

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112118\
 Data File : VN052430.D
 Acq On : 21 Nov 2018 11:37
 Operator : MD\SY
 Sample : VN1121WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 4:56:35 PM

Quant Time: Nov 22 00:20:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	252754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	430149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	381854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	162182	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	202013	56.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.18%	
35) Dibromofluoromethane	7.59	113	150980	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	
50) Toluene-d8	10.09	98	556606	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.40	95	184652	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	53984	20.16	ug/l	98
3) Chloromethane	2.06	50	70683	18.99	ug/l	97
4) Vinyl Chloride	2.19	62	63645	19.78	ug/l	95
5) Bromomethane	2.58	94	35537	17.72	ug/l	98
6) Chloroethane	2.71	64	36567	20.10	ug/l	98
7) Trichlorofluoromethane	3.03	101	97177	21.83	ug/l	96
8) Diethyl Ether	3.42	74	32167	18.96	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	54400	19.35	ug/l	98
10) Methyl Iodide	3.96	142	62984	16.68	ug/l	96
11) Tert butyl alcohol	4.78	59	16356	86.76	ug/l	97
12) 1,1-Dichloroethene	3.74	96	49327	18.96	ug/l	99
13) Acrolein	3.61	56	23641	97.67	ug/l	97
14) Allyl chloride	4.33	41	101207	18.94	ug/l	92
15) Acrylonitrile	4.99	53	102626	95.33	ug/l	100
16) Acetone	3.82	43	97155	98.85	ug/l	95
17) Carbon Disulfide	4.06	76	144691	19.39	ug/l	98
18) Methyl Acetate	4.33	43	56013	20.59	ug/l #	78
19) Methyl tert-butyl Ether	5.05	73	147511	19.73	ug/l	97
20) Methylene Chloride	4.56	84	61397	20.11	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	54130	19.32	ug/l	97
22) Diisopropyl ether	5.95	45	230673	21.16	ug/l	97
23) Vinyl Acetate	5.90	43	725335	98.09	ug/l	99
24) 1,1-Dichloroethane	5.85	63	119519	20.45	ug/l	98
25) 2-Butanone	6.84	43	134507	97.22	ug/l	96
26) 2,2-Dichloropropane	6.83	77	84158	19.58	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	64587	19.81	ug/l	97
28) Bromochloromethane	7.20	49	64801	21.56	ug/l	94
29) Tetrahydrofuran	7.21	42	82127	90.36	ug/l	99
30) Chloroform	7.37	83	117186	21.04	ug/l	95
31) Cyclohexane	7.66	56	110381	19.70	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	99518	20.97	ug/l	98
36) 1,1-Dichloropropene	7.79	75	87759	20.36	ug/l	99
37) Ethyl Acetate	6.93	43	58718	18.77	ug/l	99
38) Carbon Tetrachloride	7.78	117	84580	21.35	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	93736	19.05	ug/l	94
40) Benzene	8.04	78	246134	19.98	ug/l	99
41) Methacrylonitrile	7.19	41	35466m	22.60	ug/l	
42) 1,2-Dichloroethane	8.12	62	95205	21.68	ug/l	99
43) Isopropyl Acetate	8.17	43	110323	18.27	ug/l #	85
44) Trichloroethene	8.84	130	59868	19.73	ug/l	99
45) 1,2-Dichloropropane	9.12	63	71527	20.46	ug/l	98
46) Dibromomethane	9.21	93	40280	19.91	ug/l	96
47) Bromodichloromethane	9.40	83	89761	21.62	ug/l	97
48) Methyl methacrylate	9.20	41	56040	18.29	ug/l	96
49) 1,4-Dioxane	9.20	88	8905	378.64	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	296012	97.40	ug/l	97
52) Toluene	10.16	92	148384	20.14	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	82610	19.73	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	96987	20.32	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	52333	19.59	ug/l	99
56) Ethyl methacrylate	10.43	69	63066	17.95	ug/l	95
57) 1,3-Dichloropropane	10.71	76	94095	19.89	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	193232	96.62	ug/l	97
59) 2-Hexanone	10.75	43	192628	92.14	ug/l	98
60) Dibromochloromethane	10.90	129	58759	20.33	ug/l	98
61) 1,2-Dibromoethane	11.01	107	50903	19.13	ug/l	99
64) Tetrachloroethene	10.63	164	53764	19.80	ug/l	99
65) Chlorobenzene	11.43	112	160595	19.90	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	55824	20.28	ug/l	97
67) Ethyl Benzene	11.51	91	283764	20.26	ug/l	98
68) m/p-Xylenes	11.62	106	209599	40.95	ug/l	99
69) o-Xylene	11.95	106	101407	20.67	ug/l	98
70) Styrene	11.96	104	161511	20.56	ug/l	99
71) Bromoform	12.13	173	32688	20.11	ug/l #	99
73) Isopropylbenzene	12.25	105	275954	21.16	ug/l	99
74) N-amyl acetate	12.07	43	81176	17.48	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	62744	19.91	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	54499m	19.80	ug/l	
77) Bromobenzene	12.53	156	60538	19.95	ug/l	96
78) n-propylbenzene	12.59	91	315835	20.71	ug/l	99
79) 2-Chlorotoluene	12.68	91	187275	21.02	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	224781	21.68	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	15410	18.16	ug/l	91
82) 4-Chlorotoluene	12.77	91	187053	20.49	ug/l	98
83) tert-Butylbenzene	12.99	119	190466	20.81	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	224341	21.55	ug/l	97
85) sec-Butylbenzene	13.17	105	263896	21.16	ug/l	99
86) p-Isopropyltoluene	13.29	119	220851	20.91	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	109301	20.28	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	106340	19.85	ug/l	99
89) n-Butylbenzene	13.62	91	189827	20.92	ug/l	98
90) Hexachloroethane	13.88	117	38666	20.67	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	105670	20.24	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9001	19.37	ug/l	92

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QLast Update : Thu Nov 15 03:02:37 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	40919	18.34	ug/l	98
94) Hexachlorobutadiene	15.01	225	25535	21.37	ug/l	99
95) Naphthalene	15.13	128	88263	17.18	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	38647	19.48	ug/l	97

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

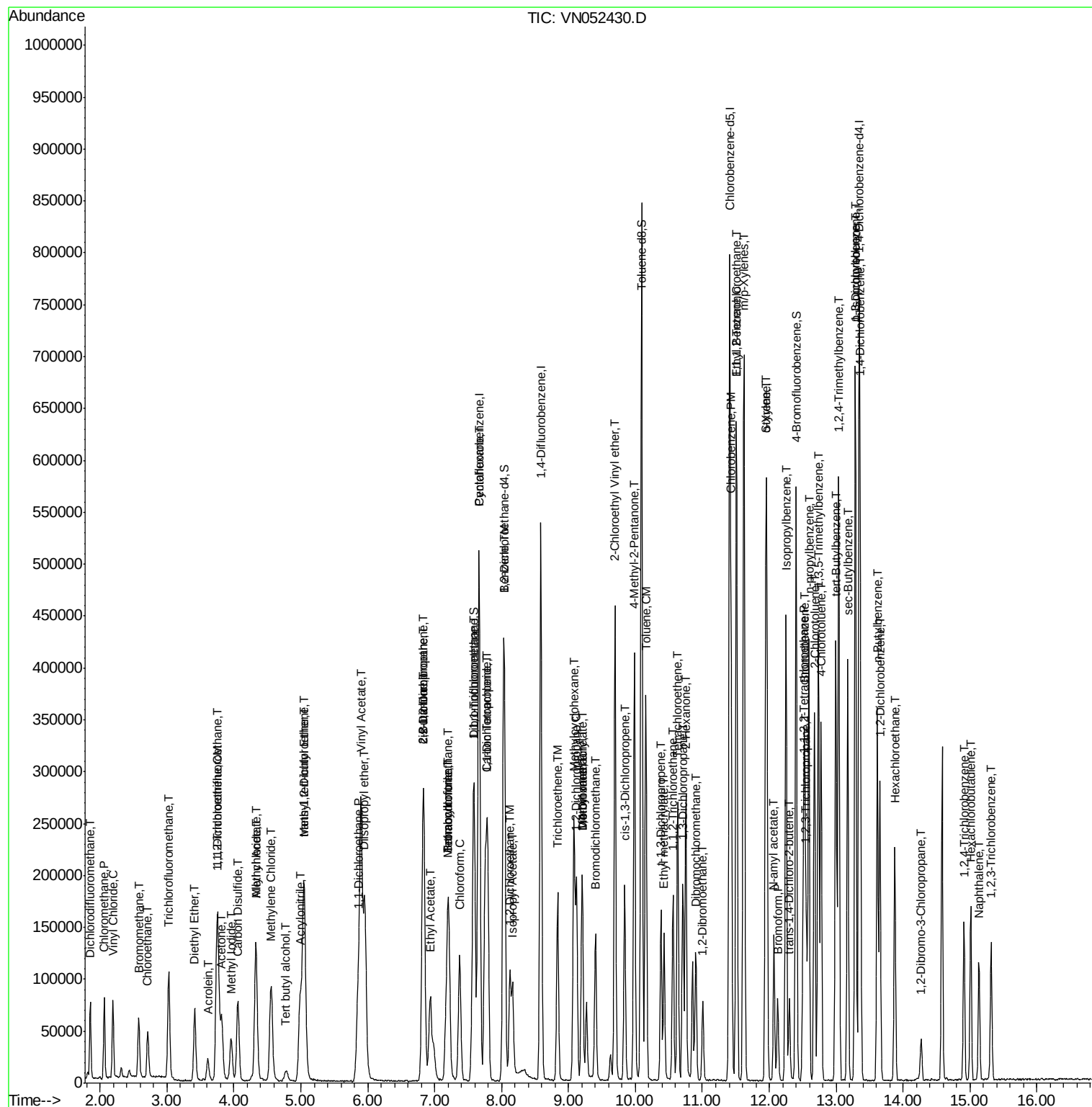
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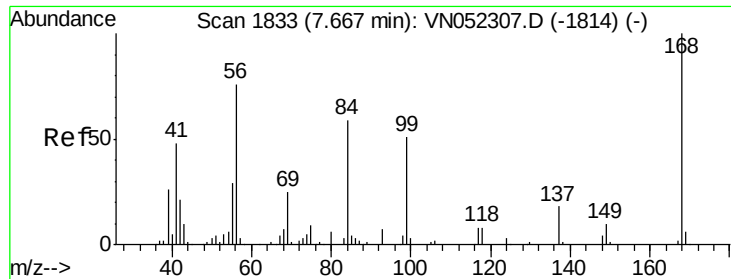
Instrument :
 MSVOA_N
 Client Sample ID :
 VN1121WBSD01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1121WBSD01

Tgt Ion:168 Resp: 252754

Ion Ratio Lower Upper

168 100

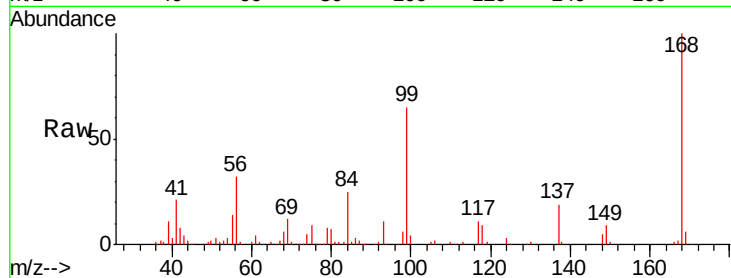
99 65.5 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

120000

100000

80000

60000

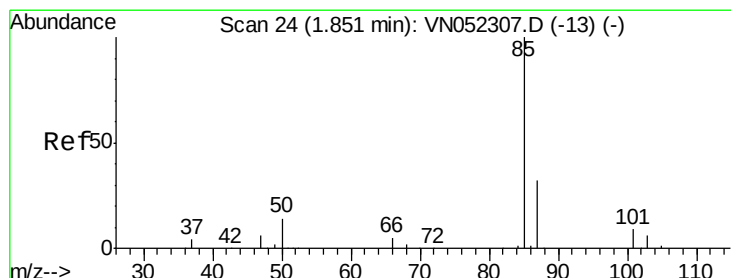
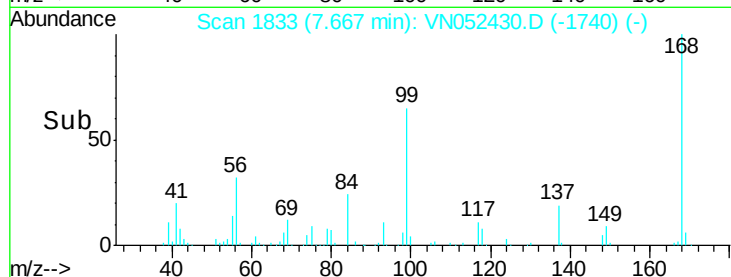
40000

20000

0

7.60 7.67 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.16 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052430.D

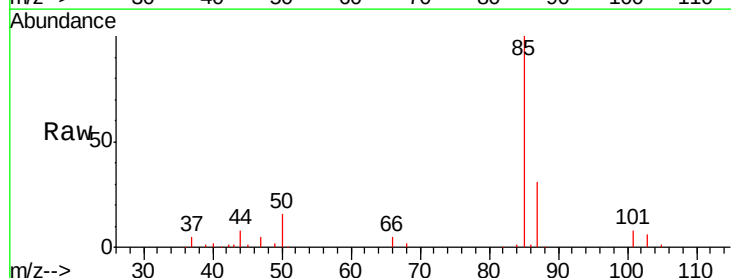
Acq: 21 Nov 2018 11:37

Tgt Ion: 85 Resp: 53984

Ion Ratio Lower Upper

85 100

87 30.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

40000

30000

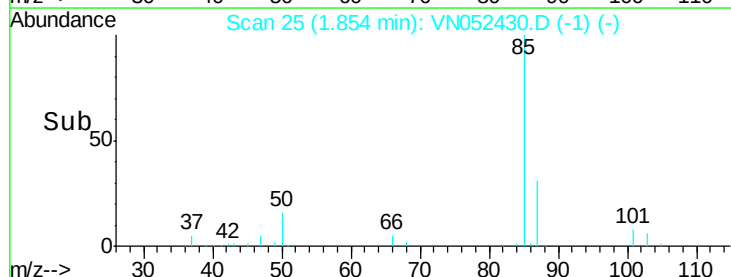
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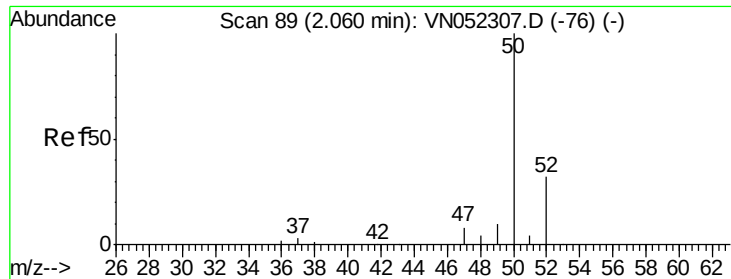
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.99 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1121WBSD01

Tgt Ion: 50 Resp: 70683

Ion Ratio Lower Upper

50 100

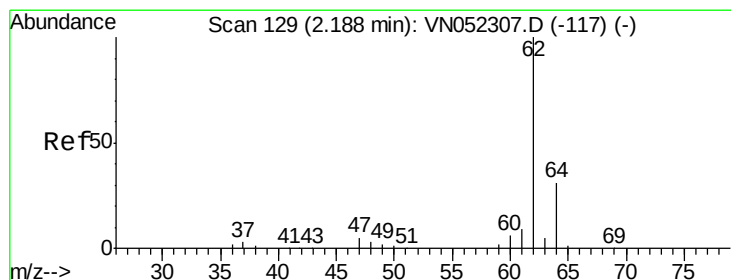
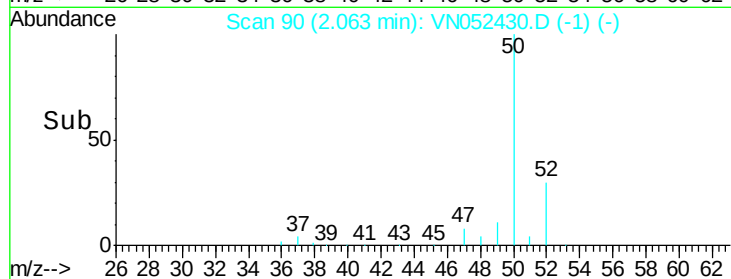
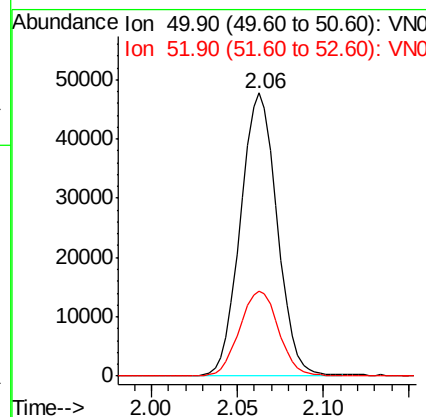
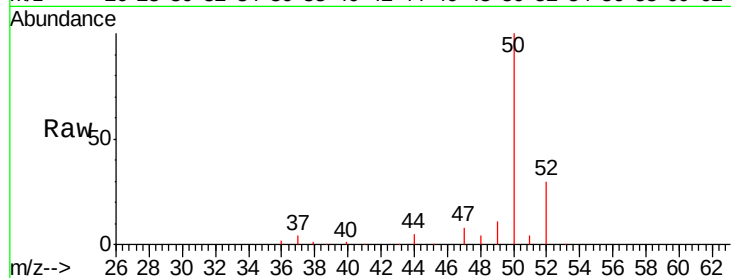
52 30.2 25.5 38.3

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 19.78 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052430.D

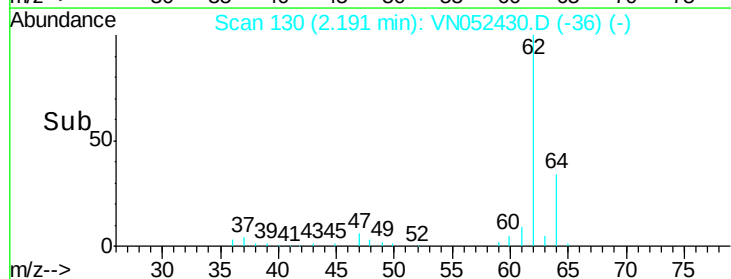
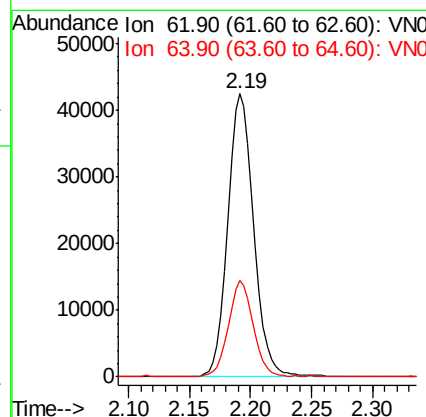
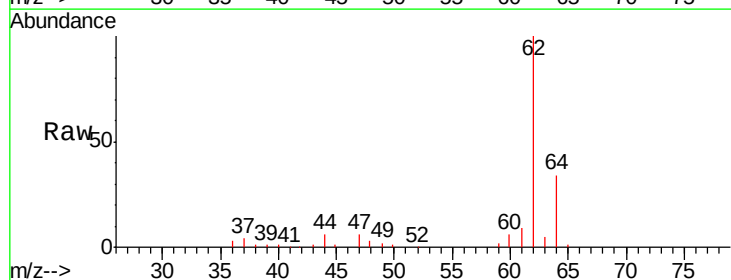
Acq: 21 Nov 2018 11:37

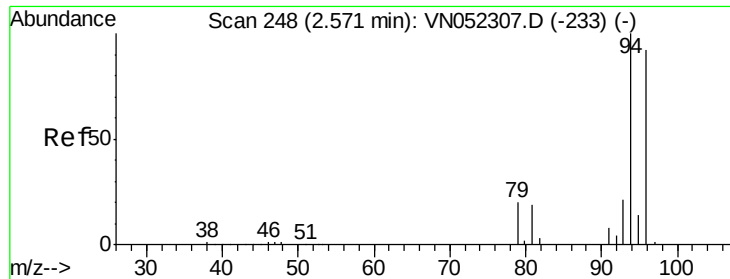
Tgt Ion: 62 Resp: 63645

Ion Ratio Lower Upper

62 100

64 34.0 25.2 37.8





#5

Bromomethane

Concen: 17.72 ug/l

RT: 2.58 min Scan# 251

Delta R.T. 0.01 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

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ClientSampleId :

VN1121WBSD01

Tgt Ion: 94 Resp: 35537

Ion Ratio Lower Upper

94 100

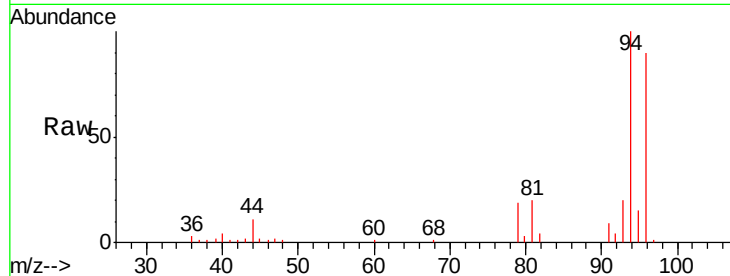
96 90.4 73.6 110.4

Manual Integrations

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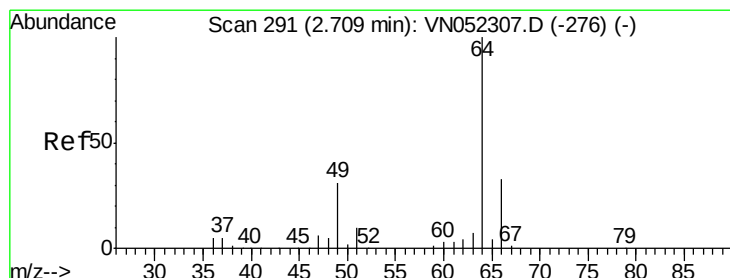
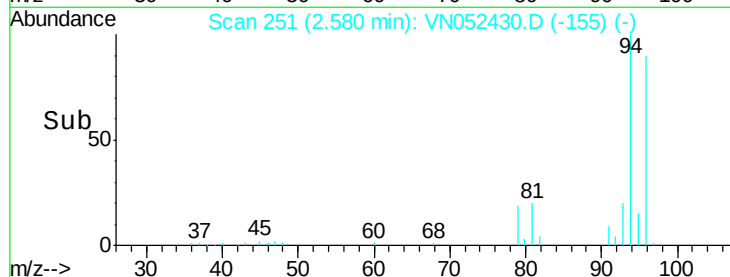
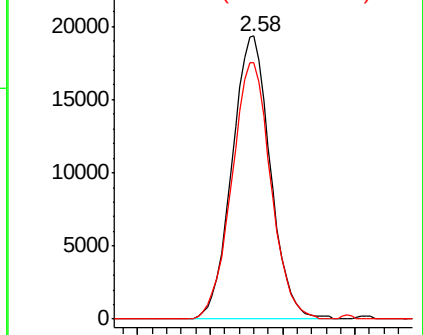
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.10 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052430.D

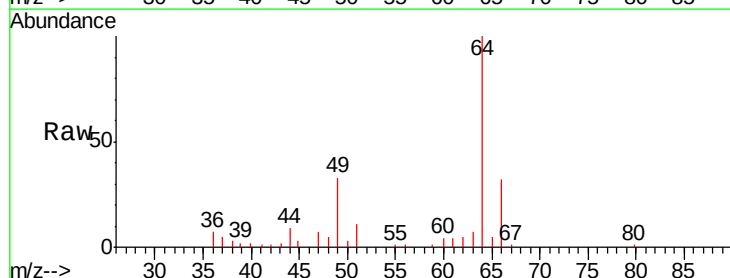
Acq: 21 Nov 2018 11:37

Tgt Ion: 64 Resp: 36567

Ion Ratio Lower Upper

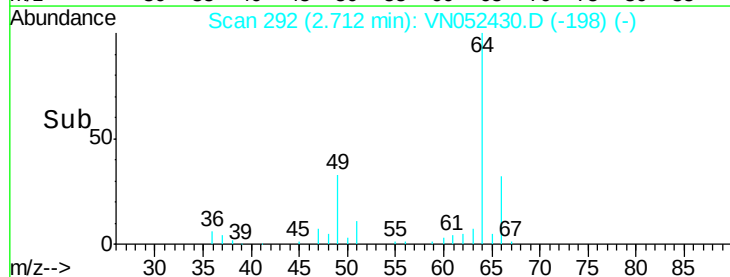
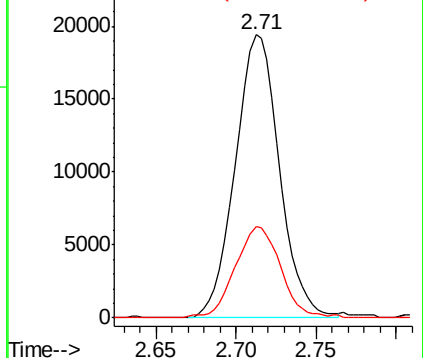
64 100

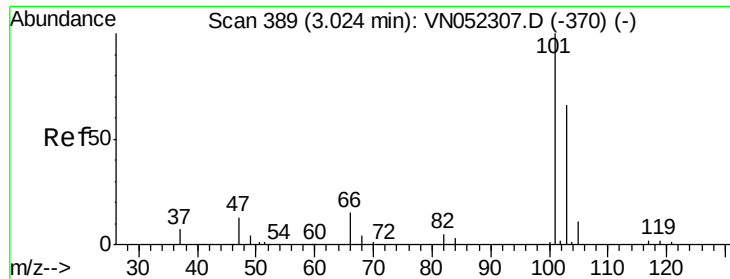
66 31.4 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

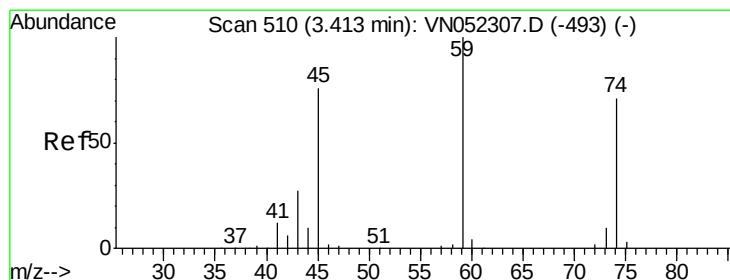
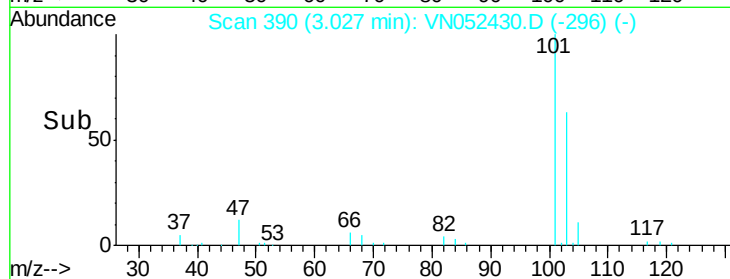
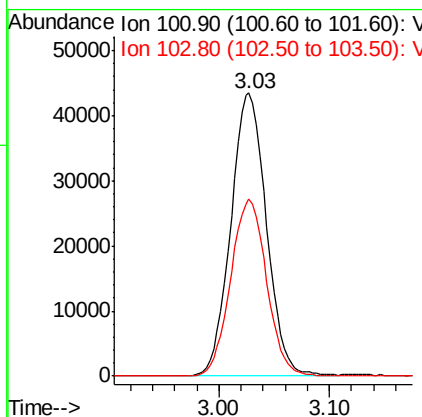
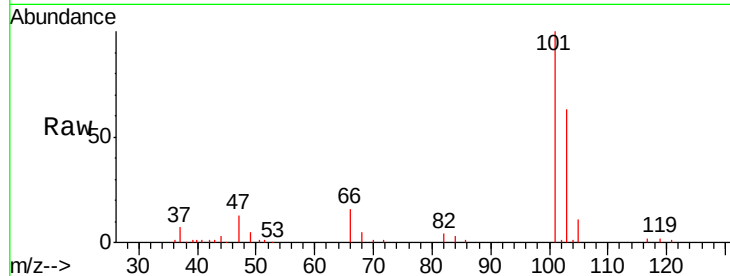
Trichlorofluoromethane
Concen: 21.83 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
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VN1121WBSD01

Tgt Ion: 101 Resp: 97177
Ion Ratio Lower Upper
101 100
103 62.6 52.8 79.2

Manual Integrations
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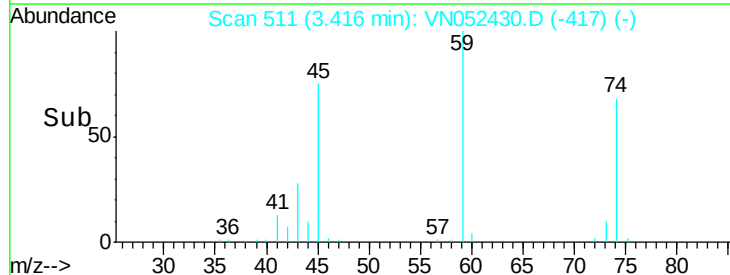
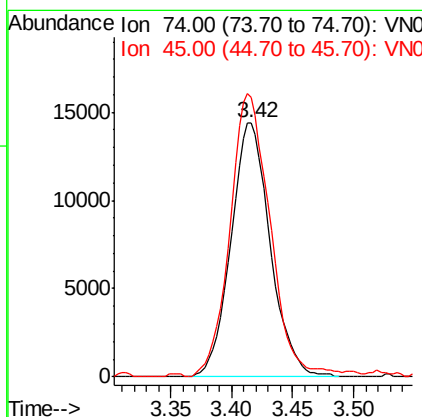
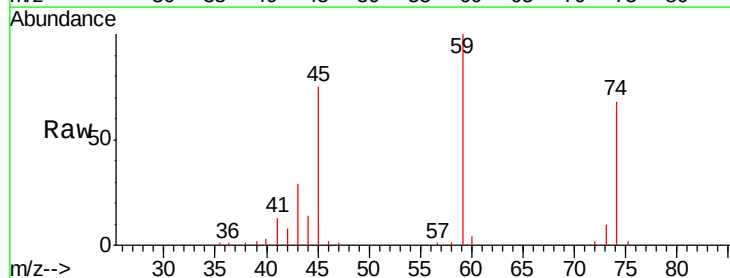
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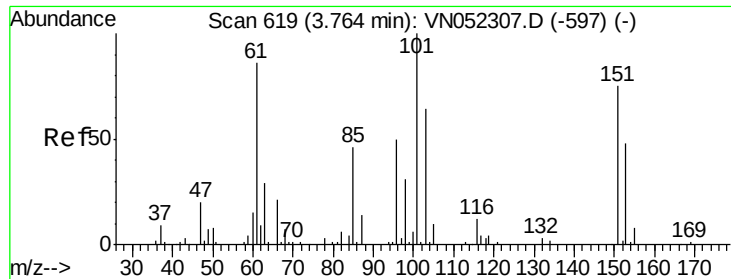


#8

Diethyl Ether
Concen: 18.96 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion: 74 Resp: 32167
Ion Ratio Lower Upper
74 100
45 114.2 54.3 162.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.35 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

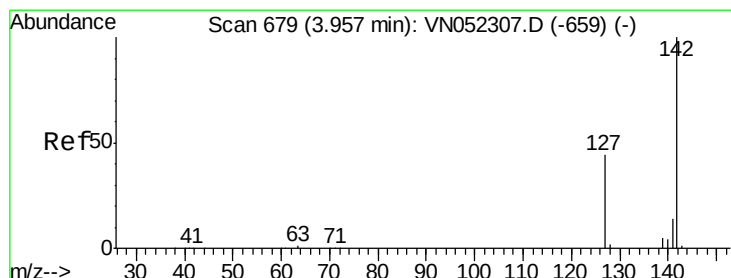
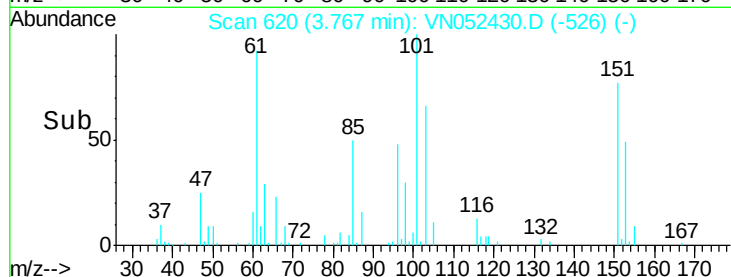
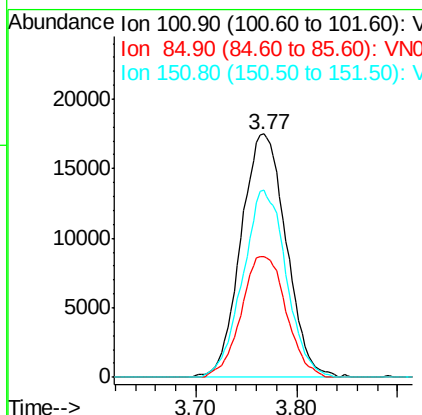
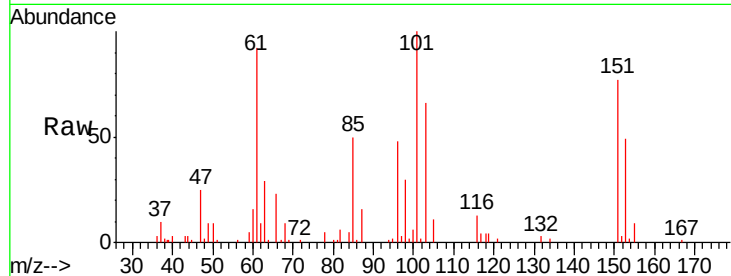
ClientSampleId :

