

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051841.D
 Acq On : 12 Oct 2018 19:32
 Operator : MD\SY
 Sample : VN1012WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 11:28:04 AM

Quant Time: Oct 13 02:18:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:51:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	813864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1228576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1070418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	453424	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	377424	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
35) Dibromofluoromethane	7.59	113	372803	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.09	98	1336635	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
62) 4-Bromofluorobenzene	12.40	95	419114	42.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	82680	18.30	ug/l	99
3) Chloromethane	2.06	50	94171	17.21	ug/l	100
4) Vinyl Chloride	2.19	62	137637	16.77	ug/l	98
5) Bromomethane	2.57	94	134193	18.12	ug/l	99
6) Chloroethane	2.71	64	107638	17.86	ug/l	96
7) Trichlorofluoromethane	3.01	101	205065	16.83	ug/l	98
8) Diethyl Ether	3.41	74	61667	18.35	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.76	101	123539	19.01	ug/l	98
10) Methyl Iodide	3.95	142	146622	17.12	ug/l	95
11) Tert butyl alcohol	4.79	59	37065	64.79	ug/l	95
12) 1,1-Dichloroethene	3.74	96	111062	19.01	ug/l	91
13) Acrolein	3.61	56	42752	84.19	ug/l	99
14) Allyl chloride	4.33	41	123341	16.82	ug/l #	72
15) Acrylonitrile	5.00	53	151498	81.35	ug/l	98
16) Acetone	3.82	43	104627	62.37	ug/l	100
17) Carbon Disulfide	4.06	76	256102	16.20	ug/l	98
18) Methyl Acetate	4.33	43	72504	15.72	ug/l #	90
19) Methyl tert-butyl Ether	5.05	73	323182	17.57	ug/l	94
20) Methylene Chloride	4.56	84	128917	18.57	ug/l	88
21) trans-1,2-Dichloroethene	5.05	96	124632	18.17	ug/l	89
22) Diisopropyl ether	5.95	45	292609	18.05	ug/l #	85
23) Vinyl Acetate	5.90	43	986500	83.20	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	206281	18.53	ug/l	97
25) 2-Butanone	6.84	43	160393	67.66	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	179864	15.95	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	149026	18.85	ug/l	88
28) Bromochloromethane	7.20	49	86316	18.48	ug/l #	64
29) Tetrahydrofuran	7.22	42	112252	79.46	ug/l #	83
30) Chloroform	7.37	83	246231	18.50	ug/l	100
31) Cyclohexane	7.66	56	179367	17.74	ug/l #	74
32) 1,1,1-Trichloroethane	7.57	97	227614	18.21	ug/l	97
36) 1,1-Dichloropropene	7.80	75	171824	17.28	ug/l	95
37) Ethyl Acetate	6.94	43	76729	15.03	ug/l #	92
38) Carbon Tetrachloride	7.78	117	205210	17.80	ug/l	97

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MMDadoda
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	210106	17.20	ug/l	89
40) Benzene	8.04	78	523008	18.23	ug/l	100
41) Methacrylonitrile	7.18	41	43995	17.87	ug/l	90
42) 1,2-Dichloroethane	8.13	62	166449	17.70	ug/l	98
43) Isopropyl Acetate	8.17	43	152340	14.55	ug/l #	97
44) Trichloroethene	8.84	130	159814	18.30	ug/l	92
45) 1,2-Dichloropropane	9.12	63	121885	18.07	ug/l	99
46) Dibromomethane	9.21	93	88001	17.00	ug/l	99
47) Bromodichloromethane	9.40	83	177301	17.14	ug/l	99
48) Methyl methacrylate	9.20	41	70205	15.43	ug/l #	74
49) 1,4-Dioxane	9.20	88	24835	313.35	ug/l	90
51) 4-Methyl-2-Pentanone	9.99	43	404055	76.22	ug/l	97
52) Toluene	10.16	92	339719	17.63	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	160758	15.51	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	186403	16.38	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	127315	17.57	ug/l	93
56) Ethyl methacrylate	10.43	69	135159	15.84	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	190011	16.88	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	315700	84.95	ug/l #	87
59) 2-Hexanone	10.75	43	247617	66.51	ug/l	96
60) Dibromochloromethane	10.90	129	139909	16.26	ug/l	100
61) 1,2-Dibromoethane	11.01	107	127867	17.13	ug/l	98
64) Tetrachloroethene	10.63	164	158922	19.36	ug/l	97
65) Chlorobenzene	11.43	112	391415	18.08	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	147734	17.91	ug/l	97
67) Ethyl Benzene	11.51	91	648097	18.08	ug/l	98
68) m/p-Xylenes	11.62	106	511080	35.31	ug/l	98
69) o-Xylene	11.95	106	254231	18.08	ug/l	96
70) Styrene	11.96	104	378597	17.46	ug/l	99
71) Bromoform	12.13	173	84104	15.60	ug/l #	100
73) Isopropylbenzene	12.25	105	678731	19.43	ug/l	99
74) N-amyl acetate	12.07	43	113841	16.43	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	136972	17.85	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	110067m	19.40	ug/l	
77) Bromobenzene	12.53	156	163583	18.78	ug/l	88
78) n-propylbenzene	12.59	91	695466	19.01	ug/l	97
79) 2-Chlorotoluene	12.67	91	427800	19.41	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	551444	19.37	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	27600	14.02	ug/l	94
82) 4-Chlorotoluene	12.77	91	411045	19.41	ug/l	98
83) tert-Butylbenzene	12.99	119	515699	19.53	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	549613	19.39	ug/l	100
85) sec-Butylbenzene	13.17	105	650563	19.02	ug/l	98
86) p-Isopropyltoluene	13.29	119	560923	18.65	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	275843	18.51	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	259851	17.99	ug/l	99
89) n-Butylbenzene	13.62	91	406831	18.19	ug/l	98
90) Hexachloroethane	13.87	117	90741	16.62	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	272060	18.90	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18281	16.18	ug/l	94

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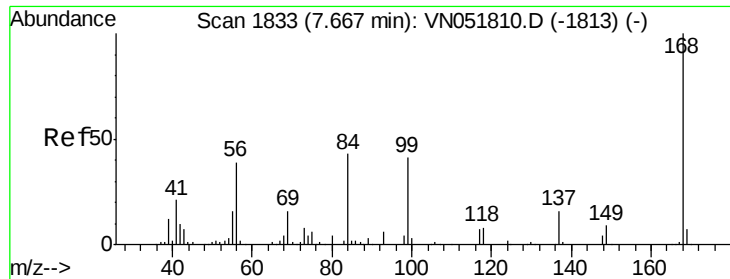
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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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	97243	15.51	ug/l	98
94) Hexachlorobutadiene	15.01	225	84415	18.14	ug/l	99
95) Naphthalene	15.13	128	185525	14.53	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	105564	16.34	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS02

Tgt Ion:168 Resp: 813864

Ion Ratio Lower Upper

168 100

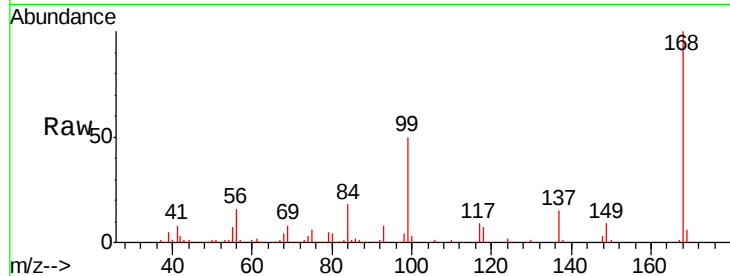
99 49.3 39.6 59.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN051841.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN051841.D (-1740) (-)

7.67

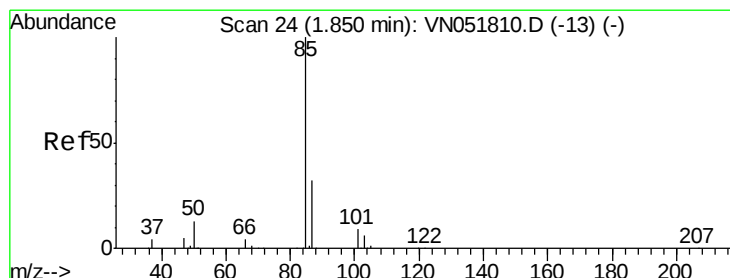
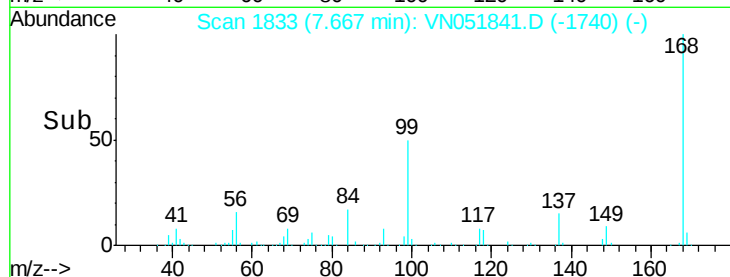
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.30 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051841.D

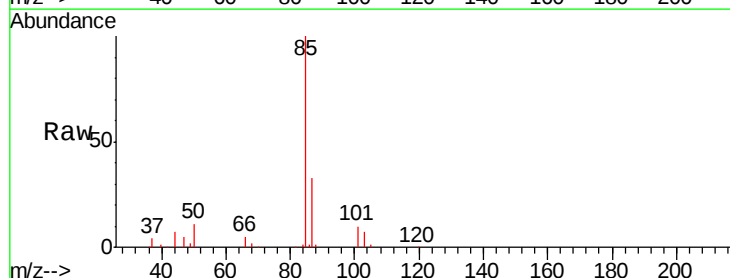
Acq: 12 Oct 2018 19:32

Tgt Ion: 85 Resp: 82680

Ion Ratio Lower Upper

85 100

87 33.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN051841.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN051841.D (-1) (-)

1.85

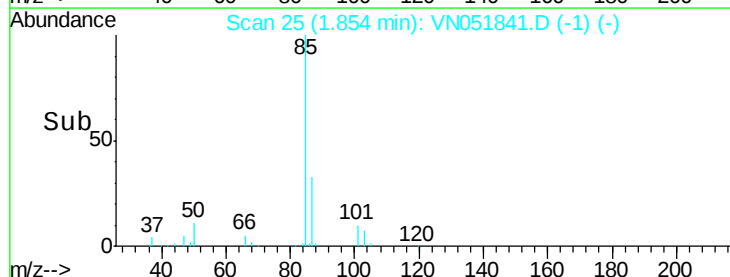
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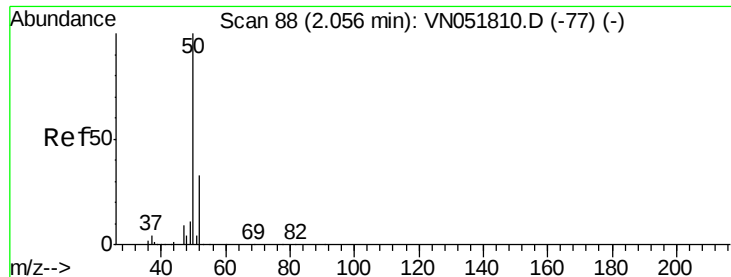
40000

20000

0

Time-->





#3

Chloromethane

Concen: 17.21 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS02

Tgt Ion: 50 Resp: 94171

Ion Ratio Lower Upper

50 100

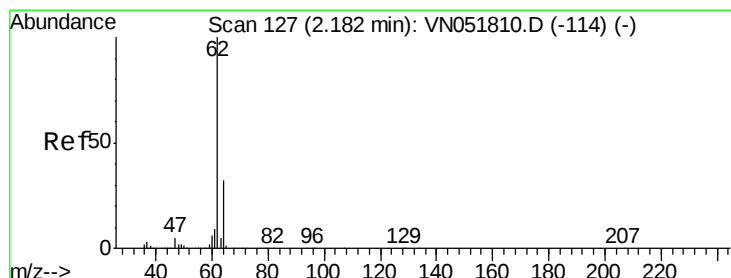
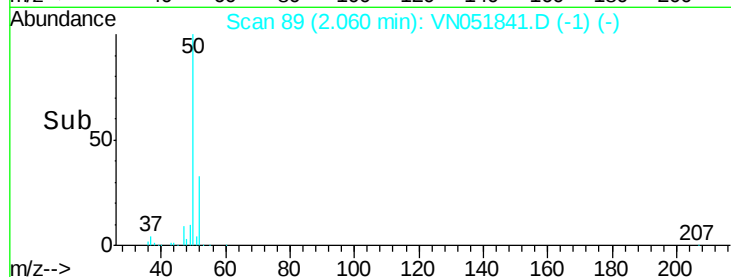
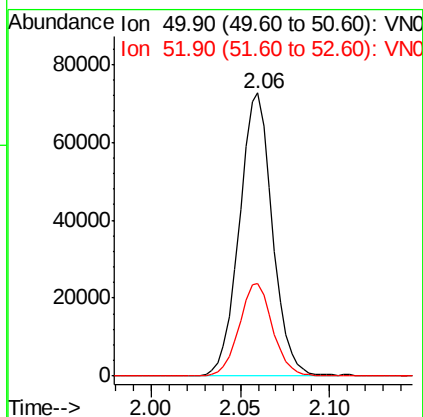
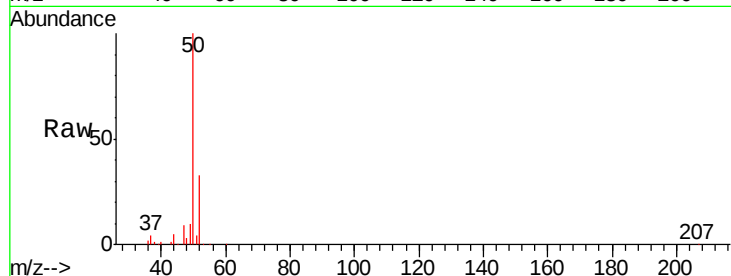
52 32.8 26.3 39.5

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 16.77 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051841.D

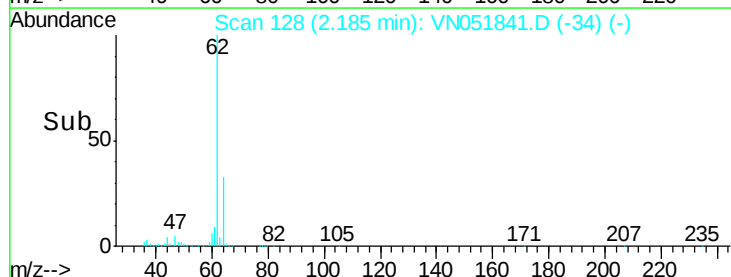
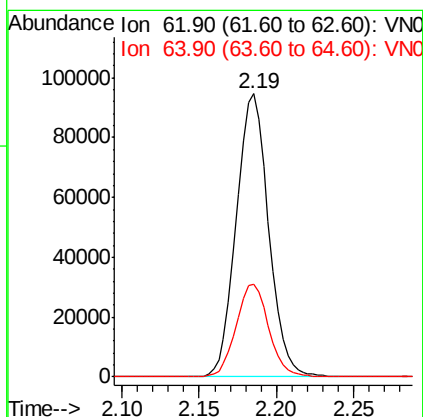
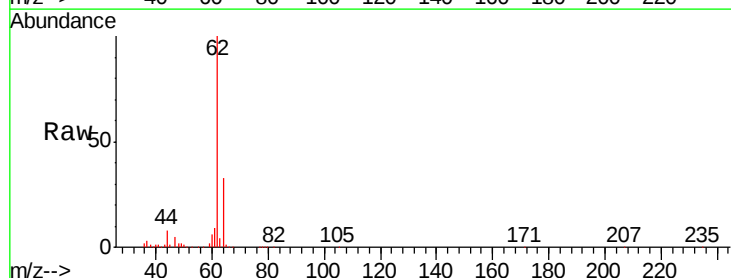
Acq: 12 Oct 2018 19:32

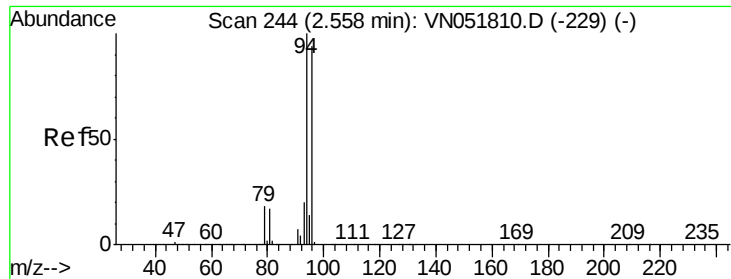
Tgt Ion: 62 Resp: 137637

Ion Ratio Lower Upper

62 100

64 32.9 25.4 38.2





#5

Bromomethane

Concen: 18.12 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

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ClientSampleId :

VN1012WBS02

Tgt Ion: 94 Resp: 134193

Ion Ratio Lower Upper

94 100

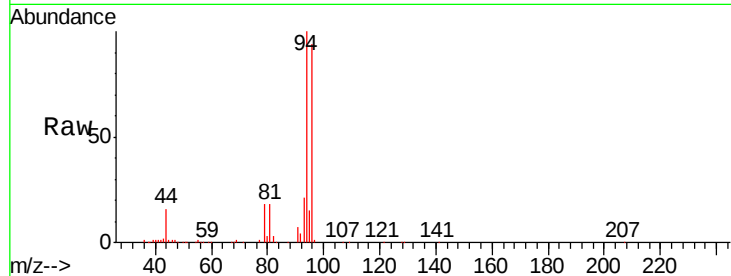
96 94.0 76.2 114.2

Manual Integrations

APPROVED

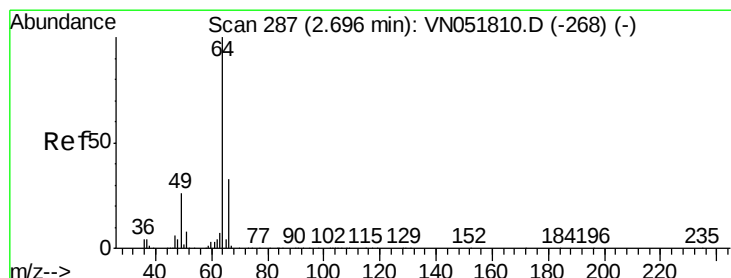
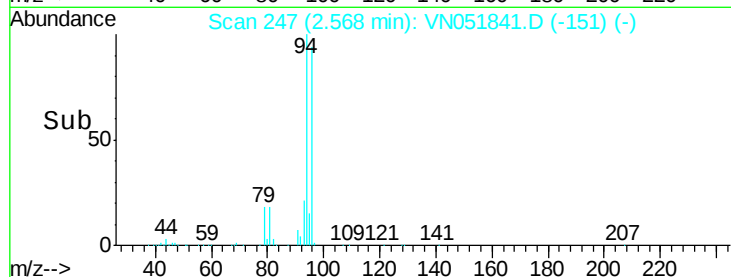
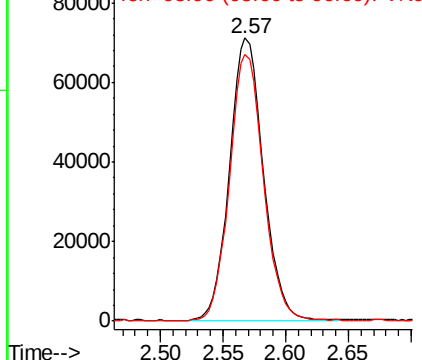
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.86 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN051841.D

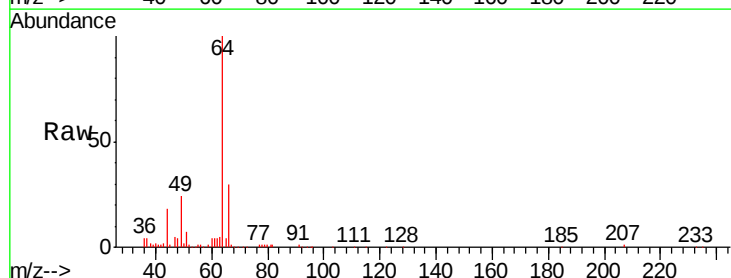
Acq: 12 Oct 2018 19:32

Tgt Ion: 64 Resp: 107638

Ion Ratio Lower Upper

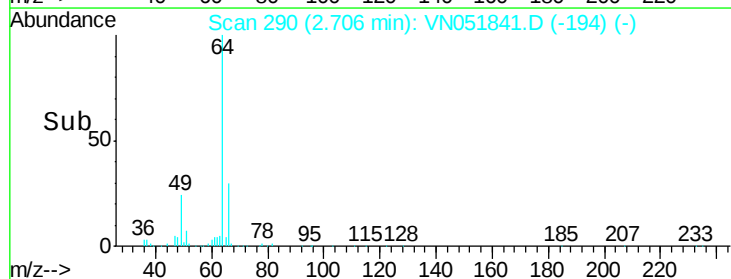
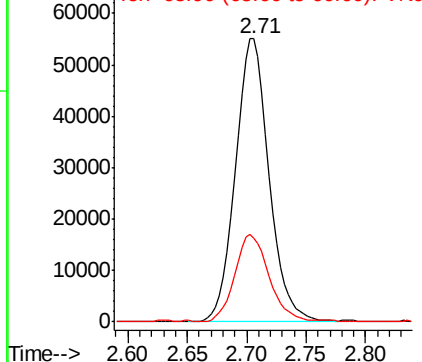
64 100

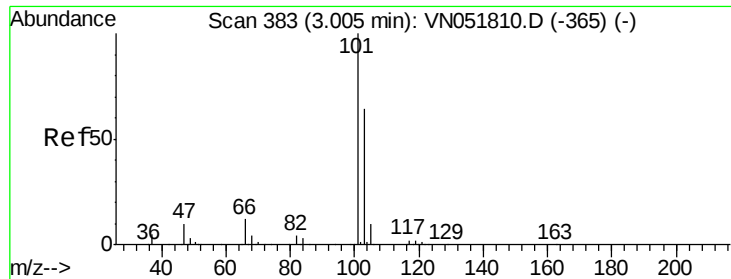
66 29.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

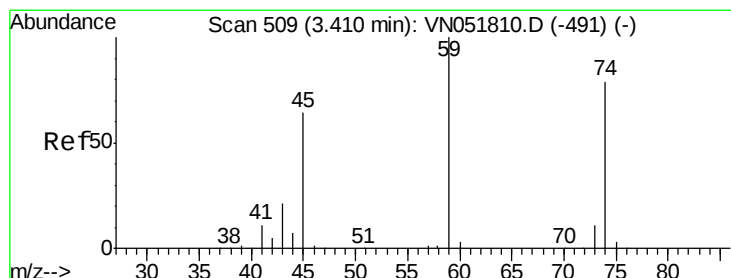
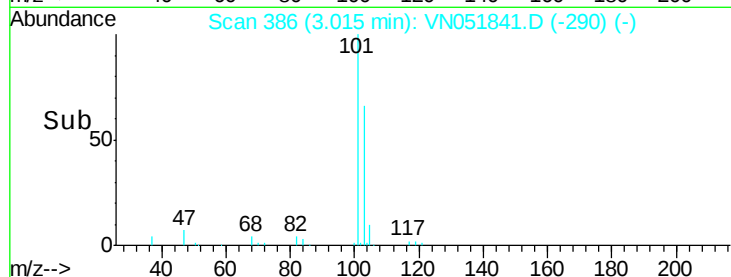
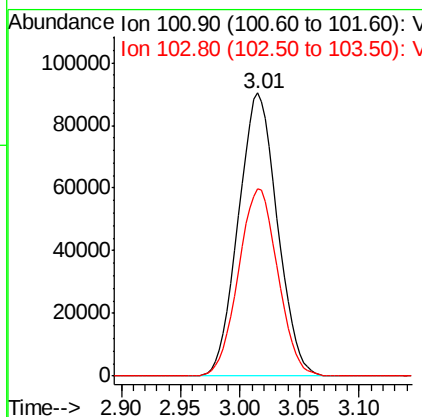
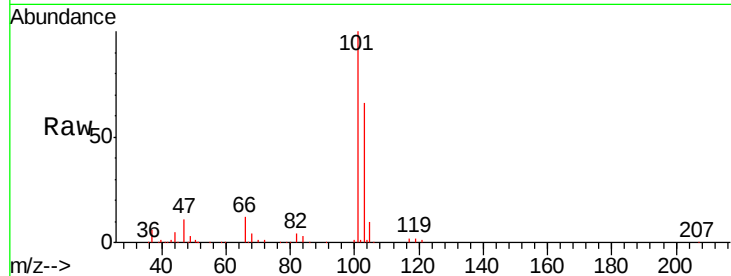
Trichlorofluoromethane
Concen: 16.83 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.01 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.6	77.4

Manual Integrations
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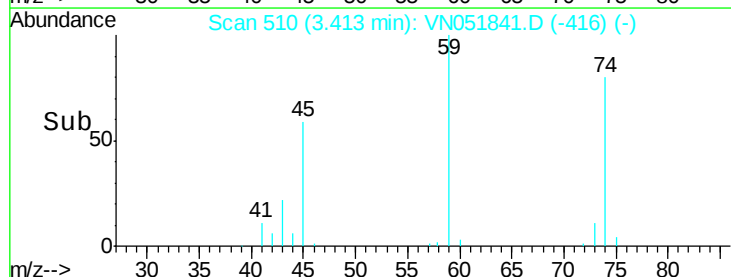
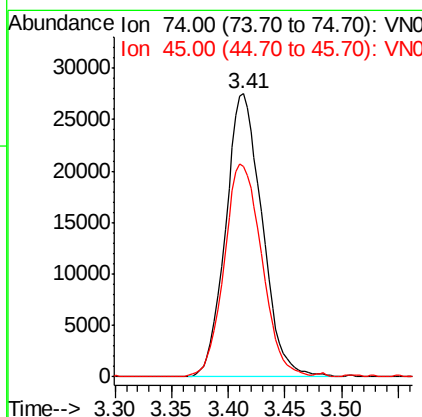
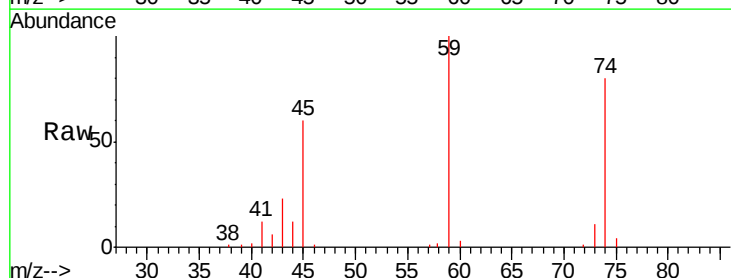
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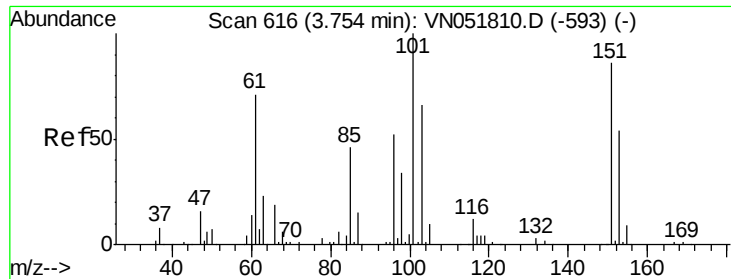


#8

Diethyl Ether
Concen: 18.35 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.7	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.01 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

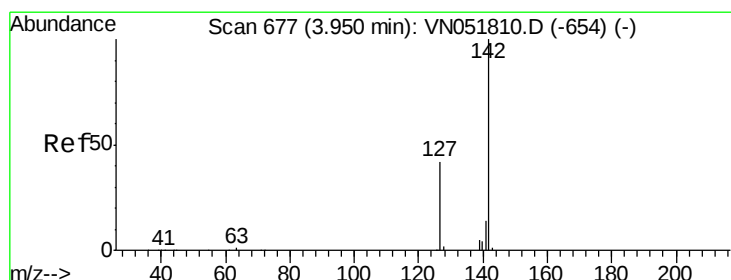
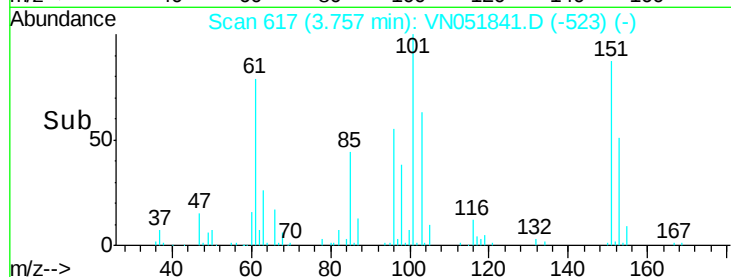
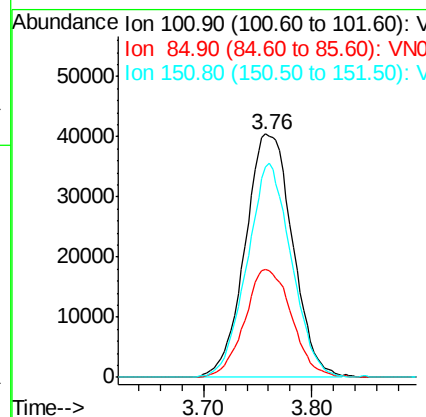
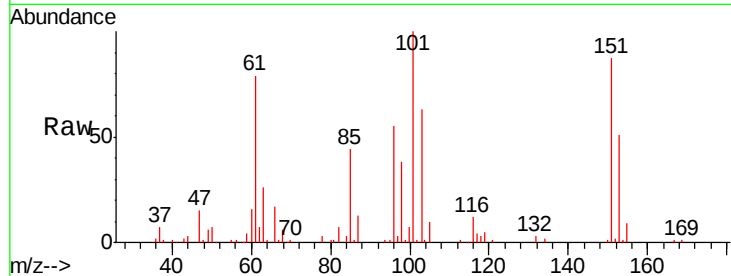
ClientSampleId :

VN1012WBS02

Tgt Ion:	101	Resp:	123539
Ion Ratio	Lower	Upper	
101	100		
85	44.0	33.7	50.5
151	82.4	67.4	101.2

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#10

Methyl Iodide

Concen: 17.12 ug/l

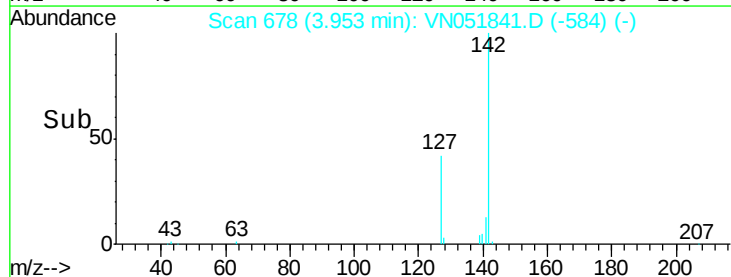
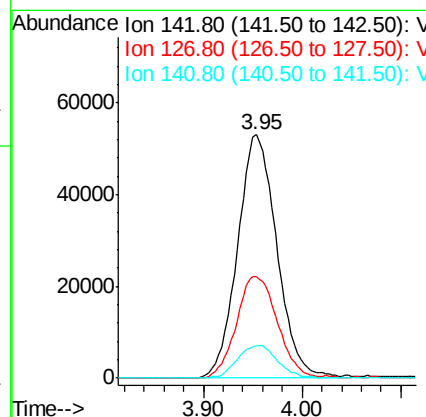
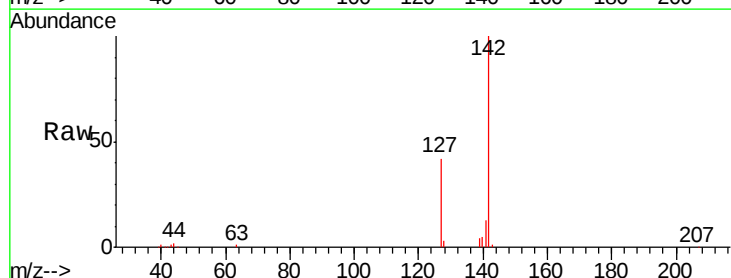
RT: 3.95 min Scan# 678

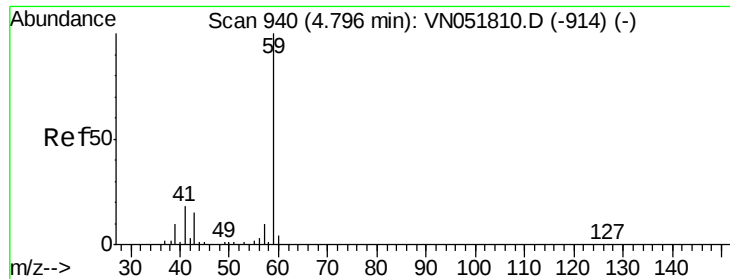
Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Tgt Ion:	142	Resp:	146622
Ion Ratio	Lower	Upper	
142	100		
127	43.5	31.7	47.5
141	13.7	11.4	17.0





