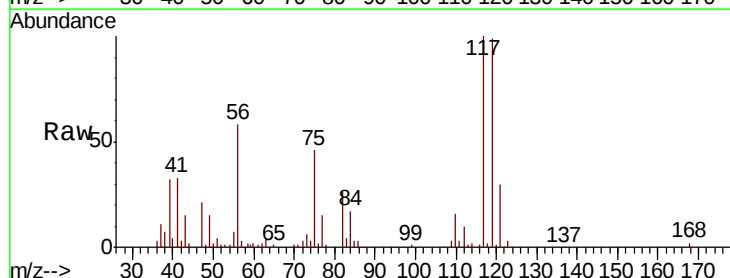
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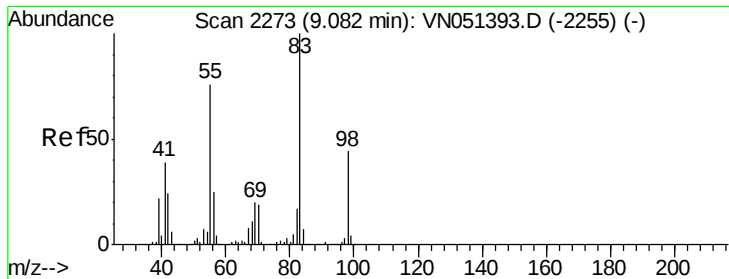
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#38
Carbon Tetrachloride
Concen: 20.513 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	76.9	115.3
121	30.3	24.6	37.0





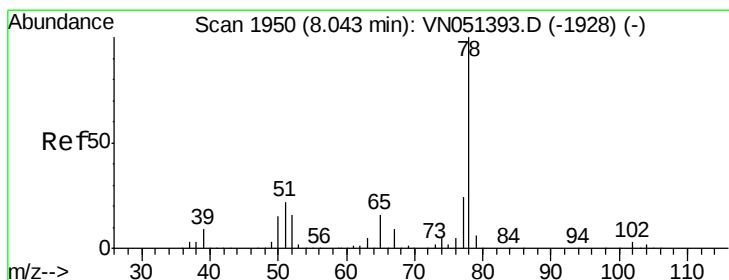
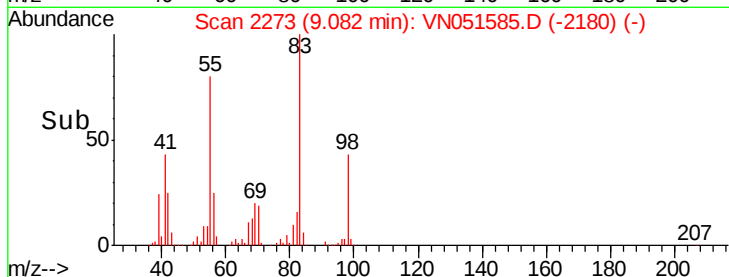
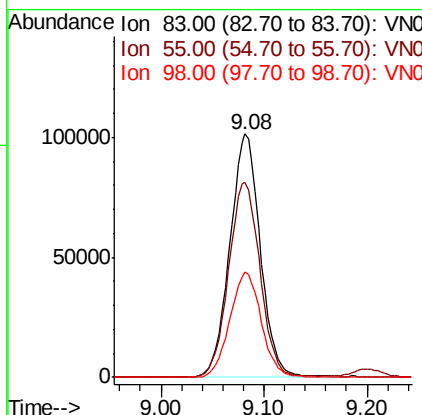
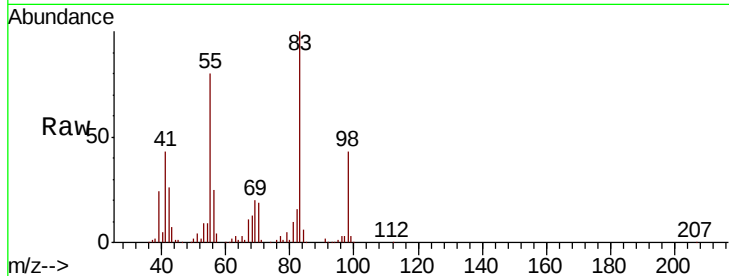
#39
Methvlcvclohexane
Concen: 20.728 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS03

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.2	61.0	91.4	
98	43.2	35.6	53.4	

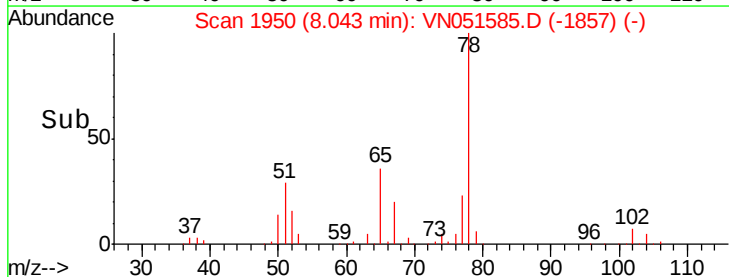
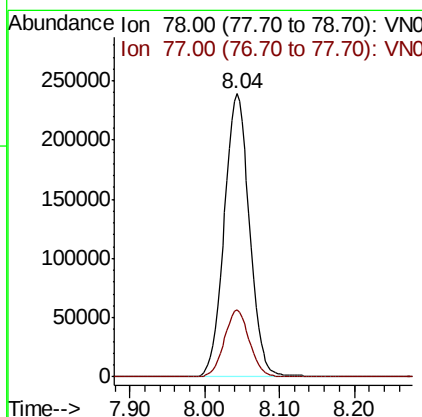
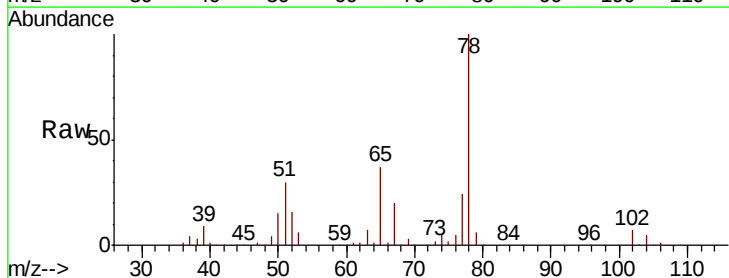
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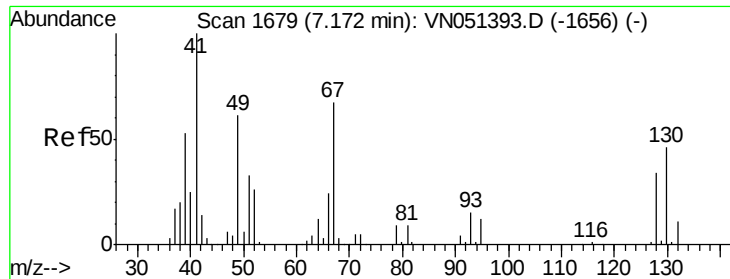
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#40
Benzene
Concen: 22.079 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.2	28.8	





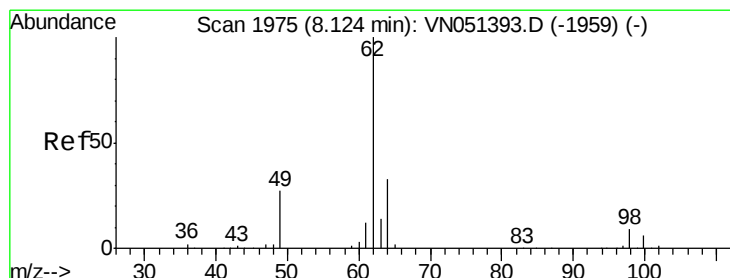
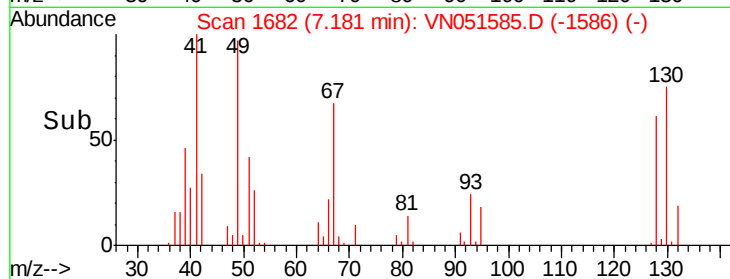
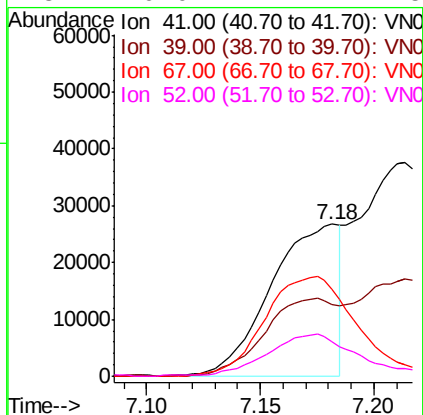
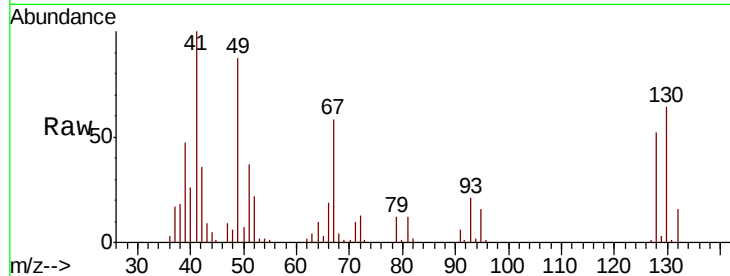
#41
Methacrylonitrile
Concen: 20.415 ug/l m
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS03

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.4	77.2#
67	0.0	66.8	100.2#
52	0.0	27.7	41.5#

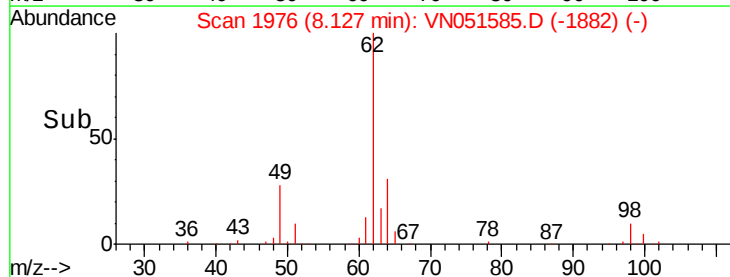
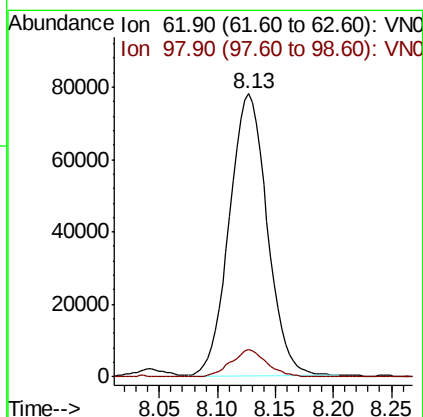
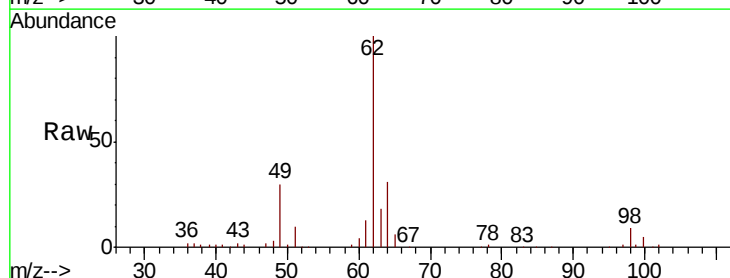
Manual Integrations
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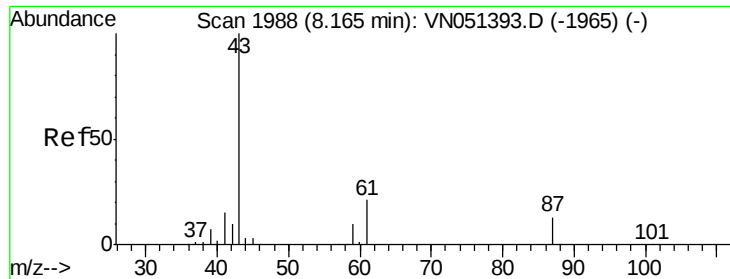
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.829 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6





#43

Isopropyl Acetate

Concen: 24.309 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

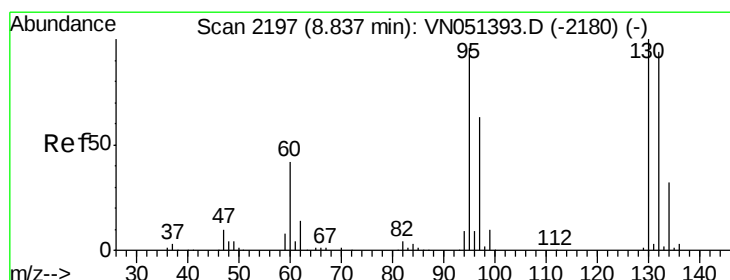
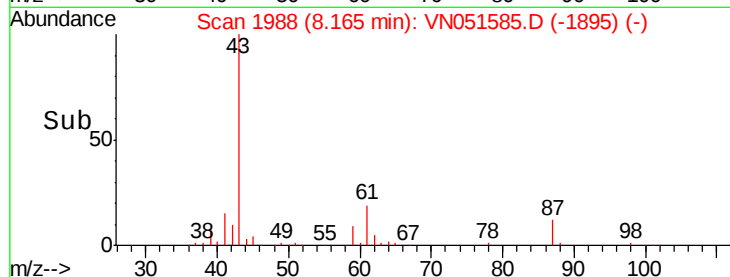
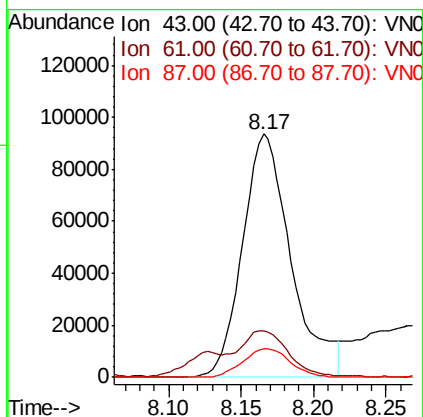
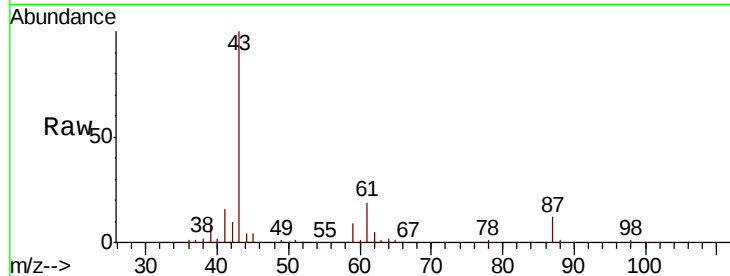
ClientSampleId :

VN0927WBS03

Tot Ion:	43	Resp:	217778
Ion	Ratio	Lower	Upper
43	100		
61	18.0	16.8	25.2
87	11.6	10.7	16.1

Manual Integrations
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#44

Trichloroethene

Concen: 20.785 ug/l

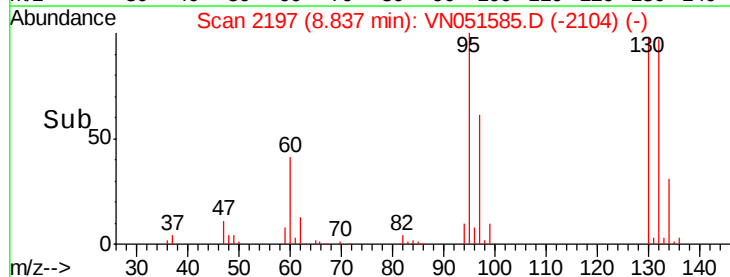
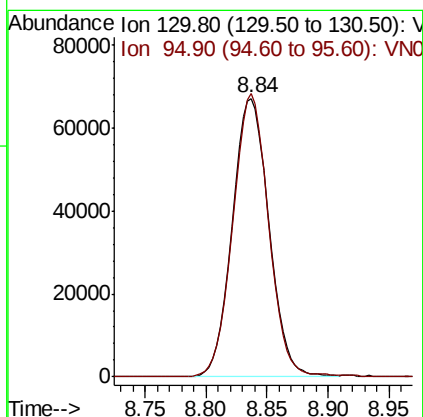
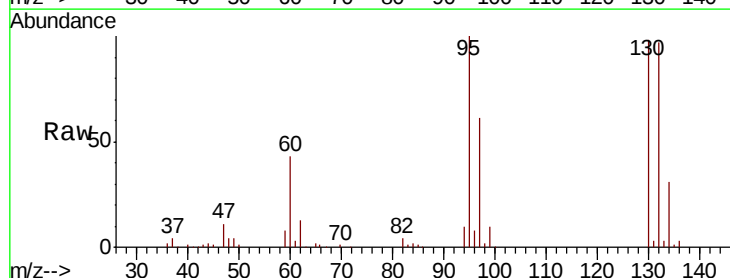
RT: 8.84 min Scan# 2197

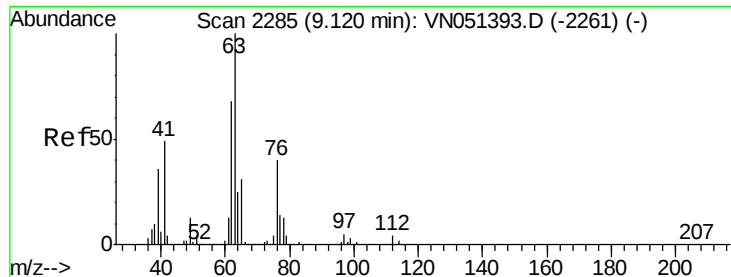
Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Tgt Ion:	130	Resp:	139678
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	192.2





#45

1,2-Dichloropropane

Concen: 22.152 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

ClientSampled :

VN0927WBS03

Tot Ion: 63 Resp: 152348

Ion Ratio Lower Upper

63 100

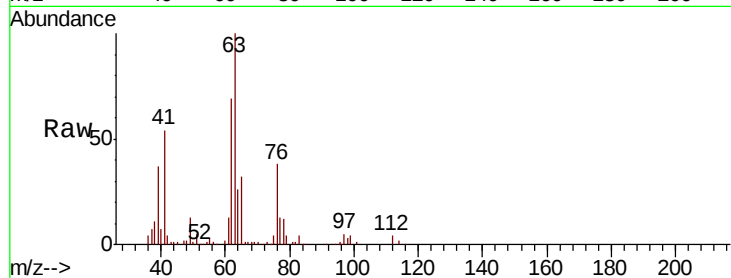
65 32.2 24.9 37.3

Manual Integrations

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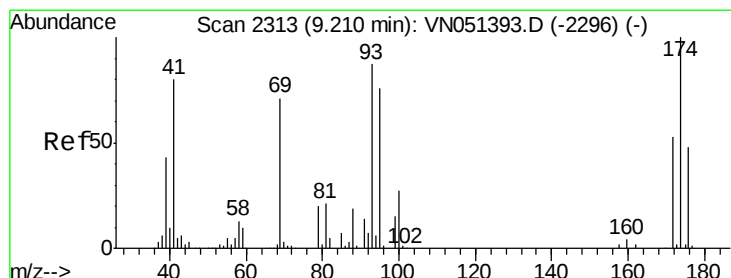
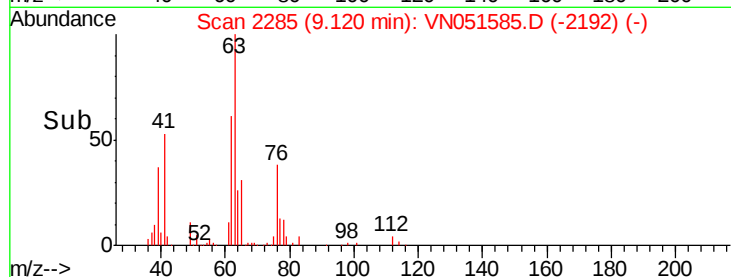
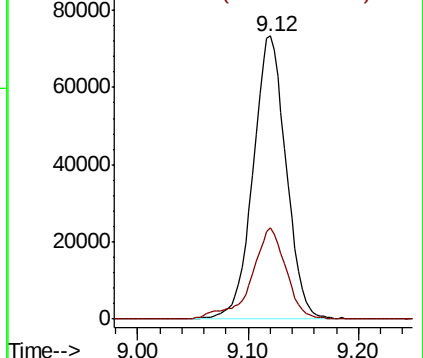
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.728 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