VN1121WBSD01

Tgt Ion:	101	Resp:	54400
Ion Ratio	Lower	Upper	
101	100		
85	49.3	37.4	56.0
151	74.0	58.6	88.0

Manual Integrations
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11/26/2018 4:56:35 PM



#10

Methyl Iodide

Concen: 16.68 ug/l

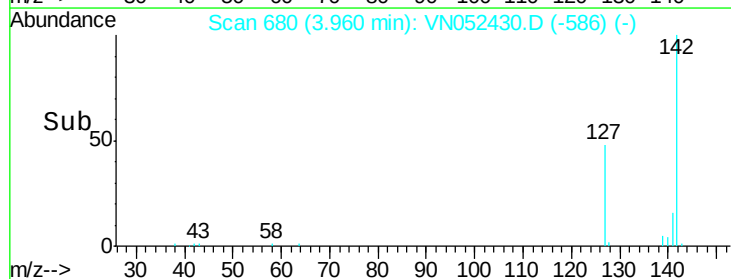
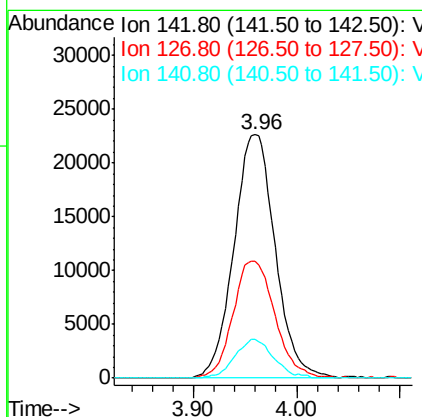
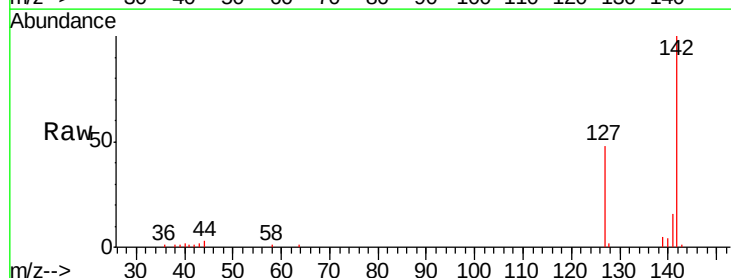
RT: 3.96 min Scan# 680

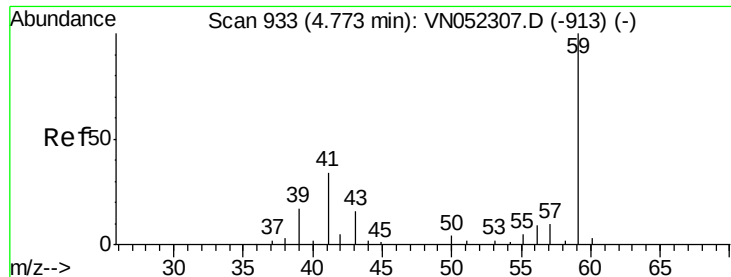
Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Tgt Ion:	142	Resp:	62984
Ion Ratio	Lower	Upper	
142	100		
127	48.9	36.3	54.5
141	15.0	11.4	17.2





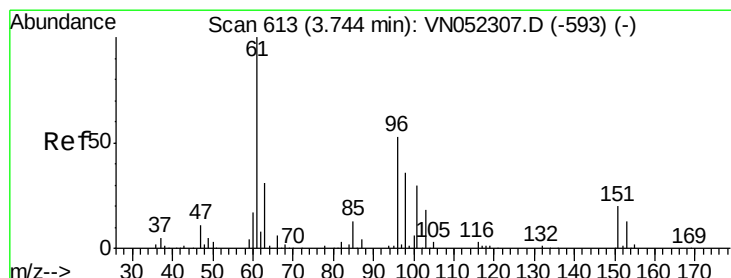
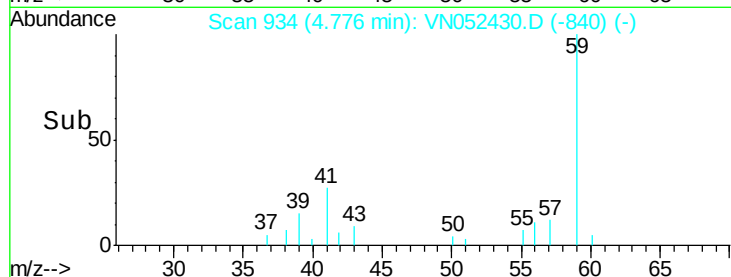
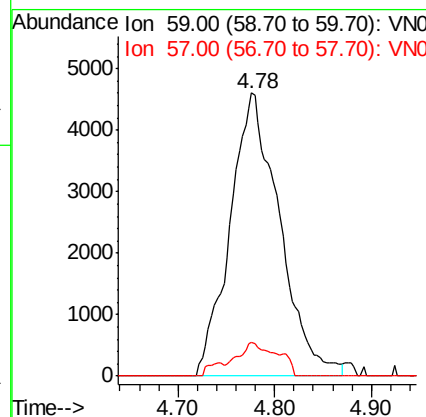
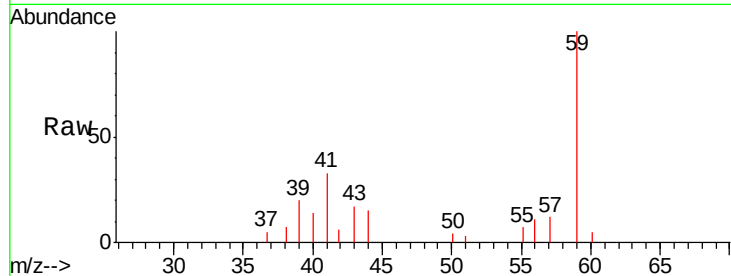
#11
Tert butyl alcohol
Concen: 86.76 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.5	12.7

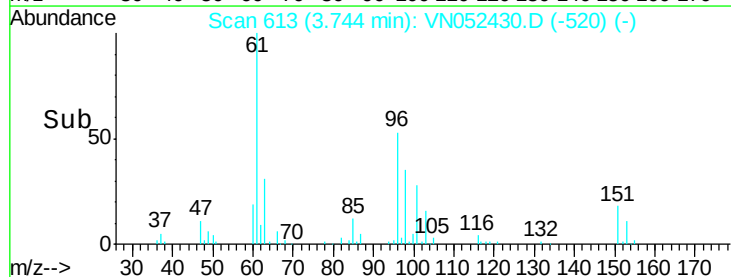
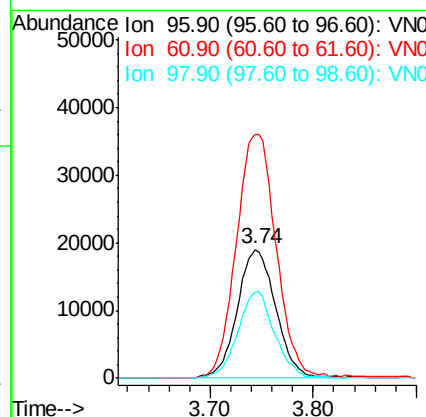
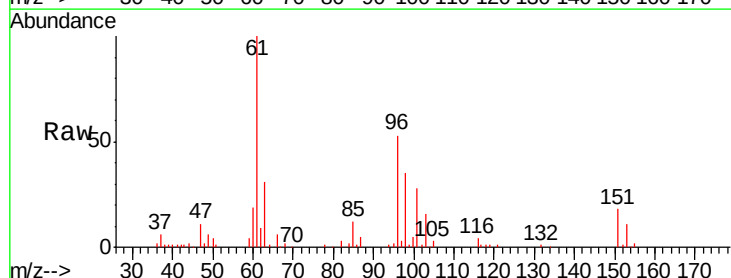
Manual Integrations
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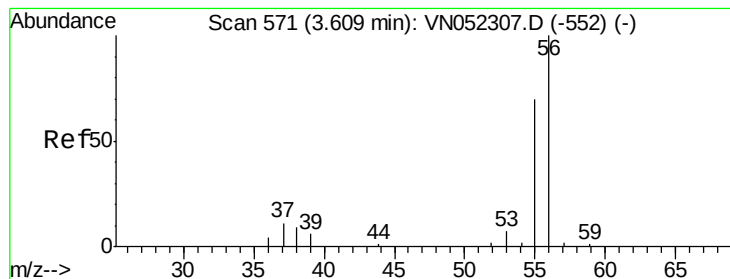
MMDadoda
11/26/2018 4:56:35 PM



#12
1,1-Dichloroethene
Concen: 18.96 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.4	149.6	224.4
98	67.1	54.2	81.2





#13

Acrolein

Concen: 97.67 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1121WBSD01

Tgt Ion: 56 Resp: 23641

Ion Ratio Lower Upper

56 100

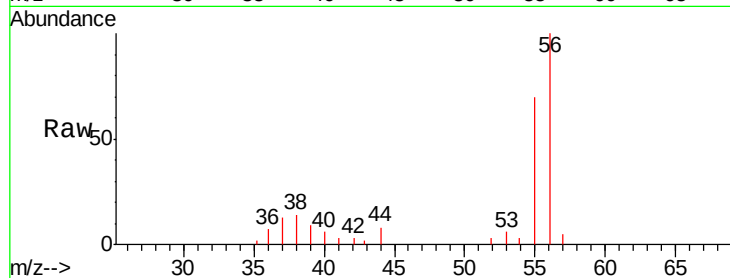
55 69.5 57.6 86.4

Manual Integrations

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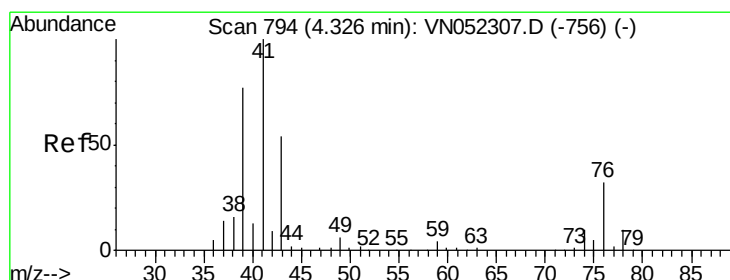
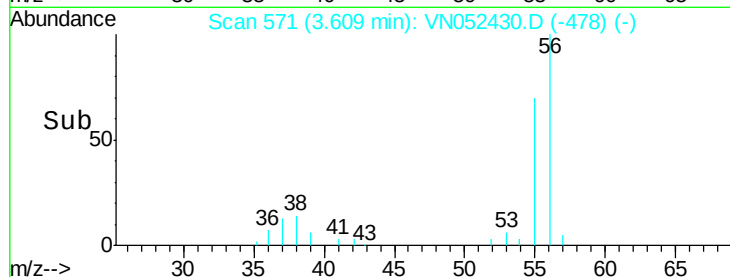
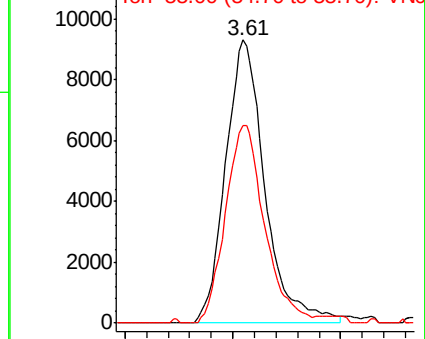
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.94 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

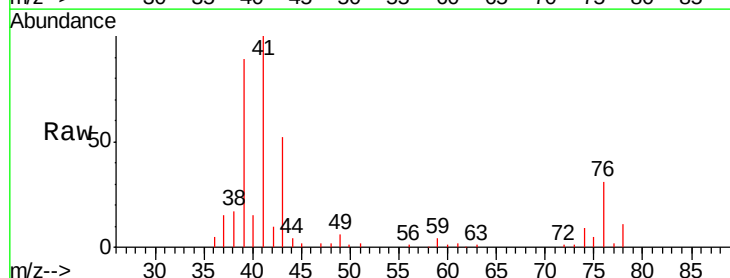
Tgt Ion: 41 Resp: 101207

Ion Ratio Lower Upper

41 100

39 82.5 59.1 88.7

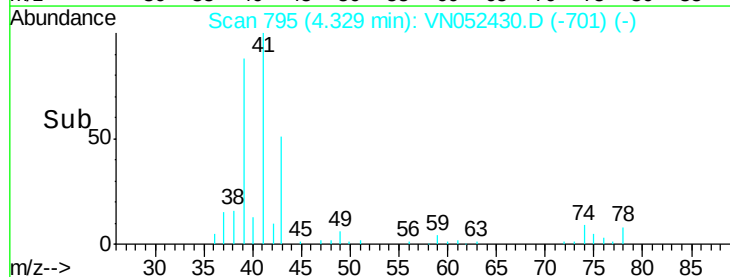
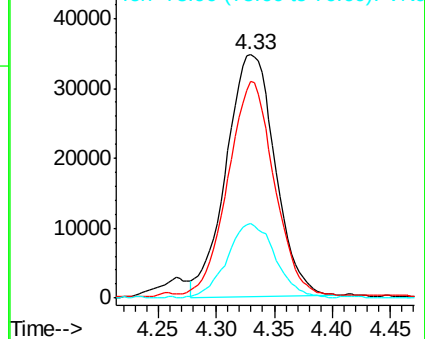
76 30.7 24.1 36.1

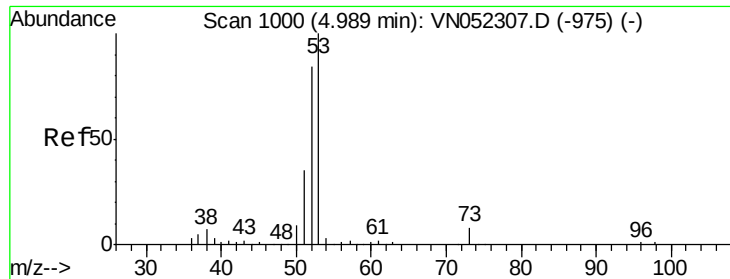


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 95.33 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

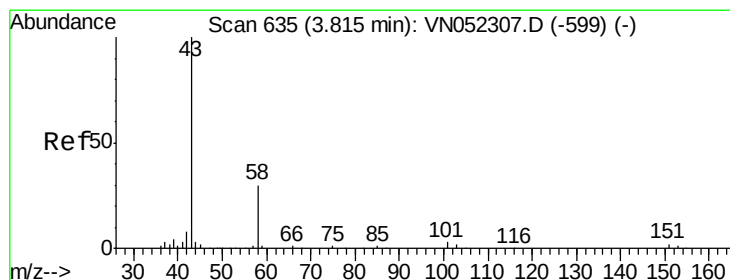
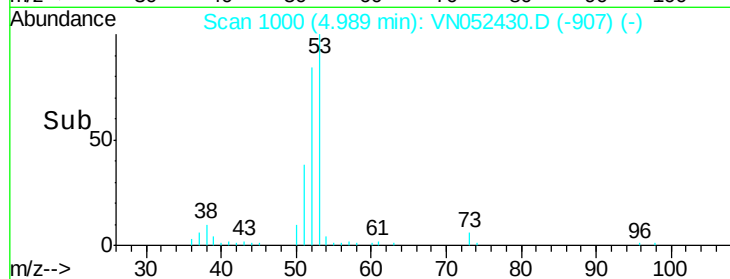
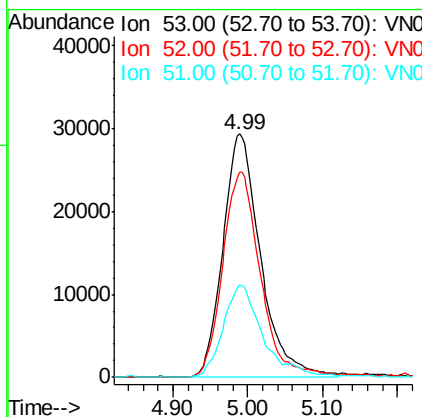
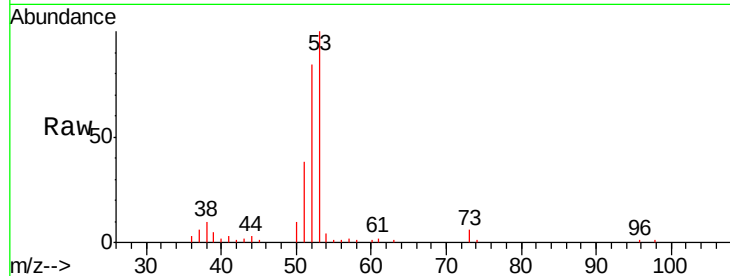
ClientSampleId :

VN1121WBSD01

Tgt Ion:	53	Resp:	102626
Ion	Ratio	Lower	Upper
53	100		
52	84.4	67.5	101.3
51	36.8	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 98.85 ug/l

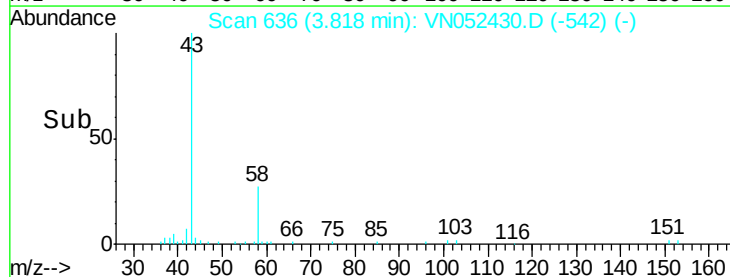
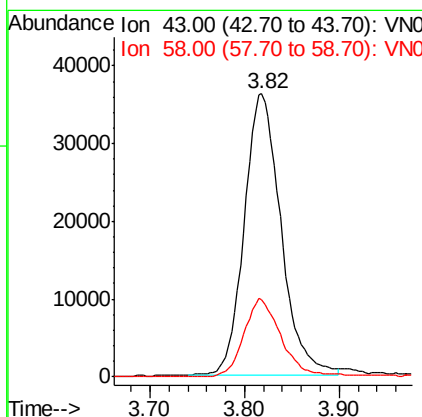
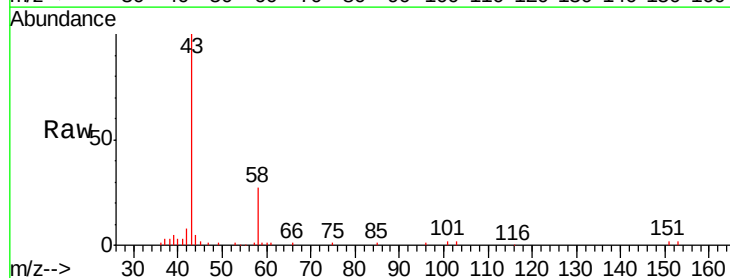
RT: 3.82 min Scan# 636

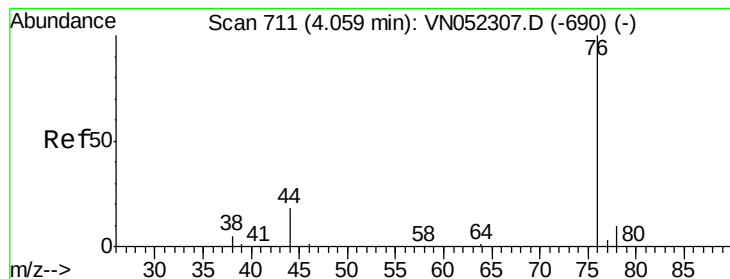
Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Tgt Ion:	43	Resp:	97155
Ion	Ratio	Lower	Upper
43	100		
58	27.5	24.2	36.4





#17

Carbon Disulfide

Concen: 19.39 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1121WBSD01

Tgt Ion: 76 Resp: 144691

Ion Ratio Lower Upper

76 100

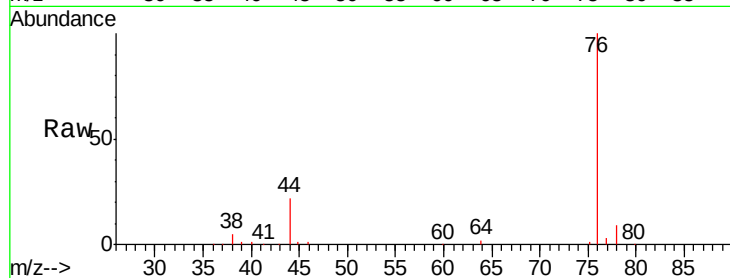
78 9.0 7.7 11.5

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

60000

50000

40000

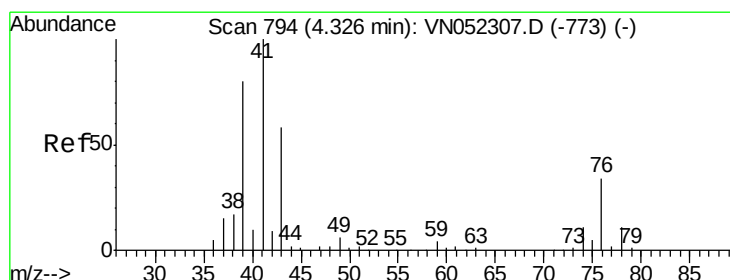
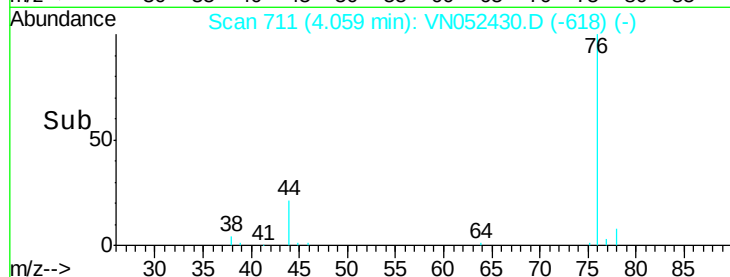
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 20.59 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052430.D

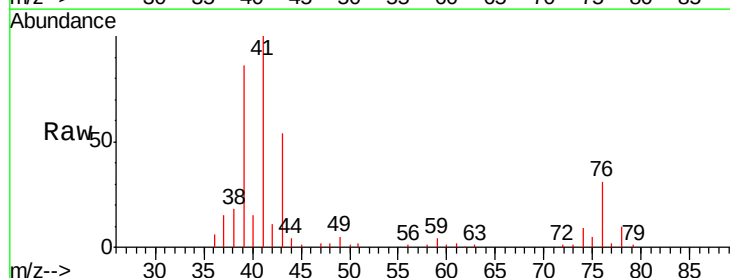
Acq: 21 Nov 2018 11:37

Tgt Ion: 43 Resp: 56013

Ion Ratio Lower Upper

43 100

74 9.7 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

20000

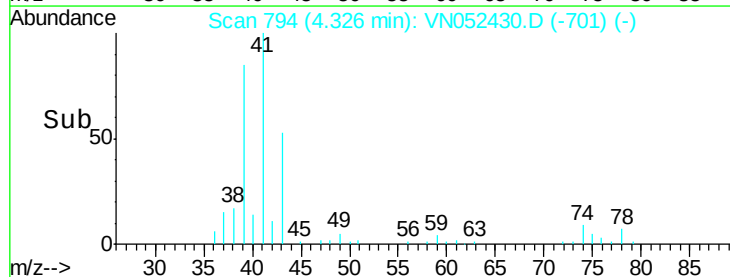
15000

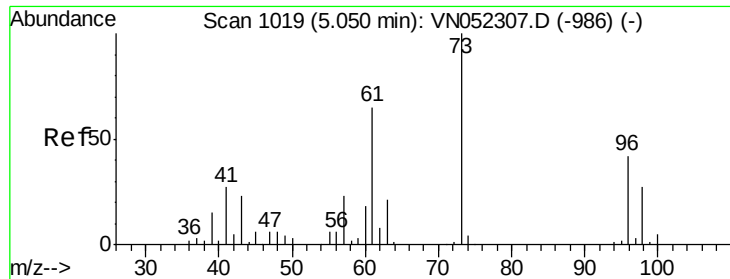
10000

5000

0

Time-->





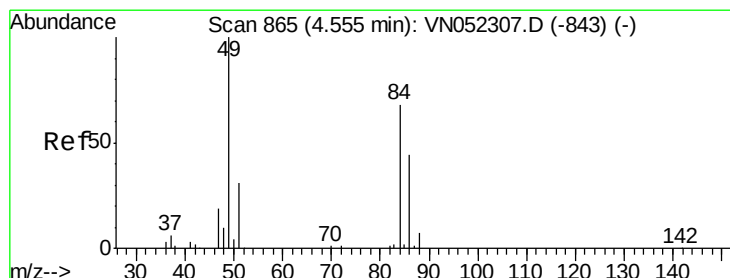
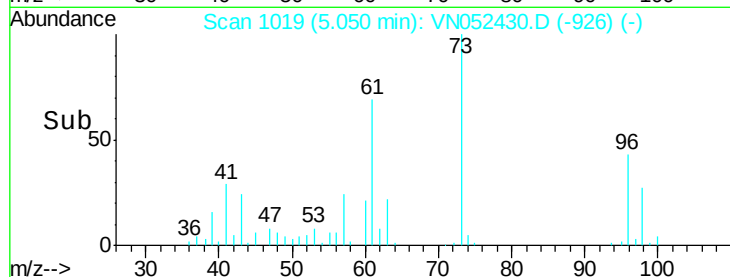
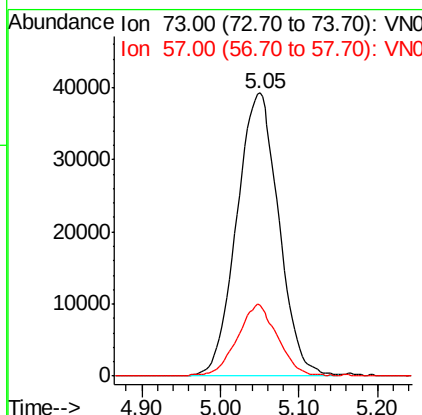
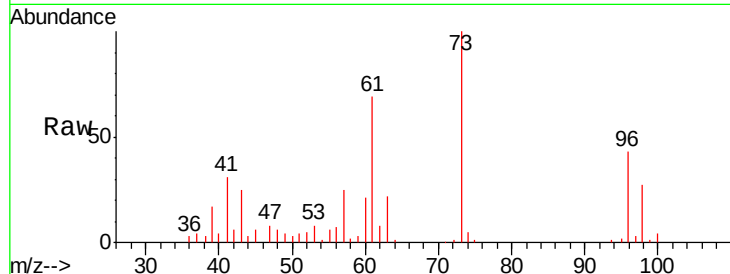
#19
Methyl tert-butyl Ether
Concen: 19.73 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

Tgt Ion: 73 Resp: 147511
Ion Ratio Lower Upper
73 100
57 24.9 18.7 28.1

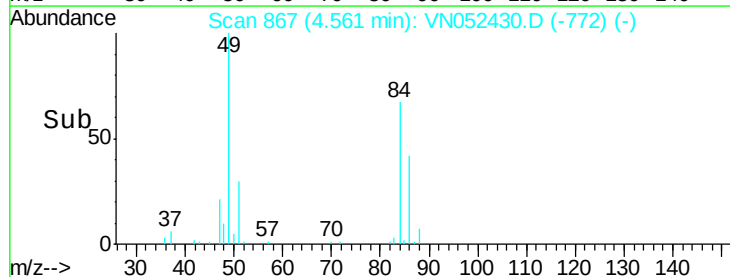
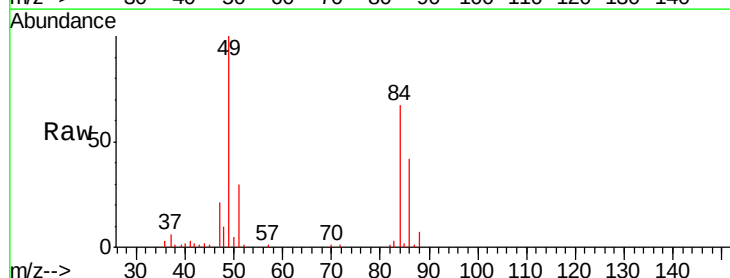
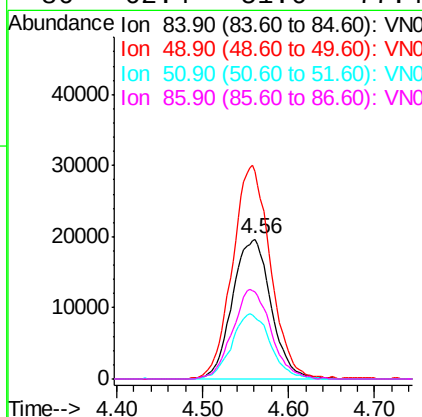
Manual Integrations
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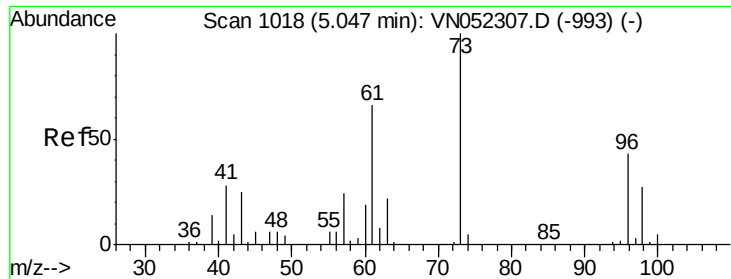
MMDadoda
11/26/2018 4:56:35 PM



#20
Methylene Chloride
Concen: 20.11 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion: 84 Resp: 61397
Ion Ratio Lower Upper
84 100
49 148.4 118.2 177.2
51 43.9 36.1 54.1
86 62.4 51.6 77.4





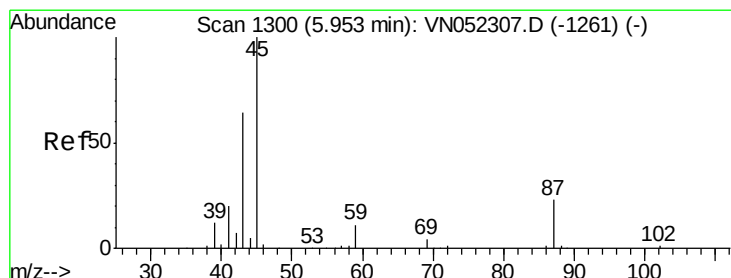
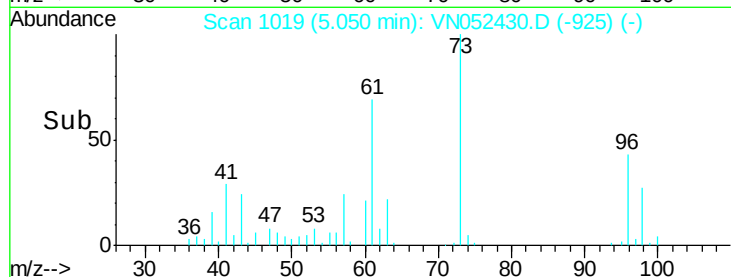
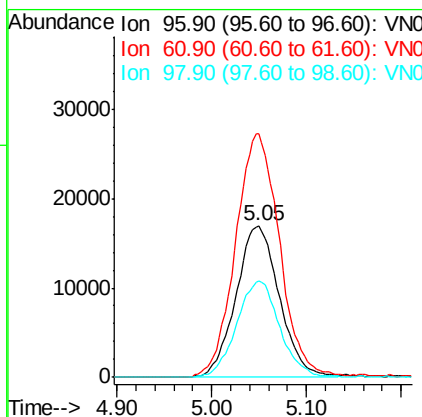
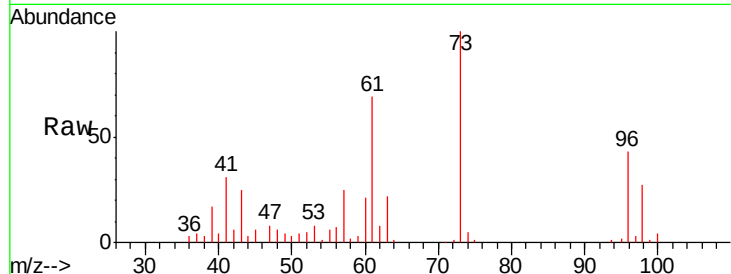
#21
trans-1,2-Dichloroethene
Concen: 19.32 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampled :
VN1121WBSD01

Tgt Ion: 96 Resp: 54130
Ion Ratio Lower Upper
96 100
61 160.4 123.6 185.4
98 63.2 50.7 76.1

