

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112118\
 Data File : VN052428.D
 Acq On : 21 Nov 2018 10:44
 Operator : MD\SY
 Sample : VN1121WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 4:56:31 PM

Quant Time: Nov 22 00:16:11 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	266115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	439437	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	387931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	167803	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	198405	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
35) Dibromofluoromethane	7.59	113	146070	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	10.09	98	542501	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.40	95	181070	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	55847	19.80	ug/l	99
3) Chloromethane	2.06	50	71714	18.30	ug/l	99
4) Vinyl Chloride	2.19	62	63834	18.84	ug/l	100
5) Bromomethane	2.58	94	35122	16.63	ug/l	93
6) Chloroethane	2.71	64	36940	19.29	ug/l	99
7) Trichlorofluoromethane	3.02	101	98980	21.12	ug/l	97
8) Diethyl Ether	3.41	74	31772	17.78	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.77	101	58747	19.85	ug/l	97
10) Methyl Iodide	3.96	142	61850	15.56	ug/l	95
11) Tert butyl alcohol	4.78	59	15456	77.87	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	50064	18.28	ug/l	95
13) Acrolein	3.61	56	22367	89.97	ug/l	96
14) Allyl chloride	4.33	41	111912	19.90	ug/l	95
15) Acrylonitrile	4.99	53	100446	88.62	ug/l	98
16) Acetone	3.82	43	106138	102.56	ug/l	94
17) Carbon Disulfide	4.06	76	150286	19.13	ug/l	99
18) Methyl Acetate	4.32	43	51805	18.14	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	148916	18.92	ug/l	98
20) Methylene Chloride	4.55	84	61877	19.22	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	56145	19.04	ug/l	98
22) Diisopropyl ether	5.95	45	232139	20.23	ug/l	98
23) Vinyl Acetate	5.90	43	714690	91.80	ug/l	99
24) 1,1-Dichloroethane	5.85	63	122020	19.83	ug/l	99
25) 2-Butanone	6.84	43	137816	94.61	ug/l	97
26) 2,2-Dichloropropane	6.83	77	85632	18.92	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	63666	18.54	ug/l	94
28) Bromochloromethane	7.20	49	59739	18.88	ug/l	96
29) Tetrahydrofuran	7.21	42	83535	87.30	ug/l	99
30) Chloroform	7.37	83	118328	20.18	ug/l	94
31) Cyclohexane	7.66	56	115738	19.61	ug/l #	96
32) 1,1,1-Trichloroethane	7.57	97	99026	19.82	ug/l	97
36) 1,1-Dichloropropene	7.80	75	88885	20.18	ug/l	99
37) Ethyl Acetate	6.93	43	58661	18.35	ug/l	96
38) Carbon Tetrachloride	7.77	117	86989	21.50	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	99280	19.75	ug/l	96
40) Benzene	8.04	78	248364	19.74	ug/l	97
41) Methacrylonitrile	7.18	41	34869	21.88	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	95362	21.25	ug/l	100
43) Isopropyl Acetate	8.16	43	108572	17.60	ug/l	99
44) Trichloroethene	8.84	130	62048	20.02	ug/l	99
45) 1,2-Dichloropropane	9.12	63	71273	19.96	ug/l	98
46) Dibromomethane	9.21	93	40542	19.61	ug/l	96
47) Bromodichloromethane	9.40	83	90100	21.24	ug/l	97
48) Methyl methacrylate	9.20	41	55096	17.60	ug/l	95
49) 1,4-Dioxane	9.20	88	9154	381.00	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	291571	93.91	ug/l	99
52) Toluene	10.16	92	148925	19.79	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	82095	19.19	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	96701	19.83	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	52774	19.34	ug/l	94
56) Ethyl methacrylate	10.43	69	61839	17.23	ug/l	92
57) 1,3-Dichloropropane	10.71	76	93951	19.44	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	187083	91.57	ug/l	100
59) 2-Hexanone	10.75	43	198884	93.13	ug/l	97
60) Dibromochloromethane	10.90	129	58612	19.85	ug/l	99
61) 1,2-Dibromoethane	11.01	107	50697	18.65	ug/l	99
64) Tetrachloroethene	10.63	164	56470	20.48	ug/l	97
65) Chlorobenzene	11.43	112	159823	19.49	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	56557	20.23	ug/l	100
67) Ethyl Benzene	11.51	91	290992	20.45	ug/l	98
68) m/p-Xylenes	11.62	106	208781	40.15	ug/l	95
69) o-Xylene	11.95	106	102562	20.58	ug/l	99
70) Styrene	11.97	104	164690	20.63	ug/l	98
71) Bromoform	12.13	173	33433	20.25	ug/l #	99
73) Isopropylbenzene	12.25	105	281167	20.84	ug/l	97
74) N-amyl acetate	12.07	43	79550	16.55	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	61585	18.88	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	54184m	19.03	ug/l	
77) Bromobenzene	12.53	156	63136	20.11	ug/l	99
78) n-propylbenzene	12.59	91	327136	20.73	ug/l	99
79) 2-Chlorotoluene	12.68	91	191190	20.74	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	224571	20.93	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	14725	16.77	ug/l	86
82) 4-Chlorotoluene	12.77	91	194382	20.58	ug/l	97
83) tert-Butylbenzene	12.99	119	199217	21.03	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	225225	20.91	ug/l	98
85) sec-Butylbenzene	13.17	105	271638	21.05	ug/l	100
86) p-Isopropyltoluene	13.29	119	232261	21.25	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	111472	19.99	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	110167	19.88	ug/l	100
89) n-Butylbenzene	13.62	91	199586	21.26	ug/l	99
90) Hexachloroethane	13.88	117	40180	20.76	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	106591	19.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9459	19.67	ug/l	85

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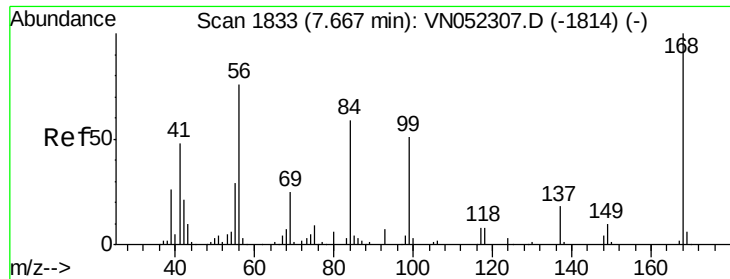
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	43369	18.73	ug/l	98
94) Hexachlorobutadiene	15.01	225	28217	22.82	ug/l	98
95) Naphthalene	15.13	128	92667	17.39	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	39975	19.48	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121WBS01

Tgt Ion: 168 Resp: 266115

Ion Ratio Lower Upper

168 100

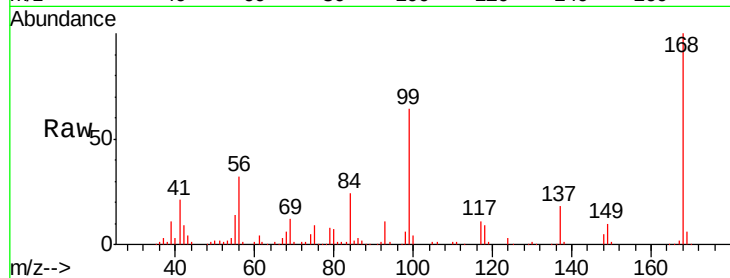
99 63.4 47.9 71.9

Manual Integrations

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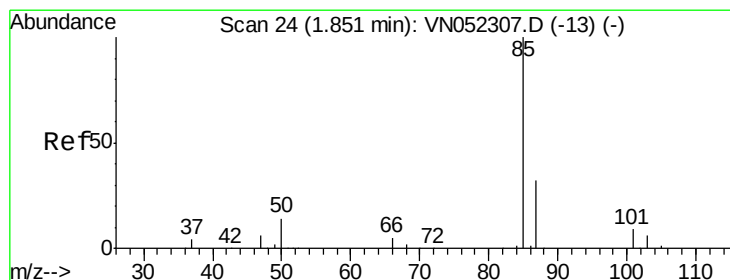
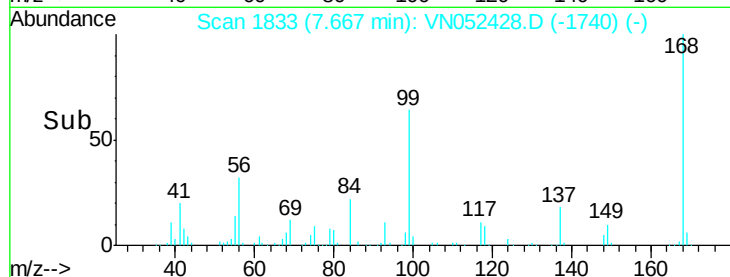
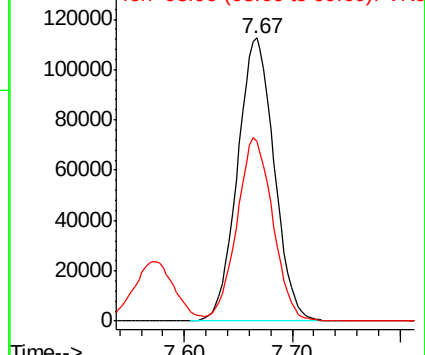
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.80 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052428.D

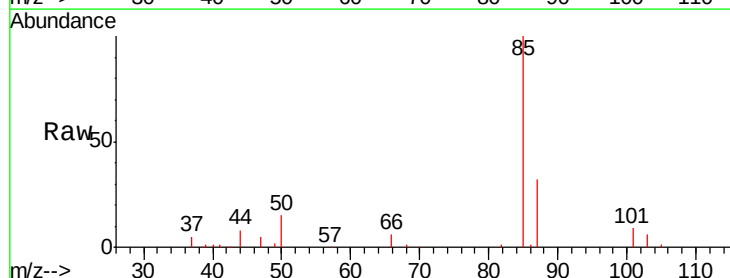
Acq: 21 Nov 2018 10:44

Tgt Ion: 85 Resp: 55847

Ion Ratio Lower Upper

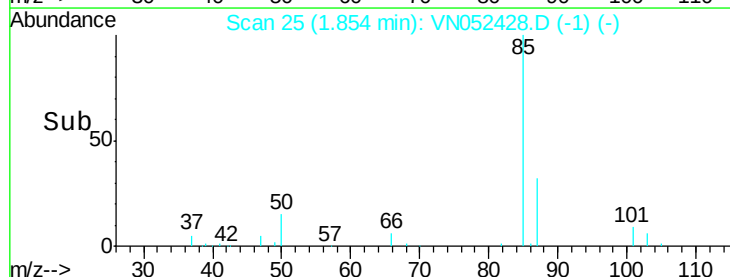
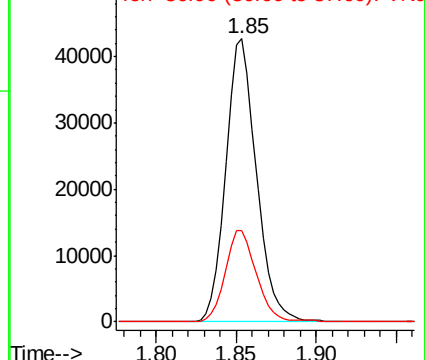
85 100

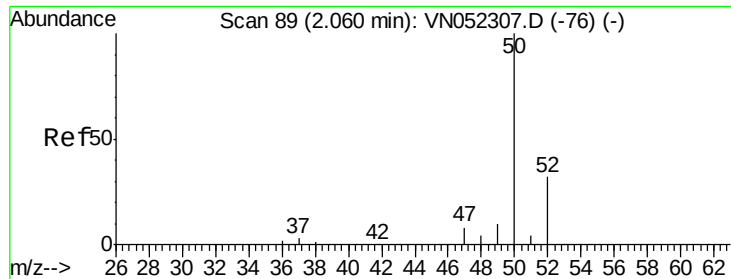
87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.30 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

ClientSampled :

VN1121WBS01

Tgt Ion: 50 Resp: 71714

Ion Ratio Lower Upper

50 100

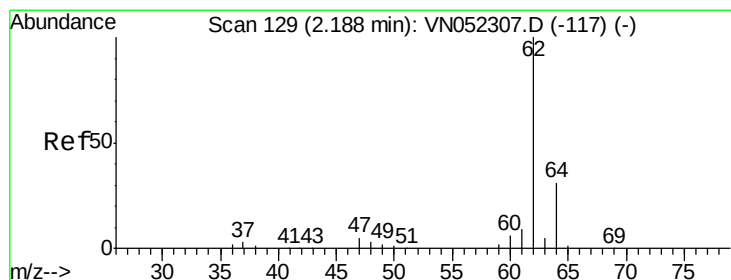
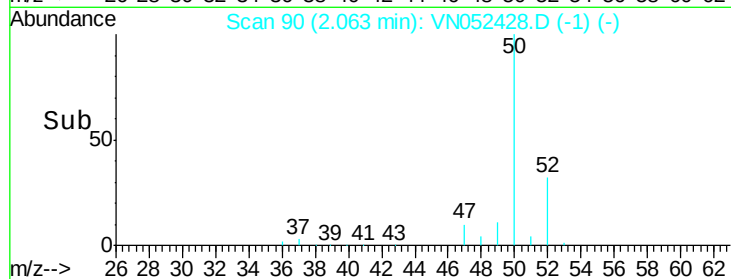
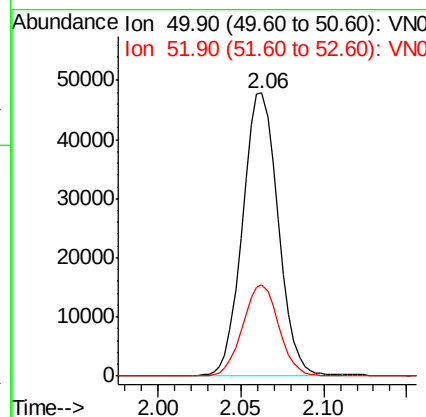
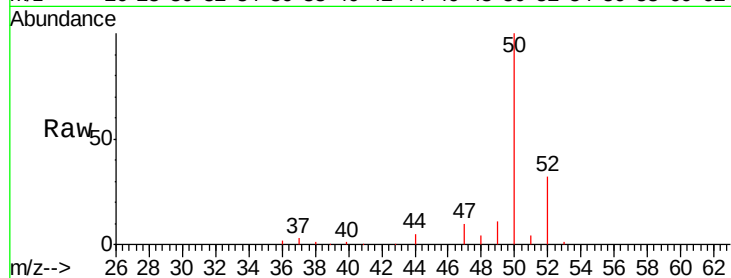
52 32.5 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.84 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052428.D

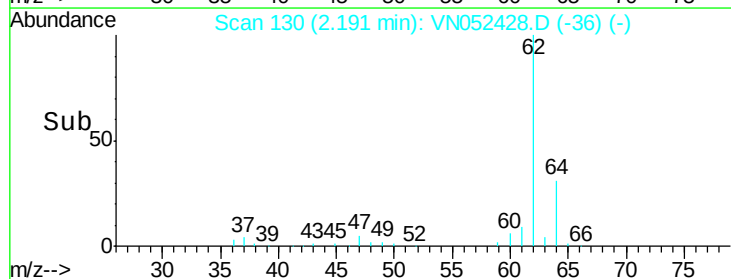
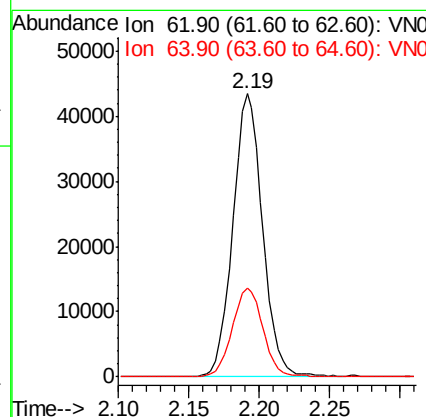
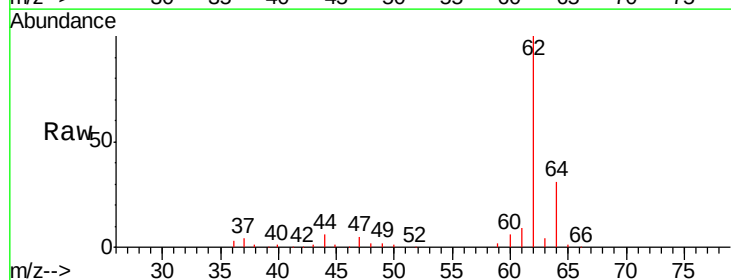
Acq: 21 Nov 2018 10:44

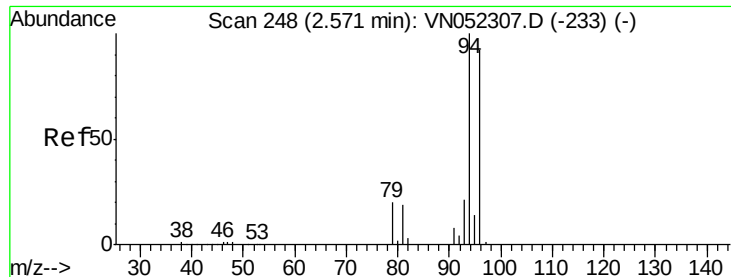
Tgt Ion: 62 Resp: 63834

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





#5

Bromomethane

Concen: 16.63 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

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ClientSampleId :

VN1121WBS01

Tgt Ion: 94 Resp: 35122

Ion Ratio Lower Upper

94 100

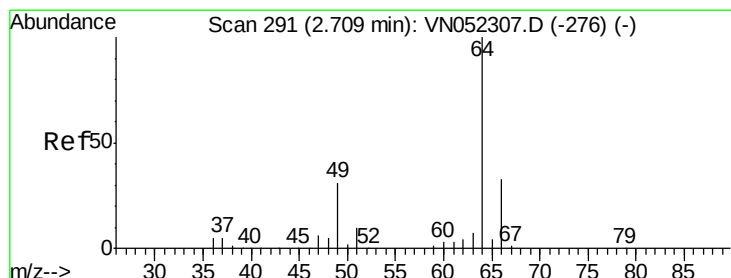
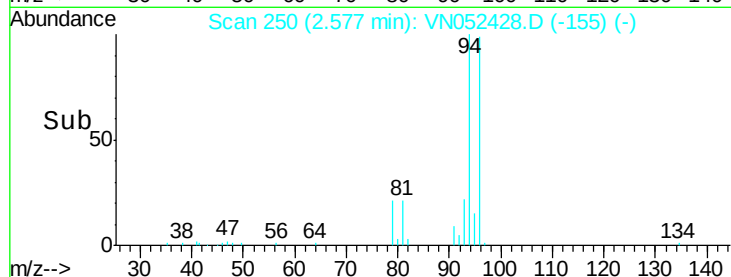
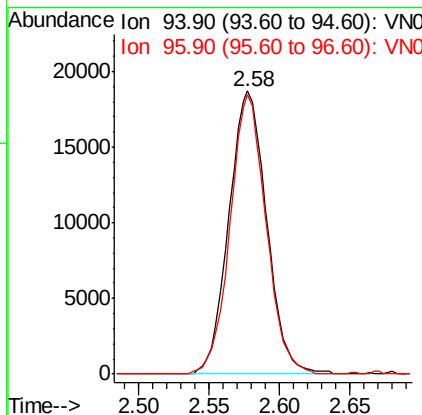
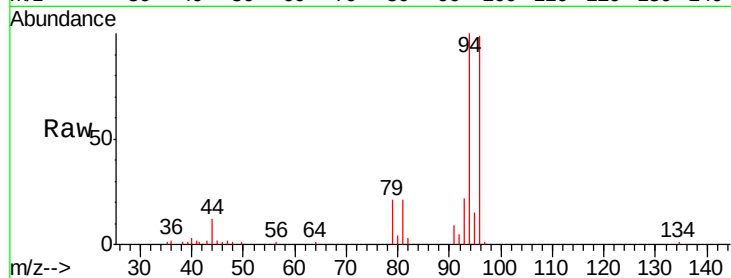
96 98.8 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 19.29 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052428.D

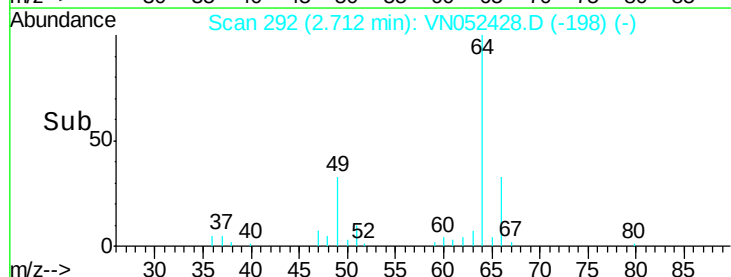
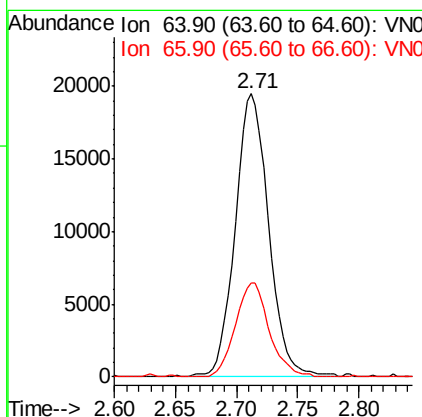
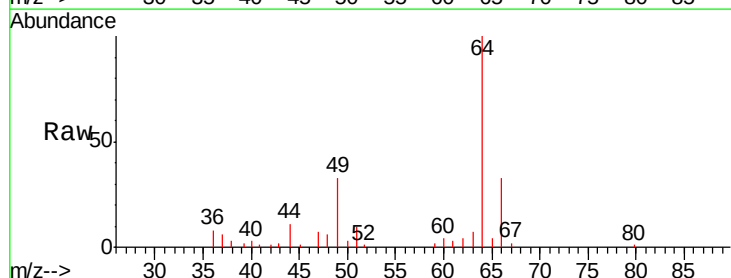
Acq: 21 Nov 2018 10:44

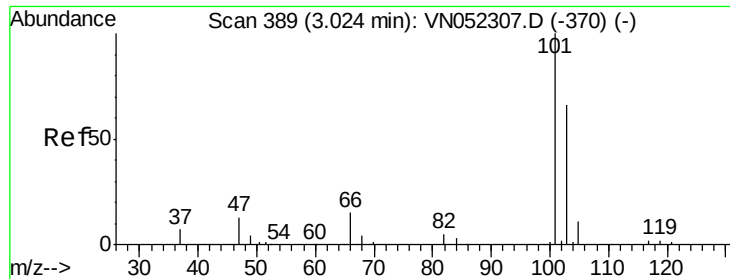
Tgt Ion: 64 Resp: 36940

Ion Ratio Lower Upper

64 100

66 33.2 26.2 39.2





#7

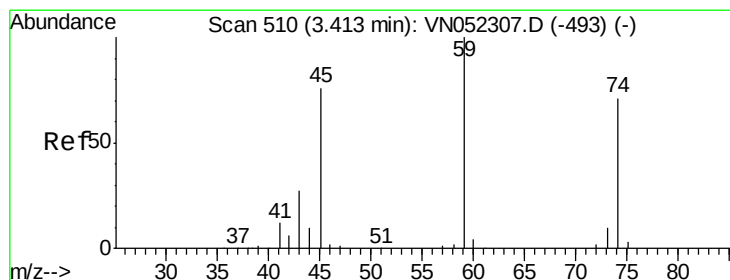
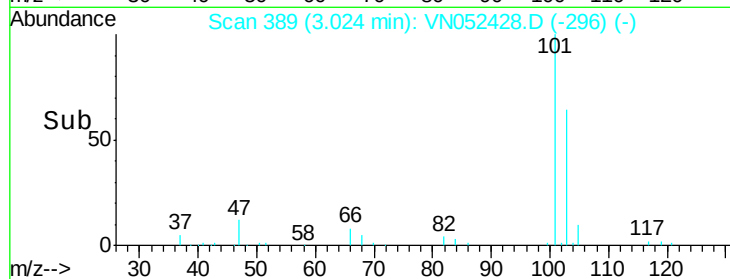
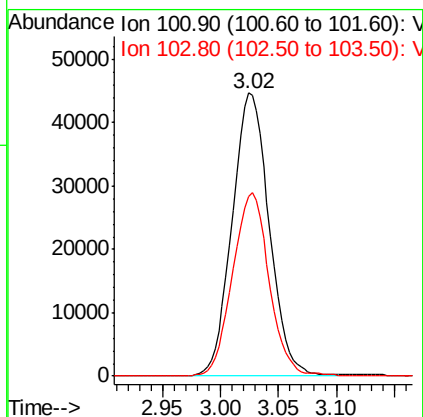
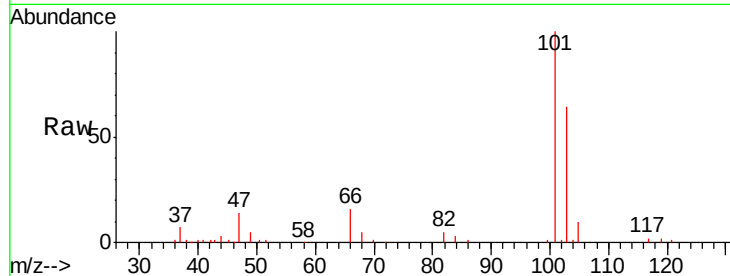
Trichlorofluoromethane
 Concen: 21.12 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

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 ClientSampleId :
 VN1121WBS01

Tgt Ion: 101 Resp: 98980
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.8 79.2

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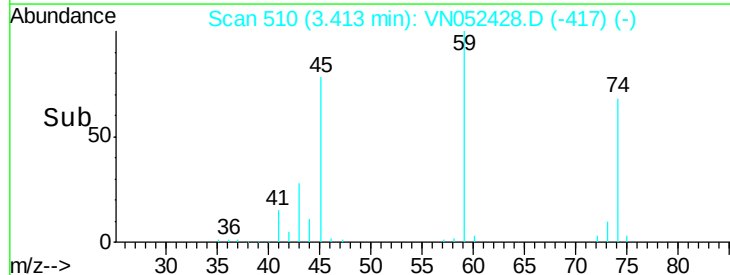
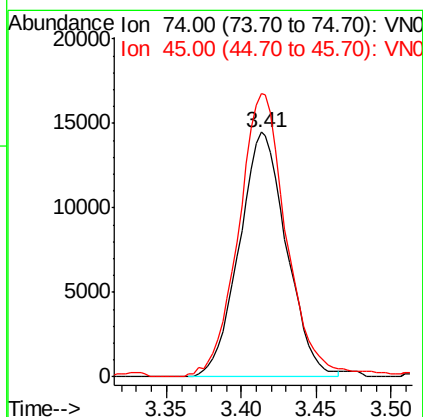
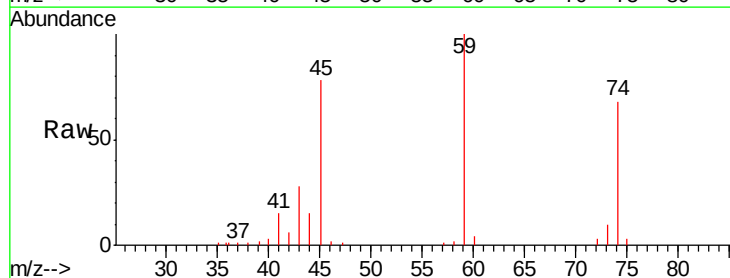
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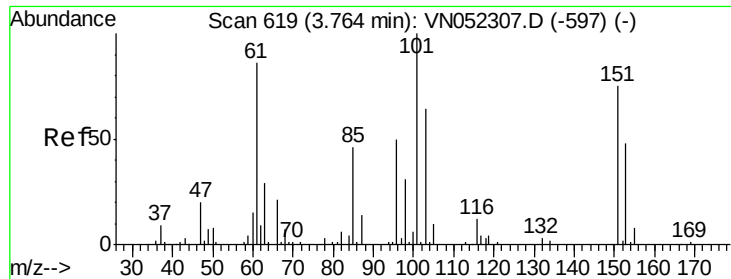