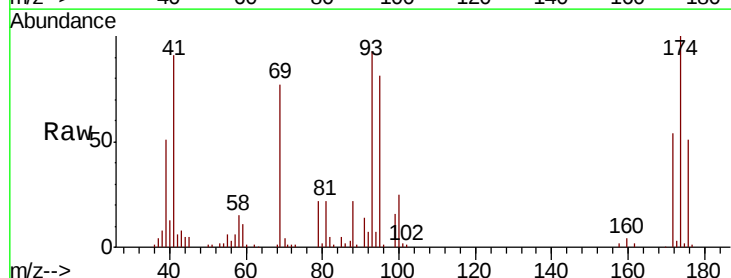
Tgt Ion: 93 Resp: 84431

Ion Ratio Lower Upper

93 100

95 85.0 67.6 101.4

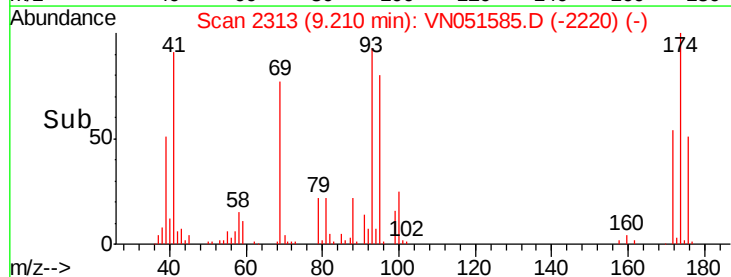
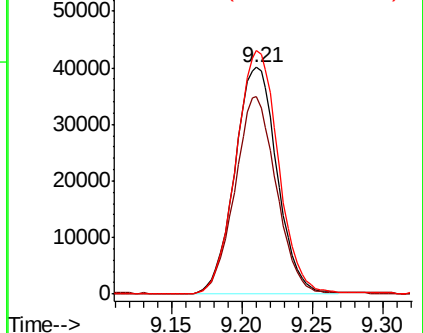
174 107.8 89.6 134.4

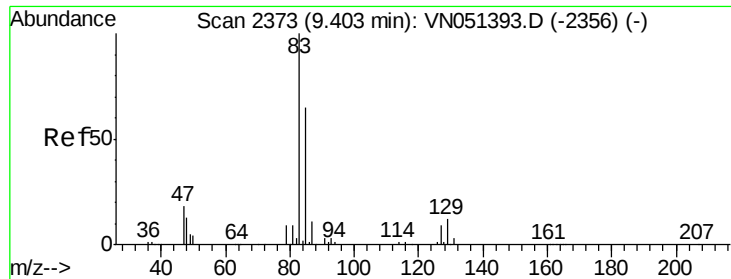


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





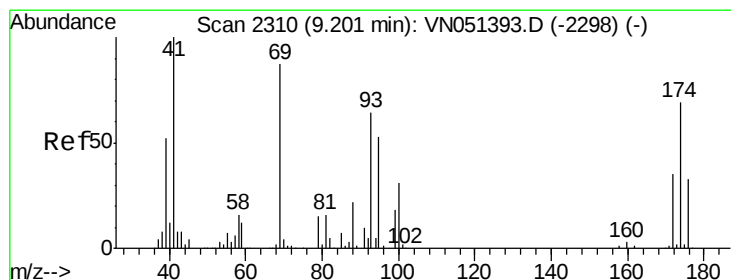
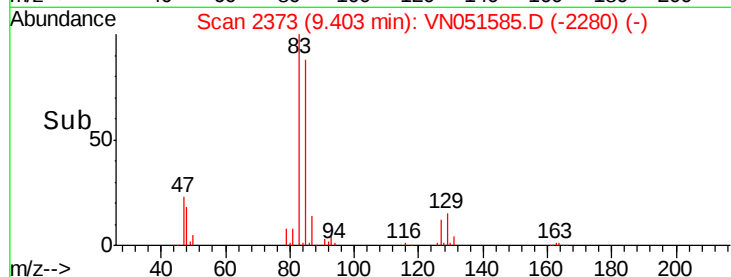
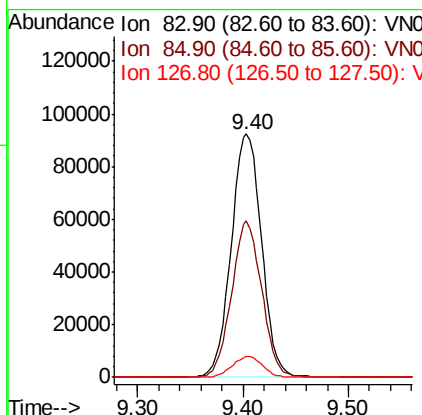
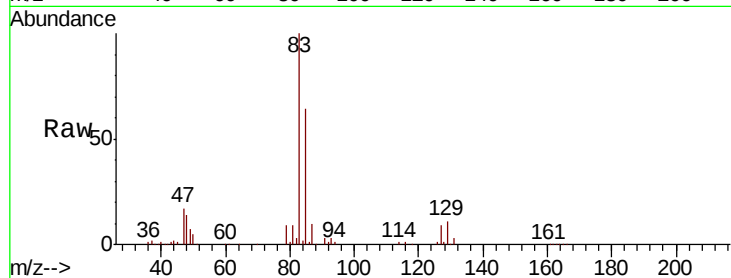
#47
Bromodichloromethane
Concen: 21.449 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS03

Tot Ion	Ratio	Resp	Lower	Upper
83	100	184447		
85	64.4	51.8	77.6	
127	8.5	7.4	11.2	

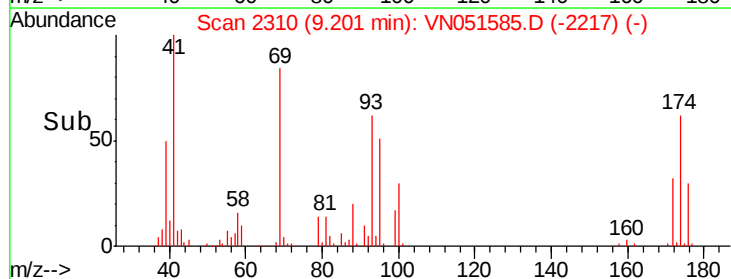
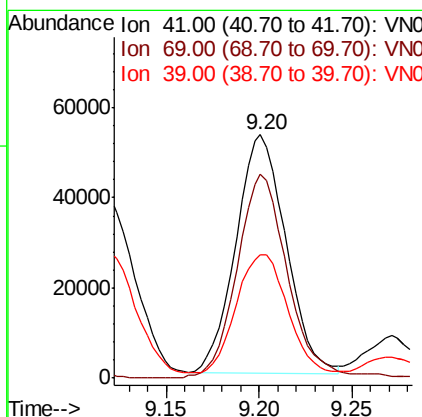
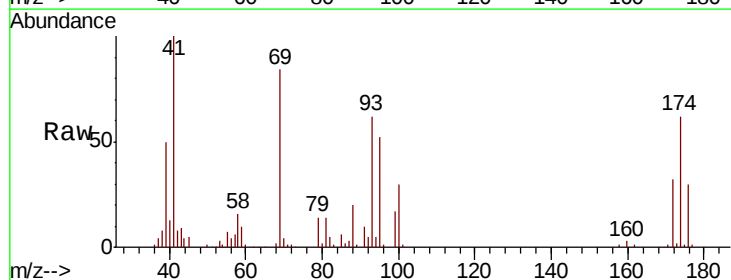
Manual Integrations
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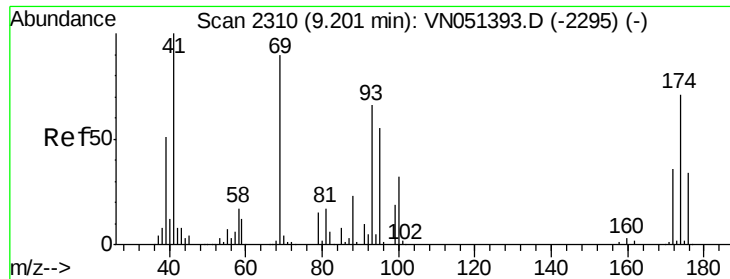
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#48
Methyl methacrylate
Concen: 22.385 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	99983		
69	86.4	70.4	105.6	
39	54.1	43.8	65.8	





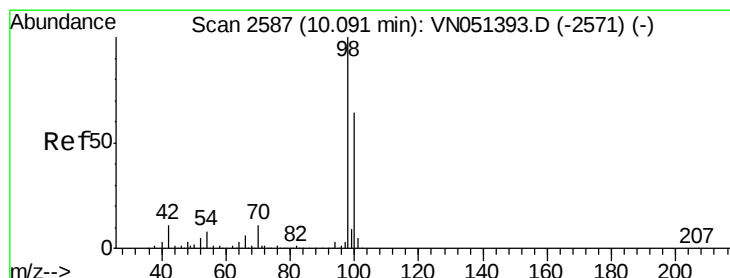
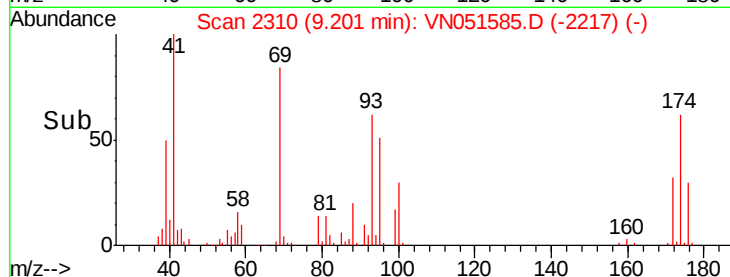
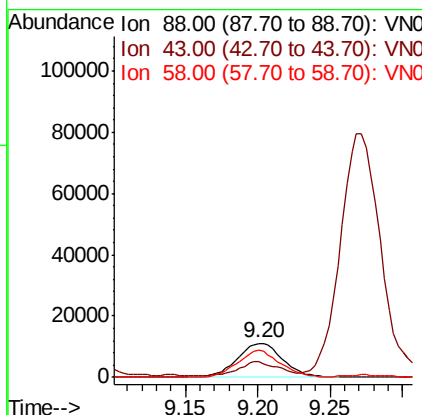
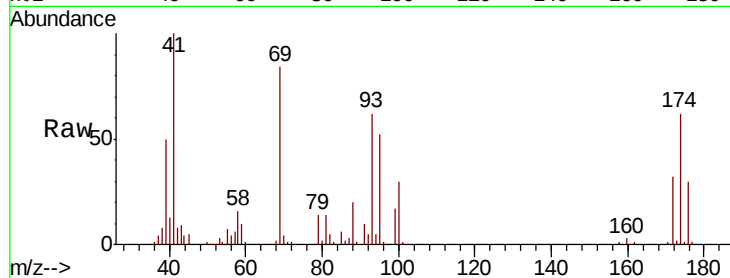
#49
1,4-Dioxane
Concen: 440.528 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS03

Tot Ion	88	Resp	24114
Ion	Ratio	Lower	Upper
88	100		
43	34.4	25.9	38.9
58	74.1	57.0	85.4

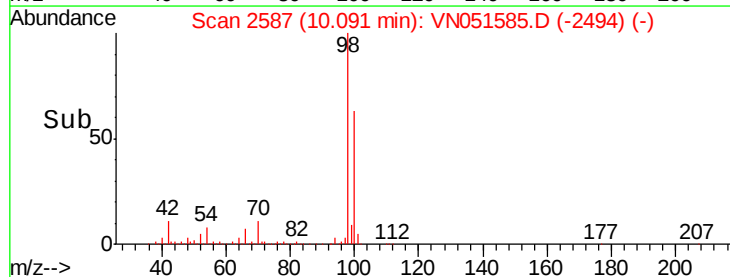
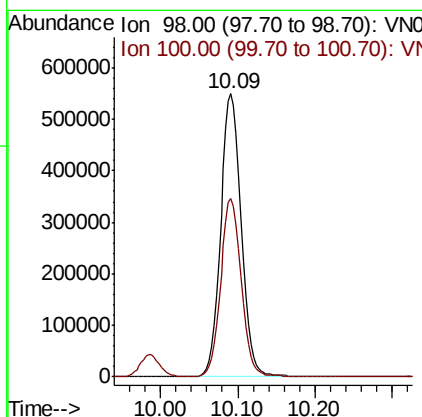
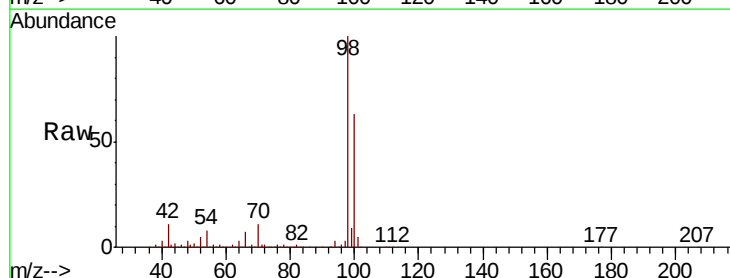
Manual Integrations
APPROVED

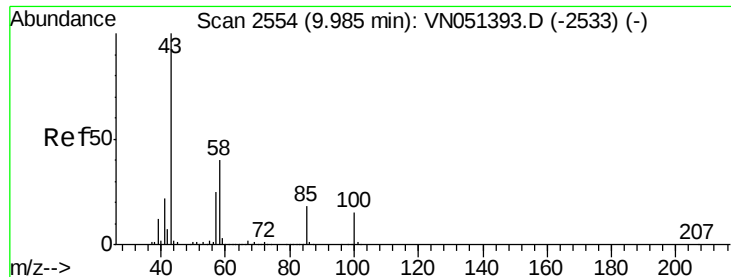
MMDadoda
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#50
Toluene-d8
Concen: 45.564 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Tgt Ion	98	Resp	1020896
Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.6	75.8





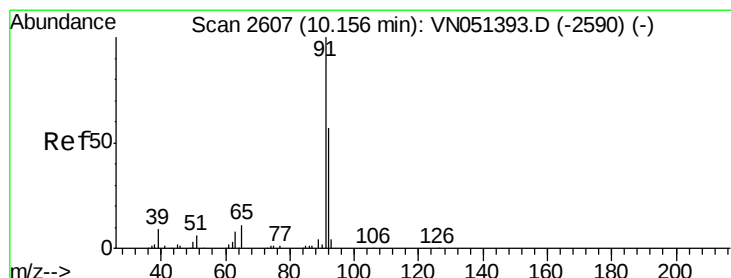
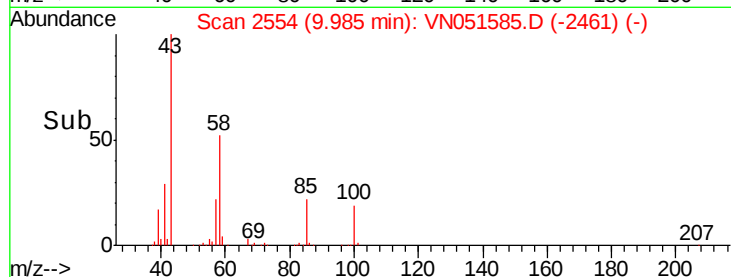
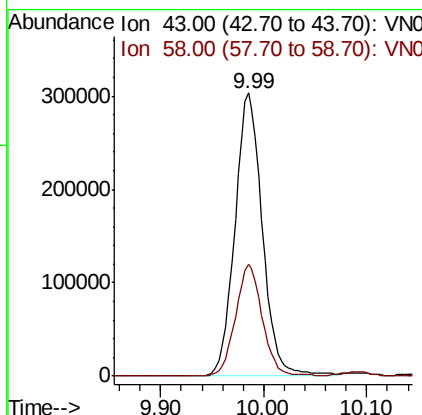
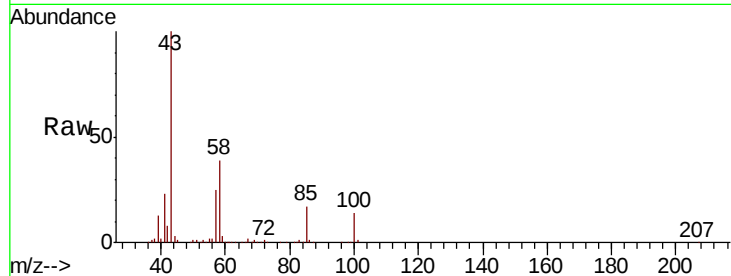
#51
4-Methyl-2-Pentanone
Concen: 113.661 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS03

Tot Ion	Ratio	Resp	Lower	Upper
43	100	559997		
58	38.6		31.5	47.3

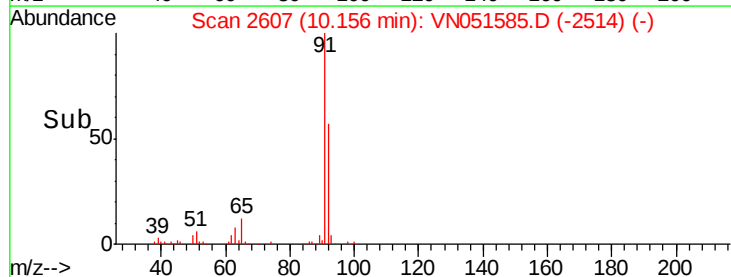
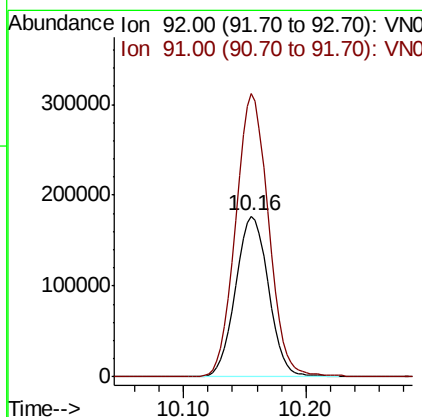
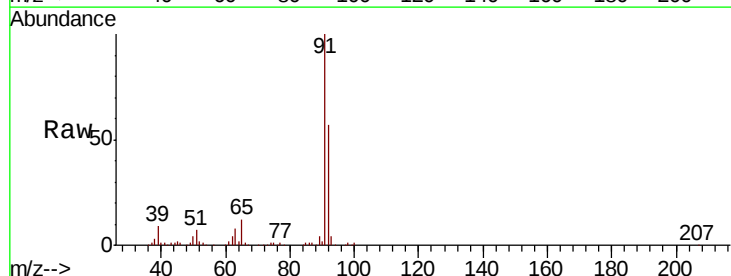
Manual Integrations
APPROVED

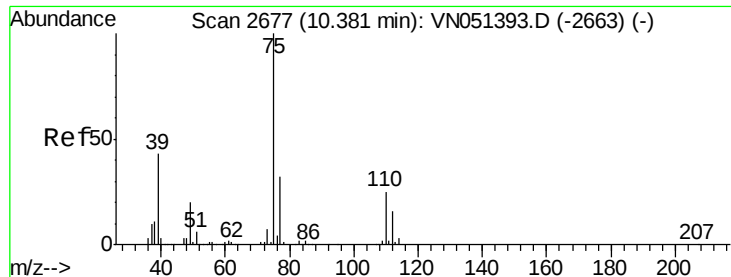
MMDadoda
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#52
Toluene
Concen: 21.101 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
92	100	331769		
91	175.5		142.2	213.4