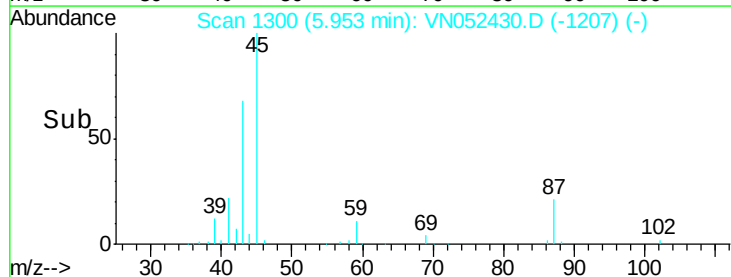
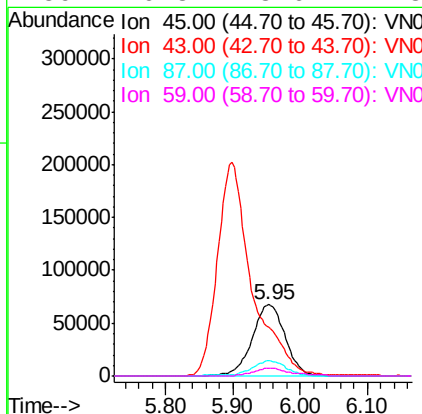
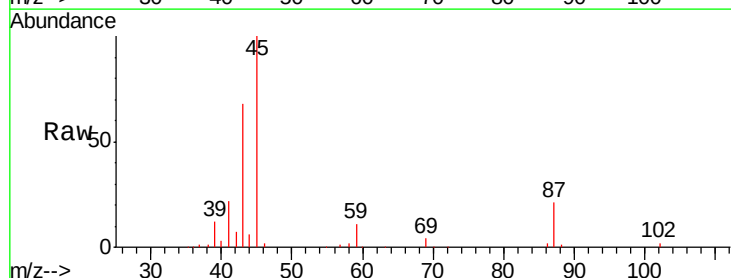
Manual Integrations
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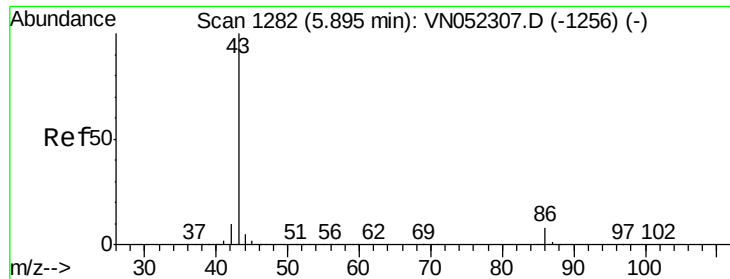
MMDadoda
11/26/2018 4:56:35 PM



#22
Diisopropyl ether
Concen: 21.16 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion: 45 Resp: 230673
Ion Ratio Lower Upper
45 100
43 66.5 51.4 77.2
87 21.4 18.8 28.2
59 10.8 8.6 12.8





#23

Vinyl Acetate

Concen: 98.09 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1121WBSD01

Tgt Ion: 43 Resp: 725335

Ion Ratio Lower Upper

43 100

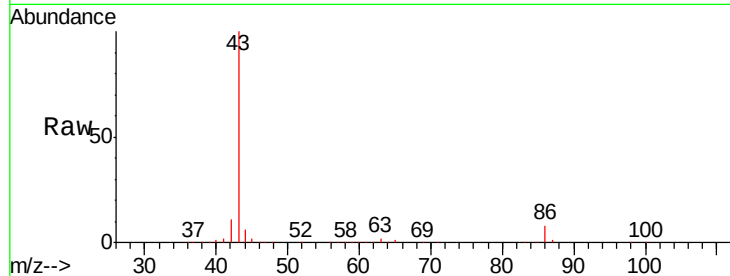
86 7.7 6.5 9.7

Manual Integrations

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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

200000

150000

100000

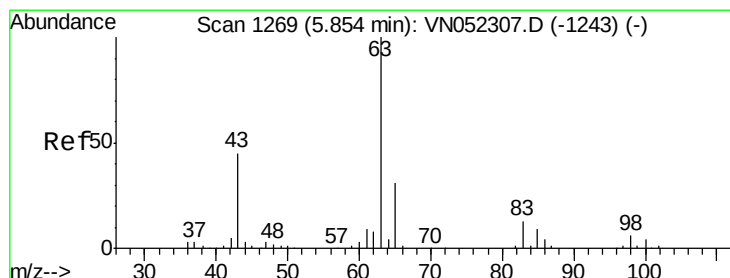
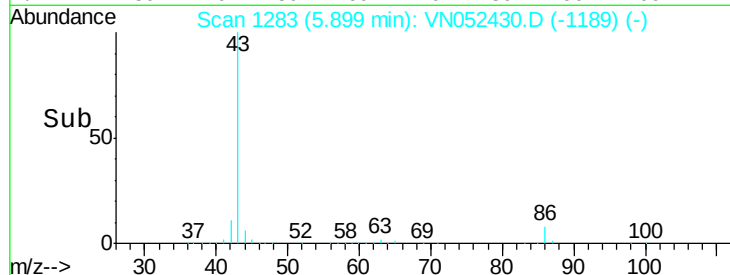
50000

0

5.80

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.45 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

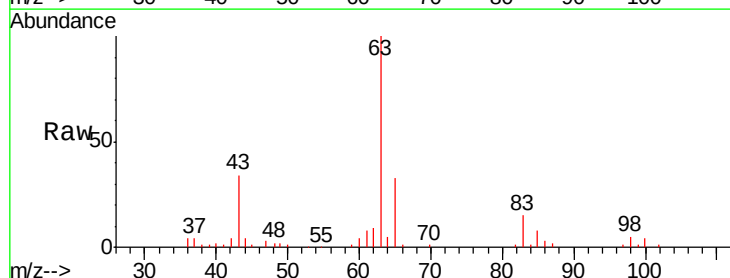
Tgt Ion: 63 Resp: 119519

Ion Ratio Lower Upper

63 100

98 4.9 2.9 8.6

100 3.6 1.9 5.7



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

50000

40000

30000

20000

10000

0

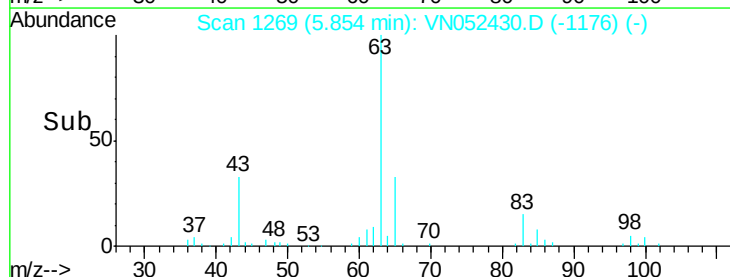
5.70

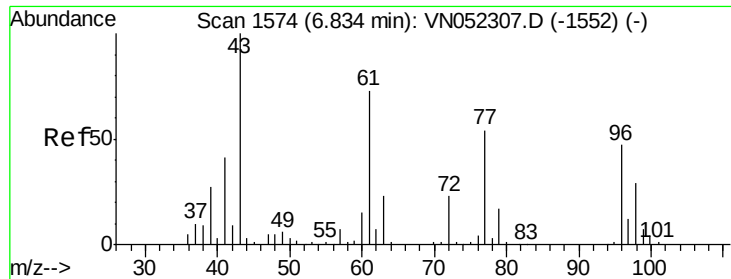
5.80

5.90

6.00

Time-->





#25

2-Butanone

Concen: 97.22 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1121WBSD01

Tgt Ion: 43 Resp: 134507

Ion Ratio Lower Upper

43 100

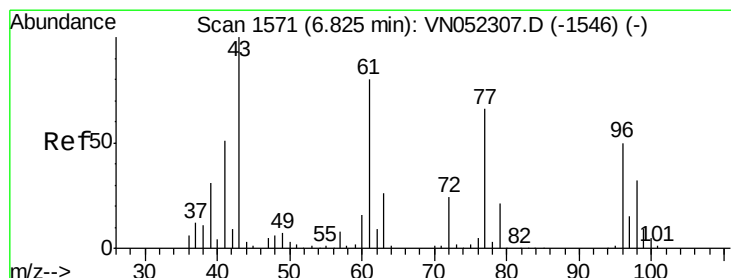
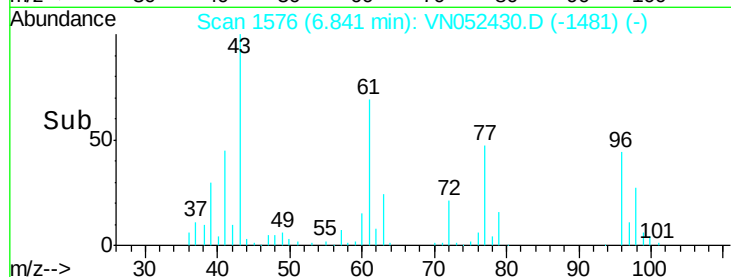
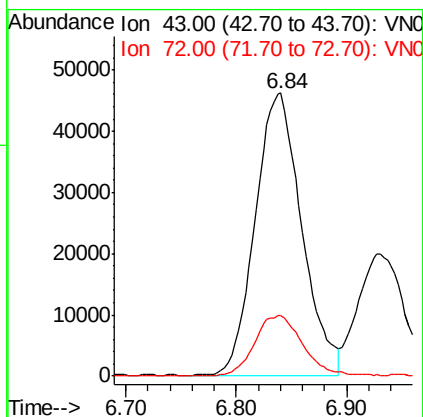
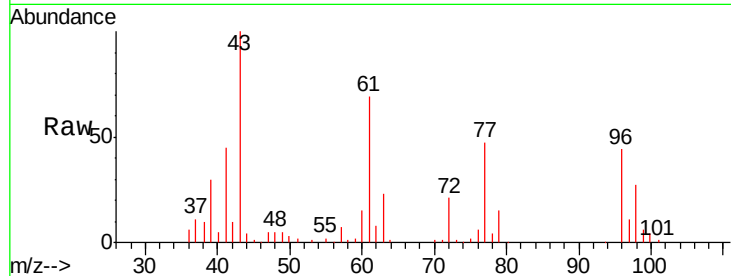
72 21.4 18.6 27.8

Manual Integrations

APPROVED

MMDadoda

11/26/2018 4:56:35 PM



#26

2,2-Dichloropropane

Concen: 19.58 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN052430.D

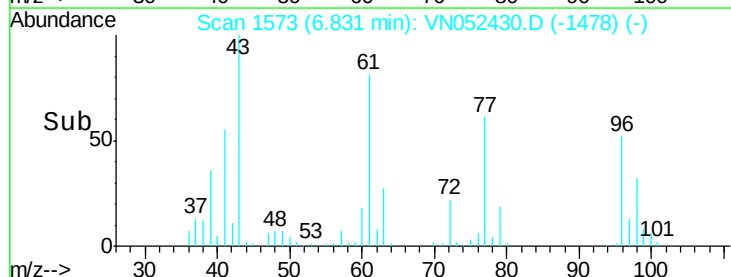
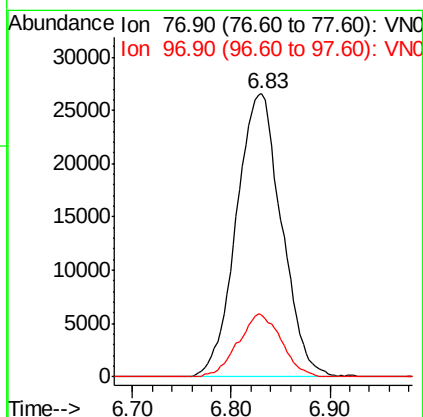
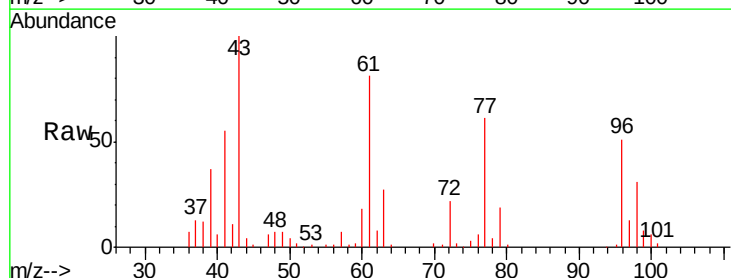
Acq: 21 Nov 2018 11:37

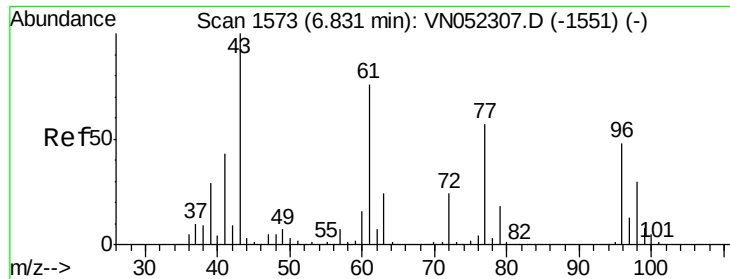
Tgt Ion: 77 Resp: 84158

Ion Ratio Lower Upper

77 100

97 21.3 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 19.81 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

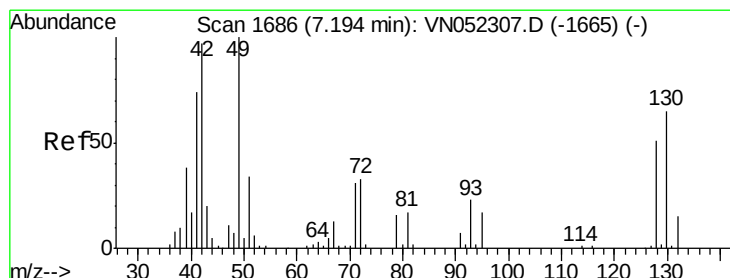
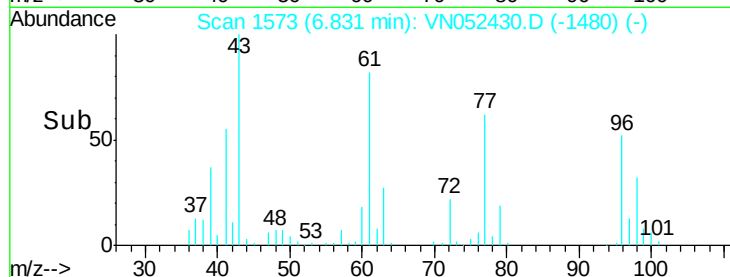
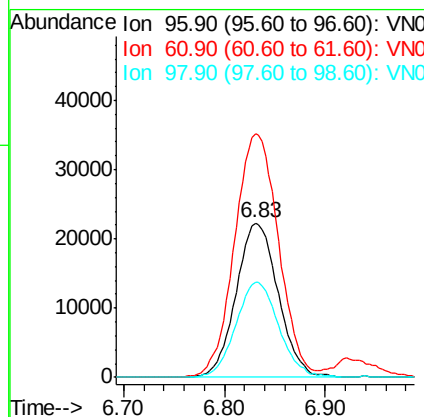
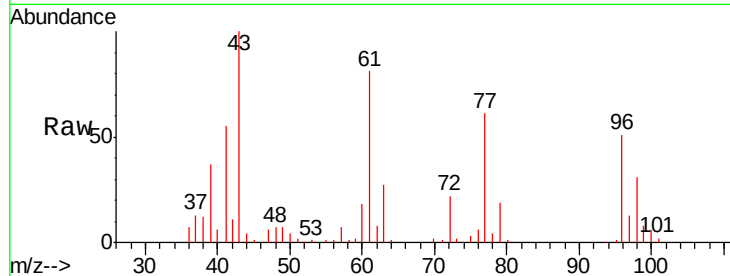
ClientSampleId :

VN1121WBSD01

Tgt Ion:	96	Resp:	64587
Ion	Ratio	Lower	Upper
96	100		
61	164.4	0.0	316.8
98	62.9	0.0	126.6

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#28

Bromochloromethane

Concen: 21.56 ug/l

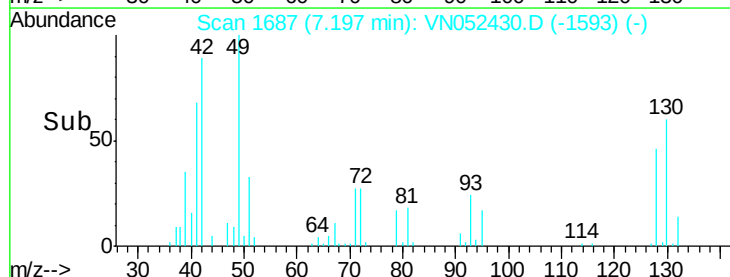
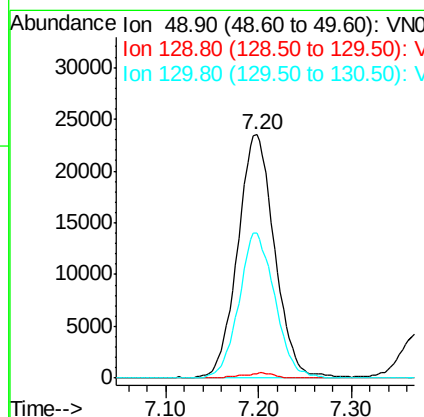
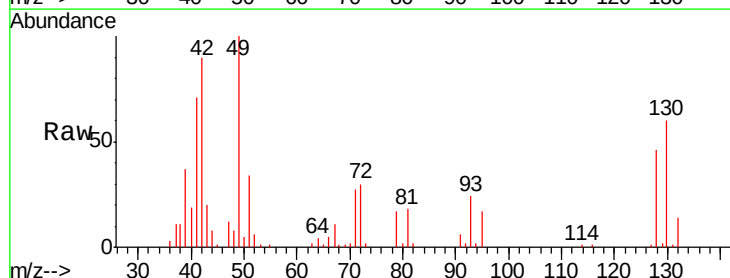
RT: 7.20 min Scan# 1687

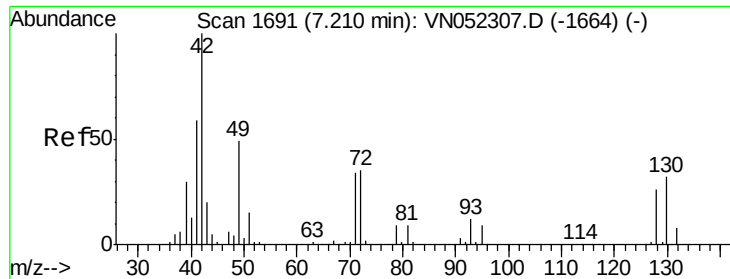
Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Tgt Ion:	49	Resp:	64801
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.0
130	58.0	50.4	75.6





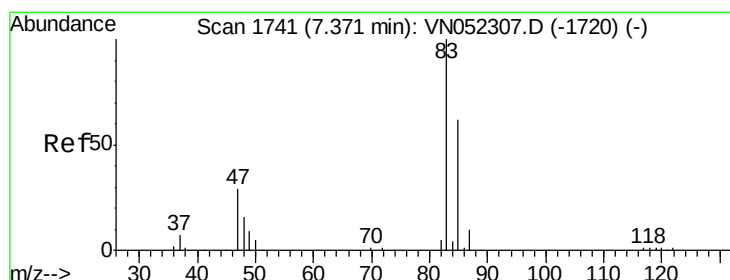
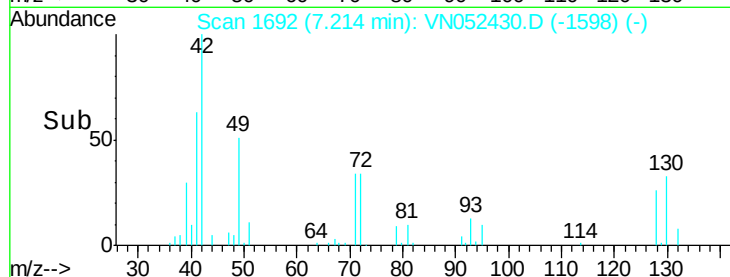
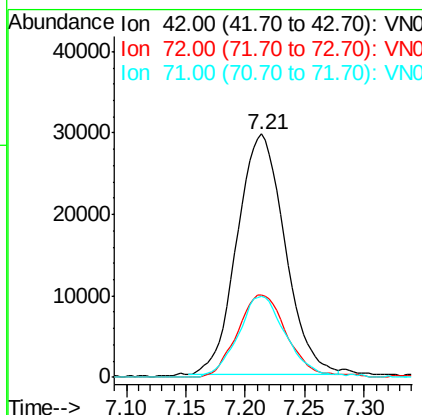
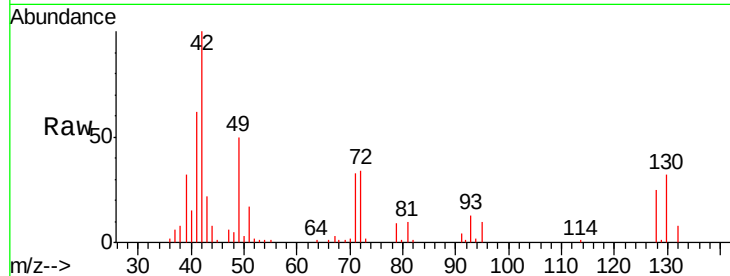
#29
Tetrahydrofuran
Concen: 90.36 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.4	28.6	42.8
71	33.8	26.7	40.1

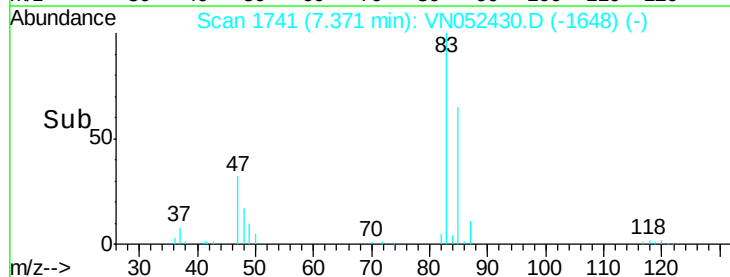
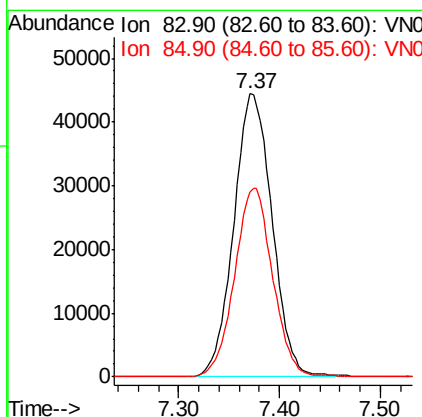
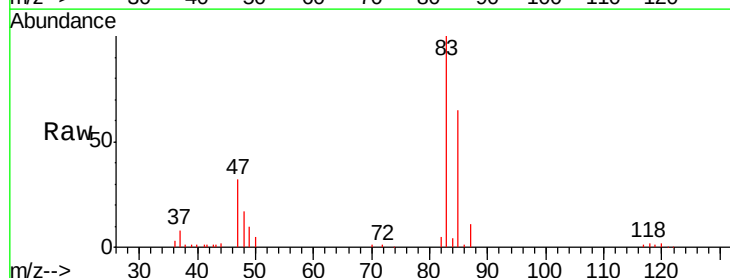
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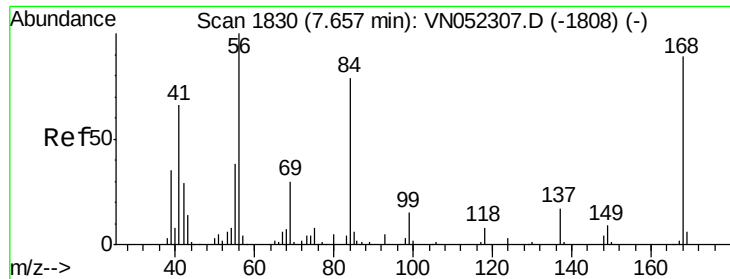
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#30
Chloroform
Concen: 21.04 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	49.4	74.2





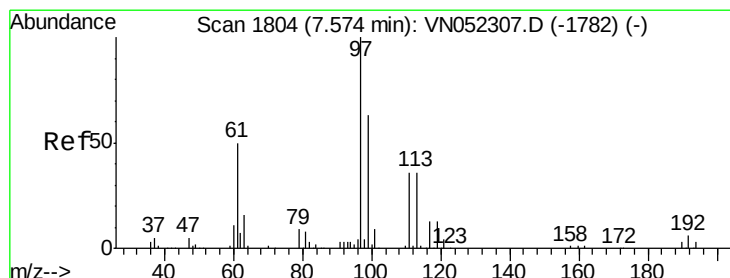
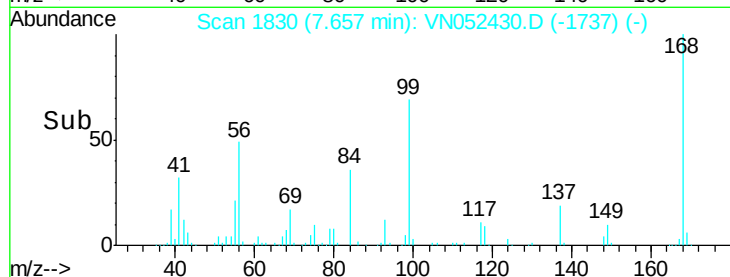
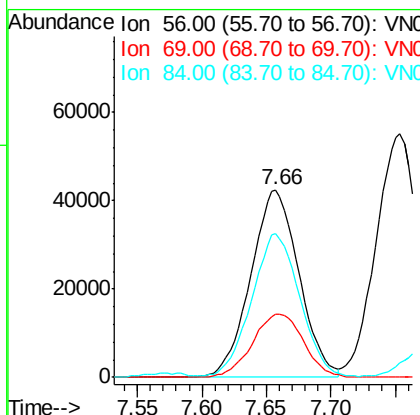
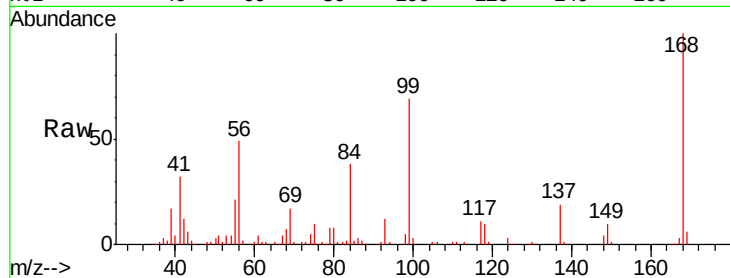
#31
Cyclohexane
Concen: 19.70 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.5	23.8	35.8
84	75.6	63.0	94.6

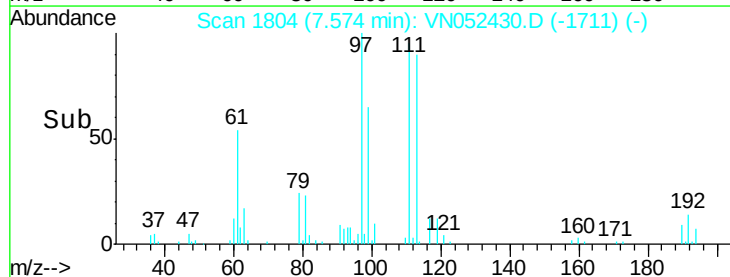
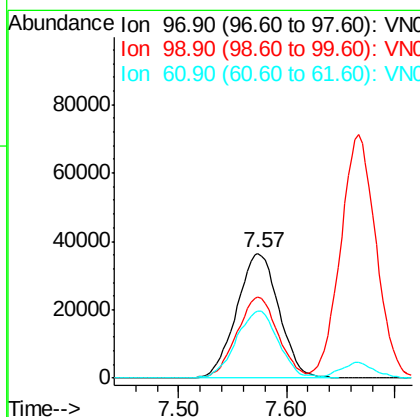
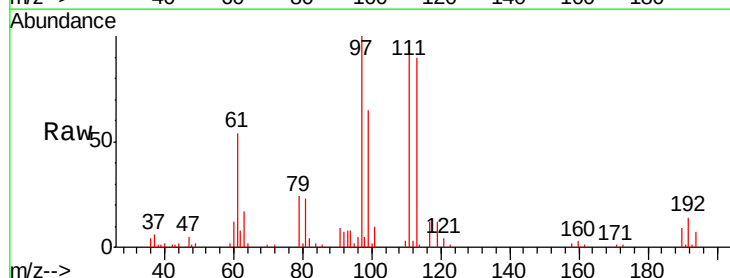
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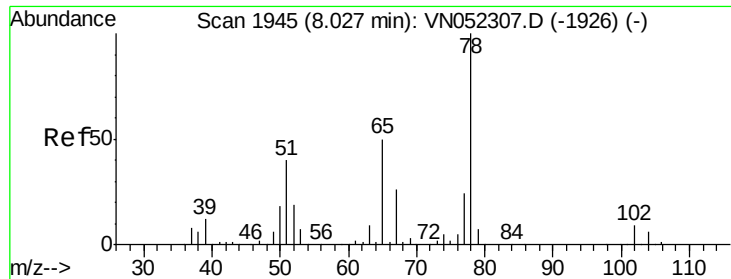
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#32
1,1,1-Trichloroethane
Concen: 20.97 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.2	75.2
61	53.6	40.2	60.4





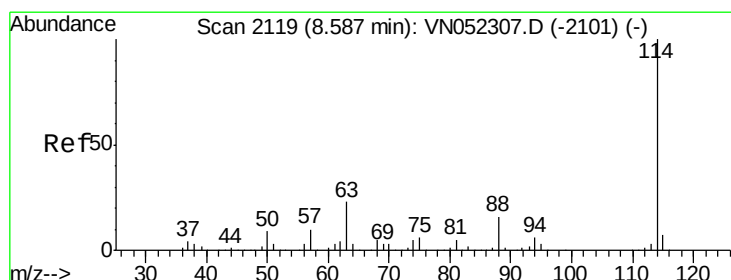
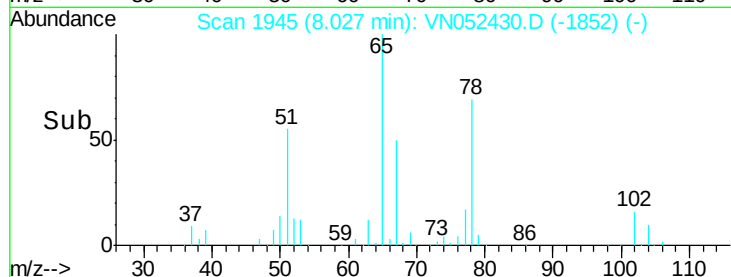
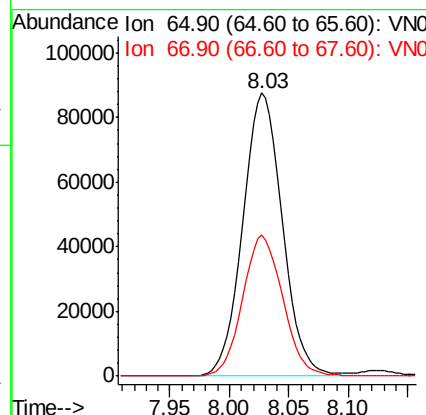
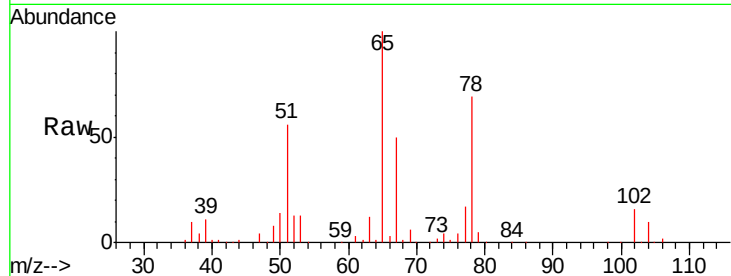
#33
 1,2-Dichloroethane-d4
 Concen: 20.97 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01

Tgt Ion: 65 Resp: 202013
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 105.2

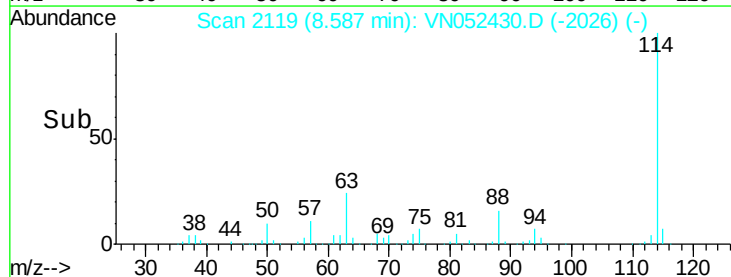
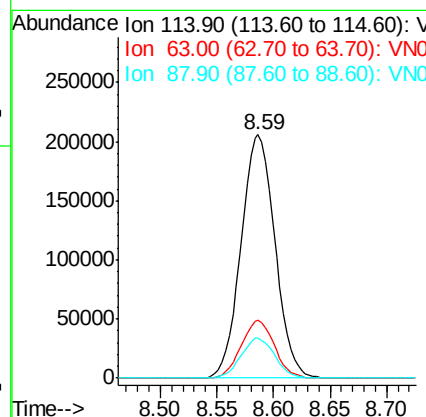
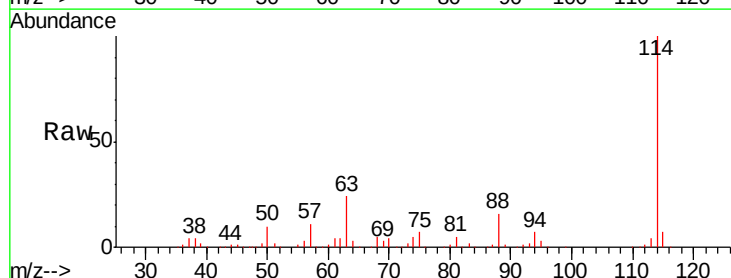
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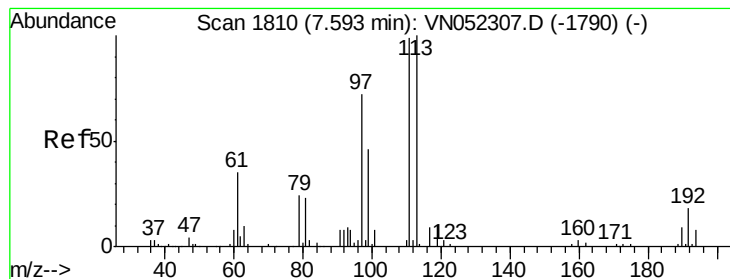
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion: 114 Resp: 430149
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 45.4
 88 16.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