#8

Diethyl Ether
 Concen: 17.78 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion: 74 Resp: 31772
 Ion Ratio Lower Upper
 74 100
 45 118.5 54.3 162.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.85 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.01 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

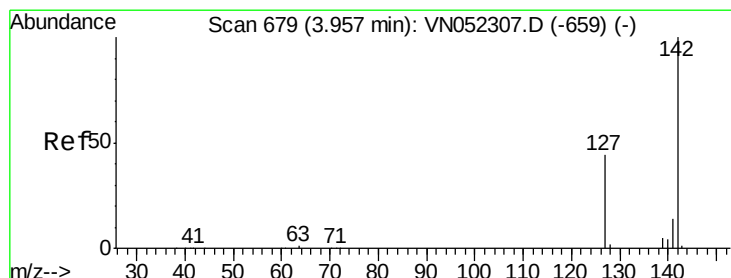
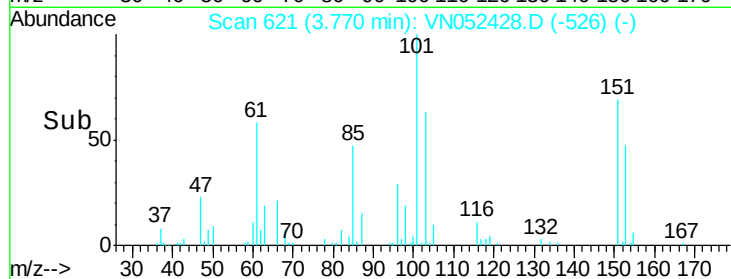
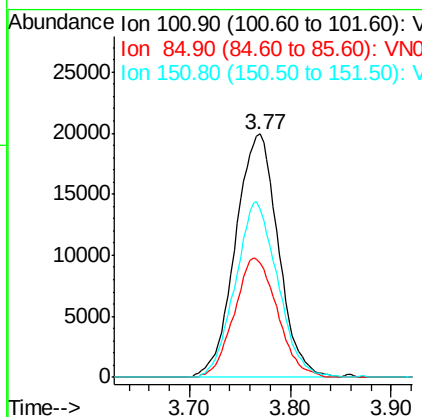
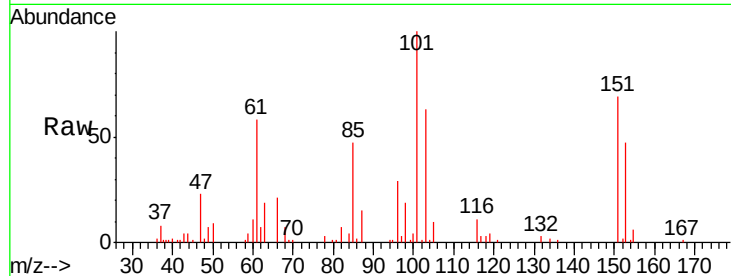
ClientSampleId :

VN1121WBS01

Tgt Ion:	101	Resp:	58747
Ion Ratio	Lower	Upper	
101	100		
85	49.1	37.4	56.0
151	71.5	58.6	88.0

Manual Integrations
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#10

Methyl Iodide

Concen: 15.56 ug/l

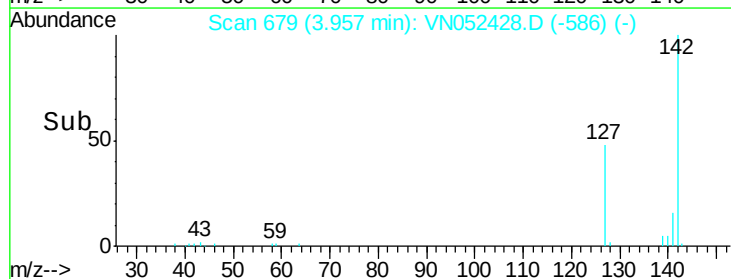
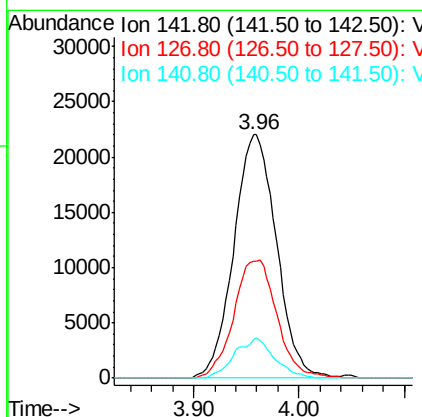
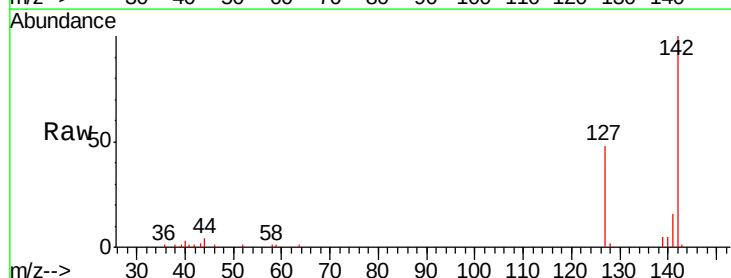
RT: 3.96 min Scan# 679

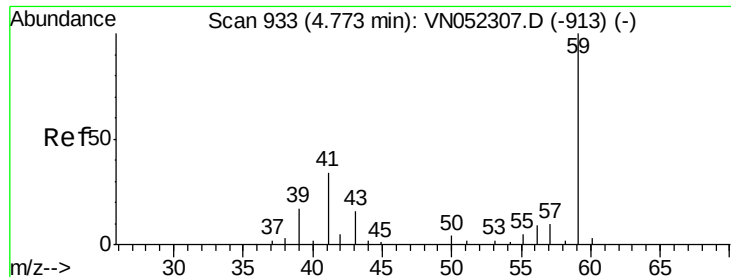
Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Tgt Ion:	142	Resp:	61850
Ion Ratio	Lower	Upper	
142	100		
127	49.0	36.3	54.5
141	15.2	11.4	17.2





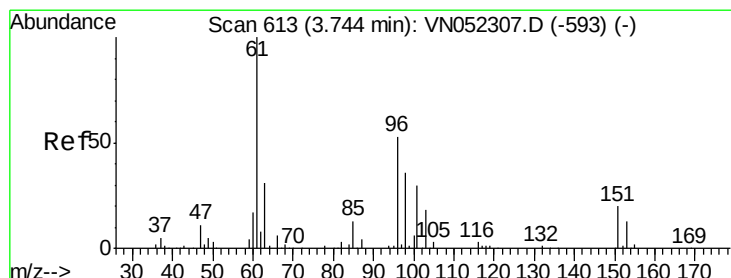
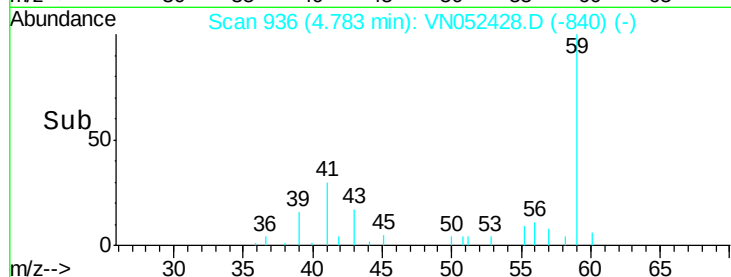
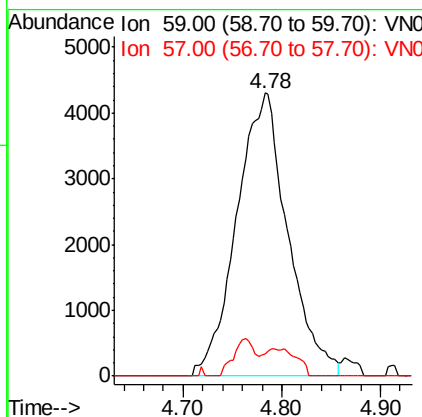
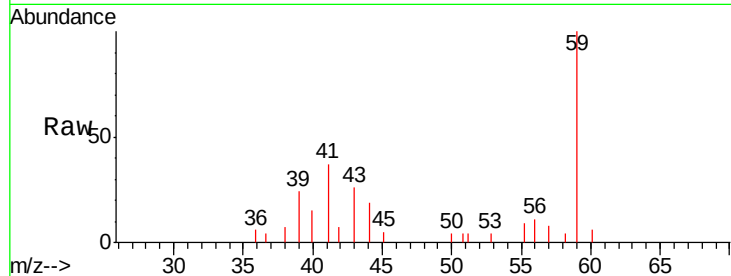
#11
Tert butyl alcohol
Concen: 77.87 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBS01

Tgt Ion: 59 Resp: 15456
Ion Ratio Lower Upper
59 100
57 5.6 8.5 12.7#

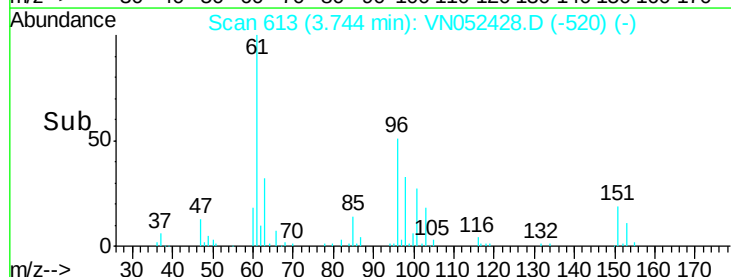
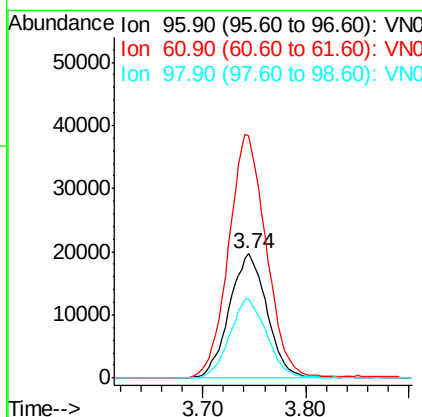
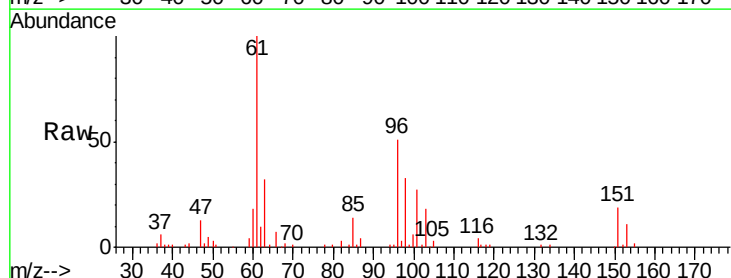
Manual Integrations
APPROVED

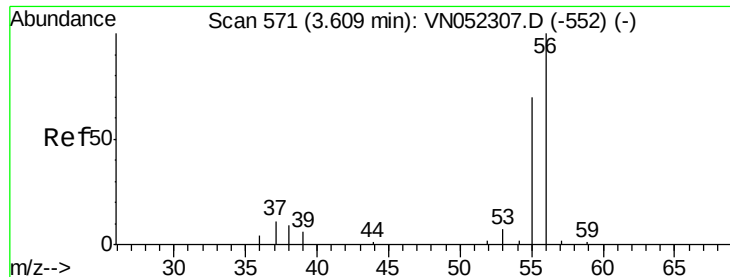
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.28 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion: 96 Resp: 50064
Ion Ratio Lower Upper
96 100
61 195.3 149.6 224.4
98 64.0 54.2 81.2





#13

Acrolein

Concen: 89.97 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121WBS01

Tgt Ion: 56 Resp: 22367

Ion Ratio Lower Upper

56 100

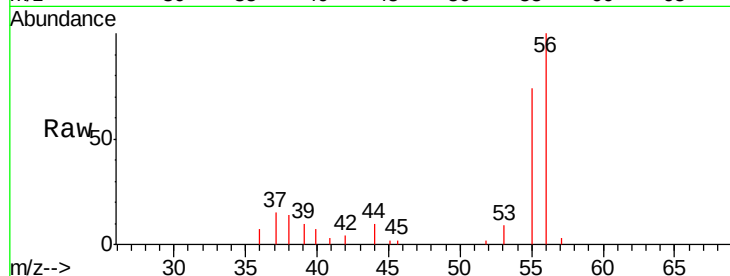
55 75.4 57.6 86.4

Manual Integrations

APPROVED

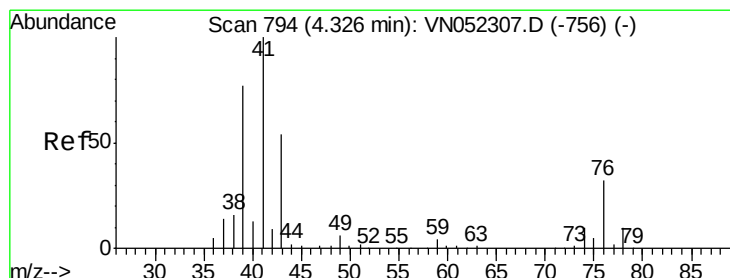
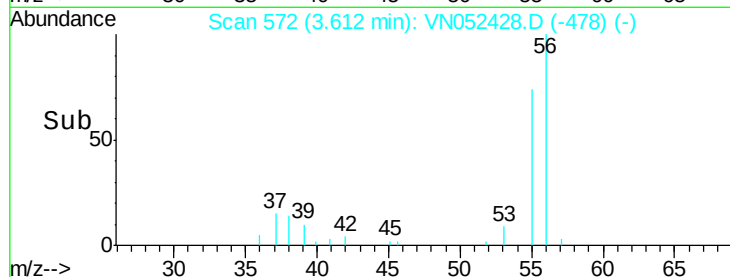
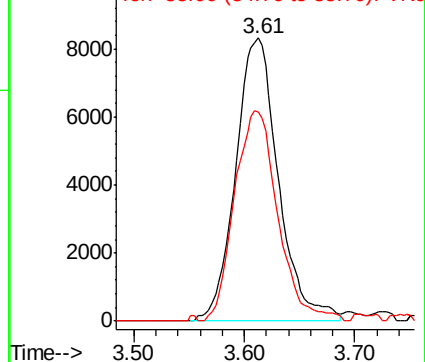
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 19.90 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

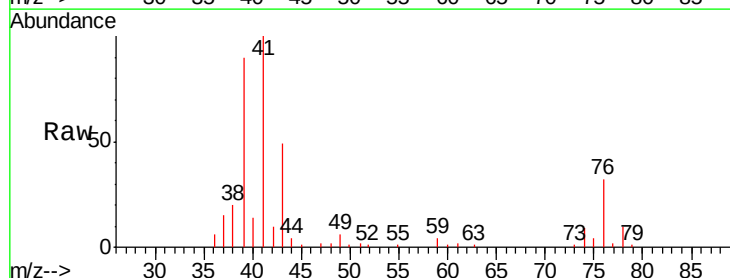
Tgt Ion: 41 Resp: 111912

Ion Ratio Lower Upper

41 100

39 79.0 59.1 88.7

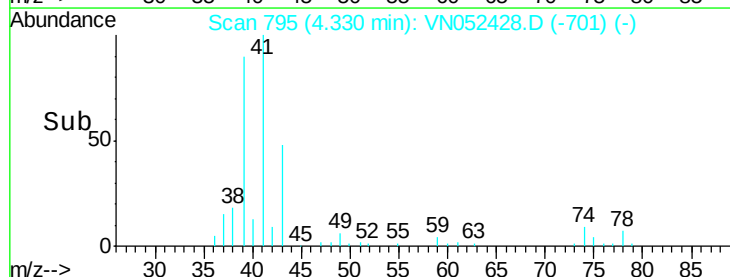
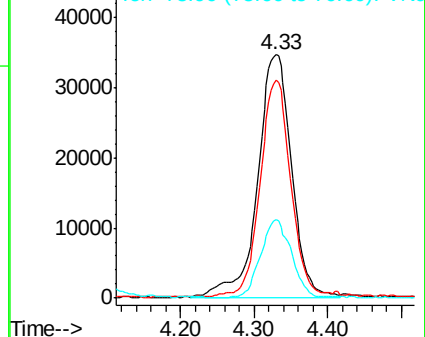
76 29.0 24.1 36.1

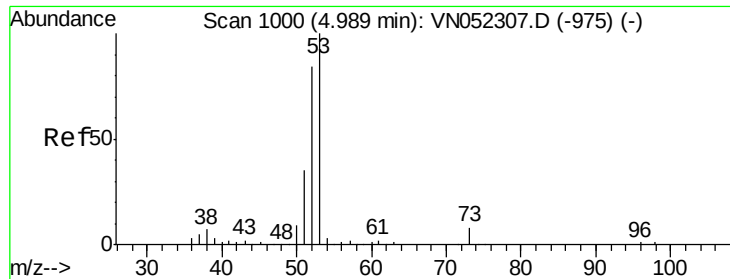


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 88.62 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

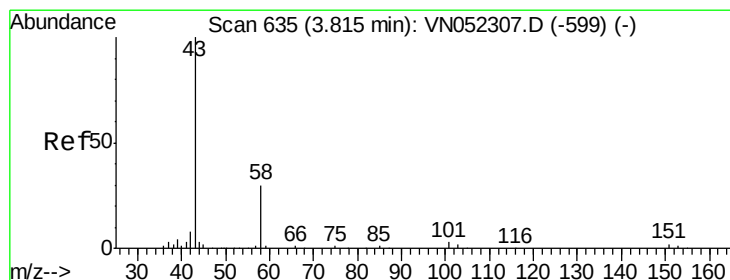
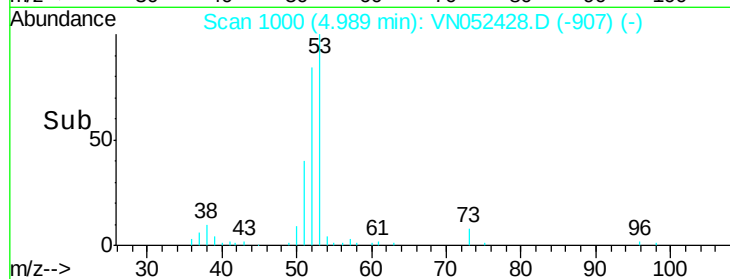
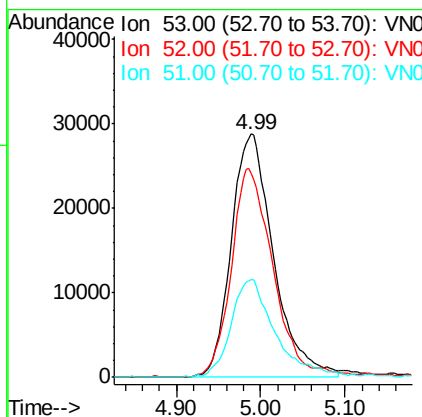
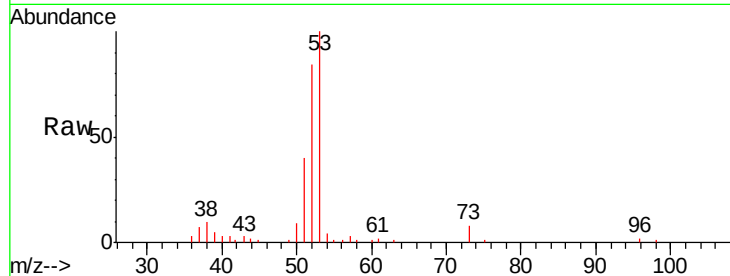
ClientSampleId :

VN1121WBS01

Tgt Ion:	53	Resp:	100446
Ion	Ratio	Lower	Upper
53	100		
52	85.1	67.5	101.3
51	40.4	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 102.56 ug/l

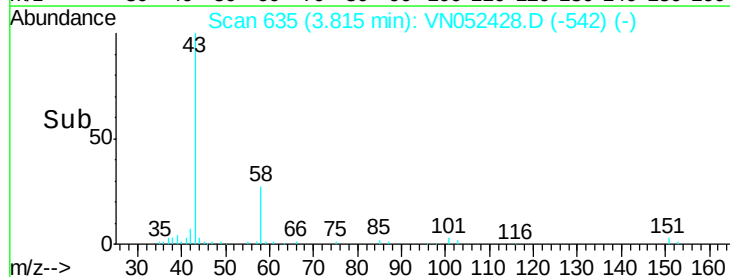
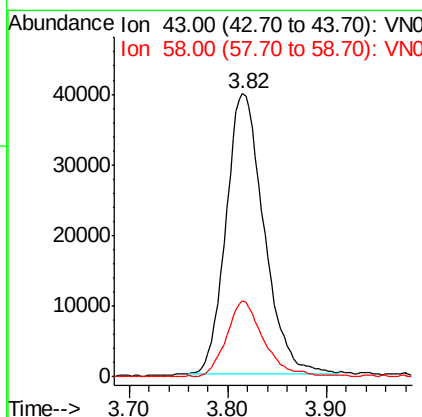
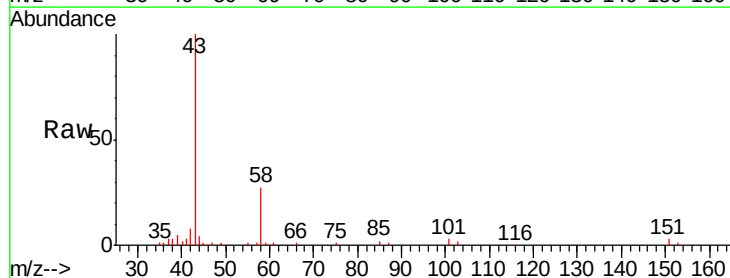
RT: 3.82 min Scan# 635

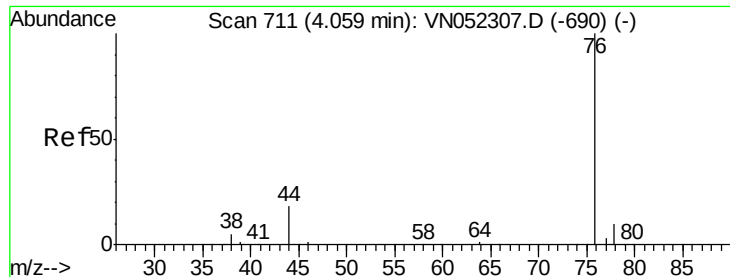
Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Tgt Ion:	43	Resp:	106138
Ion	Ratio	Lower	Upper
43	100		
58	26.8	24.2	36.4





#17

Carbon Disulfide

Concen: 19.13 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121WBS01

Tgt Ion: 76 Resp: 150286

Ion Ratio Lower Upper

76 100

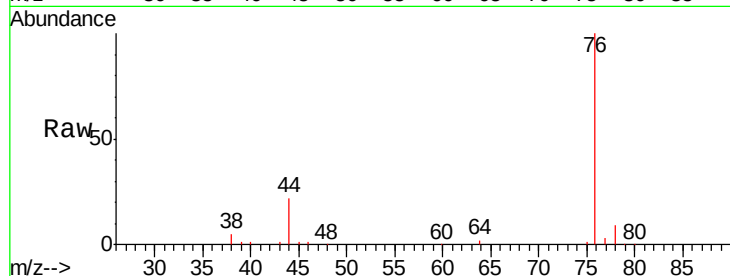
78 9.1 7.7 11.5

Manual Integrations

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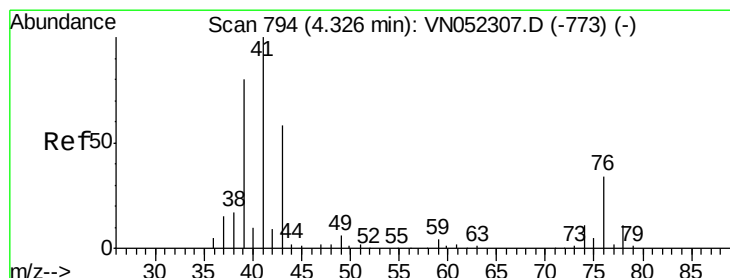
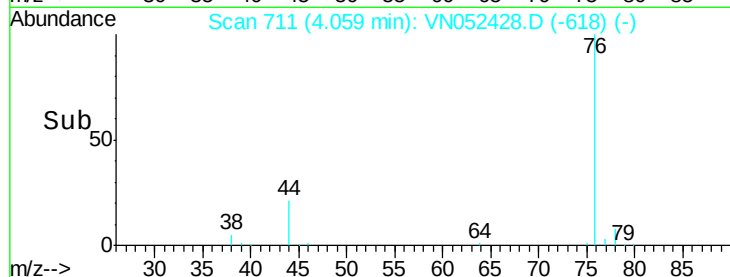
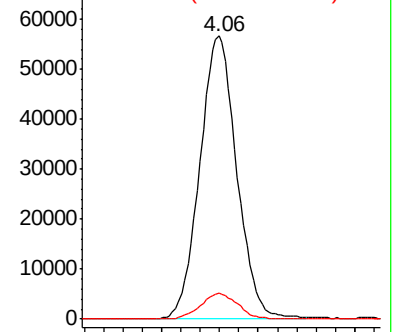
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 18.14 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052428.D

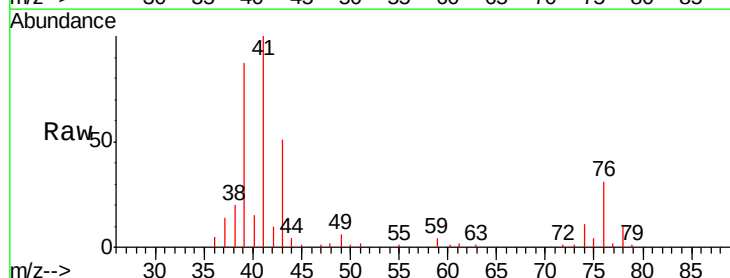
Acq: 21 Nov 2018 10:44

Tgt Ion: 43 Resp: 51805

Ion Ratio Lower Upper

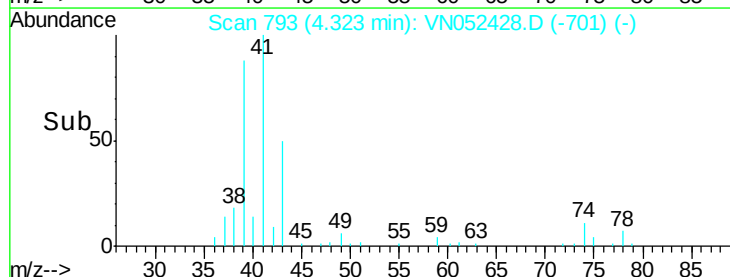
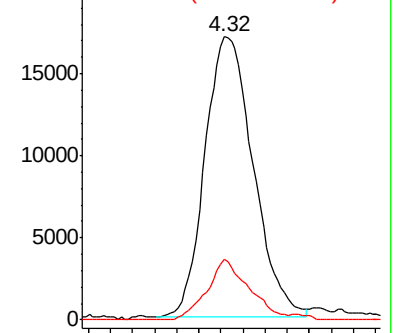
43 100