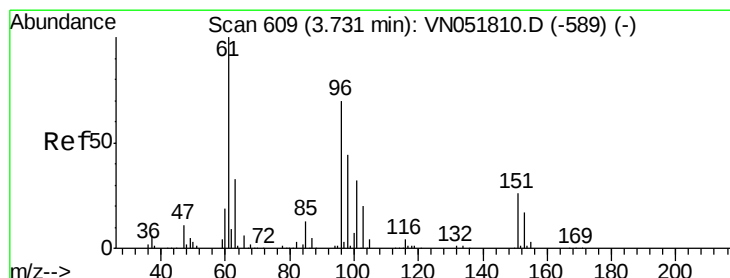
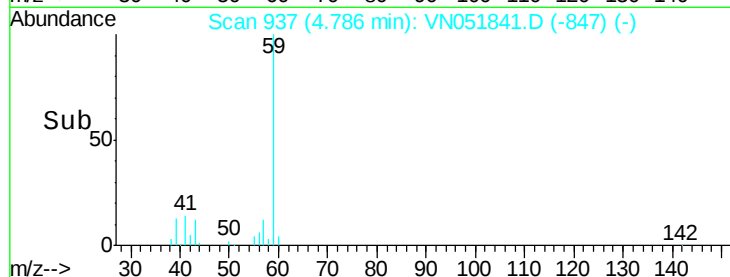
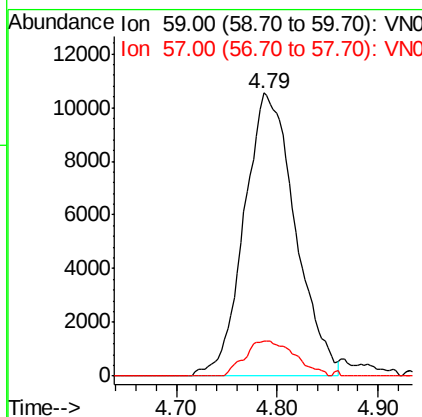
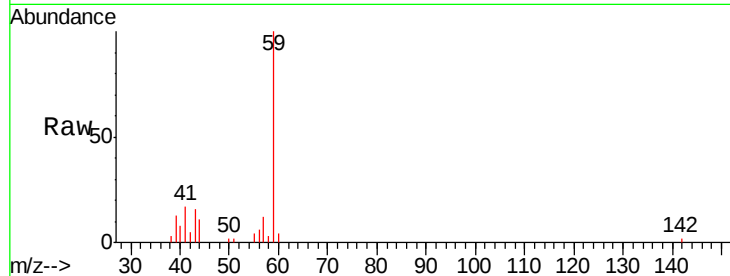
#11
Tert butyl alcohol
Concen: 64.79 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.01 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS02

Tgt Ion: 59 Resp: 37065
Ion Ratio Lower Upper
59 100
57 12.2 8.3 12.5

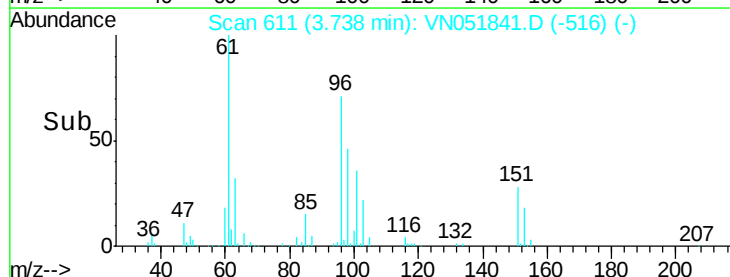
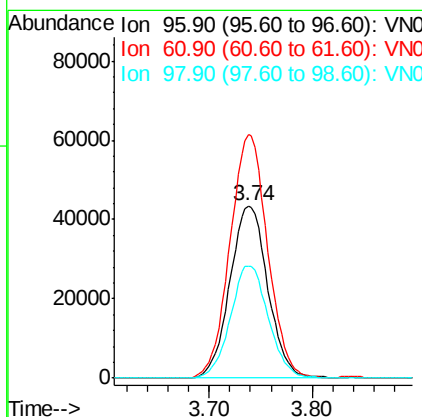
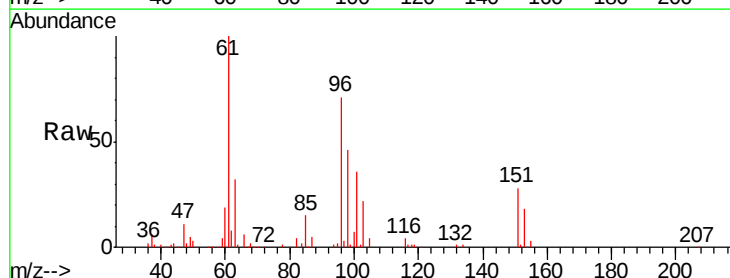
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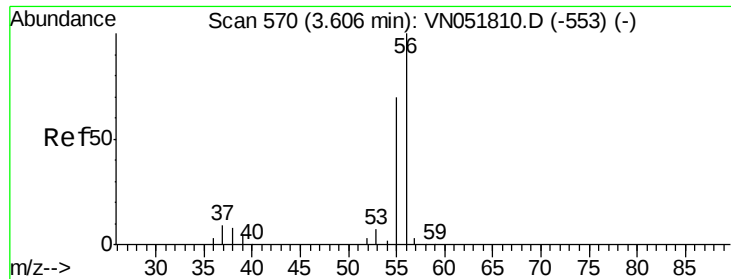
MMDadoda
10/15/2018 11:28:04 AM



#12
1,1-Dichloroethene
Concen: 19.01 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.01 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Tgt Ion: 96 Resp: 111062
Ion Ratio Lower Upper
96 100
61 141.2 124.9 187.3
98 65.0 51.1 76.7





#13

Acrolein

Concen: 84.19 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS02

Tgt Ion: 56 Resp: 42752

Ion Ratio Lower Upper

56 100

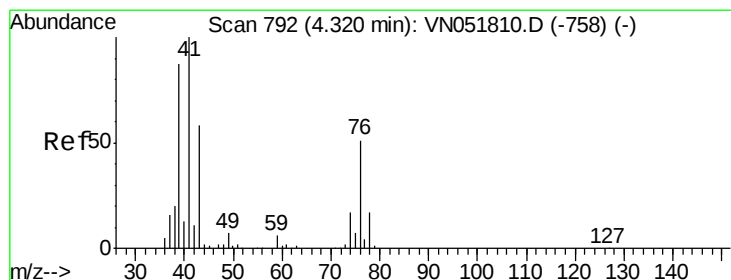
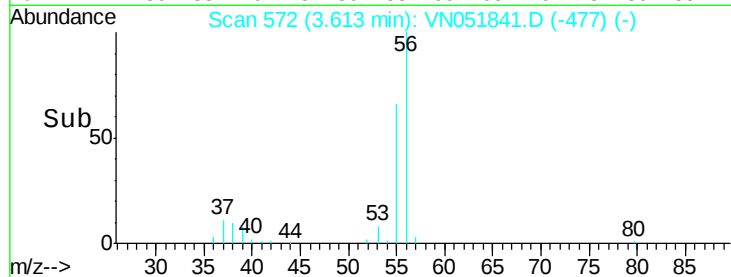
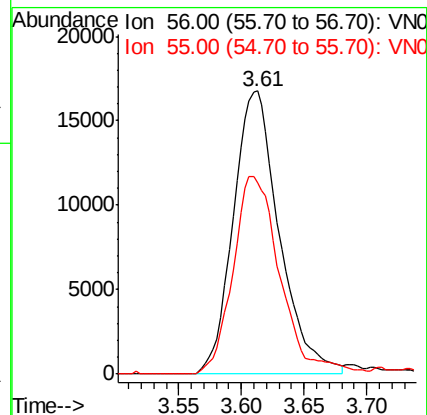
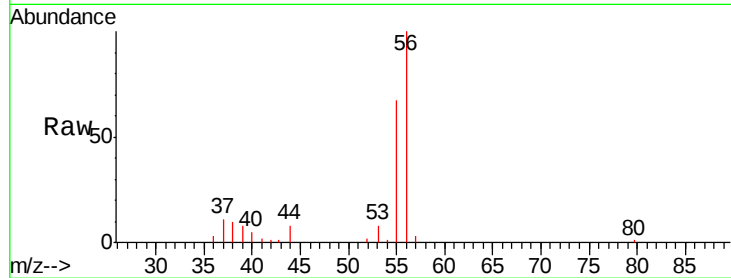
55 71.5 57.7 86.5

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#14

Allyl chloride

Concen: 16.82 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

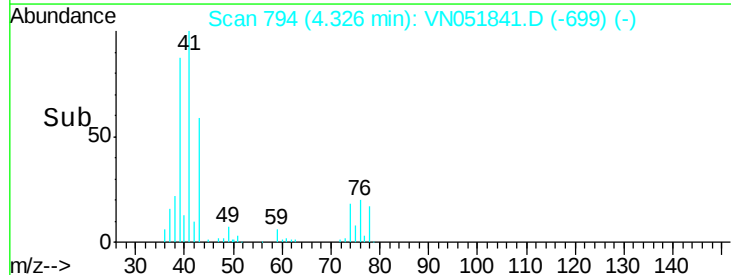
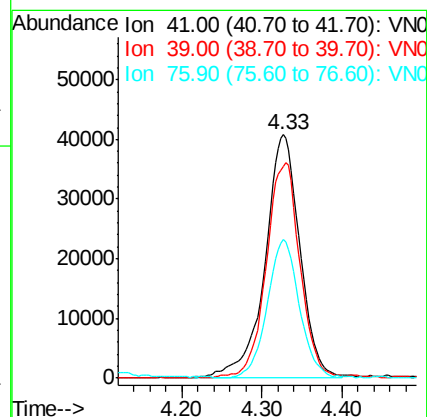
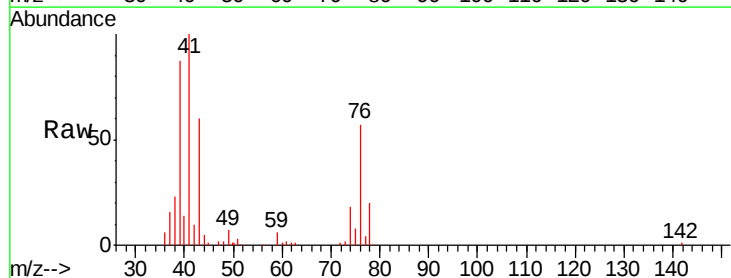
Tgt Ion: 41 Resp: 123341

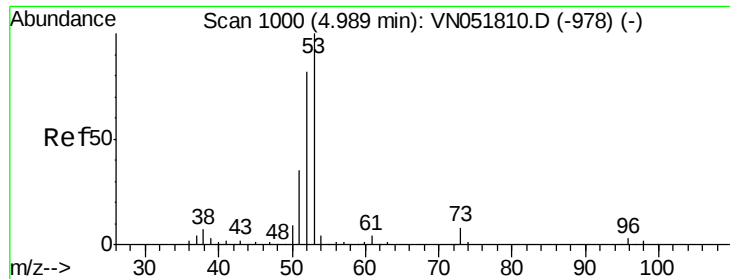
Ion Ratio Lower Upper

41 100

39 85.7 50.2 75.2#

76 52.6 29.8 44.8#





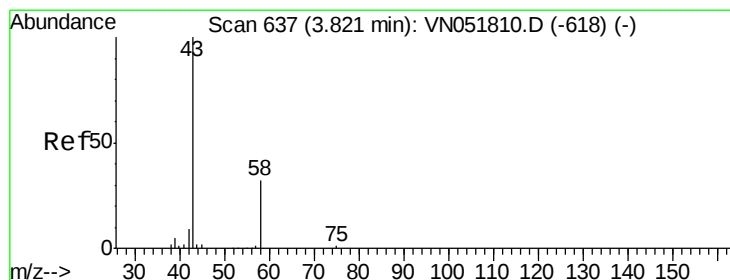
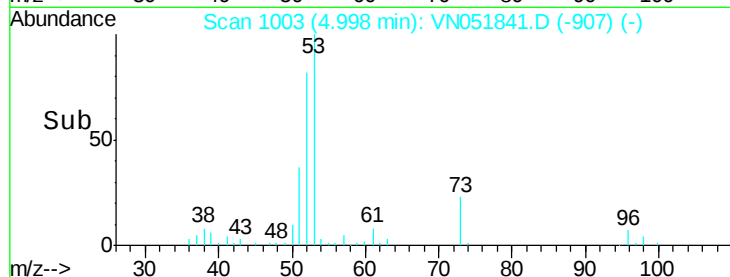
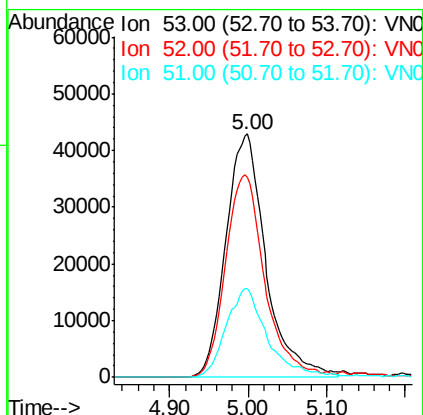
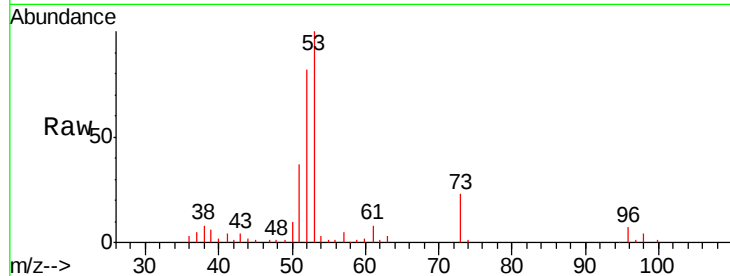
#15
Acrylonitrile
Concen: 81.35 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS02

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.9	98.9
51	37.8	28.6	43.0

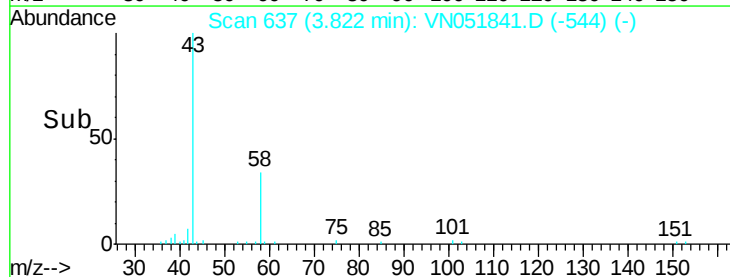
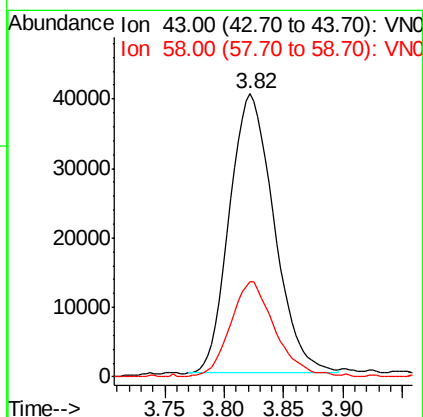
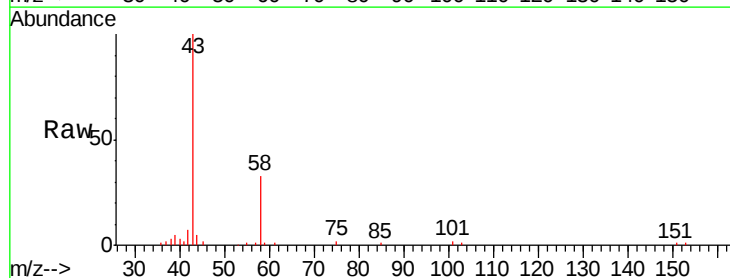
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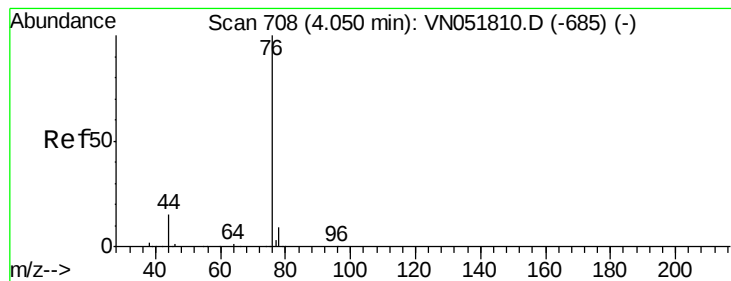
MMDadoda
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#16
Acetone
Concen: 62.37 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.2	40.8





#17

Carbon Disulfide

Concen: 16.20 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.01 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS02

Tgt Ion: 76 Resp: 256102

Ion Ratio Lower Upper

76 100

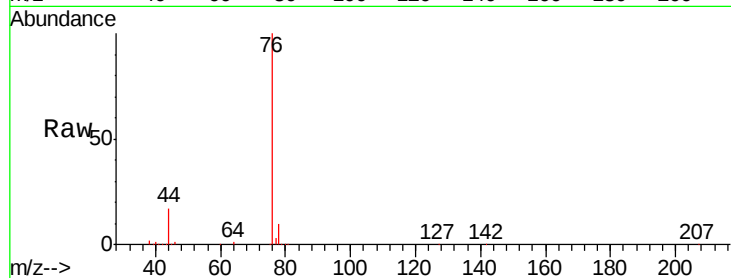
78 9.9 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

100000

80000

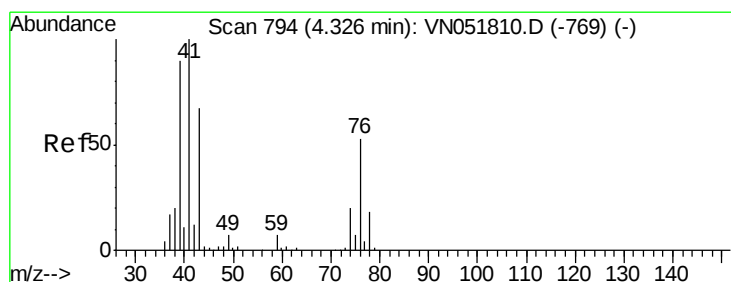
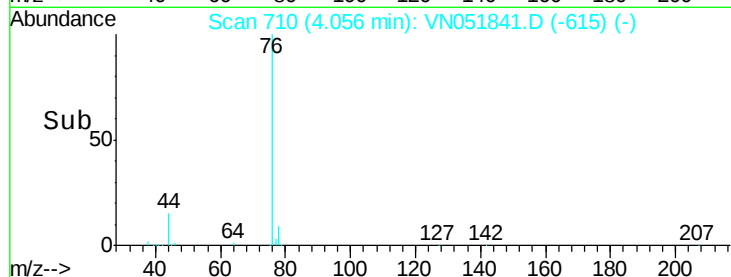
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 15.72 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051841.D

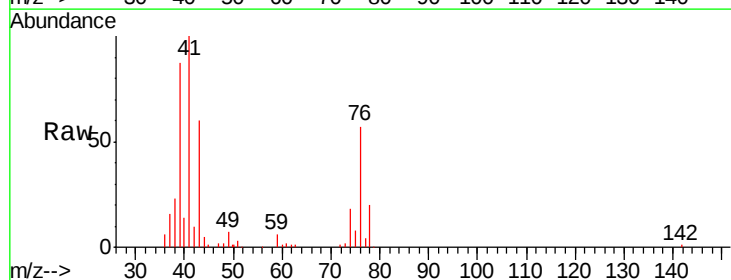
Acq: 12 Oct 2018 19:32

Tgt Ion: 43 Resp: 72504

Ion Ratio Lower Upper

43 100

74 30.0 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

25000

20000

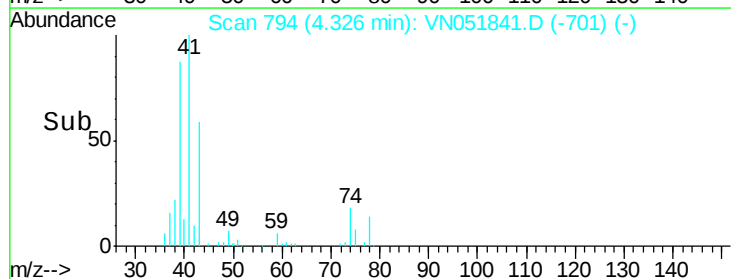
15000

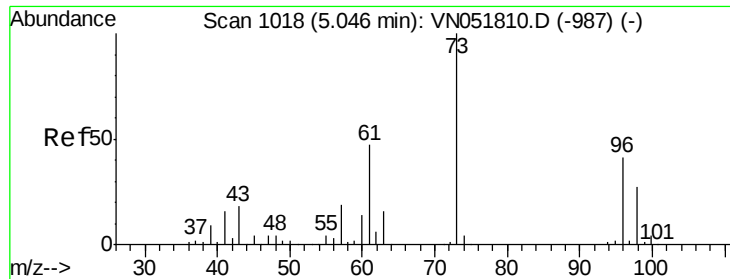
10000

5000

0

Time-->





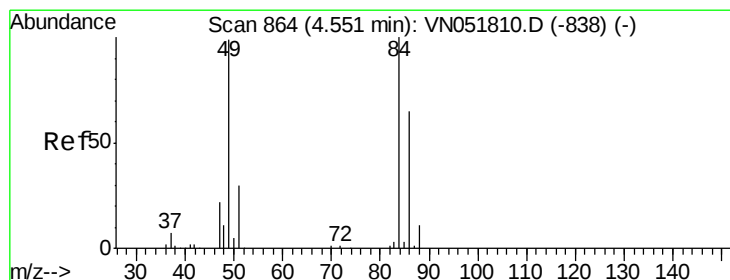
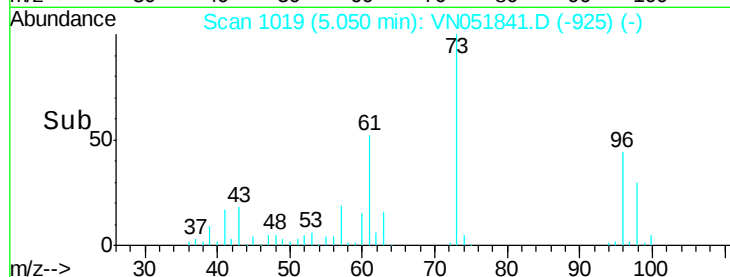
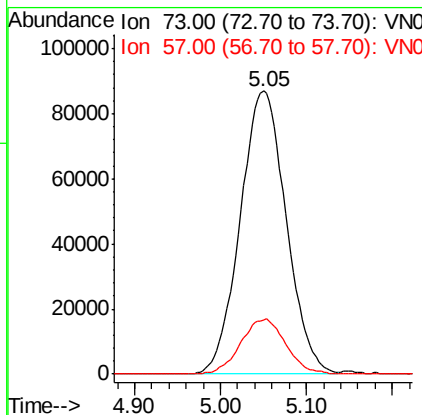
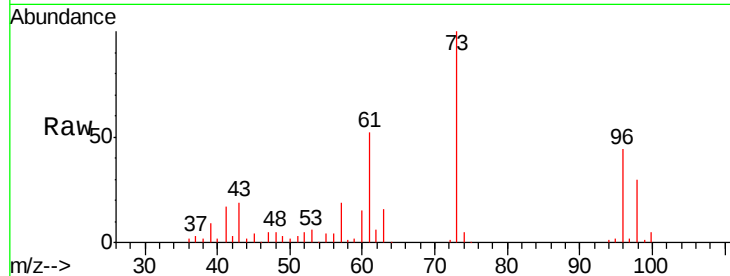
#19
Methyl tert-butyl Ether
Concen: 17.57 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS02

Tgt Ion: 73 Resp: 323182
Ion Ratio Lower Upper
73 100
57 19.4 17.8 26.8

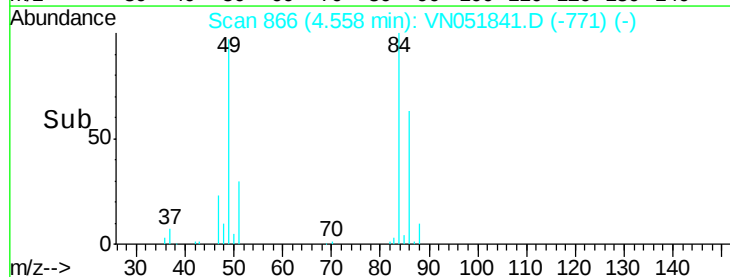
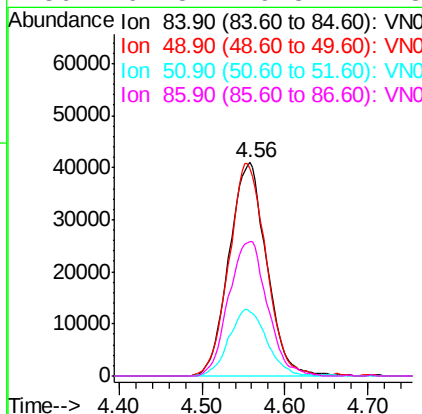
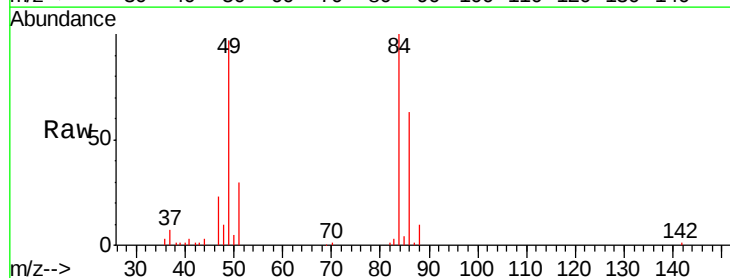
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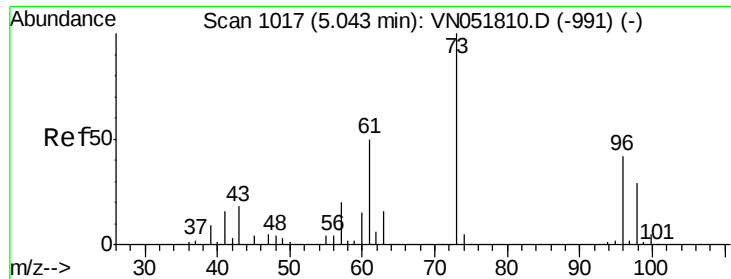
MMDadoda
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#20
Methylene Chloride
Concen: 18.57 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Tgt Ion: 84 Resp: 128917
Ion Ratio Lower Upper
84 100
49 96.9 93.2 139.8
51 30.1 29.0 43.6
86 62.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.17 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

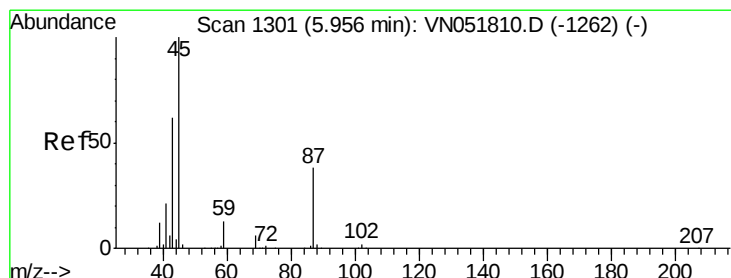
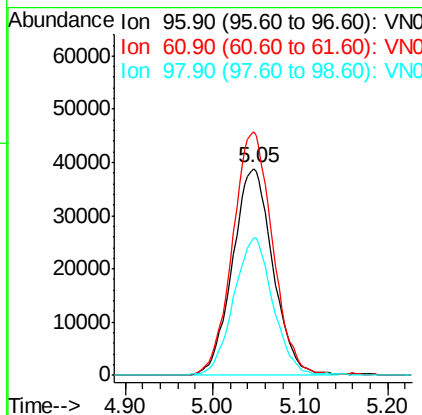
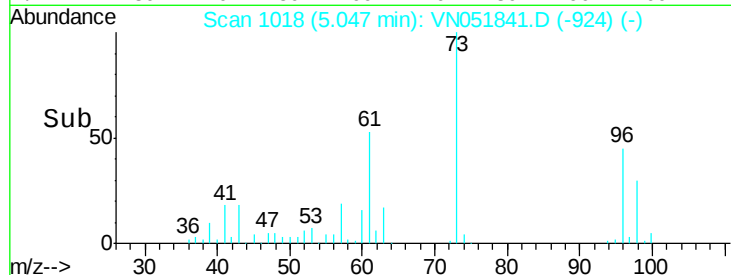
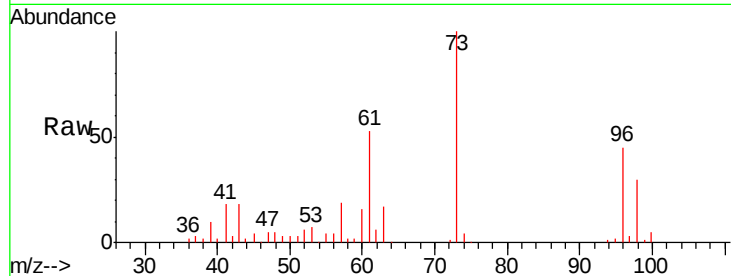
ClientSampleId :

VN1012WBS02

Tgt Ion:	96	Resp:	124632
Ion	Ratio	Lower	Upper
96	100		
61	117.6	107.4	161.0
98	66.3	50.7	76.1

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#22

Diisopropyl ether

Concen: 18.05 ug/l

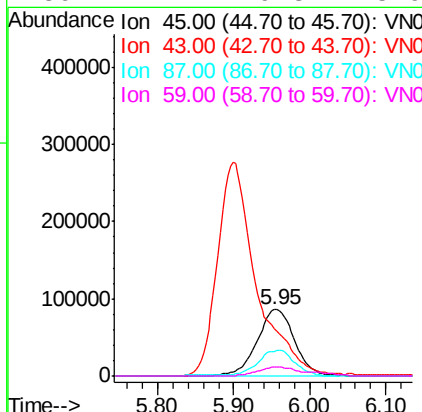
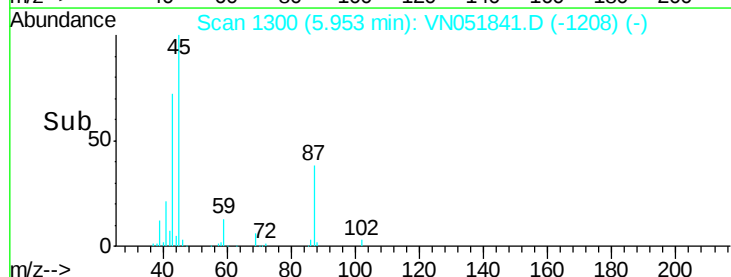
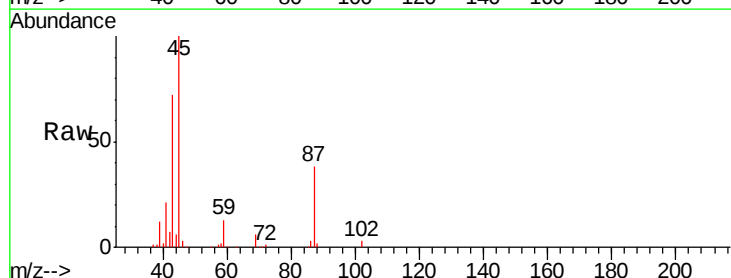
RT: 5.95 min Scan# 1300

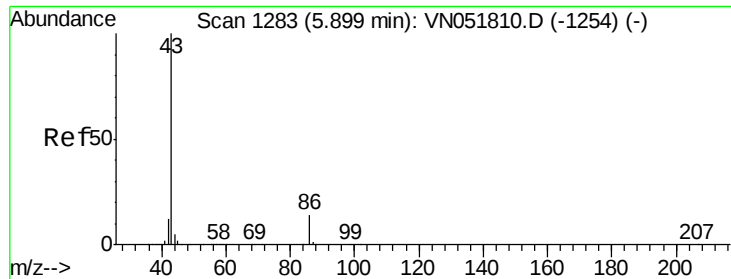
Delta R.T. -0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Tgt Ion:	45	Resp:	292609
Ion	Ratio	Lower	Upper
45	100		
43	69.8	45.9	68.9#
87	37.1	22.7	34.1#
59	12.7	9.3	13.9