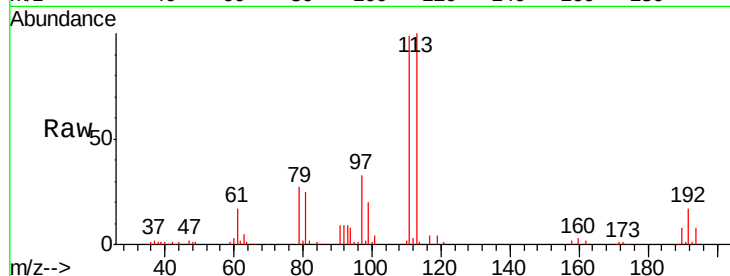
ClientSampleId :

VN1121WBSD01

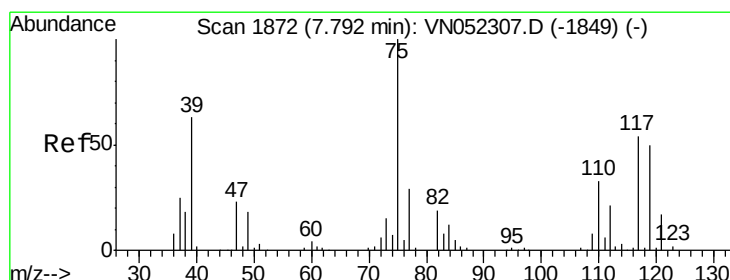
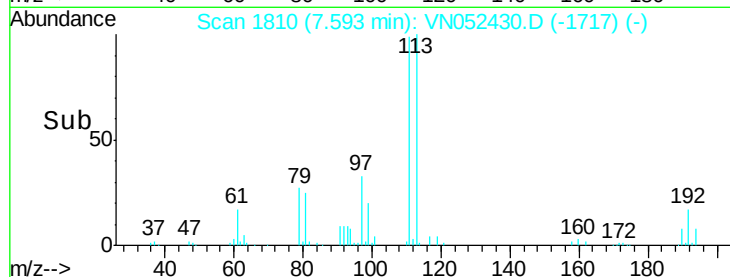
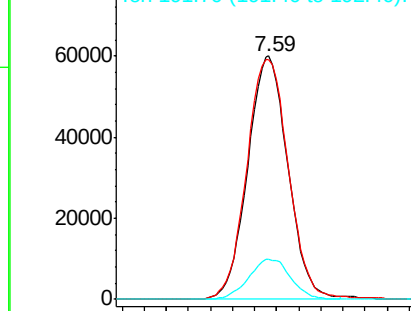
Tgt Ion:	113	Resp:	150980
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.0	121.6
192	17.2	13.8	20.6

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.36 ug/l

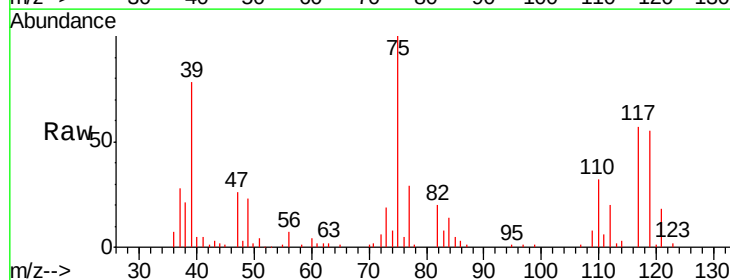
RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

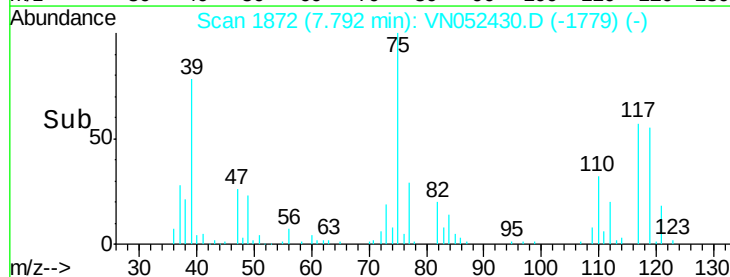
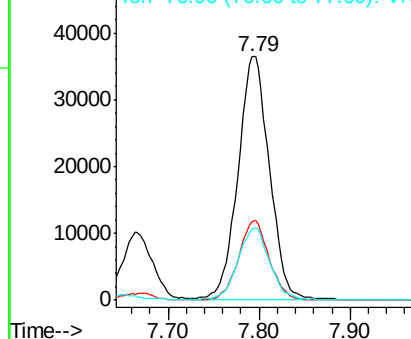
Lab File: VN052430.D

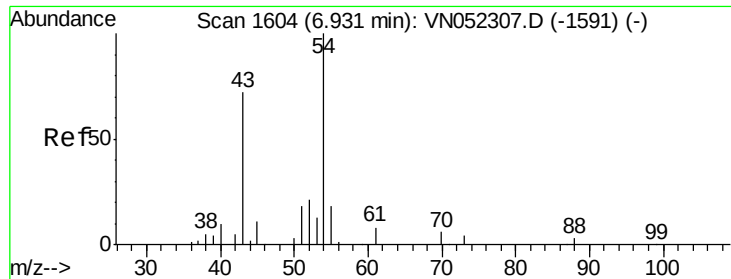
Acq: 21 Nov 2018 11:37

Tgt Ion:	75	Resp:	87759
Ion Ratio	Lower	Upper	
75	100		
110	31.7	16.5	49.5
77	29.9	24.2	36.2



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





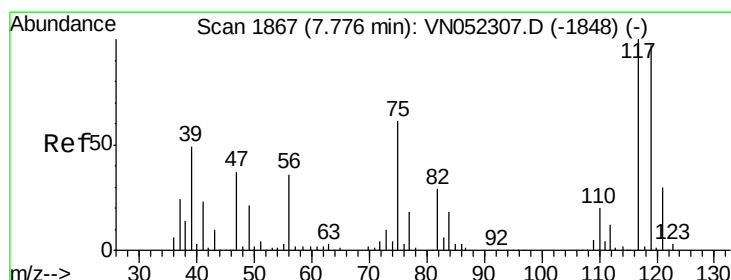
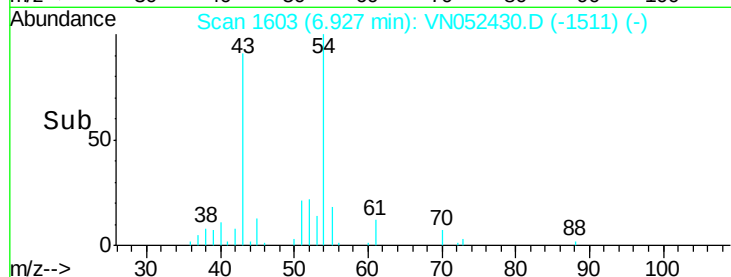
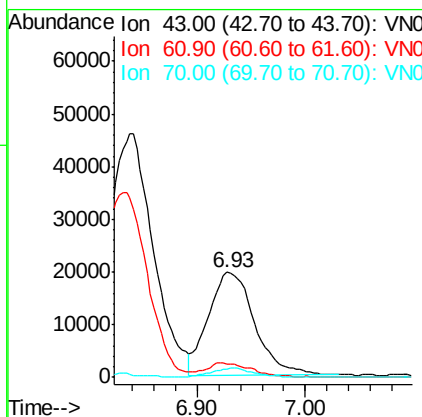
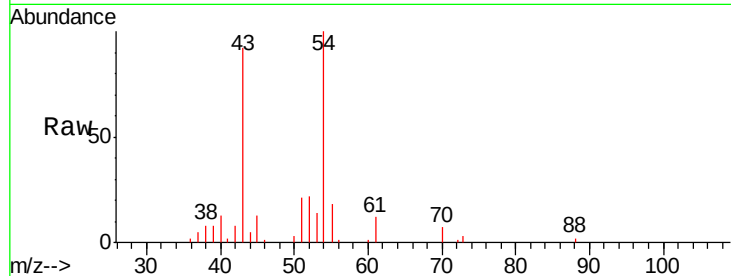
#37
Ethyl Acetate
 Concen: 18.77 ug/l
 RT: 6.93 min Scan# 1603
 Delta R.T. -0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01

Tgt Ion: 43 Resp: 58718
 Ion Ratio Lower Upper
 43 100
 61 12.9 10.3 15.5
 70 8.1 5.6 8.4

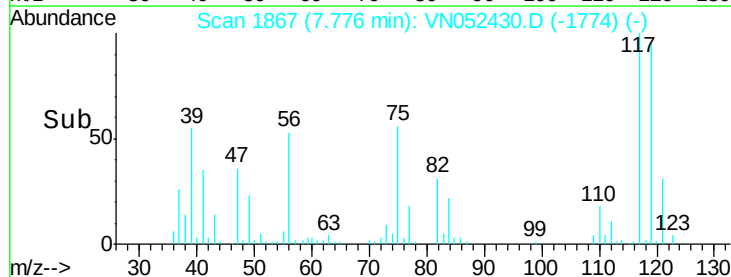
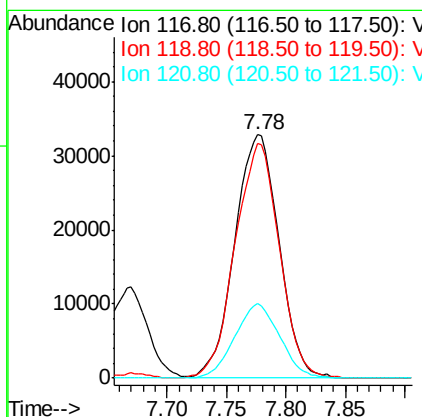
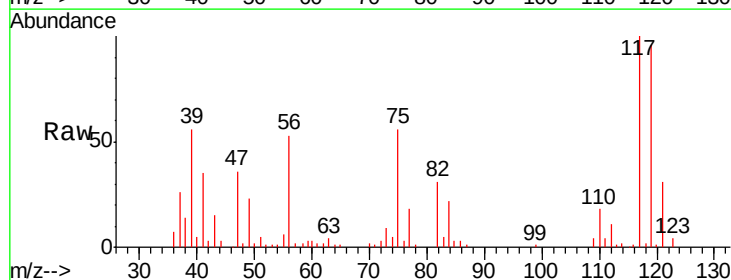
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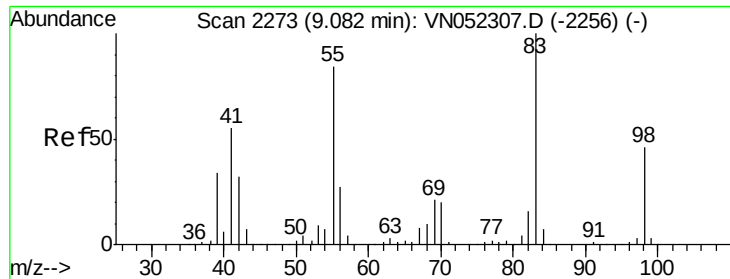
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#38
Carbon Tetrachloride
 Concen: 21.35 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion: 117 Resp: 84580
 Ion Ratio Lower Upper
 117 100
 119 95.9 77.4 116.0
 121 30.7 24.0 36.0





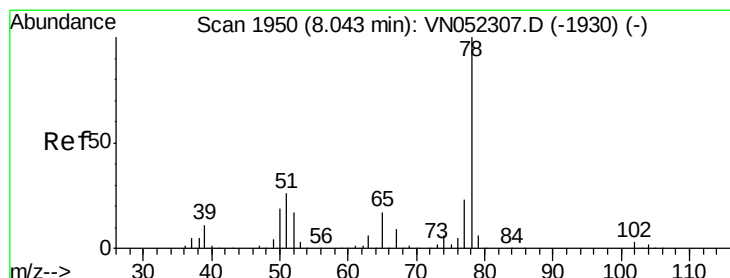
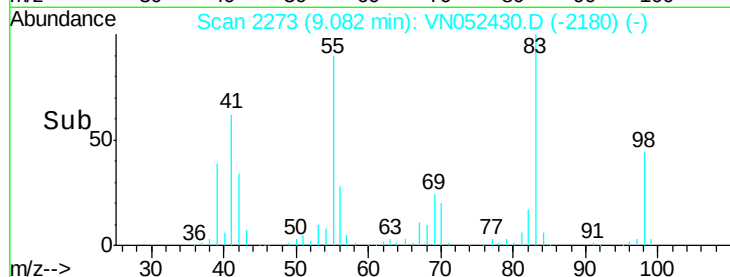
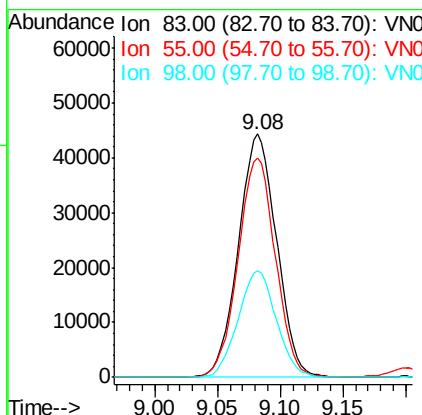
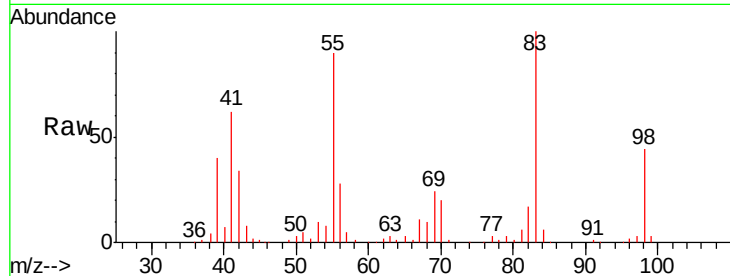
#39
Methylcyclohexane
Concen: 19.05 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	90.1	66.8	100.2
98	43.7	36.4	54.6

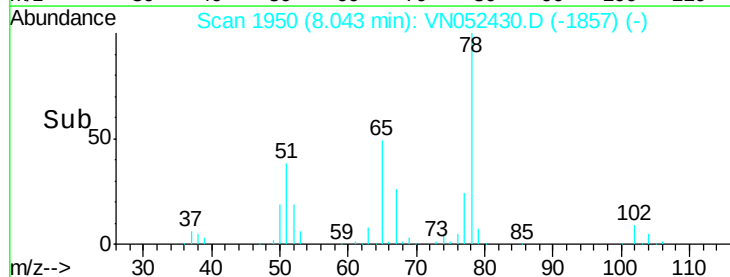
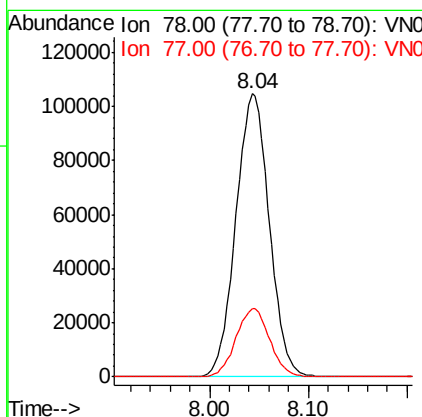
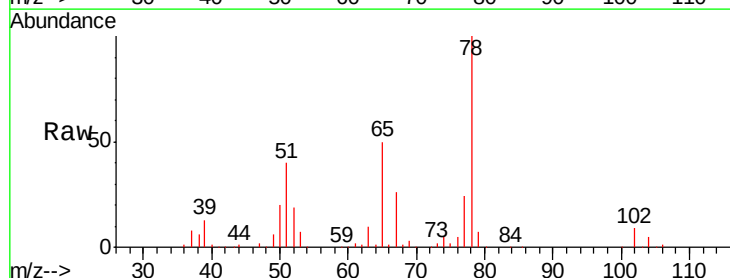
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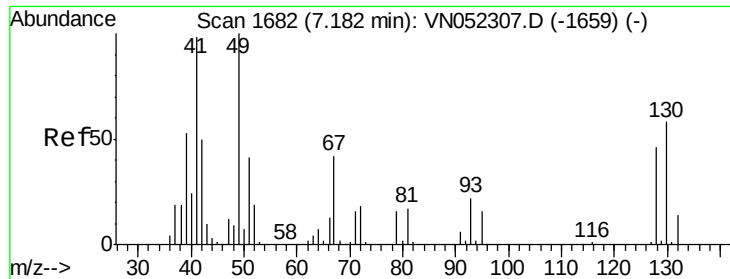
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#40
Benzene
Concen: 19.98 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.7	28.1





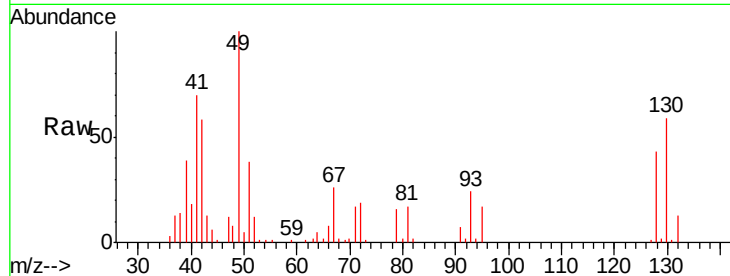
#41
Methacrylonitrile
Concen: 22.60 ug/l m
RT: 7.19 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

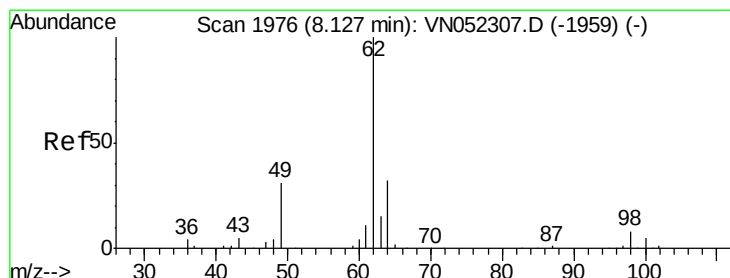
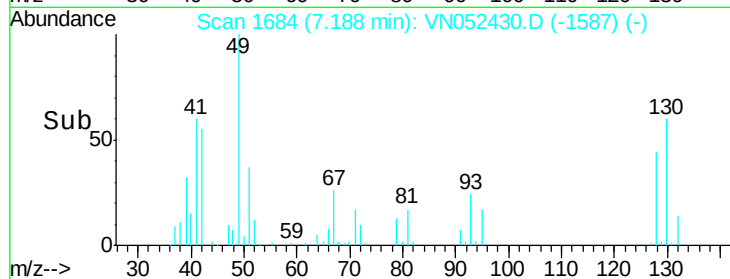
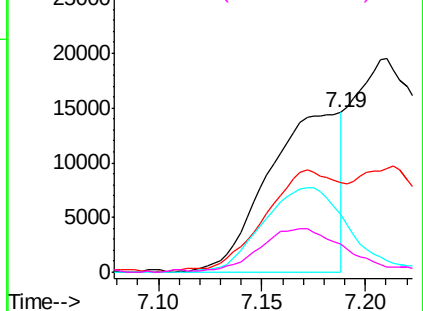
Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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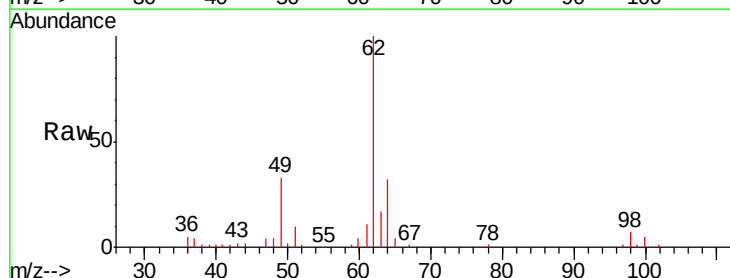


Abundance Ion 41.00 (40.70 to 41.70): VN052430.D (-1587) (-)
Ion 39.00 (38.70 to 39.70): VN052430.D (-1587) (-)
Ion 67.00 (66.70 to 67.70): VN052430.D (-1587) (-)
Ion 52.00 (51.70 to 52.70): VN052430.D (-1587) (-)

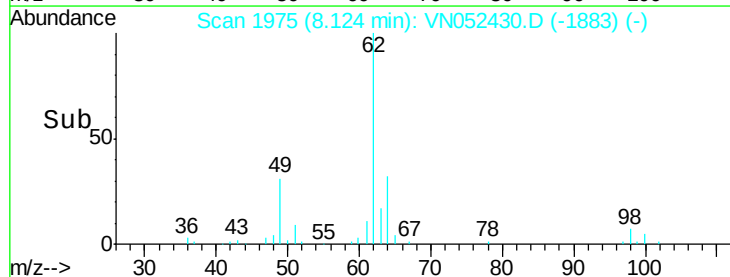
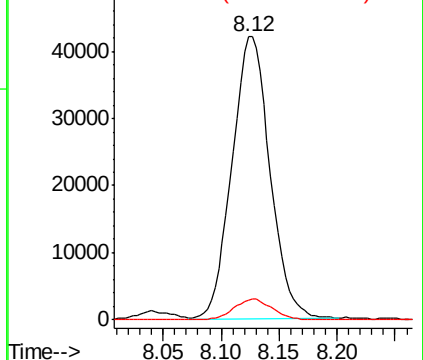


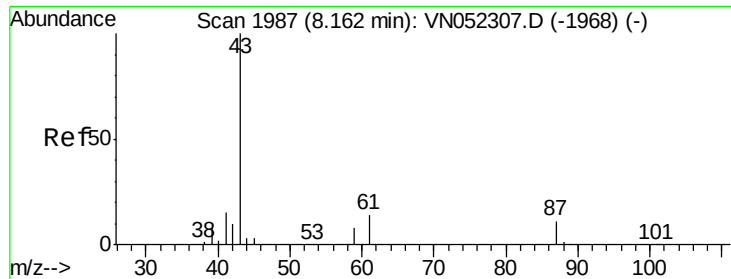
#42
1,2-Dichloroethane
Concen: 21.68 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.6



Abundance Ion 61.90 (61.60 to 62.60): VN052430.D (-1883) (-)
Ion 97.90 (97.60 to 98.60): VN052430.D (-1883) (-)





#43

Isopropyl Acetate

Concen: 18.27 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

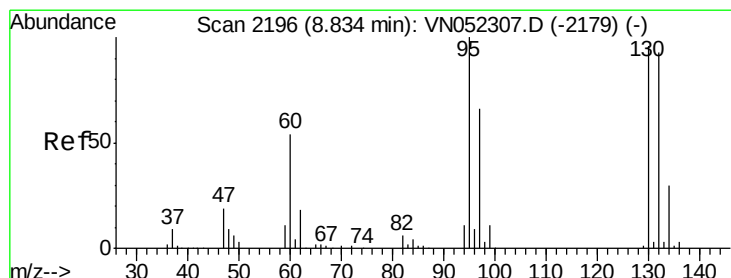
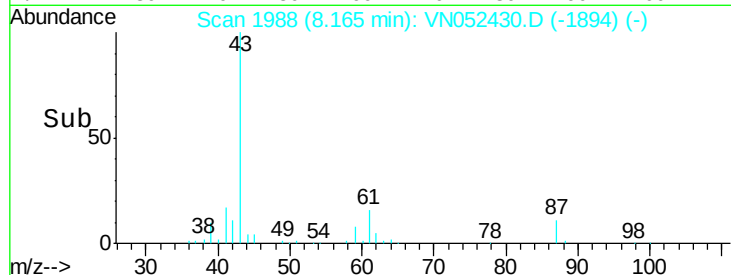
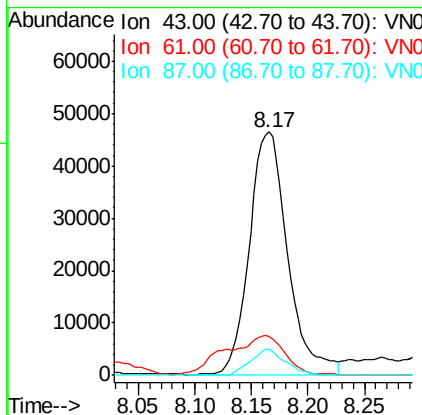
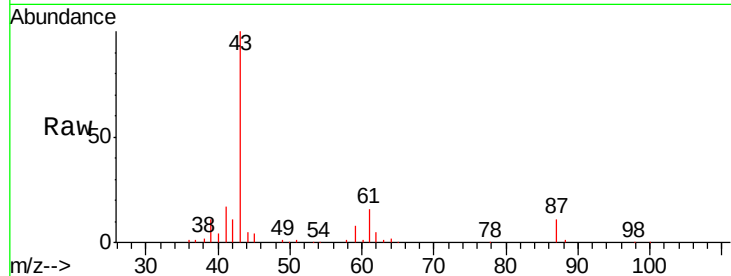
ClientSampleId :

VN1121WBSD01

Tgt Ion:	43	Resp:	110323
Ion Ratio	Lower	Upper	
43	100		
61	25.4	12.0	18.0#
87	9.8	8.3	12.5

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#44

Trichloroethene

Concen: 19.73 ug/l

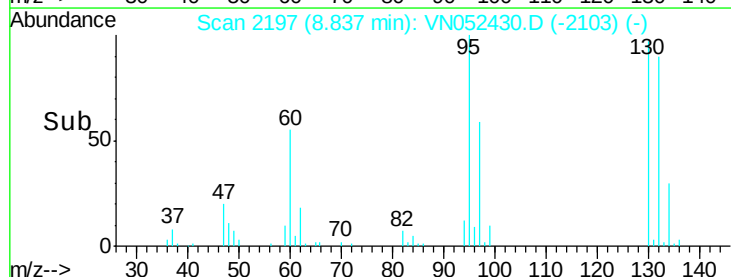
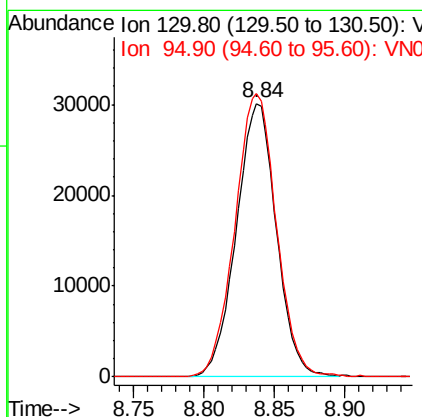
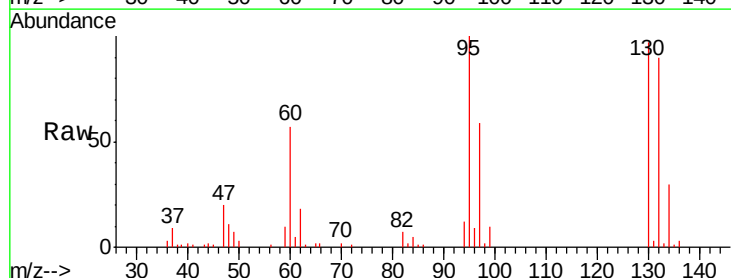
RT: 8.84 min Scan# 2197

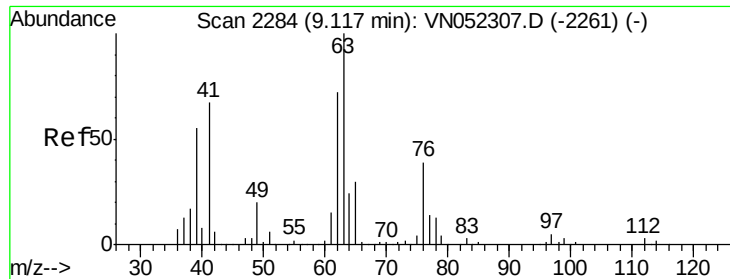
Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Tgt Ion:	130	Resp:	59868
Ion Ratio	Lower	Upper	
130	100		
95	103.6	0.0	208.4





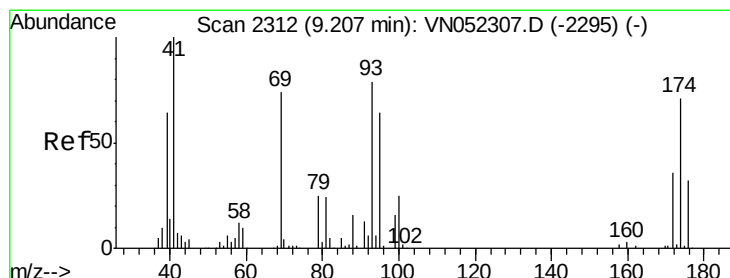
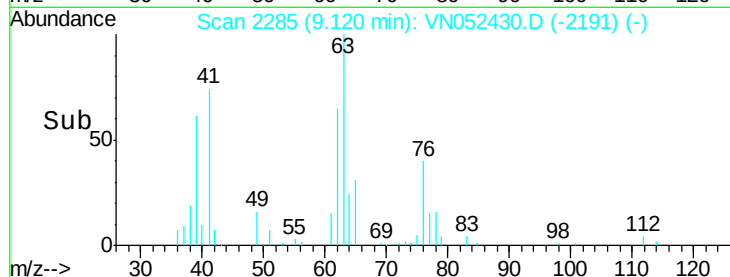
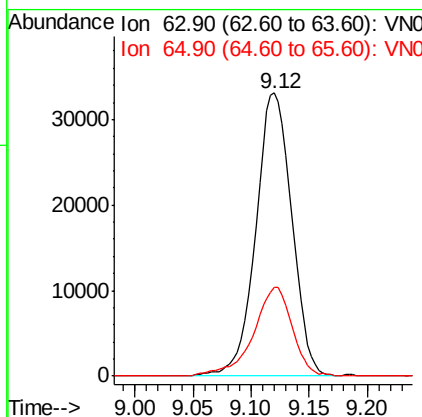
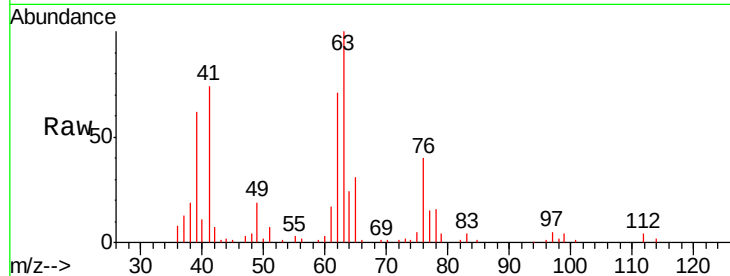
#45
 1,2-Dichloropropane
 Concen: 20.46 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01

Tgt Ion: 63 Resp: 71527
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.2 36.4

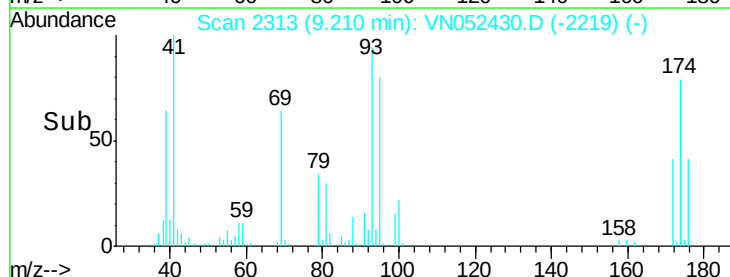
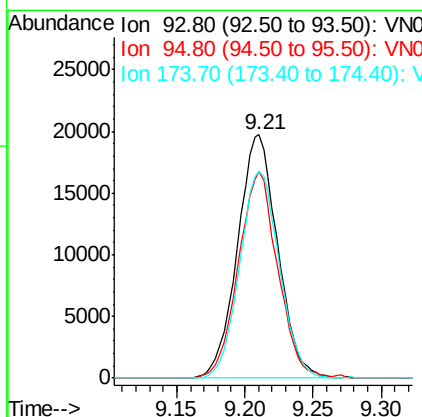
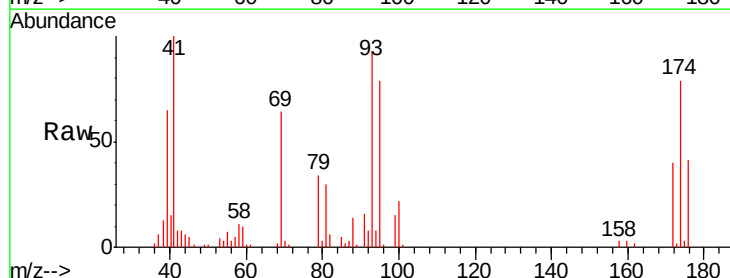
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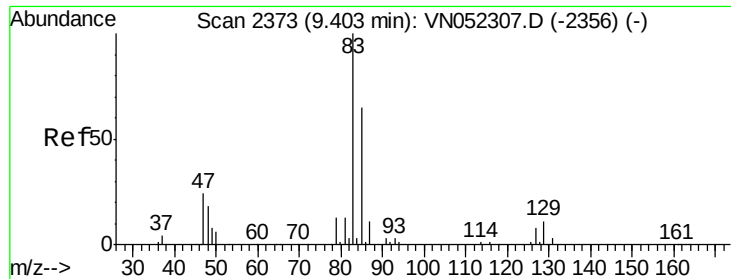
MMDadoda
 11/26/2018 4:56:35 PM