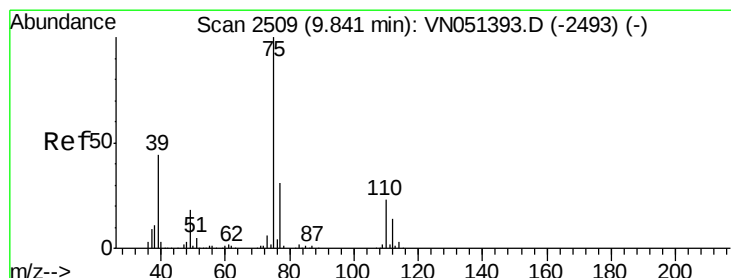
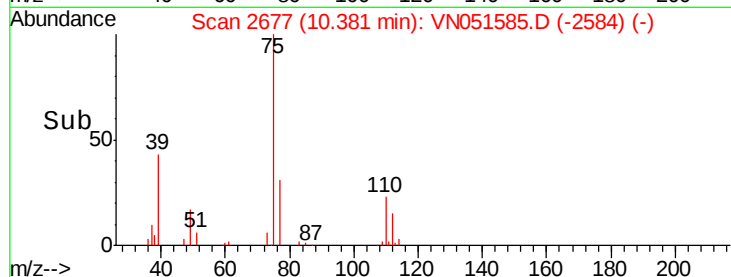
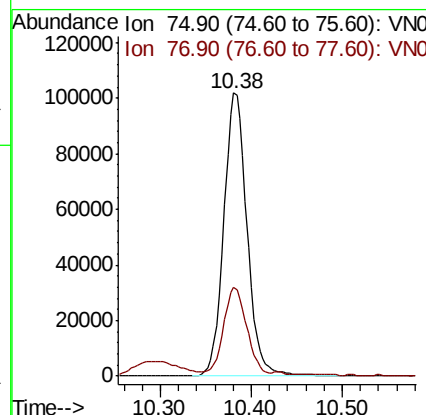
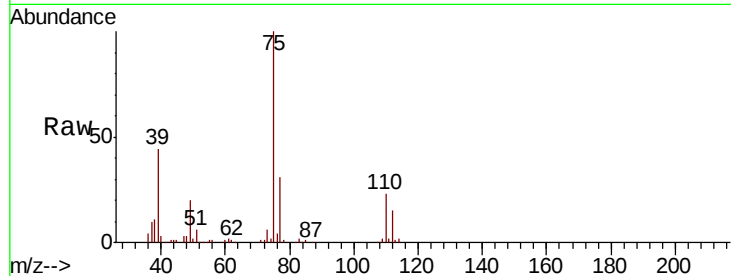
#53
t-1,3-Dichloropropene
Concen: 20.855 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Instrument :
MSVOA_N
ClientSampled :
VN0927WBS03

Tot Ion	75	Resp	181058
Ion Ratio	Lower	Upper	
75	100		
77	30.9	25.8	38.8

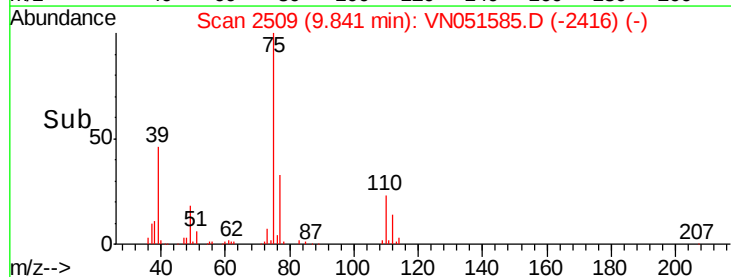
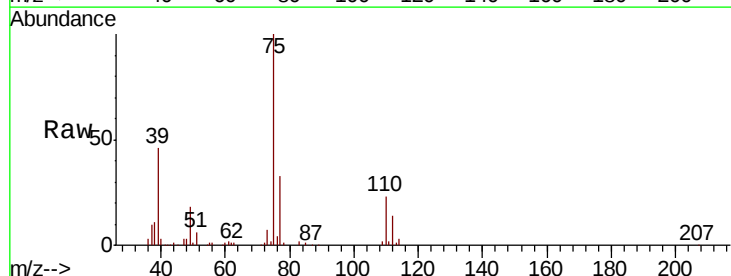
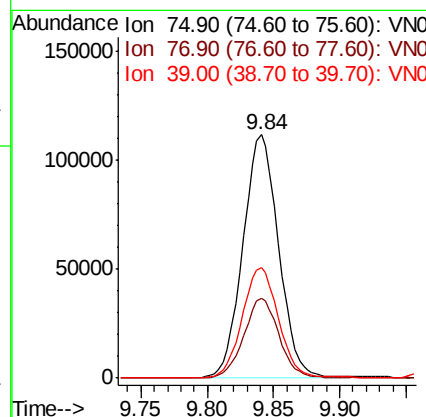
Manual Integrations
APPROVED

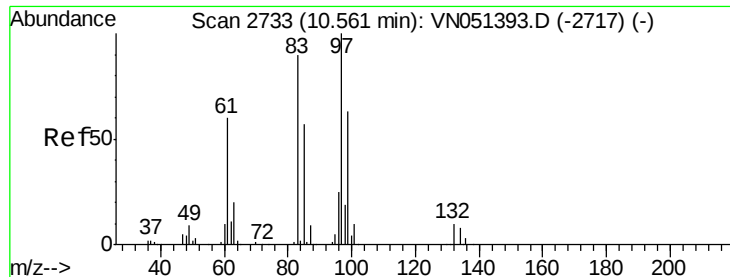
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.794 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Tgt Ion	75	Resp	209354
Ion Ratio	Lower	Upper	
75	100		
77	33.0	25.2	37.8
39	45.4	35.4	53.2





#55

1,1,2-Trichloroethane

Concen: 21.810 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

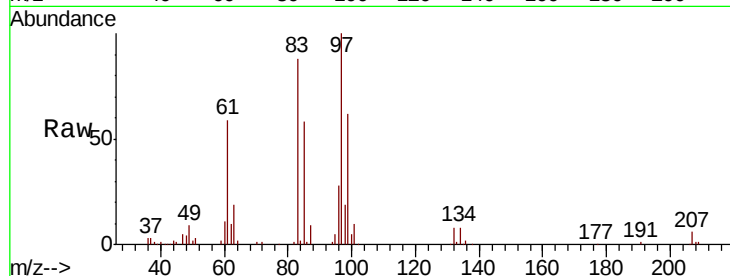
ClientSampleId :

VN0927WBS03

Tot Ion:	97	Resp:	121195
Ion	Ratio	Lower	Upper
97	100		
83	87.5	72.0	108.0
85	57.6	45.2	67.8
99	61.6	50.7	76.1

Manual Integrations
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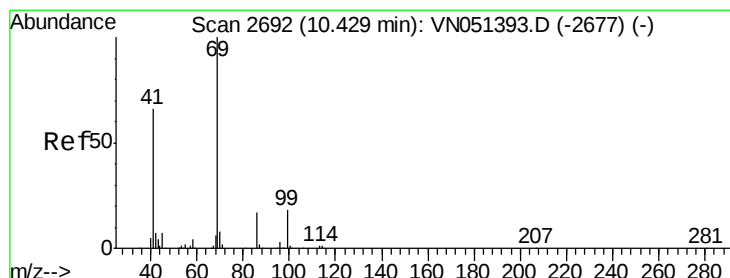
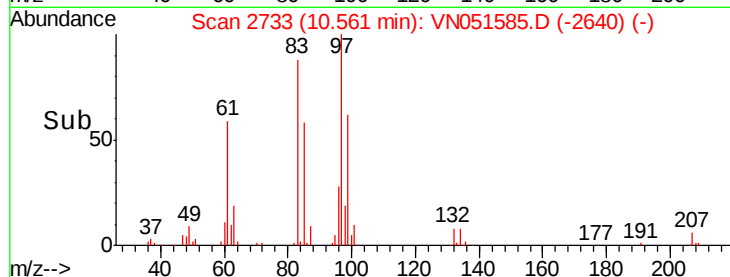
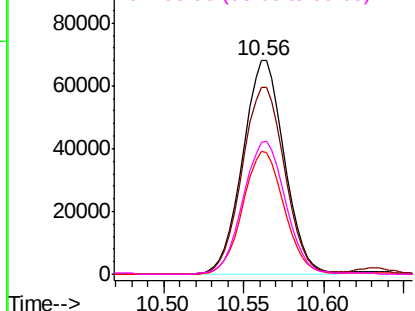
Abundance

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: 20.663 ug/l

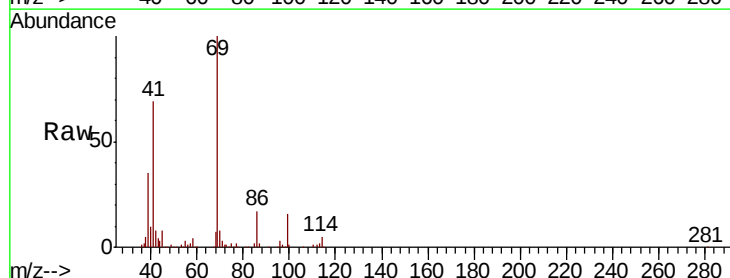
RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Tgt Ion:	69	Resp:	140382
Ion	Ratio	Lower	Upper
69	100		
41	68.8	52.4	78.6
39	34.6	26.3	39.5

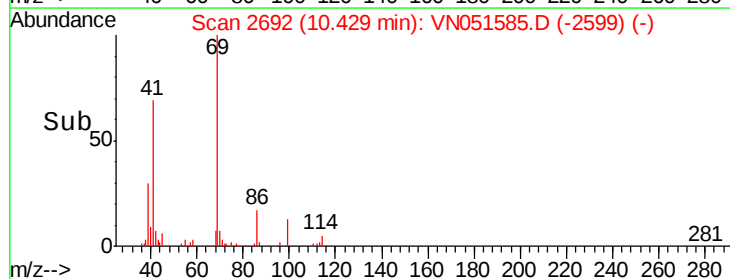
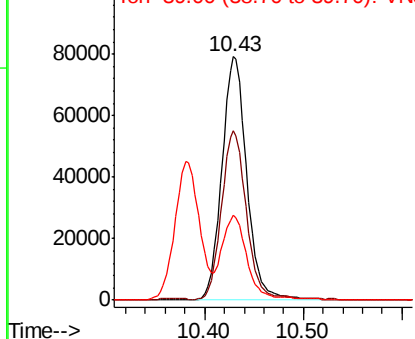


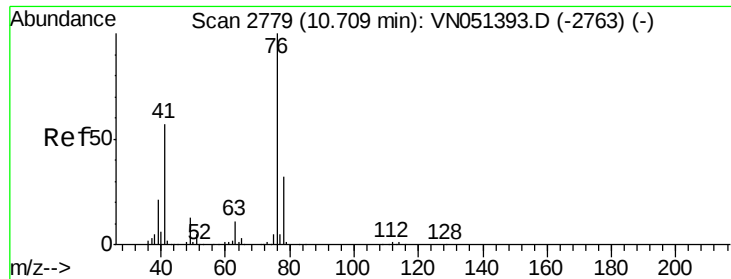
Abundance

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: 21.453 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS03

Tot Ion: 76 Resp: 204330

Ion Ratio Lower Upper

76 100

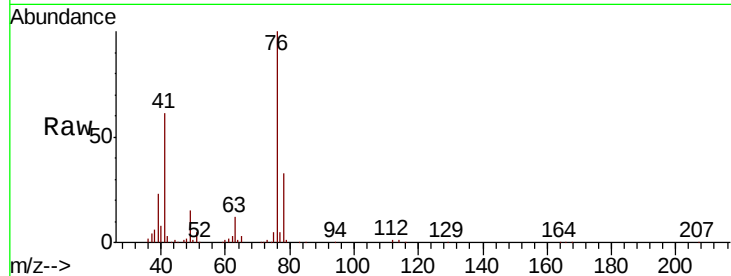
78 32.5 25.5 38.3

Manual Integrations

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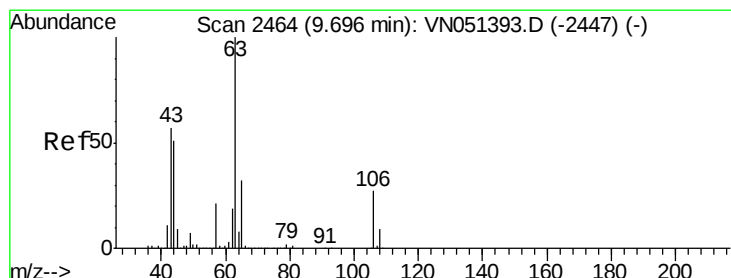
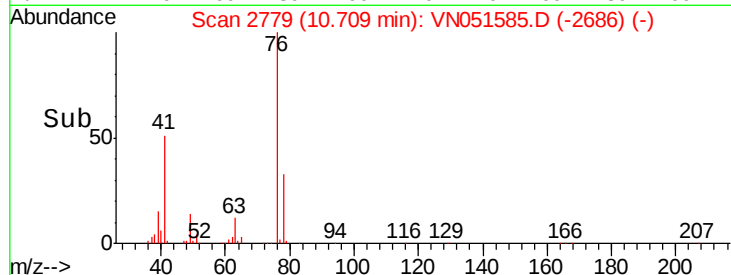
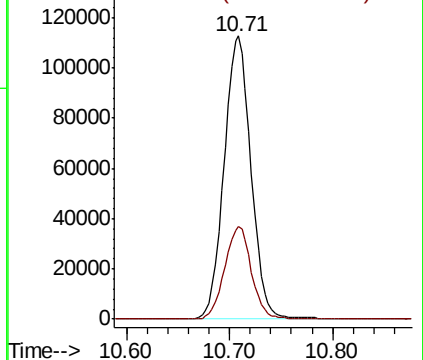
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 98.375 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051585.D

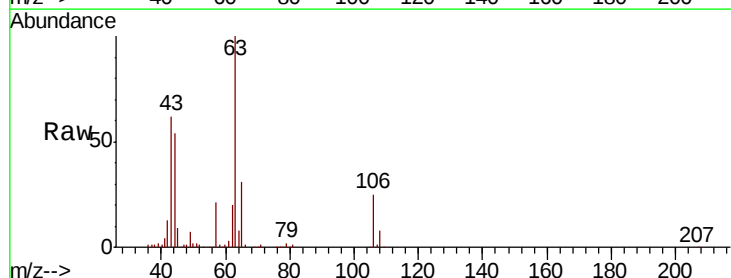
Acq: 27 Sep 2018 16:26

Tgt Ion: 63 Resp: 312247

Ion Ratio Lower Upper

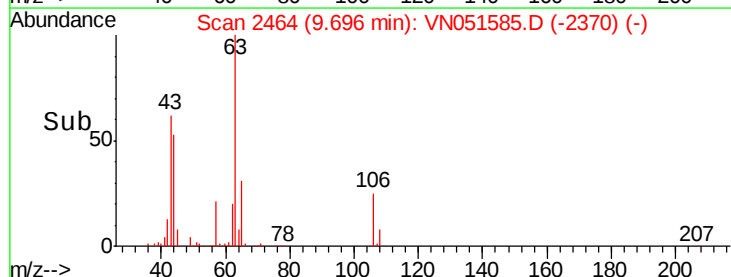
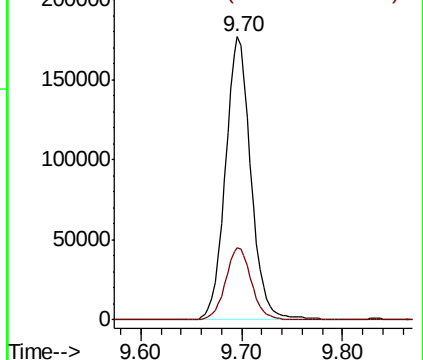
63 100

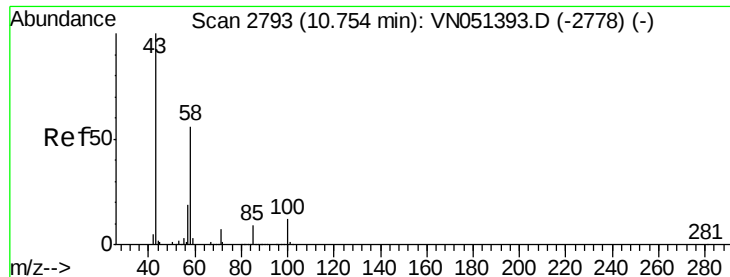
106 25.9 21.4 32.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





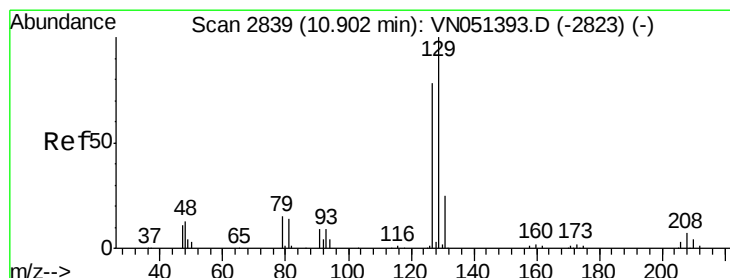
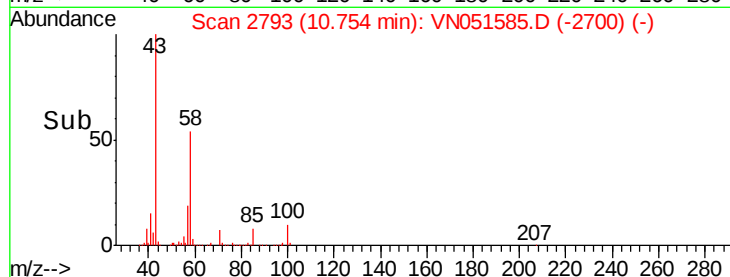
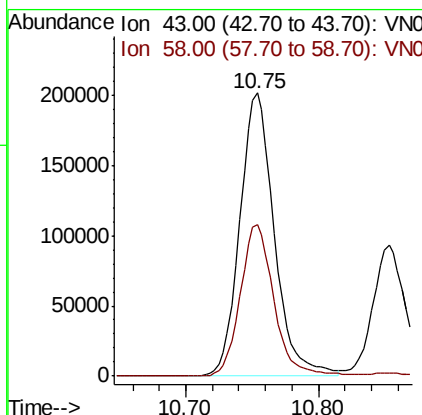
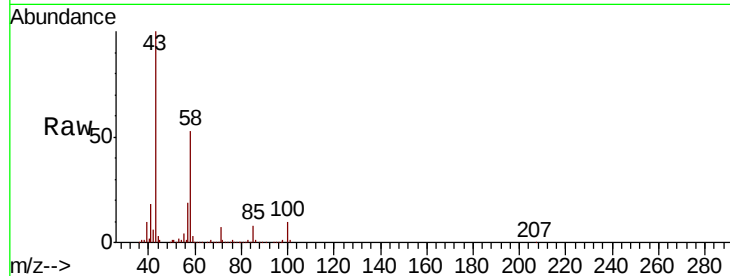
#59
2-Hexanone
Concen: 113.319 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS03