#23

Vinyl Acetate

Concen: 83.20 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS02

Tgt Ion: 43 Resp: 986500

Ion Ratio Lower Upper

43 100

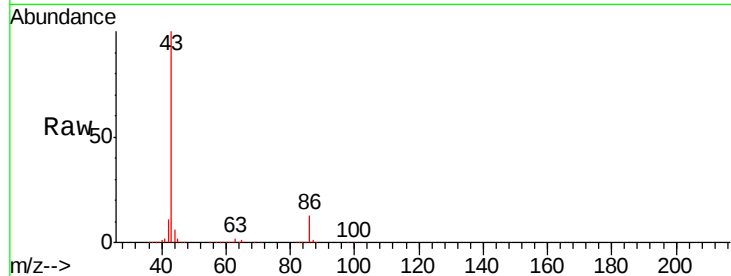
86 13.2 8.7 13.1#

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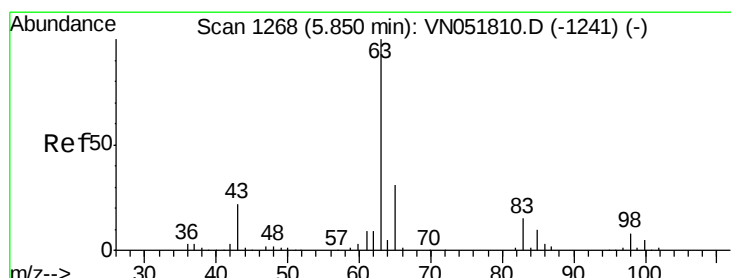
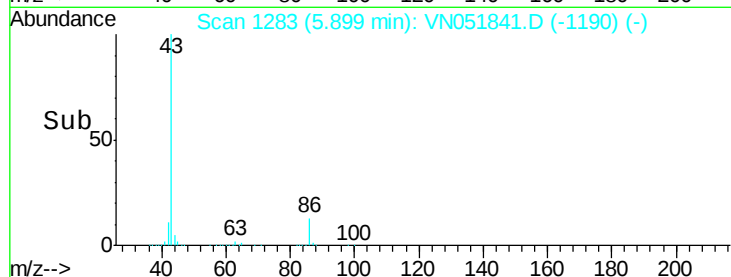
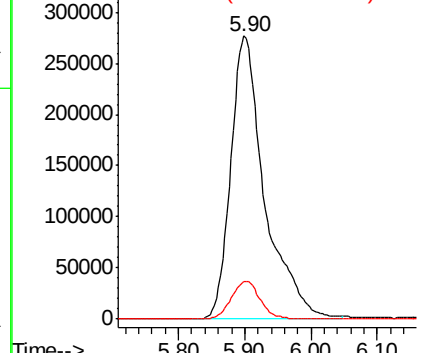
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.53 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

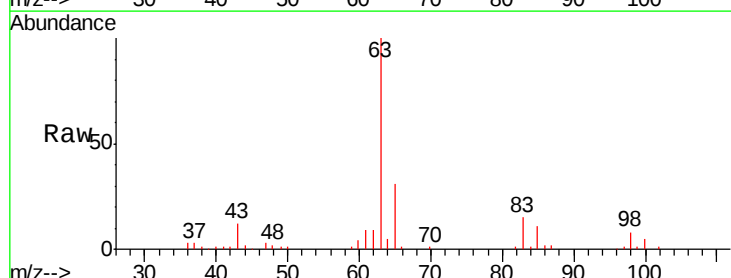
Tgt Ion: 63 Resp: 206281

Ion Ratio Lower Upper

63 100

98 7.6 3.3 9.8

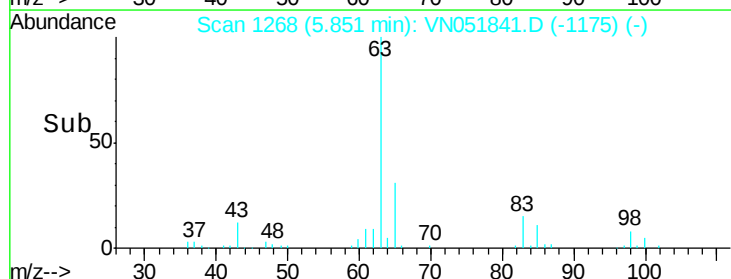
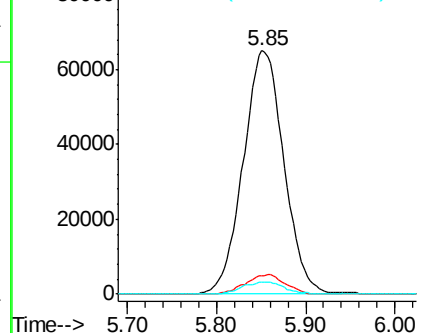
100 4.9 2.1 6.5

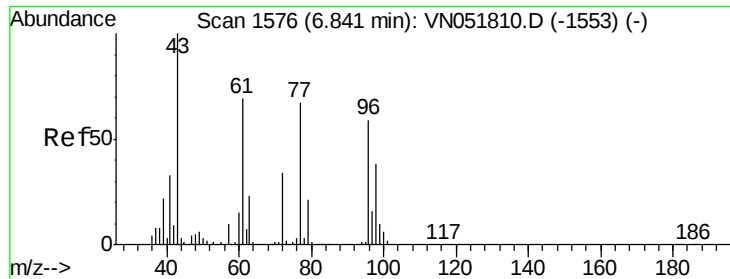


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





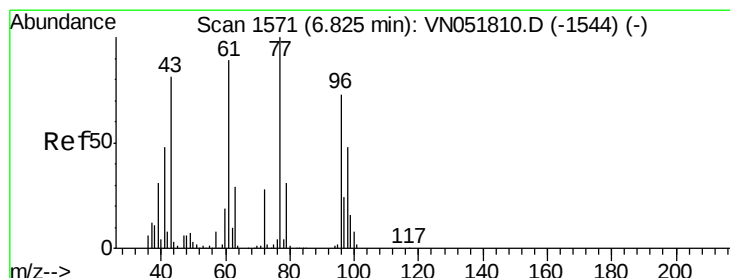
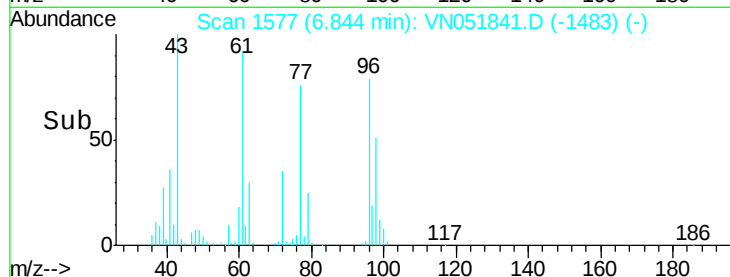
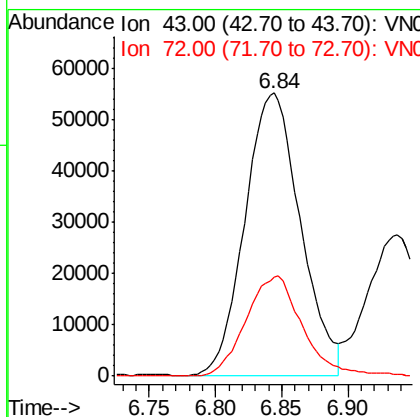
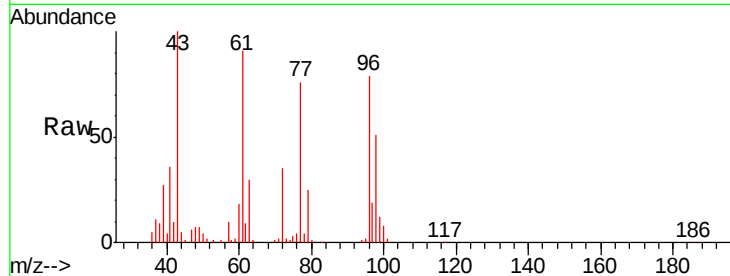
#25
2-Butanone
Concen: 67.66 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS02

Tgt Ion: 43 Resp: 160393
Ion Ratio Lower Upper
43 100
72 35.0 22.3 33.5#

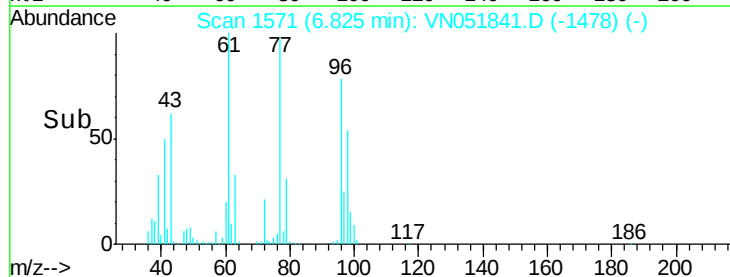
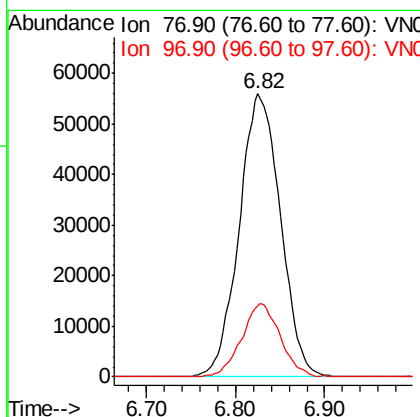
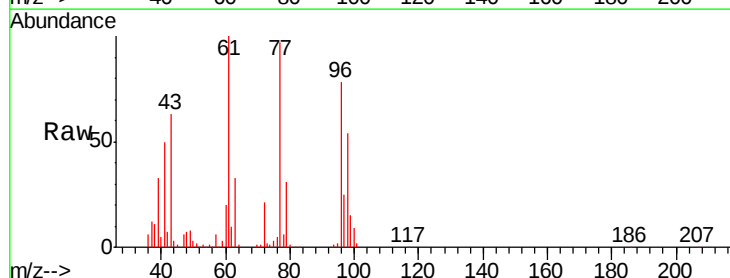
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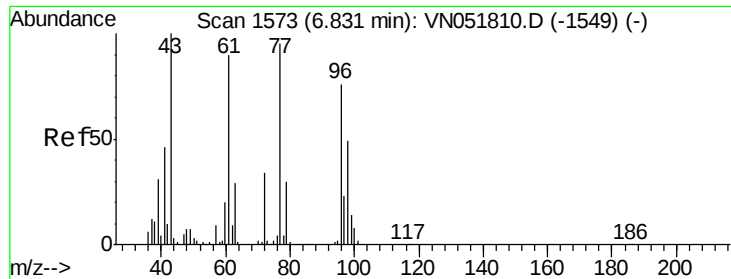
MMDadoda
10/15/2018 11:28:04 AM



#26
2,2-Dichloropropane
Concen: 15.95 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Tgt Ion: 77 Resp: 179864
Ion Ratio Lower Upper
77 100
97 24.2 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 18.85 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

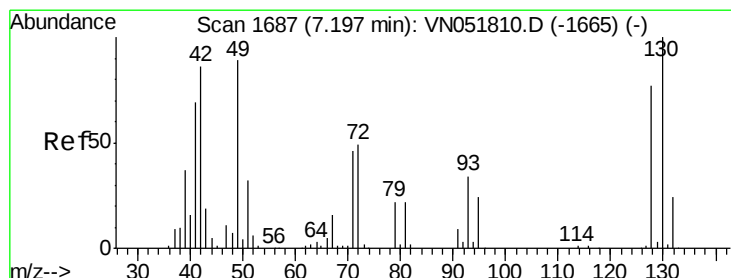
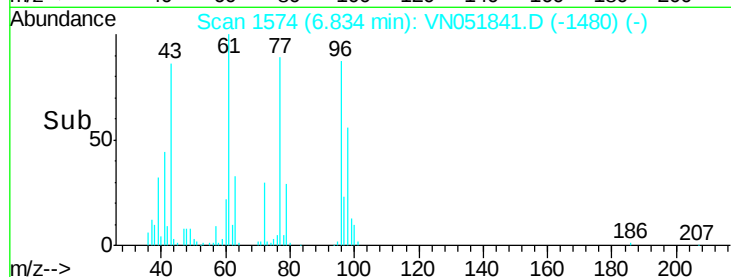
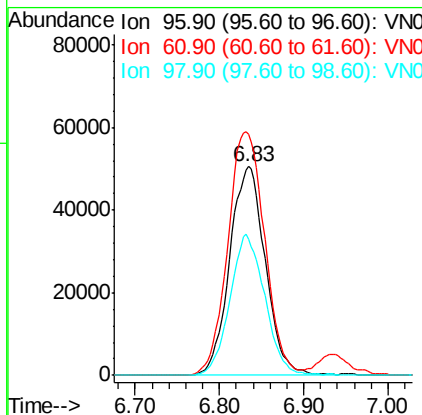
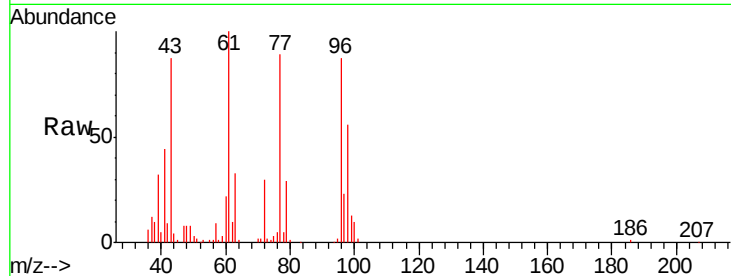
ClientSampleId :

VN1012WBS02

Tgt Ion:	96	Resp:	149026
Ion	Ratio	Lower	Upper
96	100		
61	120.0	0.0	283.4
98	65.6	0.0	129.8

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#28

Bromochloromethane

Concen: 18.48 ug/l

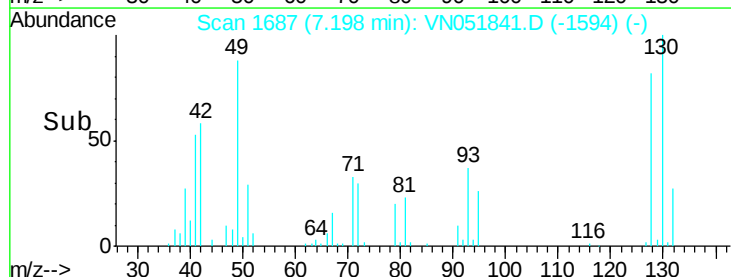
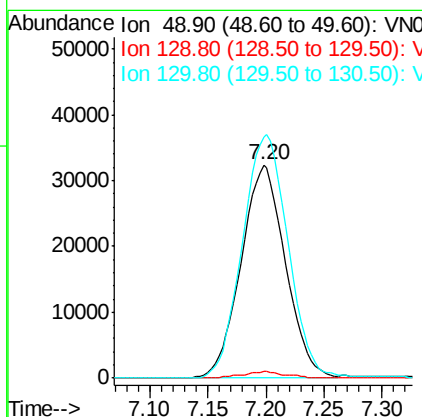
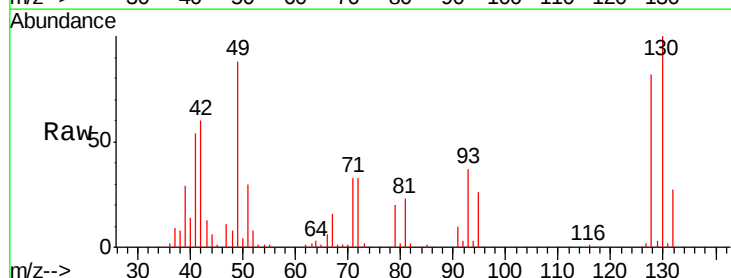
RT: 7.20 min Scan# 1687

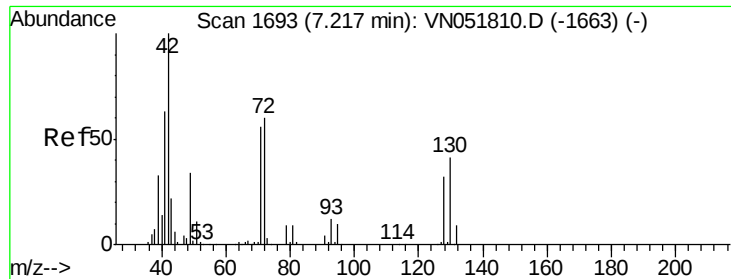
Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Tgt Ion:	49	Resp:	86316
Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.2
130	117.4	67.1	100.7#





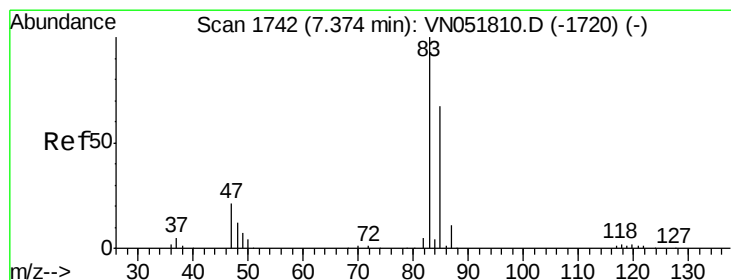
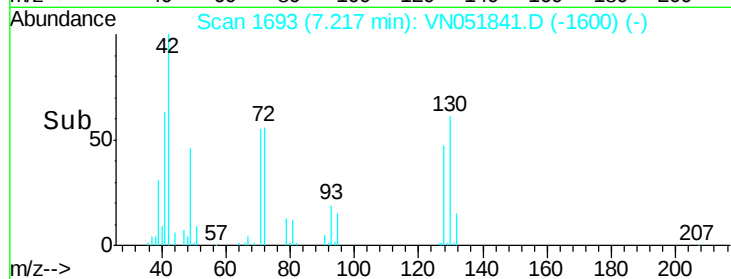
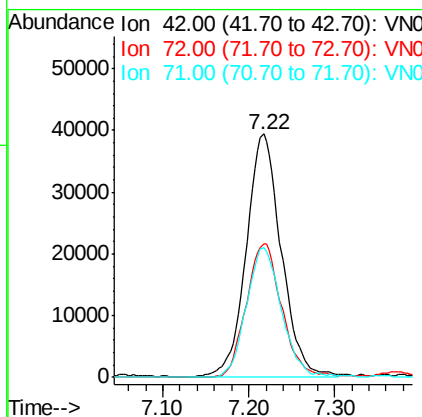
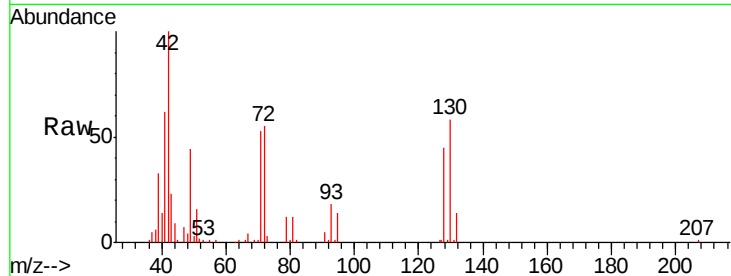
#29
Tetrahydrofuran
Concen: 79.46 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	54.9	35.5	53.3#
71	52.8	33.7	50.5#

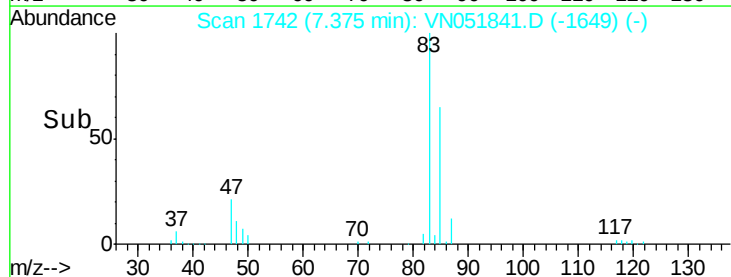
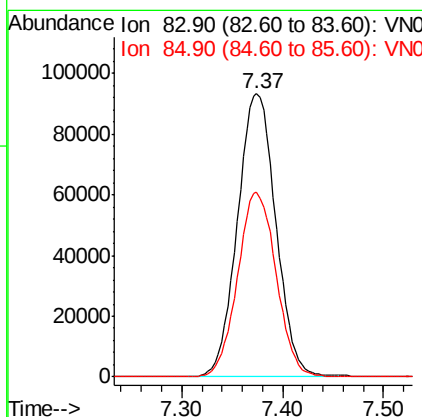
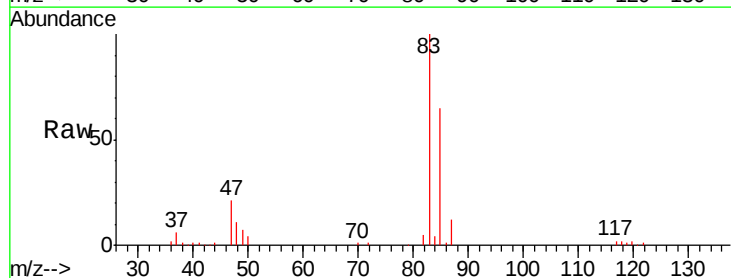
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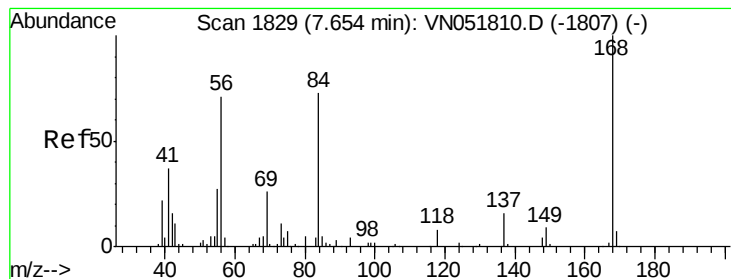
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#30
Chloroform
Concen: 18.50 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.4





#31

Cyclohexane

Concen: 17.74 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS02

Tgt Ion: 56 Resp: 179367
Ion Ratio Lower Upper

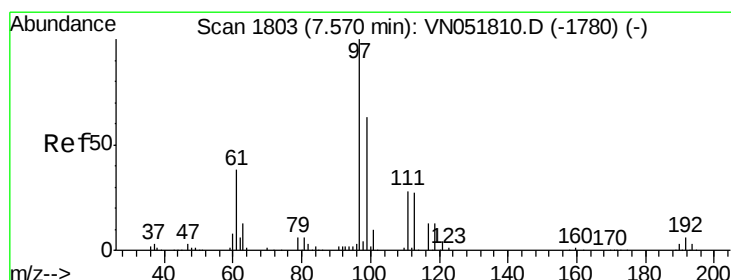
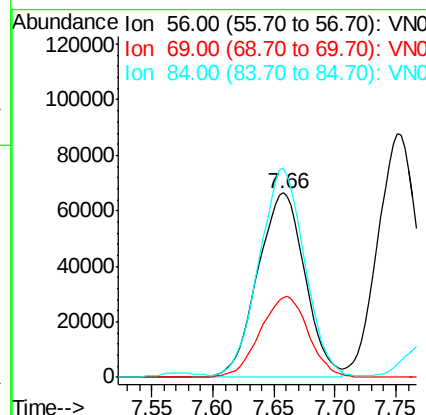
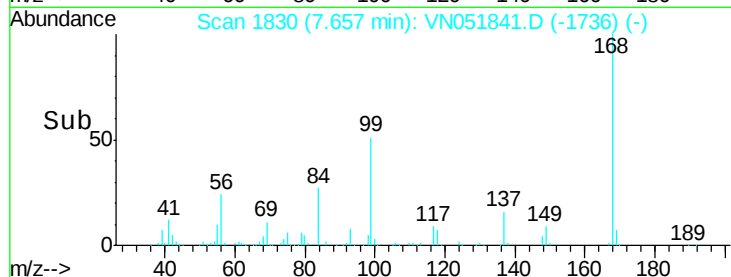
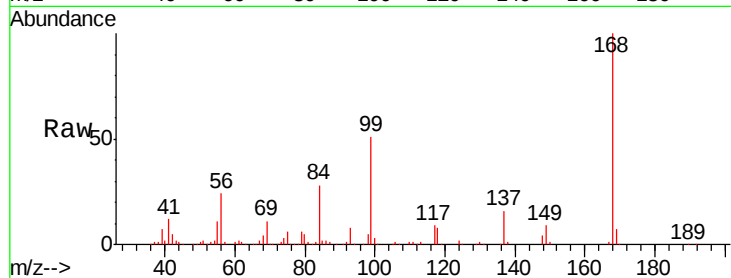
56 100

69 43.4 26.2 39.4#

84 111.4 68.3 102.5#

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#32

1,1,1-Trichloroethane

Concen: 18.21 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051841.D

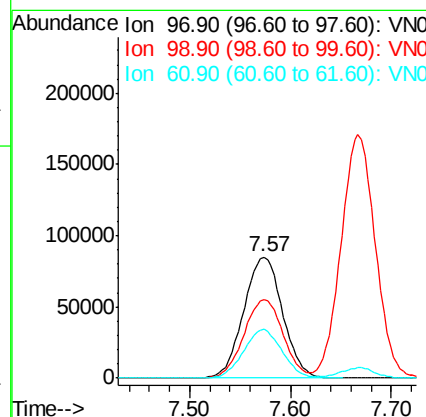
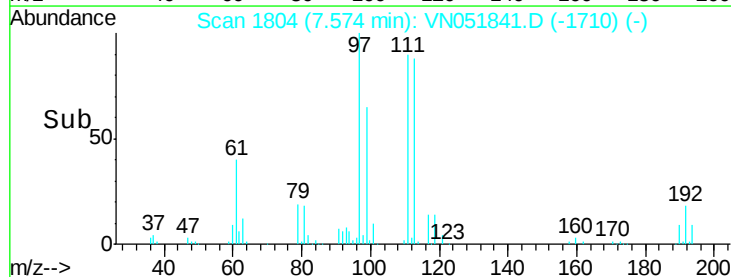
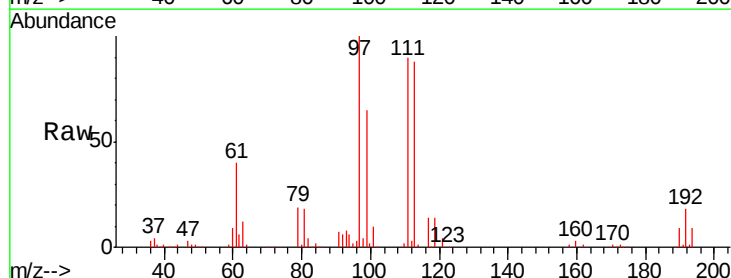
Acq: 12 Oct 2018 19:32

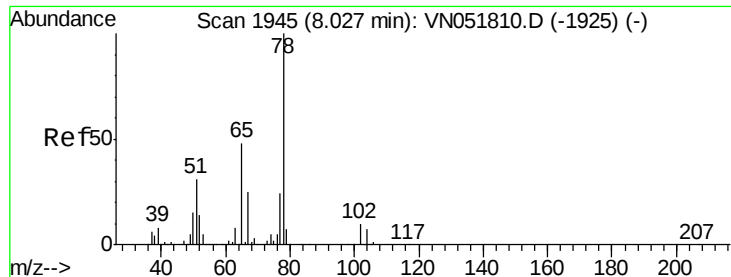
Tgt Ion: 97 Resp: 227614
Ion Ratio Lower Upper

97 100

99 65.1 51.8 77.6

61 39.7 34.9 52.3





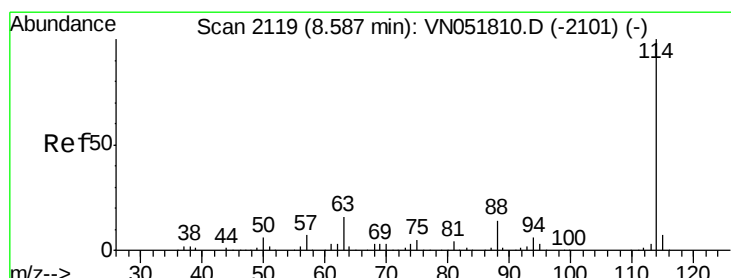
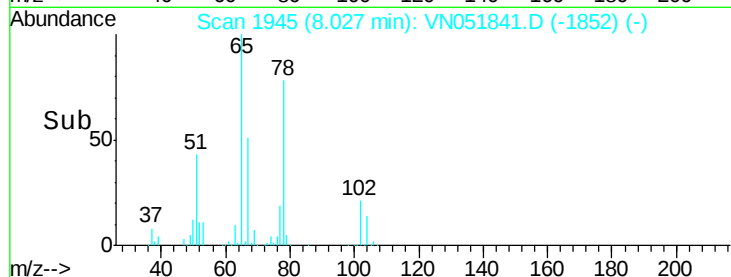
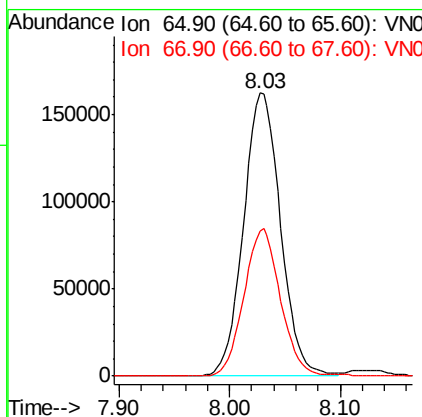
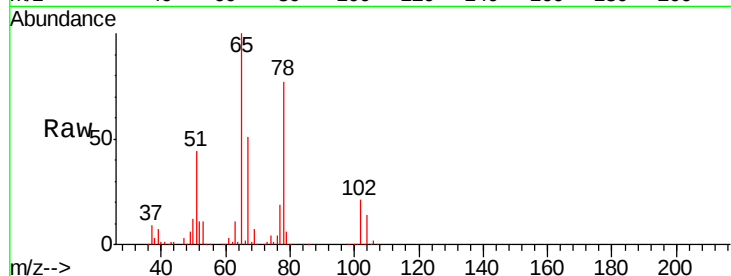
#33
 1,2-Dichloroethane-d4
 Concen: 18.21 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051841.D
 Acq: 12 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	377424		
67	51.6	0.0	110.4	

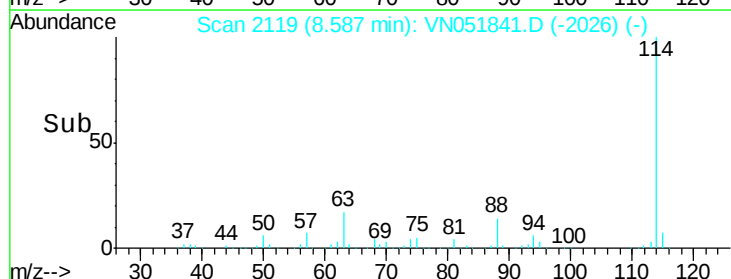
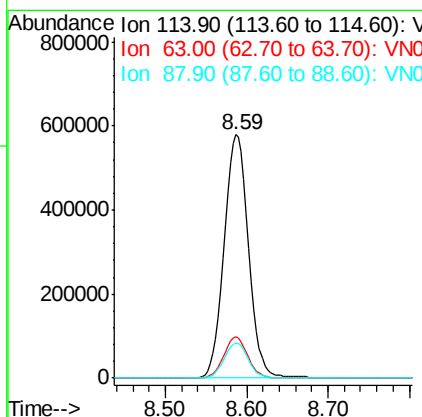
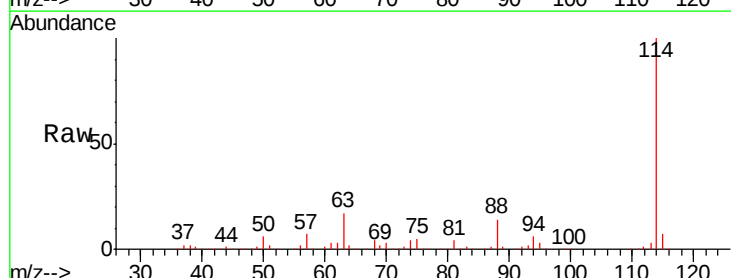
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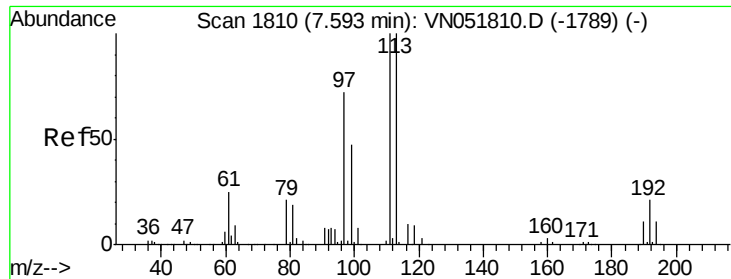
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051841.D
 Acq: 12 Oct 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1228576		
63	17.1	0.0	38.6	
88	14.3	0.0	30.6	