#46
 Dibromomethane
 Concen: 19.91 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion: 93 Resp: 40280
 Ion Ratio Lower Upper
 93 100
 95 83.1 64.2 96.2
 174 83.9 70.9 106.3





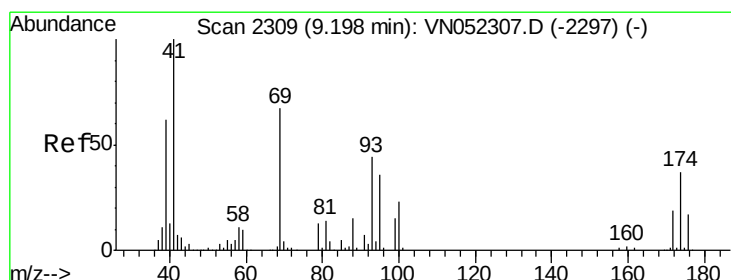
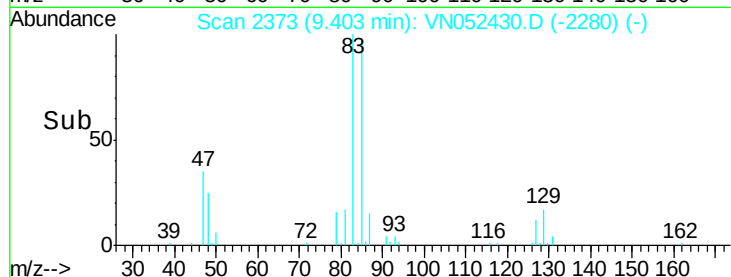
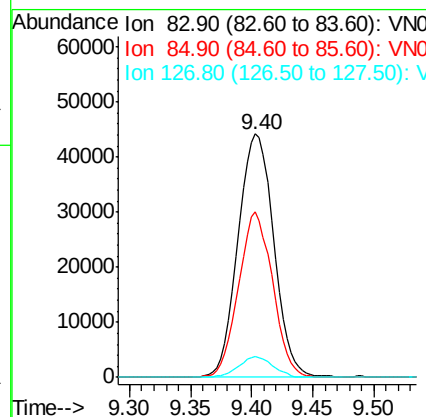
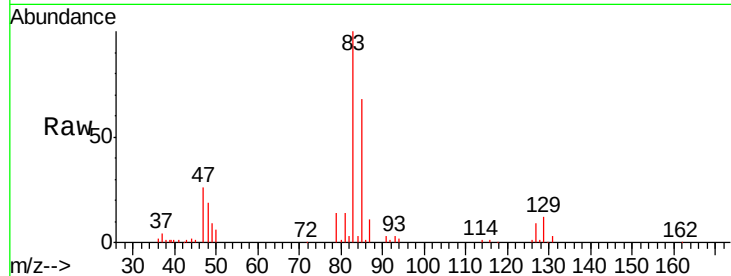
#47
Bromodichloromethane
Concen: 21.62 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	52.2	78.4
127	8.6	6.7	10.1

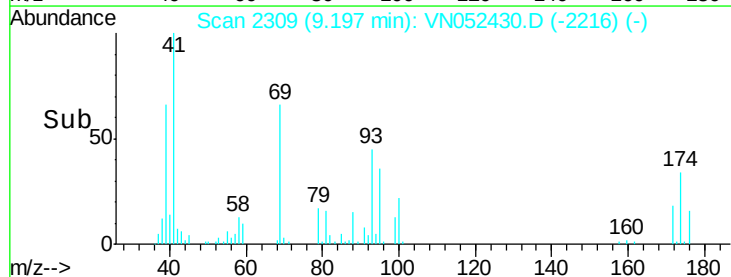
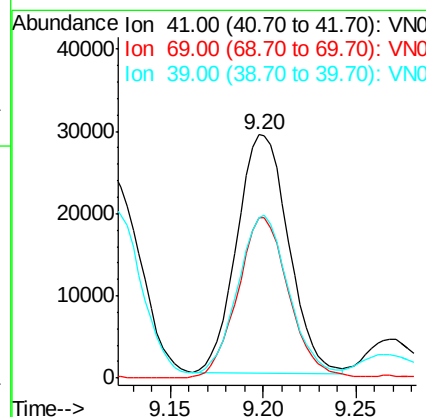
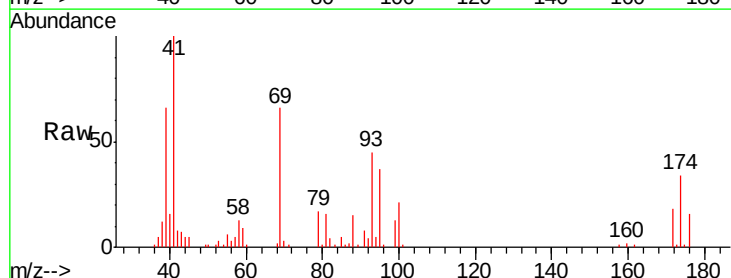
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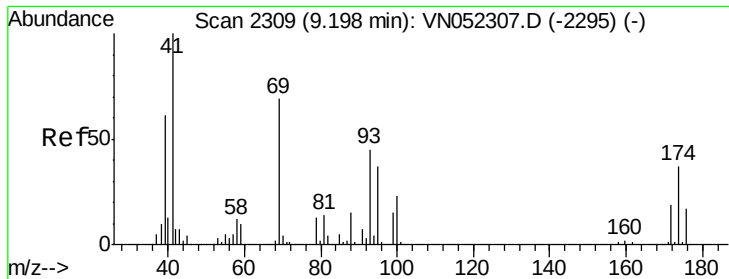
MMDadoda
11/26/2018 4:56:35 PM



#48
Methyl methacrylate
Concen: 18.29 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion	Ratio	Lower	Upper
41	100		
69	66.6	57.1	85.7
39	66.9	52.5	78.7





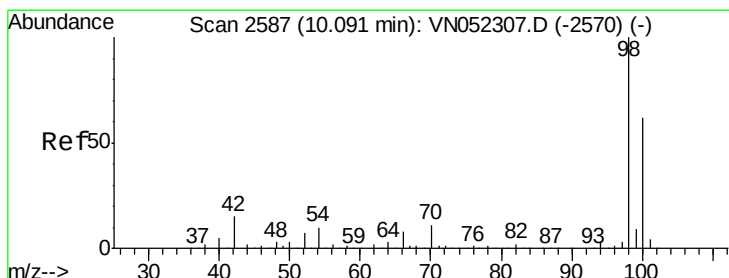
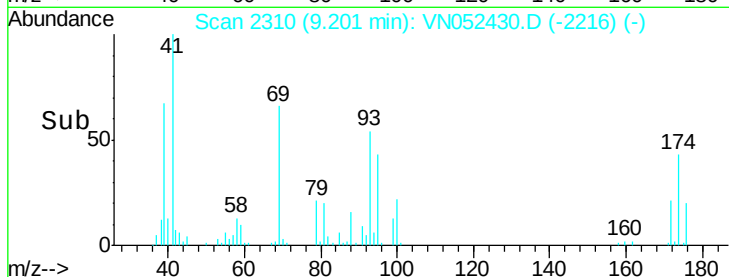
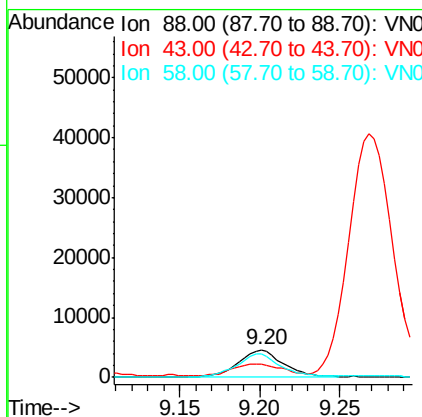
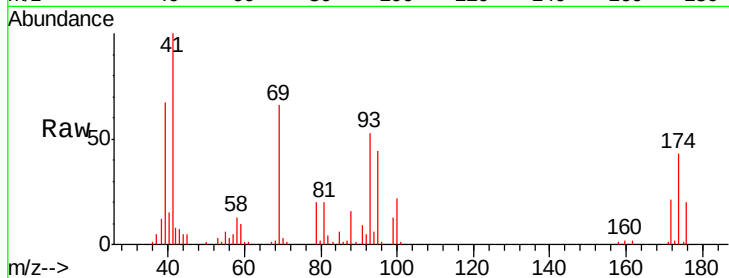
#49
1,4-Dioxane
Concen: 378.64 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	43.3	33.3	49.9
58	83.4	59.2	88.8

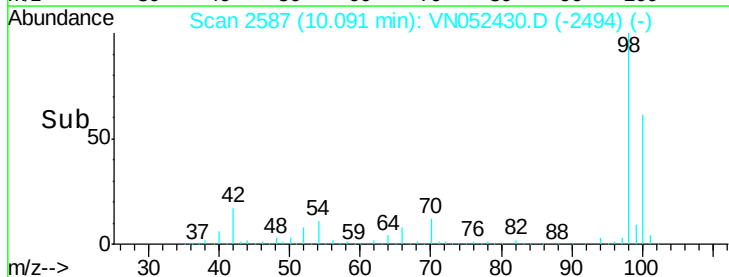
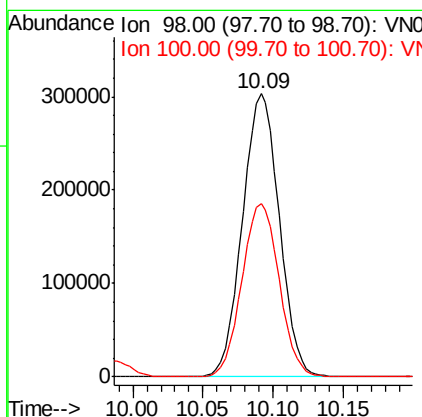
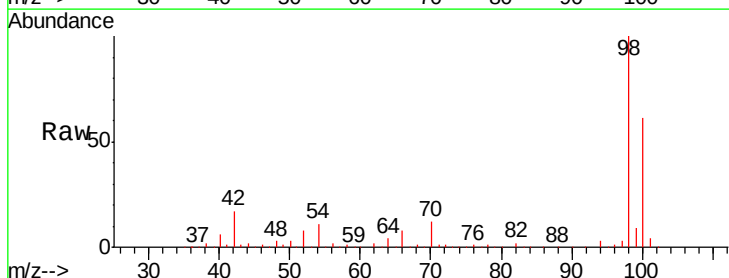
Manual Integrations
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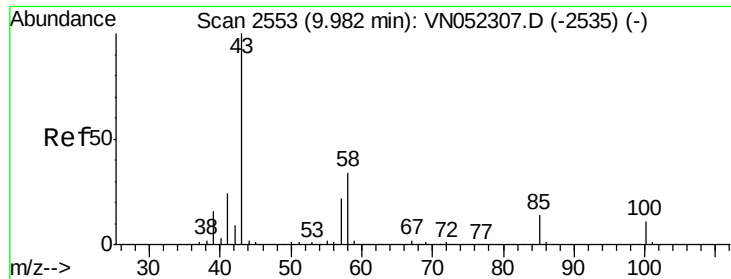
MMDadoda
11/26/2018 4:56:35 PM



#50
Toluene-d8
Concen: 378.64 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.7	49.5	74.3





#51

4-Methyl-2-Pentanone

Concen: 97.40 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

ClientSampled :

VN1121WBSD01

Tgt Ion: 43 Resp: 296012

Ion Ratio Lower Upper

43 100

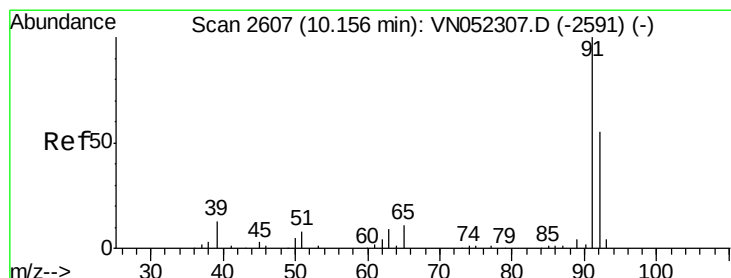
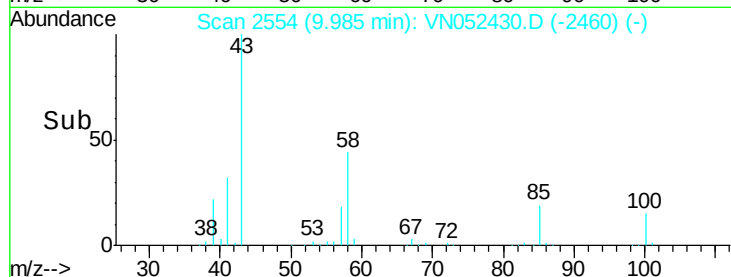
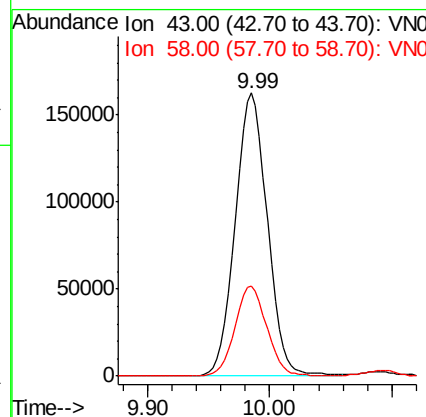
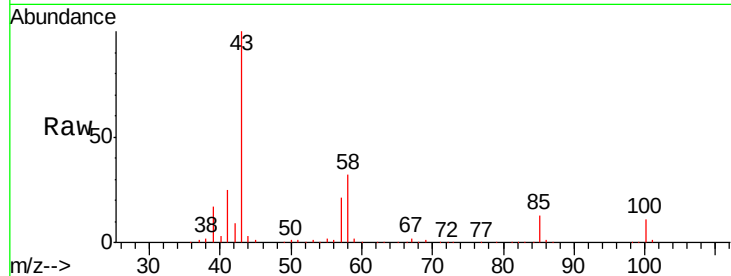
58 31.8 27.0 40.6

Manual Integrations

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#52

Toluene

Concen: 20.14 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052430.D

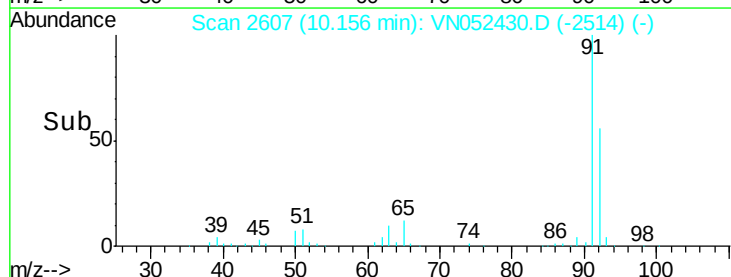
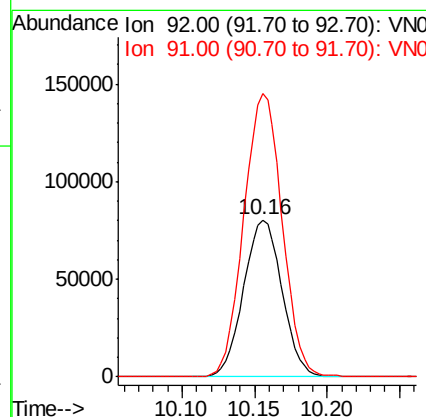
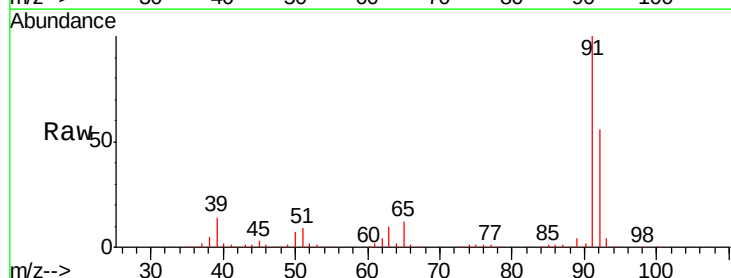
Acq: 21 Nov 2018 11:37

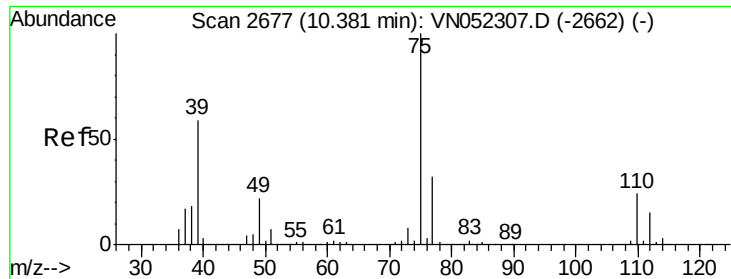
Tgt Ion: 92 Resp: 148384

Ion Ratio Lower Upper

92 100

91 179.9 143.6 215.4





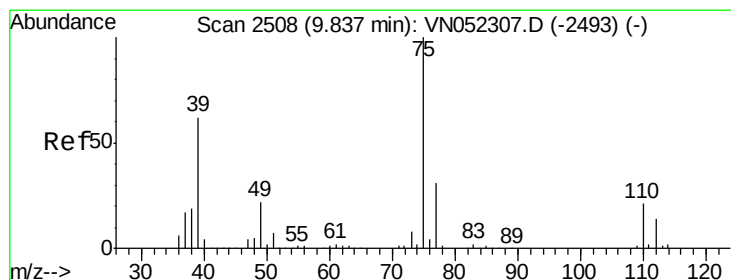
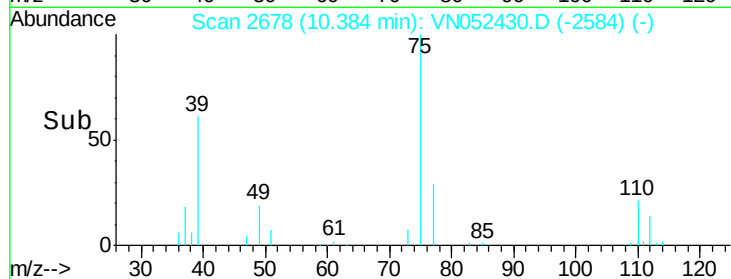
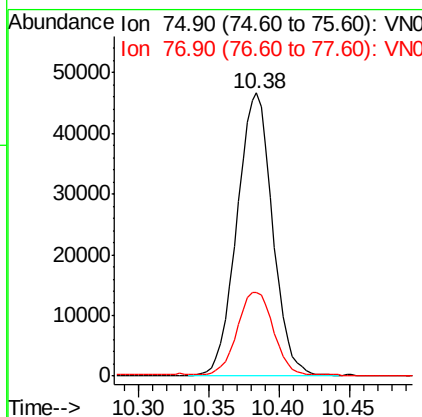
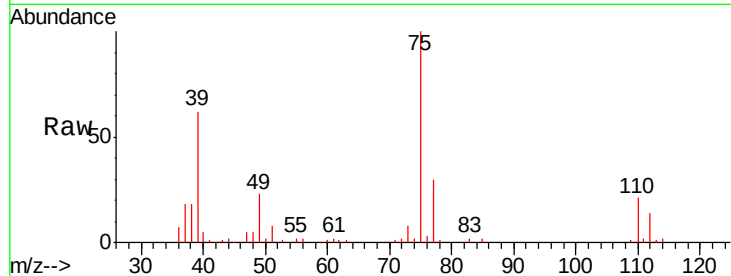
#53
 t-1,3-Dichloropropene
 Concen: 19.73 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01

Tgt Ion: 75 Resp: 82610
 Ion Ratio Lower Upper
 75 100
 77 29.2 25.7 38.5

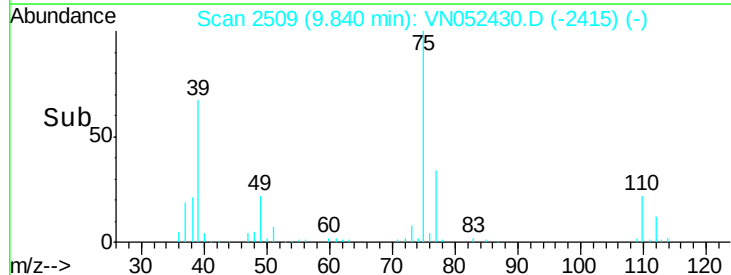
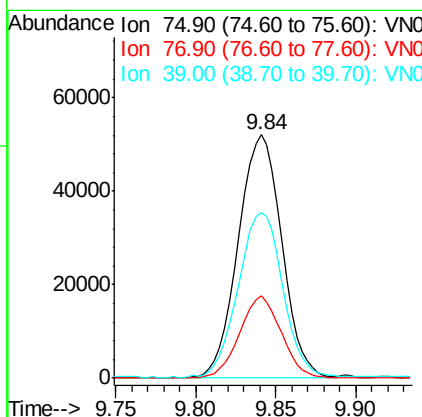
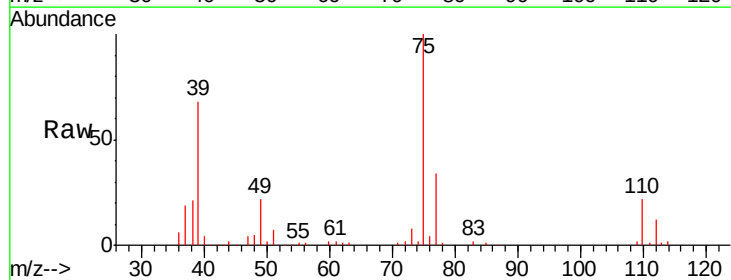
Manual Integrations
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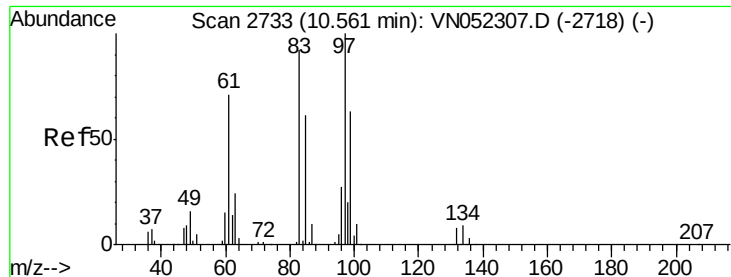
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 20.32 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion: 75 Resp: 96987
 Ion Ratio Lower Upper
 75 100
 77 33.6 24.6 36.8
 39 67.2 49.9 74.9





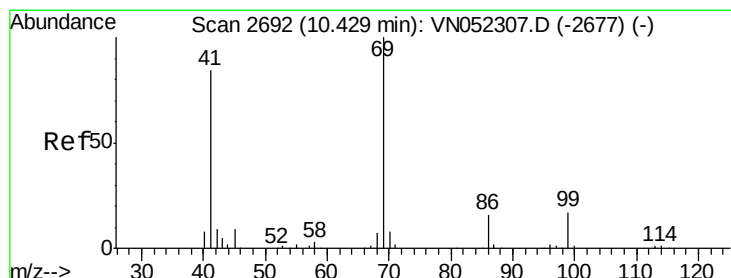
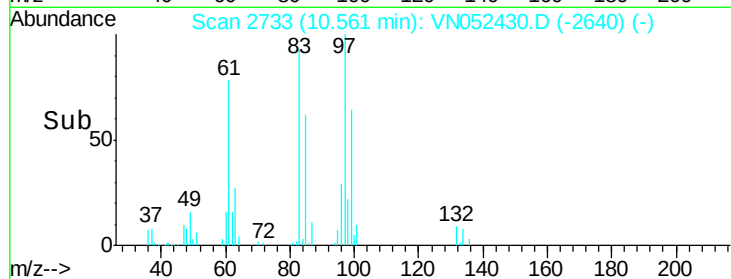
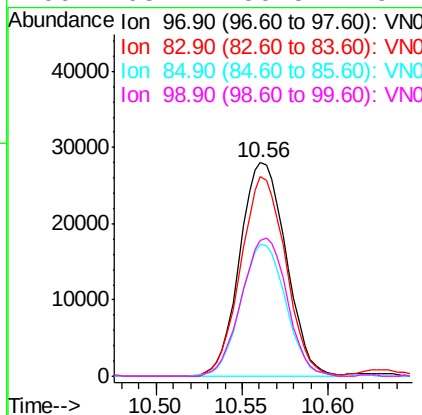
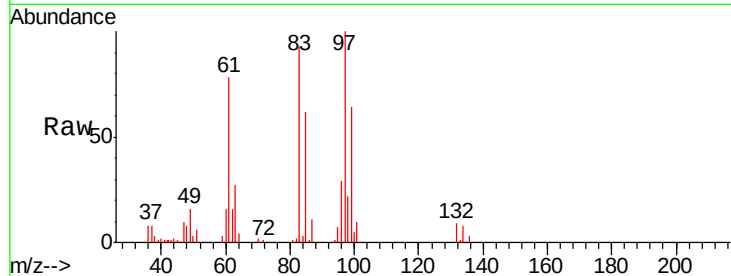
#55
 1,1,2-Trichloroethane
 Concen: 19.59 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.3	73.8	110.6
85	61.9	49.0	73.4
99	63.7	50.5	75.7

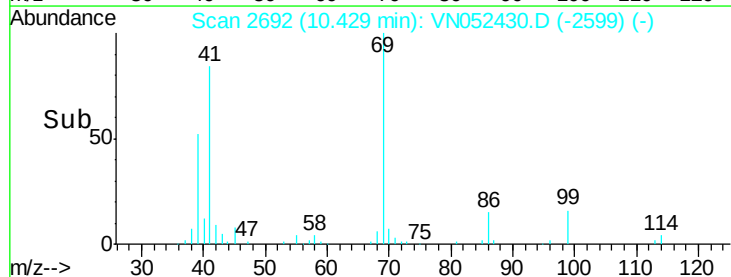
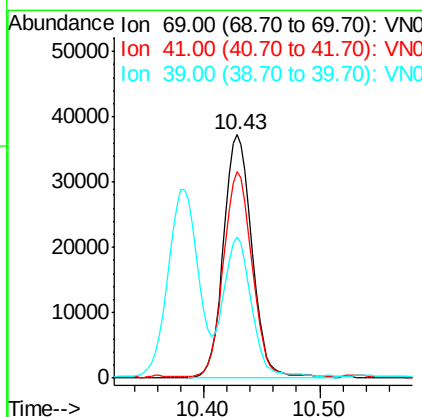
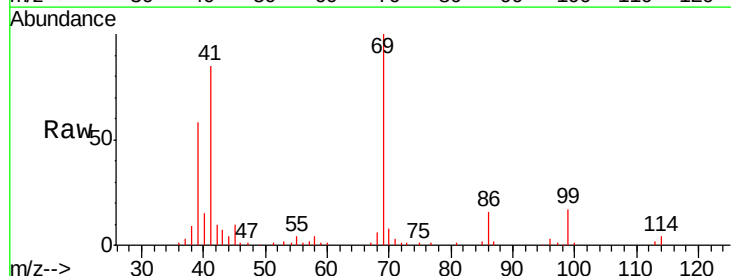
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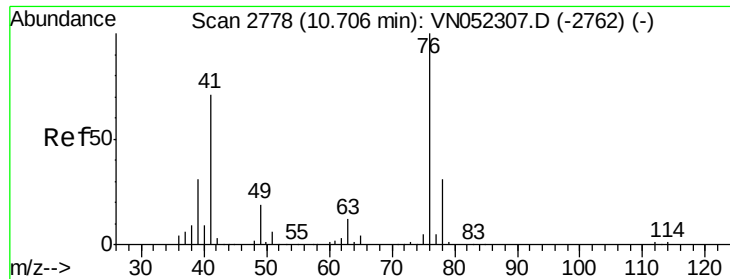
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 11/26/2018 4:56:35 PM



#56
 Ethyl methacrylate
 Concen: 17.95 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion	Ratio	Lower	Upper
69	100		
41	84.2	64.8	97.2
39	56.1	41.0	61.6





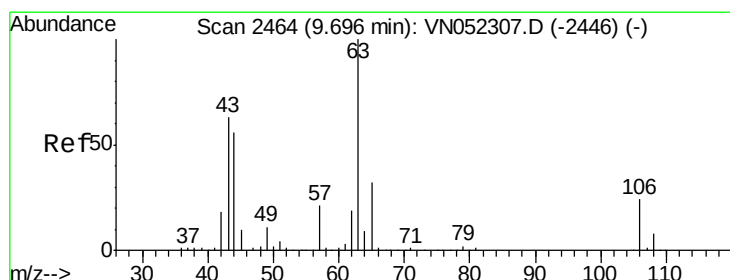
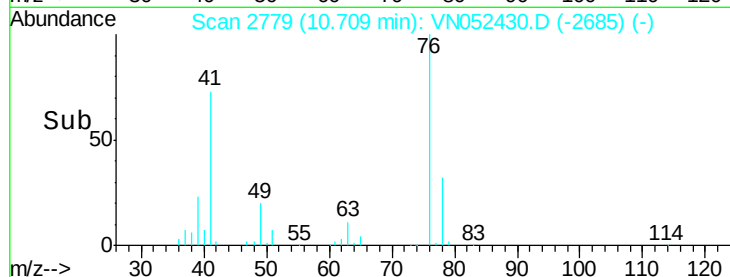
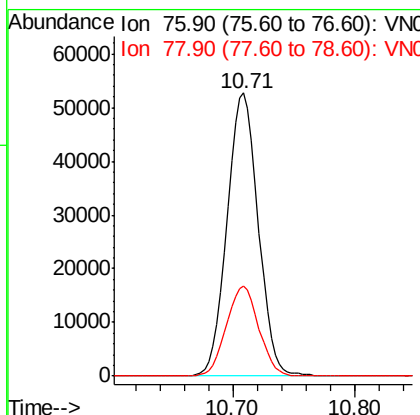
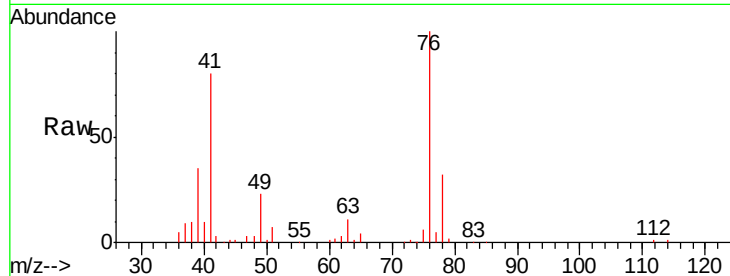
#57
 1,3-Dichloropropane
 Concen: 19.89 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01

Tgt Ion: 76 Resp: 94095
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.7 38.5

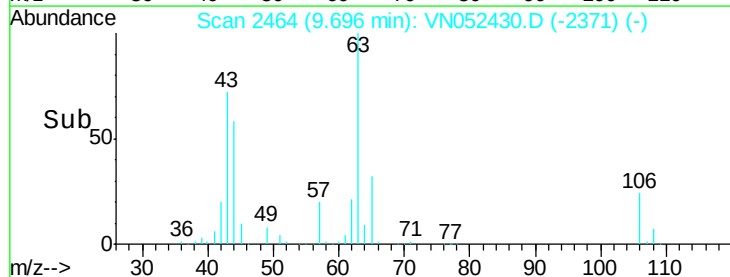
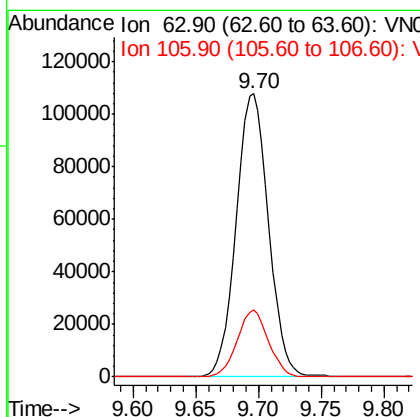
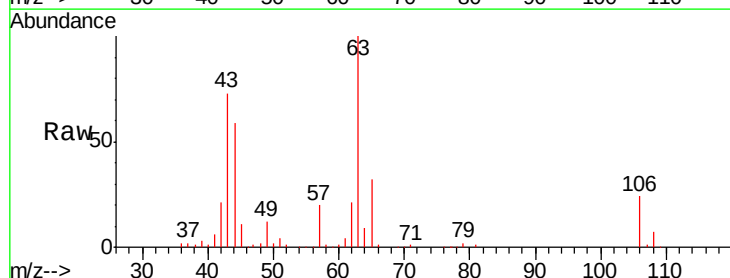
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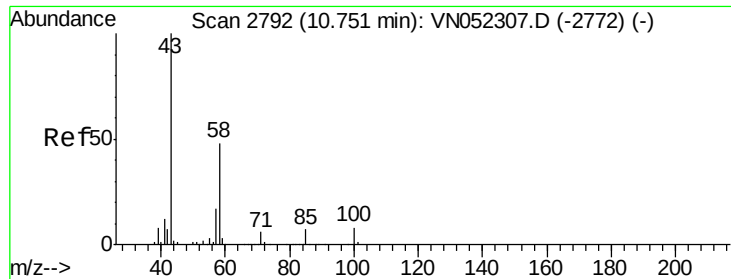
MMDadoda
 11/26/2018 4:56:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.62 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion: 63 Resp: 193232
 Ion Ratio Lower Upper
 63 100
 106 22.8 19.3 28.9