Tot Ion: 43 Resp: 361932
Ion Ratio Lower Upper
43 100
58 52.5 27.7 83.0

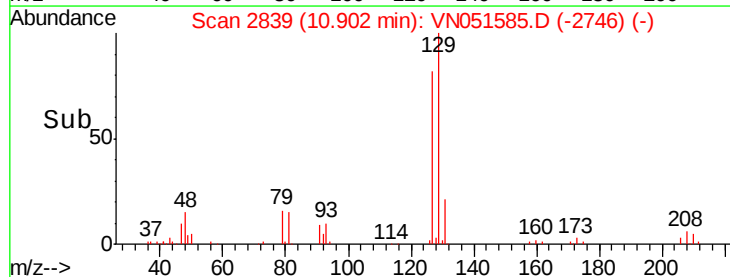
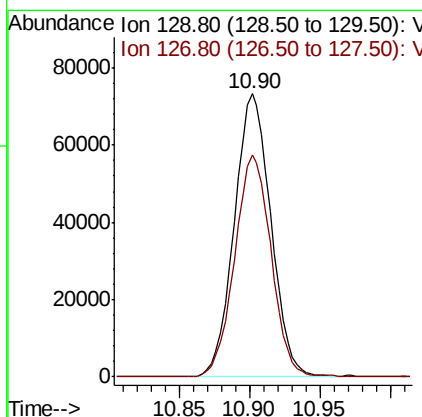
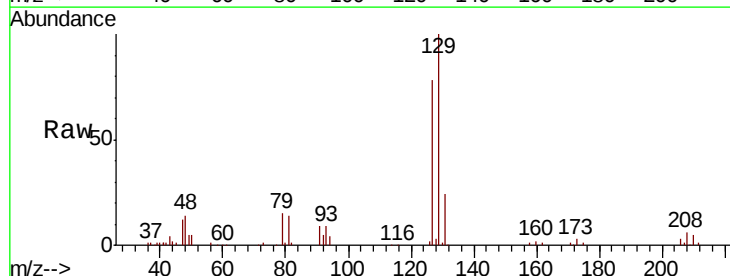
Manual Integrations
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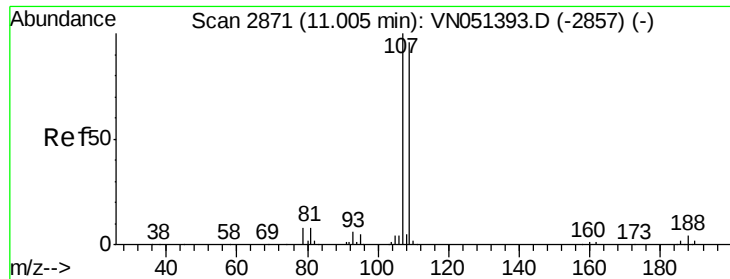
MMDadoda
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#60
Dibromochloromethane
Concen: 20.340 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Tgt Ion: 129 Resp: 133353
Ion Ratio Lower Upper
129 100
127 78.0 38.6 116.0





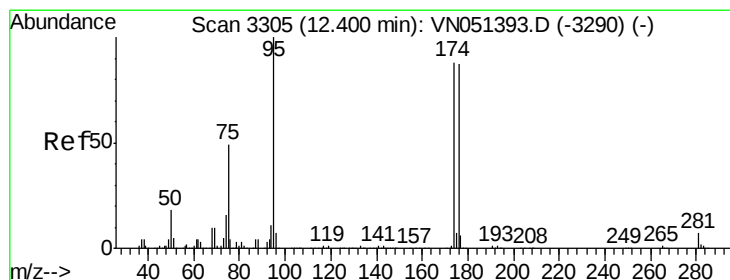
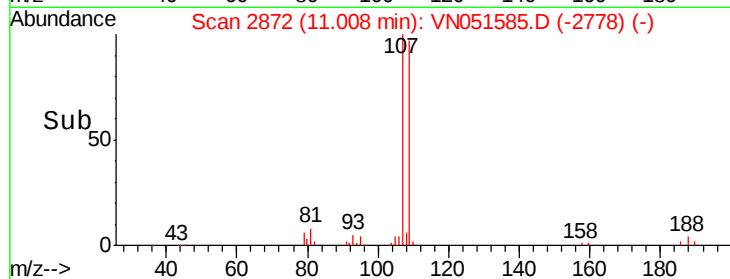
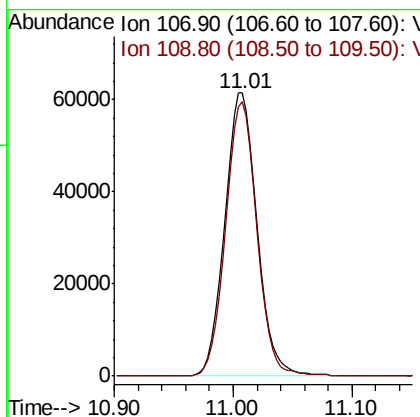
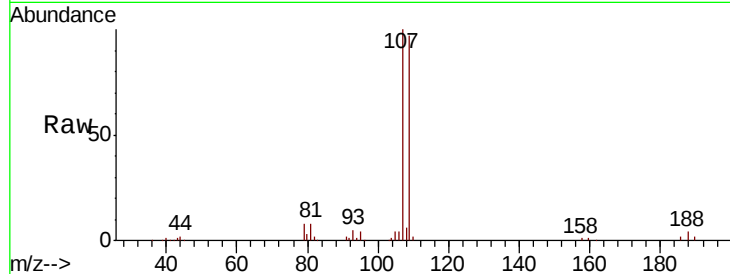
#61
 1,2-Dibromoethane
 Concen: 21.339 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS03

Tot Ion	Ratio	Resp	Lower	Upper
107	100	115112		
109	94.3	76.3	114.5	

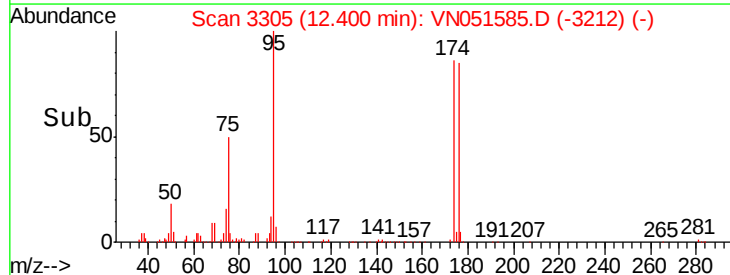
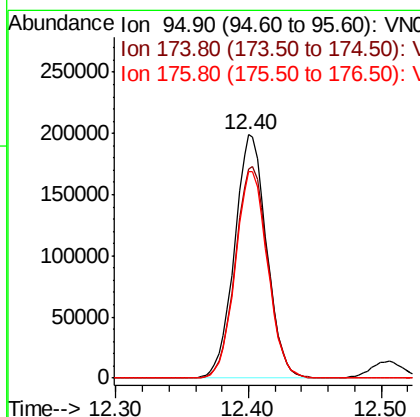
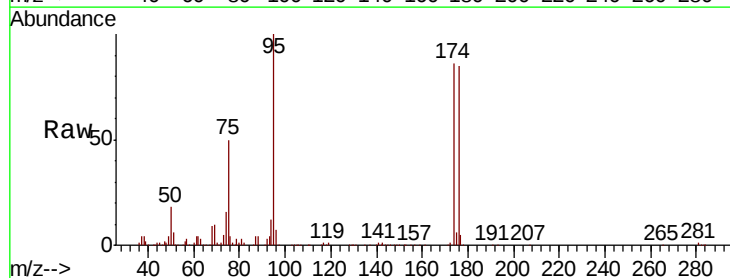
Manual Integrations
 APPROVED

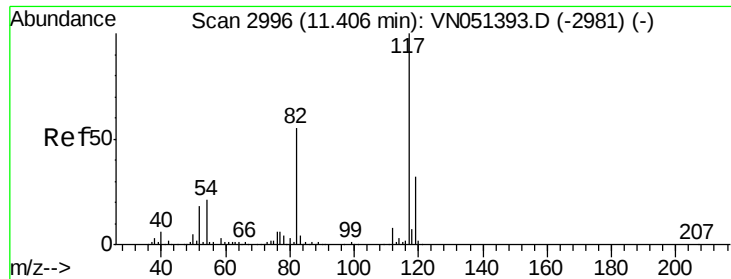
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#62
 4-Bromofluorobenzene
 Concen: 46.021 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	333576		
174	88.6	0.0	181.6	
176	85.7	0.0	176.4	





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

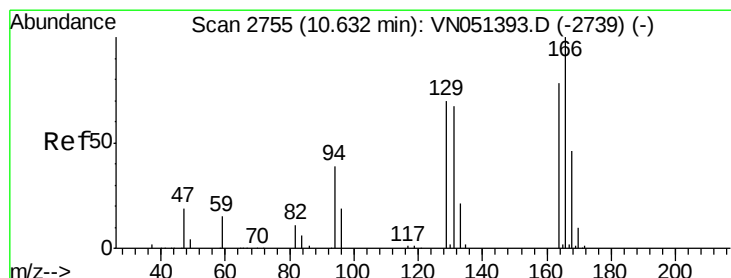
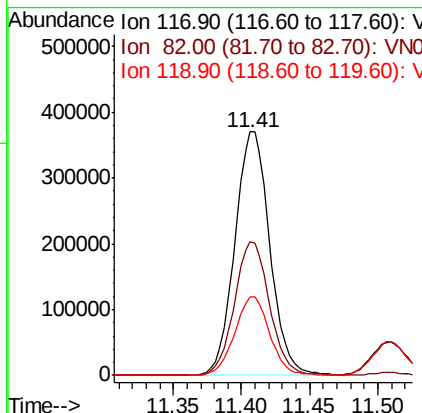
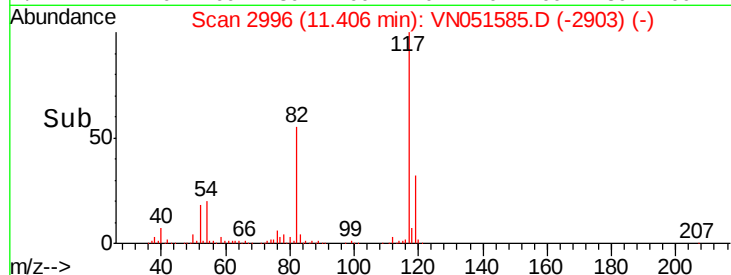
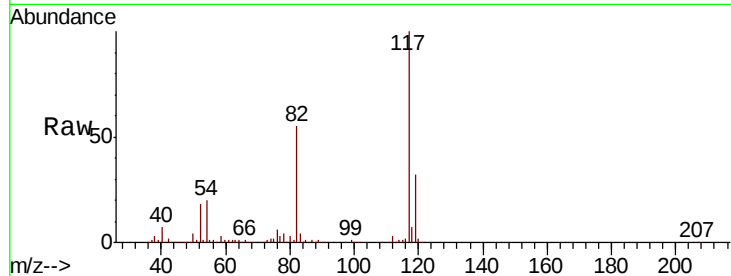
ClientSampled :

VN0927WBS03

Tot Ion:	117	Resp:	659366
Ion Ratio	Lower	Upper	
117	100		
82	55.0	44.2	66.2
119	32.2	25.9	38.9

Manual Integrations
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#64

Tetrachloroethene

Concen: 22.456 ug/l

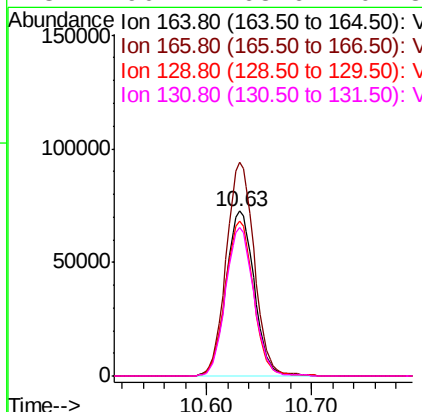
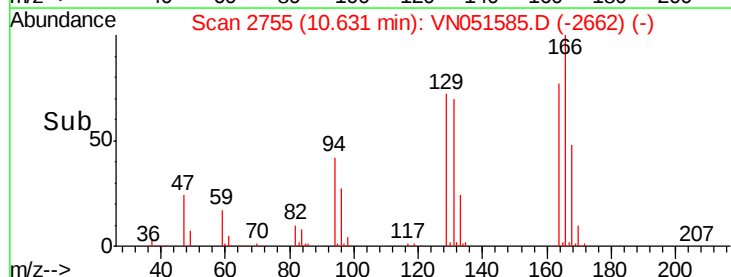
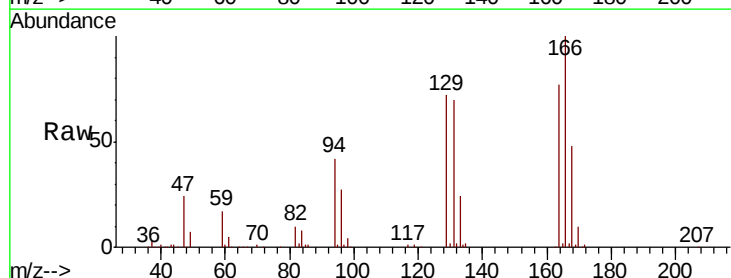
RT: 10.63 min Scan# 2755

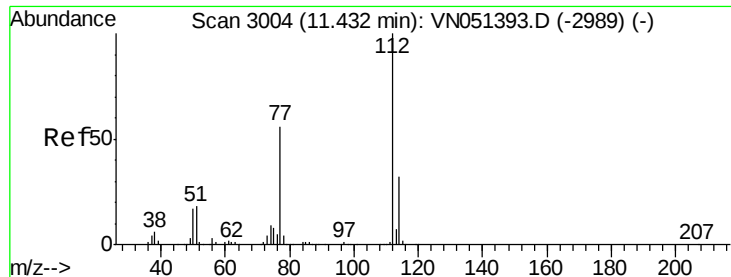
Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Tgt Ion:	164	Resp:	134376
Ion Ratio	Lower	Upper	
164	100		
166	129.8	102.3	153.5
129	93.9	71.8	107.8
131	90.2	68.6	102.8





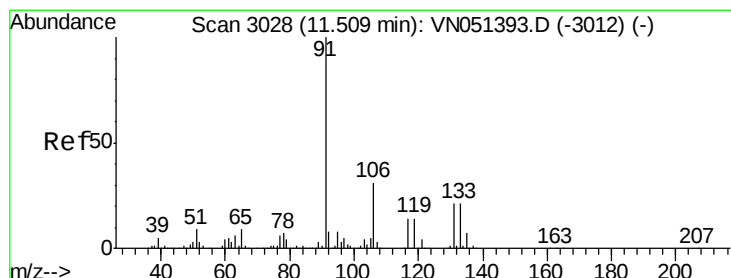
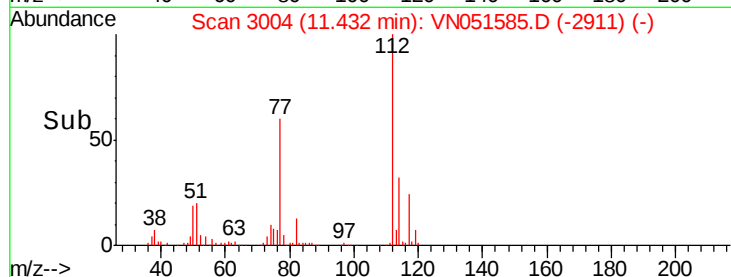
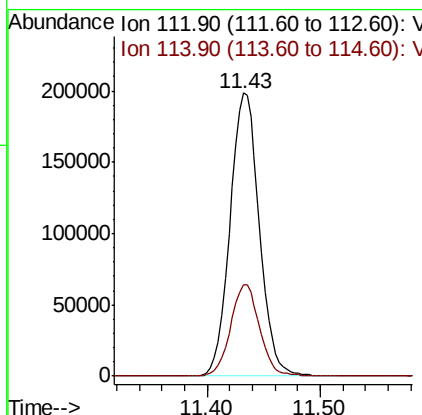
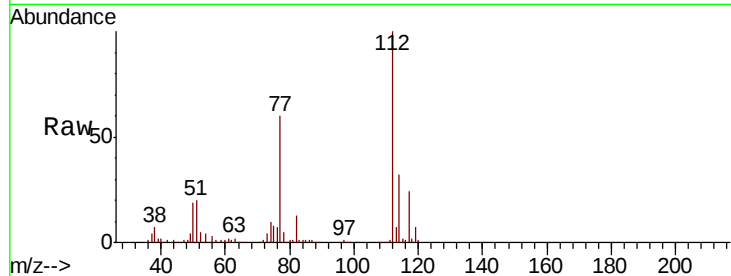
#65
Chlorobenzene
Concen: 21.097 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Instrument :
MSVOA_N
ClientSampled :
VN0927WBS03

Tot Ion:112 Resp: 356898
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2

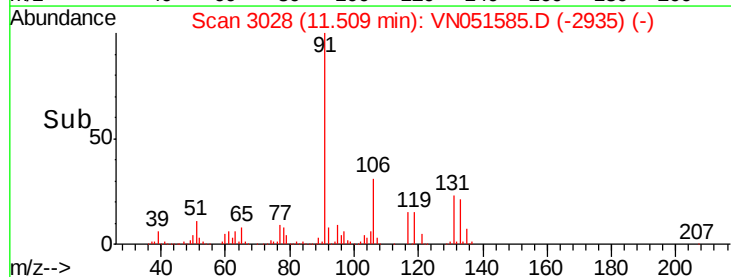
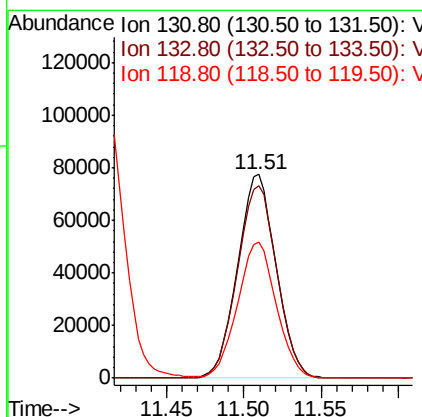
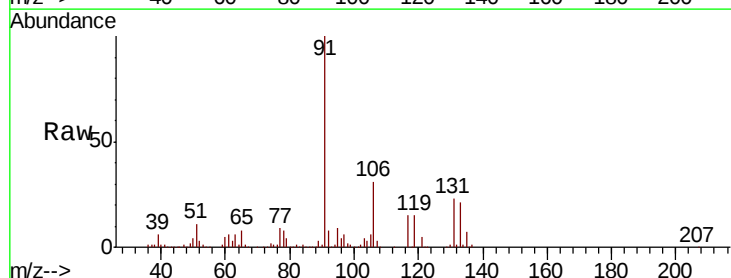
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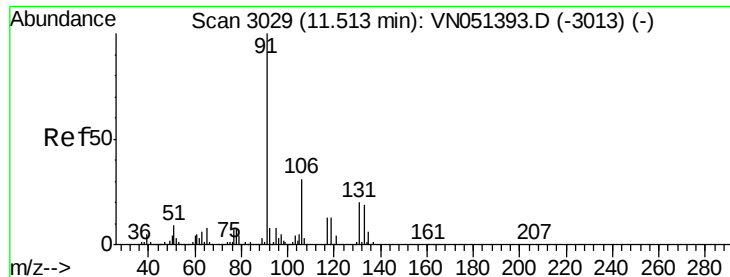
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.805 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Tgt Ion:131 Resp: 134096
Ion Ratio Lower Upper
131 100
133 97.1 48.3 144.8
119 67.1 32.8 98.4