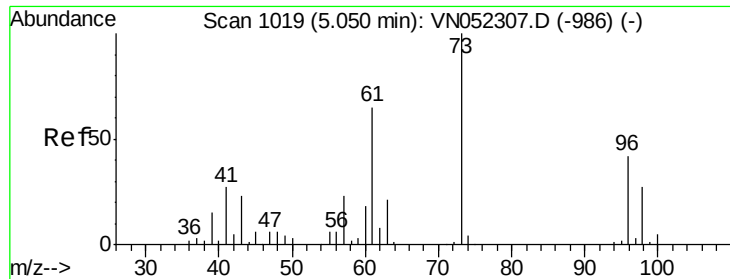
74 18.6 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





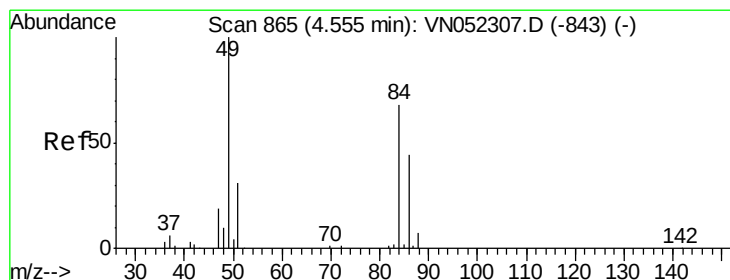
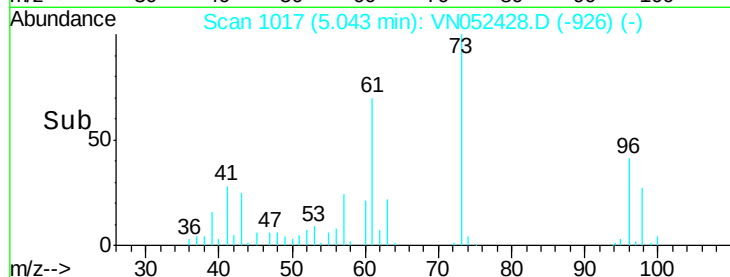
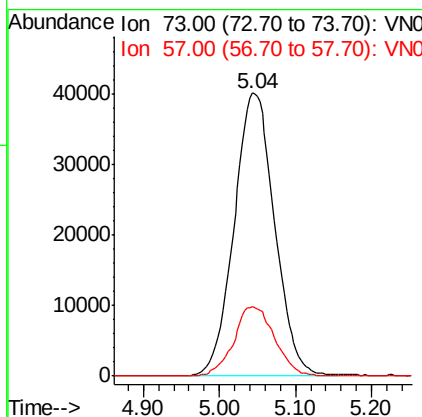
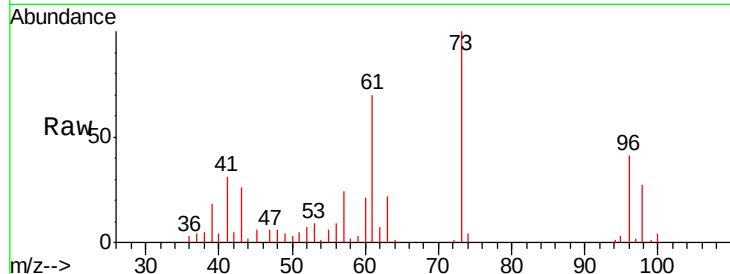
#19
Methyl tert-butyl Ether
Concen: 18.92 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBS01

Tgt Ion: 73 Resp: 148916
Ion Ratio Lower Upper
73 100
57 24.4 18.7 28.1

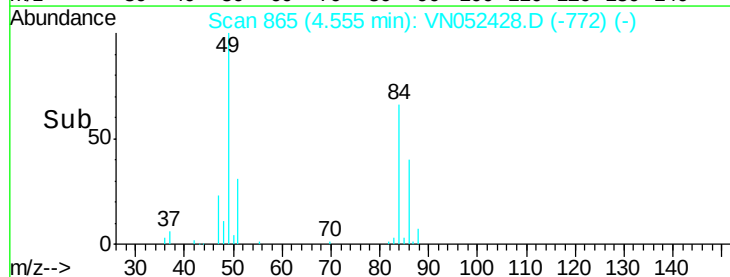
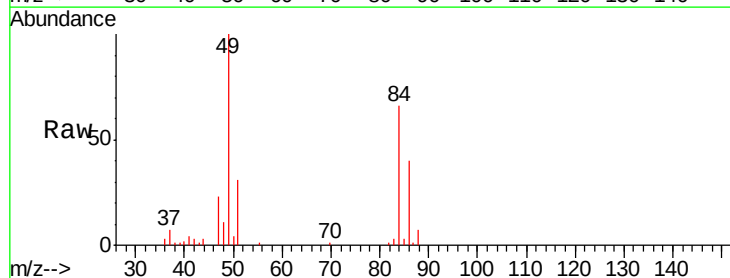
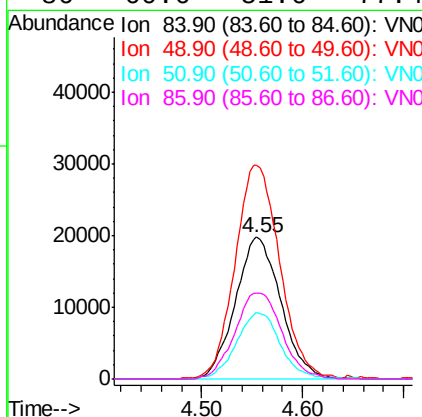
Manual Integrations
APPROVED

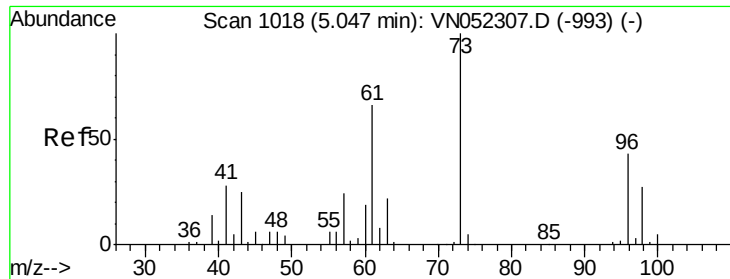
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#20
Methylene Chloride
Concen: 19.22 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion: 84 Resp: 61877
Ion Ratio Lower Upper
84 100
49 149.8 118.2 177.2
51 46.7 36.1 54.1
86 60.6 51.6 77.4





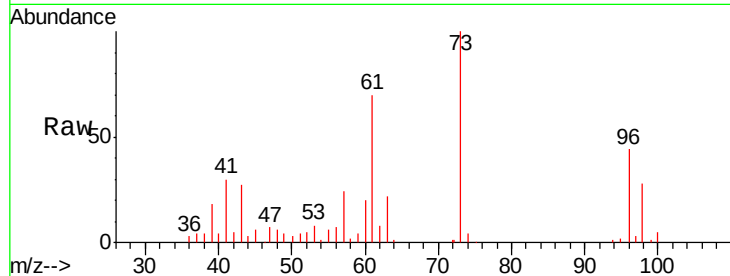
#21
trans-1,2-Dichloroethene
Concen: 19.04 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.1	123.6	185.4
98	64.0	50.7	76.1

Manual Integrations
APPROVED

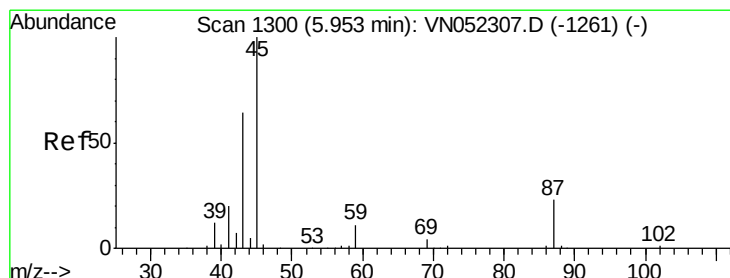
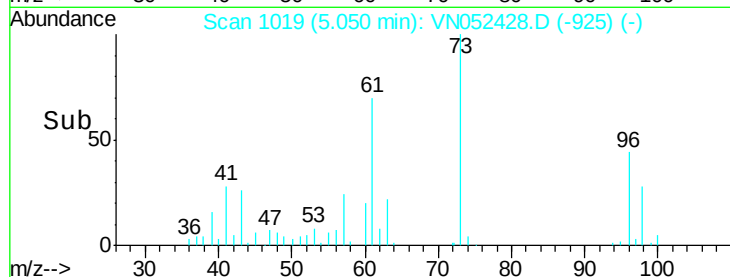
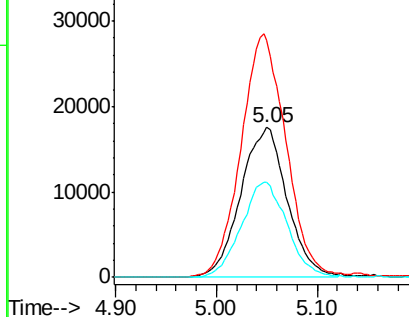
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Abundance Ion 95.90 (95.60 to 96.60): VN052307.D (-993) (-)

Ion 60.90 (60.60 to 61.60): VN052307.D (-993) (-)

Ion 97.90 (97.60 to 98.60): VN052307.D (-993) (-)



#22
Diisopropyl ether
Concen: 20.23 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

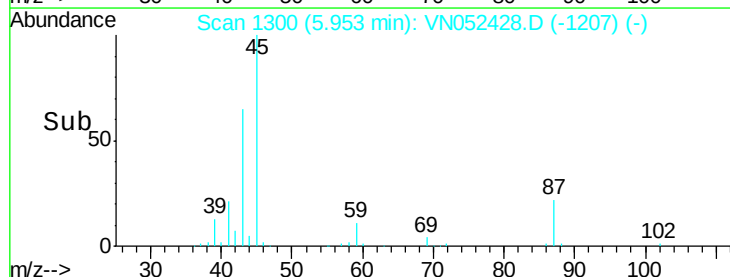
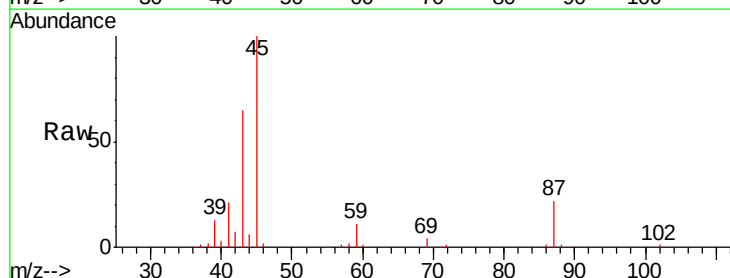
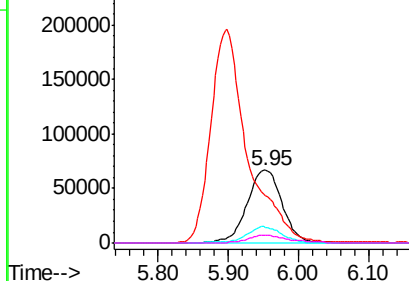
Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.5	51.4	77.2
87	21.8	18.8	28.2
59	10.4	8.6	12.8

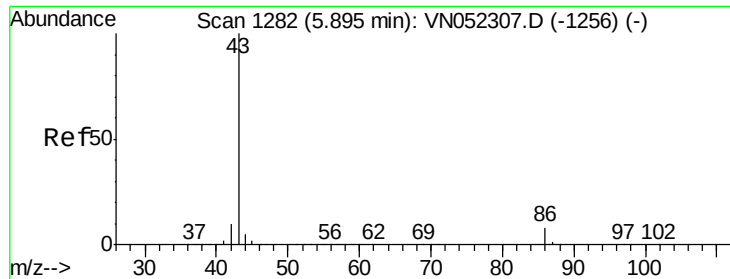
Abundance Ion 45.00 (44.70 to 45.70): VN052307.D (-1261) (-)

Ion 43.00 (42.70 to 43.70): VN052307.D (-1261) (-)

Ion 87.00 (86.70 to 87.70): VN052307.D (-1261) (-)

Ion 59.00 (58.70 to 59.70): VN052307.D (-1261) (-)





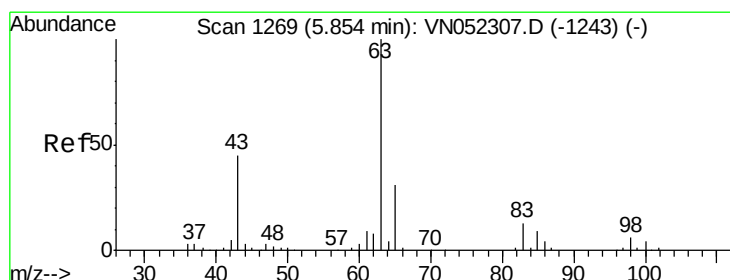
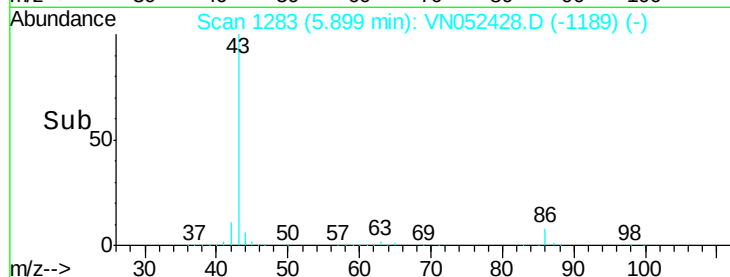
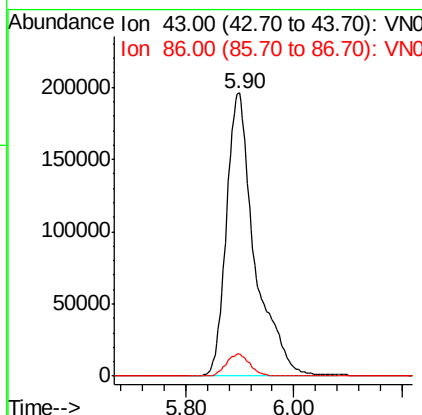
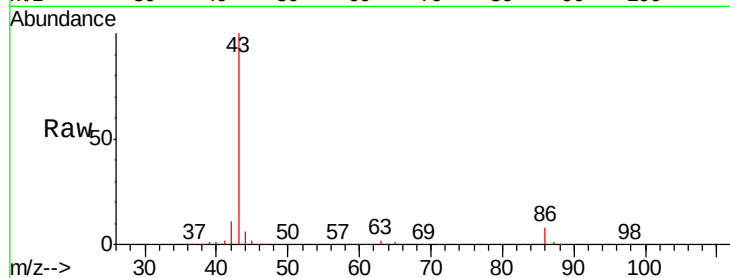
#23
 Vinyl Acetate
 Concen: 91.80 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBS01

Tgt Ion: 43 Resp: 714690
 Ion Ratio Lower Upper
 43 100
 86 7.8 6.5 9.7

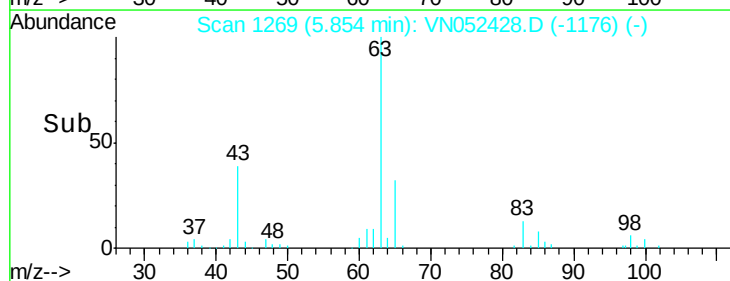
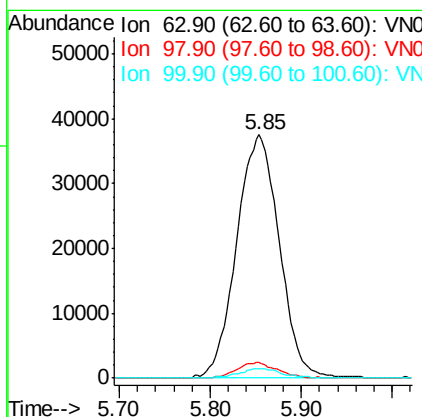
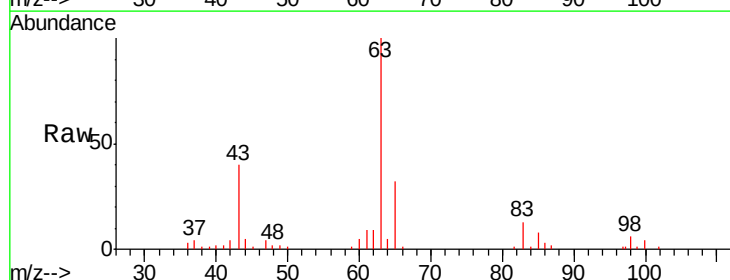
Manual Integrations
 APPROVED

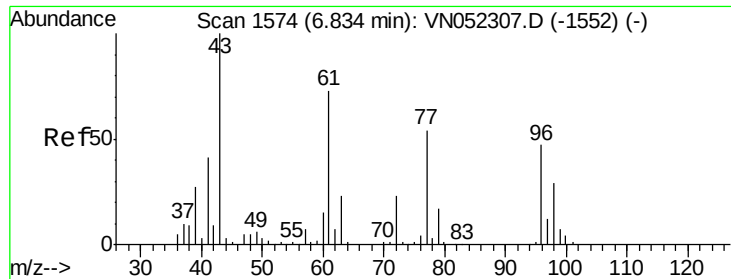
MMDadoda
 11/26/2018 4:56:31 PM



#24
 1,1-Dichloroethane
 Concen: 19.83 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion: 63 Resp: 122020
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.6
 100 3.9 1.9 5.7





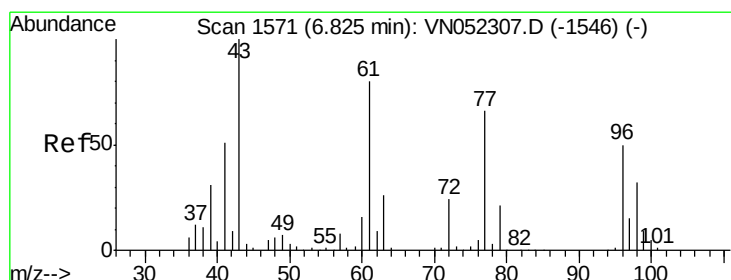
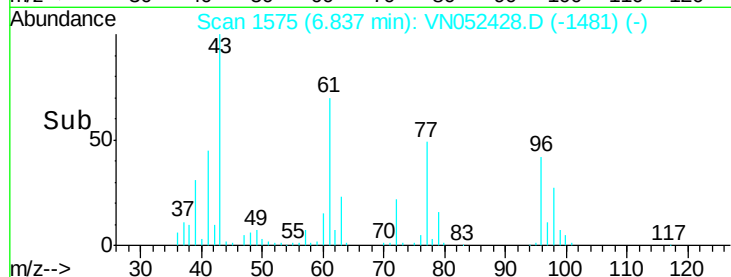
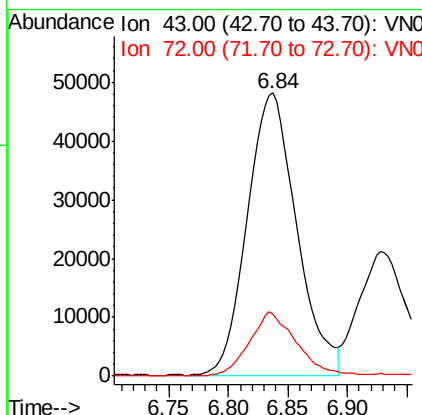
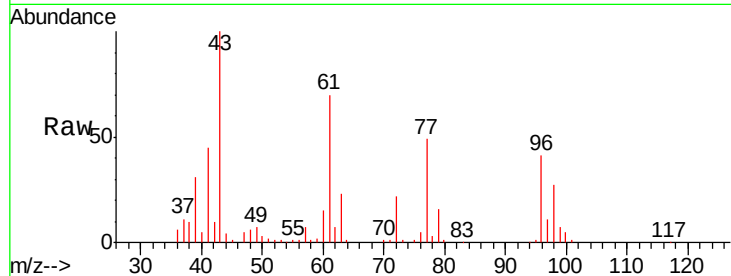
#25
2-Butanone
Concen: 94.61 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBS01

Tgt Ion: 43 Resp: 137816
Ion Ratio Lower Upper
43 100
72 22.0 18.6 27.8

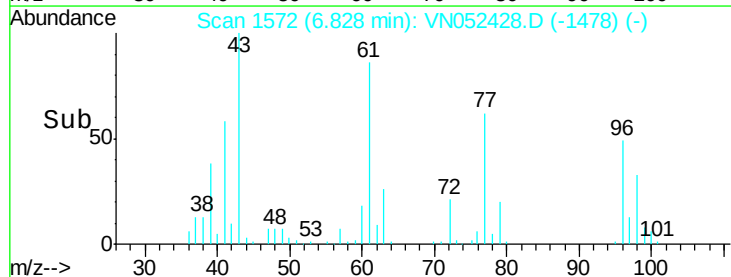
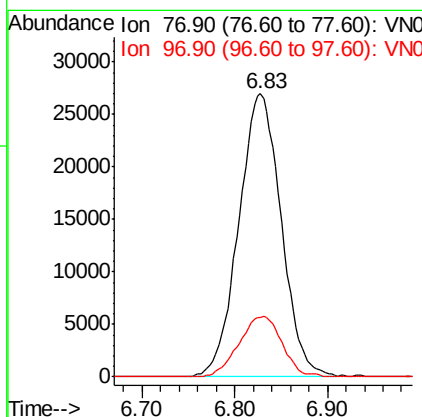
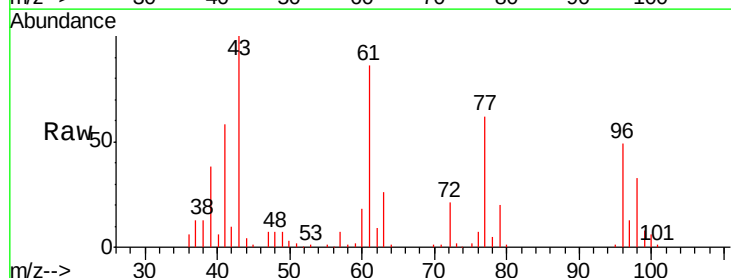
Manual Integrations
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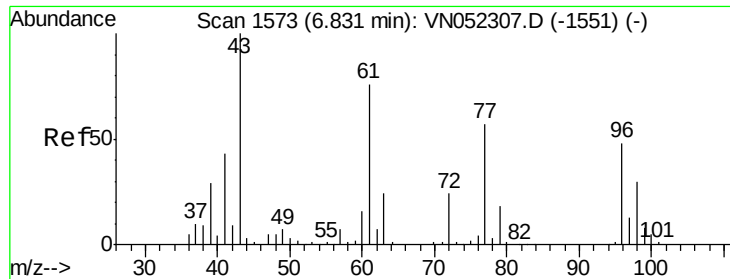
MMDadoda
11/26/2018 4:56:31 PM



#26
2,2-Dichloropropane
Concen: 18.92 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion: 77 Resp: 85632
Ion Ratio Lower Upper
77 100
97 21.8 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 18.54 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

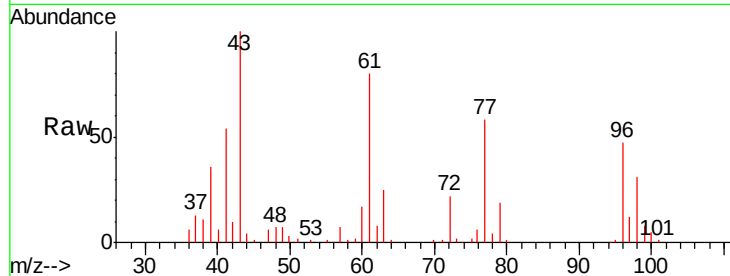
ClientSampleId :

VN1121WBS01

Tgt Ion:	96	Resp:	63666
Ion	Ratio	Lower	Upper
96	100		
61	169.9	0.0	316.8
98	63.3	0.0	126.6

Manual Integrations
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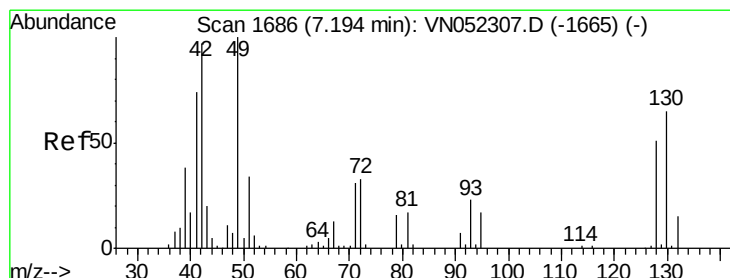
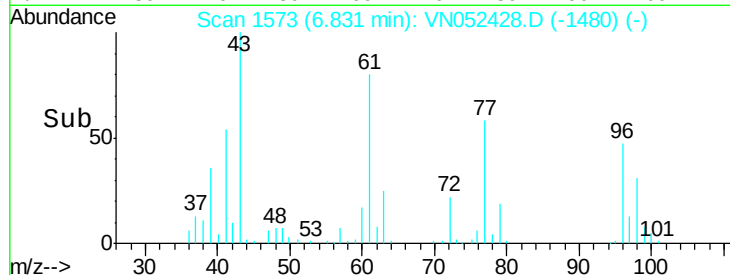
Abundance Ion 95.90 (95.60 to 96.60): VN052428.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN052428.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN052428.D (-1480) (-)

6.83

Time-->



#28

Bromochloromethane

Concen: 18.88 ug/l

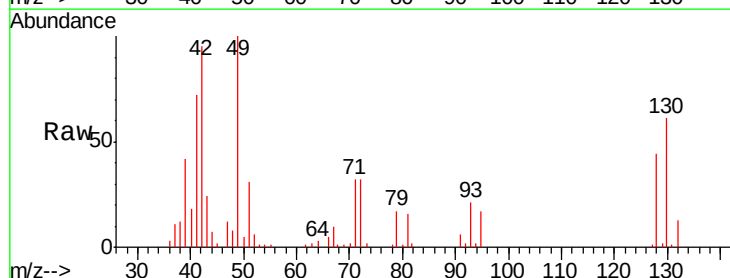
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Tgt Ion:	49	Resp:	59739
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.0
130	59.9	50.4	75.6