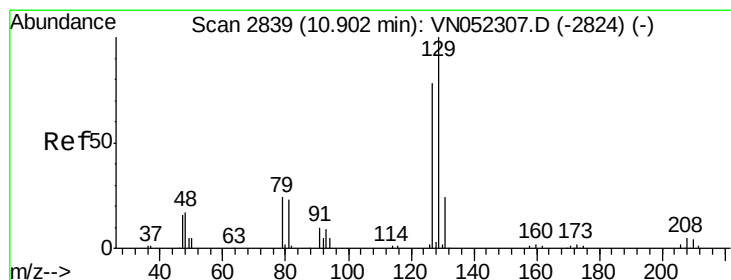
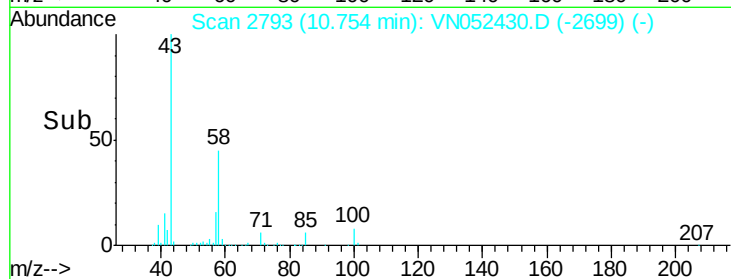
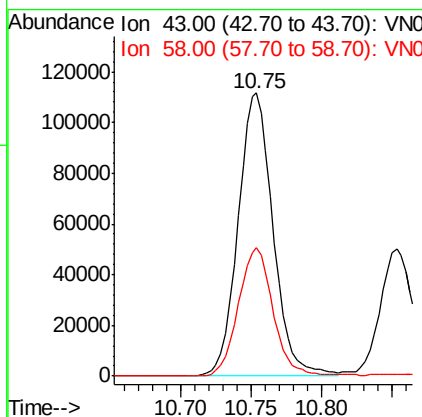
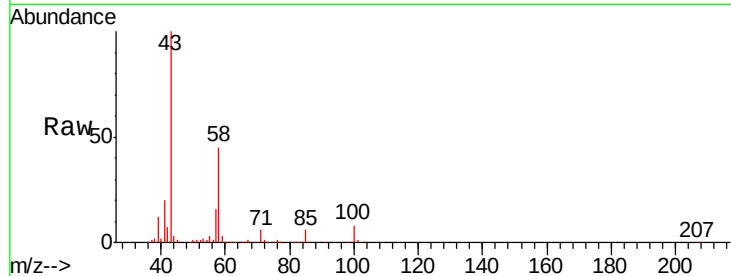
#59
2-Hexanone
Concen: 92.14 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

Tgt Ion: 43 Resp: 192628
Ion Ratio Lower Upper
43 100
58 45.6 23.5 70.6

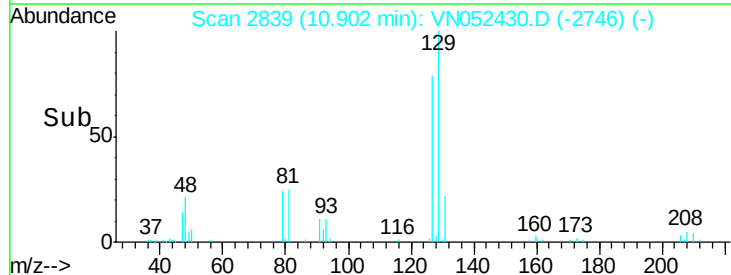
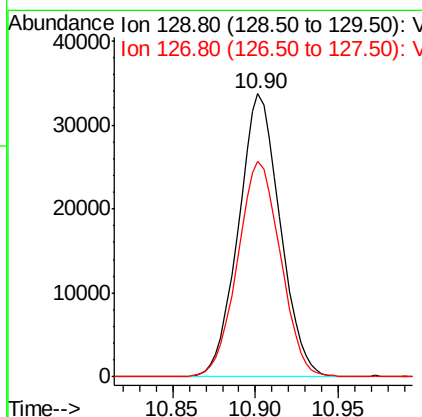
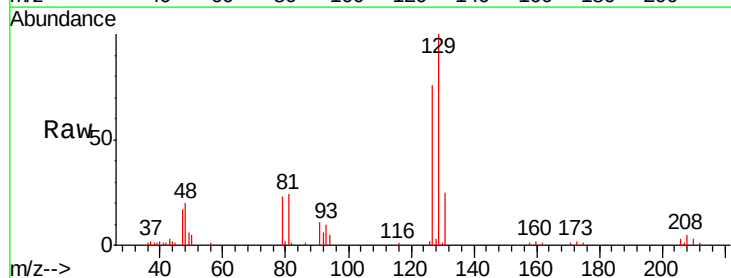
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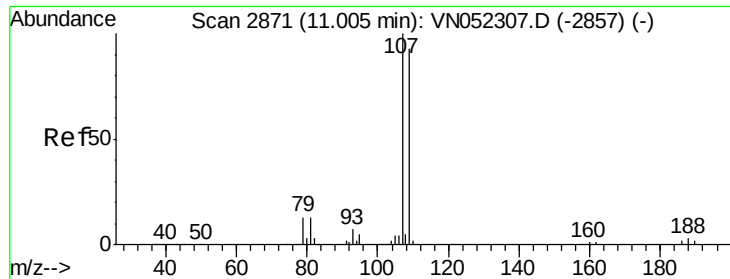
MMDadoda
11/26/2018 4:56:35 PM



#60
Dibromochloromethane
Concen: 20.33 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion: 129 Resp: 58759
Ion Ratio Lower Upper
129 100
127 78.4 38.5 115.5





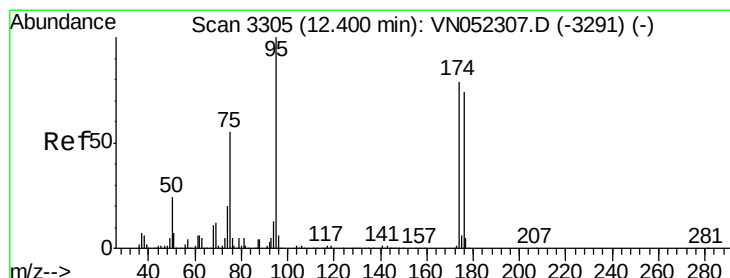
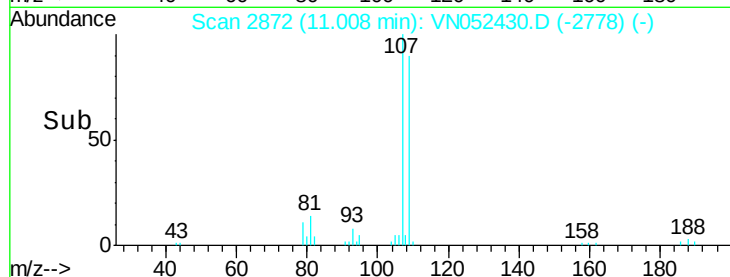
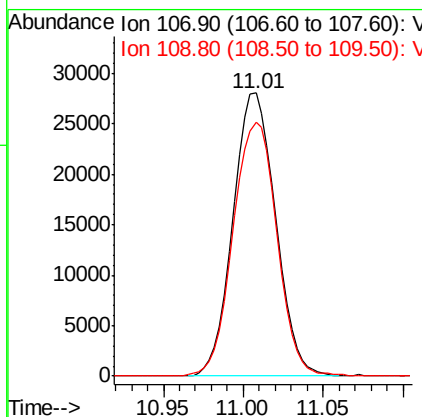
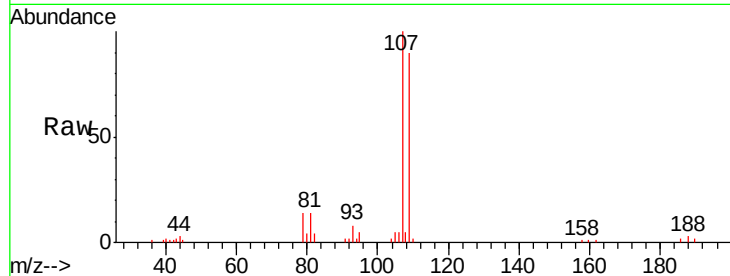
#61
 1,2-Dibromoethane
 Concen: 19.13 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01

Tgt Ion: 107 Resp: 50903
 Ion Ratio Lower Upper
 107 100
 109 92.4 74.9 112.3

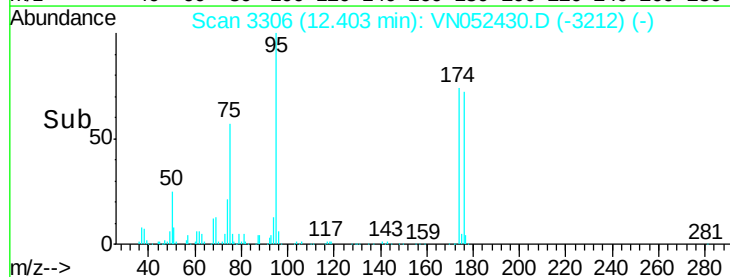
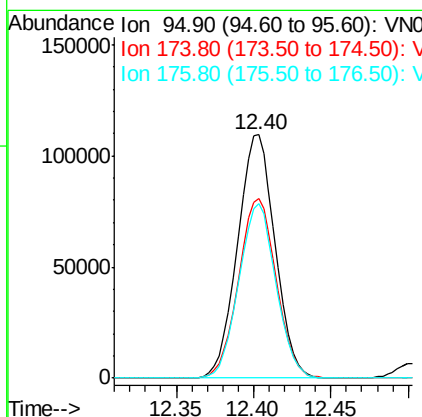
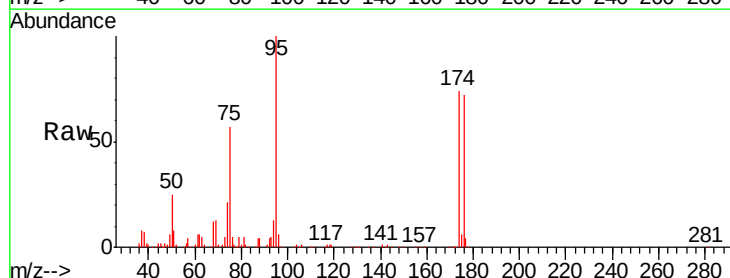
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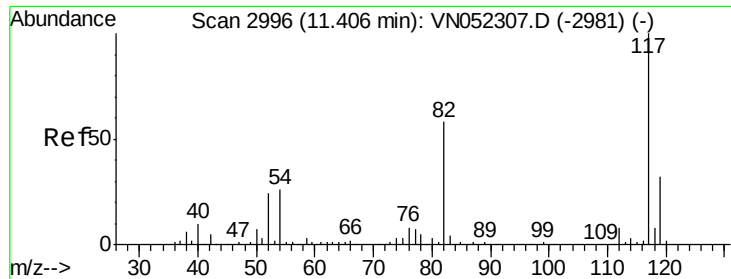
MMDadoda
 11/26/2018 4:56:35 PM



#62
 4-Bromofluorobenzene
 Concen: 19.13 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion: 95 Resp: 184652
 Ion Ratio Lower Upper
 95 100
 174 74.2 0.0 156.0
 176 70.7 0.0 148.4





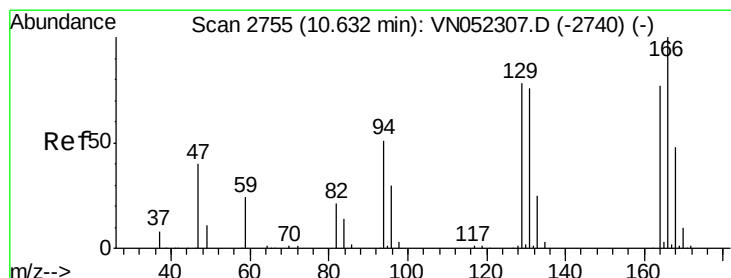
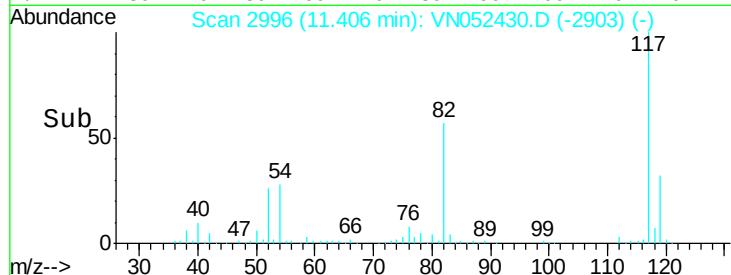
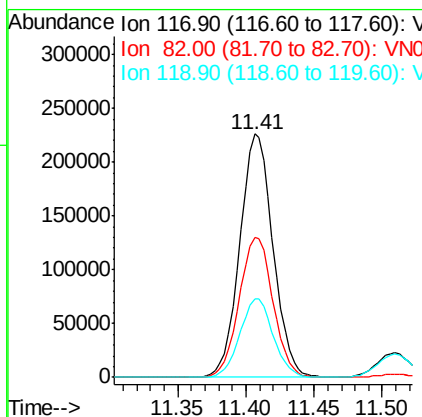
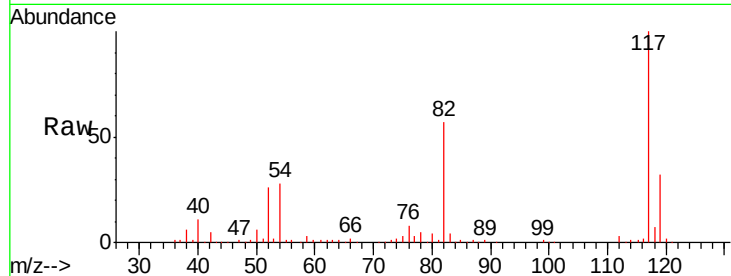
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.5	69.7
119	32.0	25.7	38.5

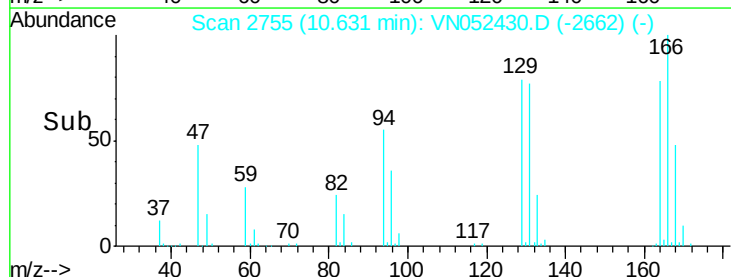
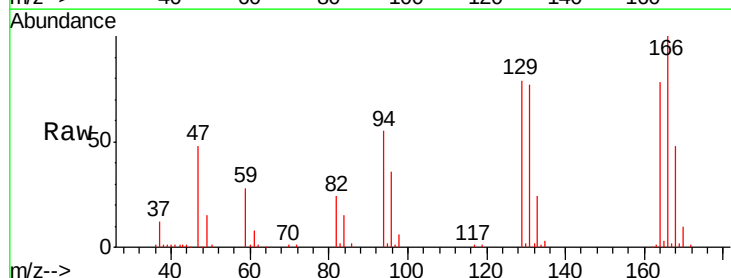
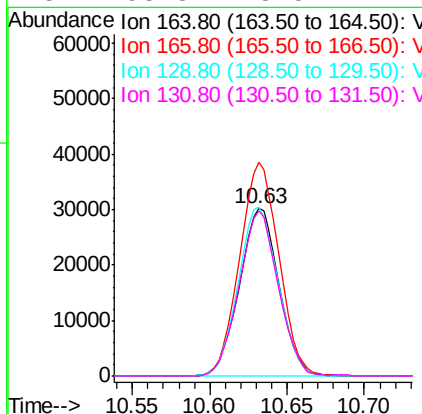
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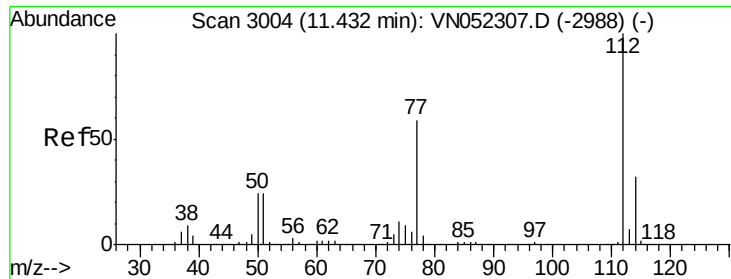
MMDadoda
11/26/2018 4:56:35 PM



#64
Tetrachloroethene
Concen: 19.80 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	103.8	155.6
129	100.9	80.7	121.1
131	98.3	78.5	117.7





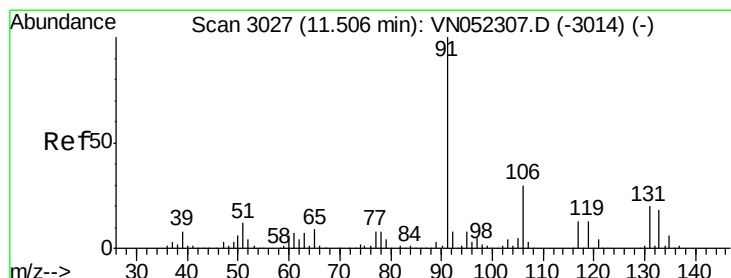
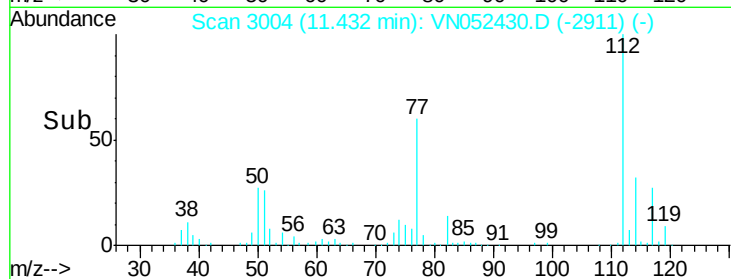
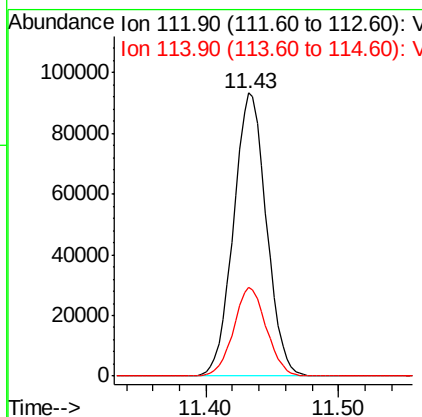
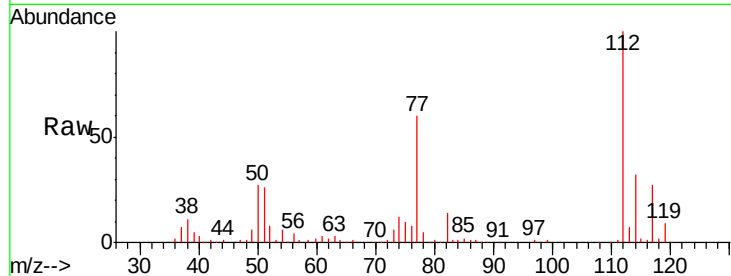
#65
Chlorobenzene
Concen: 19.90 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

Tgt Ion:112 Resp: 160595
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9

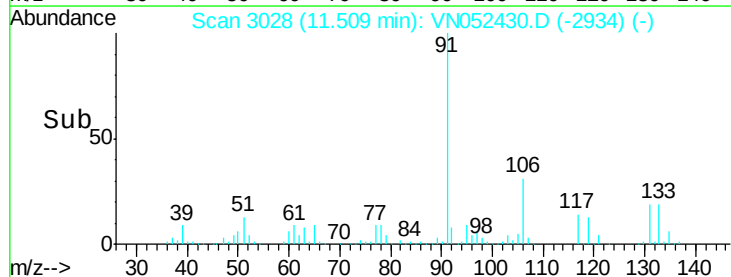
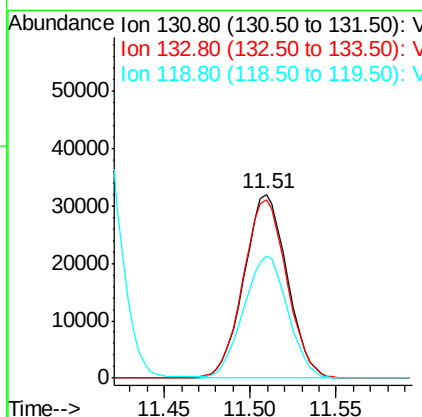
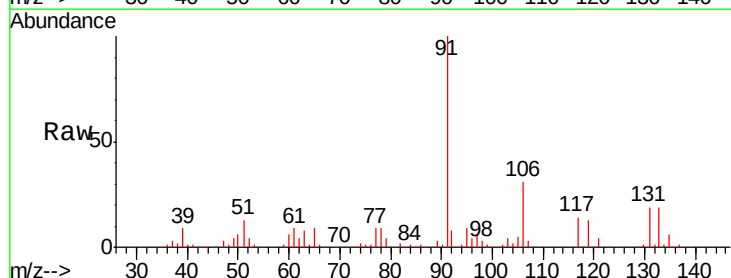
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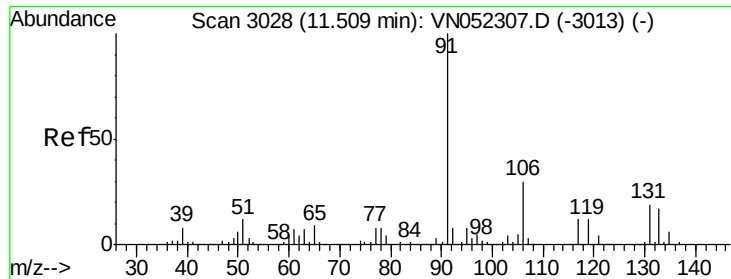
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.28 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion:131 Resp: 55824
Ion Ratio Lower Upper
131 100
133 98.3 47.4 142.3
119 67.9 33.3 99.9





#67

Ethyl Benzene

Concen: 20.26 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1121WBSD01

Tgt Ion: 91 Resp: 283764

Ion Ratio Lower Upper

91 100

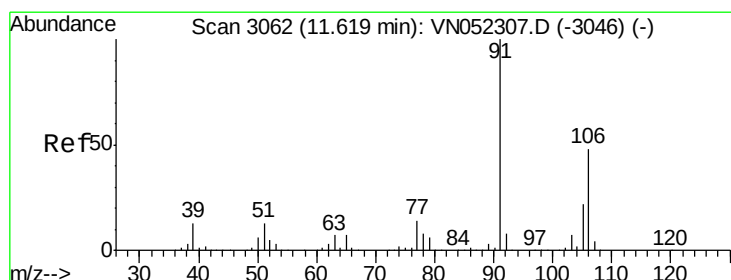
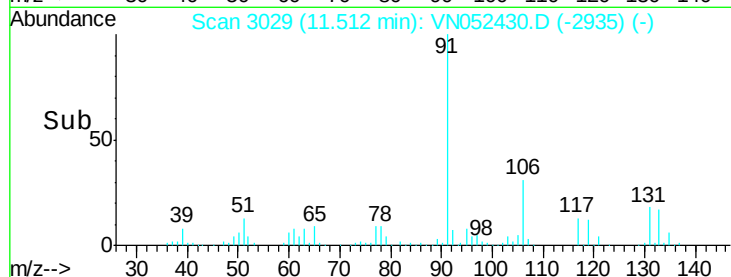
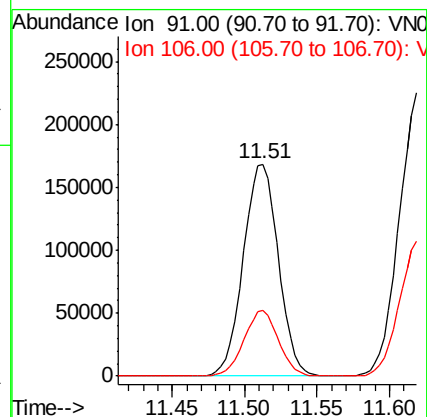
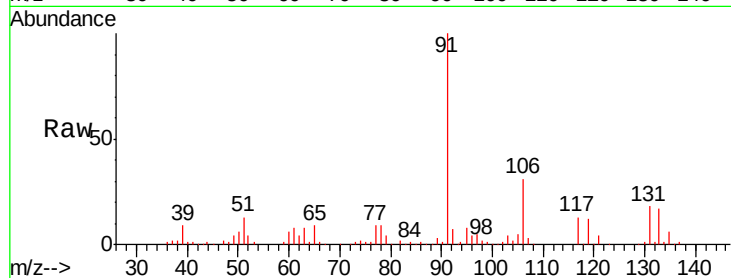
106 31.0 24.2 36.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.95 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052430.D

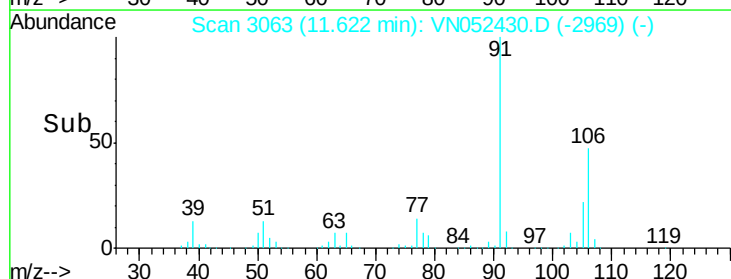
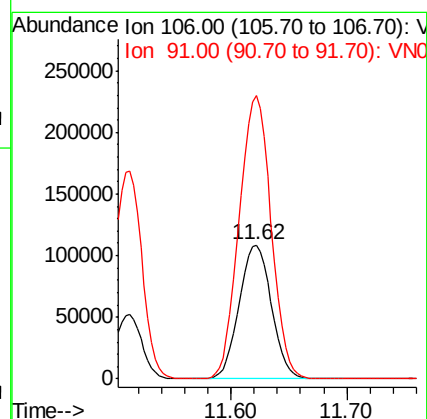
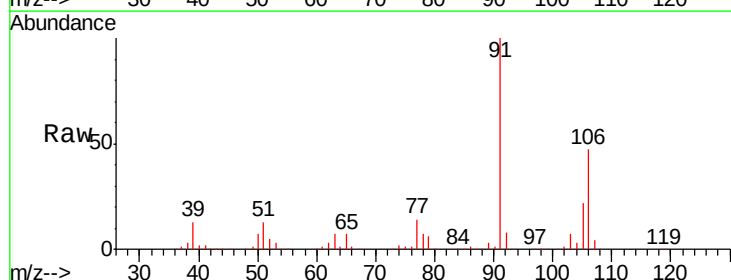
Acq: 21 Nov 2018 11:37

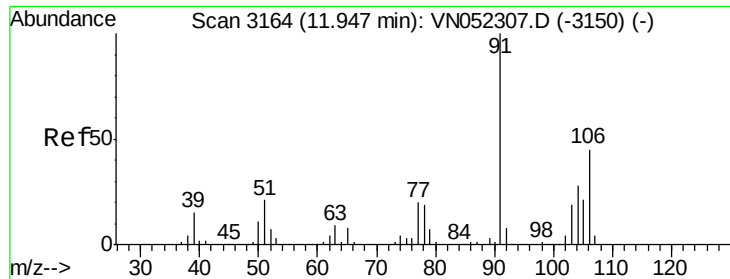
Tgt Ion: 106 Resp: 209599

Ion Ratio Lower Upper

106 100

91 208.6 165.5 248.3





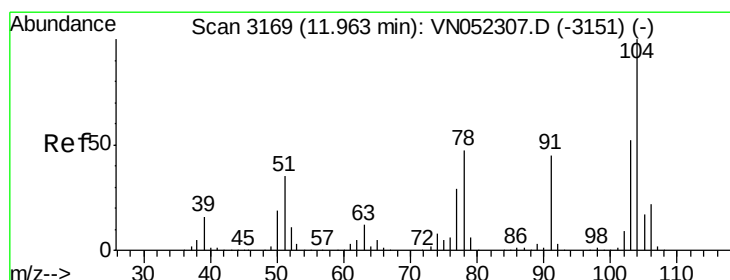
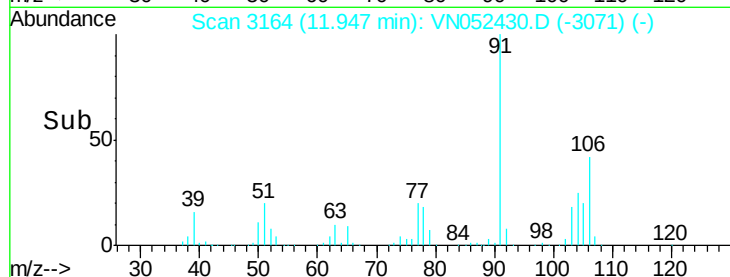
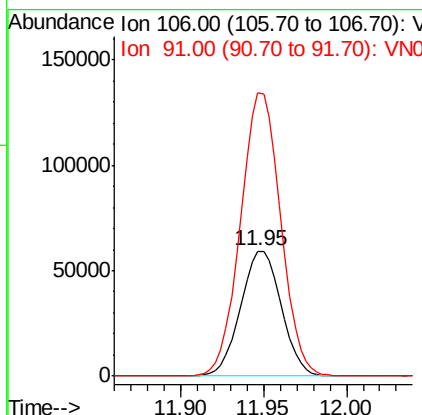
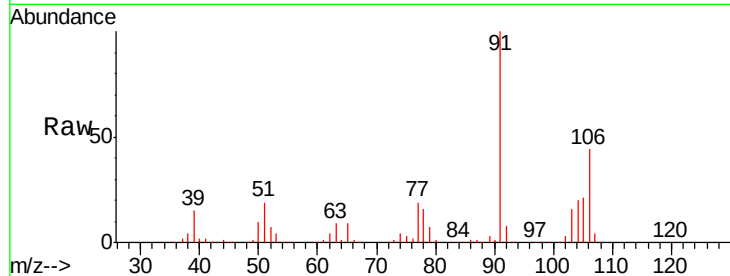
#69
o-Xylene
Concen: 20.67 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

Tgt Ion:106 Resp: 101407
Ion Ratio Lower Upper
106 100
91 223.3 110.0 330.0

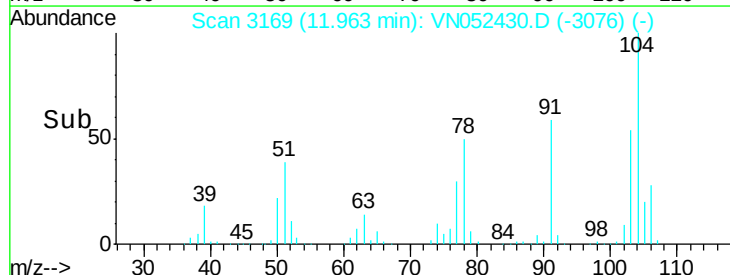
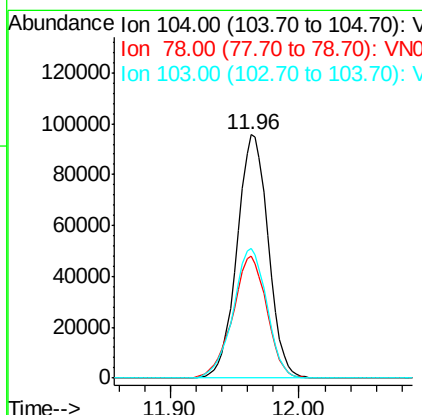
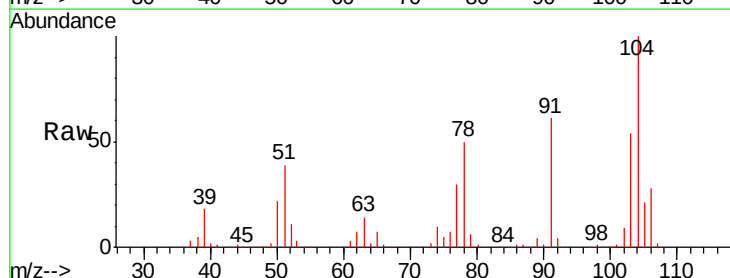
Manual Integrations
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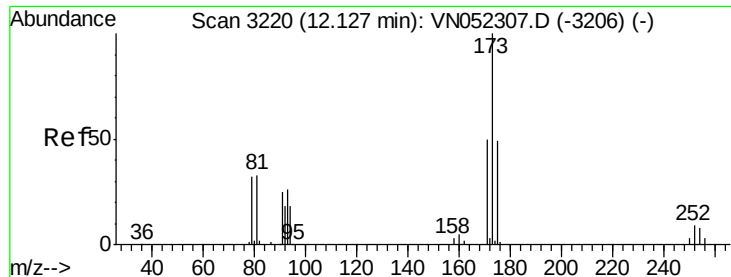
MMDadoda
11/26/2018 4:56:35 PM



#70
Styrene
Concen: 20.56 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion:104 Resp: 161511
Ion Ratio Lower Upper
104 100
78 54.8 42.7 64.1
103 57.4 45.4 68.0