#67

Ethyl Benzene

Concen: 20.591 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS03

Tot Ion: 91 Resp: 587057

Ion Ratio Lower Upper

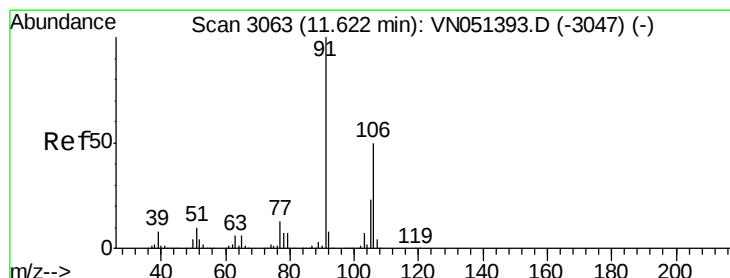
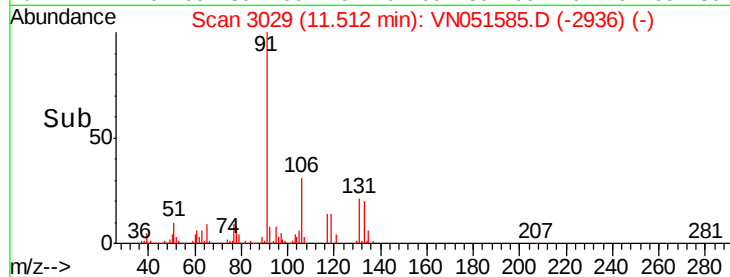
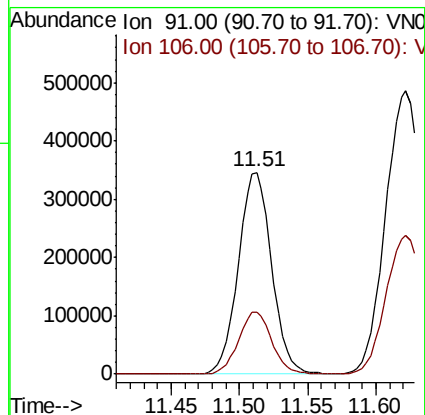
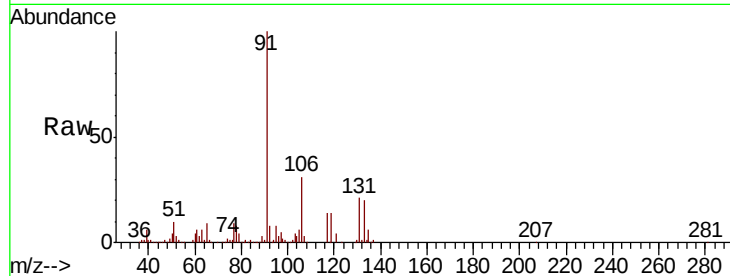
91 100

106 31.0 25.0 37.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 41.846 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051585.D

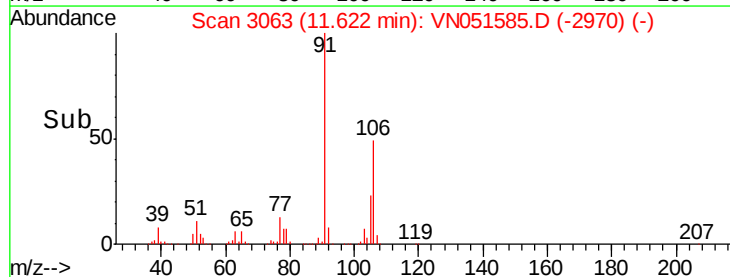
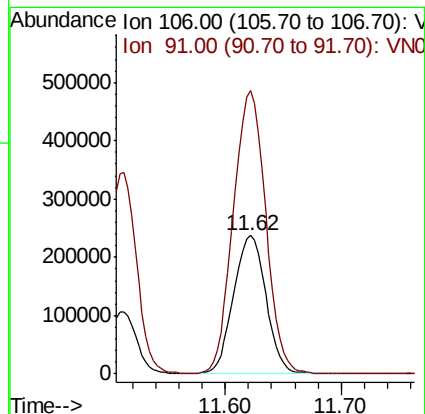
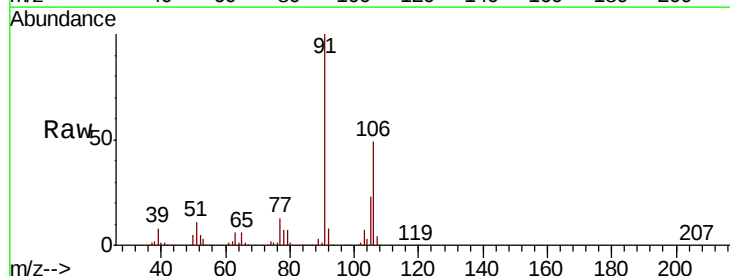
Acq: 27 Sep 2018 16:26

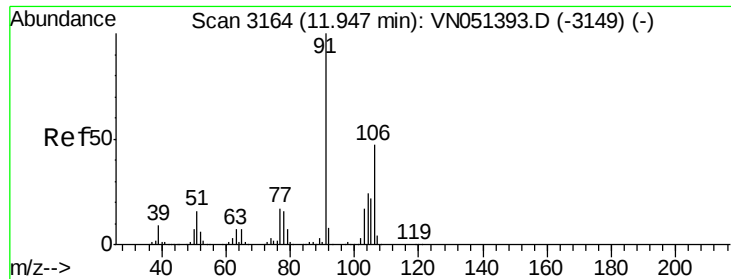
Tgt Ion: 106 Resp: 461475

Ion Ratio Lower Upper

106 100

91 203.8 161.3 241.9





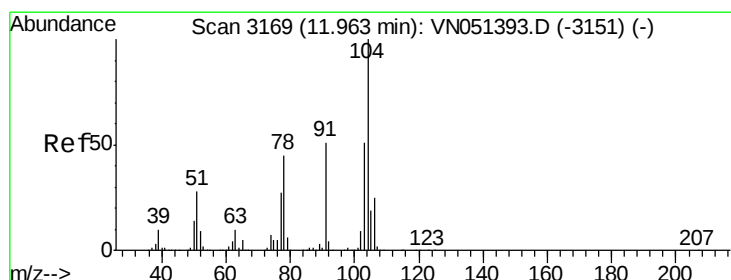
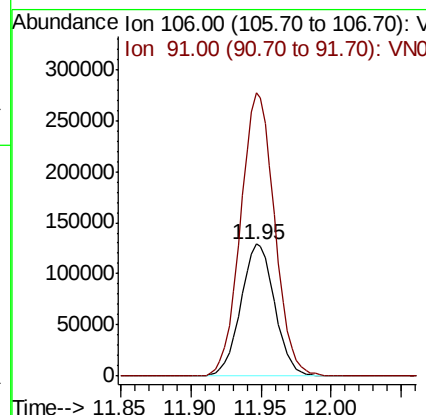
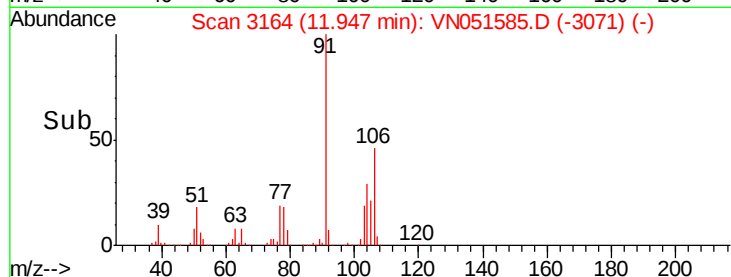
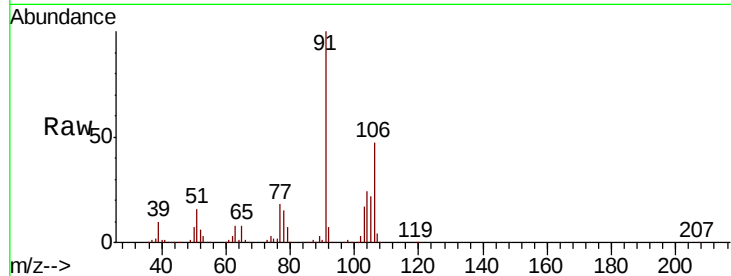
#69
o-Xylene
Concen: 20.499 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		217320		
91	215.4	105.3	315.9		

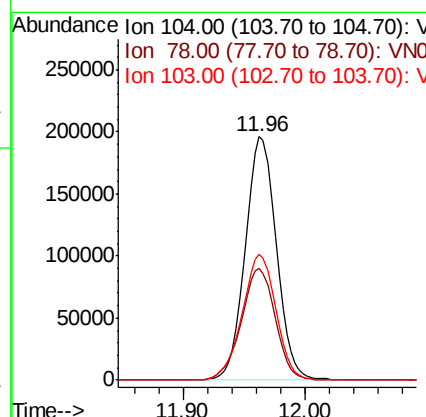
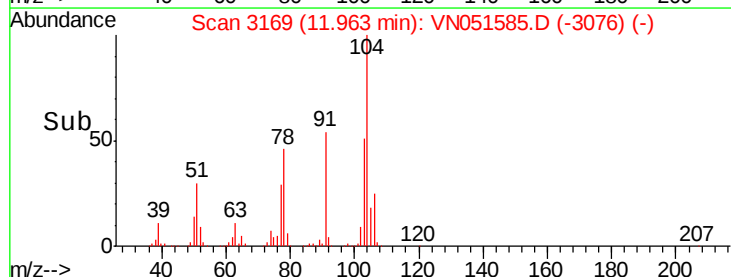
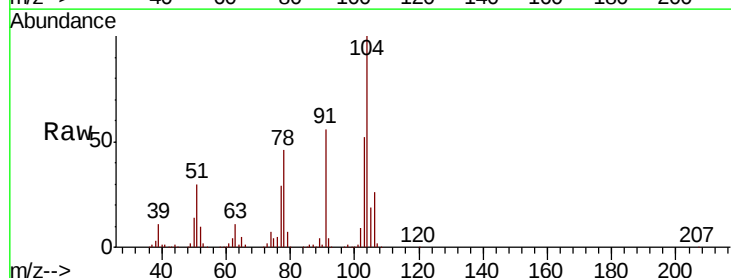
Manual Integrations
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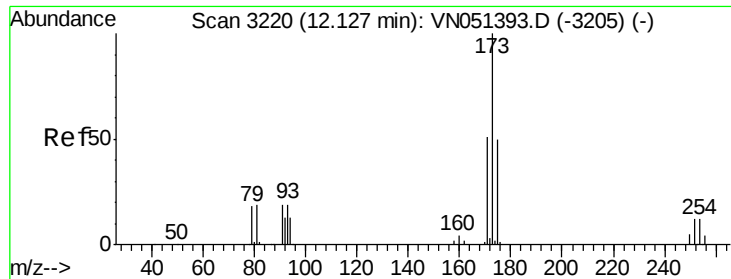
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#70
Styrene
Concen: 20.515 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		344638		
78	50.2	39.9	59.9		
103	56.1	44.6	66.8		





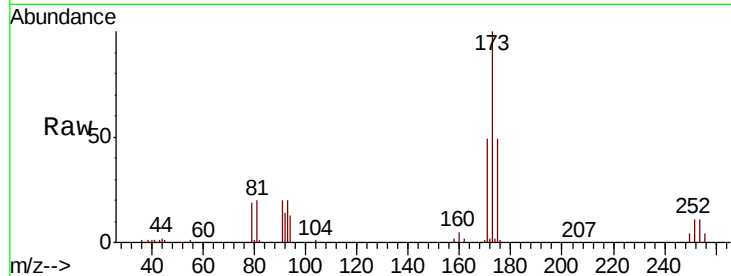
#71
Bromoform
Concen: 20.386 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS03

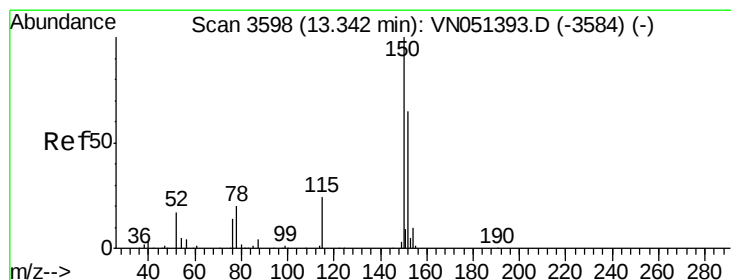
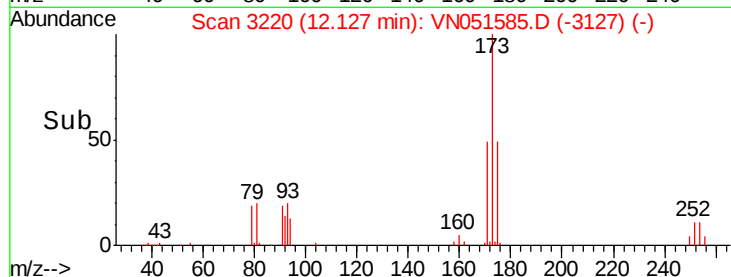
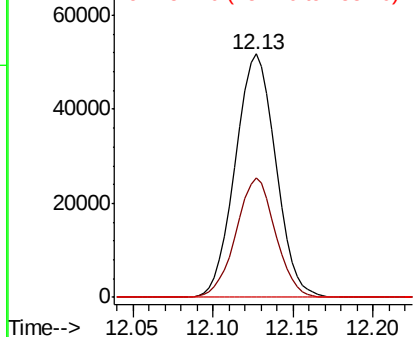
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.8	74.3
254	0.0	0.2	0.2

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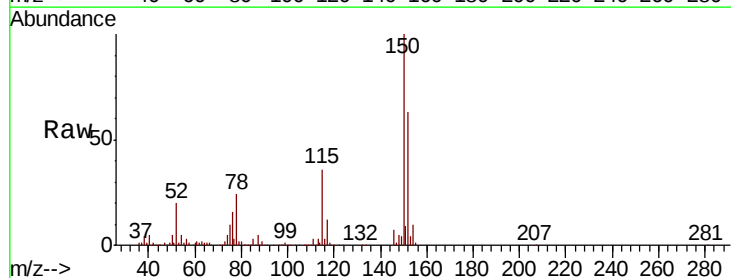


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

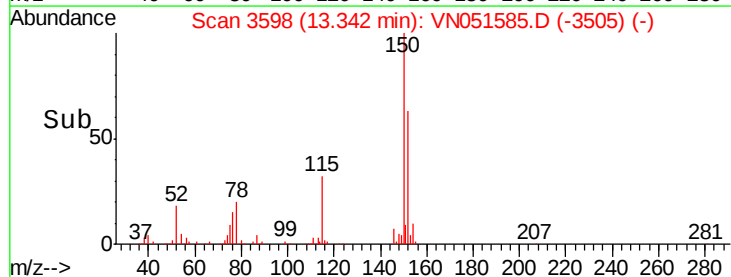
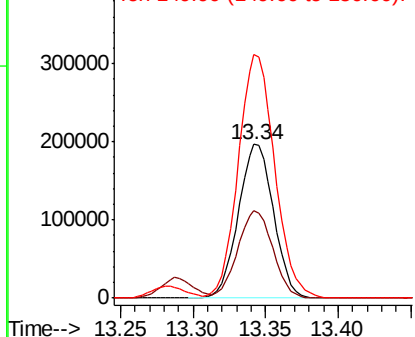


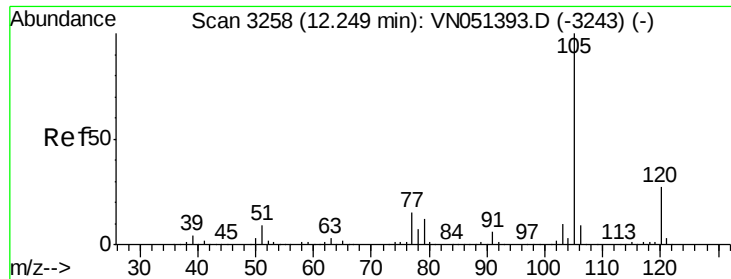
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.3	84.9
150	164.2	0.0	353.6



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





#73

Isopropylbenzene

Concen: 20.641 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS03

Tot Ion:105 Resp: 577362

Ion Ratio Lower Upper

105 100

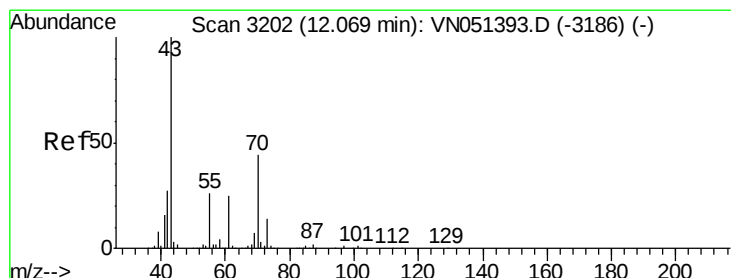
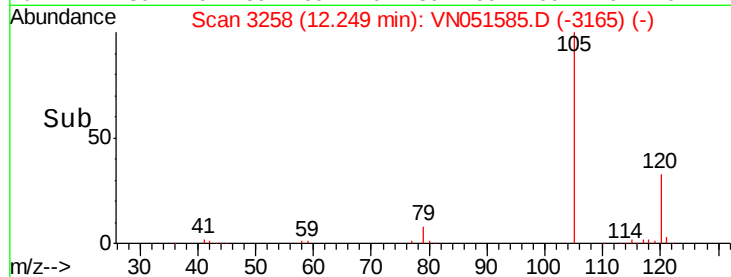
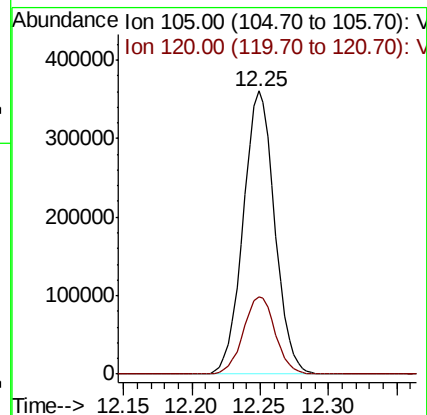
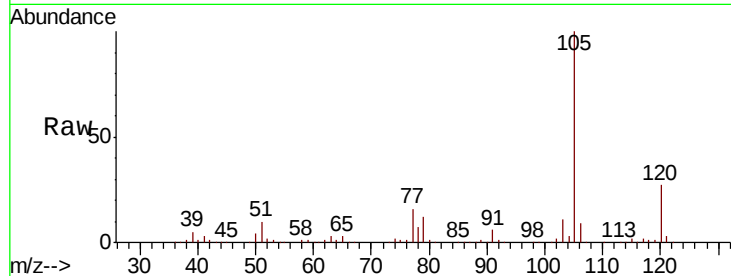
120 27.6 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.899 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Tgt Ion: 43 Resp: 153688

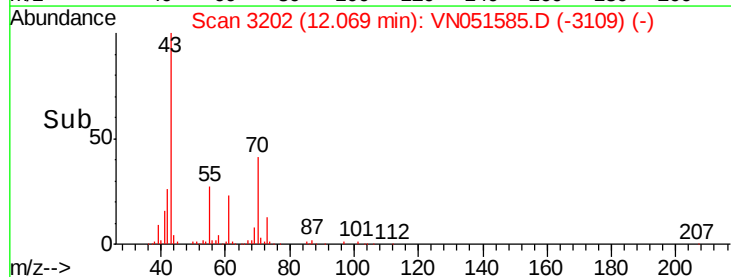
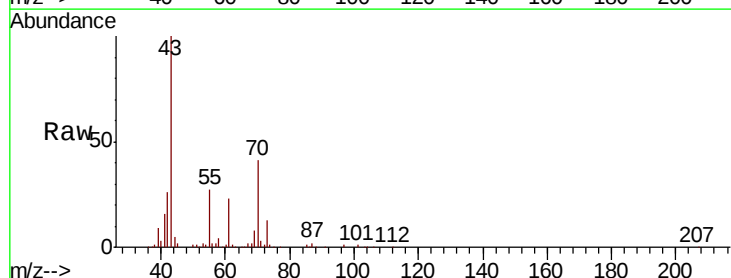
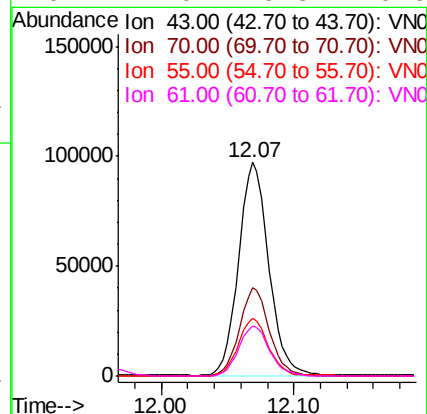
Ion Ratio Lower Upper