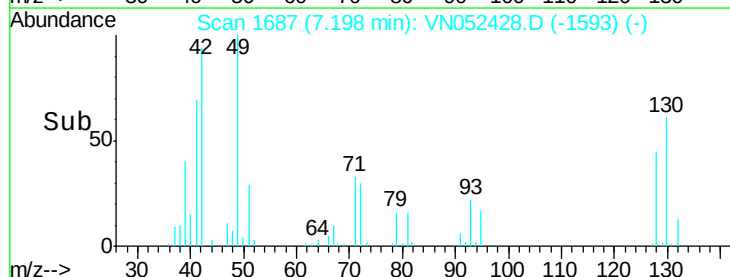
Abundance Ion 48.90 (48.60 to 49.60): VN052428.D (-1593) (-)

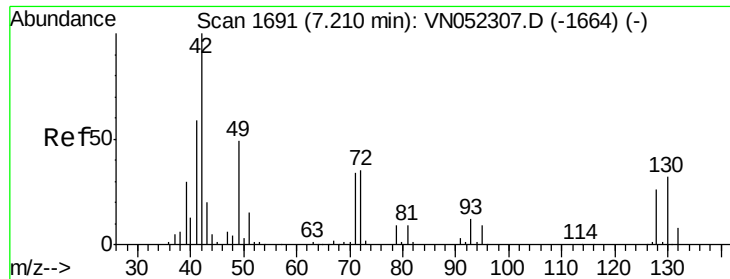
Ion 128.80 (128.50 to 129.50): VN052428.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN052428.D (-1593) (-)

7.20

Time-->





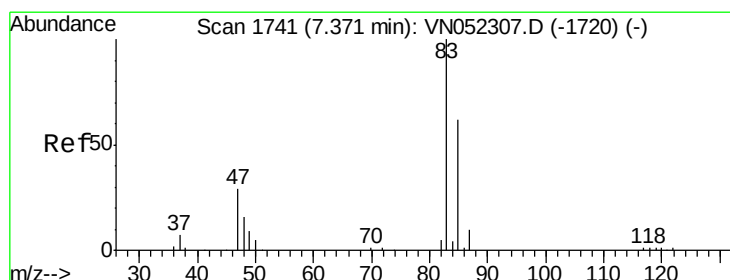
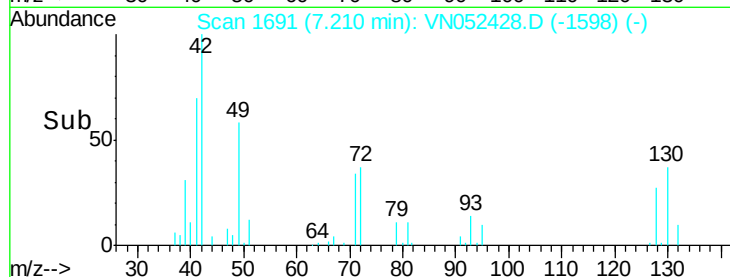
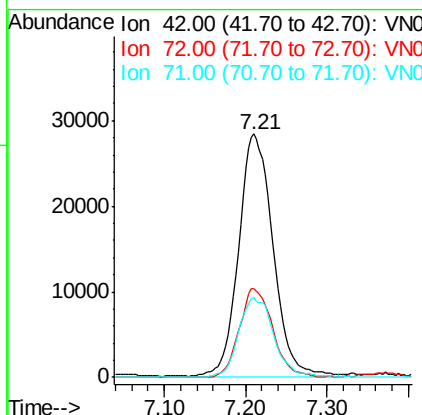
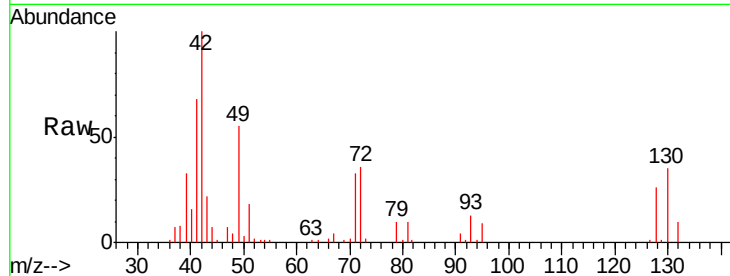
#29
Tetrahydrofuran
Concen: 87.30 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.1	28.6	42.8
71	32.7	26.7	40.1

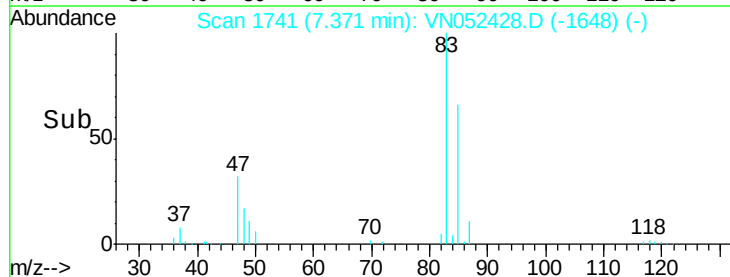
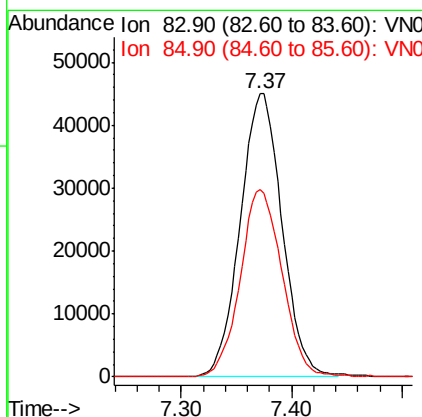
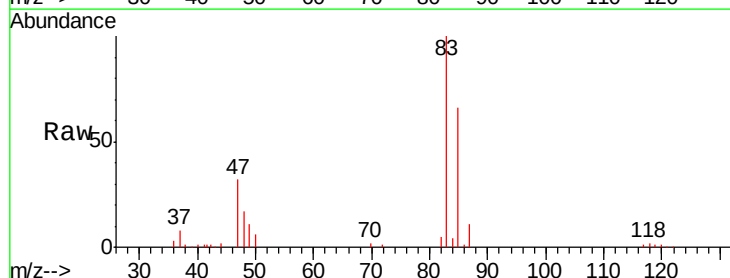
Manual Integrations
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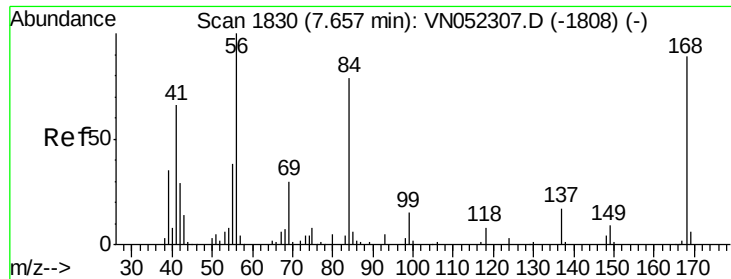
MMDadoda
11/26/2018 4:56:31 PM



#30
Chloroform
Concen: 20.18 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	49.4	74.2





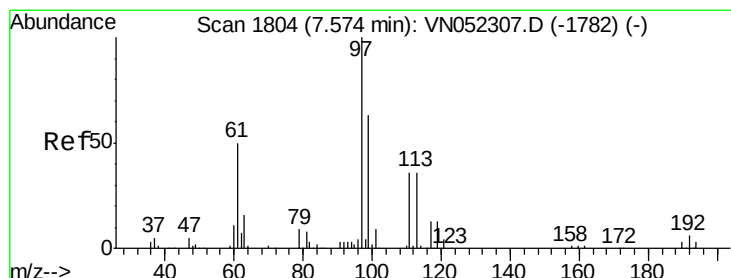
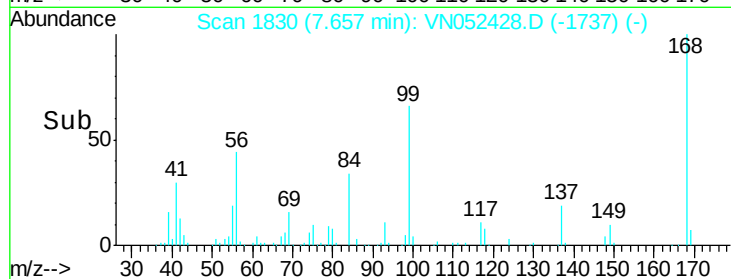
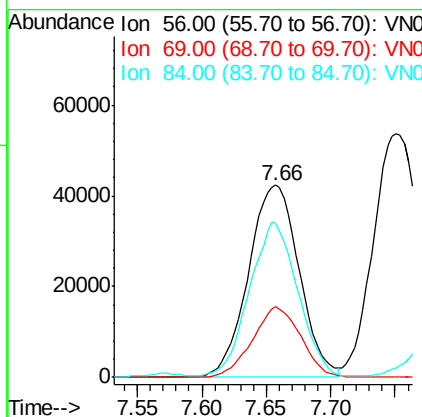
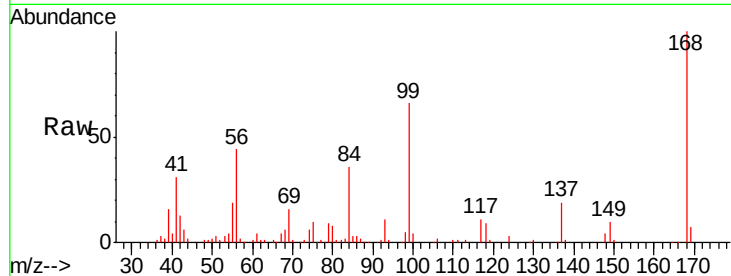
#31
Cyclohexane
Concen: 19.61 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.5	23.8	35.8#
84	79.2	63.0	94.6

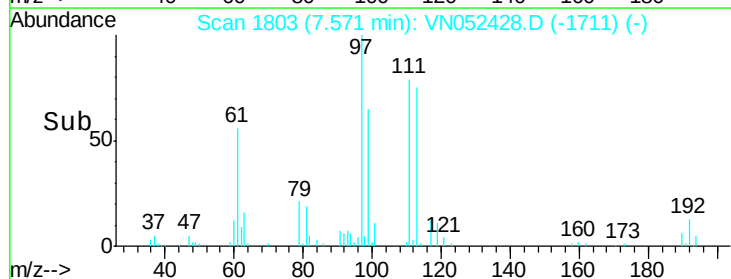
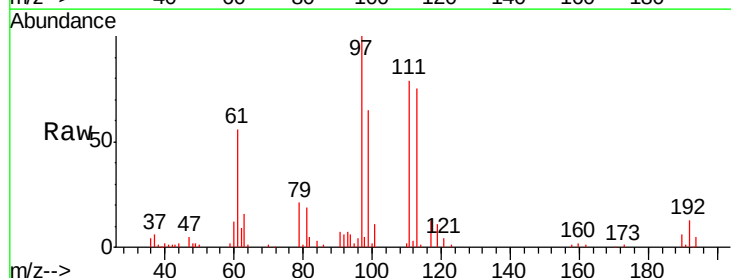
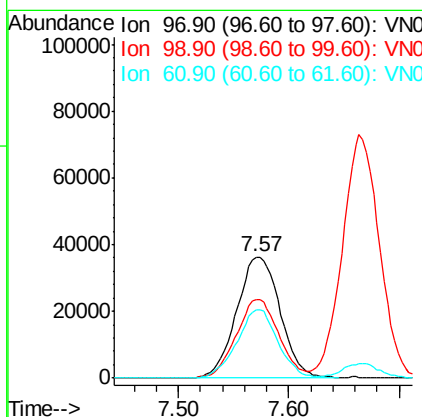
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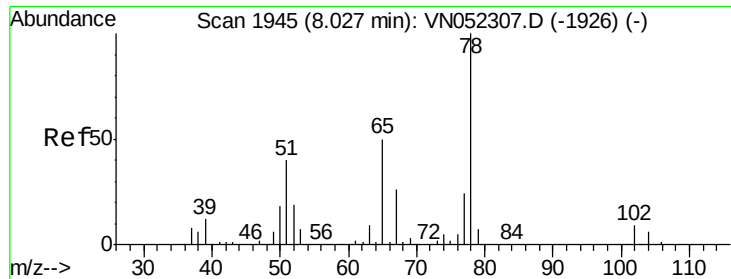
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#32
1,1,1-Trichloroethane
Concen: 19.82 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.2	75.2
61	53.5	40.2	60.4





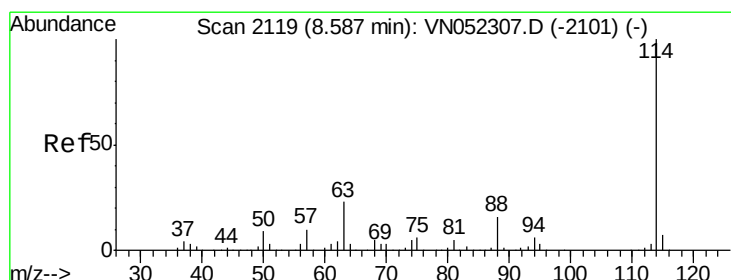
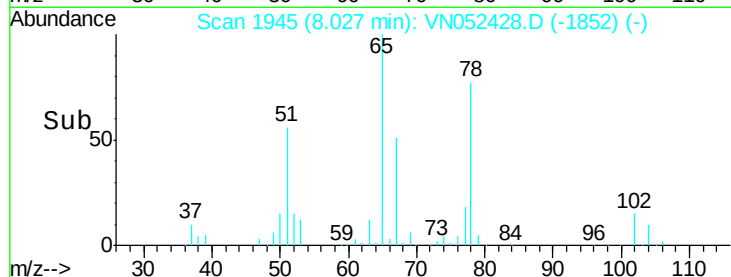
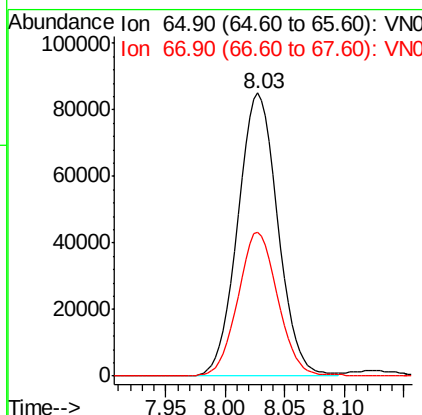
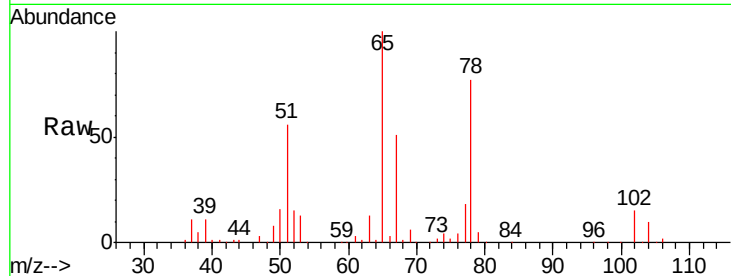
#33
 1,2-Dichloroethane-d4
 Concen: 19.82 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBS01

Tgt Ion: 65 Resp: 198405
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 105.2

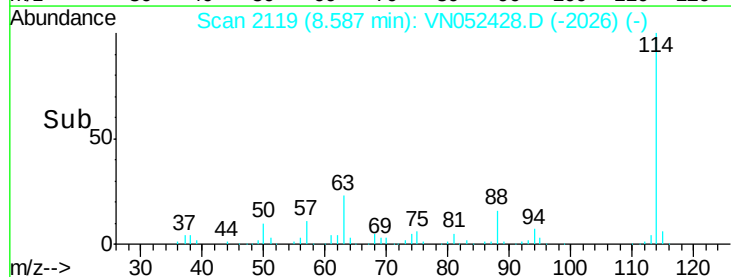
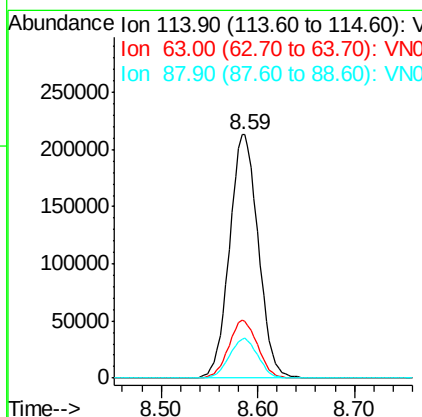
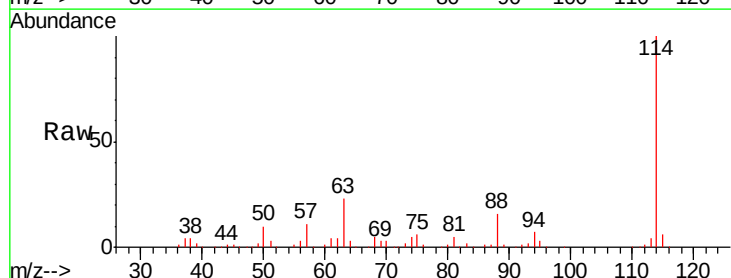
Manual Integrations
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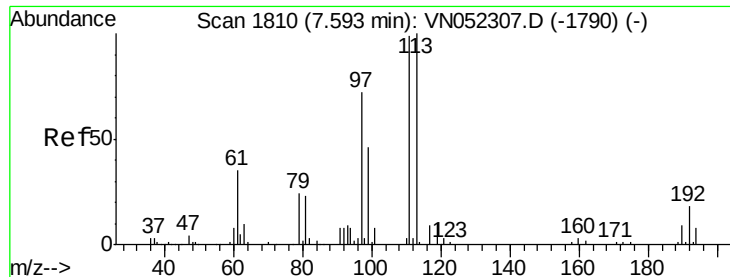
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion: 114 Resp: 439437
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.4
 88 16.3 0.0 31.2





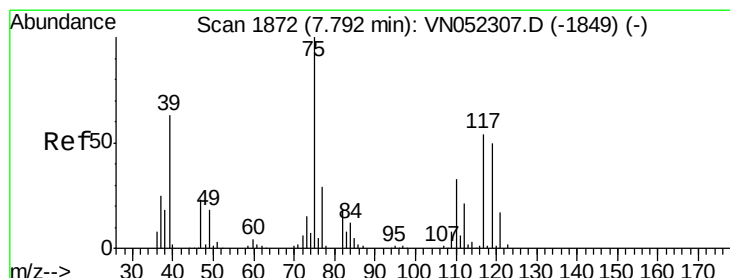
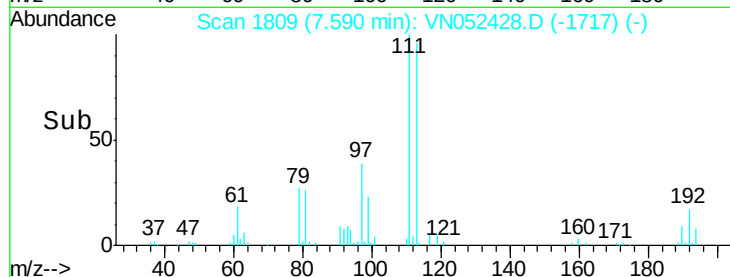
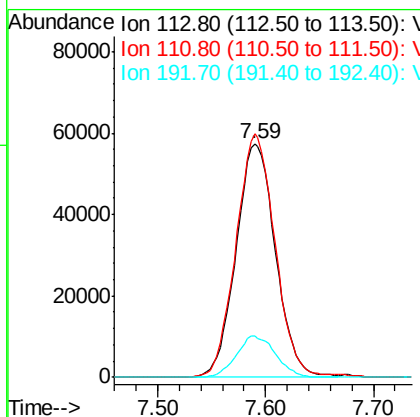
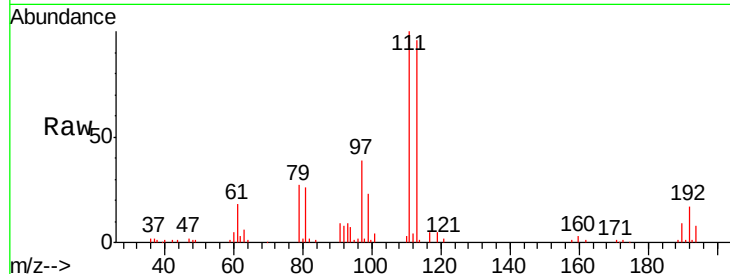
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	146070		
111	103.6	81.0	121.6	
192	17.7	13.8	20.6	

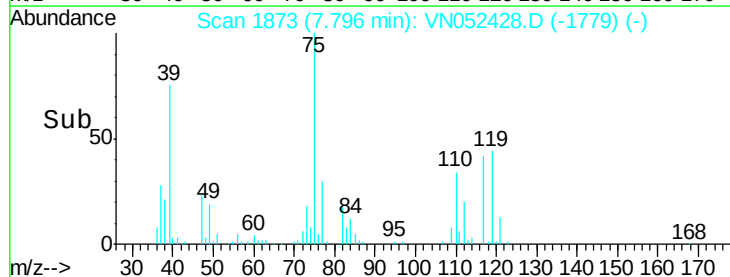
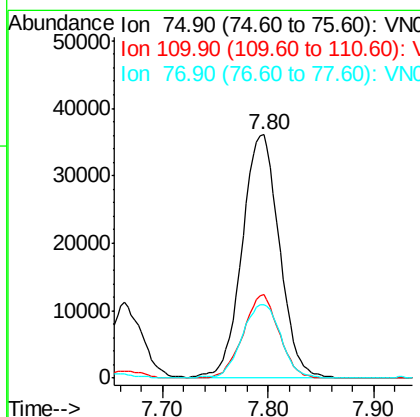
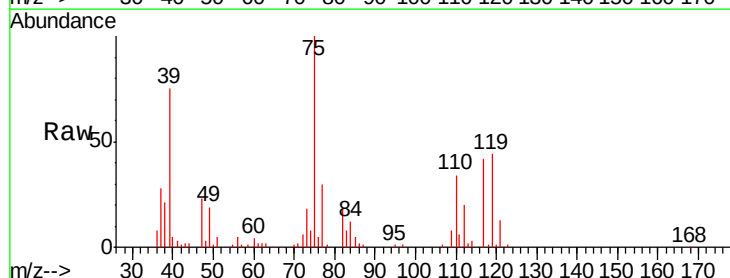
Manual Integrations
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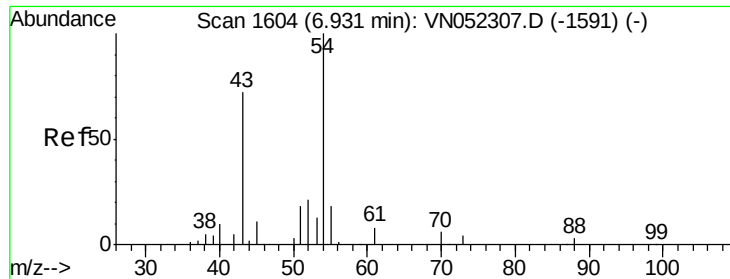
MMDadoda
 11/26/2018 4:56:31 PM



#36
 1,1-Dichloropropene
 Concen: 20.18 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	88885		
110	32.8	16.5	49.5	
77	31.6	24.2	36.2	





#37

Ethyl Acetate

Concen: 18.35 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

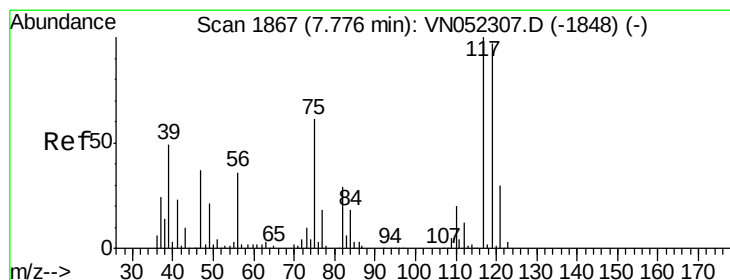
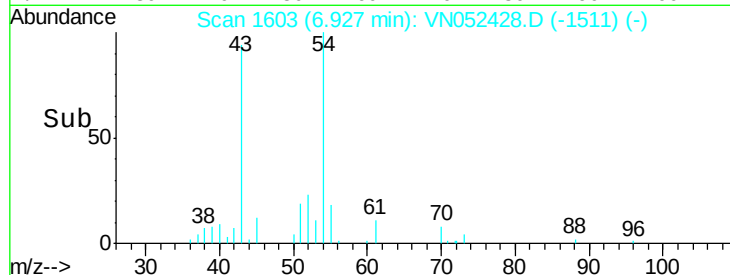
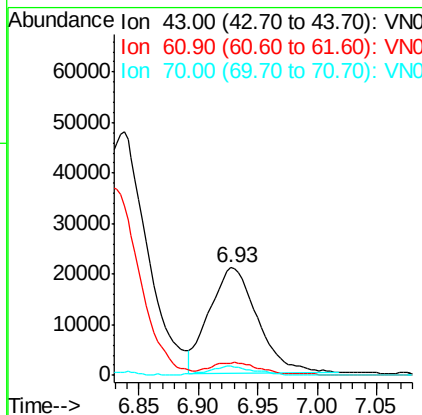
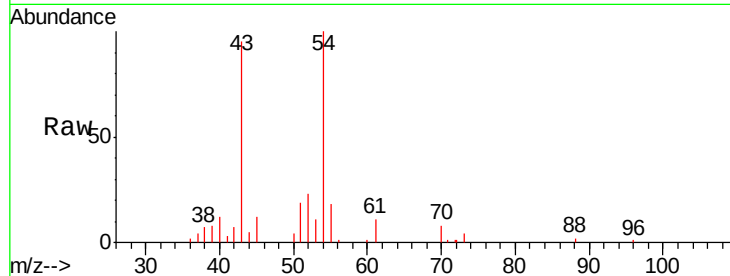
ClientSampleId :

VN1121WBS01

Tgt Ion:	43	Resp:	58661
Ion	Ratio	Lower	Upper
43	100		
61	11.0	10.3	15.5
70	8.1	5.6	8.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 21.50 ug/l

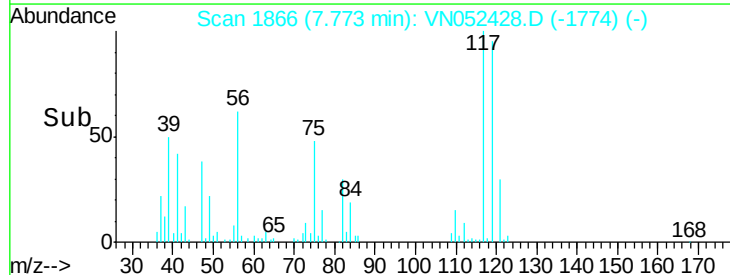
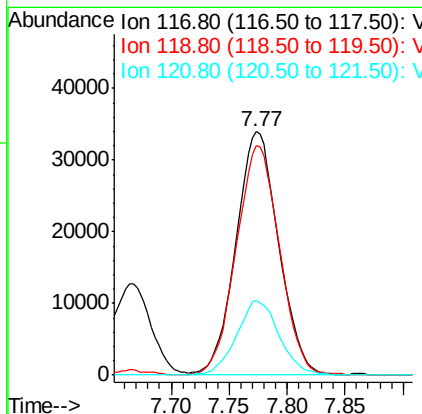
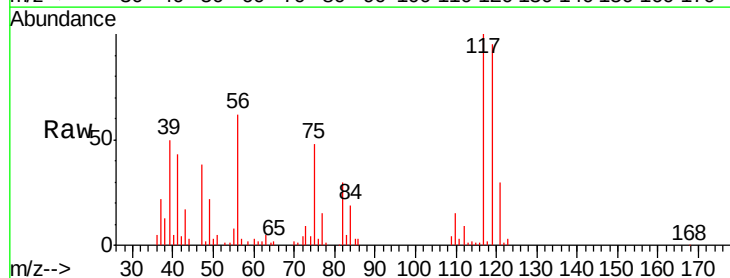
RT: 7.77 min Scan# 1866