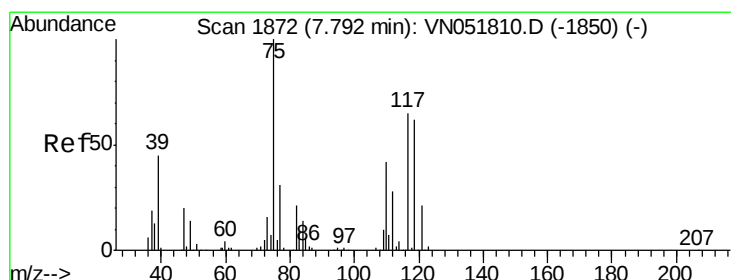
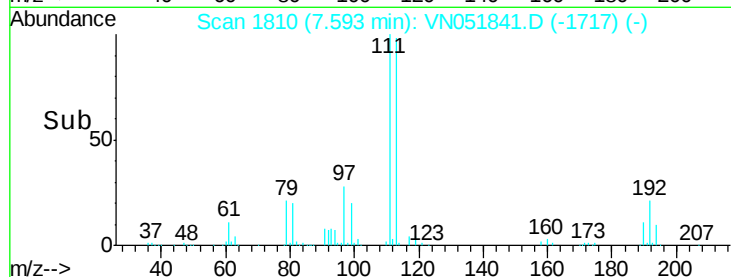
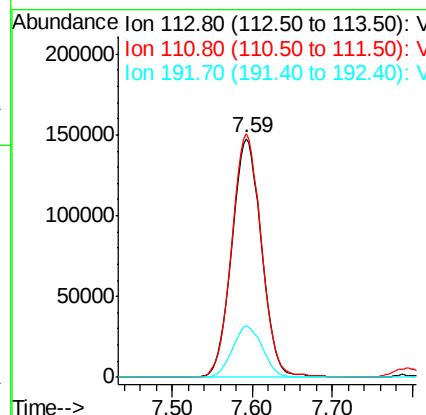
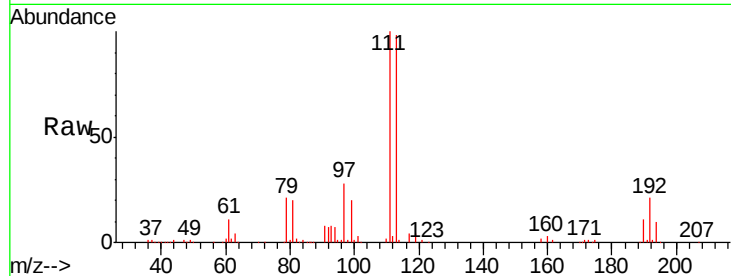
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	372803		
111	101.4	82.6	123.8	
192	21.6	18.0	27.0	

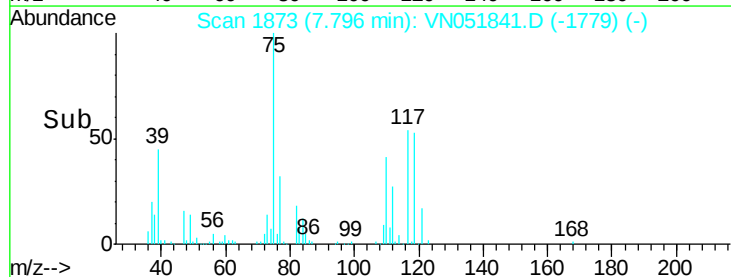
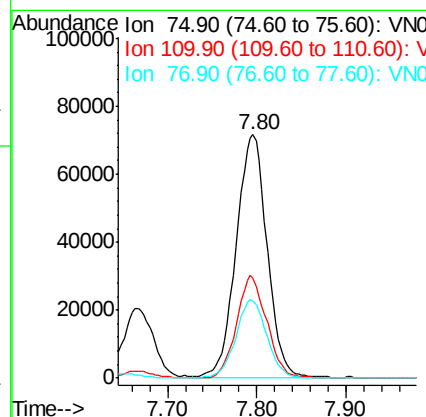
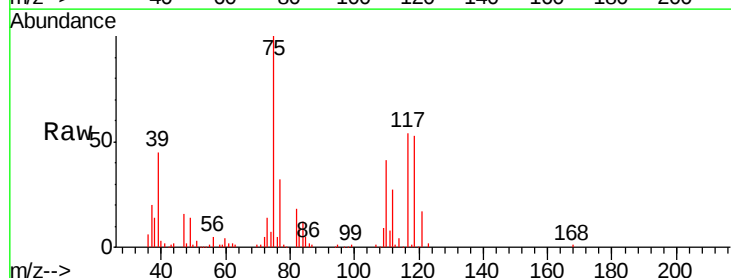
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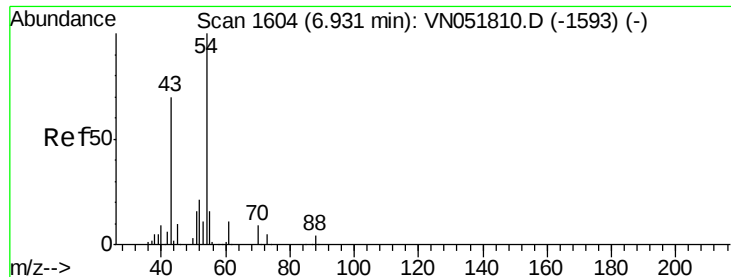
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#36
1,1-Dichloropropene
Concen: 17.28 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	171824		
110	41.0	18.1	54.4	
77	32.3	24.8	37.2	





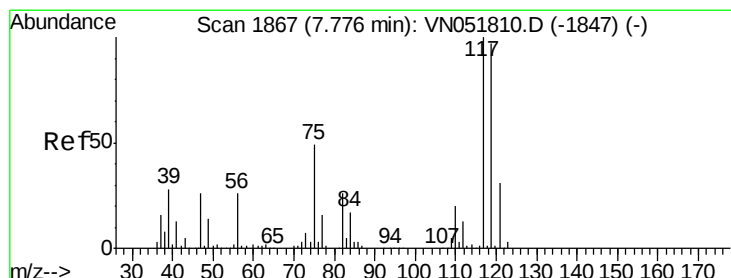
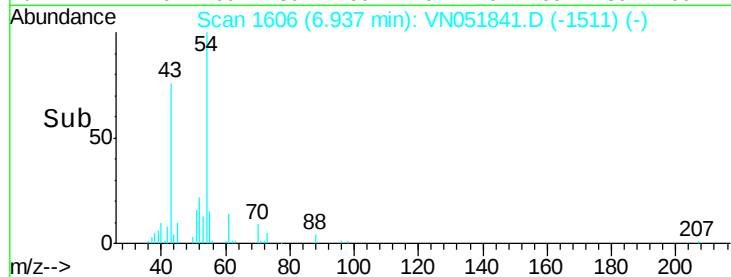
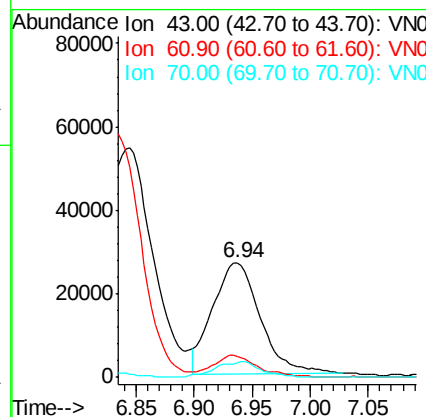
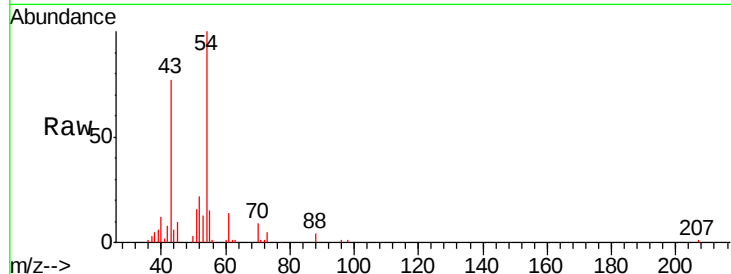
#37
Ethyl Acetate
Concen: 15.03 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	11.2	12.0	18.0#
70	13.6	8.6	13.0#

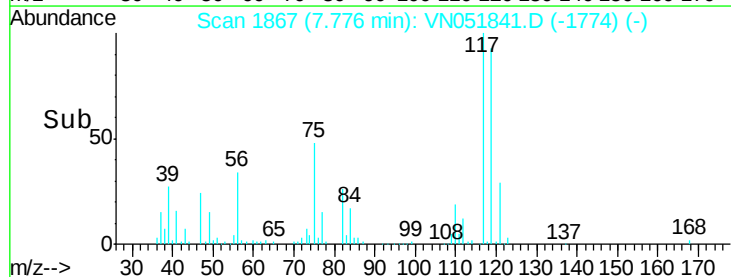
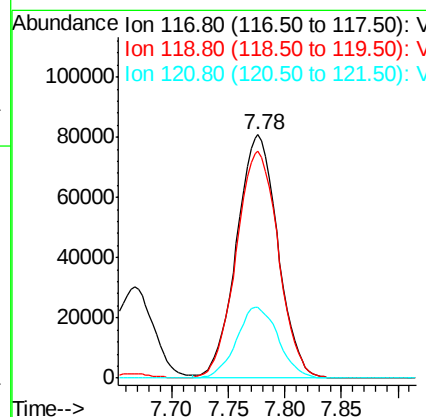
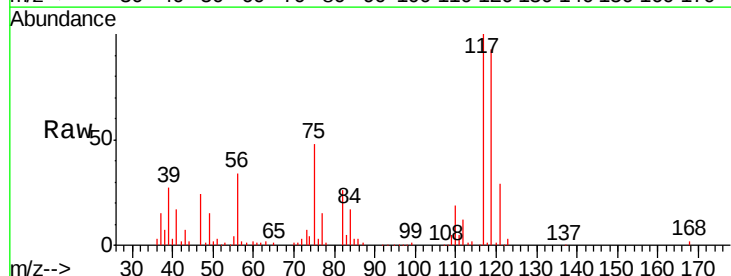
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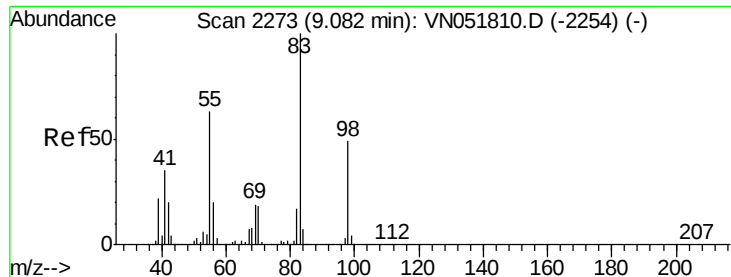
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.80 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.3	114.5
121	28.8	24.6	36.8





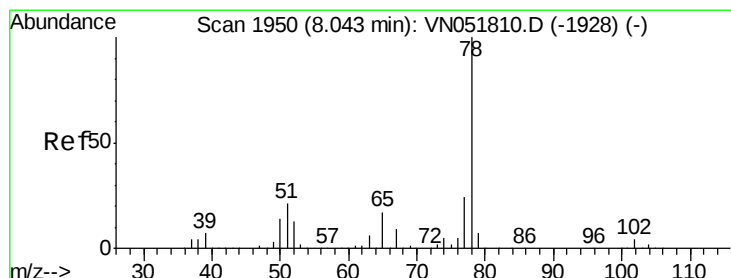
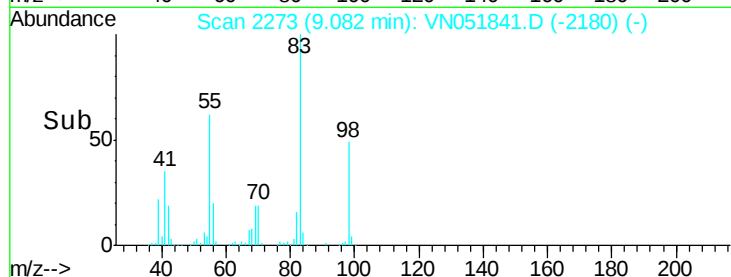
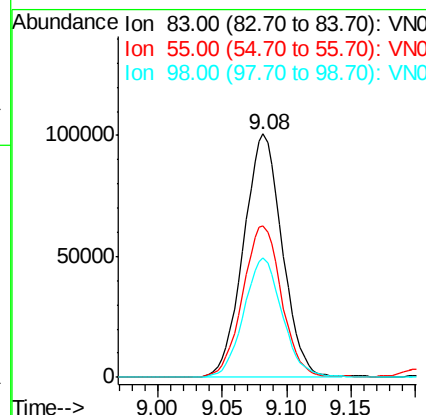
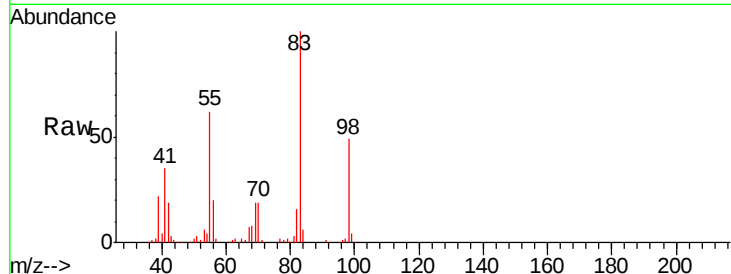
#39
Methylcyclohexane
Concen: 17.20 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS02

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	62.1	61.0	91.4
98	48.9	37.5	56.3

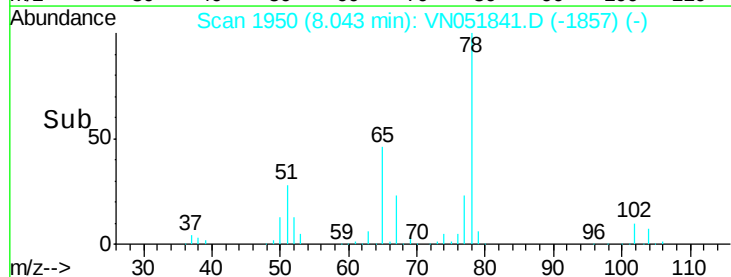
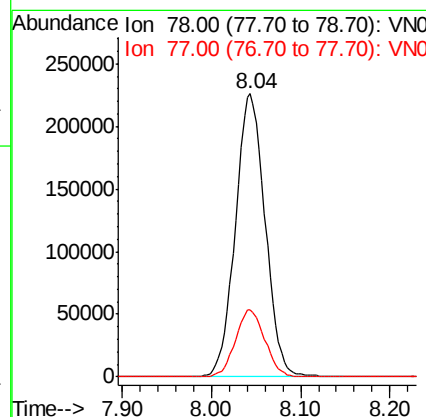
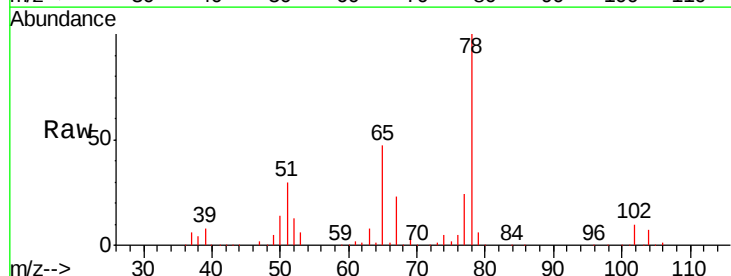
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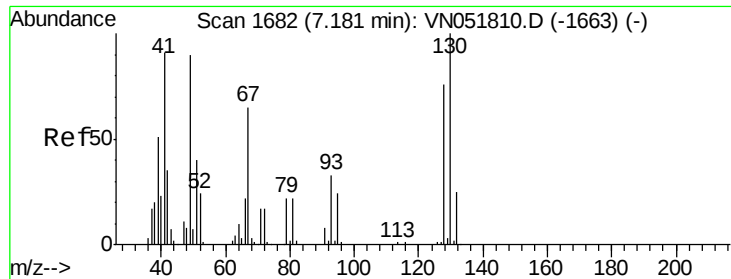
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#40
Benzene
Concen: 18.23 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	23.7	19.0	28.4





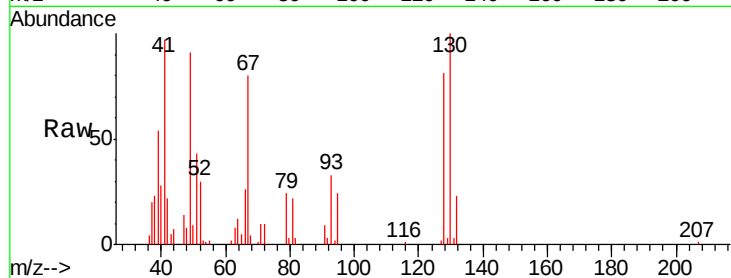
#41
Methacrylonitrile
Concen: 17.87 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS02

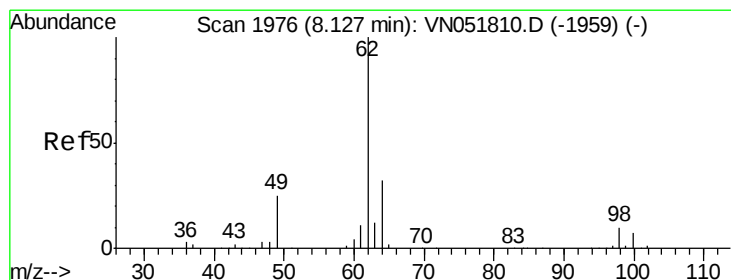
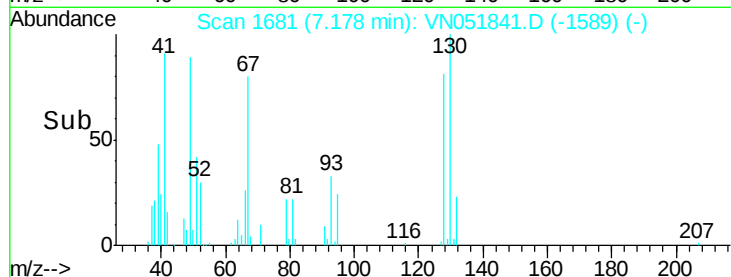
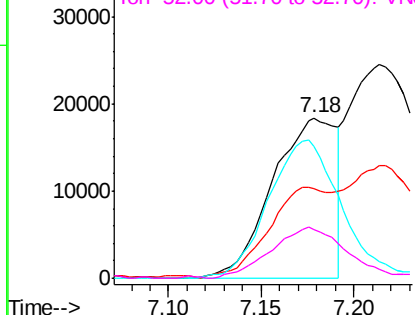
Tgt Ion: 41 Resp: 43995
Ion Ratio Lower Upper
41 100
39 50.1 45.4 68.0
67 99.2 70.6 106.0
52 38.2 27.1 40.7

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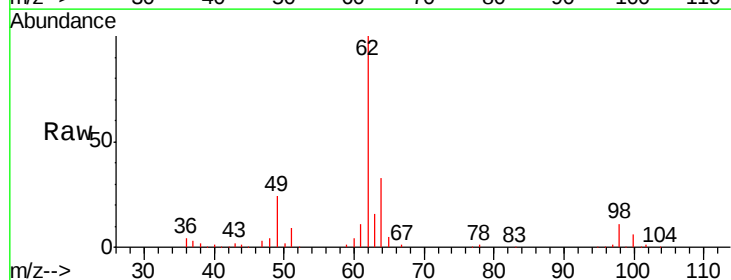


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

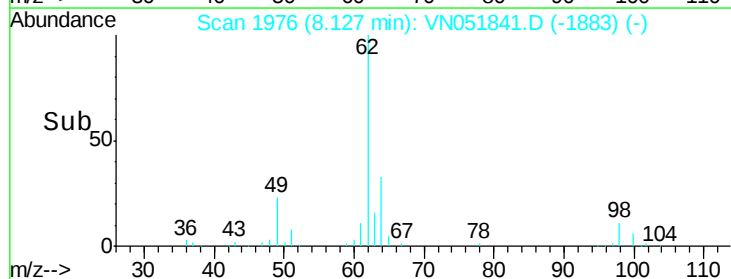
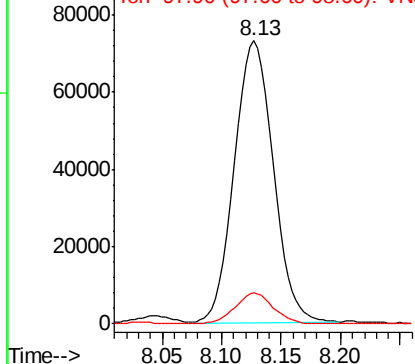


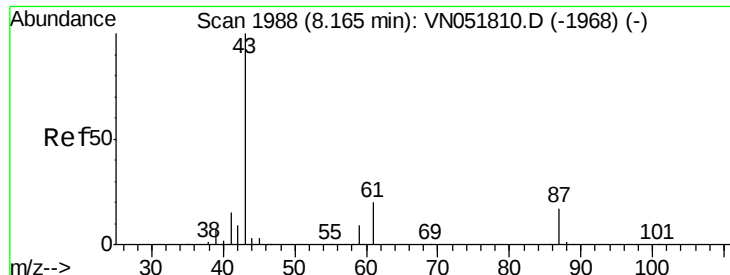
#42
1,2-Dichloroethane
Concen: 17.70 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Tgt Ion: 62 Resp: 166449
Ion Ratio Lower Upper
62 100
98 10.6 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





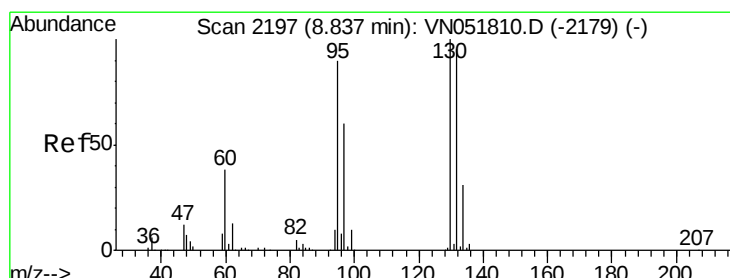
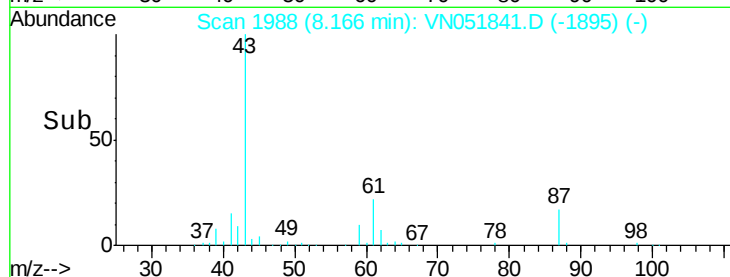
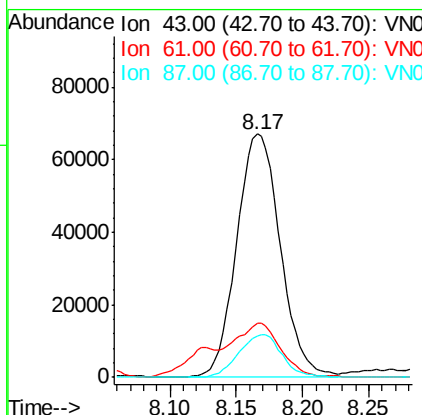
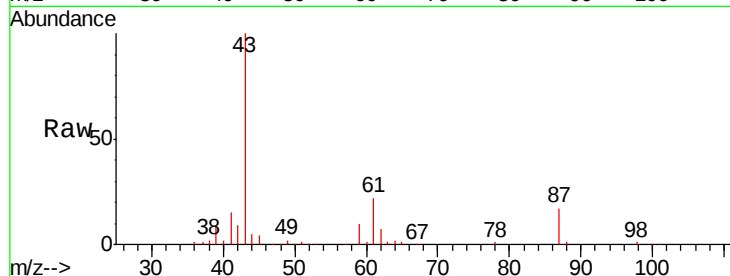
#43
Isopropyl Acetate
Concen: 14.55 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	22.0	17.5	26.3
87	17.5	11.3	16.9

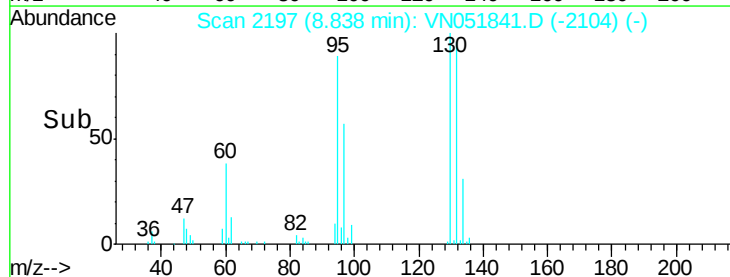
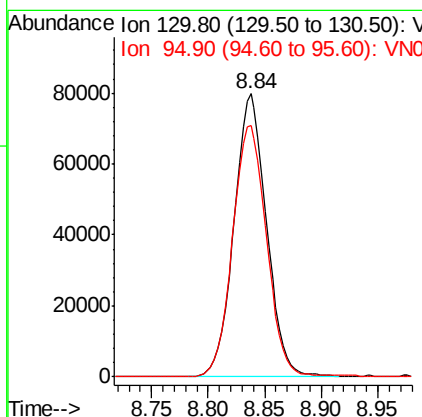
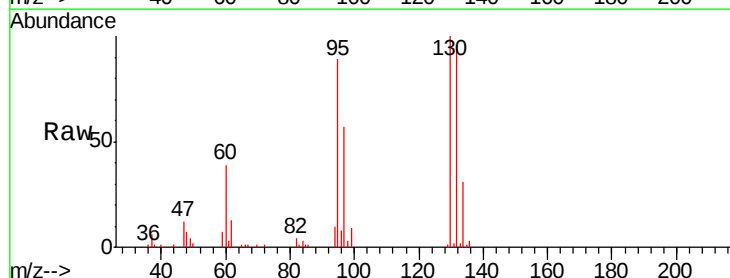
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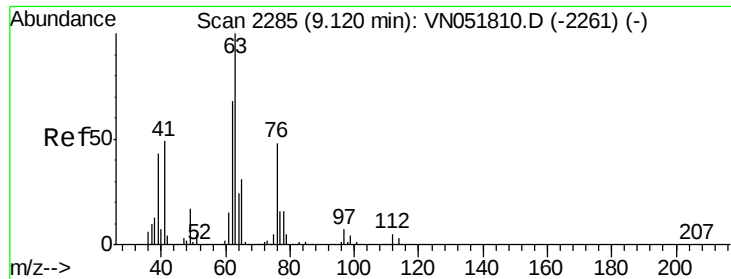
MMDadoda
10/15/2018 11:28:04 AM



#44
Trichloroethene
Concen: 18.30 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.9	0.0	193.0





#45

1,2-Dichloropropane

Concen: 18.07 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS02

Tgt Ion: 63 Resp: 121885

Ion Ratio Lower Upper

63 100

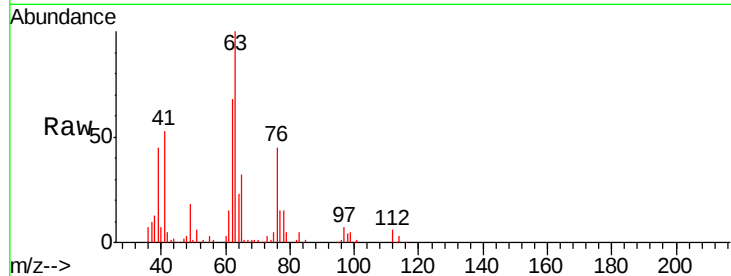
65 32.0 25.0 37.6

Manual Integrations

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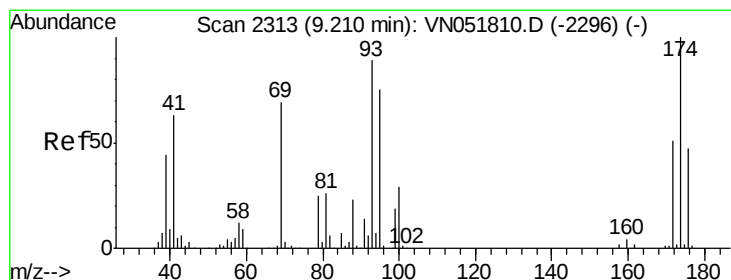
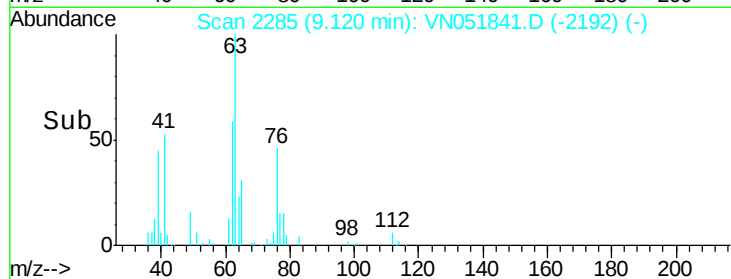
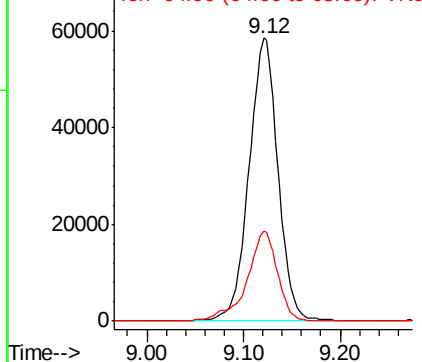
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 17.00 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

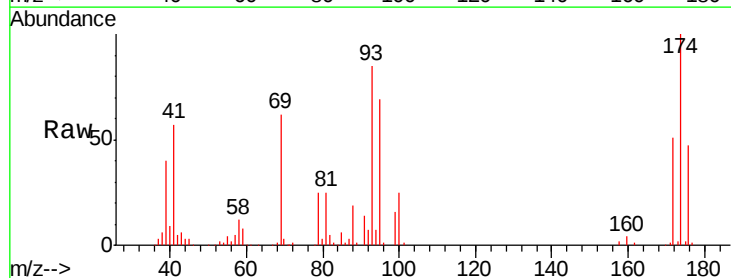
Tgt Ion: 93 Resp: 88001

Ion Ratio Lower Upper

93 100

95 83.4 66.7 100.1

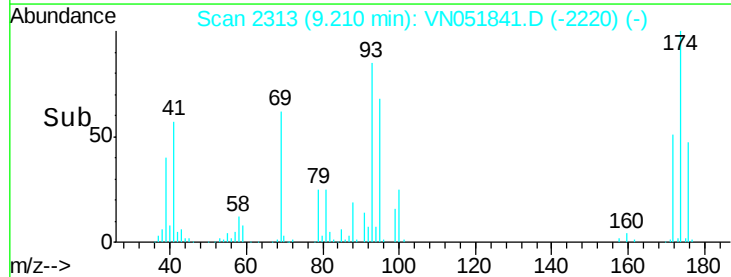
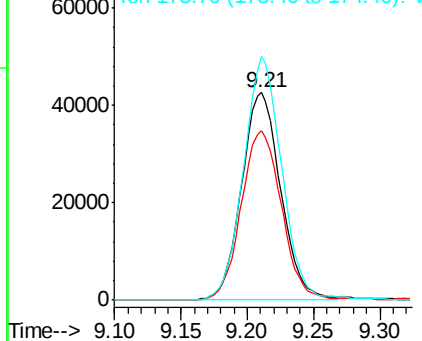
174 114.3 89.8 134.6

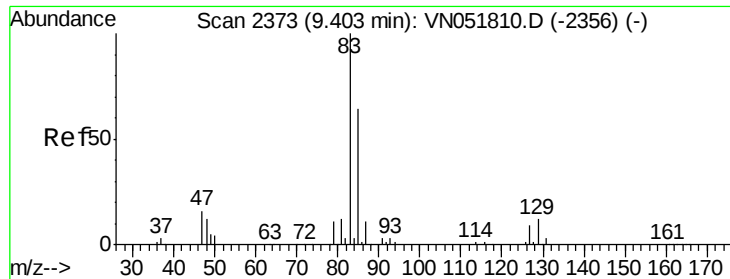


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 17.14 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