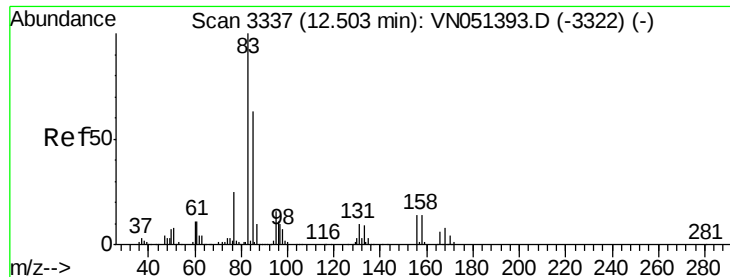
43 100

70 40.7 35.0 52.4

55 26.9 21.4 32.2

61 24.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.932 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

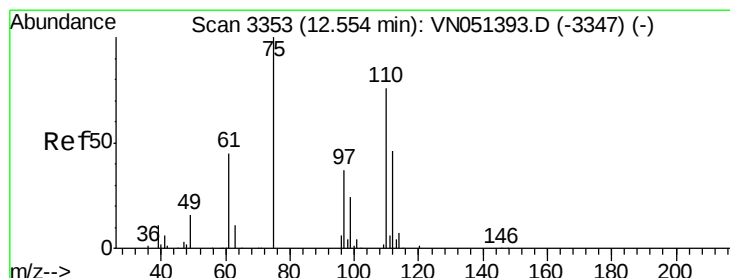
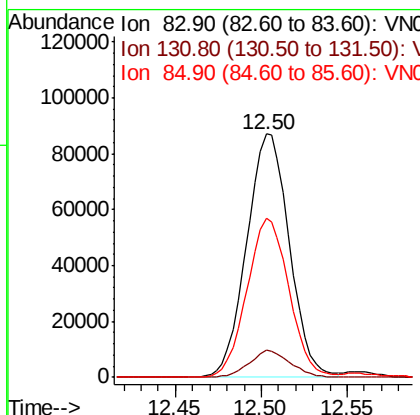
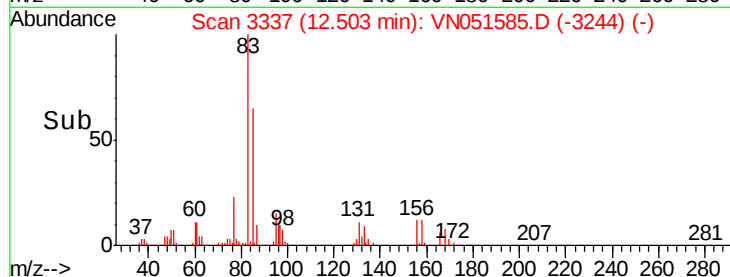
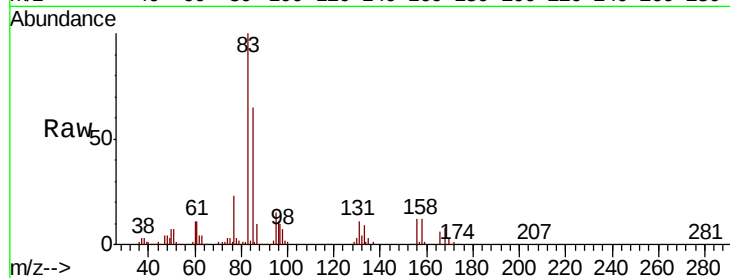
ClientSampleId :

VN0927WBS03

Tot Ion:	83	Resp:	149574
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.9
85	64.5	31.6	95.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.114 ug/l m

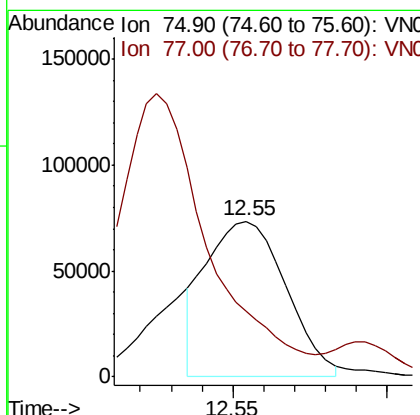
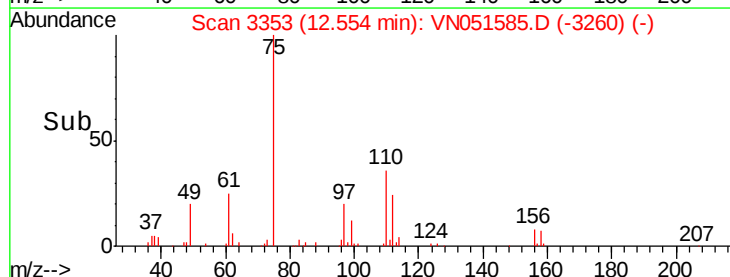
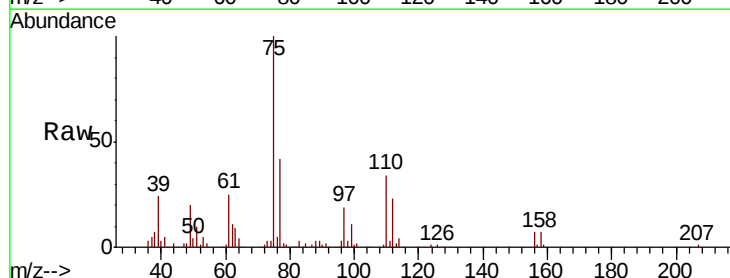
RT: 12.55 min Scan# 3353

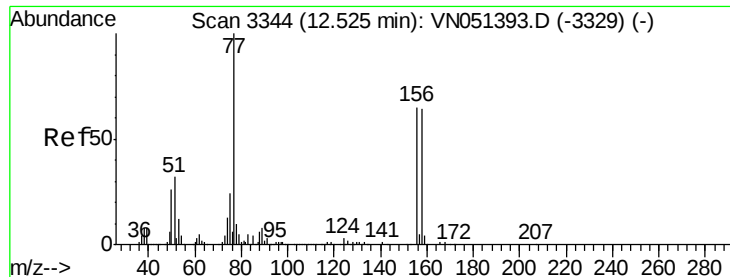
Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Tgt Ion:	75	Resp:	132708
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.867 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

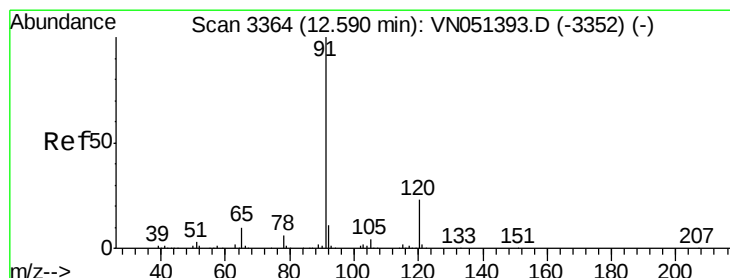
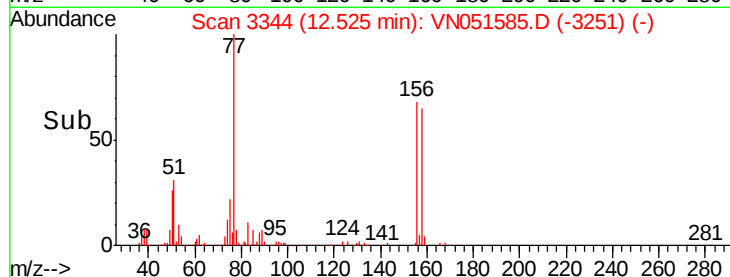
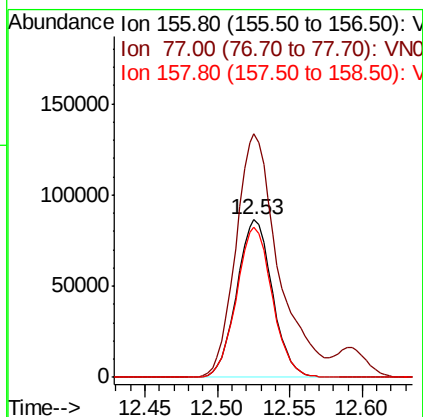
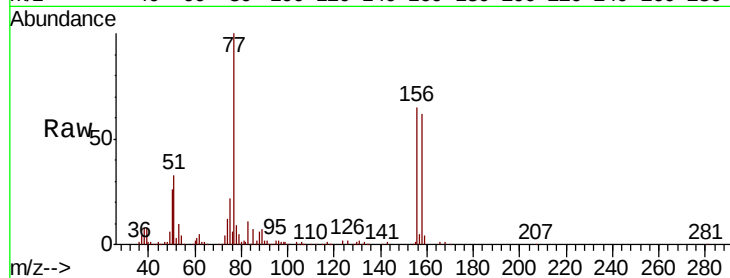
ClientSampleId :

VN0927WBS03

Tot Ion:	156	Resp:	147756
Ion Ratio	Lower	Upper	
156	100		
77	185.5	89.5	268.4
158	95.6	49.4	148.2

Manual Integrations
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#78

n-propylbenzene

Concen: 21.445 ug/l

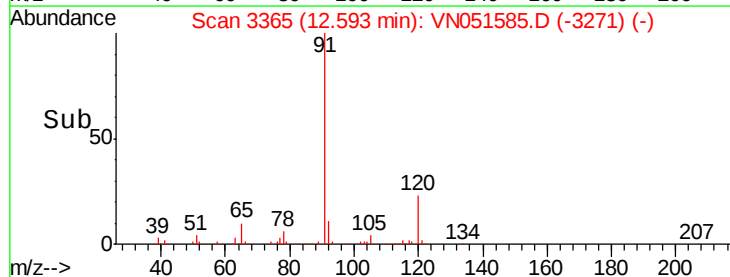
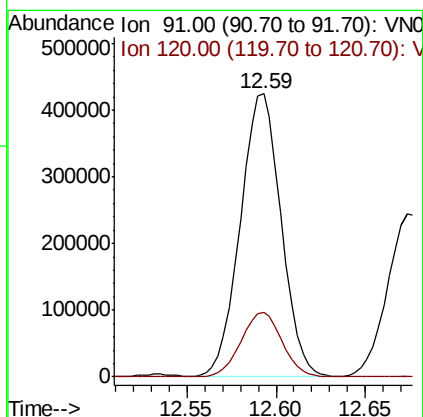
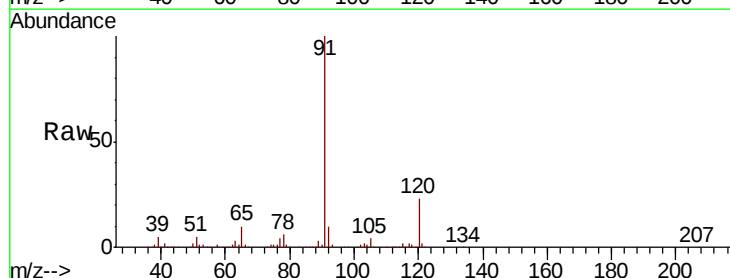
RT: 12.59 min Scan# 3365

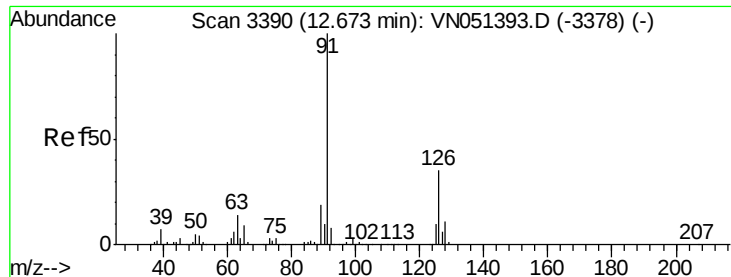
Delta R.T. 0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Tgt Ion:	91	Resp:	676041
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.9	35.5





#79

2-Chlorotoluene

Concen: 21.878 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

ClientSampled :

VN0927WBS03

Tot Ion: 91 Resp: 412838

Ion Ratio Lower Upper

91 100

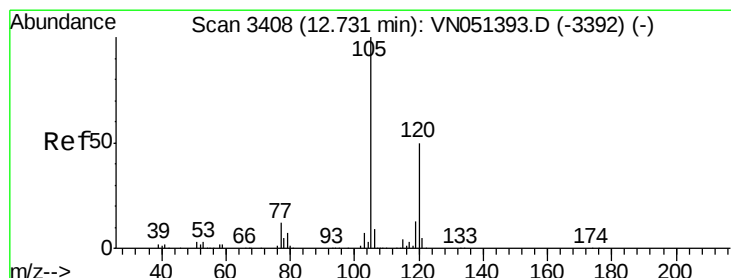
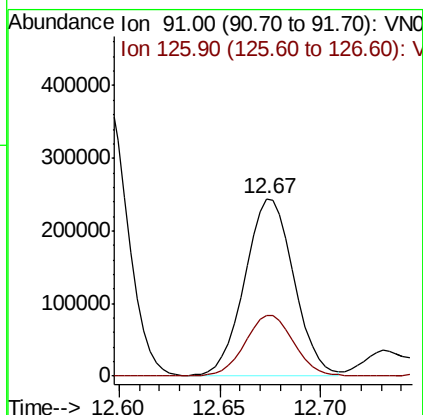
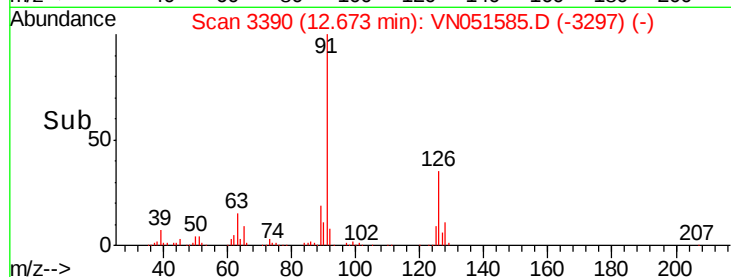
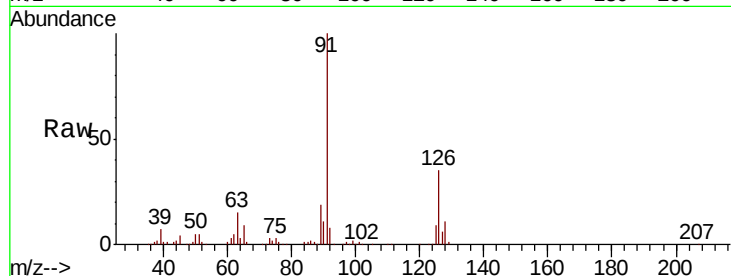
126 34.3 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.496 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051585.D

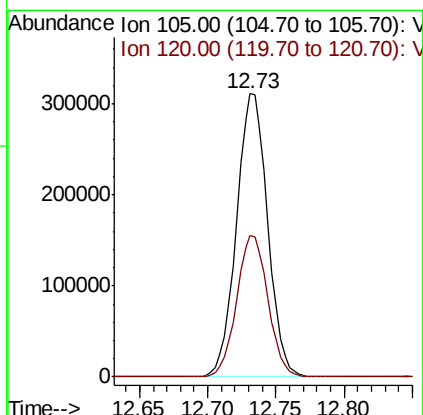
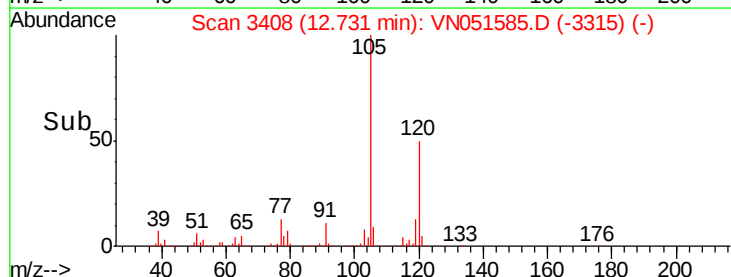
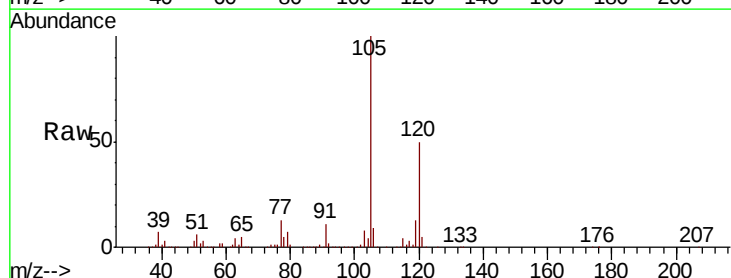
Acq: 27 Sep 2018 16:26

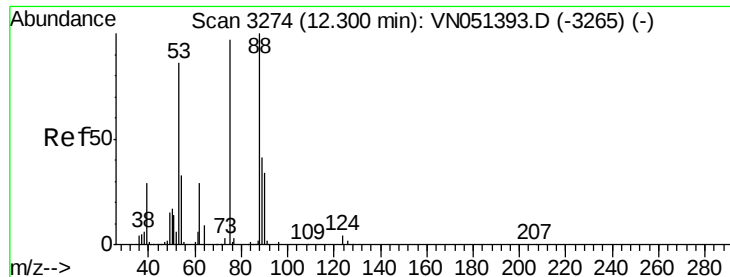
Tgt Ion: 105 Resp: 490282

Ion Ratio Lower Upper

105 100

120 50.4 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 21.496 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

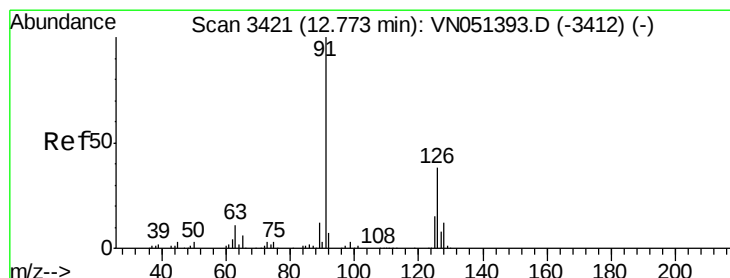
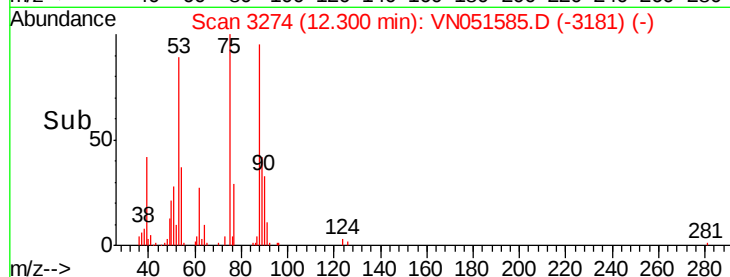
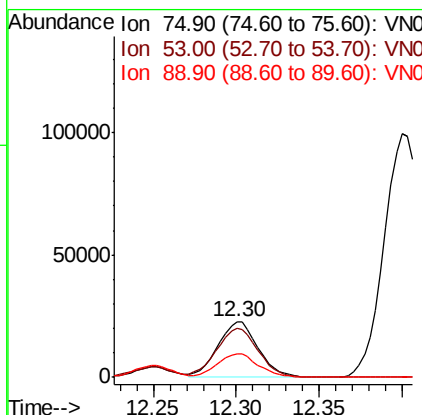
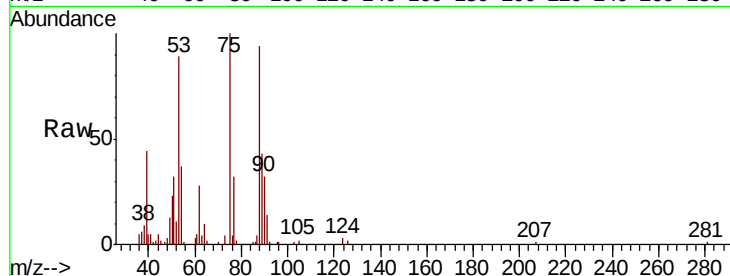
ClientSampleId :