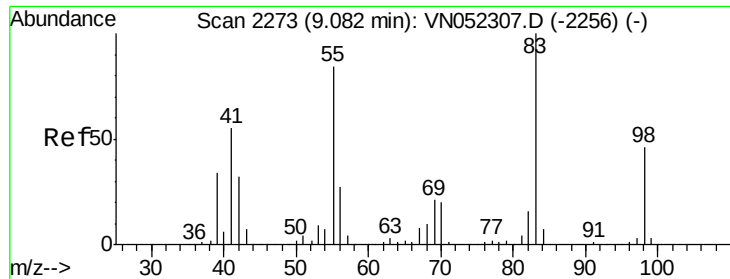
Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Tgt Ion:	117	Resp:	86989
Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.4	116.0
121	30.5	24.0	36.0





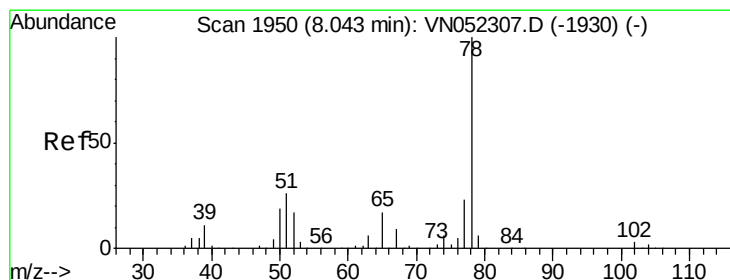
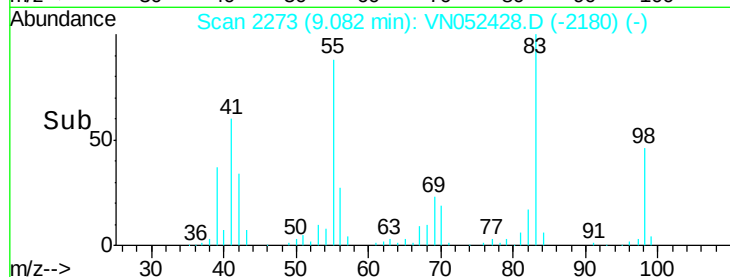
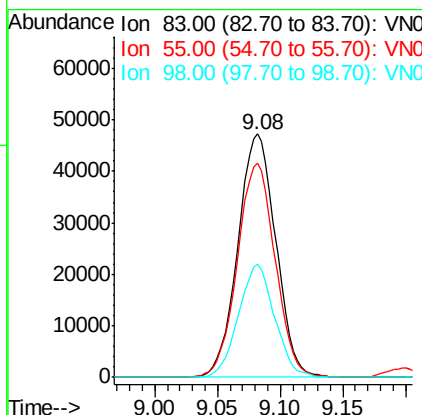
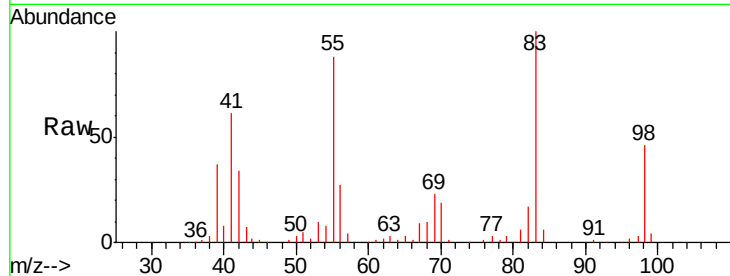
#39
Methylcyclohexane
Concen: 19.75 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	88.1	66.8	100.2
98	46.3	36.4	54.6

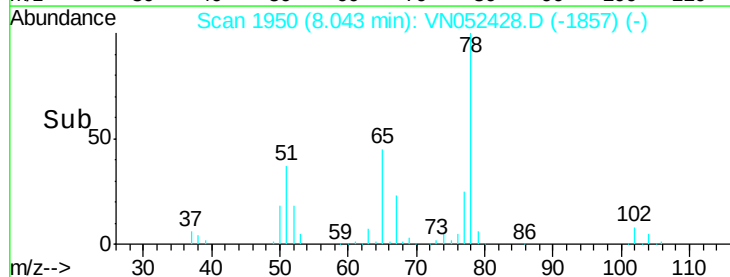
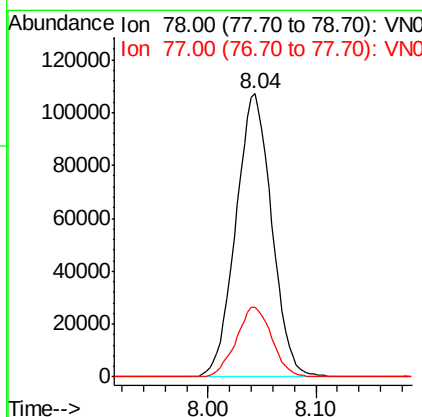
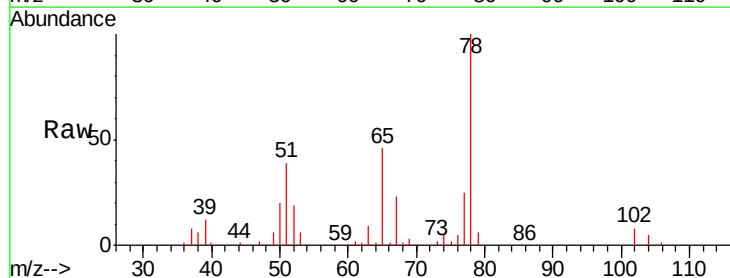
Manual Integrations
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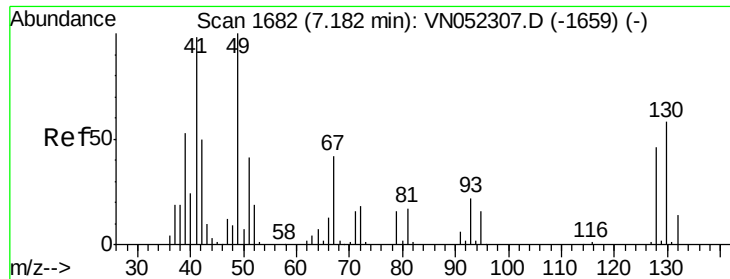
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#40
Benzene
Concen: 19.74 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.7	28.1





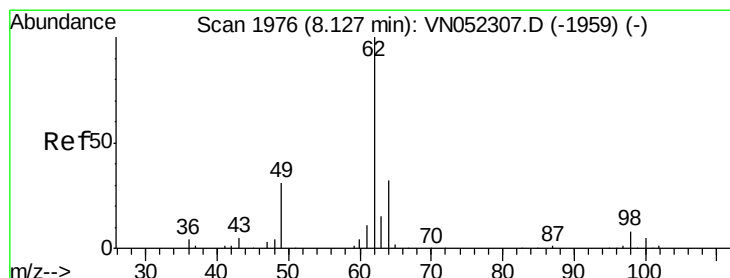
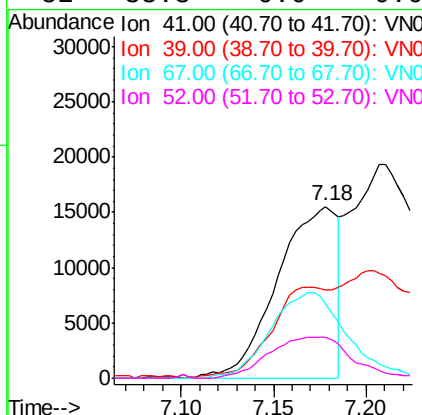
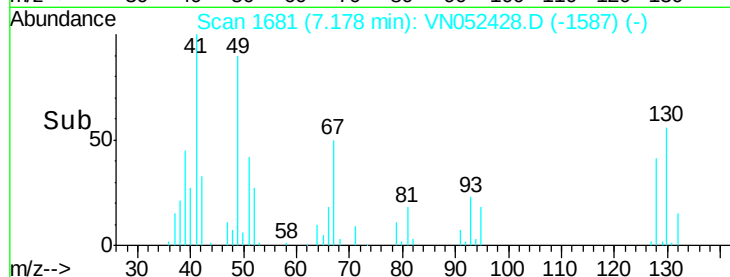
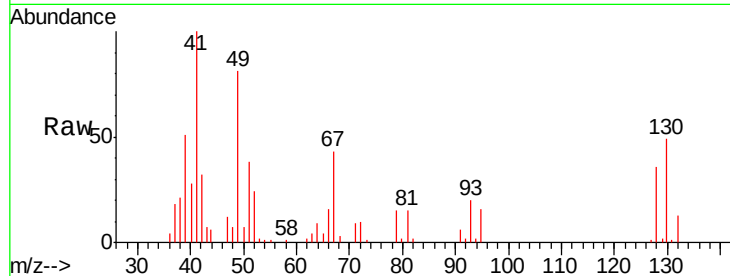
#41
Methacrylonitrile
Concen: 21.88 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	46.2	0.0	0.0#
67	63.5	0.0	0.0#
52	33.3	0.0	0.0#

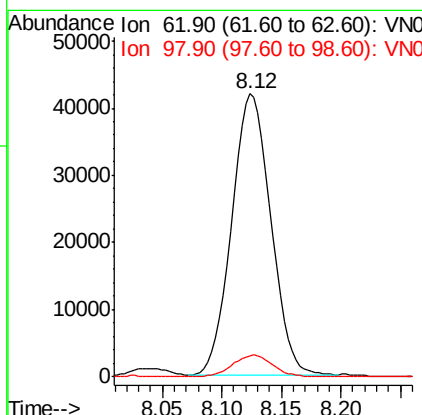
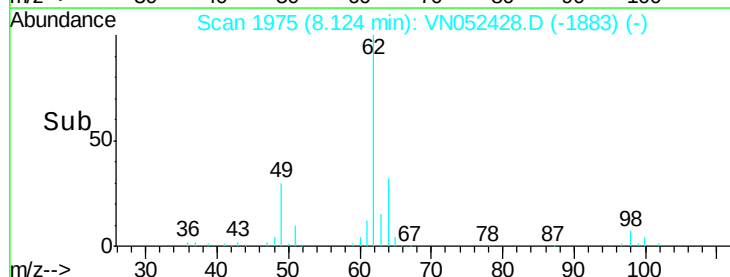
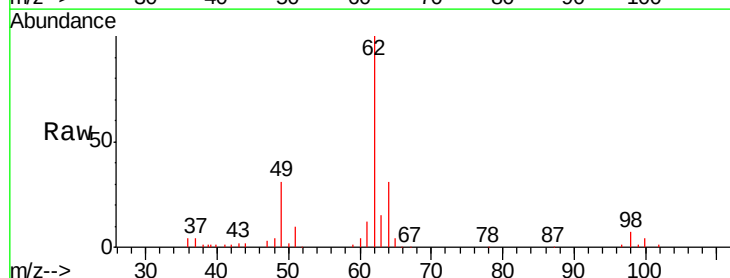
Manual Integrations
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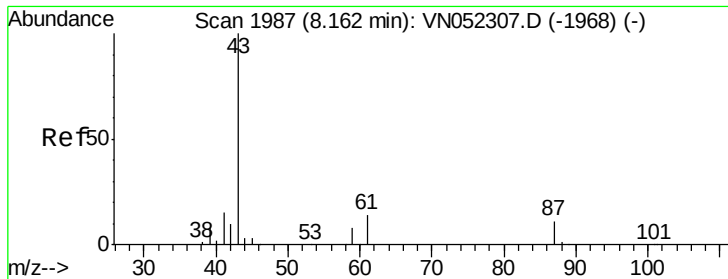
MMDadoda
11/26/2018 4:56:31 PM



#42
1,2-Dichloroethane
Concen: 21.25 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.6





#43

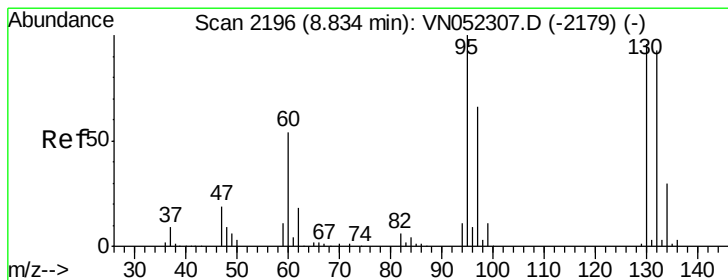
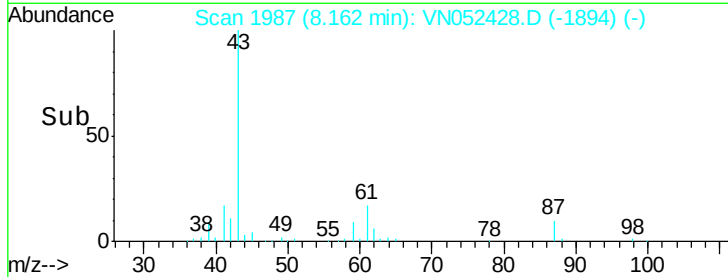
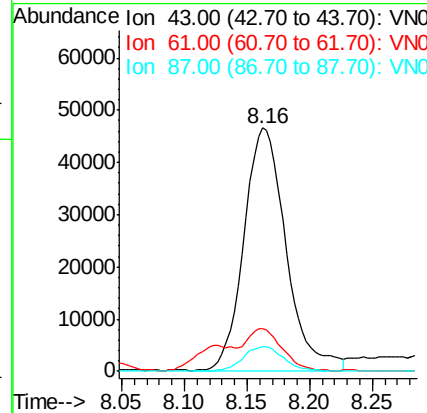
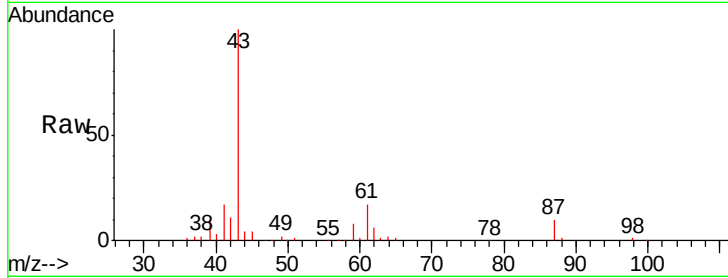
Isopropyl Acetate
 Concen: 17.60 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.0	18.0
87	9.9	8.3	12.5

Manual Integrations
 APPROVED

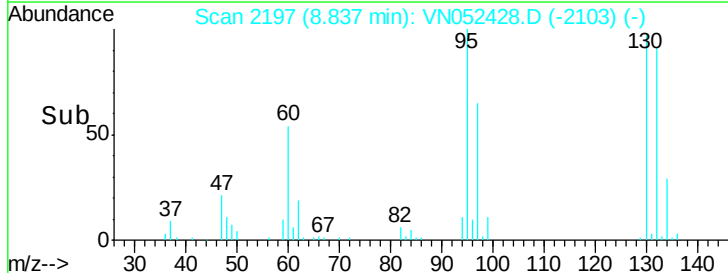
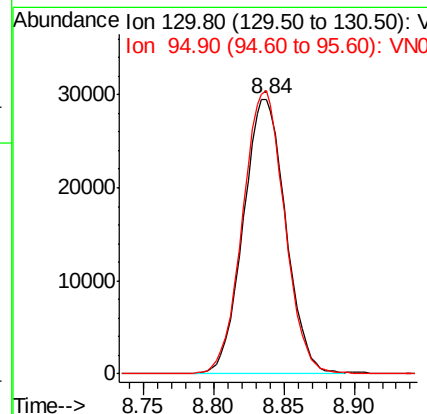
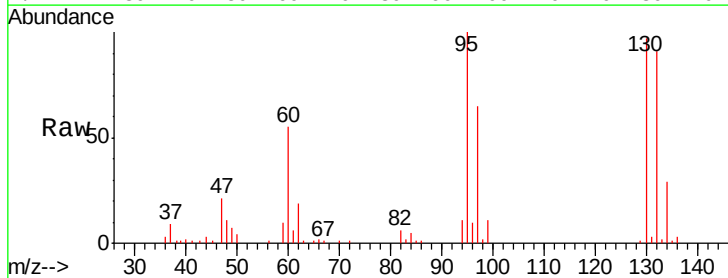
MMDadoda
 11/26/2018 4:56:31 PM

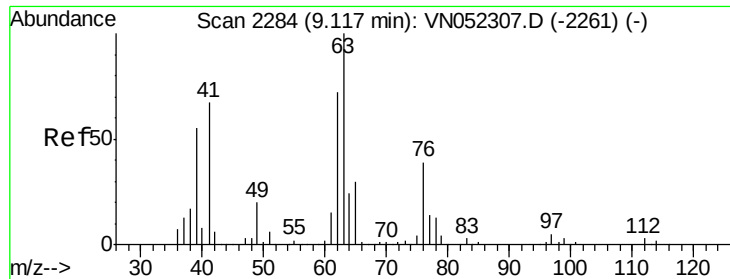


#44

Trichloroethene
 Concen: 20.02 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	208.4





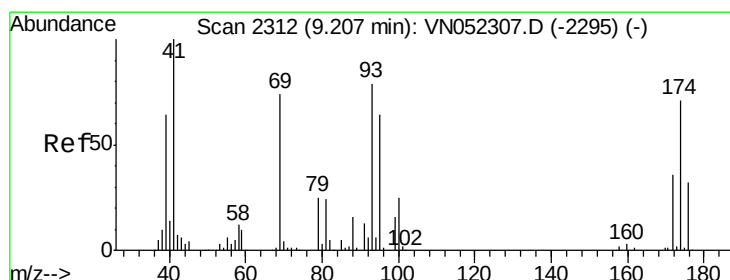
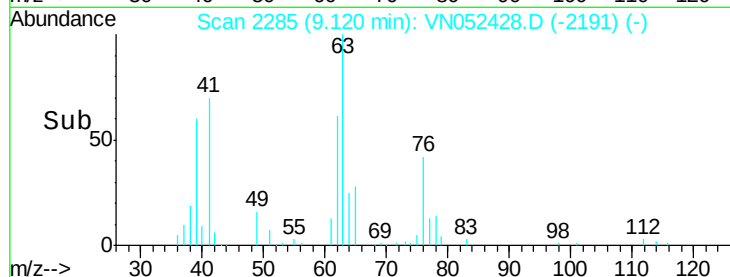
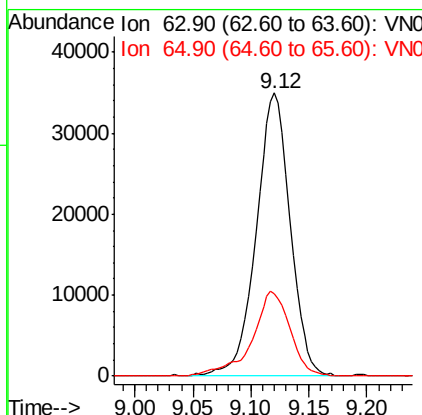
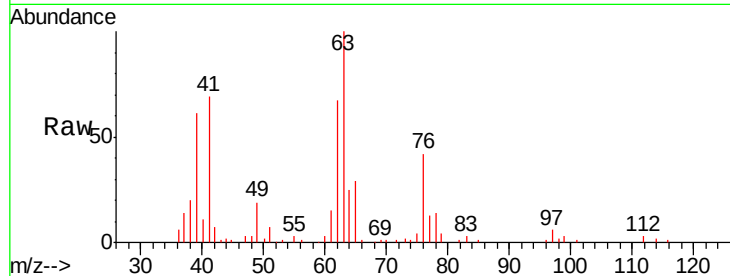
#45
 1,2-Dichloropropane
 Concen: 19.96 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBS01

Tgt Ion: 63 Resp: 71273
 Ion Ratio Lower Upper
 63 100
 65 29.2 24.2 36.4

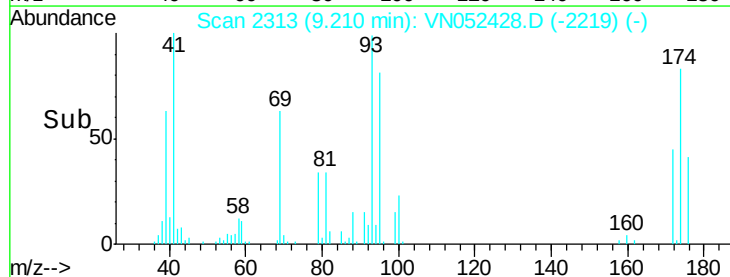
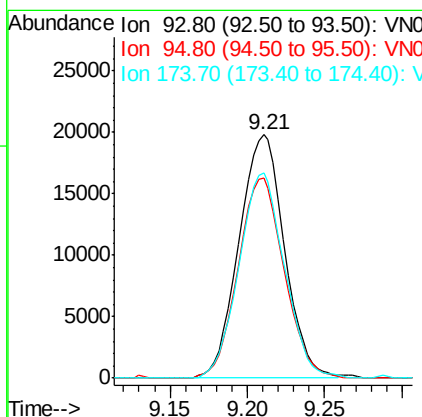
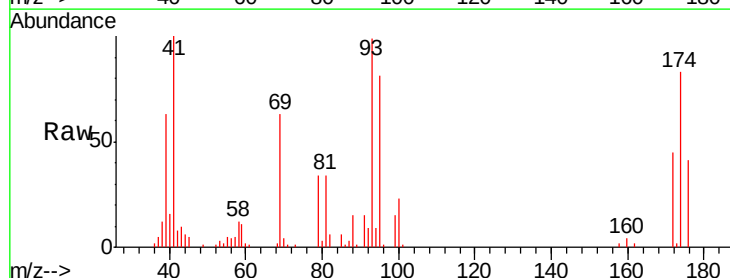
Manual Integrations
 APPROVED

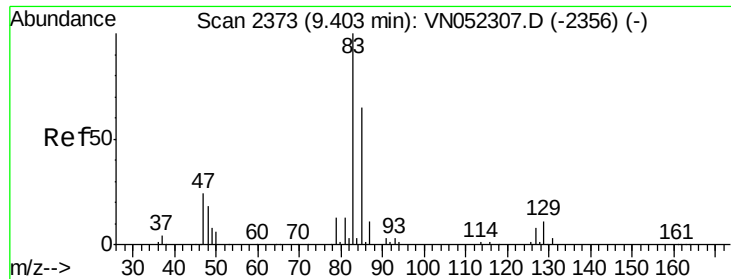
MMDadoda
 11/26/2018 4:56:31 PM



#46
 Dibromomethane
 Concen: 19.61 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion: 93 Resp: 40542
 Ion Ratio Lower Upper
 93 100
 95 83.1 64.2 96.2
 174 84.1 70.9 106.3





#47

Bromodichloromethane

Concen: 21.24 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

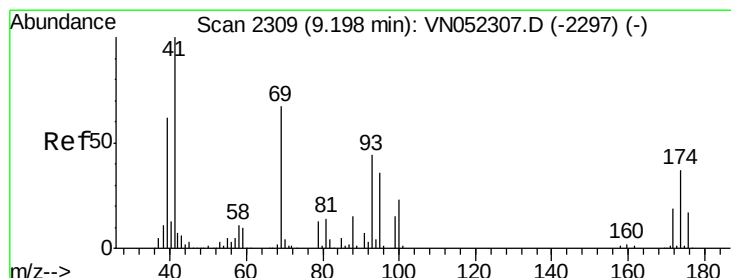
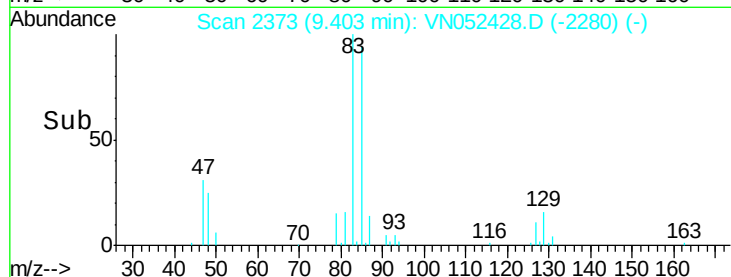
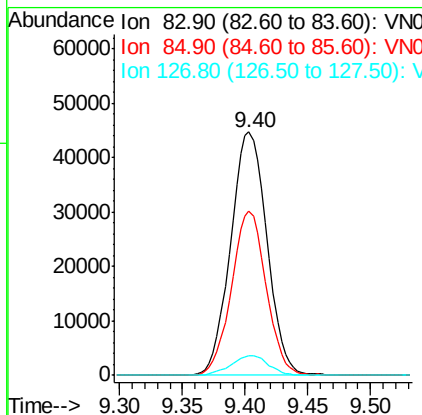
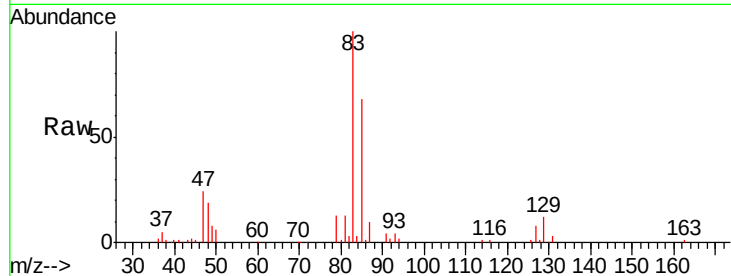
ClientSampleId :

VN1121WBS01

Tgt Ion:	83	Resp:	90100
Ion	Ratio	Lower	Upper
83	100		
85	67.7	52.2	78.4
127	7.8	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
11/26/2018 4:56:31 PM