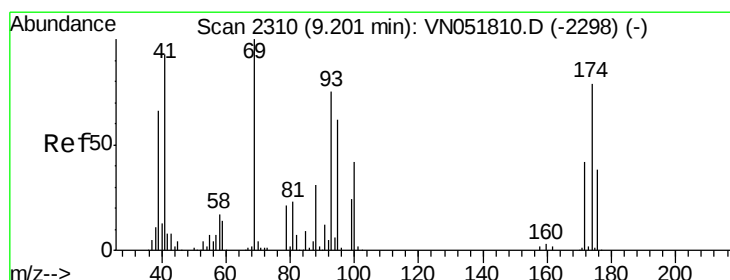
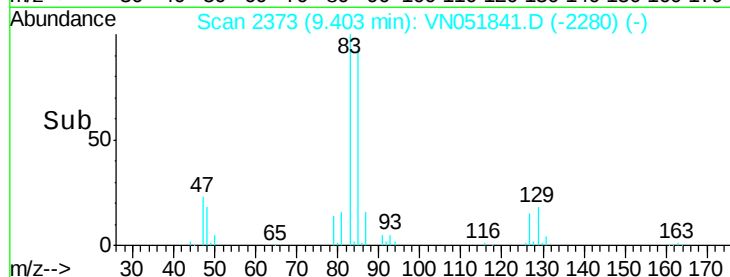
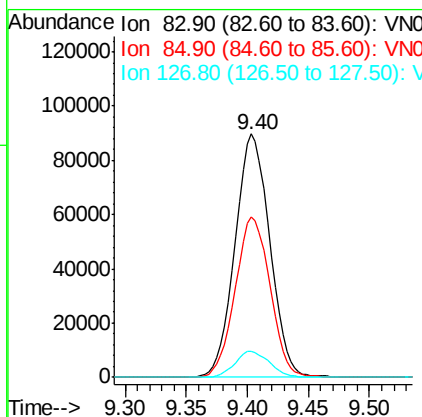
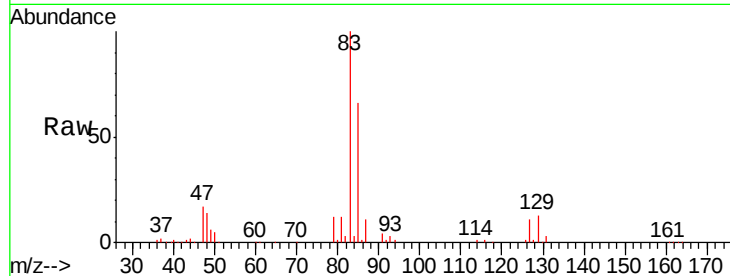
ClientSampleId :

VN1012WBS02

Tgt Ion:	83	Resp:	177301
Ion Ratio	Lower	Upper	
83	100		
85	66.1	52.6	78.8
127	10.7	7.2	10.8

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#48

Methyl methacrylate

Concen: 15.43 ug/l

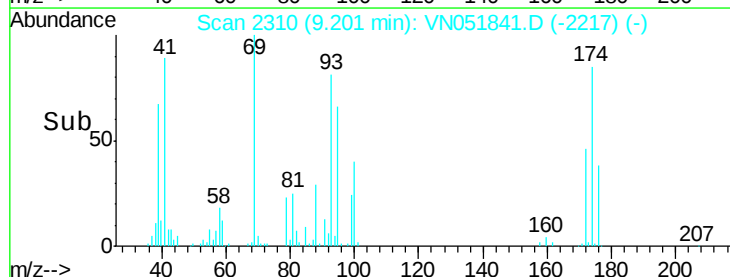
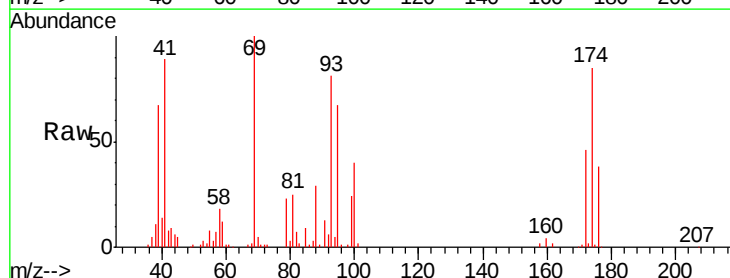
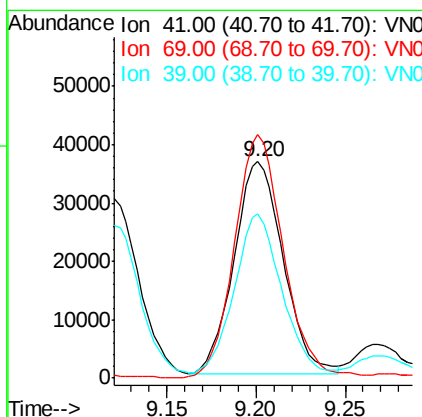
RT: 9.20 min Scan# 2310

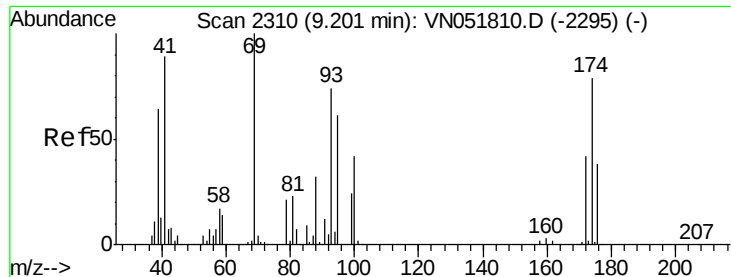
Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Tgt Ion:	41	Resp:	70205
Ion Ratio	Lower	Upper	
41	100		
69	114.3	74.7	112.1#
39	75.9	42.2	63.2#





#49

1,4-Dioxane

Concen: 313.35 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

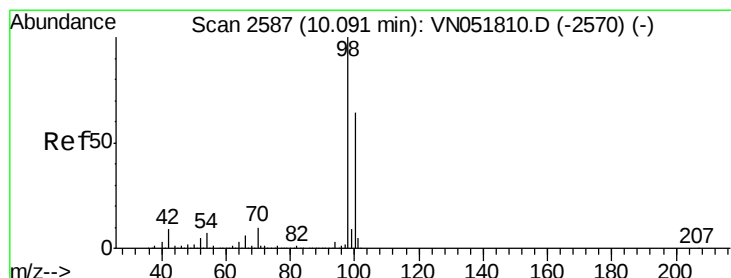
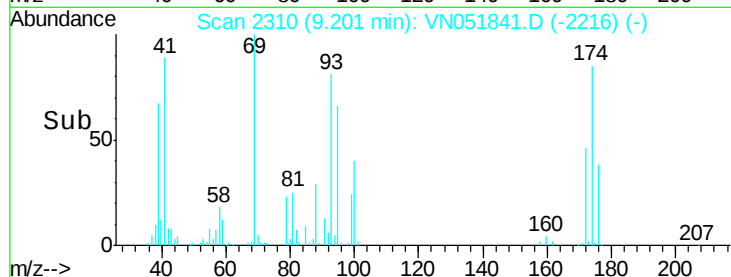
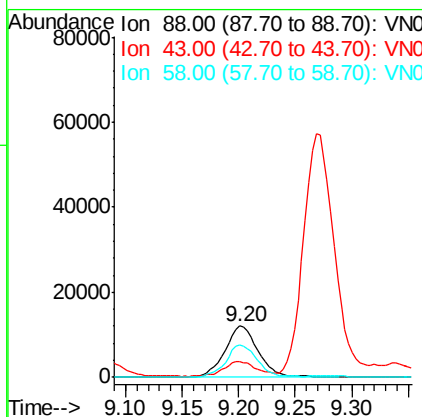
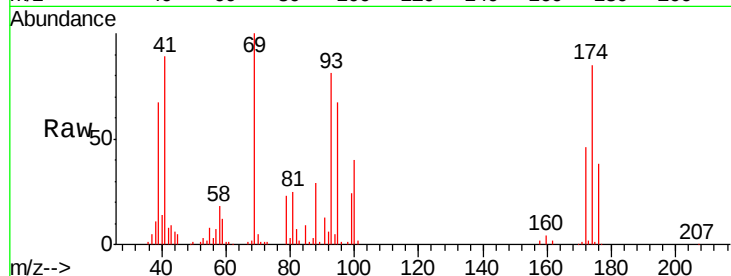
ClientSampleId :

VN1012WBS02

Tgt Ion:	88	Resp:	24835
Ion Ratio	Lower	Upper	
88	100		
43	27.9	25.9	38.9
58	59.8	55.0	82.4

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#50

Toluene-d8

Concen: 313.35 ug/l

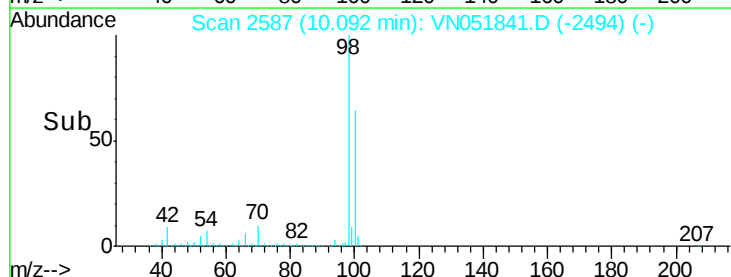
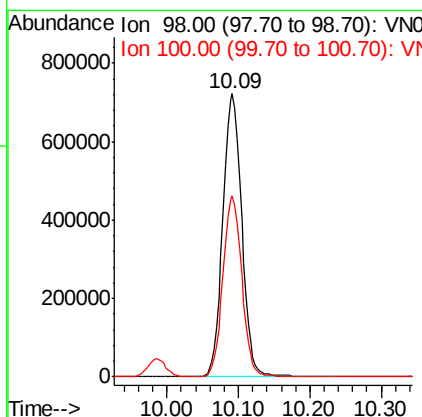
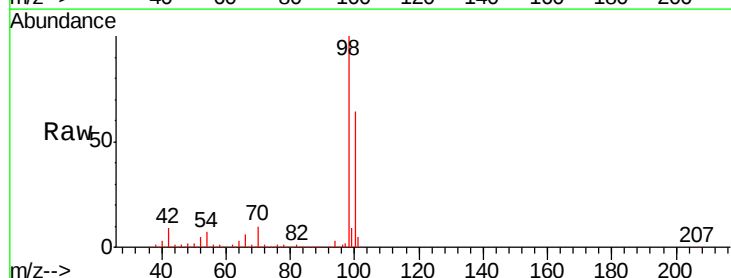
RT: 10.09 min Scan# 2587

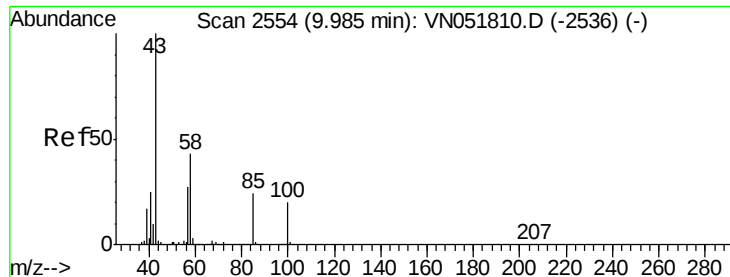
Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Tgt Ion:	98	Resp:	1336635
Ion Ratio	Lower	Upper	
98	100		
100	63.8	51.5	77.3





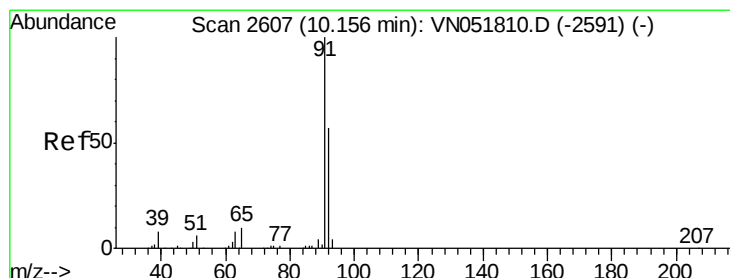
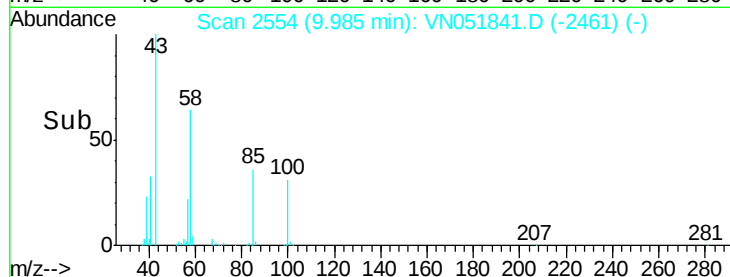
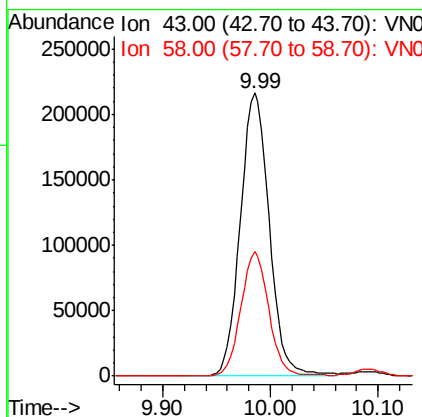
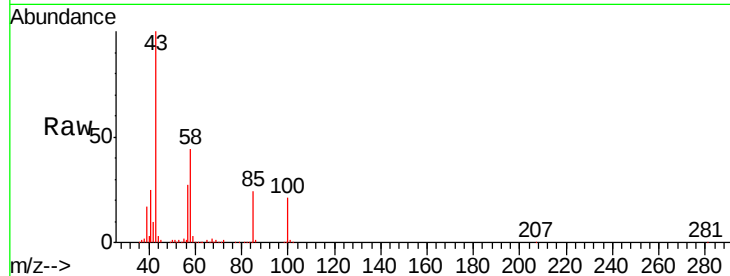
#51
 4-Methyl-2-Pentanone
 Concen: 76.22 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051841.D
 Acq: 12 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS02

Tgt Ion: 43 Resp: 404055
 Ion Ratio Lower Upper
 43 100
 58 42.3 32.4 48.6

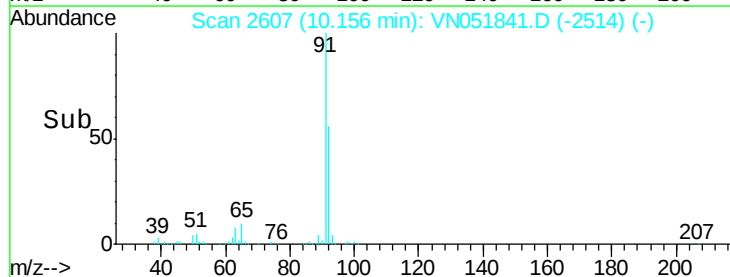
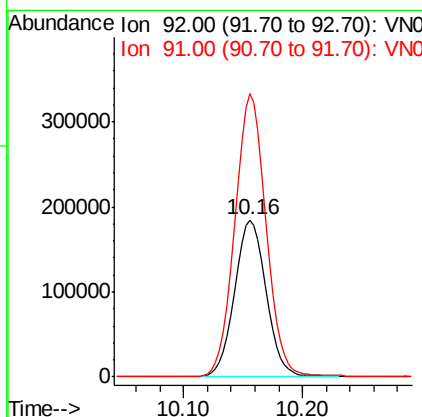
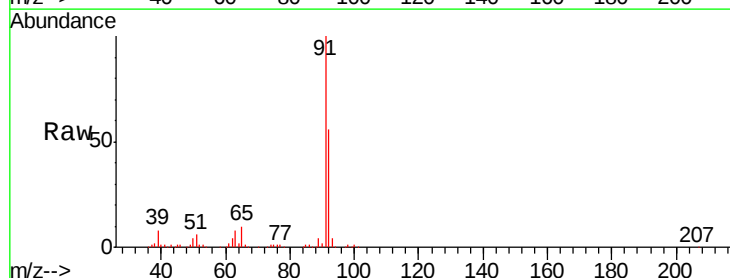
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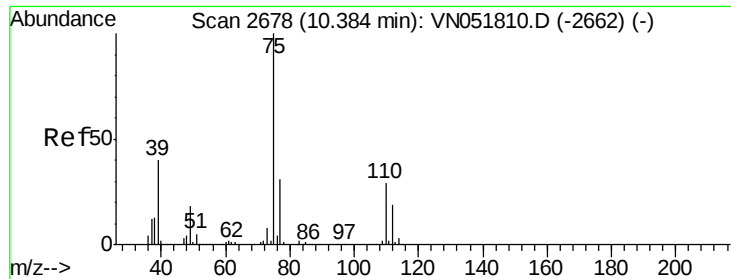
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#52
 Toluene
 Concen: 17.63 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN051841.D
 Acq: 12 Oct 2018 19:32

Tgt Ion: 92 Resp: 339719
 Ion Ratio Lower Upper
 92 100
 91 179.3 140.6 211.0





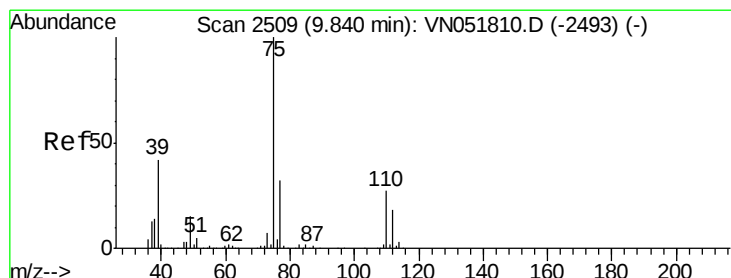
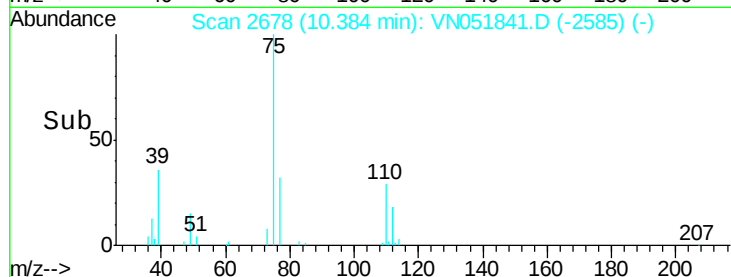
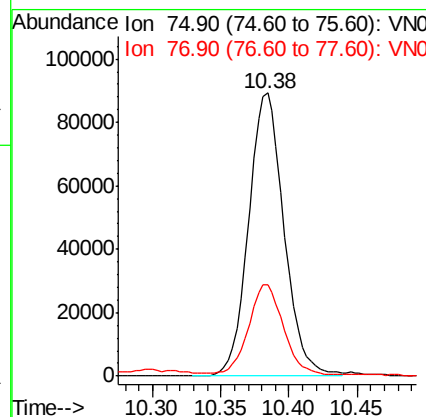
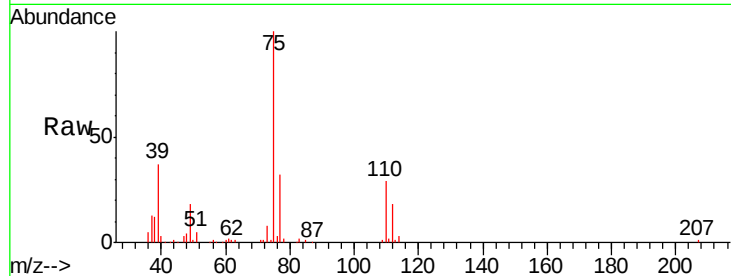
#53
 t-1,3-Dichloropropene
 Concen: 15.51 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN051841.D
 Acq: 12 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS02

Tgt Ion: 75 Resp: 160758
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.7 38.5

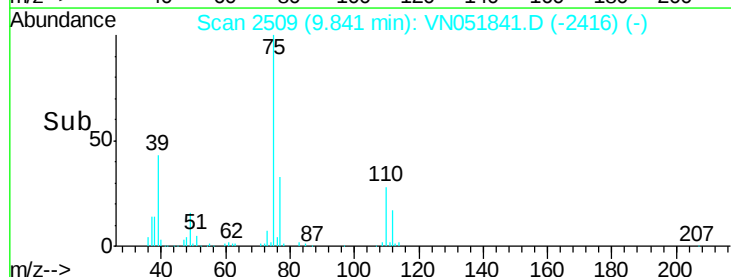
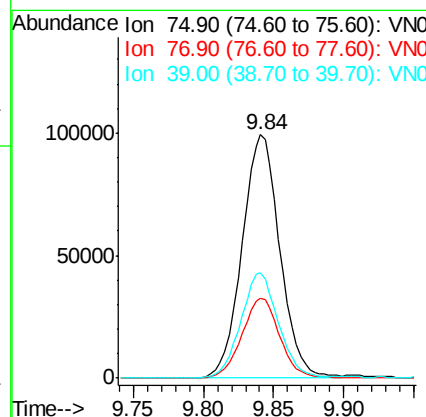
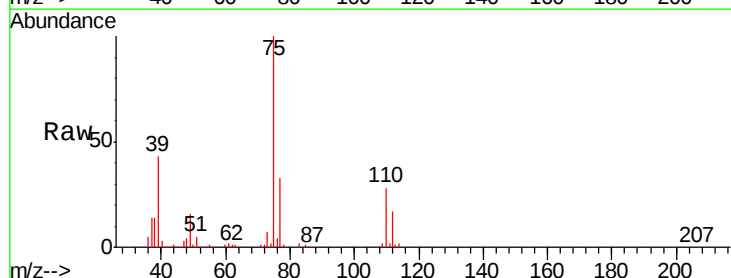
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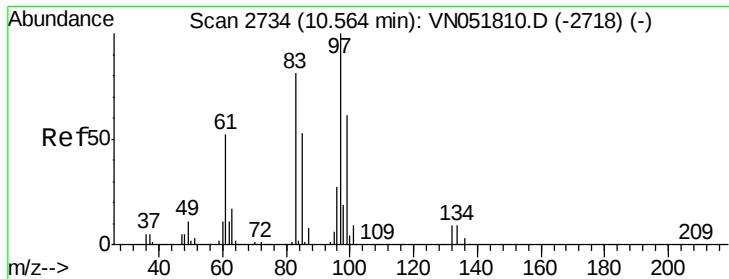
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#54
 cis-1,3-Dichloropropene
 Concen: 16.38 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051841.D
 Acq: 12 Oct 2018 19:32

Tgt Ion: 75 Resp: 186403
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.4 38.2
 39 43.5 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 17.57 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

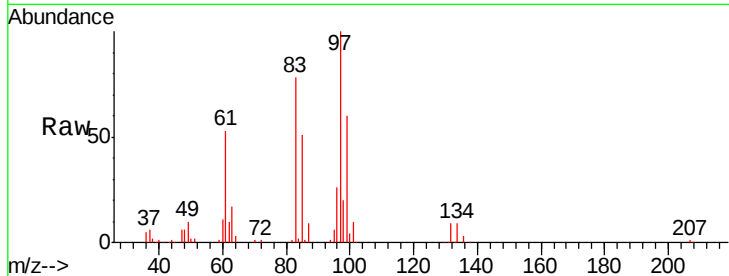
ClientSampleId :

VN1012WBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	77.6	69.7	104.5
85	51.1	44.5	66.7
99	60.3	50.7	76.1

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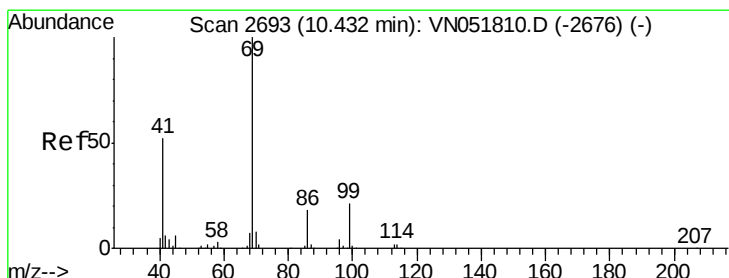
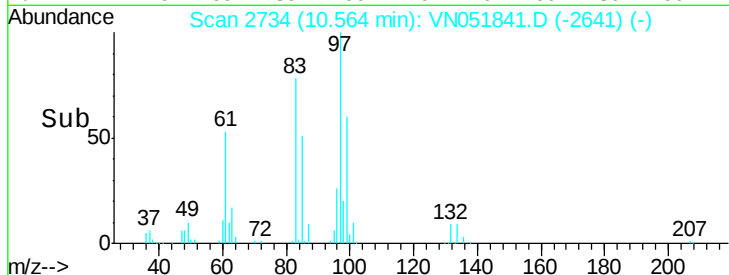
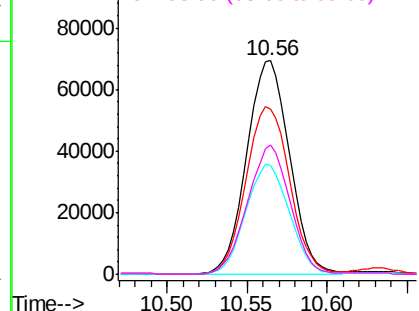
Abundance

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: 15.84 ug/l

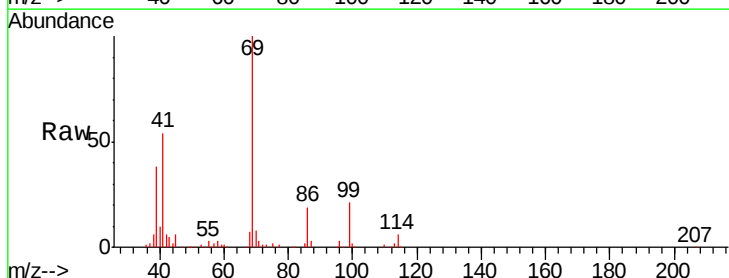
RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	52.7	48.3	72.5
39	38.9	24.0	36.0#

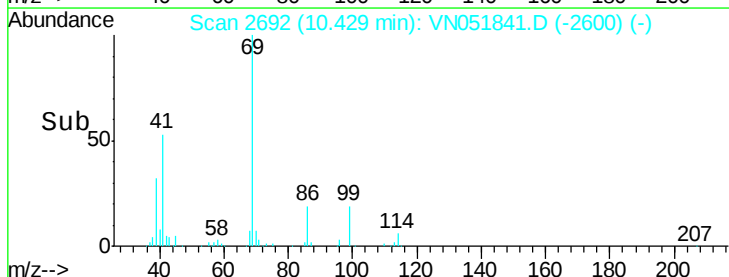
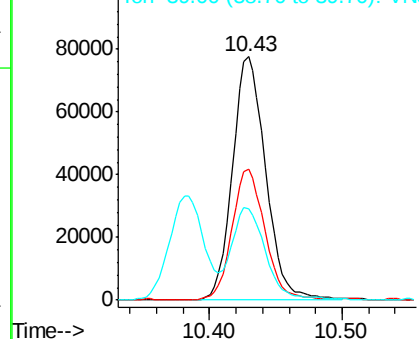


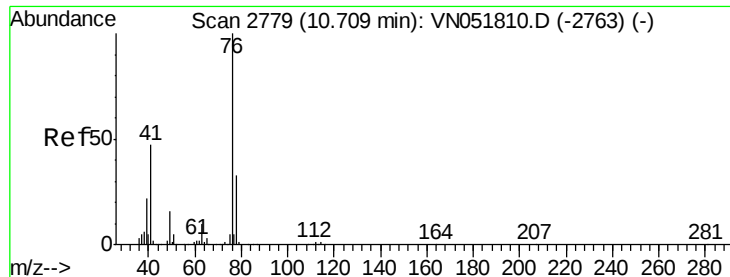
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





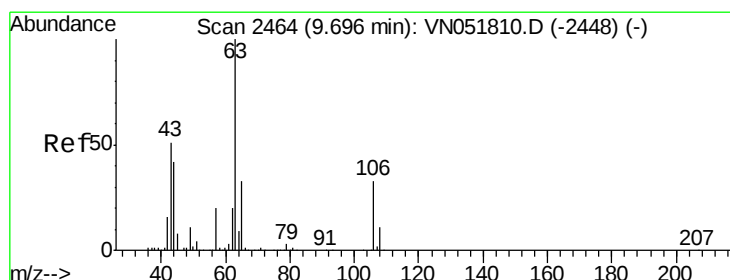
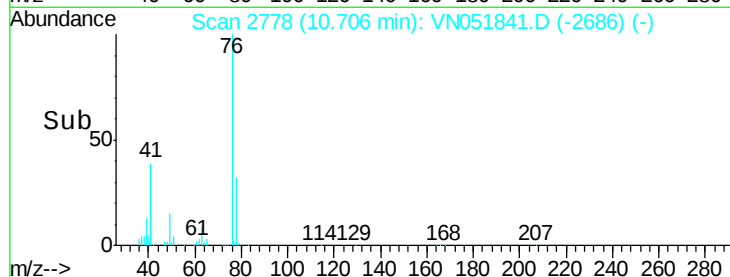
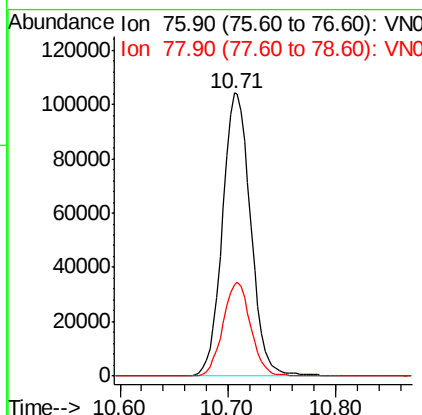
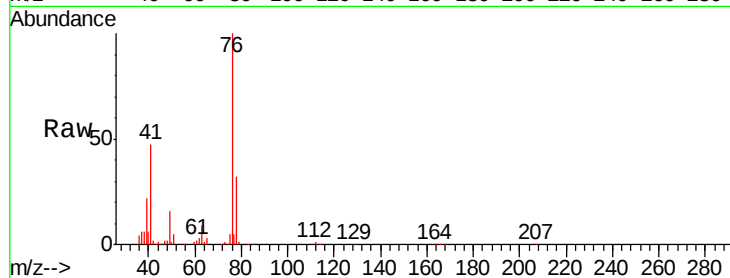
#57
 1,3-Dichloropropane
 Concen: 16.88 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN051841.D
 Acq: 12 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

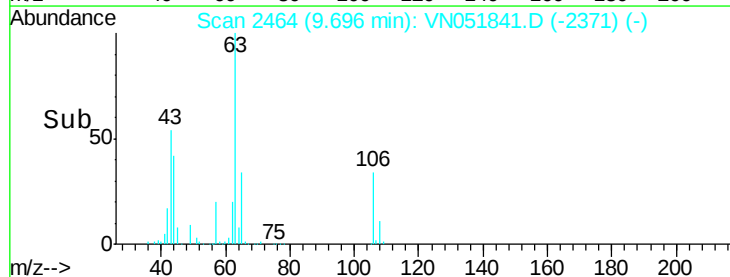
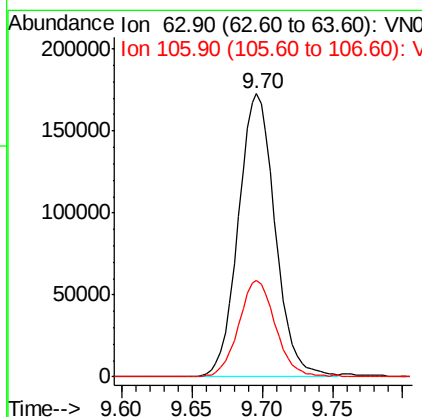
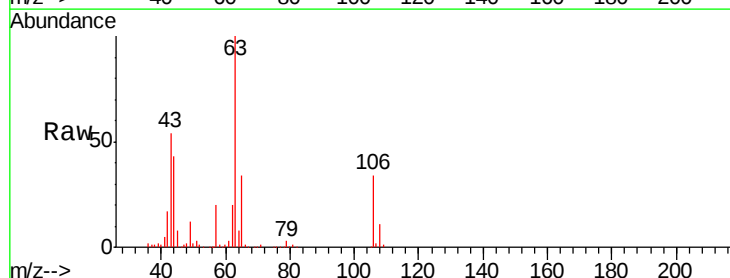
Manual Integrations
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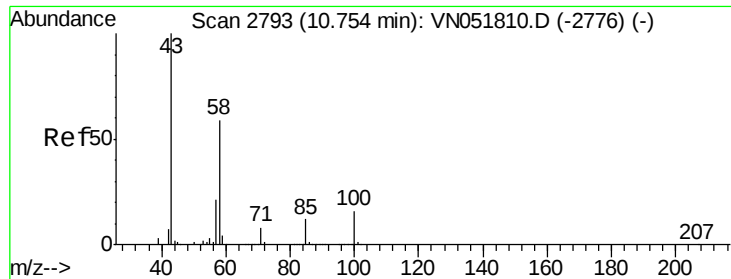
MMDadoda
 10/15/2018 11:28:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 84.95 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051841.D
 Acq: 12 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.1	21.9	32.9