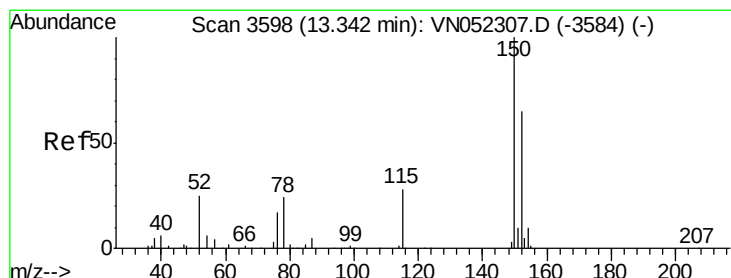
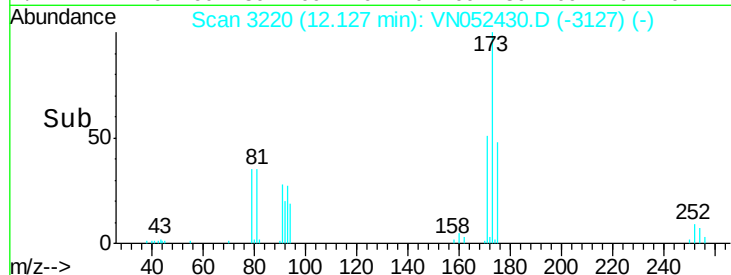
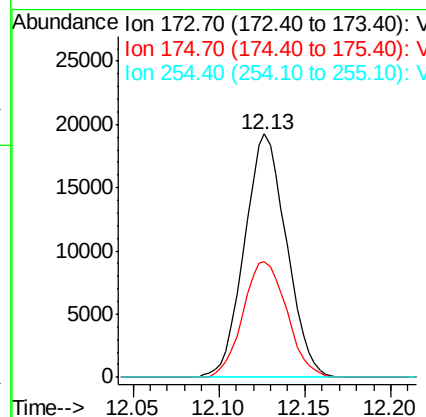
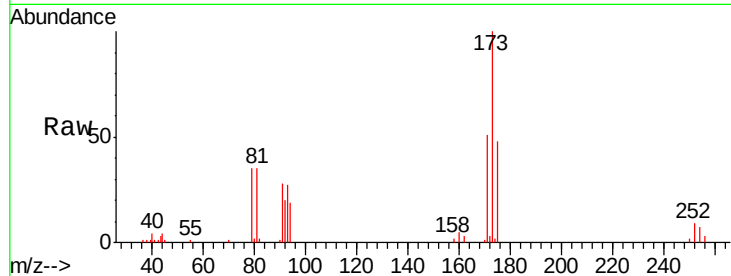
#71
Bromoform
Concen: 20.11 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	25.0	75.0
254	0.0	0.0	0.0

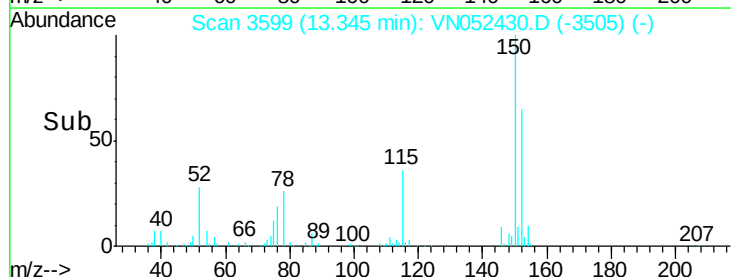
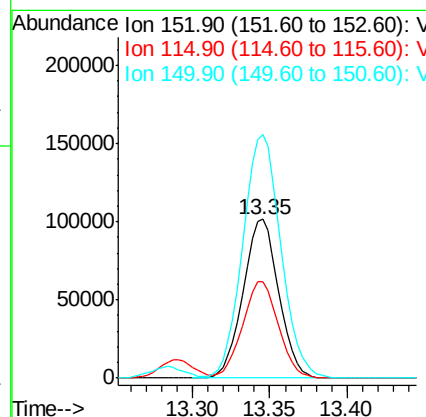
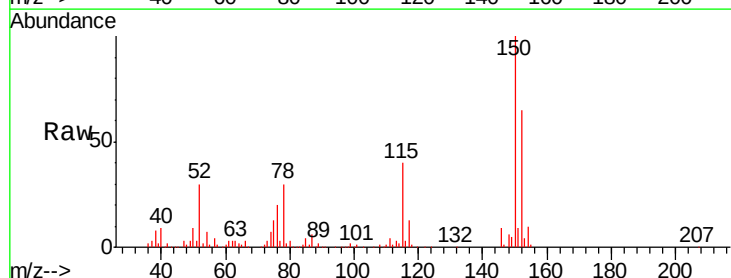
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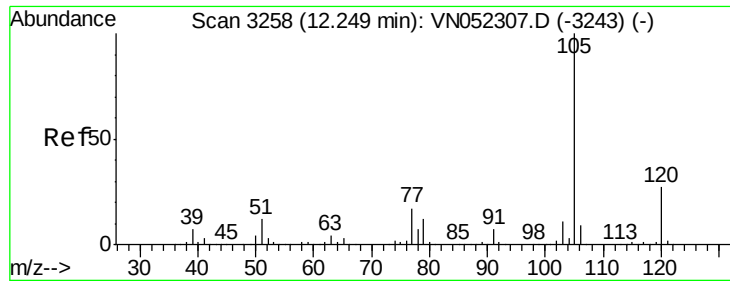
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.3	91.0
150	164.6	0.0	348.2





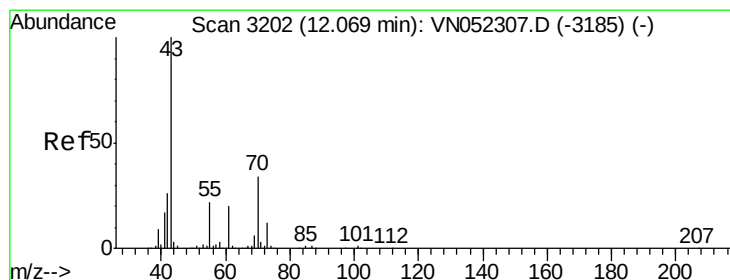
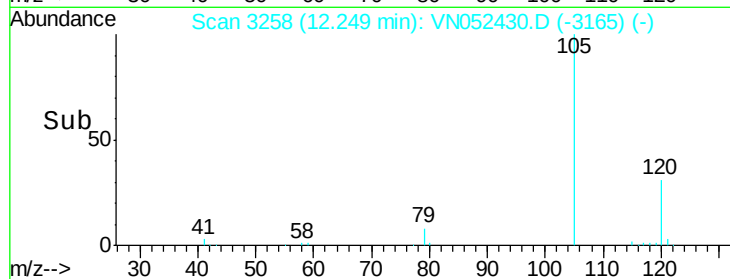
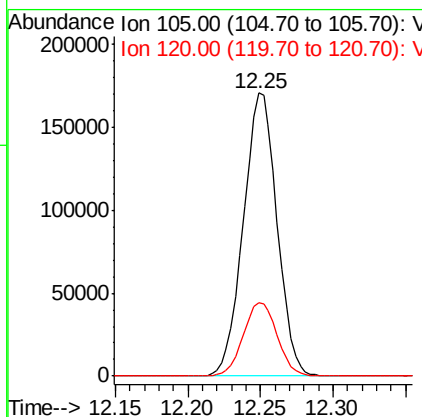
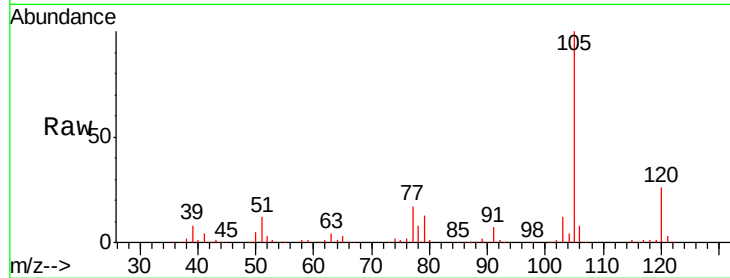
#73
Isopropylbenzene
Concen: 21.16 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

Tgt Ion: 105 Resp: 275954
Ion Ratio Lower Upper
105 100
120 26.1 13.4 40.1

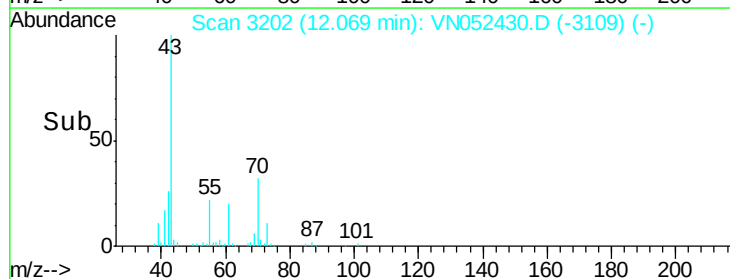
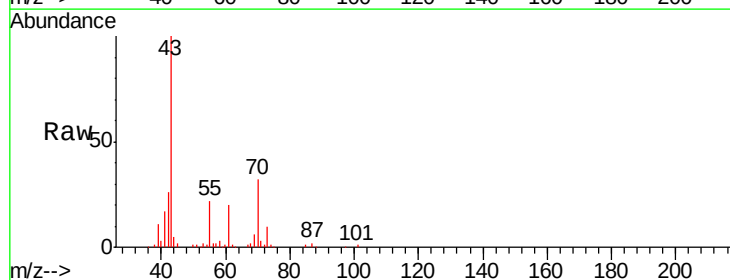
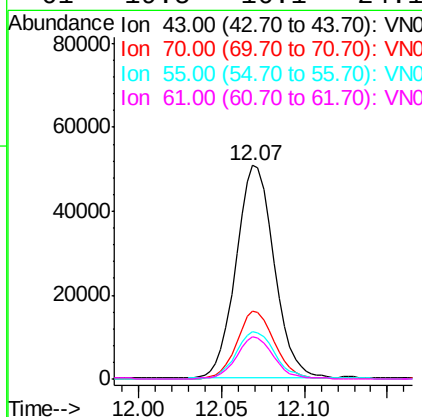
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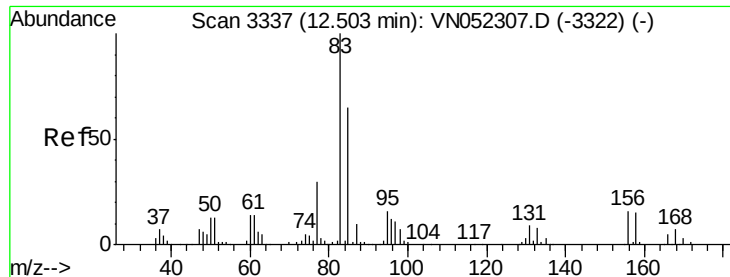
MMDadoda
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#74
N-ethyl acetate
Concen: 17.48 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion: 43 Resp: 81176
Ion Ratio Lower Upper
43 100
70 31.6 27.1 40.7
55 23.0 17.4 26.0
61 19.5 16.1 24.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.91 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

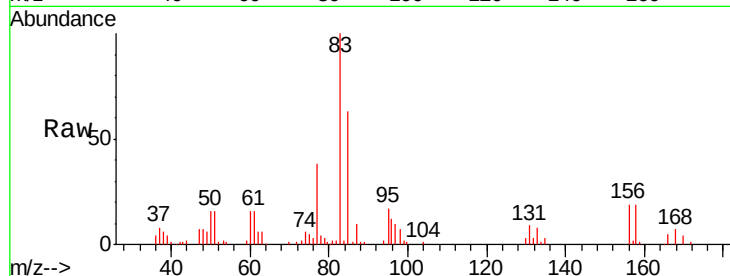
ClientSampleId :

VN1121WBSD01

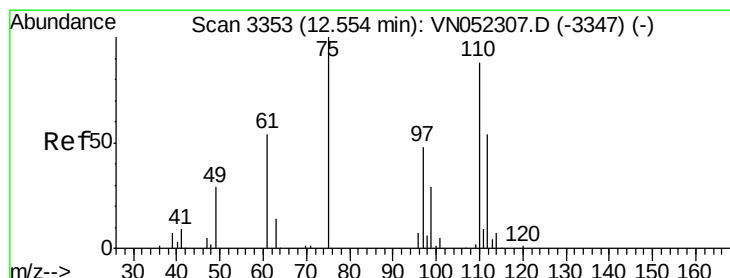
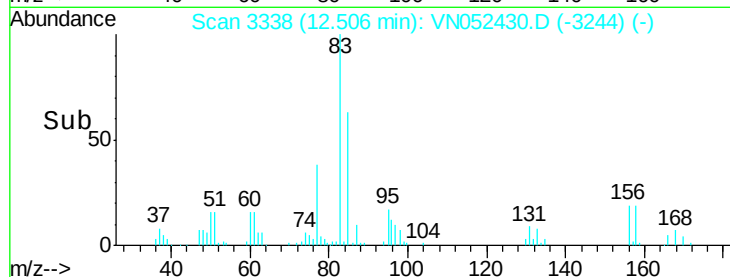
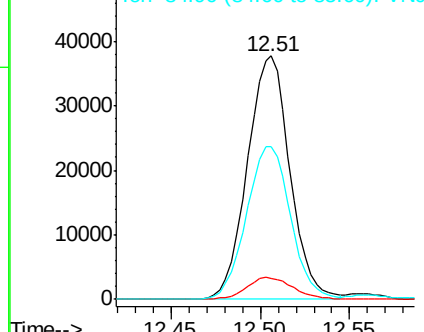
Tgt Ion:	83	Resp:	62744
Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.7	14.1
85	65.2	32.4	97.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN052430.D (-3338) (-)



#76

1,2,3-Trichloropropane

Concen: 19.80 ug/l m

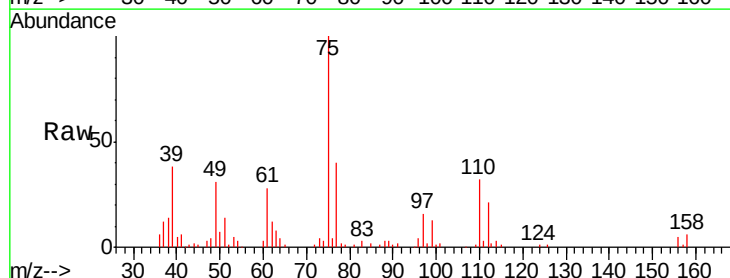
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

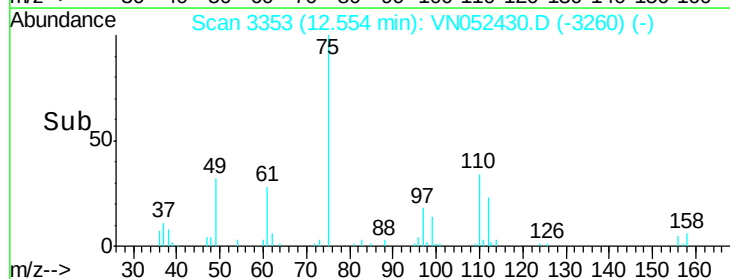
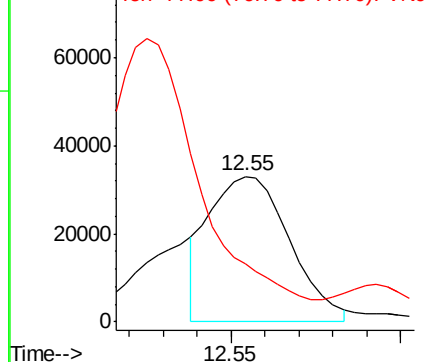
Lab File: VN052430.D

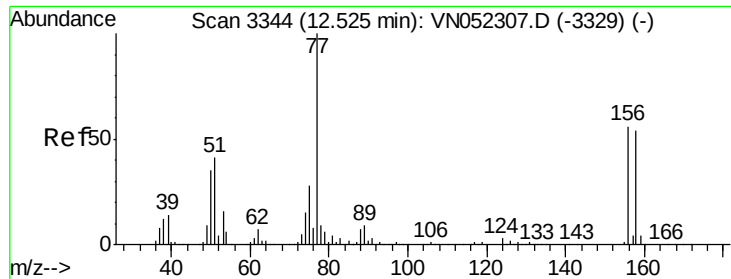
Acq: 21 Nov 2018 11:37

Tgt Ion:	75	Resp:	54499
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052430.D (-3353) (-)





#77

Bromobenzene

Concen: 19.95 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

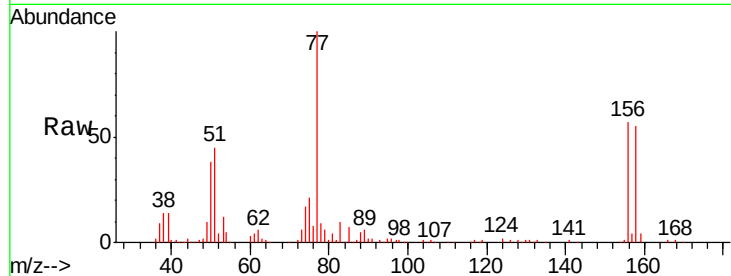
ClientSampleId :

VN1121WBSD01

Tgt Ion:	156	Resp:	60538
Ion Ratio	Lower	Upper	
156	100		
77	214.0	103.6	310.9
158	99.6	48.1	144.4

Manual Integrations
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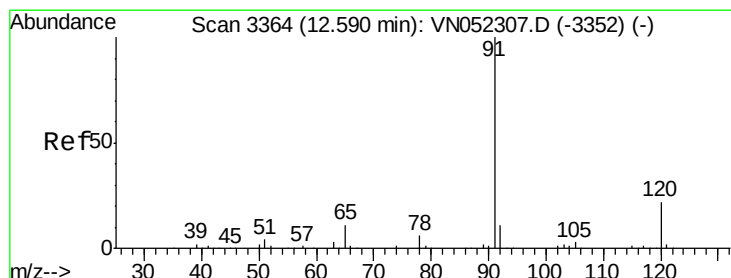
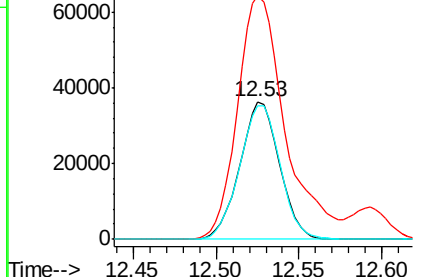
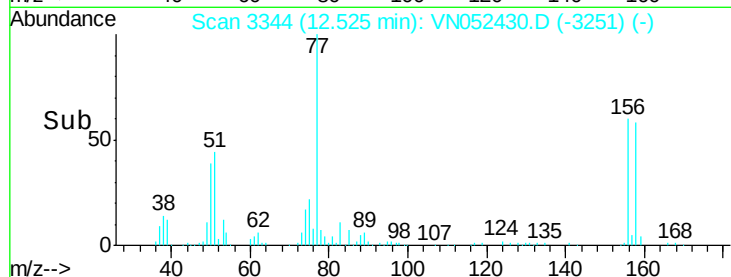
MMDadoda
11/26/2018 4:56:35 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.71 ug/l

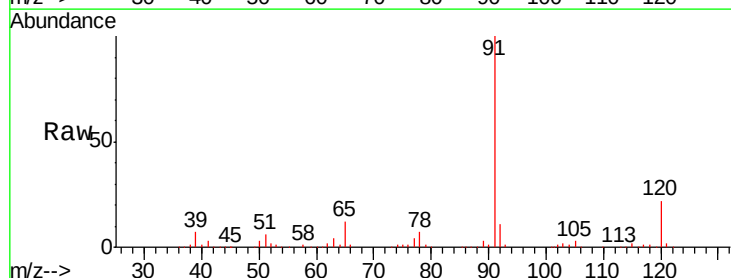
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052430.D

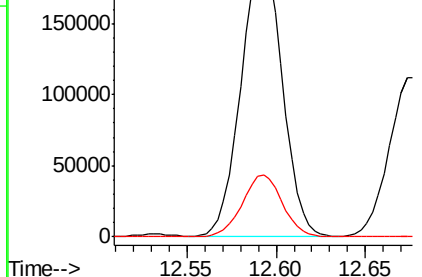
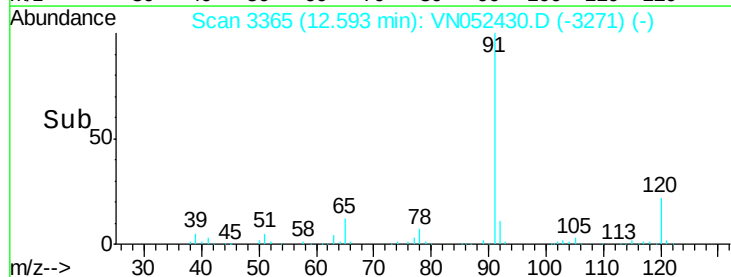
Acq: 21 Nov 2018 11:37

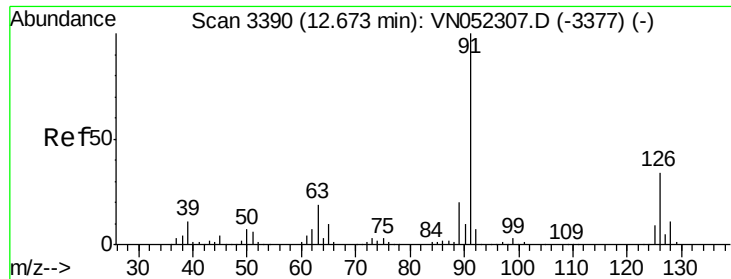
Tgt Ion:	91	Resp:	315835
Ion Ratio	Lower	Upper	
91	100		
120	21.6	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.02 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1121WBSD01

Tgt Ion: 91 Resp: 187275

Ion Ratio Lower Upper

91 100

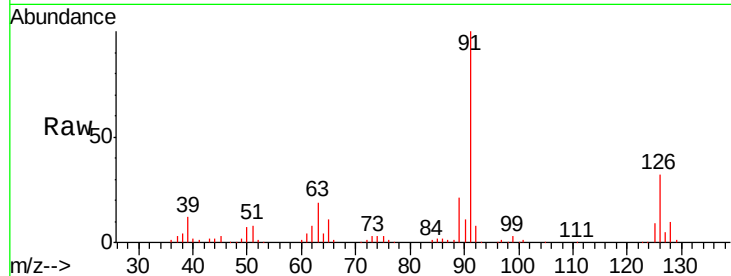
126 32.0 17.0 51.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN052307.D (-3377) (-)

200000

150000

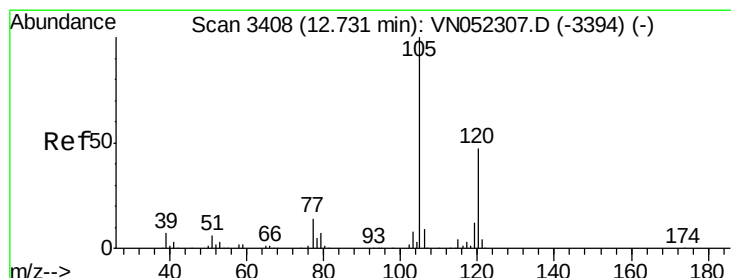
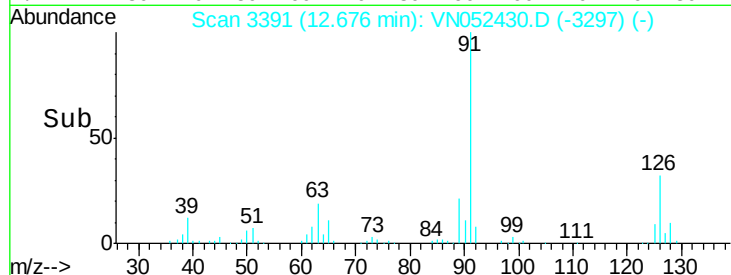
100000

50000

0

12.68

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.68 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052430.D

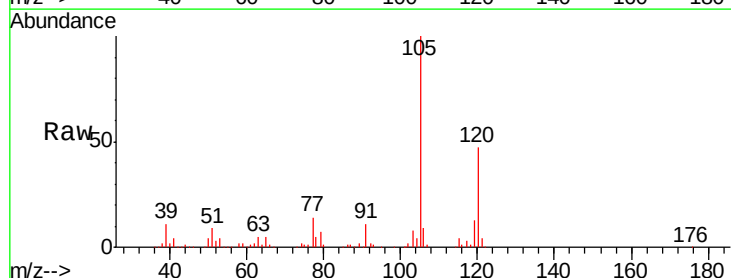
Acq: 21 Nov 2018 11:37

Tgt Ion: 105 Resp: 224781

Ion Ratio Lower Upper

105 100

120 47.3 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052307.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN052307.D (-3394) (-)

150000

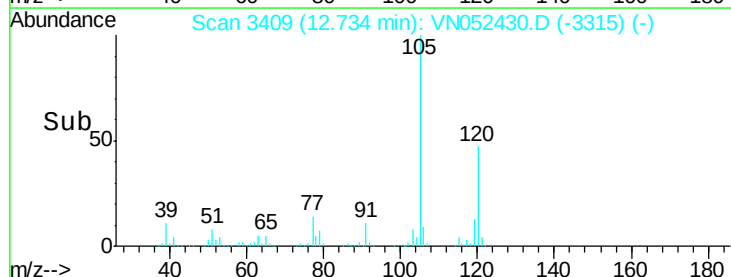
100000

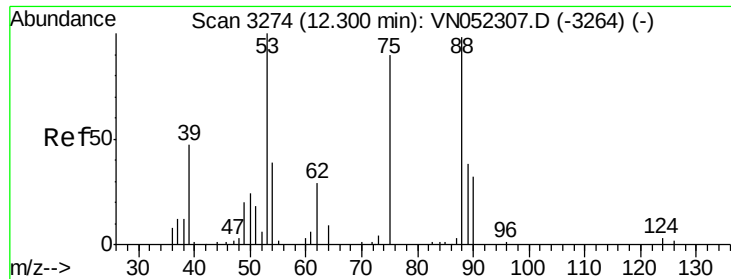
50000

0

12.73

Time-->





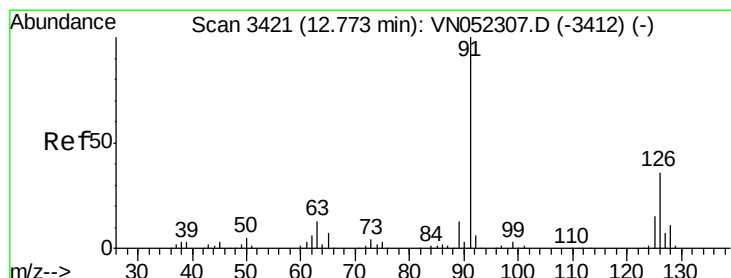
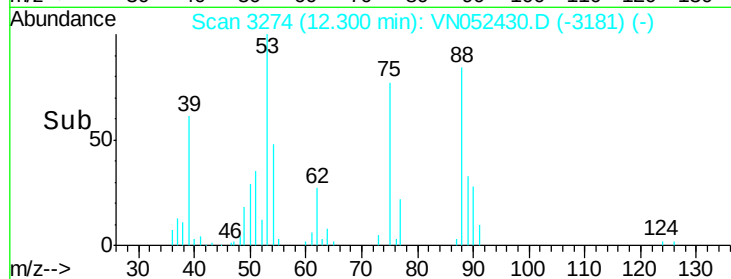
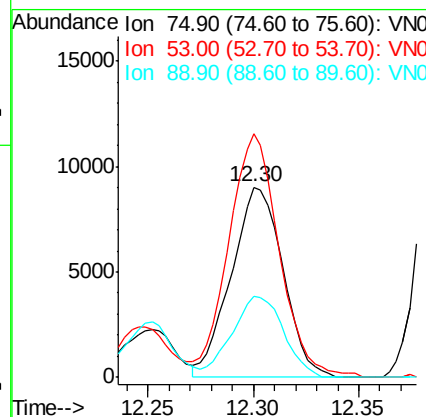
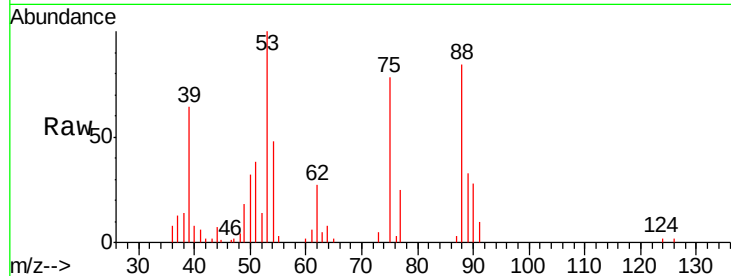
#81
trans-1,4-Dichloro-2-butene
Concen: 18.16 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	125.3	90.2	135.2
89	42.3	35.4	53.0

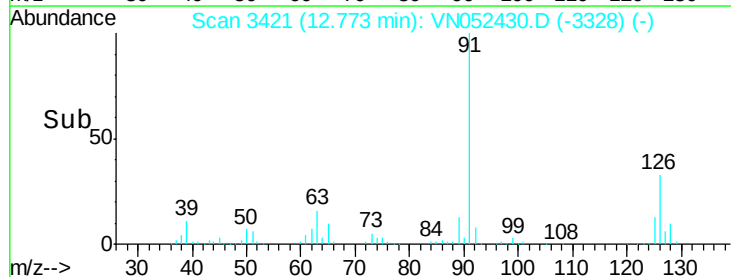
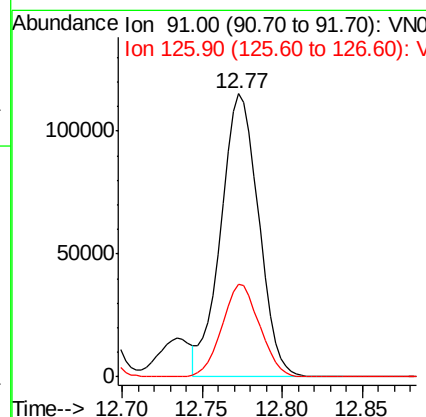
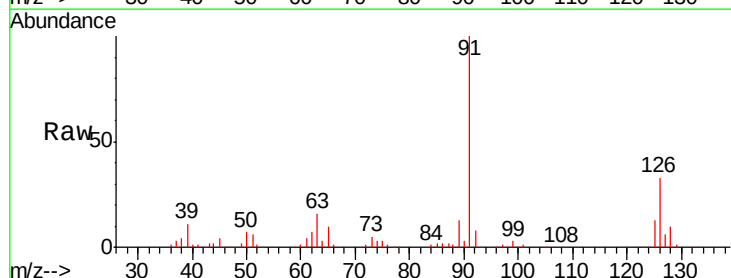
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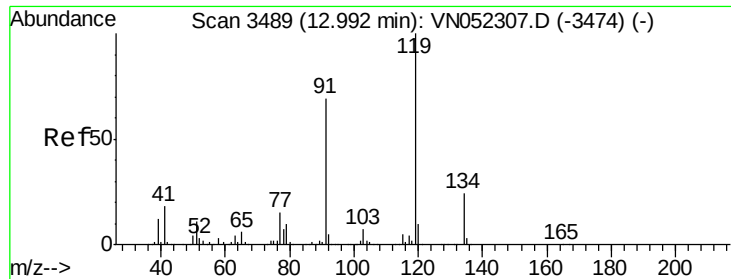
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.49 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	17.0	50.9





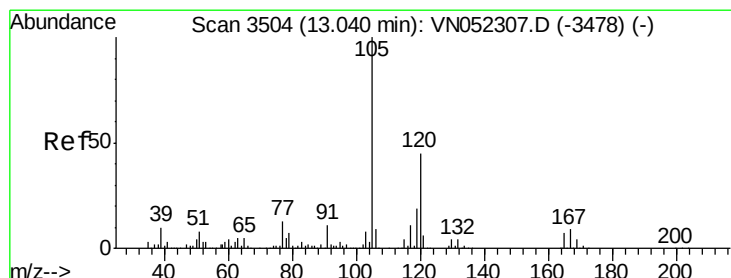
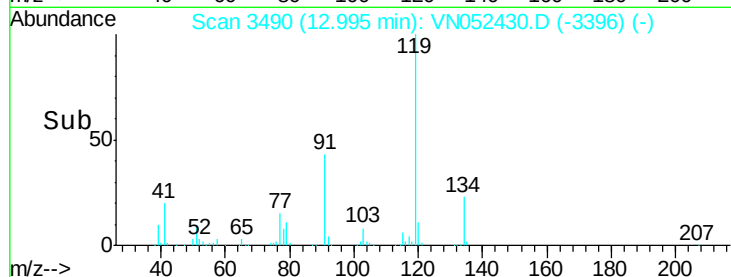
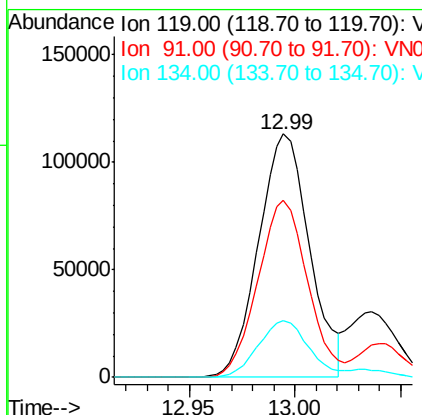
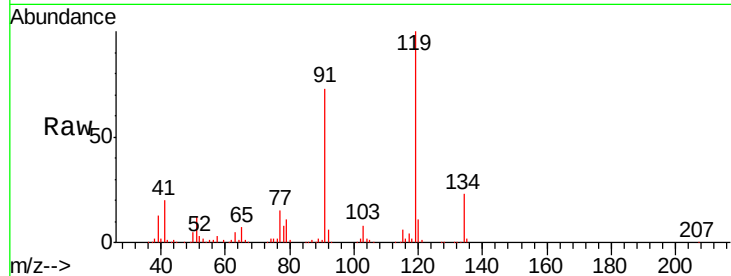
#83
 tert-Butylbenzene
 Concen: 20.81 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	190466		
91	71.3	33.8	101.3	
134	23.2	11.9	35.9	