#48

Methyl methacrylate

Concen: 17.60 ug/l

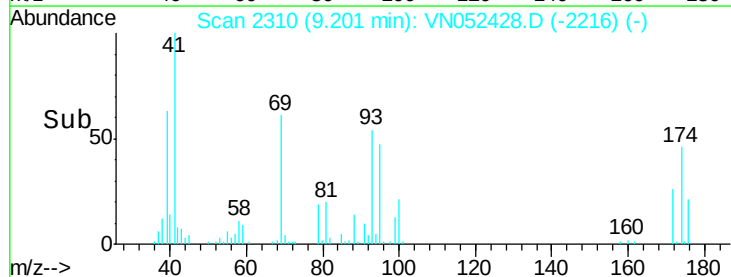
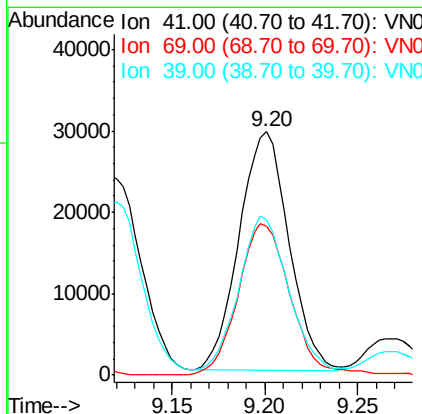
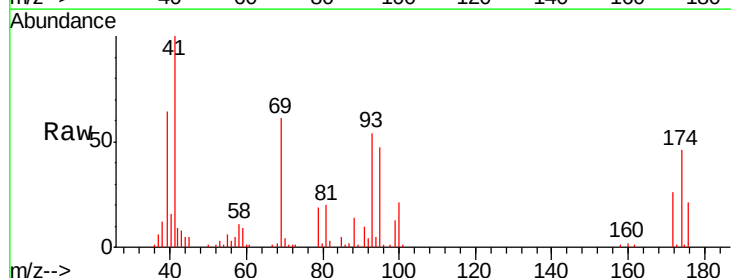
RT: 9.20 min Scan# 2310

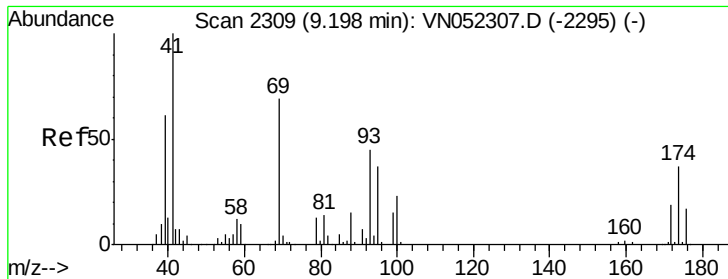
Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Tgt Ion:	41	Resp:	55096
Ion	Ratio	Lower	Upper
41	100		
69	66.3	57.1	85.7
39	62.9	52.5	78.7





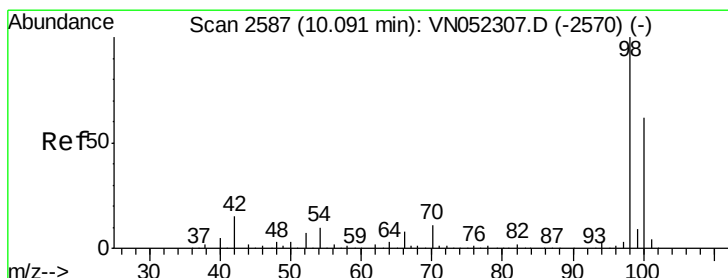
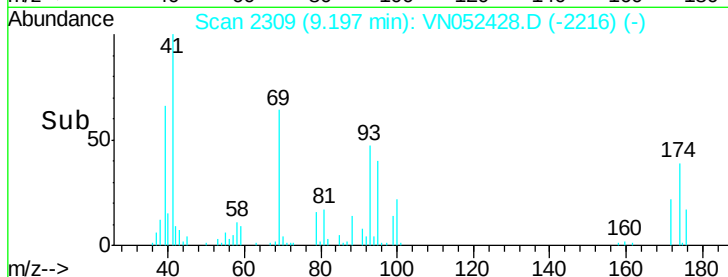
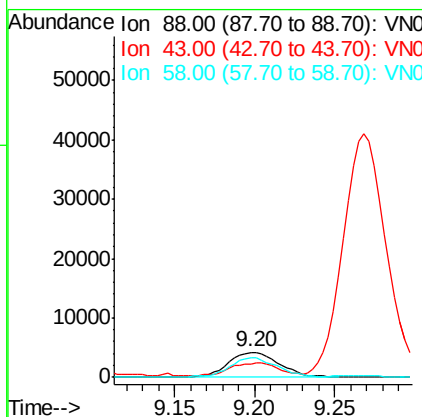
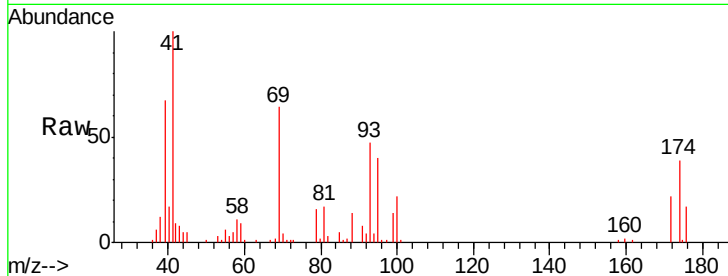
#49
1,4-Dioxane
Concen: 381.00 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	46.9	33.3	49.9
58	73.8	59.2	88.8

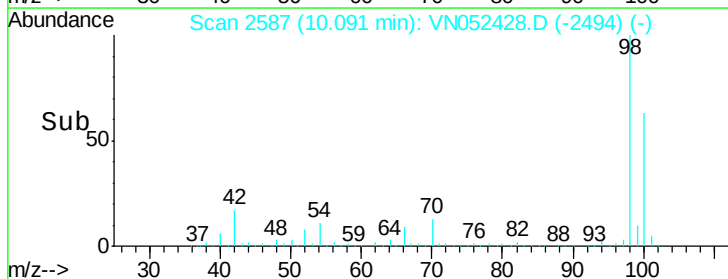
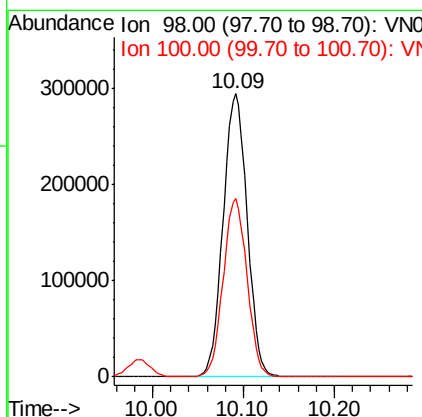
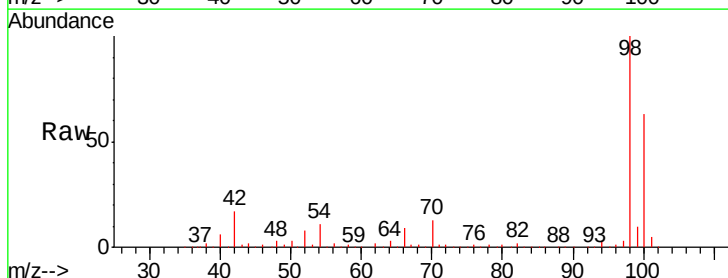
Manual Integrations
APPROVED

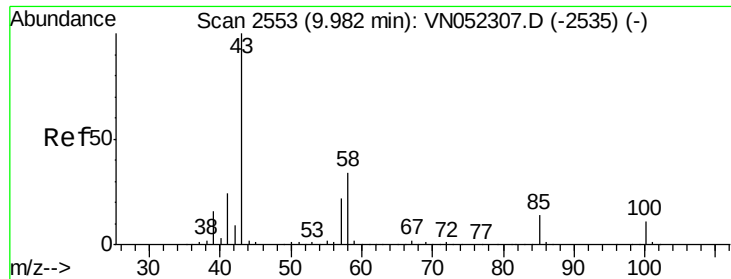
MMDadoda
11/26/2018 4:56:31 PM



#50
Toluene-d8
Concen: 381.00 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.0	49.5	74.3





#51

4-Methyl-2-Pentanone

Concen: 93.91 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121WBS01

Tgt Ion: 43 Resp: 291571

Ion Ratio Lower Upper

43 100

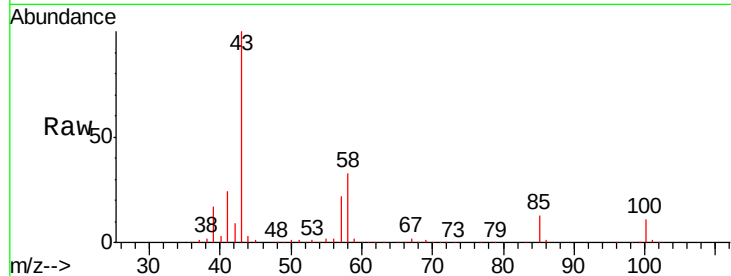
58 33.1 27.0 40.6

Manual Integrations

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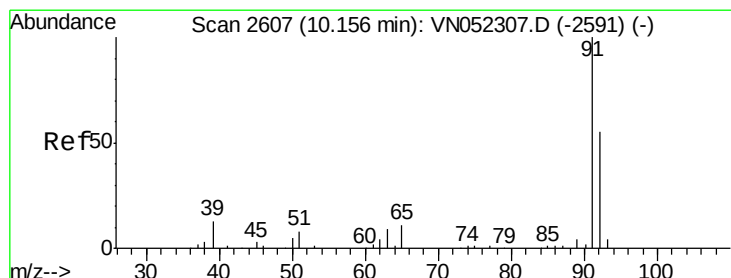
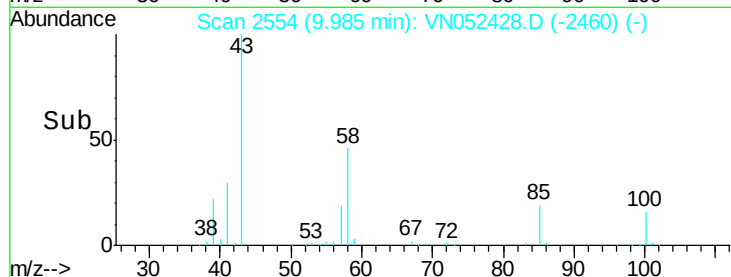
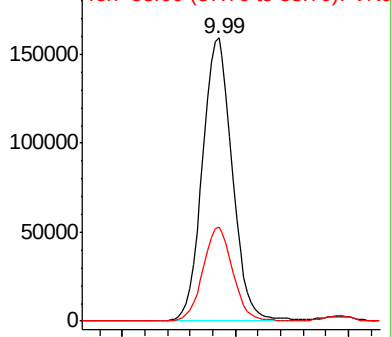
MMDadoda

11/26/2018 4:56:31 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.79 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052428.D

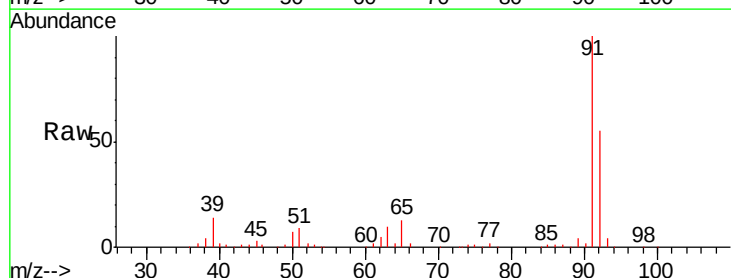
Acq: 21 Nov 2018 10:44

Tgt Ion: 92 Resp: 148925

Ion Ratio Lower Upper

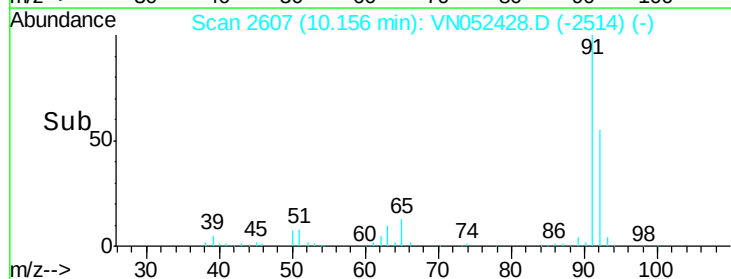
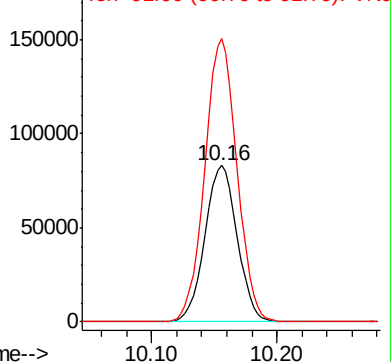
92 100

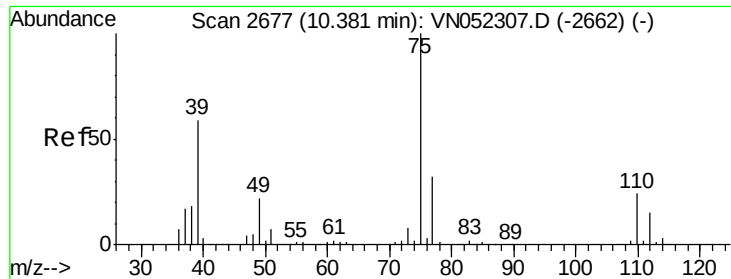
91 179.9 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





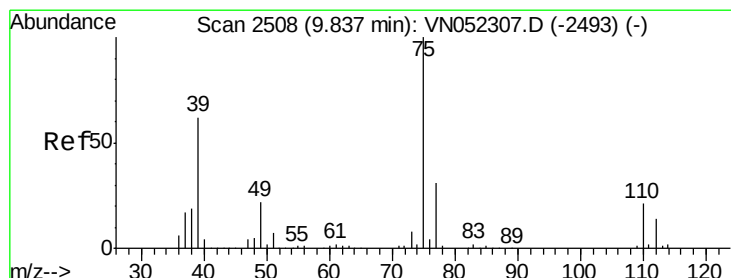
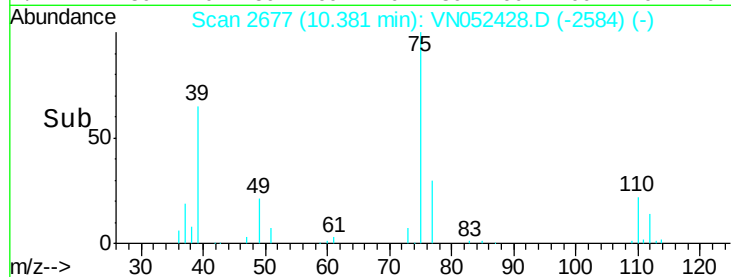
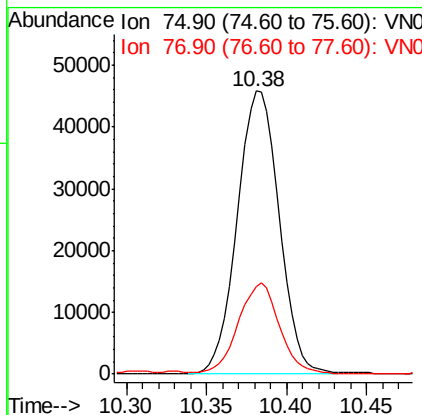
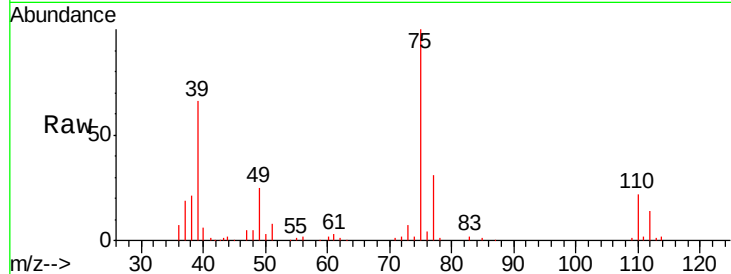
#53
 t-1,3-Dichloropropene
 Concen: 19.19 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBS01

Tgt Ion: 75 Resp: 82095
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.7 38.5

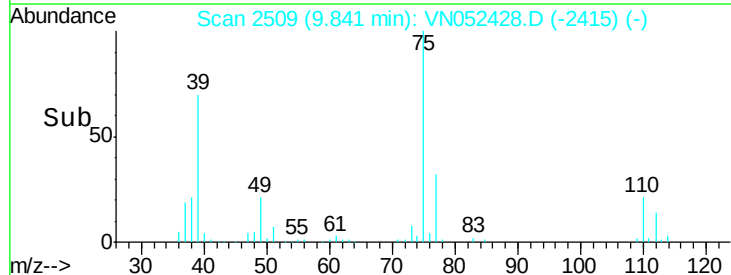
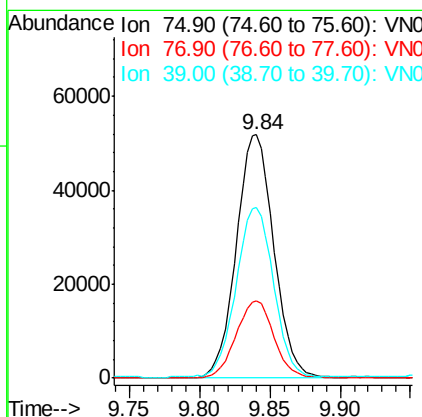
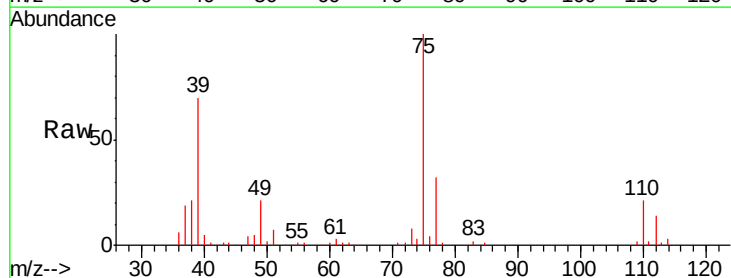
Manual Integrations
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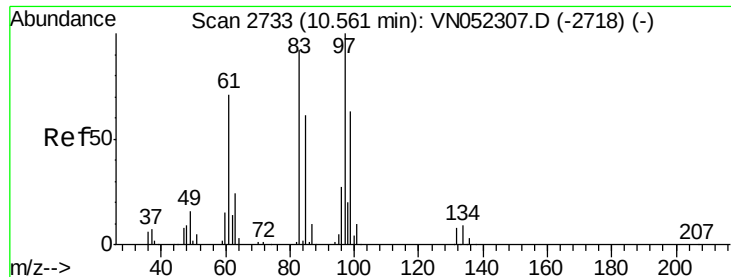
MMDadoda
 11/26/2018 4:56:31 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.83 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion: 75 Resp: 96701
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.6 36.8
 39 69.7 49.9 74.9





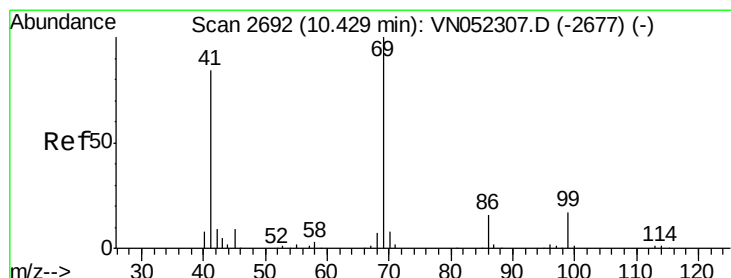
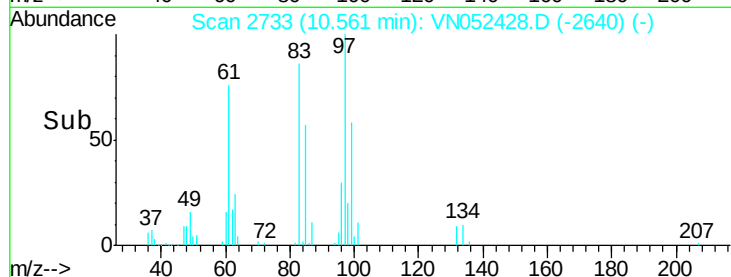
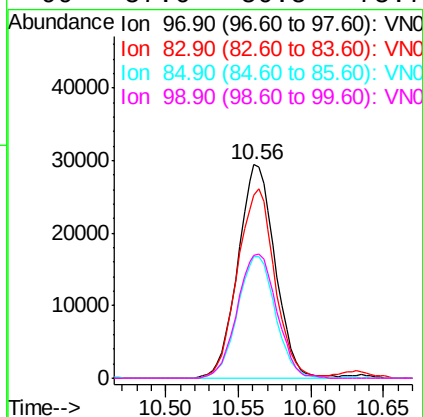
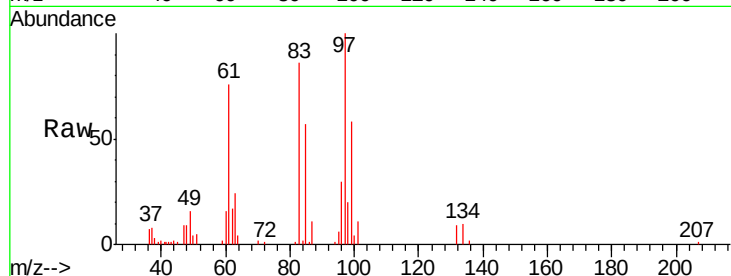
#55
 1,1,2-Trichloroethane
 Concen: 19.34 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.9	73.8	110.6
85	56.7	49.0	73.4
99	57.6	50.5	75.7

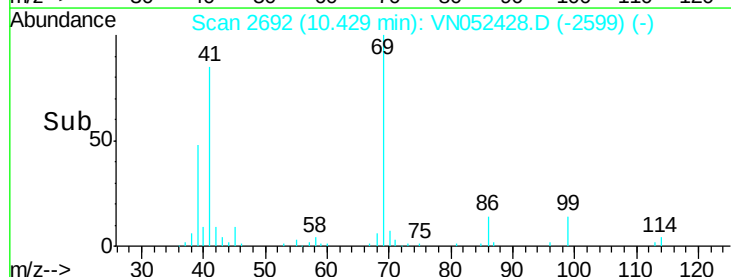
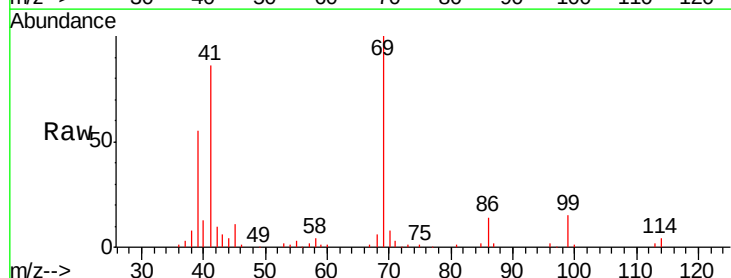
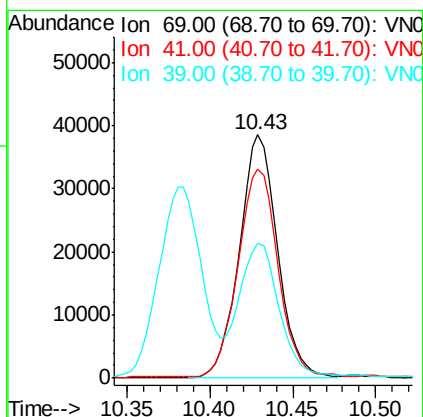
Manual Integrations
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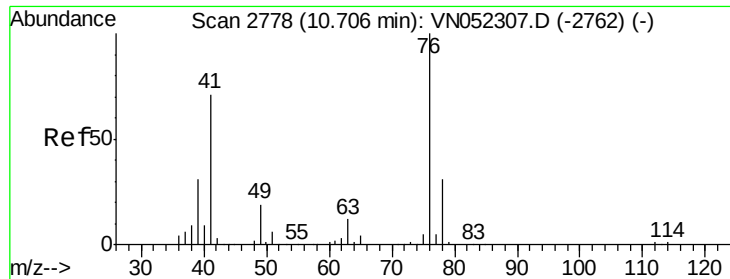
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 11/26/2018 4:56:31 PM



#56
 Ethyl methacrylate
 Concen: 17.23 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	88.1	64.8	97.2
39	56.8	41.0	61.6





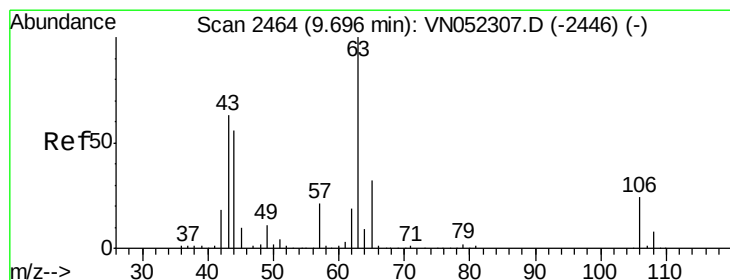
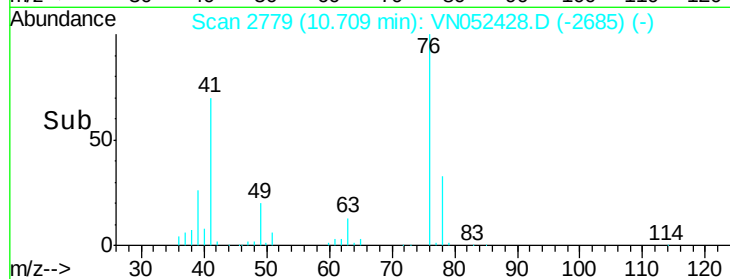
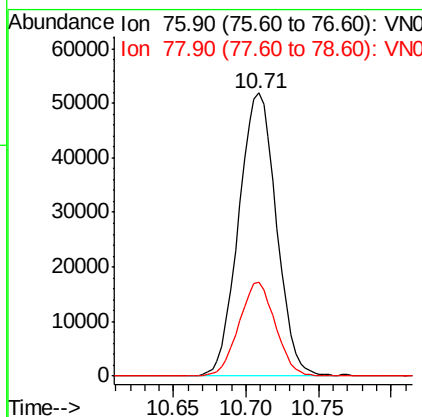
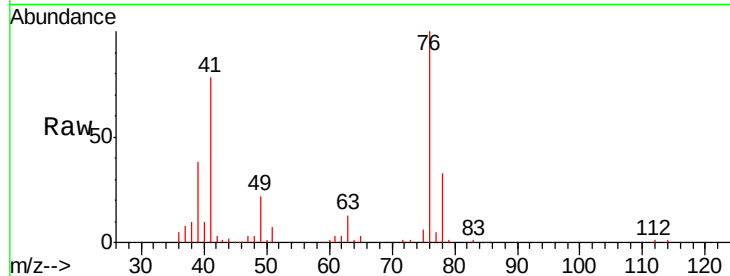
#57
 1,3-Dichloropropane
 Concen: 19.44 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBS01