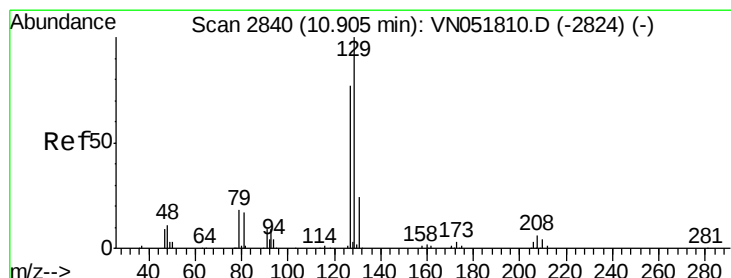
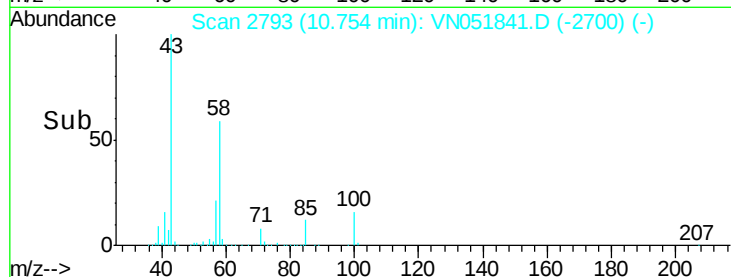
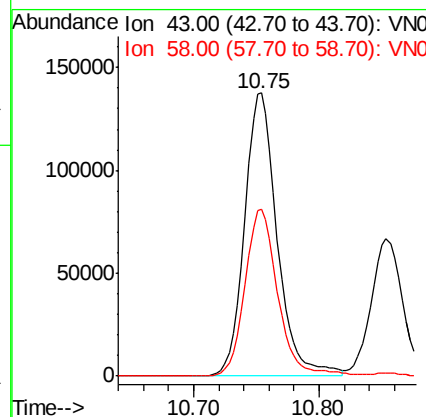
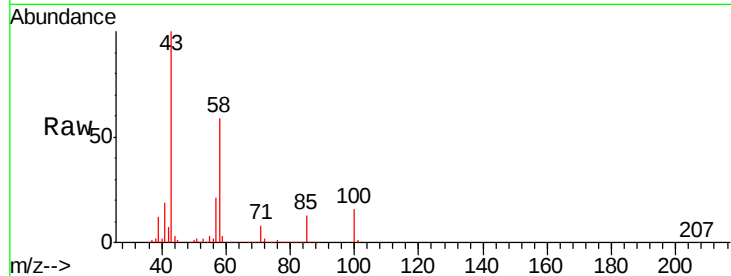
#59
2-Hexanone
Concen: 66.51 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS02

Tgt Ion: 43 Resp: 247617
Ion Ratio Lower Upper
43 100
58 59.9 28.3 85.0

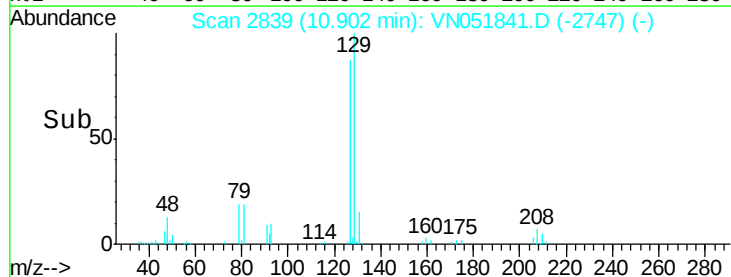
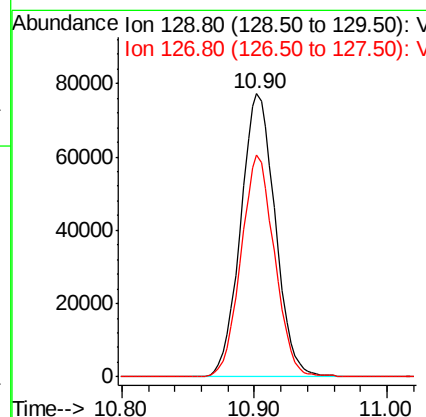
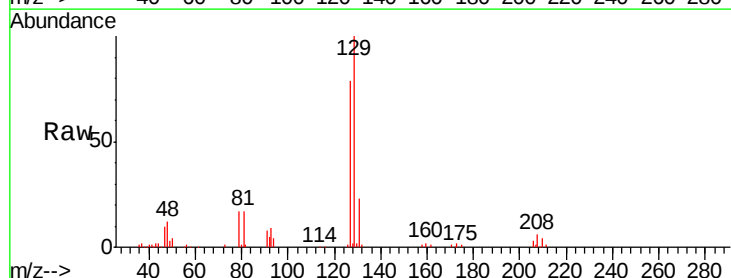
Manual Integrations
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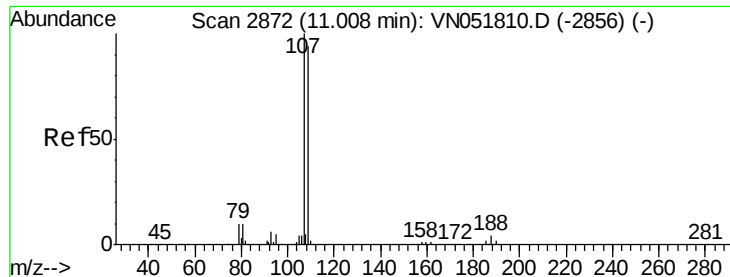
MMDadoda
10/15/2018 11:28:04 AM



#60
Dibromochloromethane
Concen: 16.26 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Tgt Ion: 129 Resp: 139909
Ion Ratio Lower Upper
129 100
127 76.2 38.3 114.9





#61

1,2-Dibromoethane

Concen: 17.13 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS02

Tgt Ion: 107 Resp: 127867

Ion Ratio Lower Upper

107 100

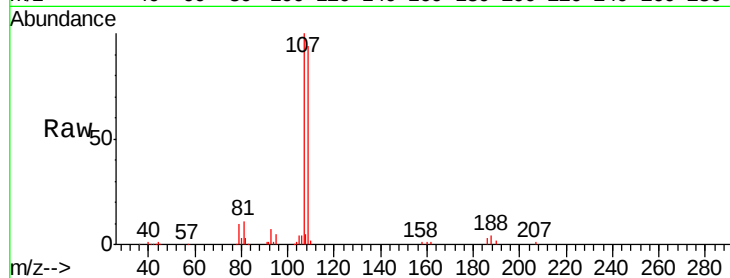
109 92.4 75.4 113.2

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

80000

60000

40000

20000

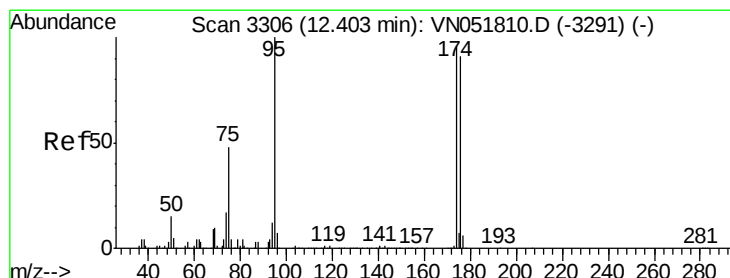
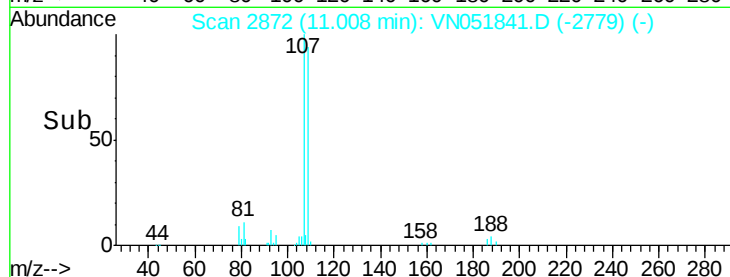
0

11.01

10.90

11.10

Time-->



#62

4-Bromofluorobenzene

Concen: 17.13 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

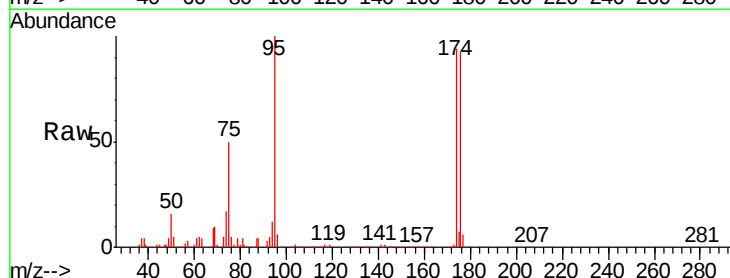
Tgt Ion: 95 Resp: 419114

Ion Ratio Lower Upper

95 100

174 95.9 0.0 183.0

176 93.0 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

200000

100000

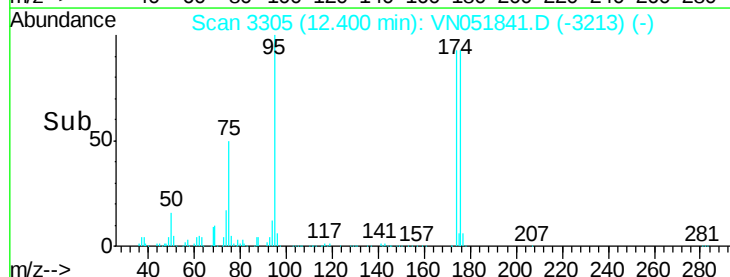
0

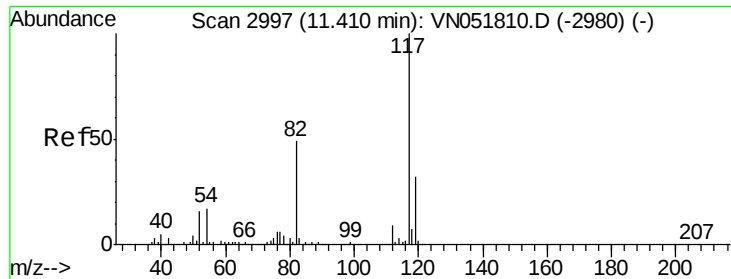
12.40

12.35

12.45

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS02

Tgt Ion:117 Resp: 1070418

Ion Ratio Lower Upper

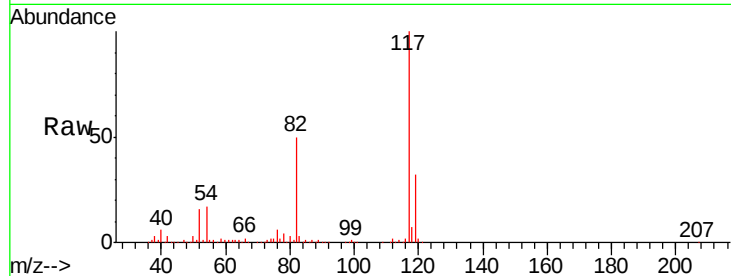
117 100

82 50.4 42.6 64.0

119 31.8 25.8 38.6

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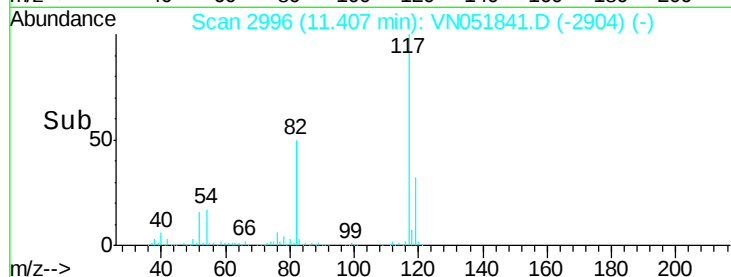


Abundance Ion 116.90 (116.60 to 117.60): V

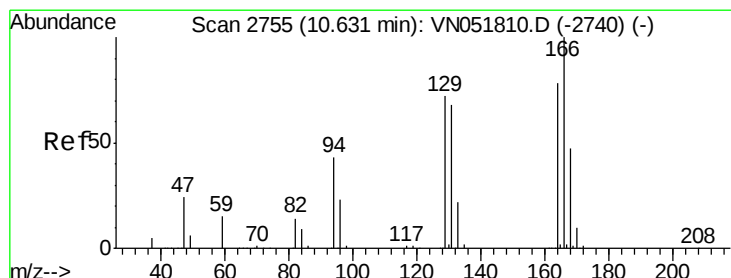
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

Time-->



Time-->



#64

Tetrachloroethene

Concen: 19.36 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Tgt Ion:164 Resp: 158922

Ion Ratio Lower Upper

164 100

166 125.8 103.5 155.3

129 88.5 72.7 109.1

131 91.4 69.5 104.3

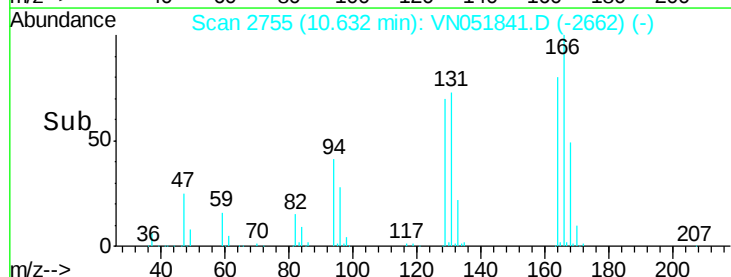
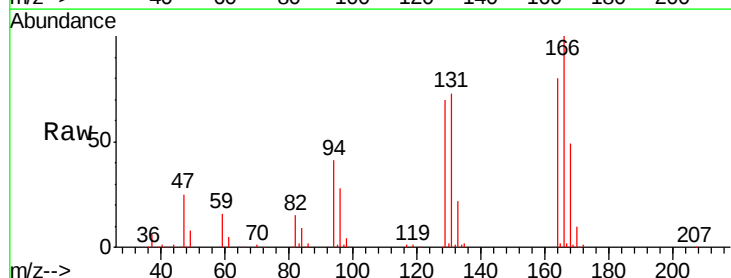
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

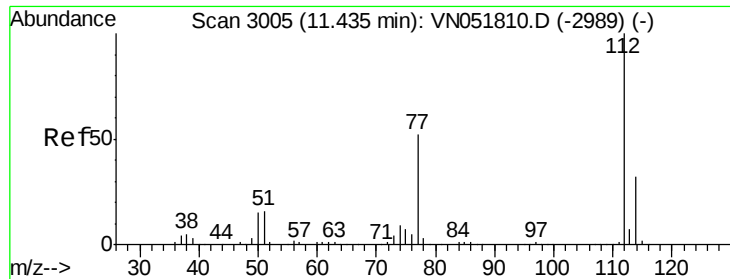
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



Time-->



#65

Chlorobenzene

Concen: 18.08 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS02

Tgt Ion:112 Resp: 391415

Ion Ratio Lower Upper

112 100

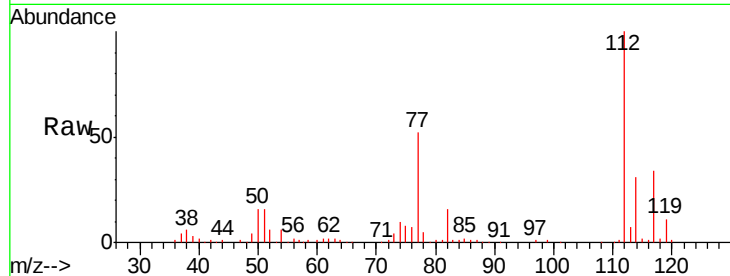
114 31.3 25.6 38.4

Manual Integrations

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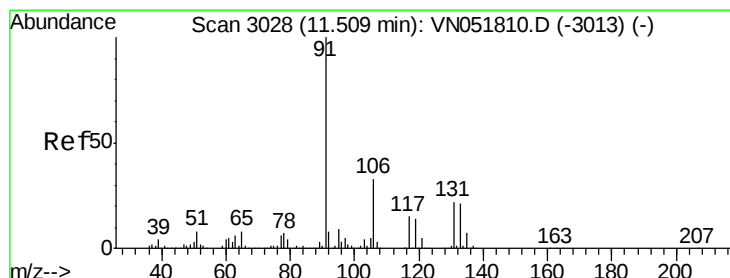
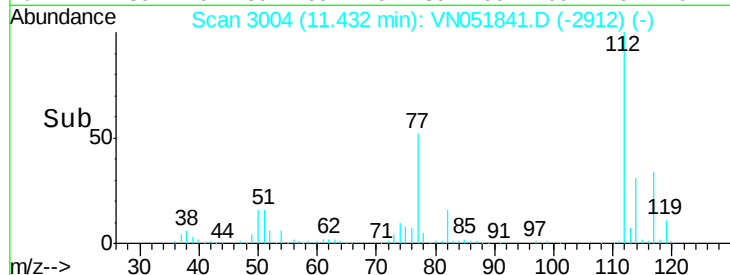
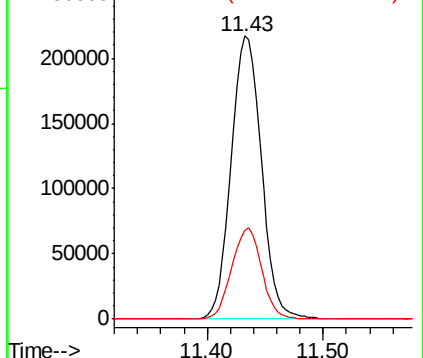
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.91 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

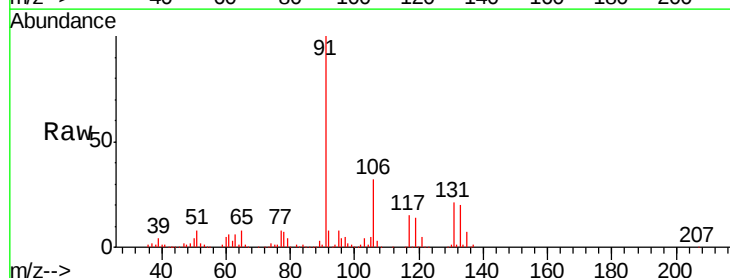
Tgt Ion:131 Resp: 147734

Ion Ratio Lower Upper

131 100

133 92.2 47.4 142.3

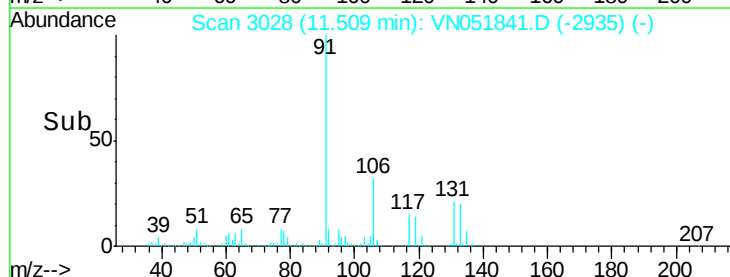
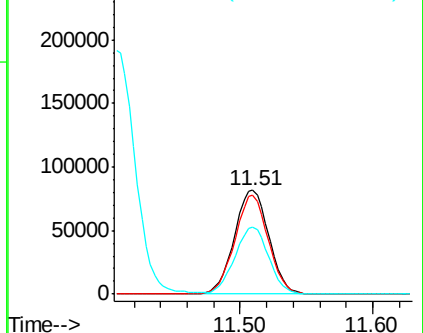
119 63.7 32.8 98.4

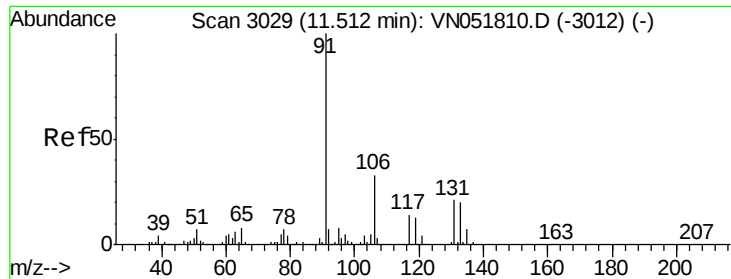


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.08 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS02

Tgt Ion: 91 Resp: 648097

Ion Ratio Lower Upper

91 100

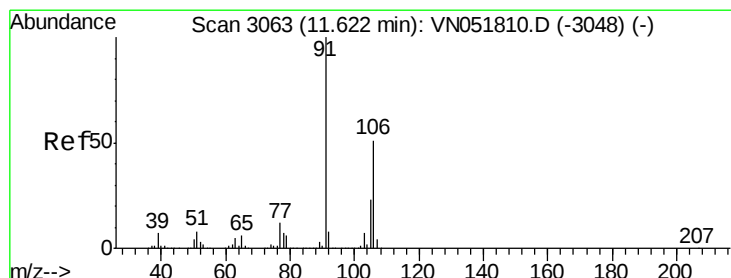
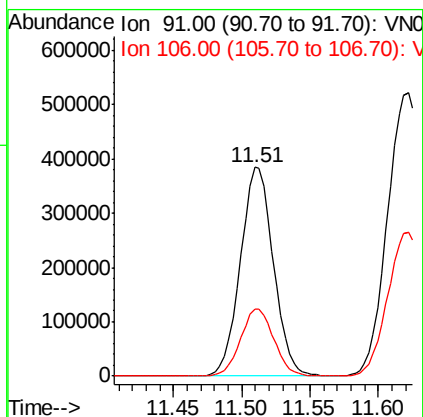
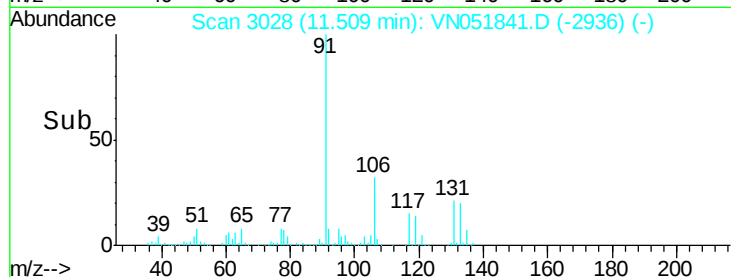
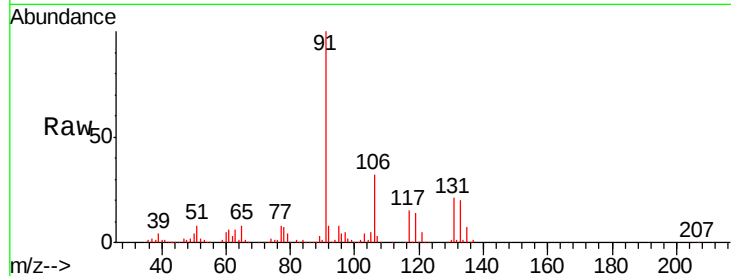
106 32.0 25.0 37.4

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#68

m/p-Xylenes

Concen: 35.31 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051841.D

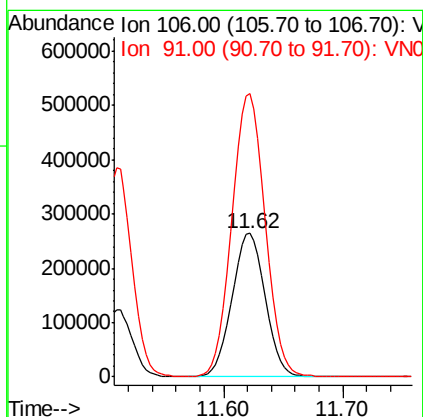
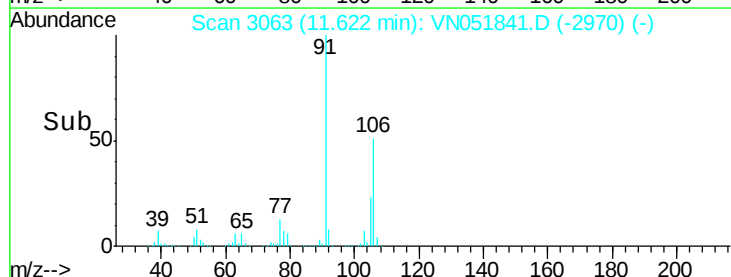
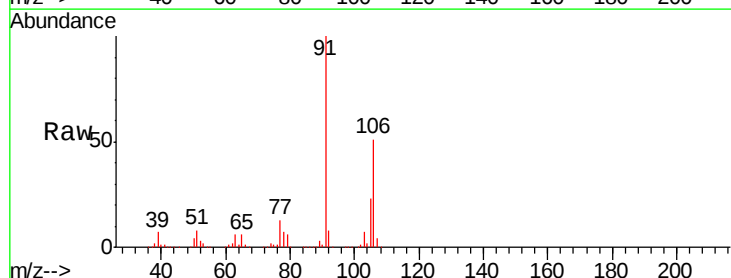
Acq: 12 Oct 2018 19:32

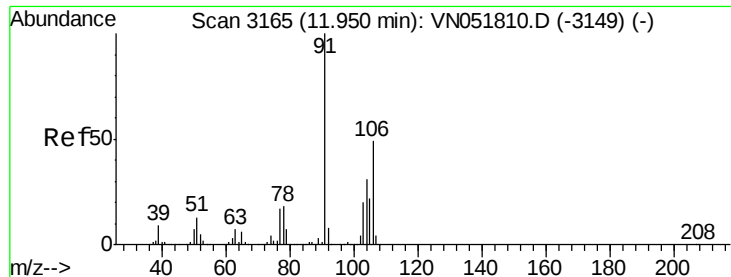
Tgt Ion: 106 Resp: 511080

Ion Ratio Lower Upper

106 100

91 197.7 161.0 241.6





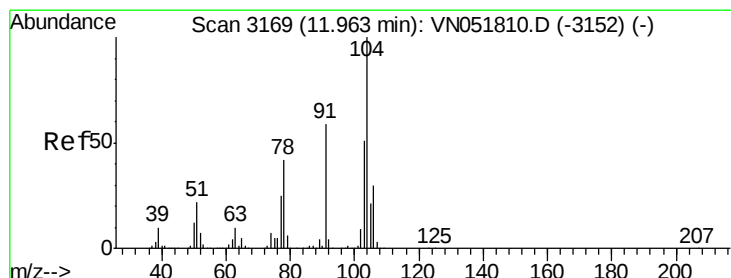
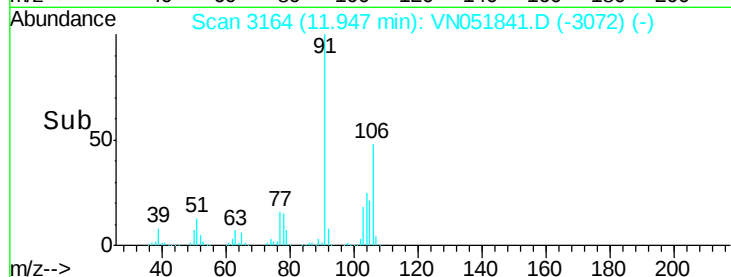
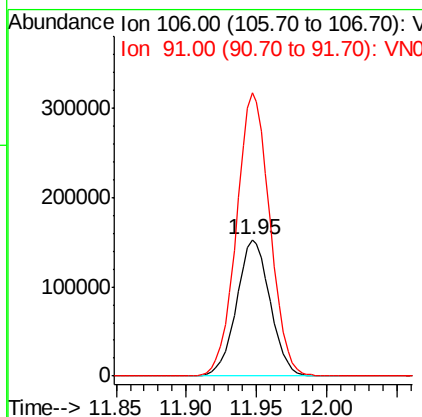
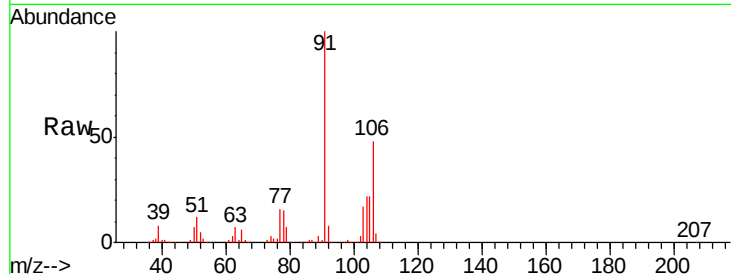
#69
o-Xylene
Concen: 18.08 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS02

Tgt Ion	Ratio	Lower	Upper
106	100		
91	207.0	106.5	319.5

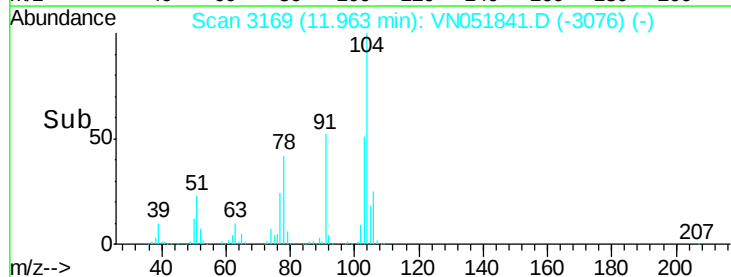
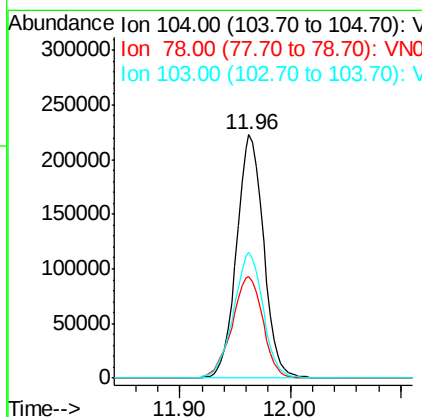
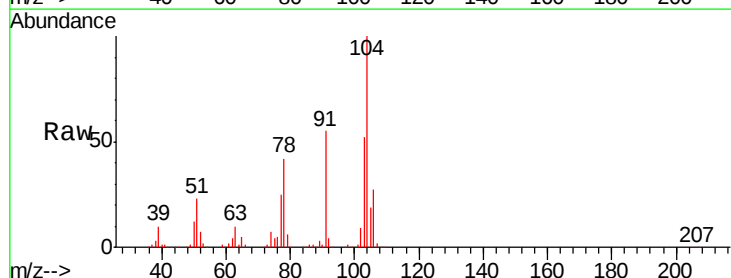
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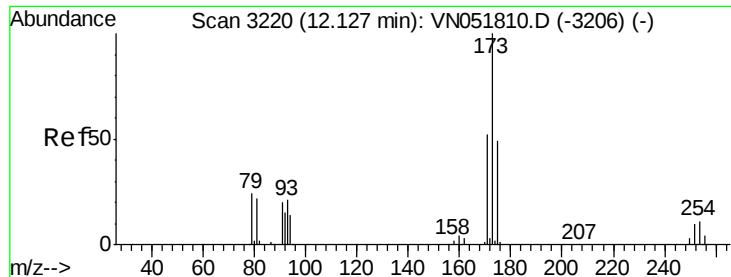
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#70
Styrene
Concen: 17.46 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	38.2	57.4
103	56.3	44.4	66.6





#71

Bromoform

Concen: 15.60 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS02

Tgt Ion:173 Resp: 84104

Ion Ratio Lower Upper

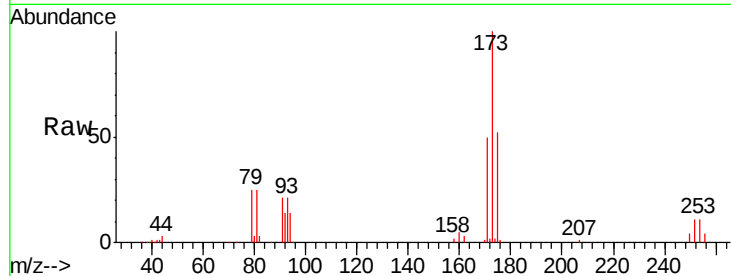
173 100

175 48.8 24.4 73.4

254 0.0 0.1 0.1#

Manual Integrations
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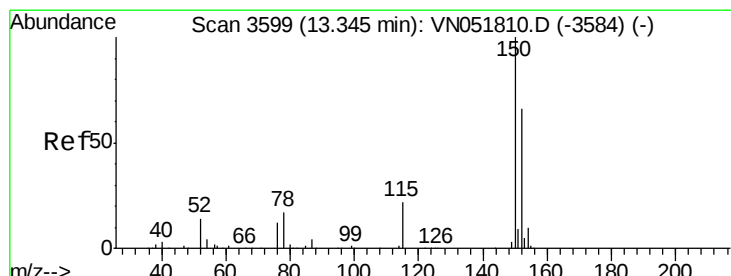
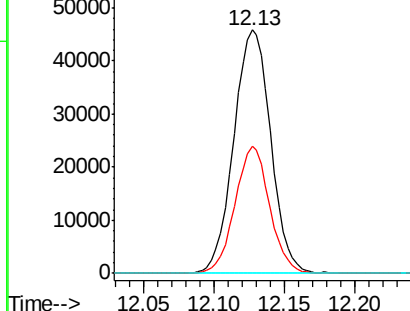
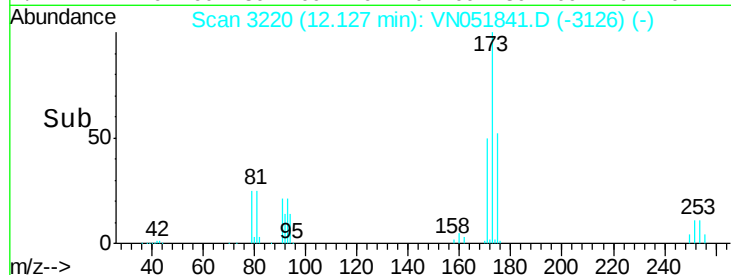
MMDadoda
10/15/2018 11:28:04 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