VN0927WBS03

Tot Ion:	75	Resp:	38472
Ion	Ratio	Lower	Upper
75	100		
53	92.3	73.9	110.9
89	43.8	36.7	55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.628 ug/l

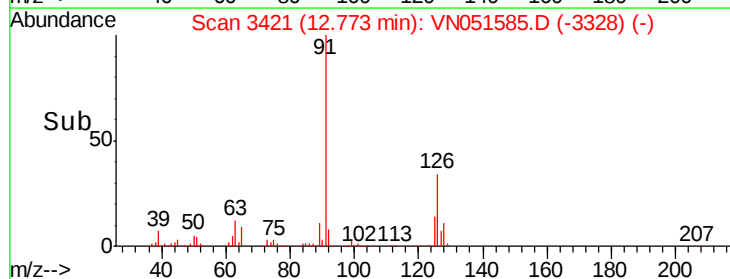
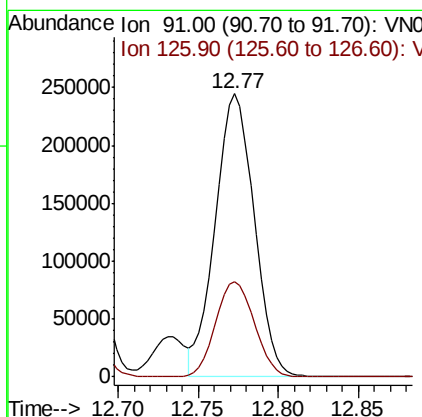
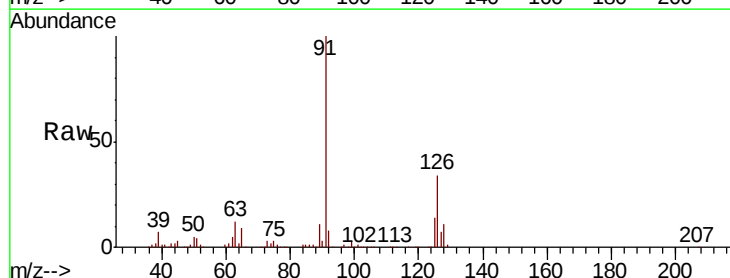
RT: 12.77 min Scan# 3421

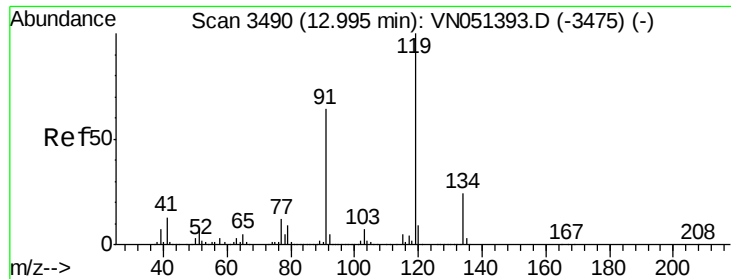
Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Tgt Ion:	91	Resp:	407346
Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.5	52.5





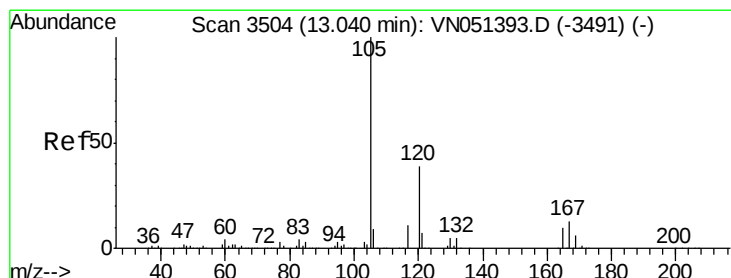
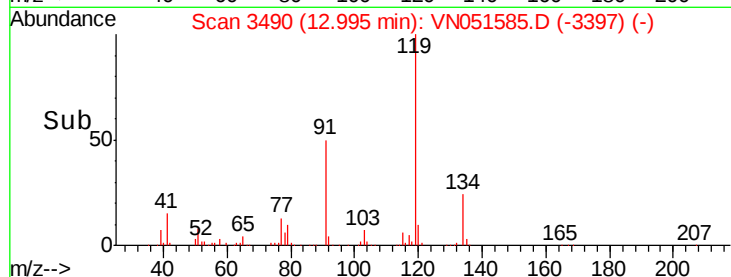
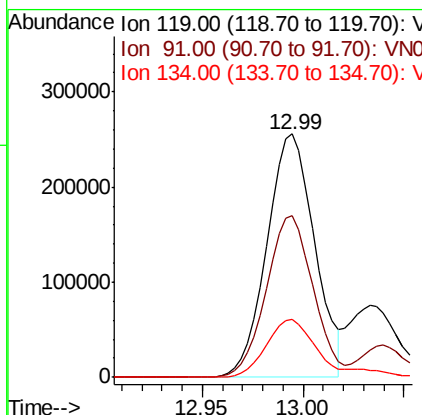
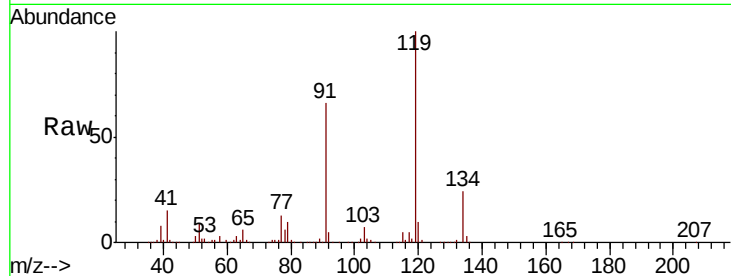
#83
tert-Butylbenzene
Concen: 20.691 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	420042		
91	65.2	31.7	95.1	
134	26.7	12.3	36.9	

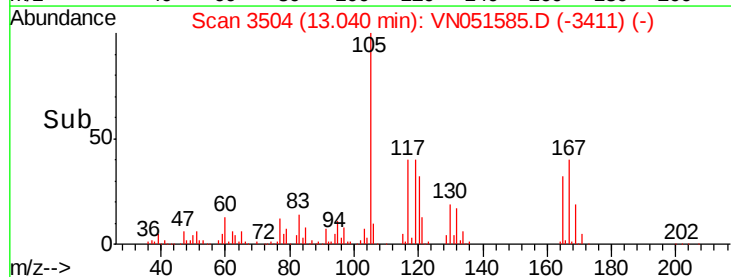
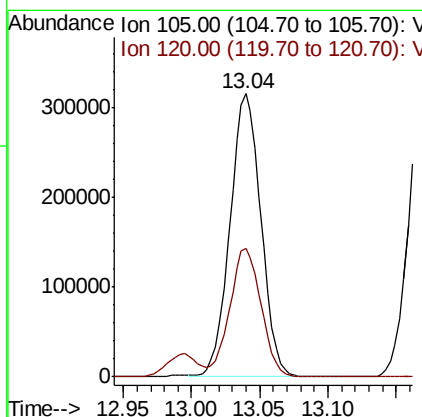
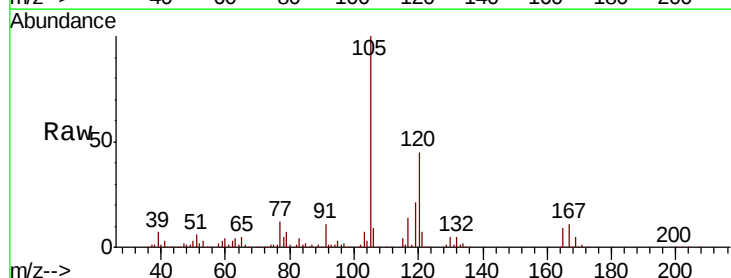
Manual Integrations
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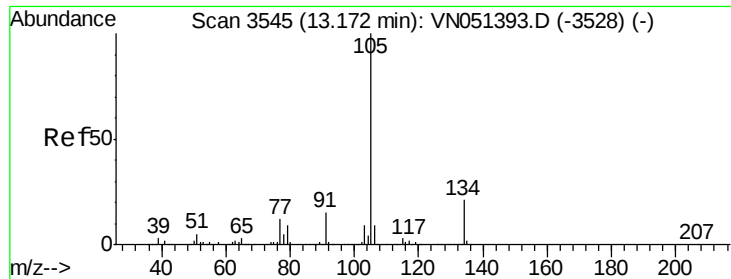
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#84
1,2,4-Trimethylbenzene
Concen: 21.490 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	493894		
120	46.3	22.9	68.7	





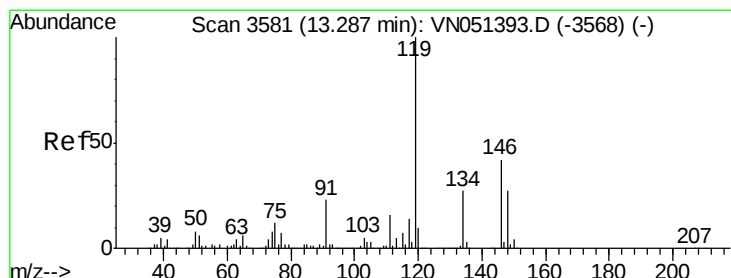
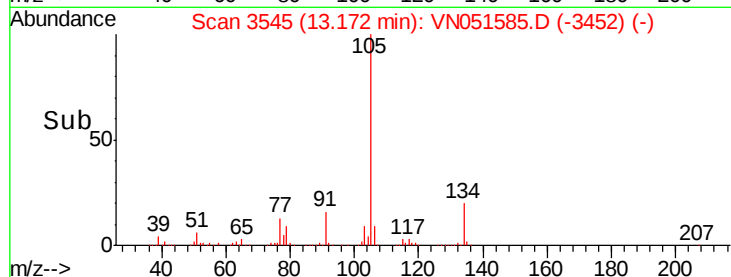
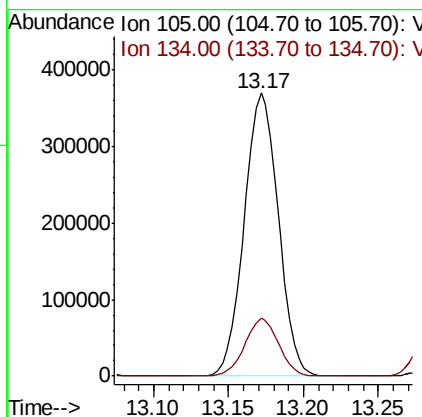
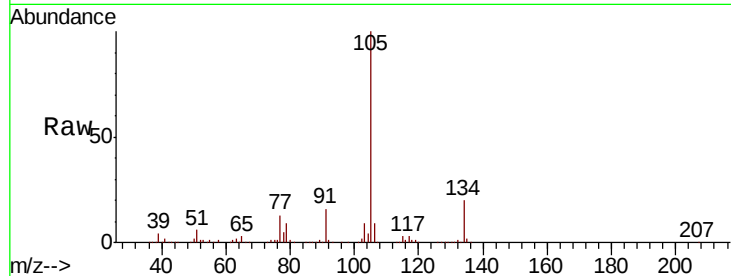
#85
 sec-Butylbenzene
 Concen: 21.344 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS03

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.4	31.1

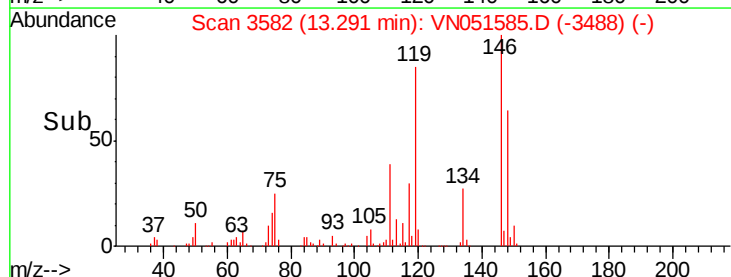
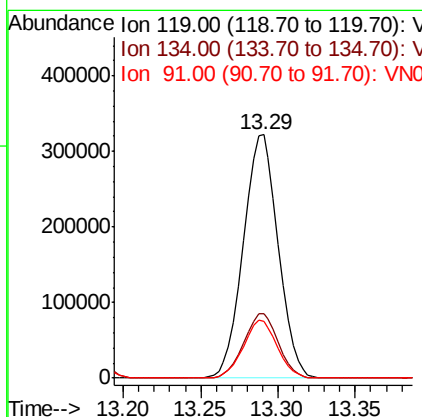
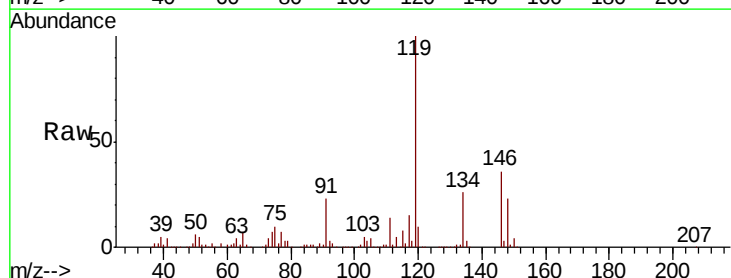
Manual Integrations
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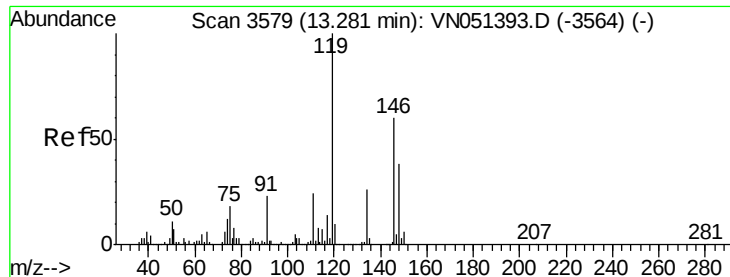
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#86
 p-Isopropyltoluene
 Concen: 21.182 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.3	39.9
91	23.1	11.4	34.2





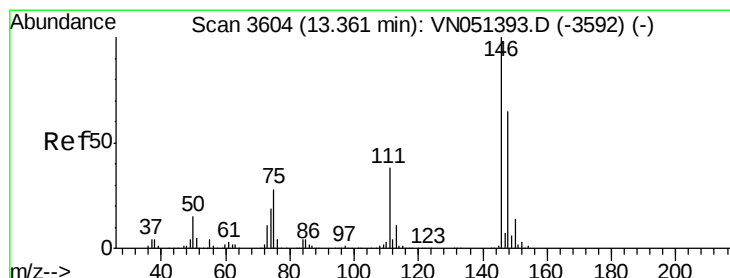
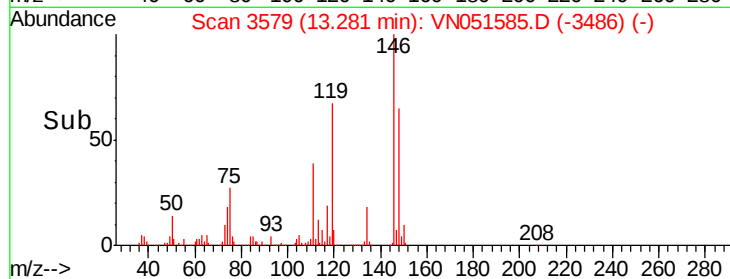
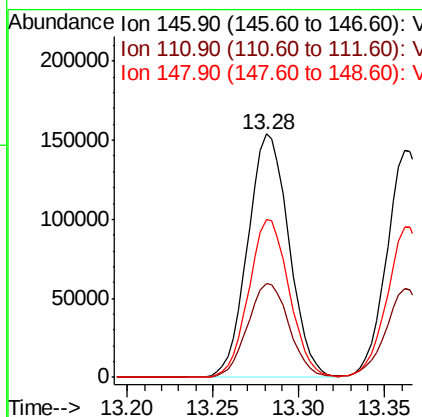
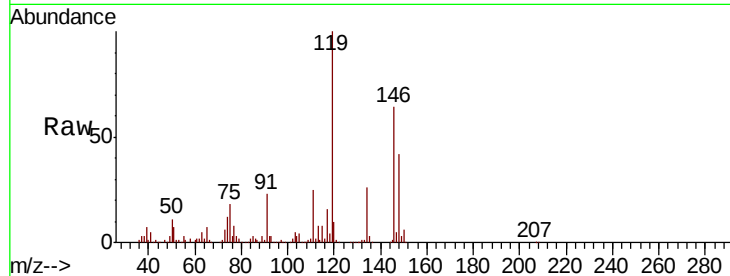
#87
 1,3-Dichlorobenzene
 Concen: 20.892 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0927WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.1
148	63.9	31.9	95.7

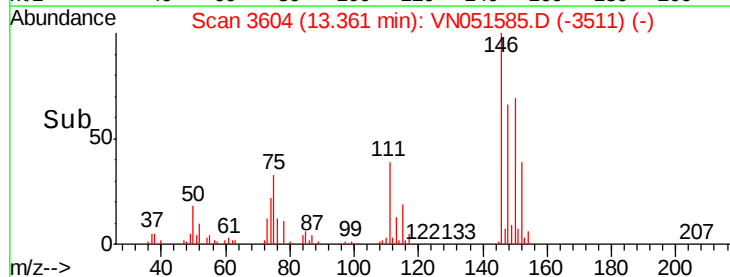
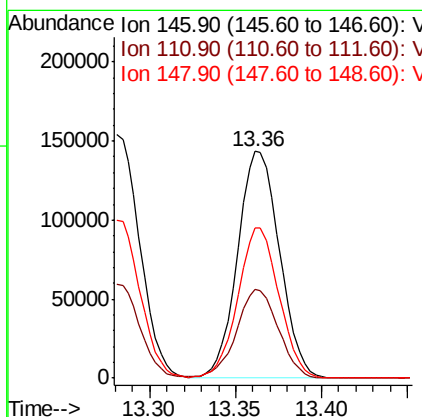
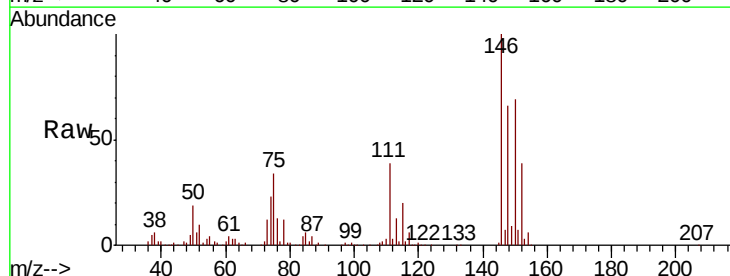
Manual Integrations
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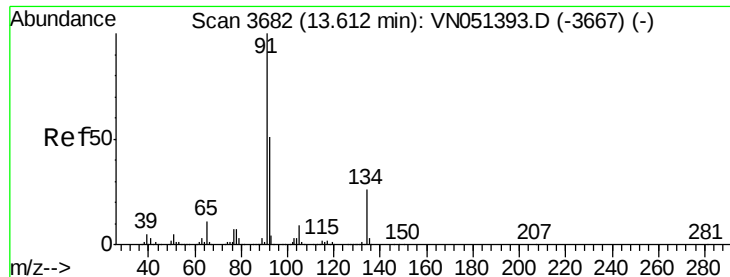
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#88
 1,4-Dichlorobenzene
 Concen: 20.648 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.1	57.1
148	65.0	32.5	97.5