Tgt Ion: 76 Resp: 93951
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

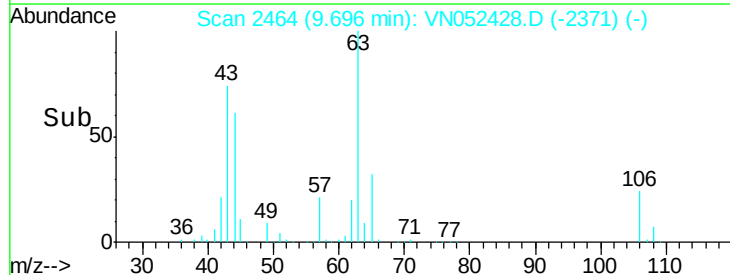
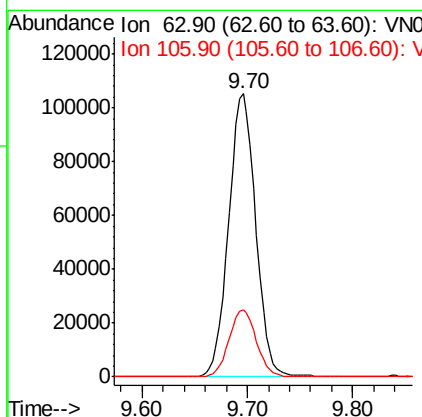
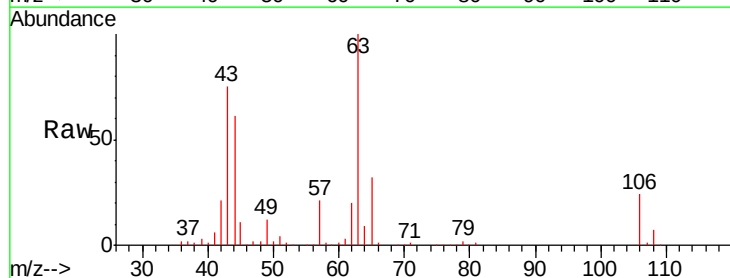
Manual Integrations
 APPROVED

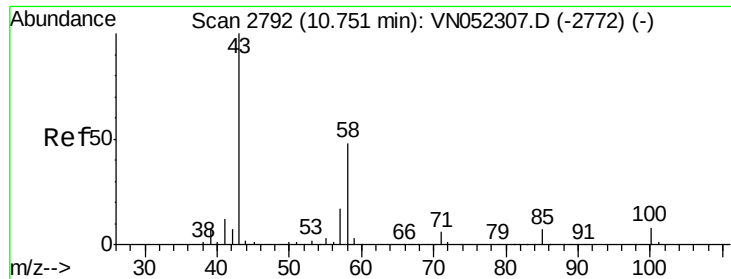
MMDadoda
 11/26/2018 4:56:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.57 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion: 63 Resp: 187083
 Ion Ratio Lower Upper
 63 100
 106 23.9 19.3 28.9





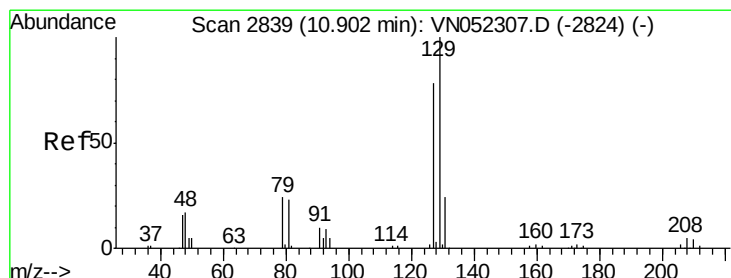
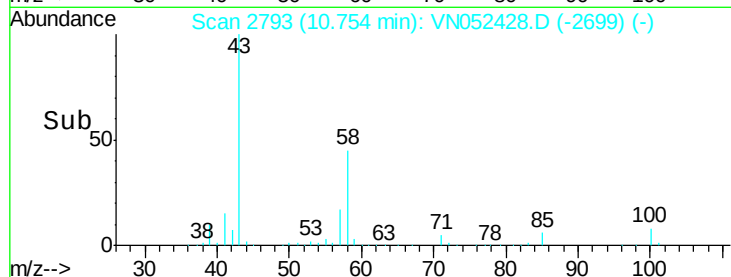
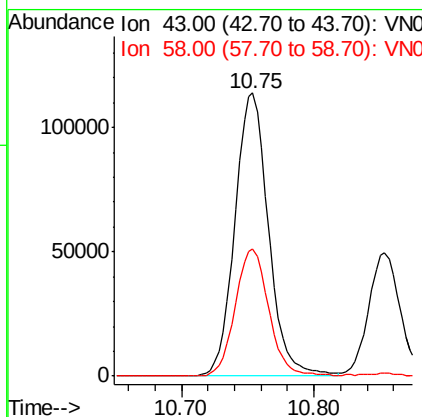
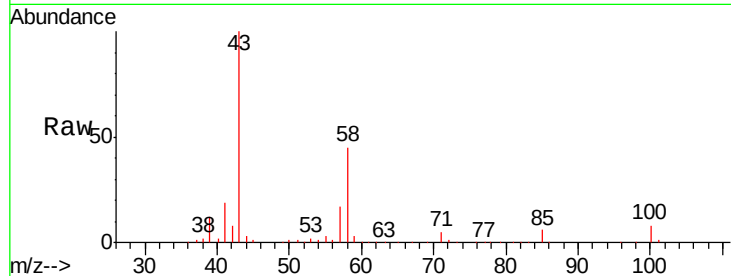
#59
2-Hexanone
Concen: 93.13 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBS01

Tgt Ion: 43 Resp: 198884
Ion Ratio Lower Upper
43 100
58 45.4 23.5 70.6

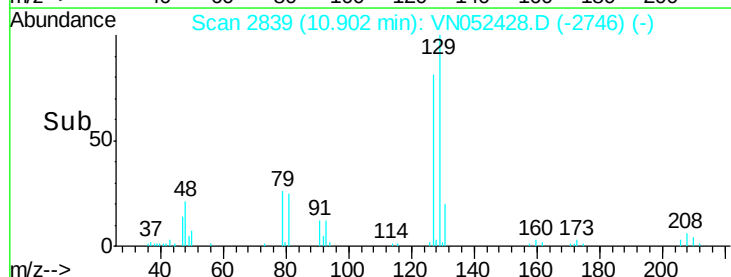
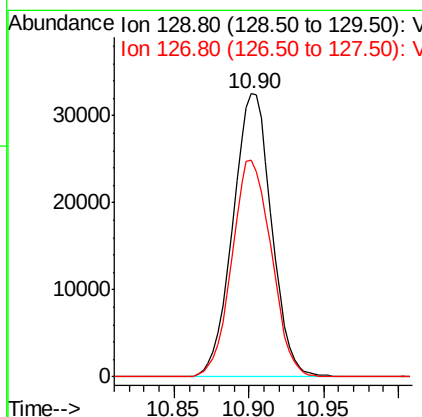
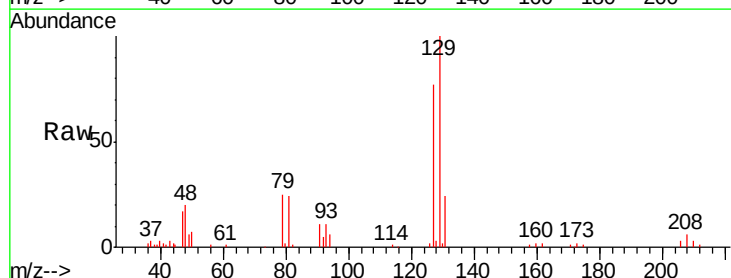
Manual Integrations
APPROVED

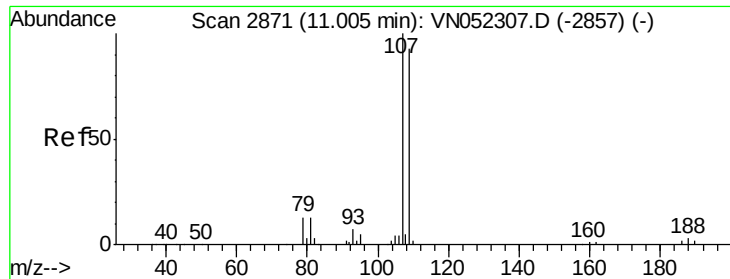
MMDadoda
11/26/2018 4:56:31 PM



#60
Dibromochloromethane
Concen: 19.85 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion: 129 Resp: 58612
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5





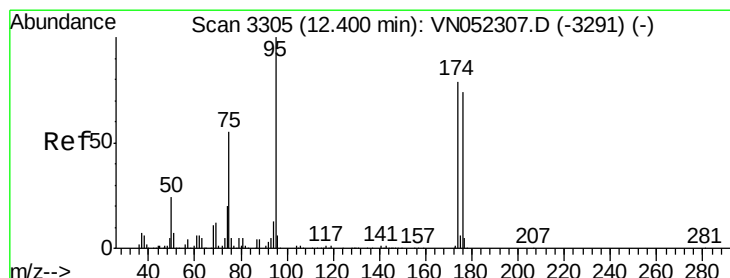
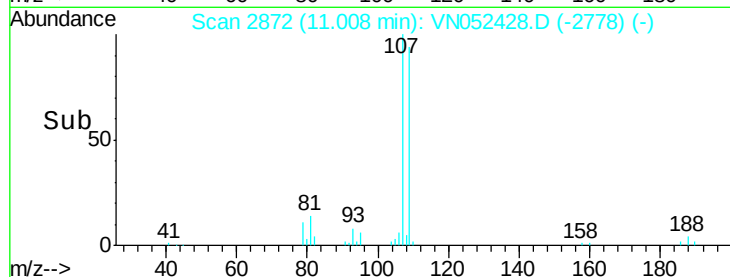
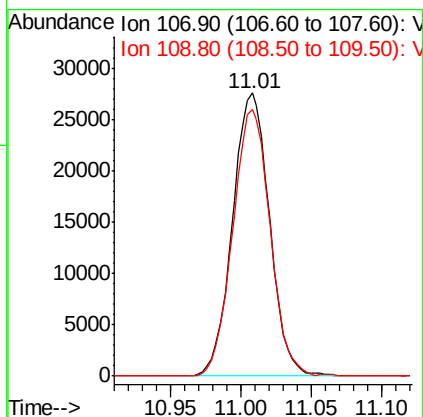
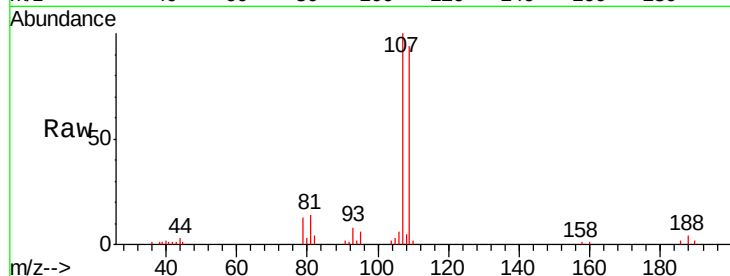
#61
 1,2-Dibromoethane
 Concen: 18.65 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBS01

Tgt Ion: 107 Resp: 50697
 Ion Ratio Lower Upper
 107 100
 109 94.8 74.9 112.3

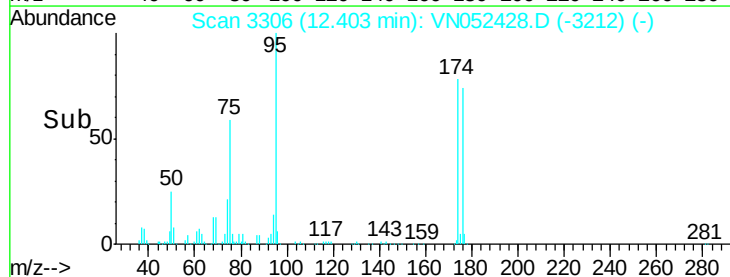
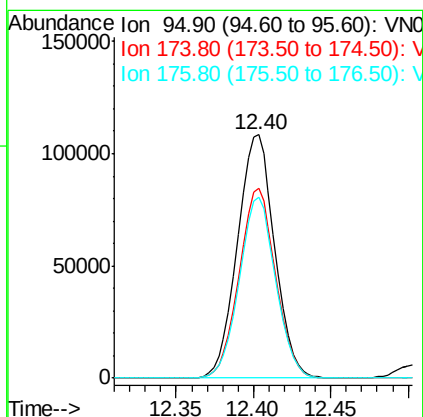
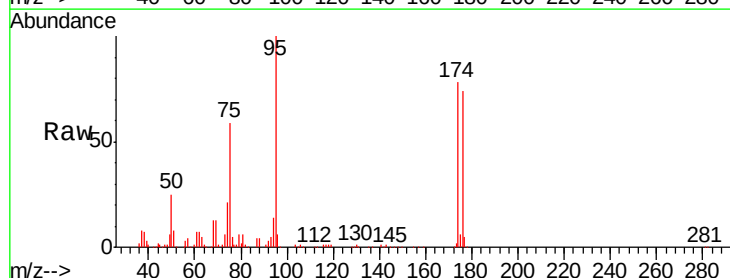
Manual Integrations
 APPROVED

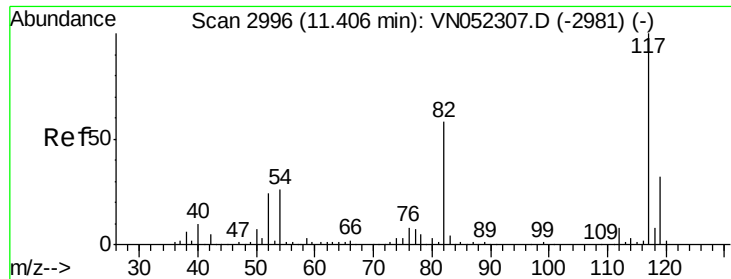
MMDadoda
 11/26/2018 4:56:31 PM



#62
 4-Bromofluorobenzene
 Concen: 18.65 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion: 95 Resp: 181070
 Ion Ratio Lower Upper
 95 100
 174 76.6 0.0 156.0
 176 72.7 0.0 148.4





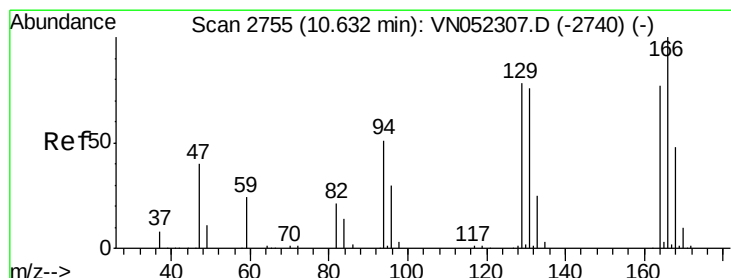
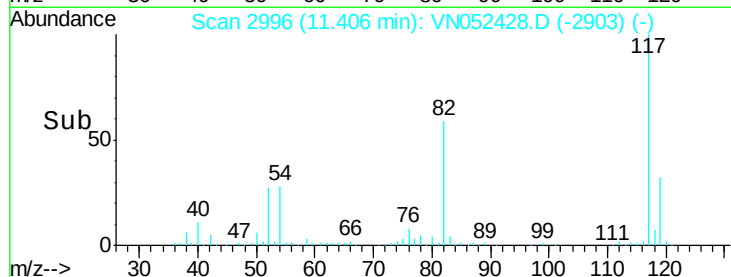
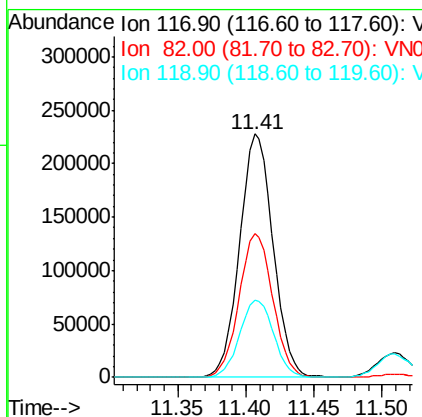
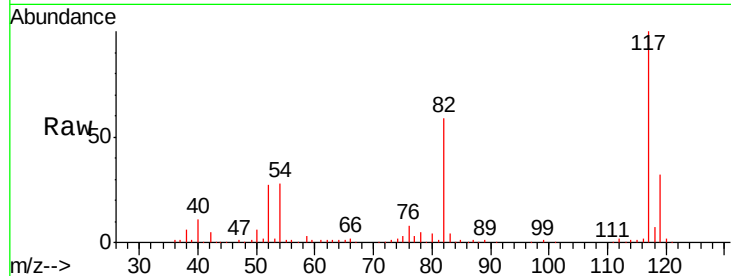
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.5	69.7
119	31.7	25.7	38.5

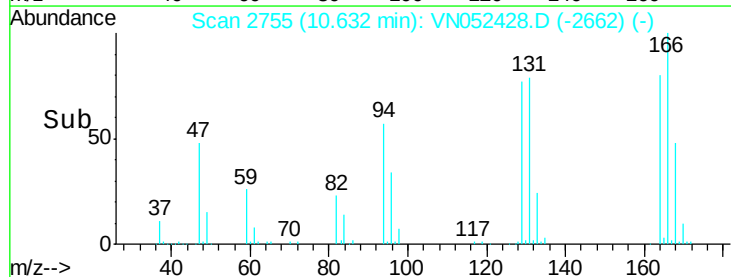
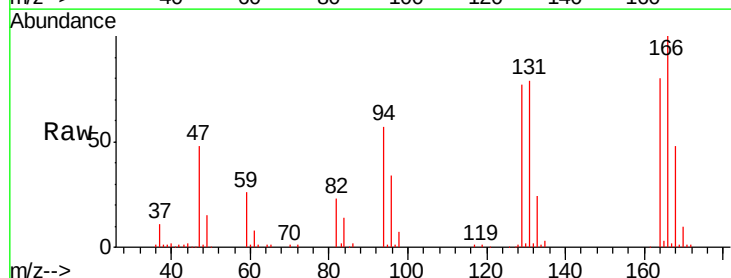
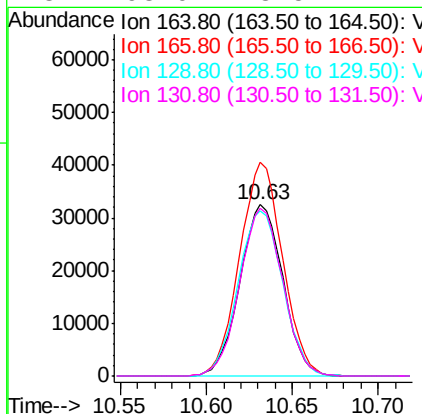
Manual Integrations
APPROVED

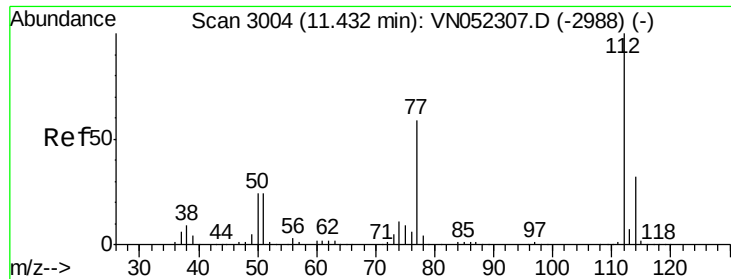
MMDadoda
11/26/2018 4:56:31 PM



#64
Tetrachloroethene
Concen: 20.48 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	103.8	155.6
129	96.6	80.7	121.1
131	98.0	78.5	117.7





#65

Chlorobenzene

Concen: 19.49 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121WBS01

Tgt Ion:112 Resp: 159823

Ion Ratio Lower Upper

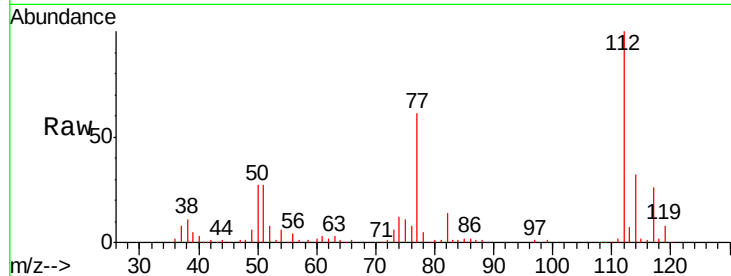
112 100

114 32.0 25.9 38.9

Manual Integrations
APPROVED

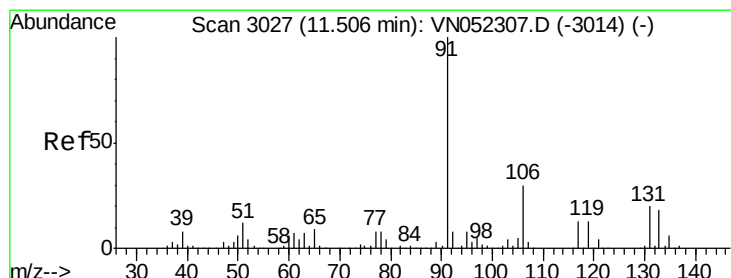
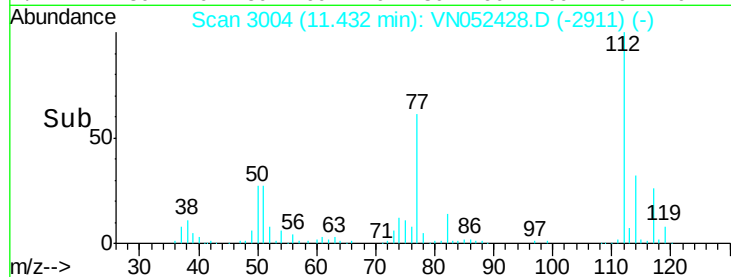
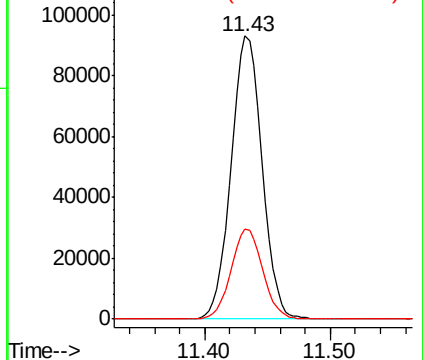
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.23 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

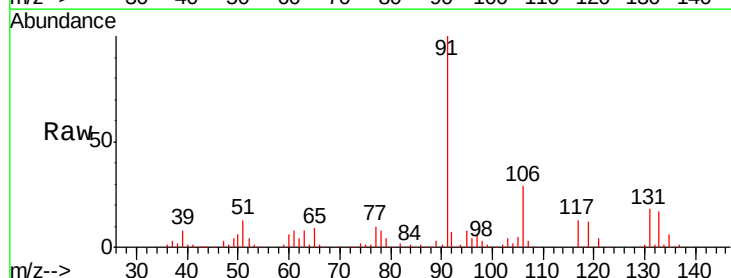
Tgt Ion:131 Resp: 56557

Ion Ratio Lower Upper

131 100

133 95.1 47.4 142.3

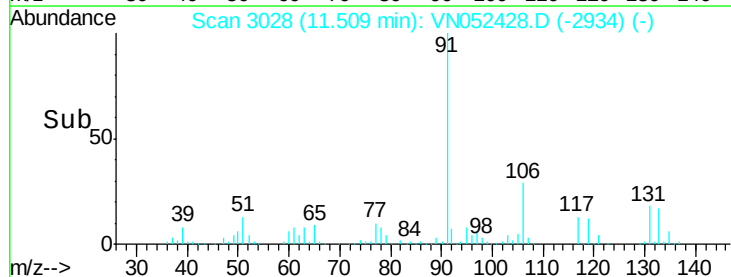
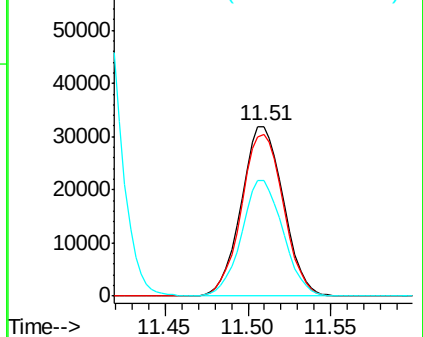
119 67.3 33.3 99.9

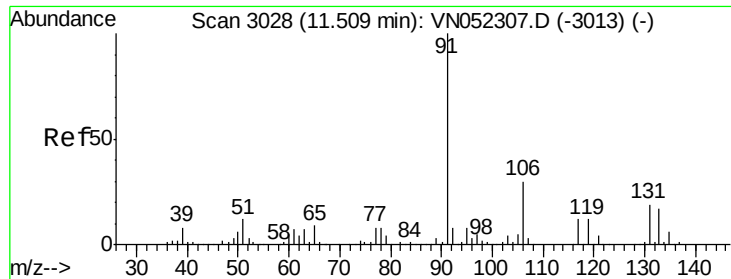


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





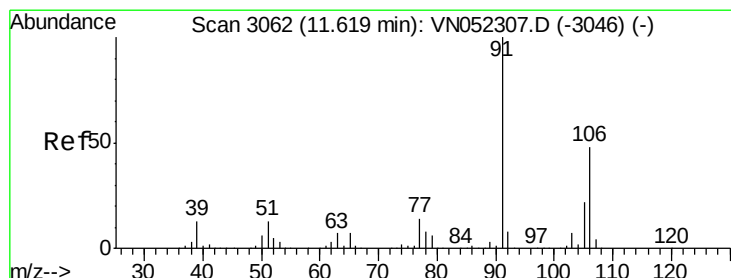
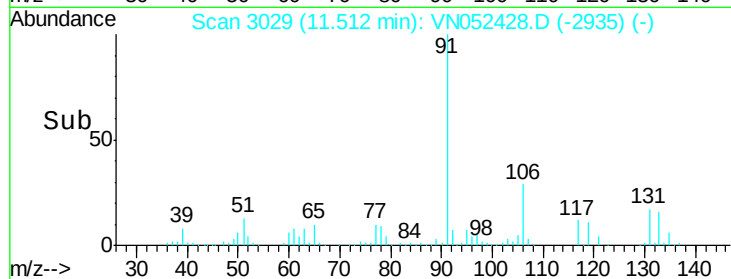
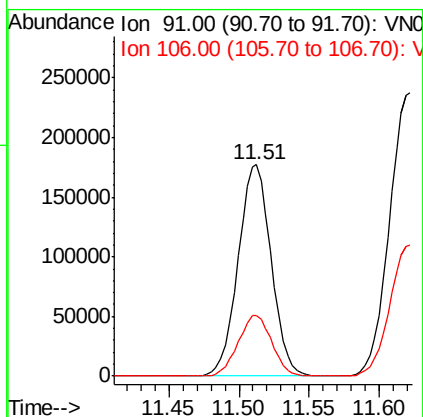
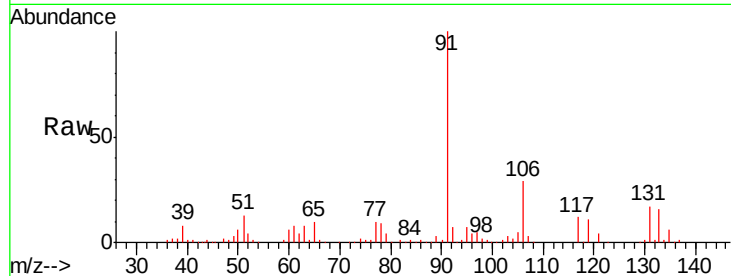
#67
Ethyl Benzene
Concen: 20.45 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBS01