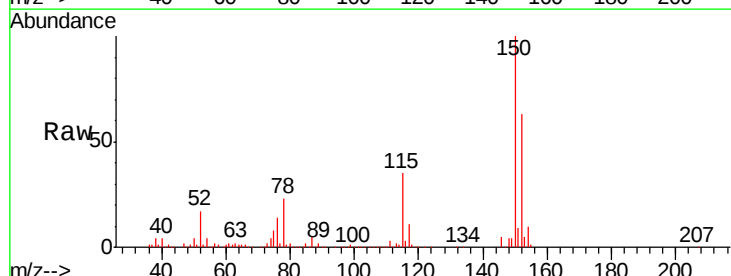
Tgt Ion:152 Resp: 453424

Ion Ratio Lower Upper

152 100

115 54.9 27.8 83.4

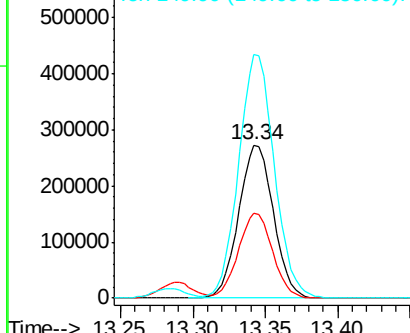
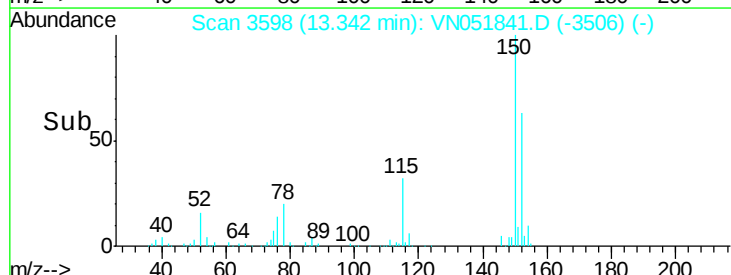
150 163.8 0.0 351.4

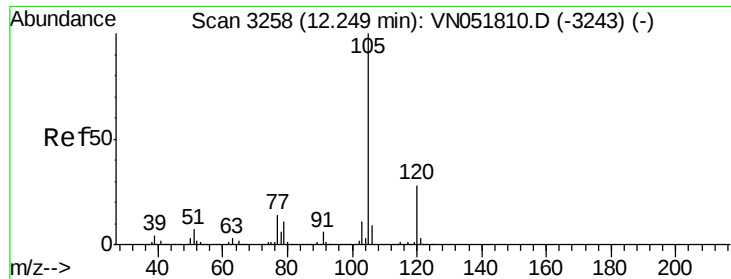


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.43 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS02

Tgt Ion: 105 Resp: 678731

Ion Ratio Lower Upper

105 100

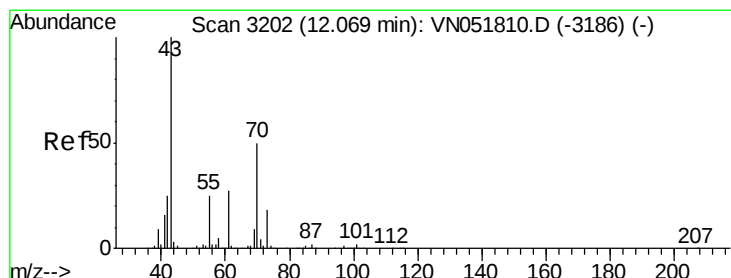
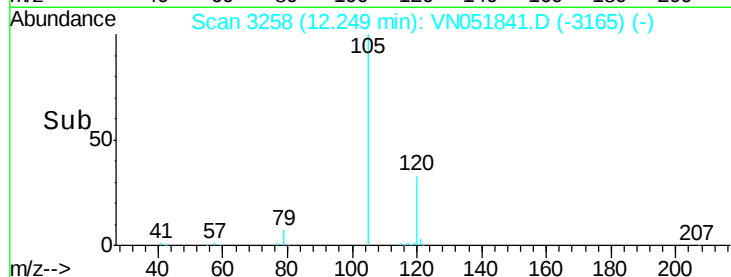
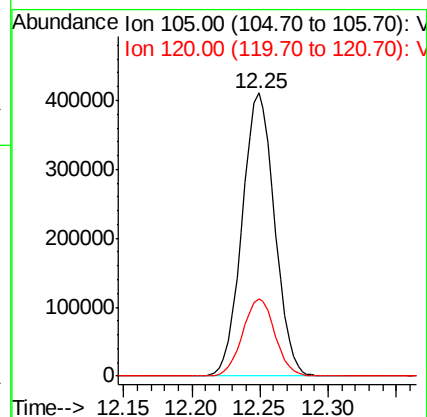
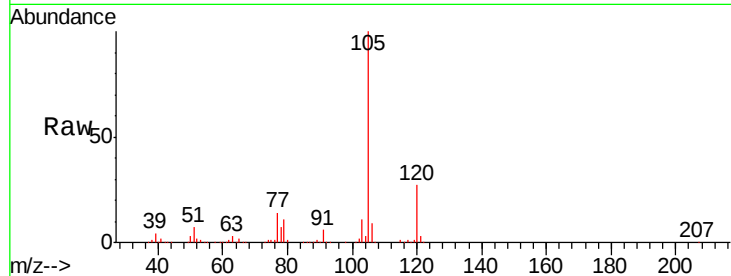
120 27.3 13.5 40.4

Manual Integrations

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10/15/2018 11:28:04 AM



#74

N-ethyl acetate

Concen: 16.43 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Tgt Ion: 43 Resp: 113841

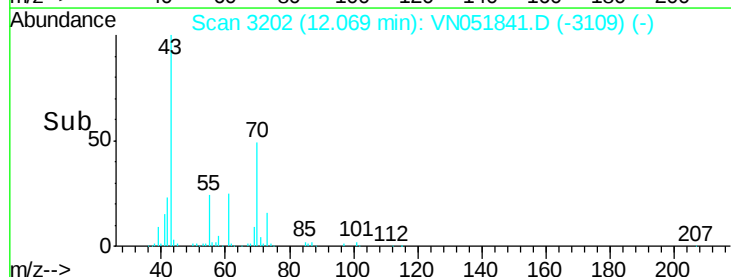
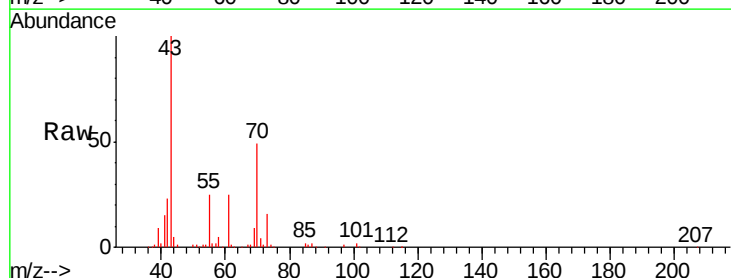
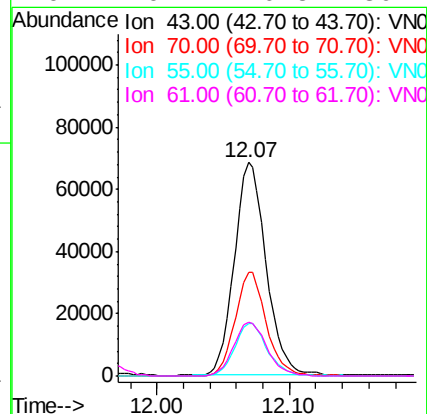
Ion Ratio Lower Upper

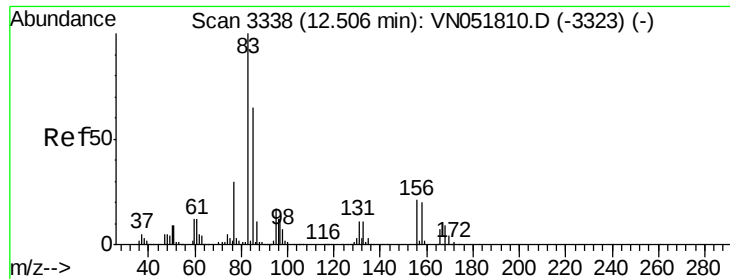
43 100

70 47.9 36.2 54.2

55 25.4 21.8 32.8

61 26.4 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 17.85 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS02

Tgt Ion: 83 Resp: 136972

Ion Ratio Lower Upper

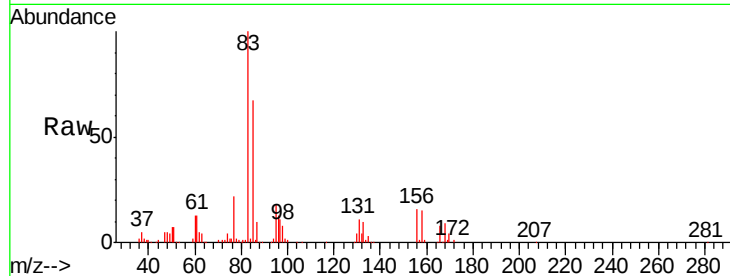
83 100

131 11.5 5.3 15.9

85 65.3 31.9 95.7

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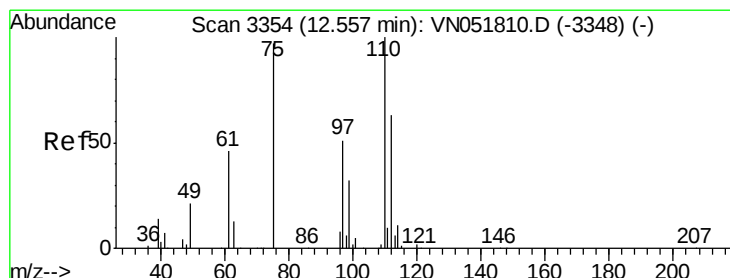
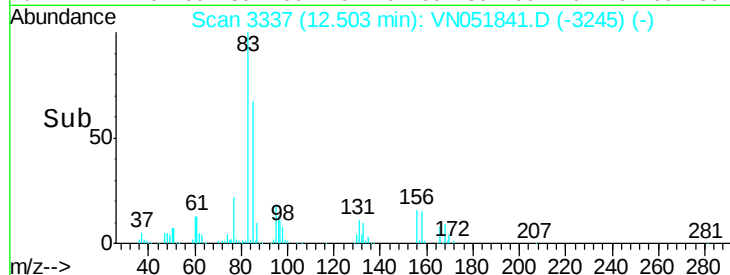
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 19.40 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051841.D

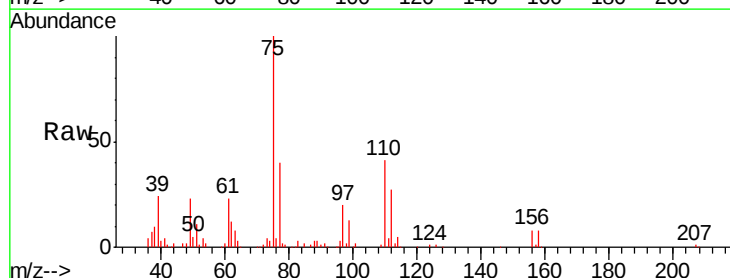
Acq: 12 Oct 2018 19:32

Tgt Ion: 75 Resp: 110067

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

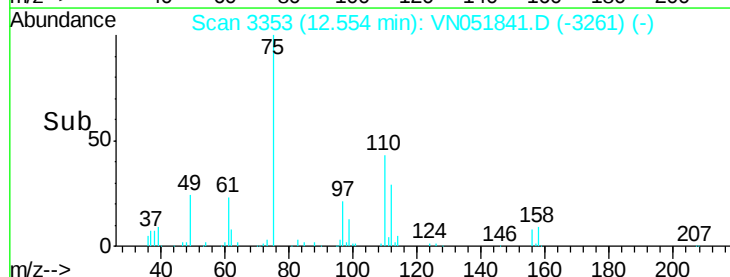


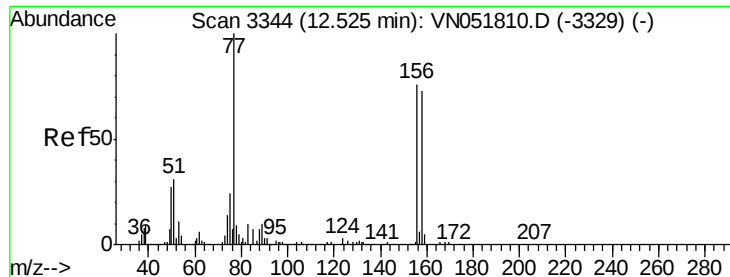
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.55

Time-->





#77

Bromobenzene

Concen: 18.78 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

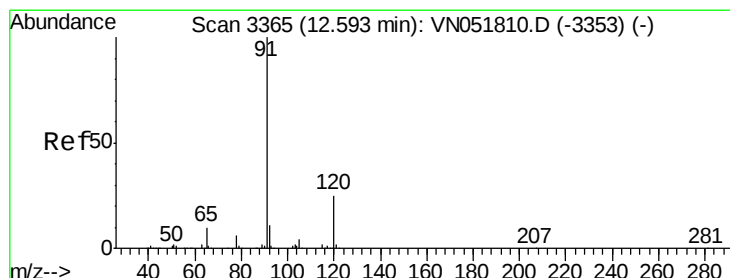
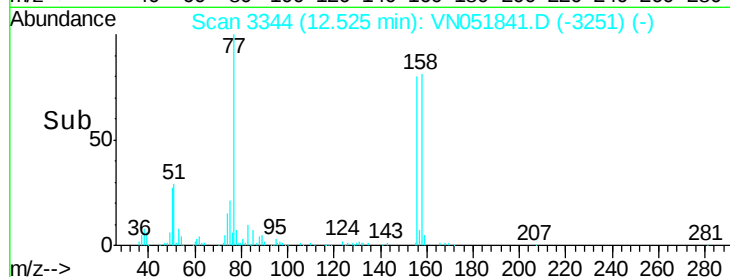
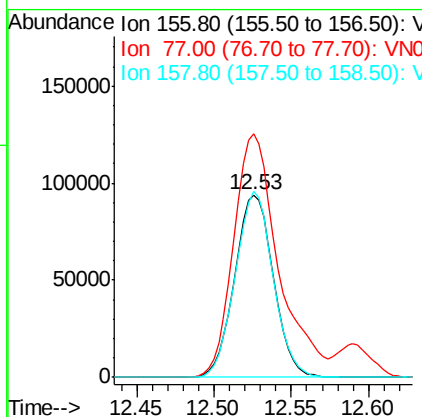
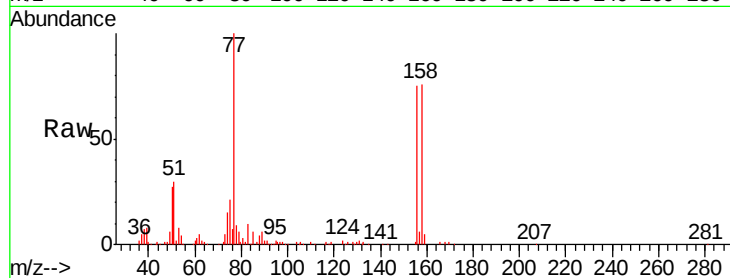
ClientSampleId :

VN1012WBS02

Tgt Ion:	156	Resp:	163583
Ion Ratio	Lower	Upper	
156	100		
77	154.7	89.9	269.7
158	99.3	49.3	147.9

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#78

n-propylbenzene

Concen: 19.01 ug/l

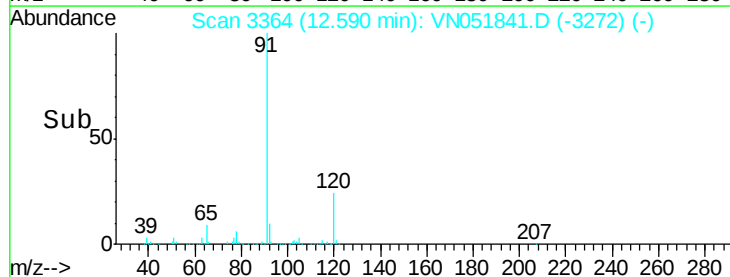
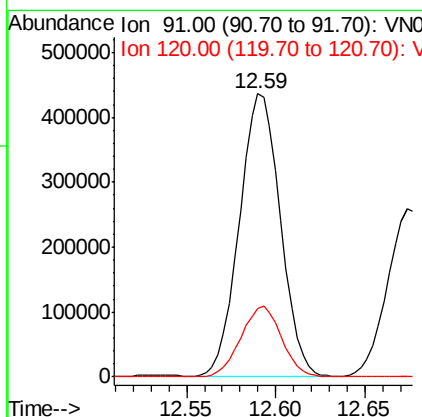
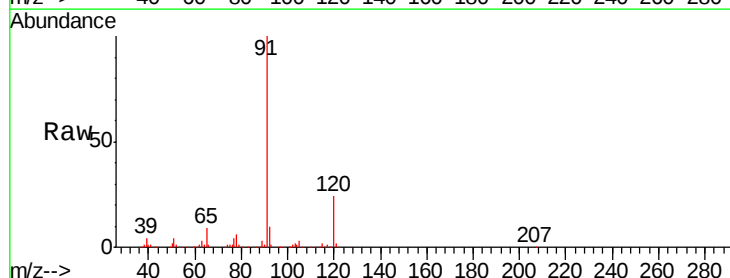
RT: 12.59 min Scan# 3364

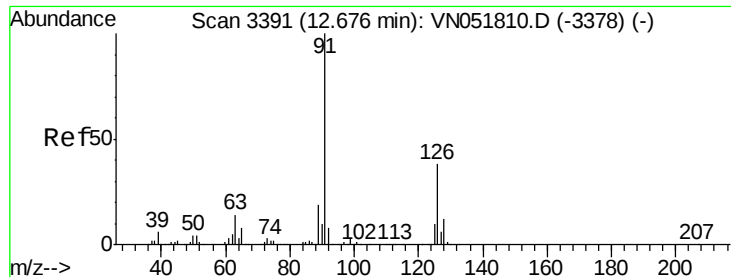
Delta R.T. -0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Tgt Ion:	91	Resp:	695466
Ion Ratio	Lower	Upper	
91	100		
120	24.9	11.7	35.0





#79

2-Chlorotoluene

Concen: 19.41 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS02

Tgt Ion: 91 Resp: 427800

Ion Ratio Lower Upper

91 100

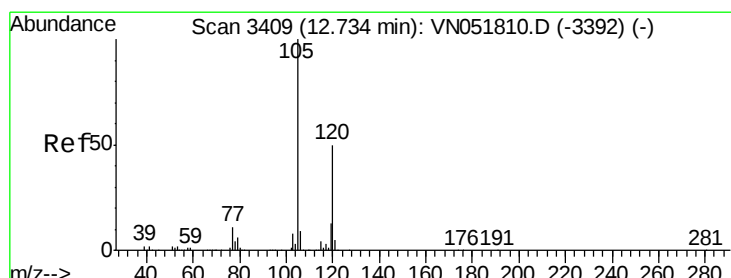
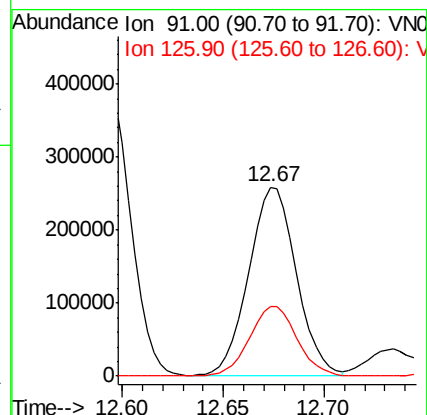
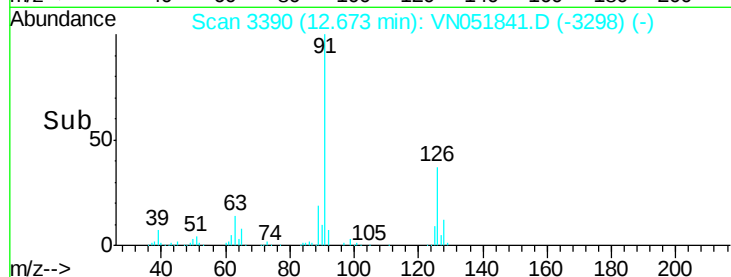
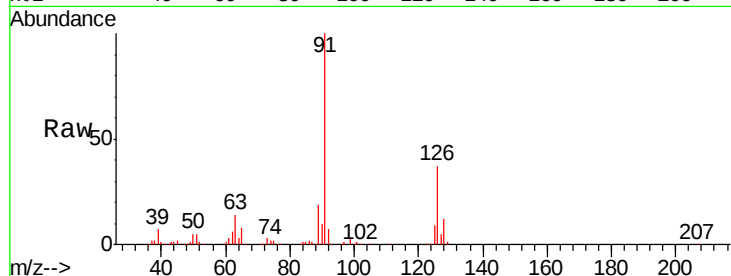
126 36.9 17.8 53.3

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#80

1,3,5-Trimethylbenzene

Concen: 19.37 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051841.D

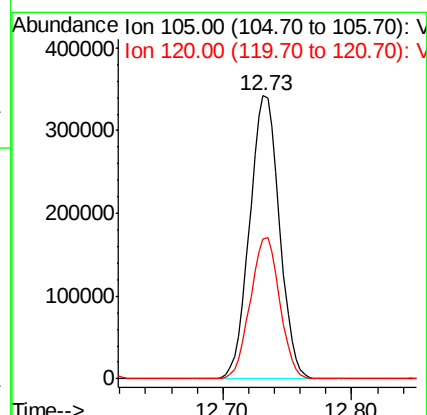
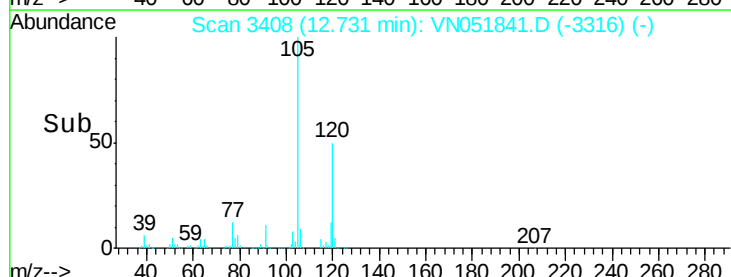
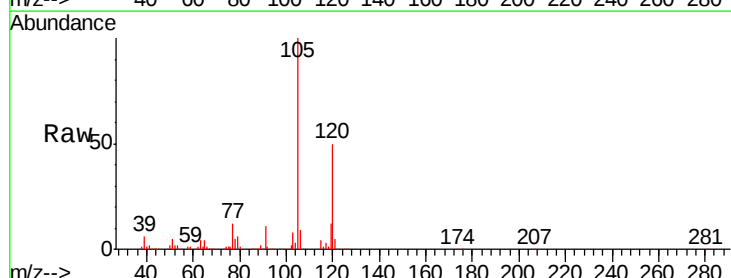
Acq: 12 Oct 2018 19:32

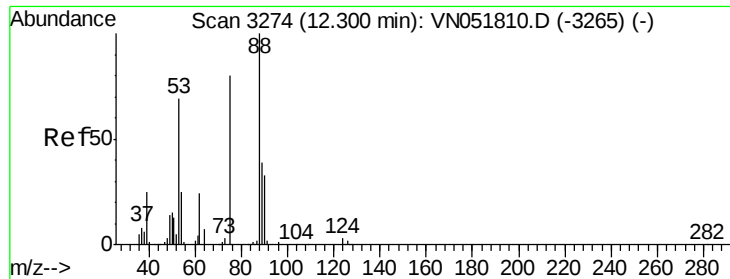
Tgt Ion: 105 Resp: 551444

Ion Ratio Lower Upper

105 100

120 49.2 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 14.02 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

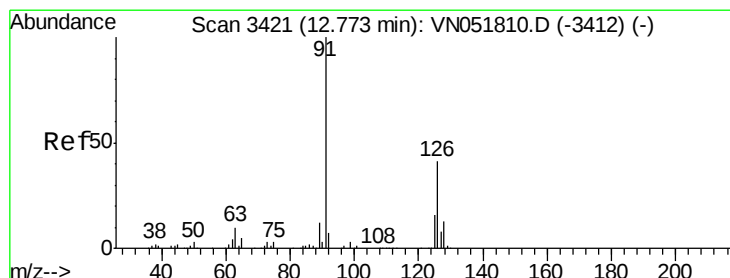
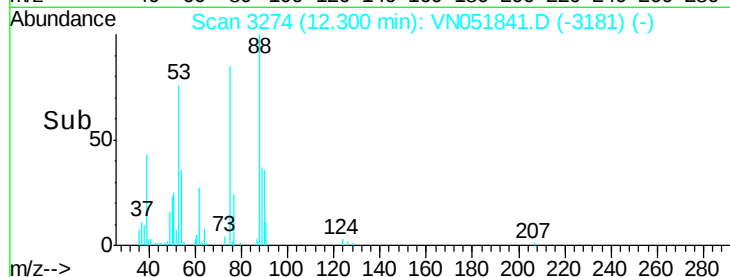
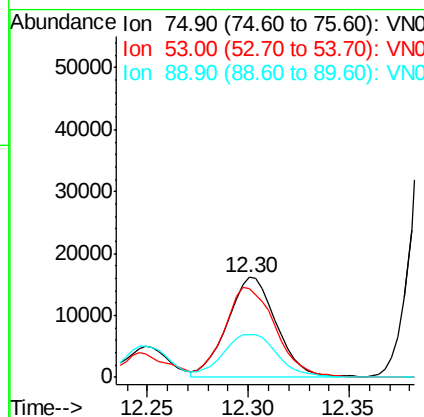
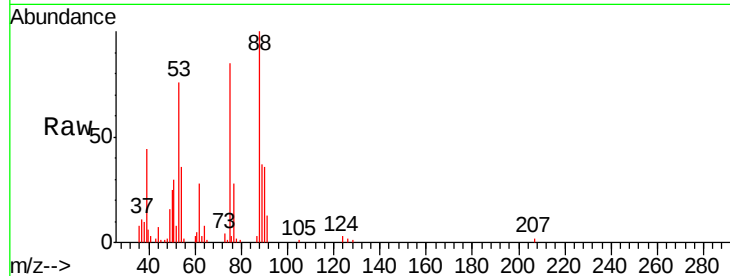
ClientSampleId :

VN1012WBS02

Tgt Ion:	75	Resp:	27600
Ion	Ratio	Lower	Upper
75	100		
53	93.5	68.9	103.3
89	47.3	36.1	54.1

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#82

4-Chlorotoluene

Concen: 19.41 ug/l

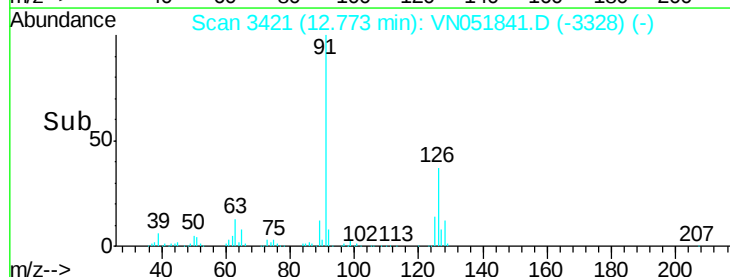
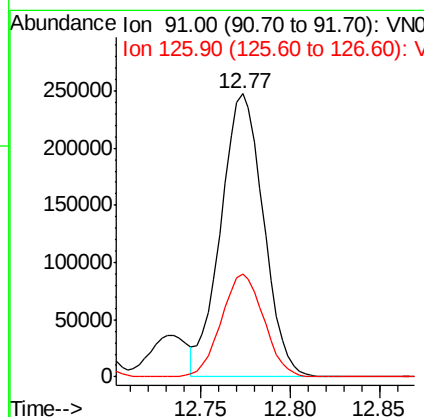
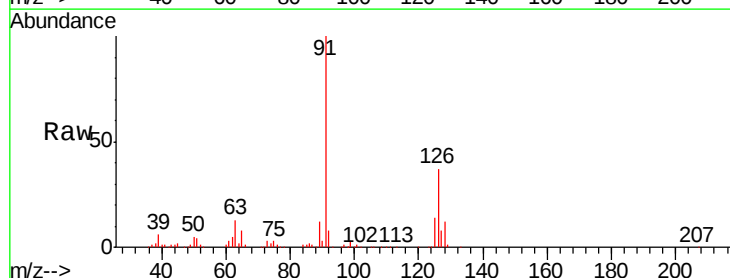
RT: 12.77 min Scan# 3421

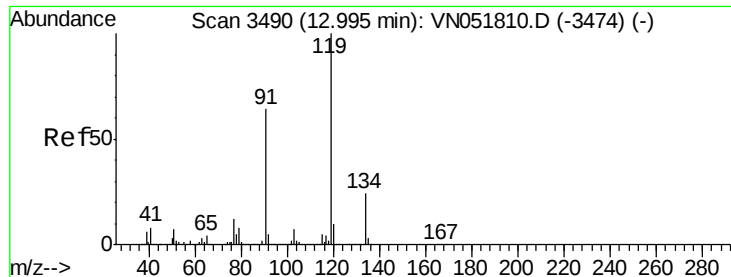
Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Tgt Ion:	91	Resp:	411045
Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.5	52.5





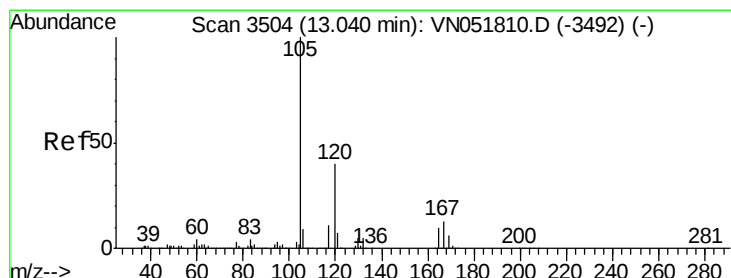
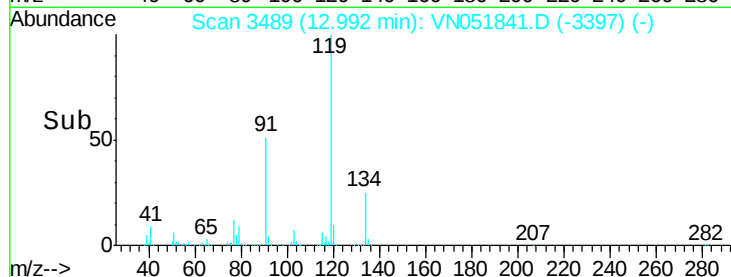
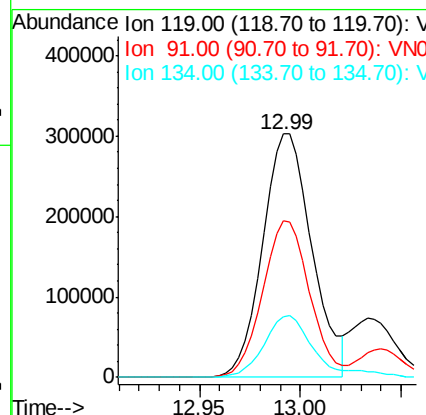
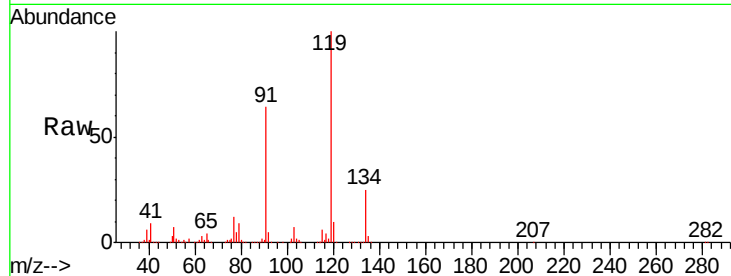
#83
 tert-Butylbenzene
 Concen: 19.53 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051841.D
 Acq: 12 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	61.1	31.6	94.7
134	26.2	13.4	40.1