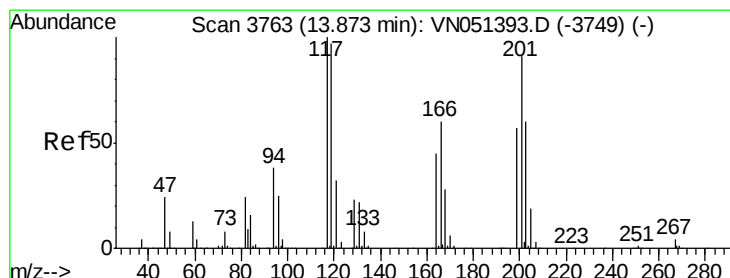
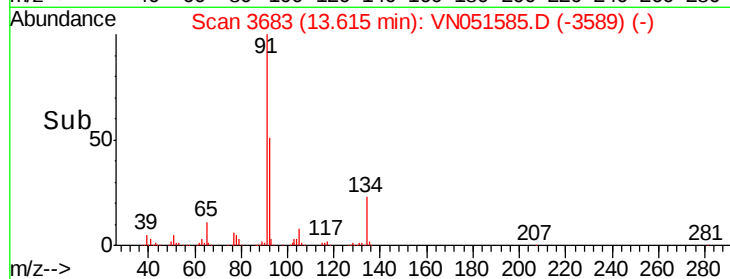
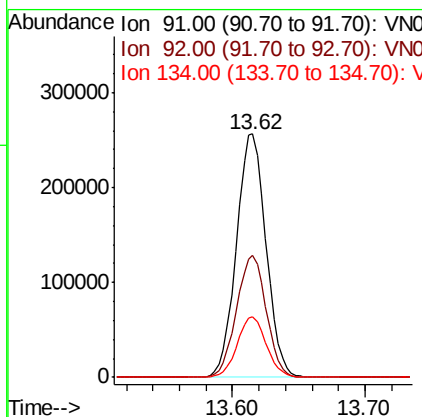
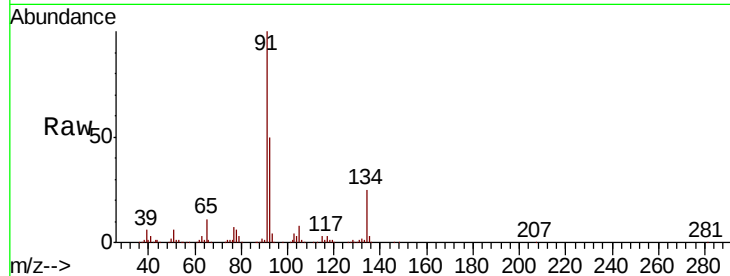
#89
n-Butylbenzene
Concen: 20.332 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	25.5	76.5
134	24.5	13.3	39.8

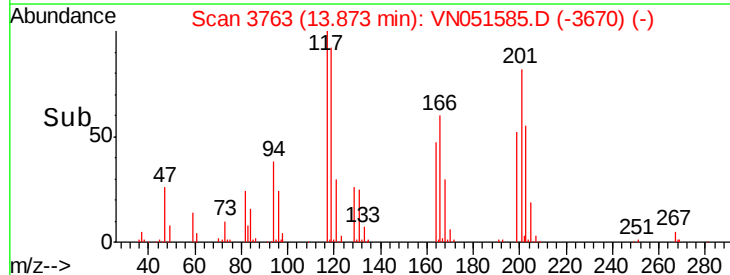
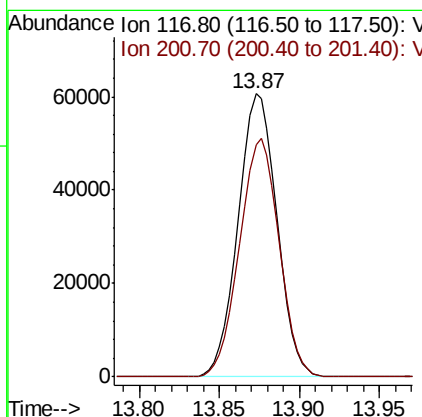
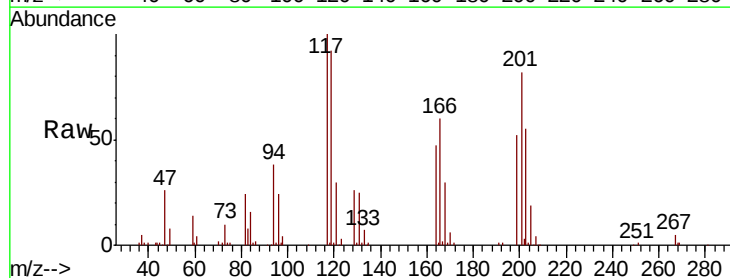
Manual Integrations
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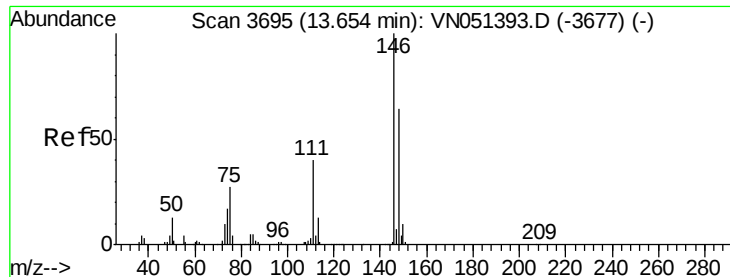
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#90
Hexachloroethane
Concen: 21.165 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051585.D
Acq: 27 Sep 2018 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	45.5	136.4





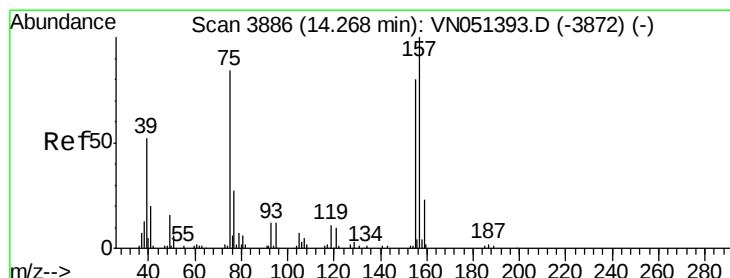
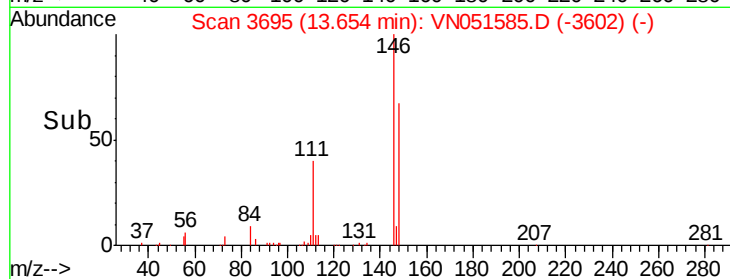
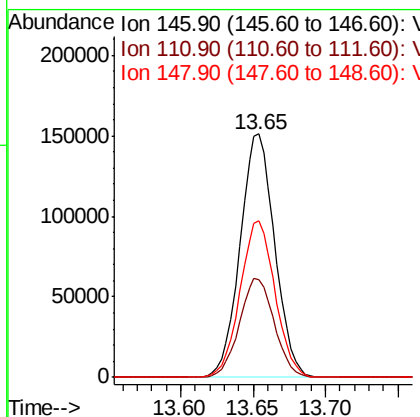
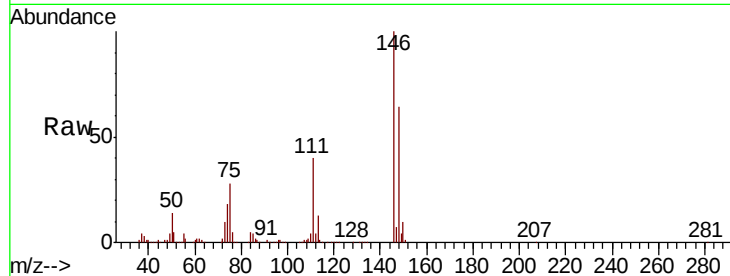
#91
 1,2-Dichlorobenzene
 Concen: 21.117 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.0	60.0
148	64.9	32.1	96.5

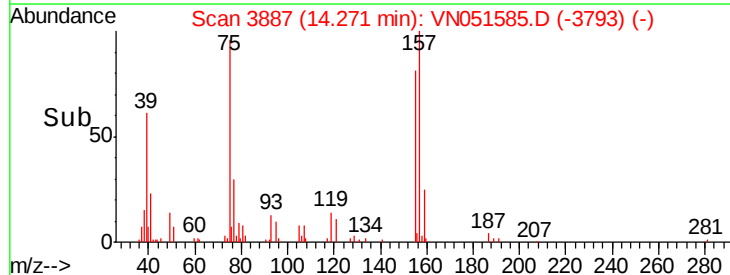
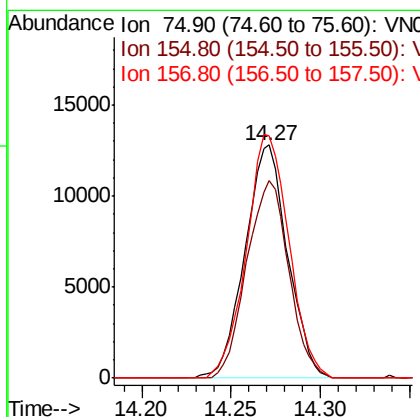
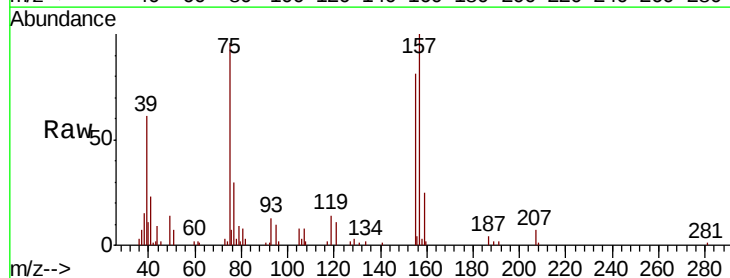
Manual Integrations
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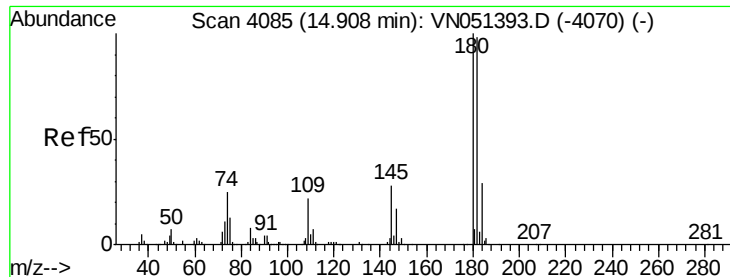
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.980 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	46.9	140.6
157	104.3	58.4	175.1





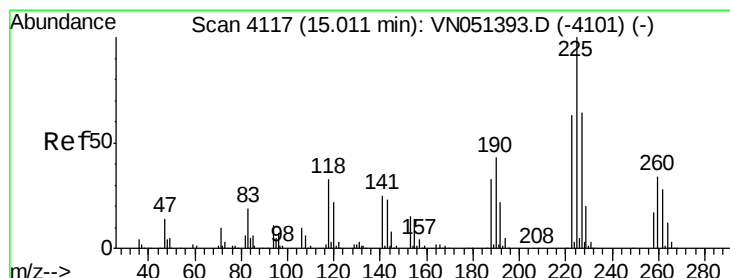
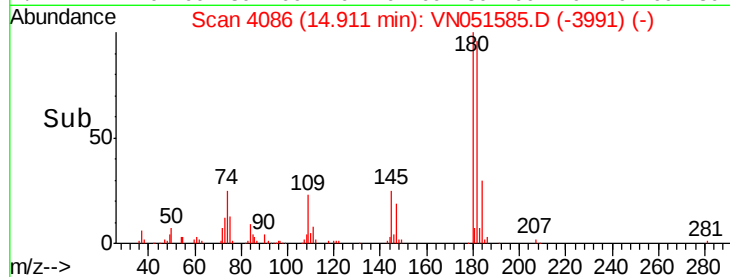
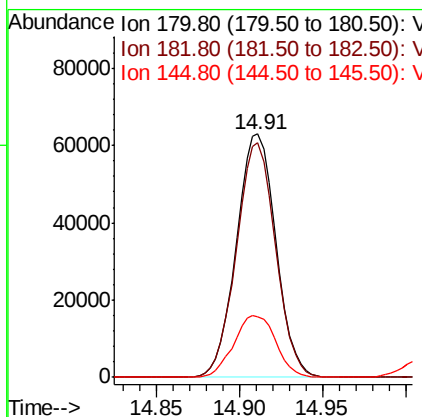
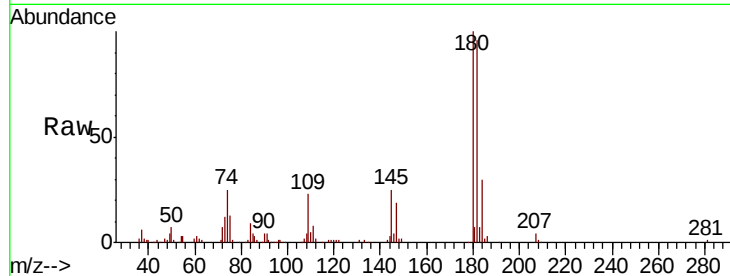
#93
 1,2,4-Trichlorobenzene
 Concen: 20.301 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0927WBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	48.5	145.6	
145	27.1	14.1	42.4	

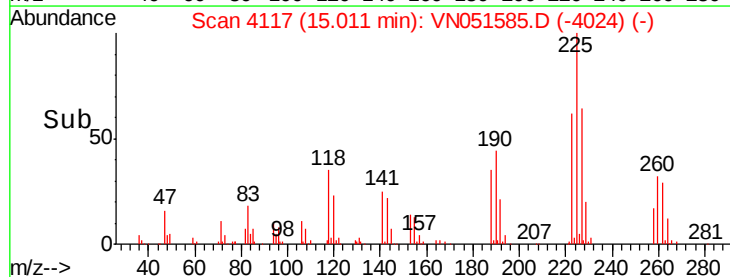
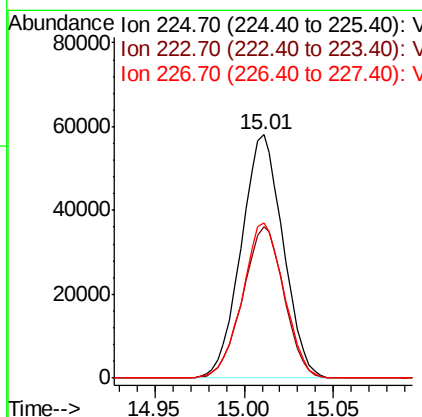
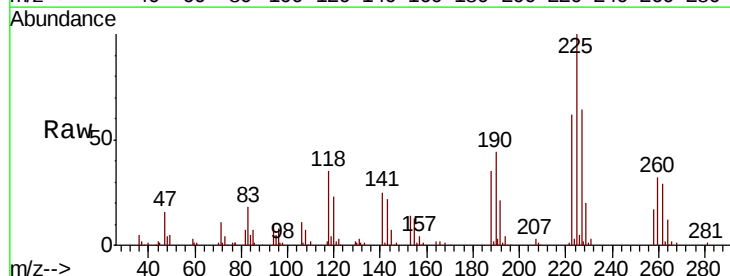
Manual Integrations
 APPROVED

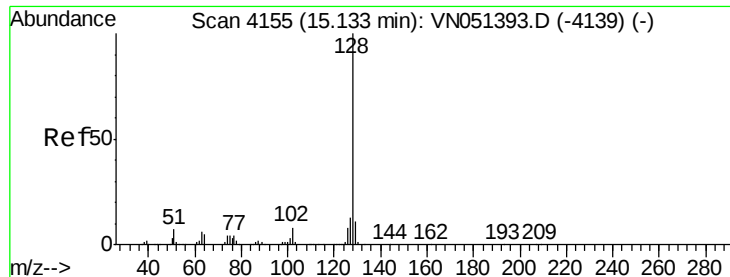
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 21.223 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051585.D
 Acq: 27 Sep 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.4	31.9	95.9	
227	63.1	32.5	97.5	





#95

Naphthalene

Concen: 20.321 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Instrument :

MSVOA_N

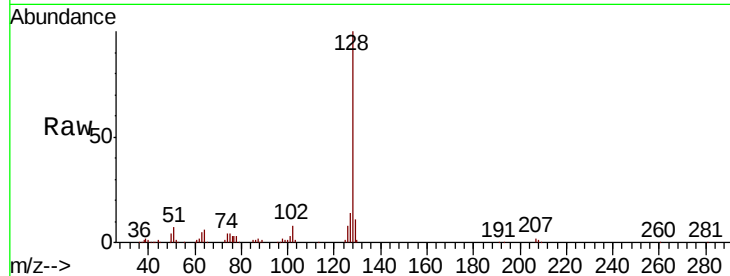
ClientSampleId :

VN0927WBS03

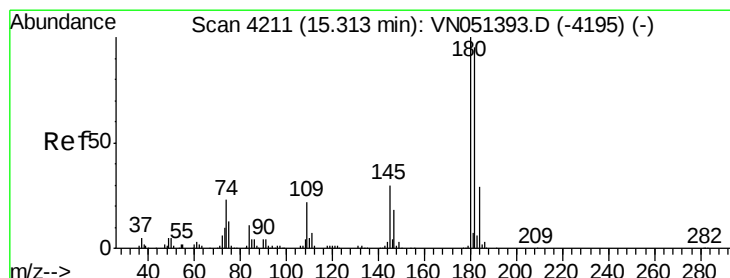
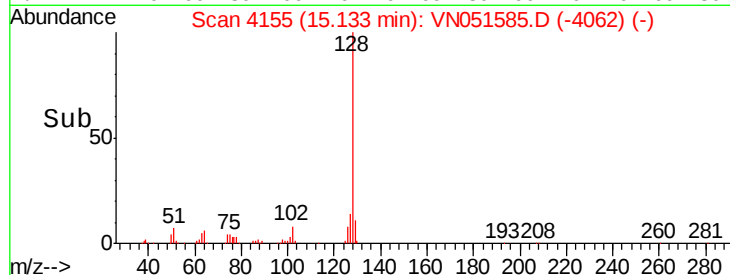
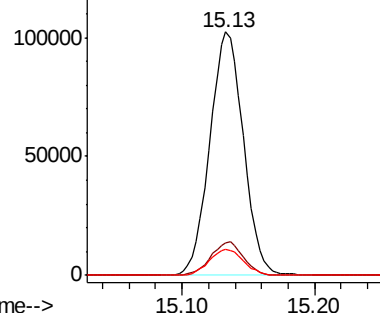
Tot Ion:	128	Resp:	180341
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	10.9	8.6	12.8

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



#96

1,2,3-Trichlorobenzene

Concen: 19.061 ug/l

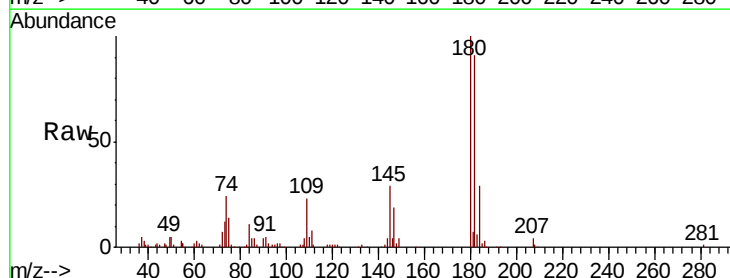
RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051585.D

Acq: 27 Sep 2018 16:26

Tgt Ion:	180	Resp:	108756
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.2	141.6
145	30.1	14.6	43.8



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