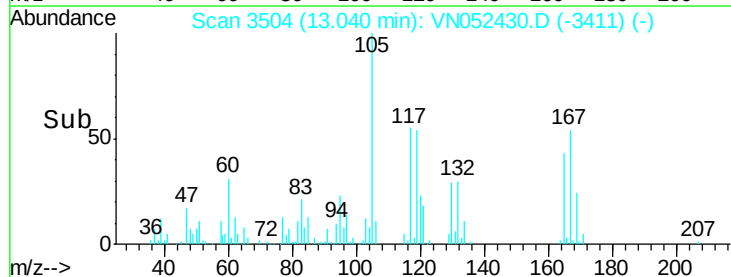
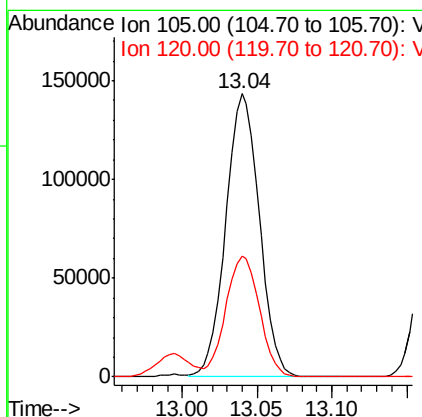
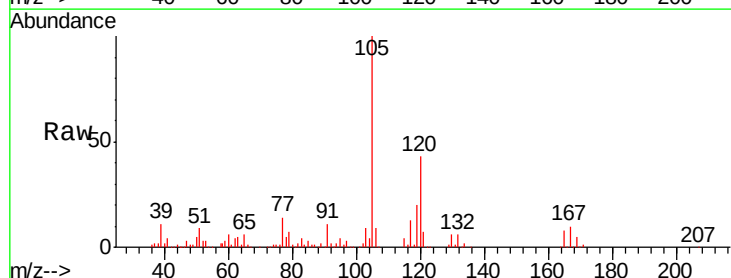
Manual Integrations
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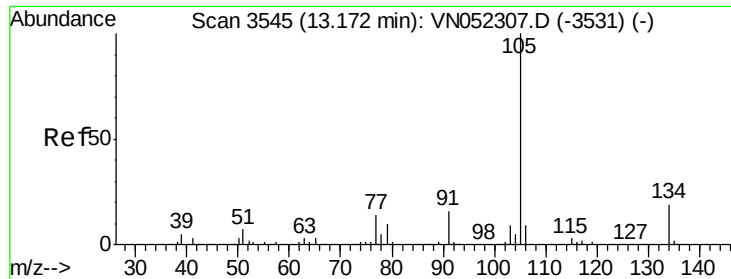
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.55 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	224341		
120	42.8	22.5	67.5	





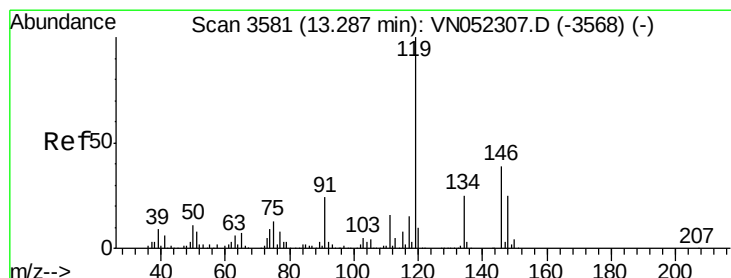
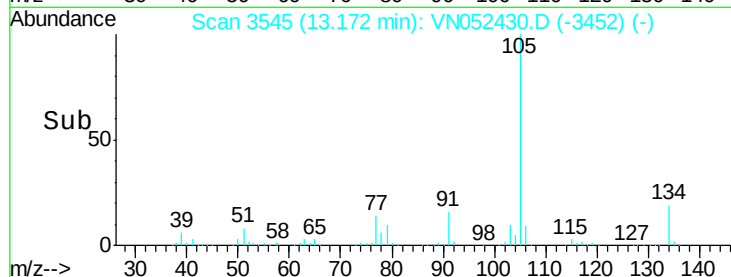
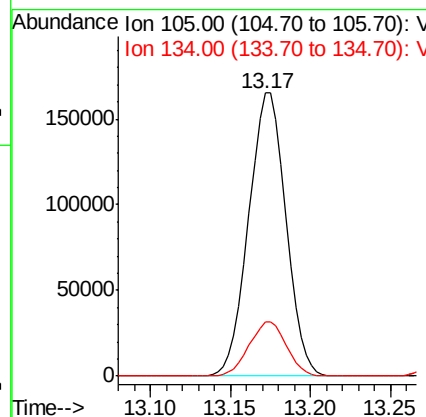
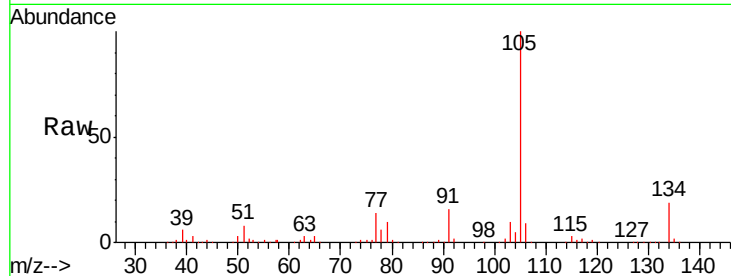
#85
 sec-Butylbenzene
 Concen: 21.16 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01

Tgt Ion:105 Resp: 263896
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.5 28.5

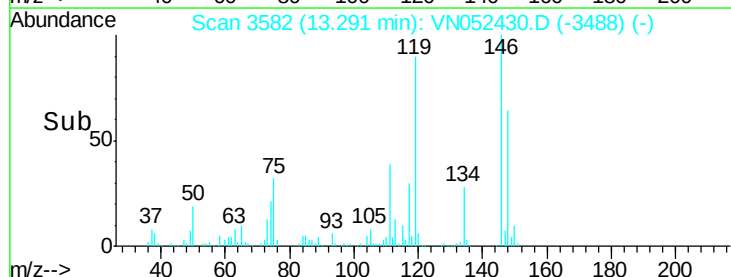
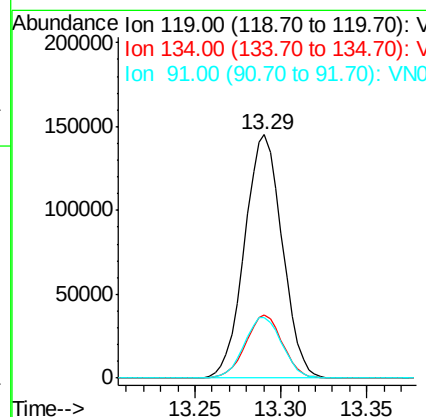
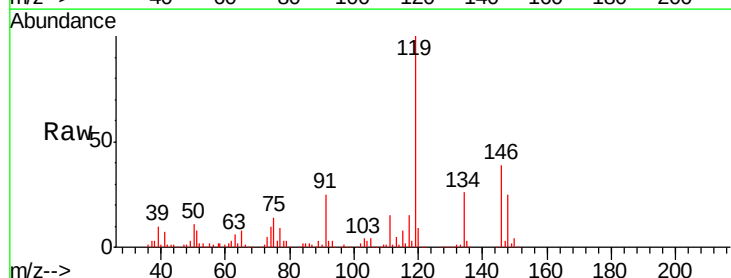
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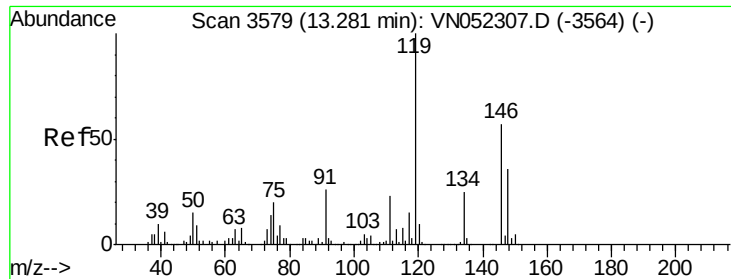
MMDadoda
 11/26/2018 4:56:35 PM



#86
 p-Isopropyltoluene
 Concen: 20.91 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion:119 Resp: 220851
 Ion Ratio Lower Upper
 119 100
 134 25.3 13.0 38.9
 91 25.3 12.4 37.0





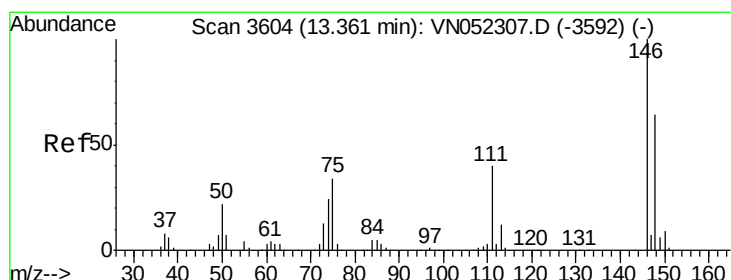
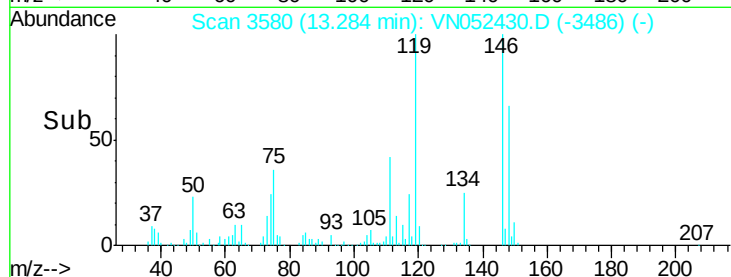
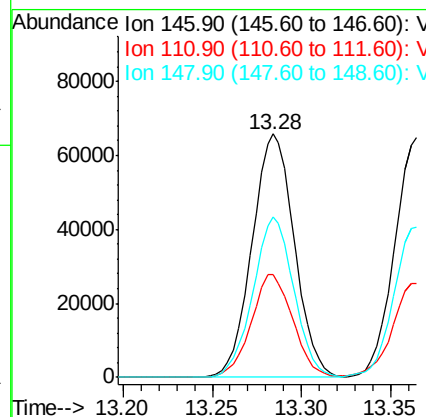
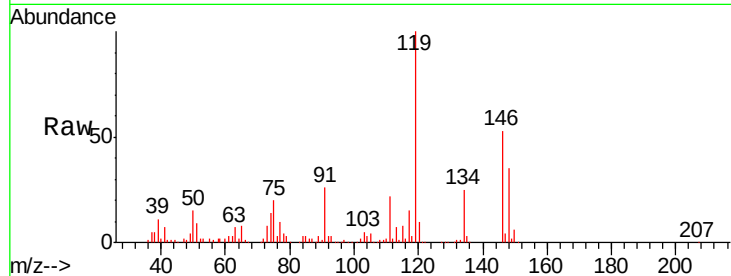
#87
 1,3-Dichlorobenzene
 Concen: 20.28 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.3	61.0
148	63.5	31.8	95.4

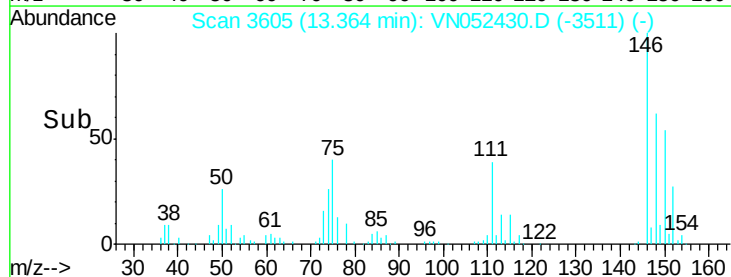
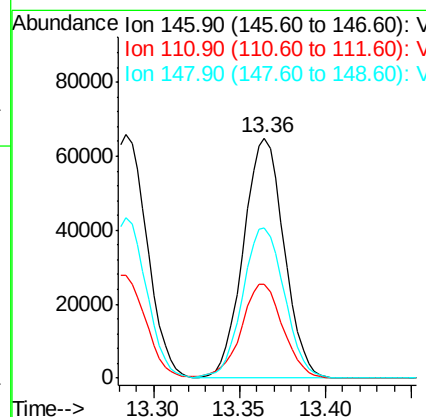
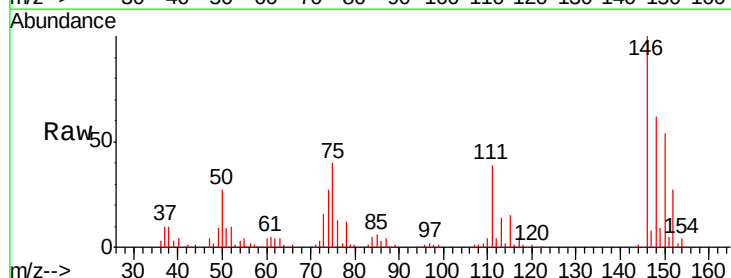
Manual Integrations
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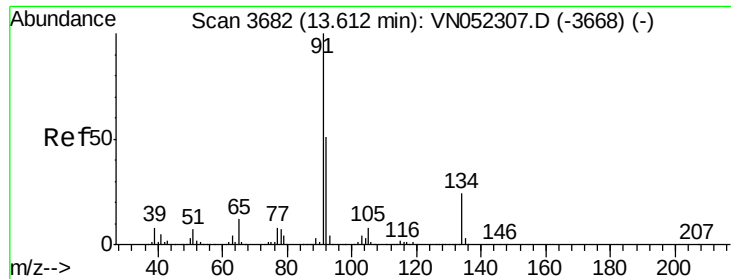
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#88
 1,4-Dichlorobenzene
 Concen: 19.85 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.6	61.8
148	64.3	32.4	97.2





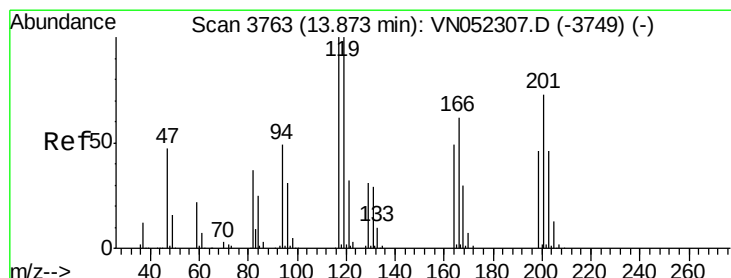
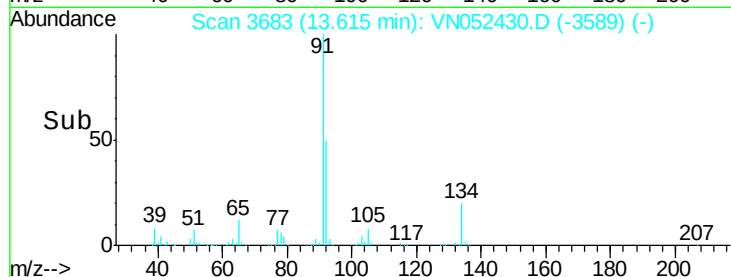
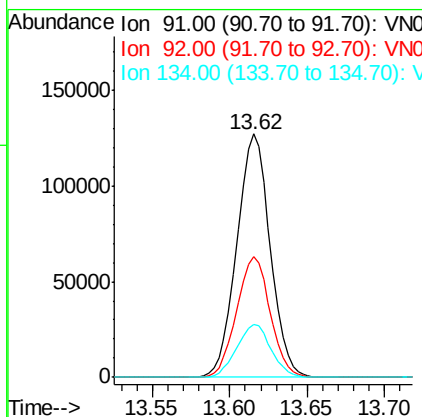
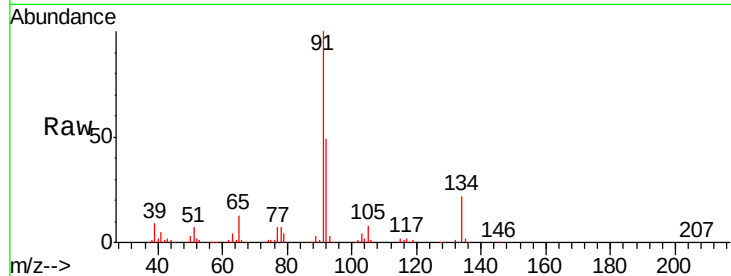
#89
n-Butylbenzene
Concen: 20.92 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.9	25.4	76.2
134	22.4	12.2	36.4

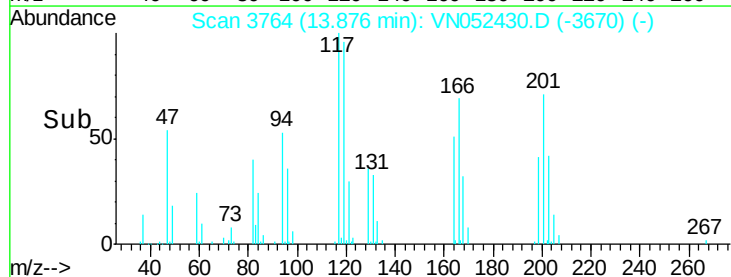
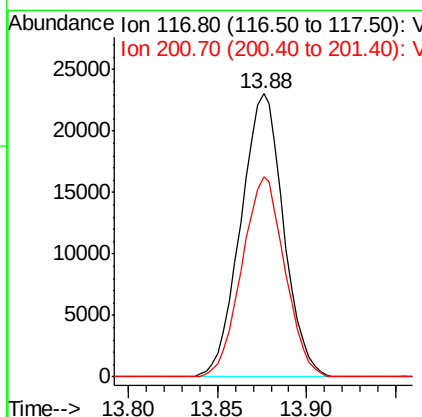
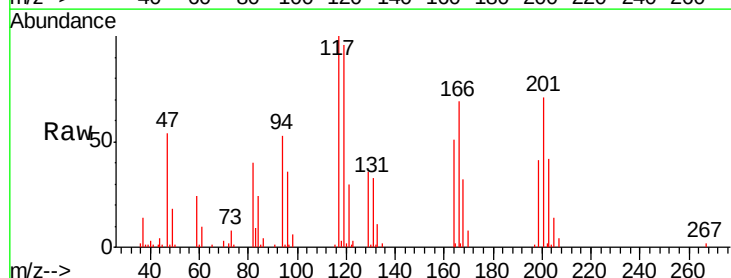
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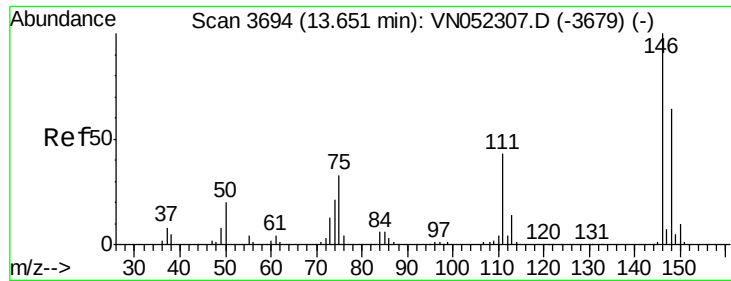
MMDadoda
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#90
Hexachloroethane
Concen: 20.67 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.6	35.3	105.9





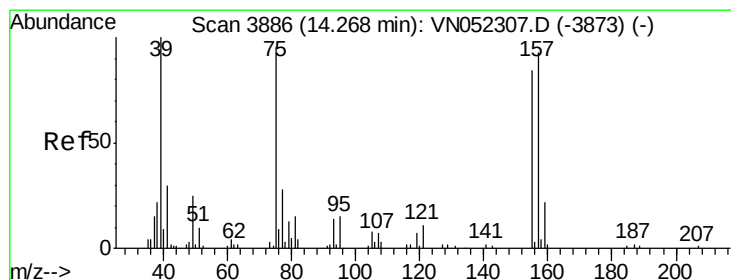
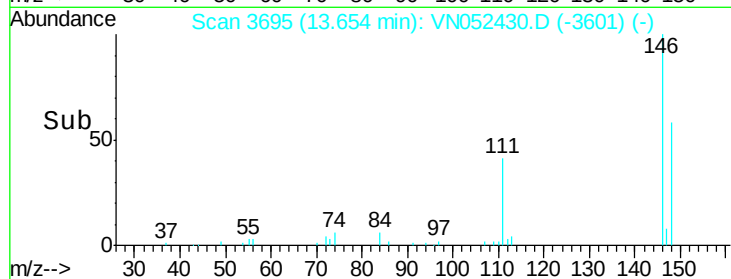
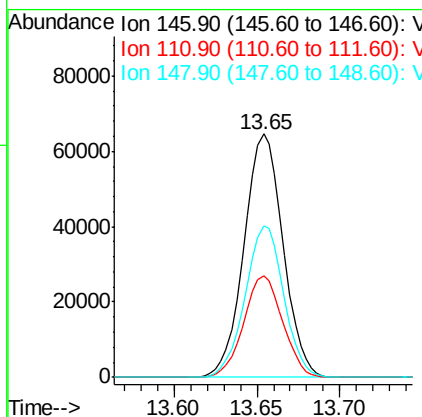
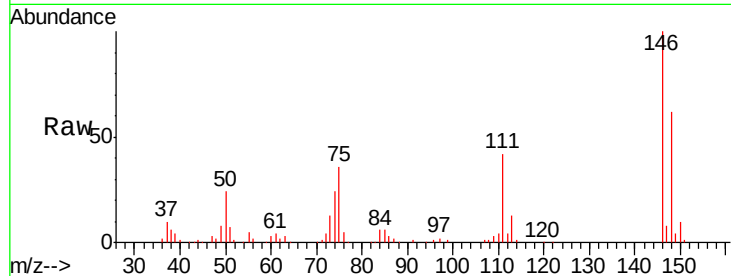
#91
 1,2-Dichlorobenzene
 Concen: 20.24 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	105670		
111	41.7	21.3	63.9	
148	61.7	31.6	94.8	

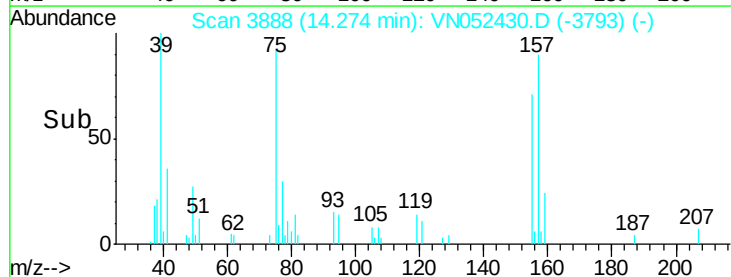
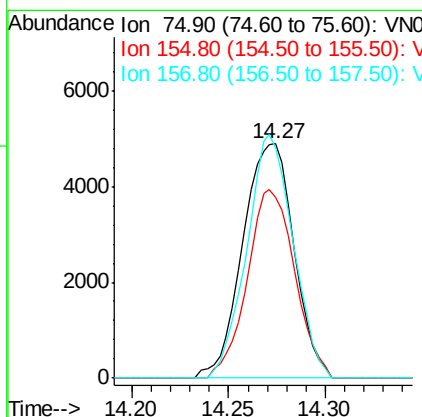
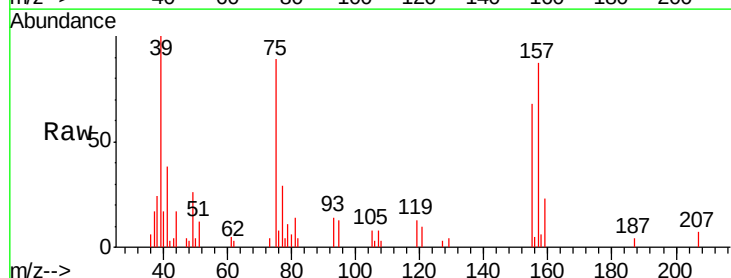
Manual Integrations
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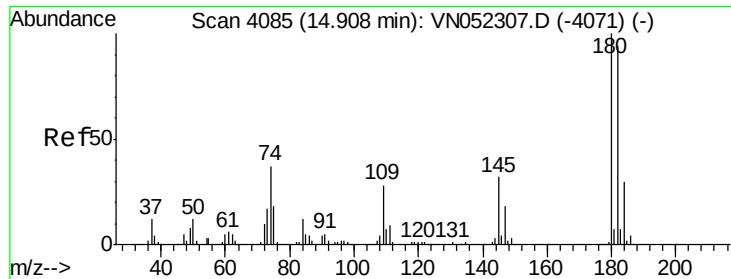
MMDadoda
 11/26/2018 4:56:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.37 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.01 min
 Lab File: VN052430.D
 Acq: 21 Nov 2018 11:37

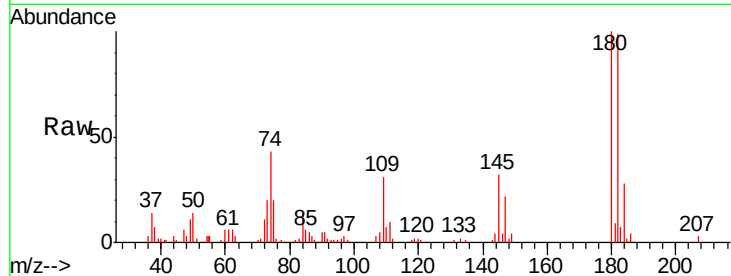
Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9001		
155	74.6	42.4	127.3	
157	93.9	49.6	149.0	





#93
1,2,4-Trichlorobenzene
Concen: 18.34 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

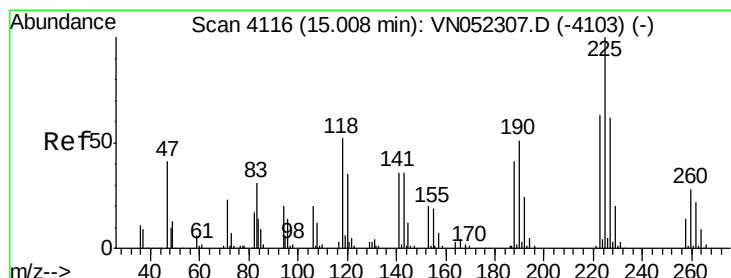
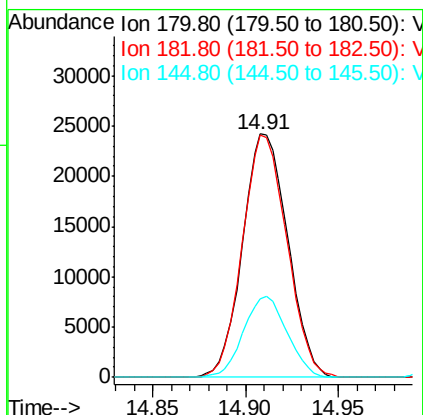
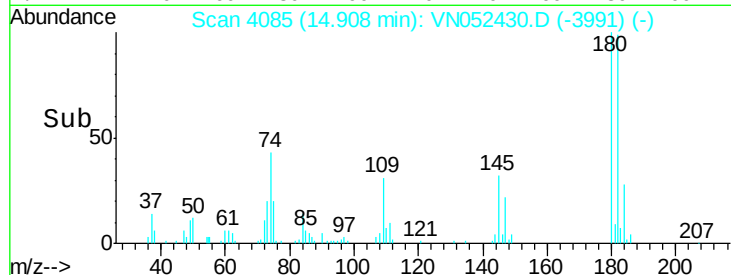
Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01



Tgt Ion:180 Resp: 40919
Ion Ratio Lower Upper
180 100
182 97.7 47.6 142.9
145 32.0 15.5 46.5

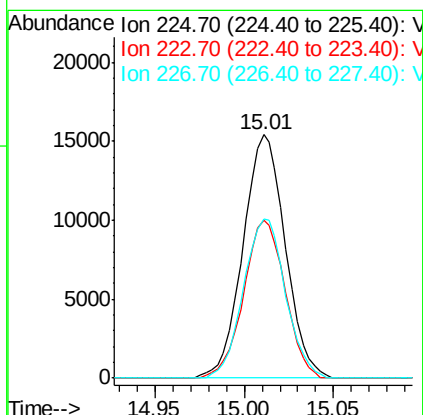
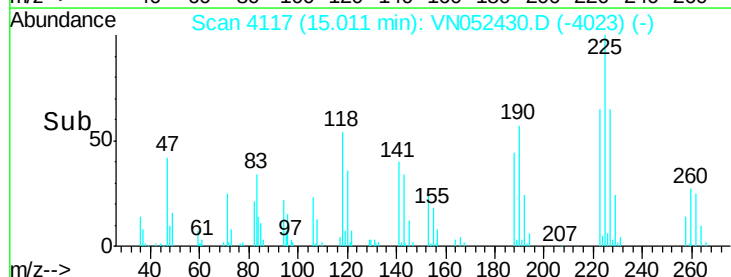
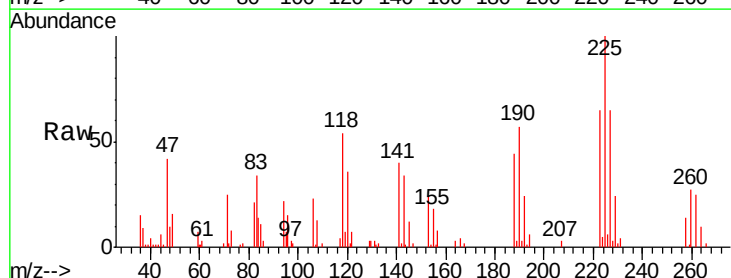
Manual Integrations
APPROVED

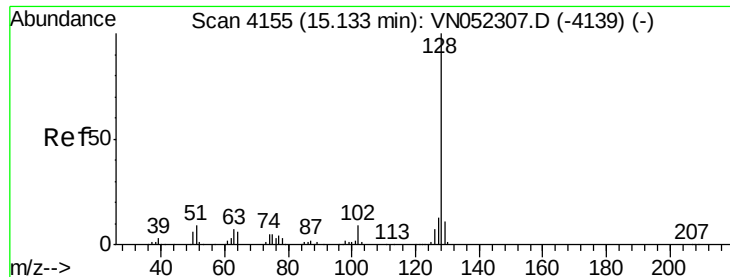
MMDadoda
11/26/2018 4:56:35 PM



#94
Hexachlorobutadiene
Concen: 21.37 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN052430.D
Acq: 21 Nov 2018 11:37

Tgt Ion:225 Resp: 25535
Ion Ratio Lower Upper
225 100
223 63.5 31.9 95.5
227 65.1 31.6 95.0





#95

Naphthalene

Concen: 17.18 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Instrument :

MSVOA_N

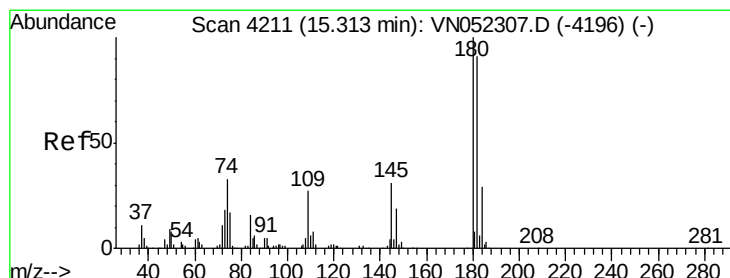
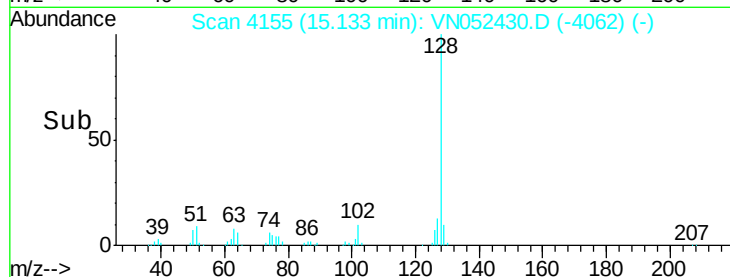
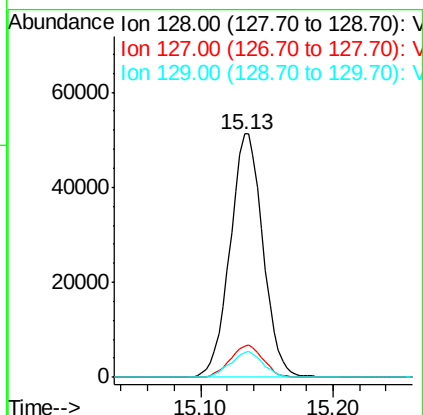
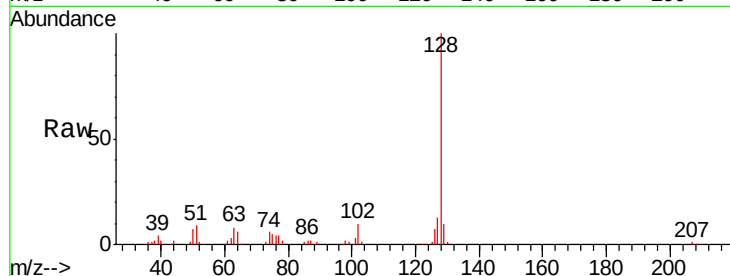
ClientSampleId :

VN1121WBSD01

Tgt Ion:	128	Resp:	88263
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.4	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/26/2018 4:56:35 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.48 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052430.D

Acq: 21 Nov 2018 11:37

Tgt Ion:	180	Resp:	38647
Ion Ratio	Lower	Upper	
180	100		
182	95.7	46.5	139.3
145	33.6	16.4	49.2