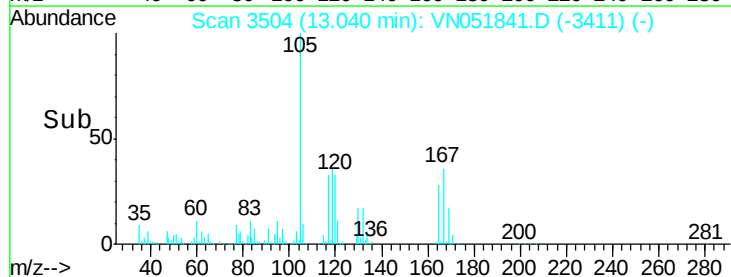
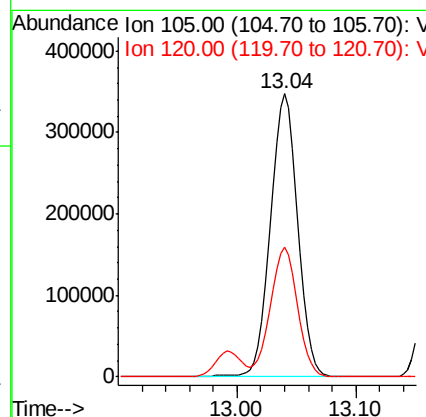
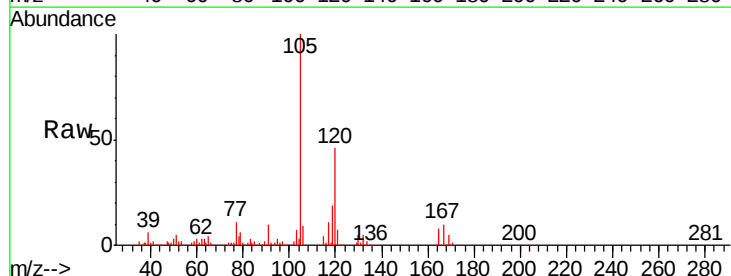
Manual Integrations
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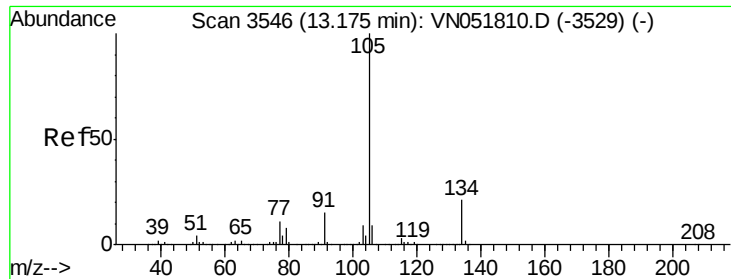
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.39 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051841.D
 Acq: 12 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.9	68.8





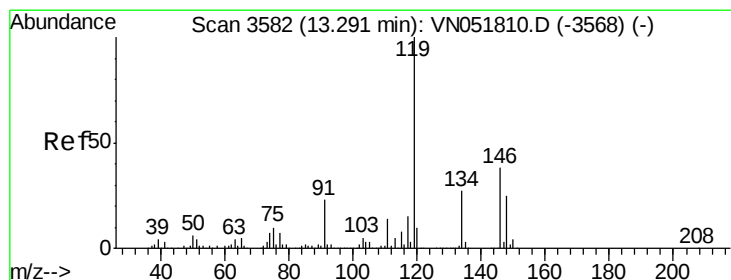
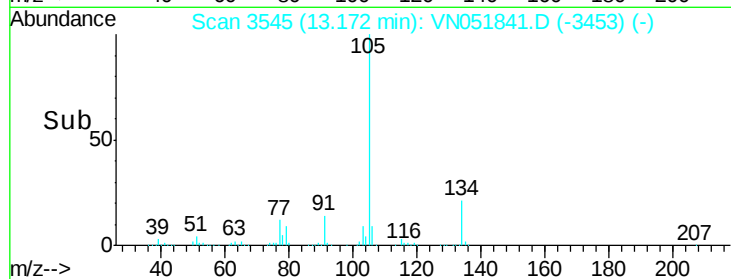
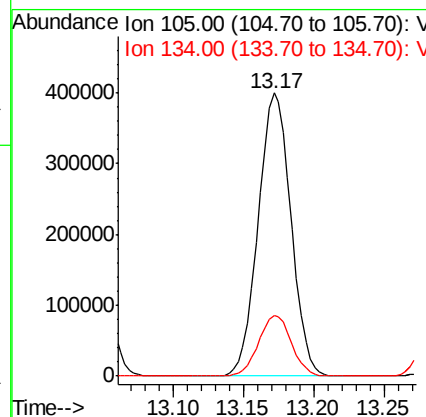
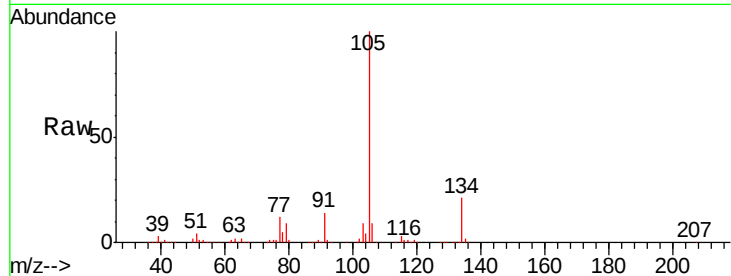
#85
 sec-Butylbenzene
 Concen: 19.02 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051841.D
 Acq: 12 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.3	30.8

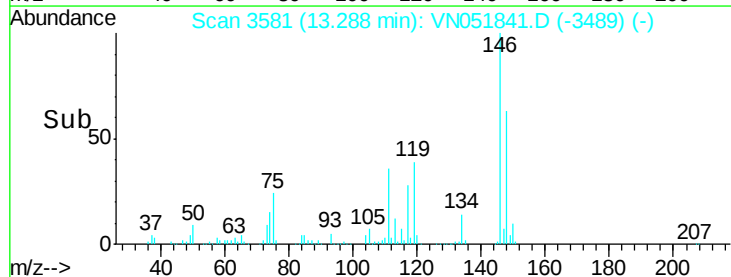
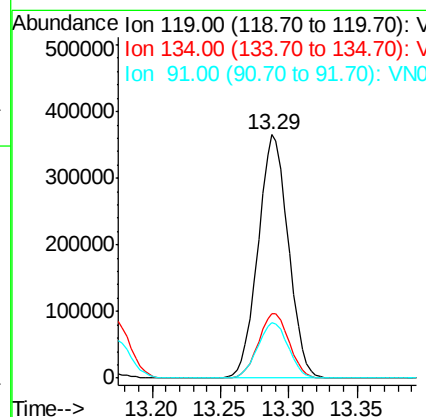
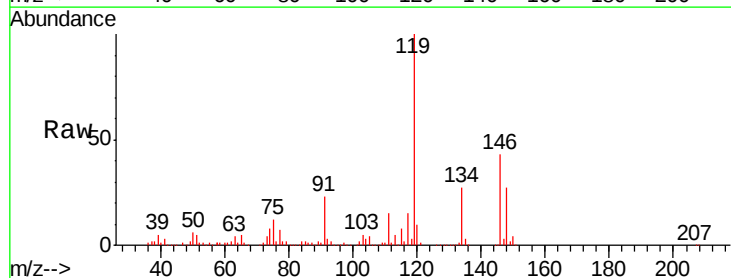
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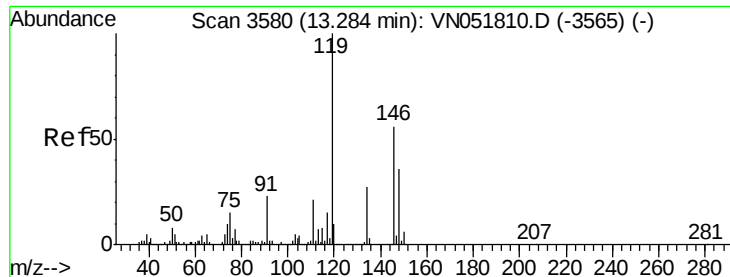
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#86
 p-Isopropyltoluene
 Concen: 18.65 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051841.D
 Acq: 12 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.7	41.0
91	23.2	11.2	33.5





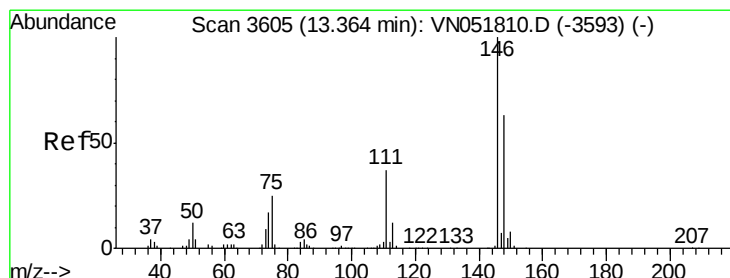
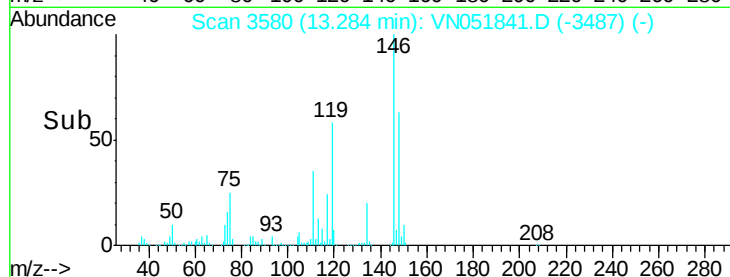
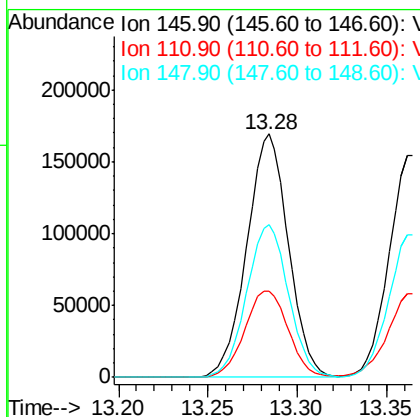
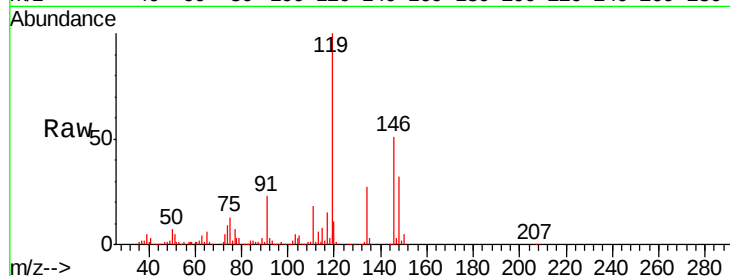
#87
 1,3-Dichlorobenzene
 Concen: 18.51 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051841.D
 Acq: 12 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	19.1	57.3
148	63.2	32.2	96.6

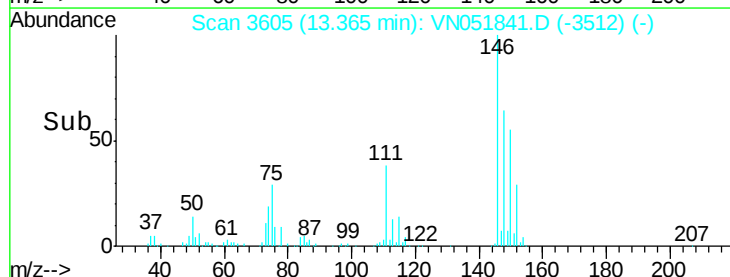
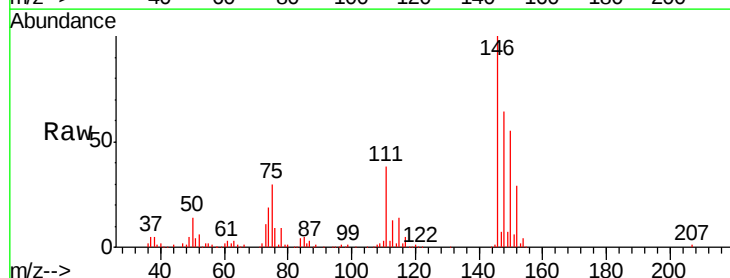
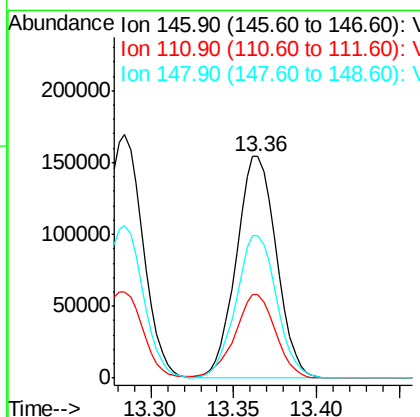
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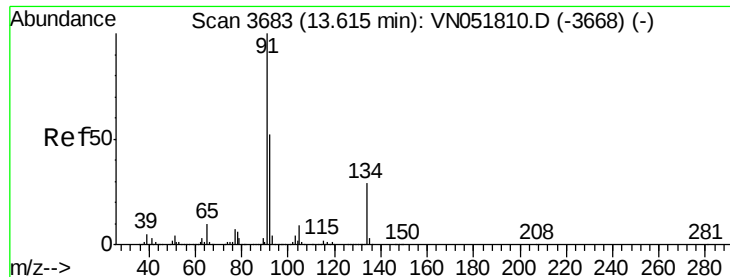
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#88
 1,4-Dichlorobenzene
 Concen: 17.99 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051841.D
 Acq: 12 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.8	56.3
148	65.1	32.2	96.6





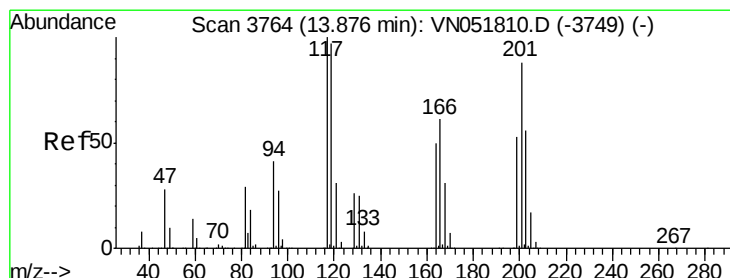
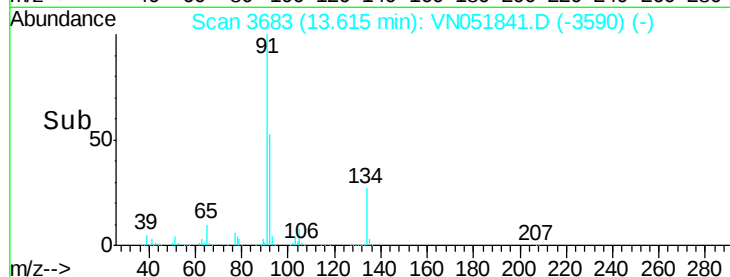
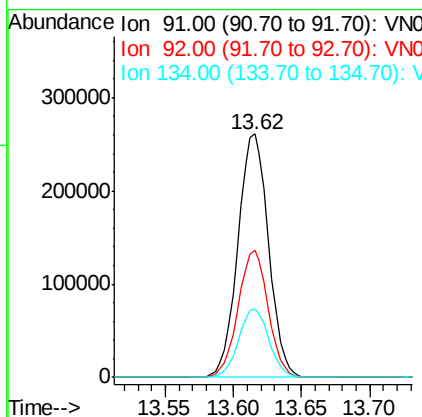
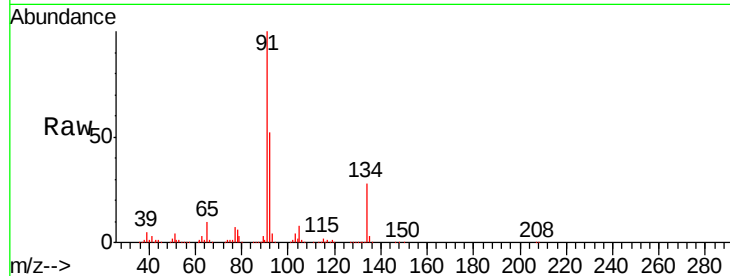
#89
n-Butylbenzene
Concen: 18.19 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.1	78.2
134	27.8	13.2	39.6

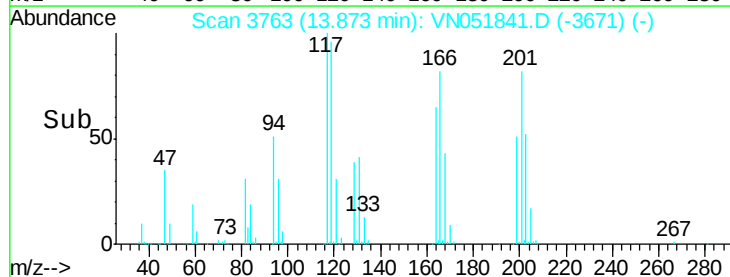
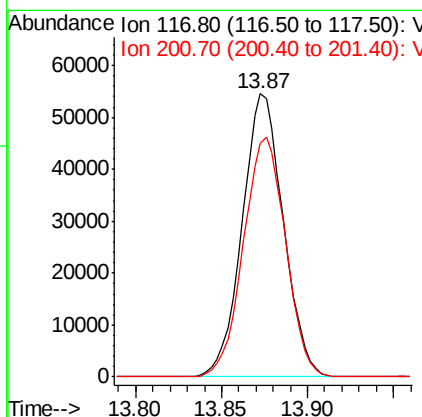
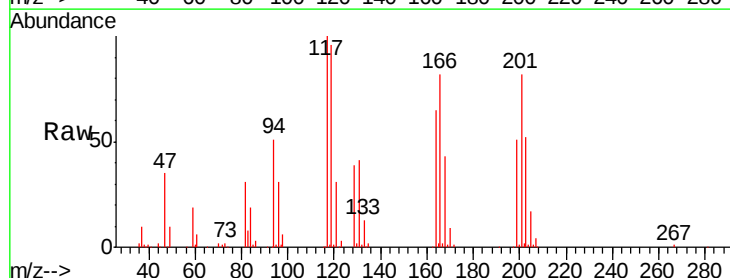
Manual Integrations
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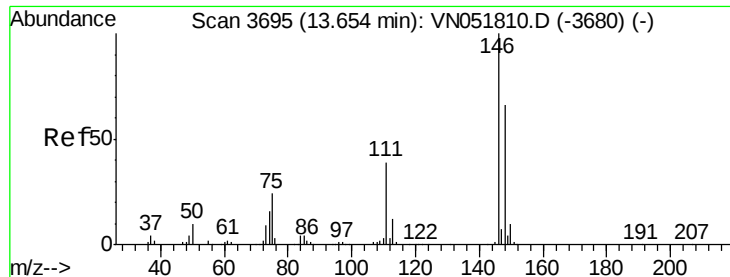
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#90
Hexachloroethane
Concen: 16.62 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051841.D
Acq: 12 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.4	46.0	137.8





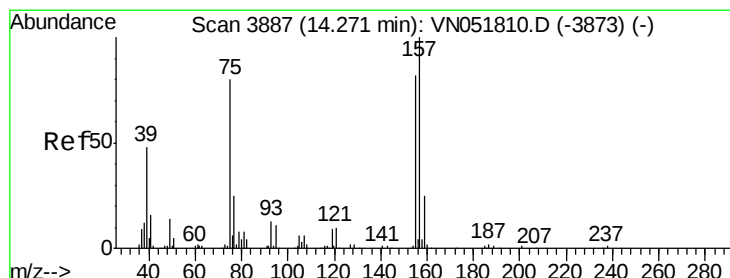
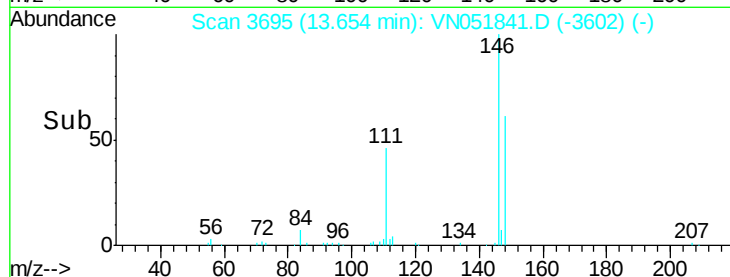
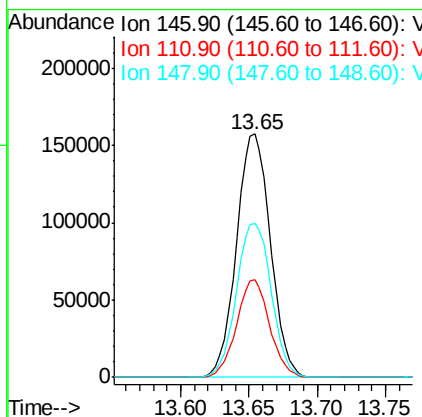
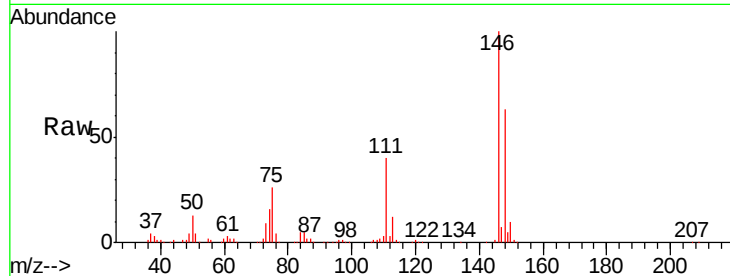
#91
 1,2-Dichlorobenzene
 Concen: 18.90 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051841.D
 Acq: 12 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.8	59.3
148	64.8	32.3	96.8

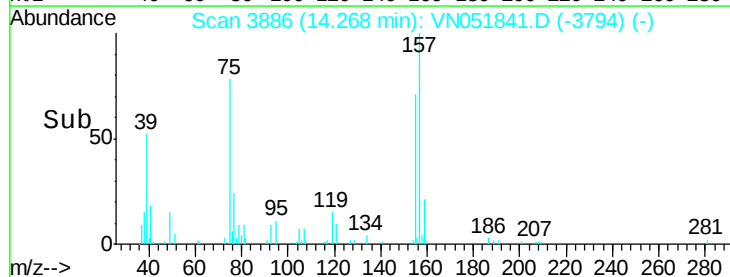
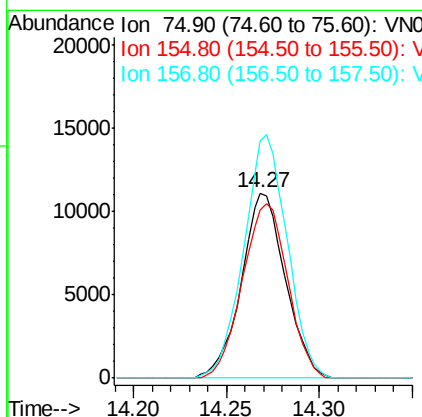
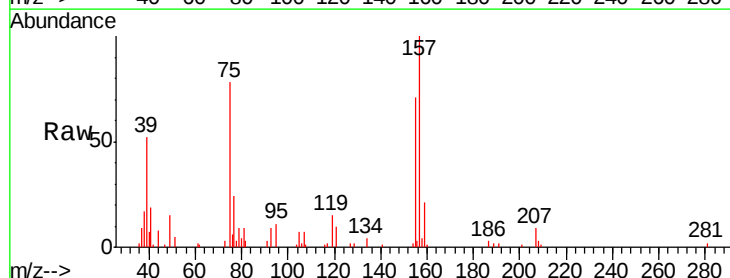
Manual Integrations
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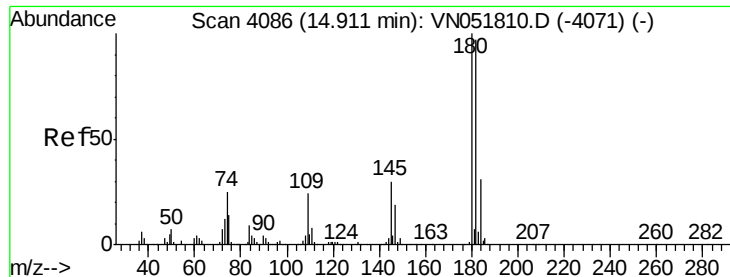
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.18 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051841.D
 Acq: 12 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.0	46.4	139.1
157	129.9	60.7	182.0





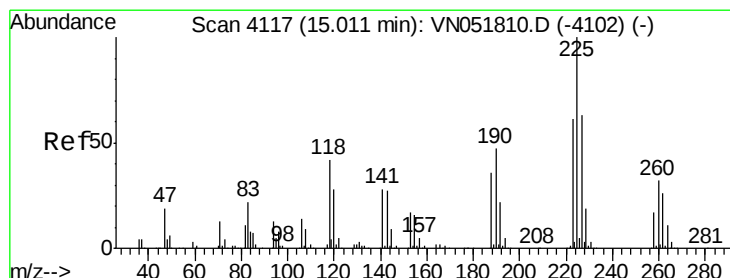
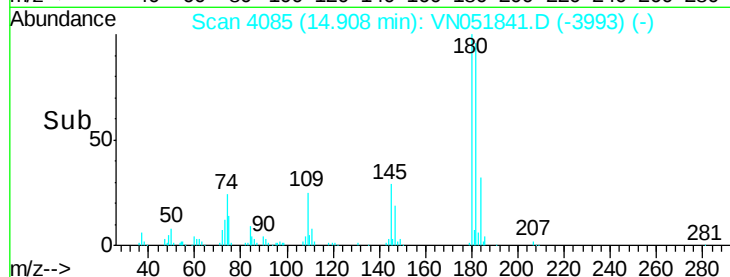
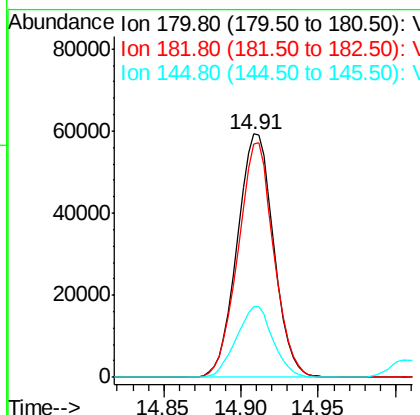
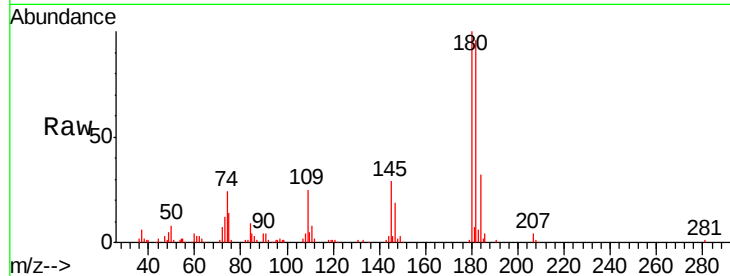
#93
 1,2,4-Trichlorobenzene
 Concen: 15.51 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051841.D
 Acq: 12 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.2	144.6
145	29.1	14.1	42.2

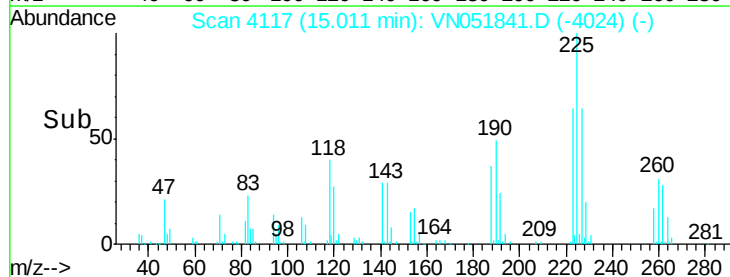
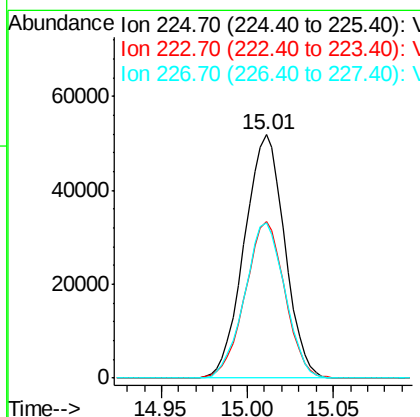
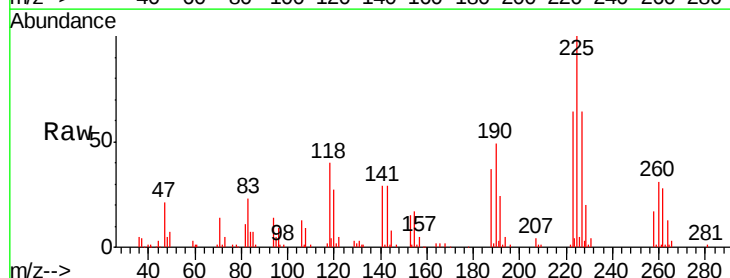
Manual Integrations
 APPROVED

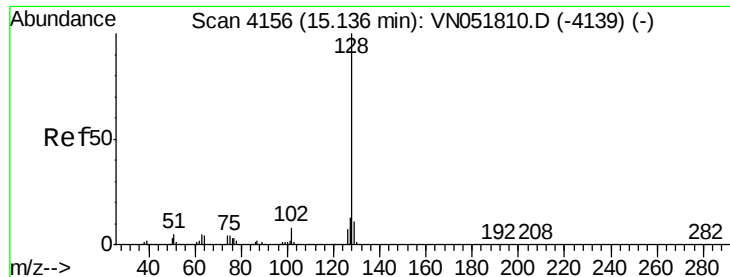
MMDadoda
 10/15/2018 11:28:04 AM



#94
 Hexachlorobutadiene
 Concen: 18.14 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051841.D
 Acq: 12 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.3	93.8
227	63.4	32.0	96.2





#95

Naphthalene

Concen: 14.53 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Instrument :

MSVOA_N

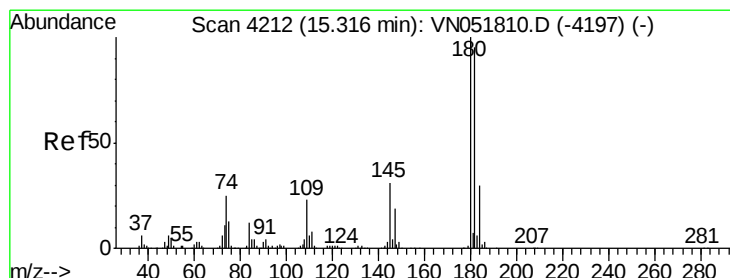
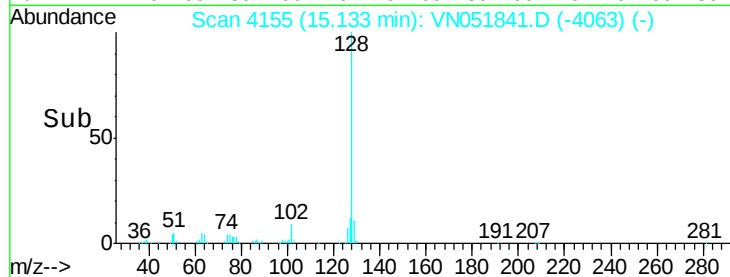
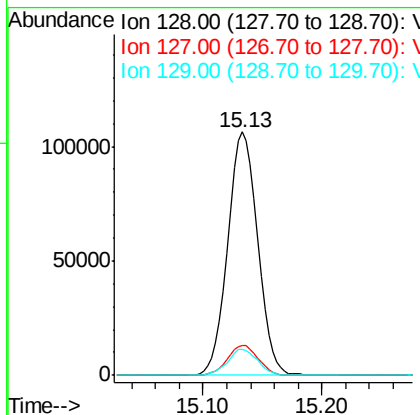
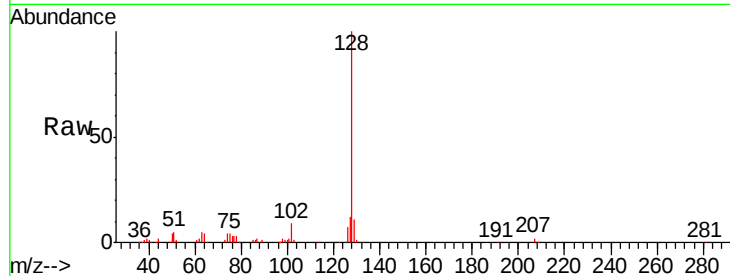
ClientSampleId :

VN1012WBS02

Tgt	Ion:128	Resp:	185525
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 16.34 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051841.D

Acq: 12 Oct 2018 19:32

Tgt	Ion:180	Resp:	105564
Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.0	144.2
145	30.2	15.2	45.6