Tgt Ion: 91 Resp: 290992
Ion Ratio Lower Upper
91 100
106 29.0 24.2 36.2

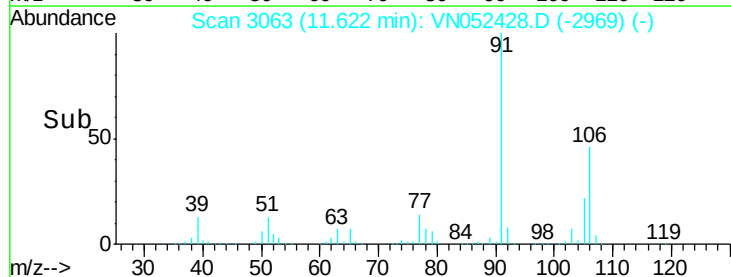
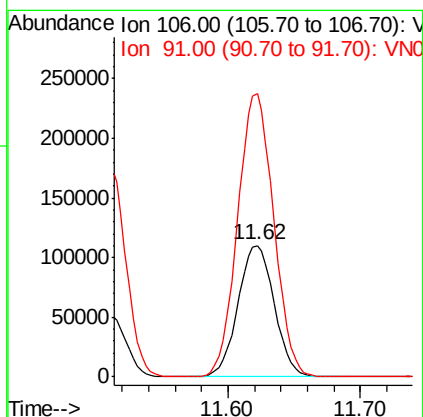
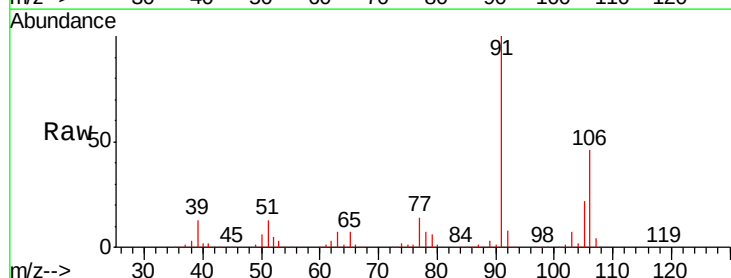
Manual Integrations
APPROVED

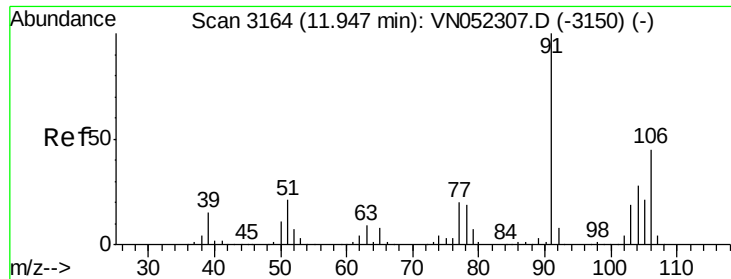
MMDadoda
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#68
m/p-Xylenes
Concen: 40.15 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion: 106 Resp: 208781
Ion Ratio Lower Upper
106 100
91 214.9 165.5 248.3





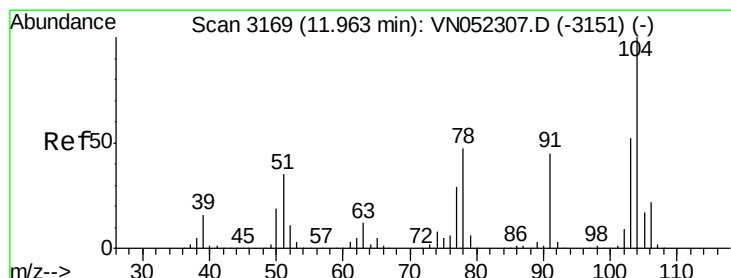
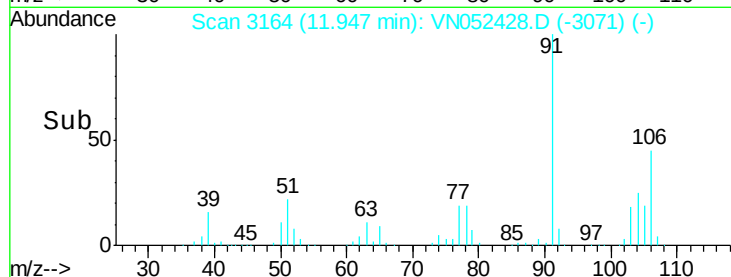
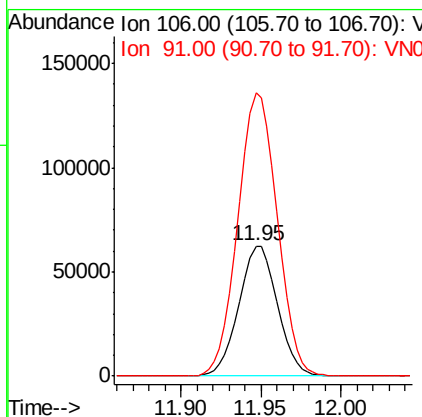
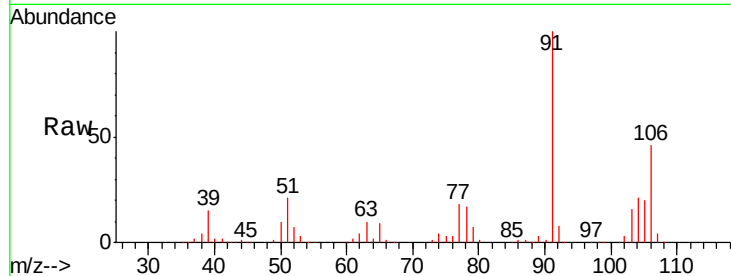
#69
o-Xylene
Concen: 20.58 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampled :
VN1121WBS01

Tgt Ion:106 Resp: 102562
Ion Ratio Lower Upper
106 100
91 221.8 110.0 330.0

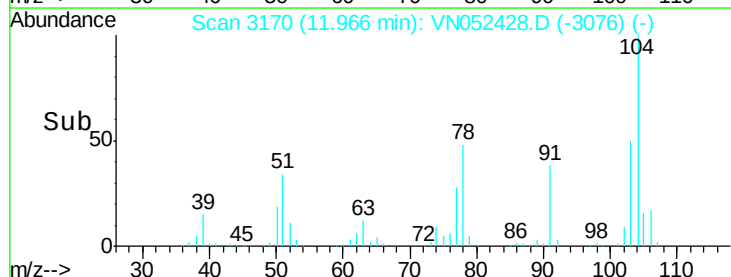
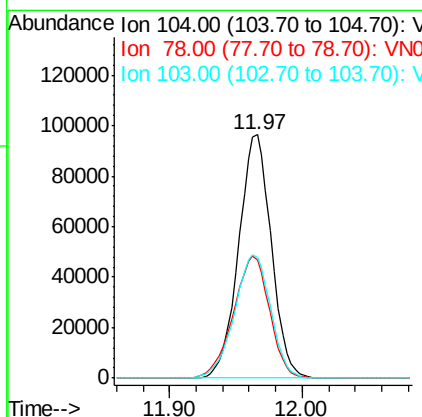
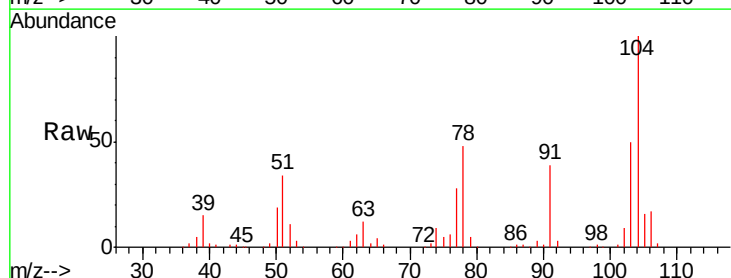
Manual Integrations
APPROVED

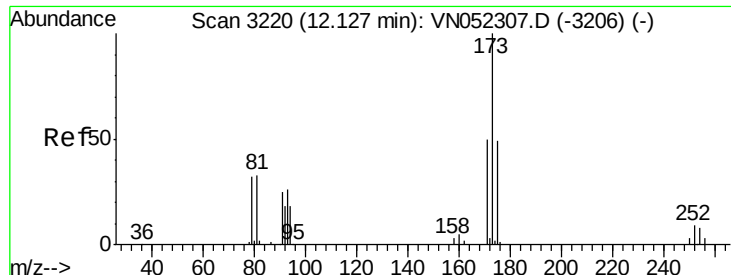
MMDadoda
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#70
Styrene
Concen: 20.63 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion:104 Resp: 164690
Ion Ratio Lower Upper
104 100
78 55.3 42.7 64.1
103 56.3 45.4 68.0





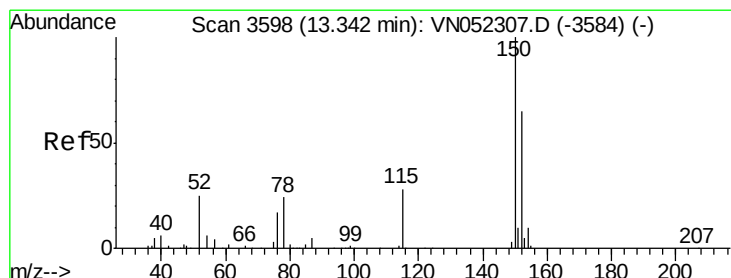
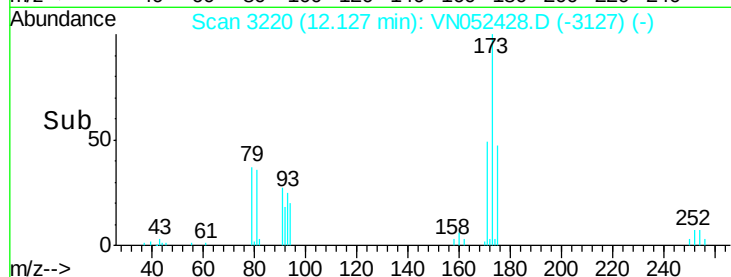
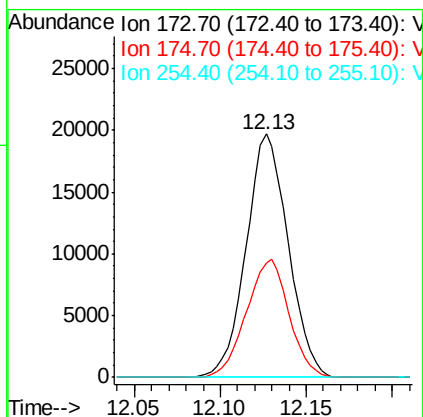
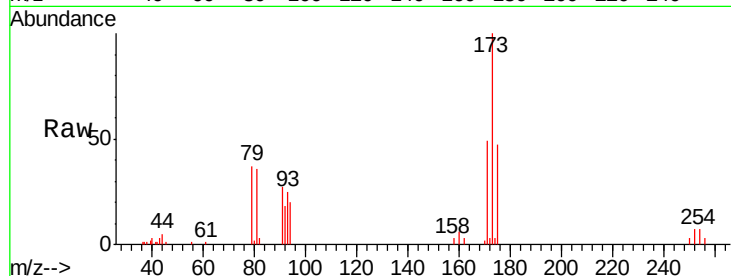
#71
Bromoform
Concen: 20.25 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	25.0	75.0
254	0.0	0.0	0.0

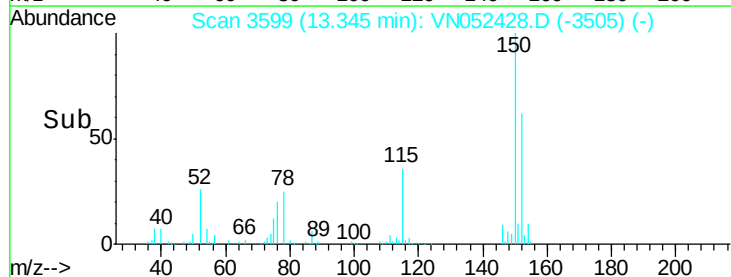
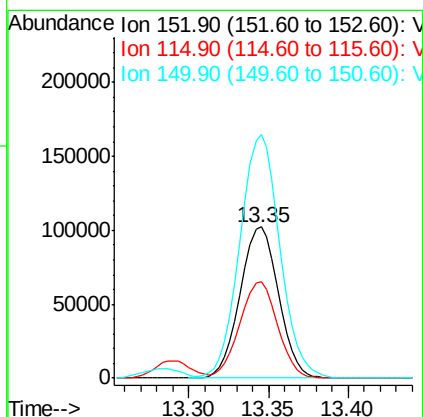
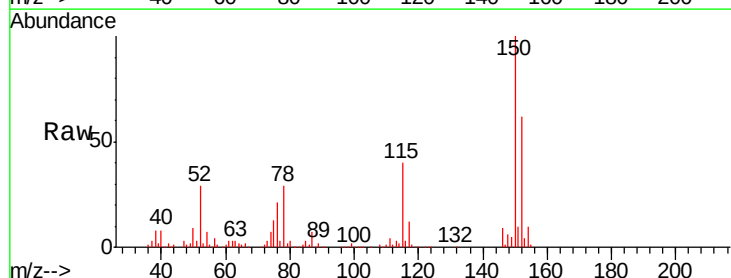
Manual Integrations
APPROVED

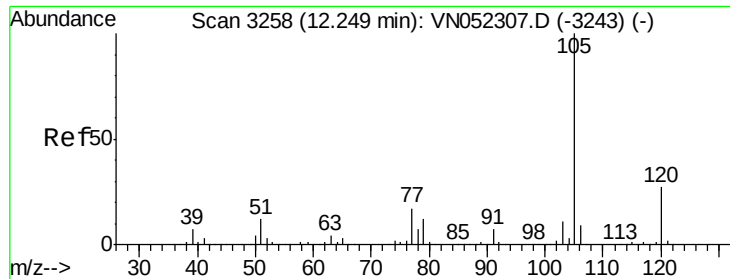
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	30.3	91.0
150	167.2	0.0	348.2





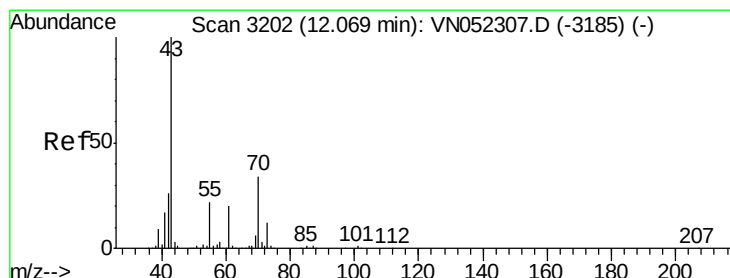
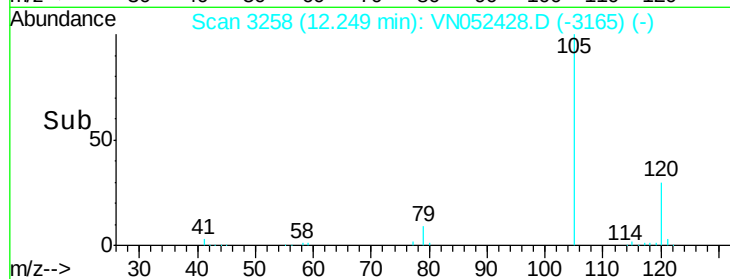
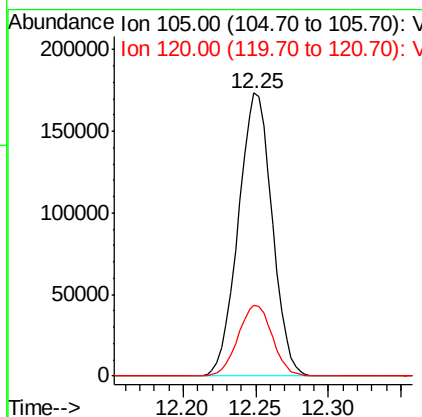
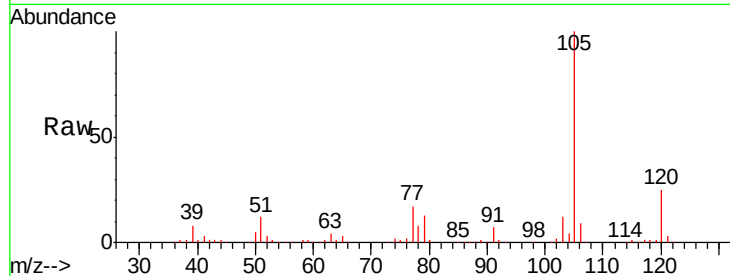
#73
Isopropylbenzene
Concen: 20.84 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBS01

Tgt Ion: 105 Resp: 281167
Ion Ratio Lower Upper
105 100
120 25.3 13.4 40.1

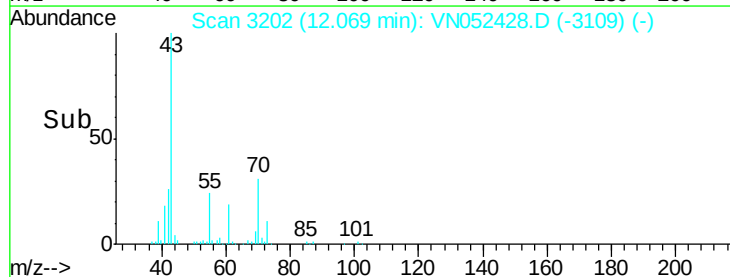
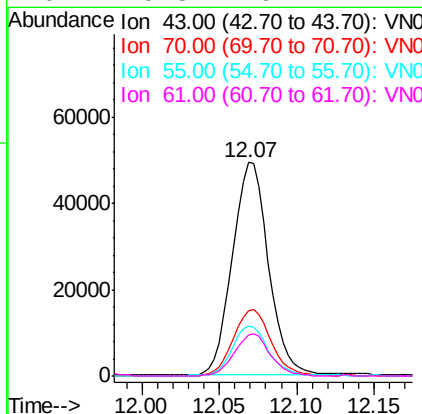
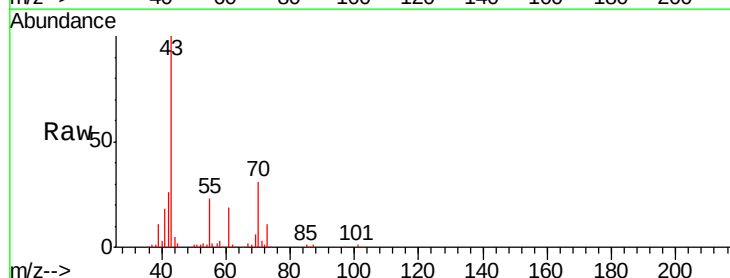
Manual Integrations
APPROVED

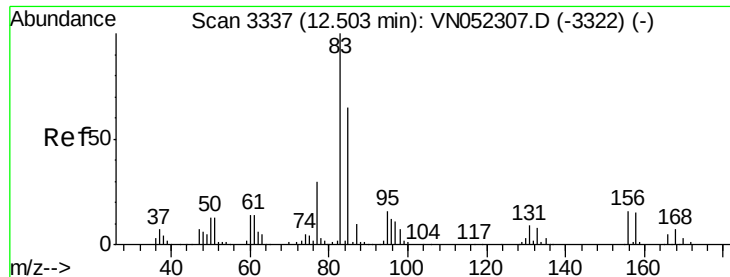
MMDadoda
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#74
N-ethyl acetate
Concen: 16.55 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion: 43 Resp: 79550
Ion Ratio Lower Upper
43 100
70 33.0 27.1 40.7
55 24.1 17.4 26.0
61 19.8 16.1 24.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.88 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

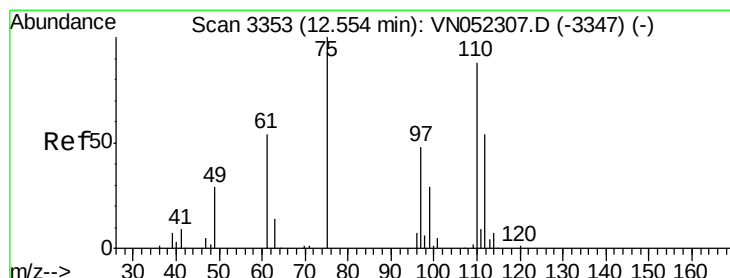
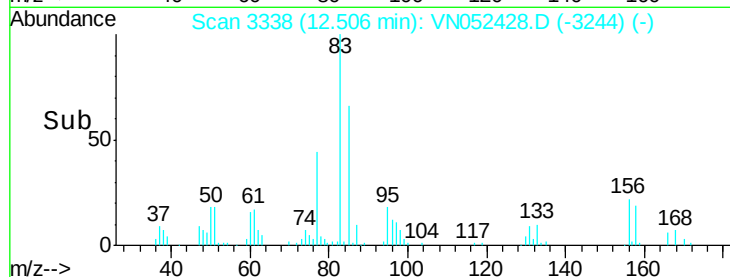
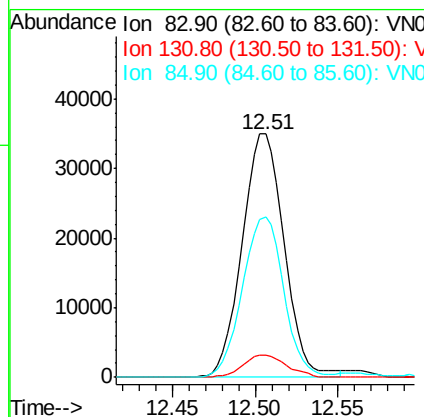
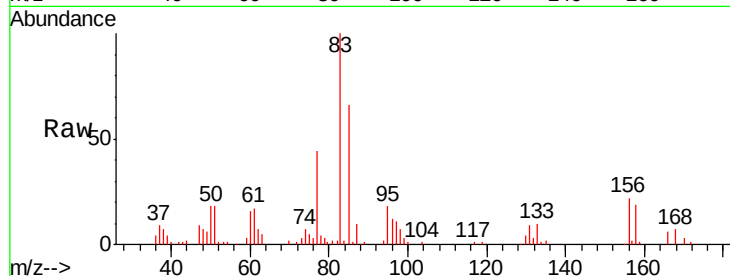
ClientSampleId :

VN1121WBS01

Tgt Ion:	83	Resp:	61585
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	64.6	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.03 ug/l m

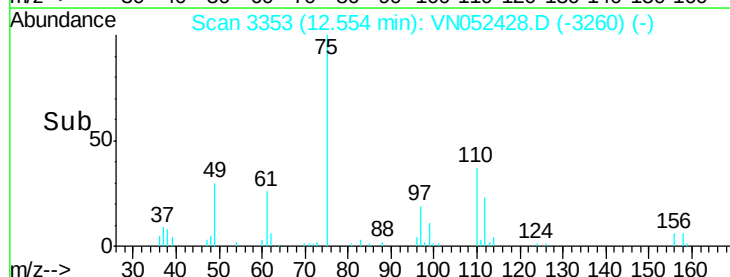
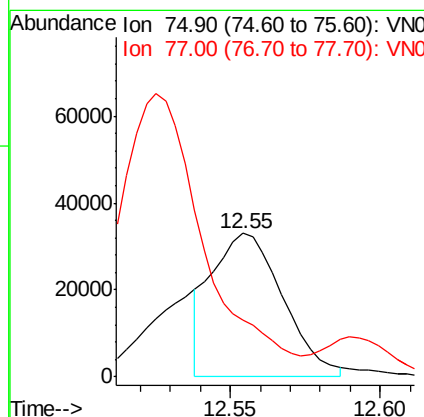
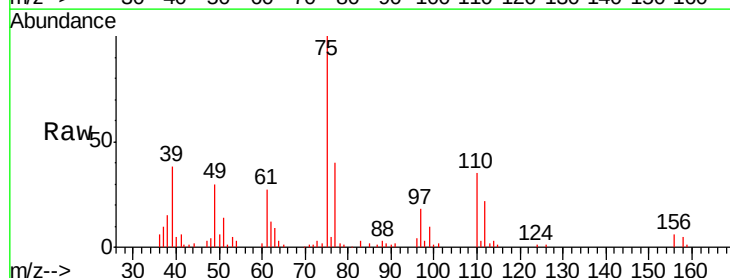
RT: 12.55 min Scan# 3353

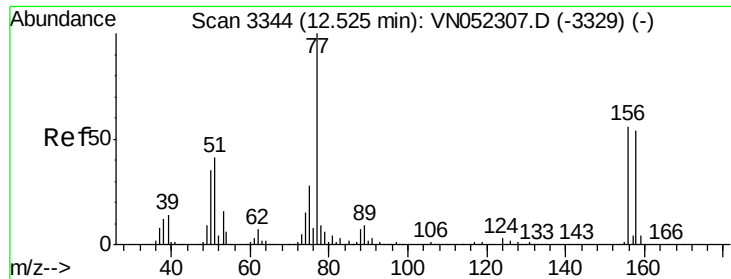
Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Tgt Ion:	75	Resp:	54184
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.11 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

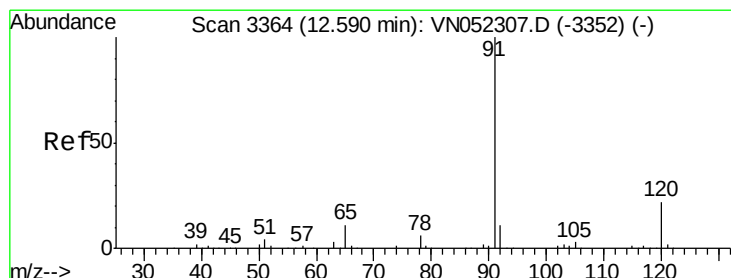
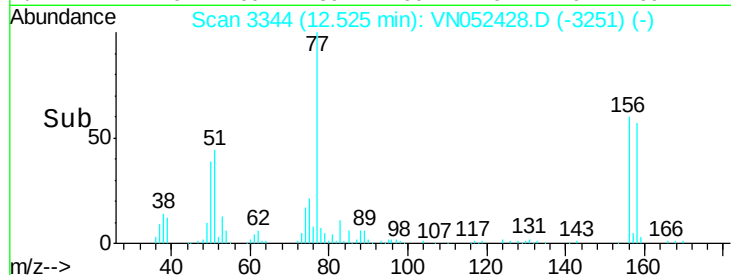
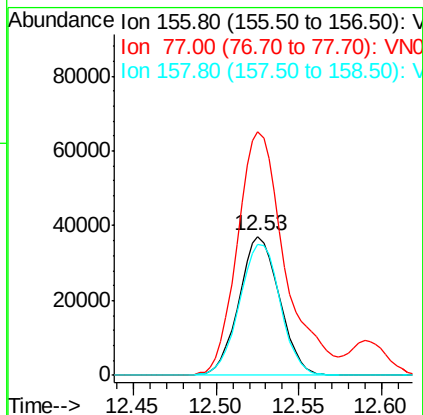
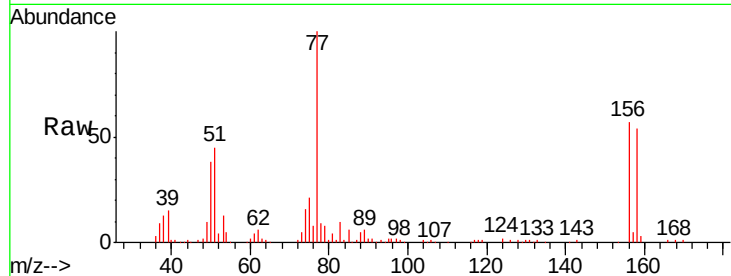
ClientSampleId :

VN1121WBS01

Tgt Ion: 156 Resp: 63136
 Ion Ratio Lower Upper
 156 100
 77 206.0 103.6 310.9
 158 95.4 48.1 144.4

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#78

n-propylbenzene

Concen: 20.73 ug/l

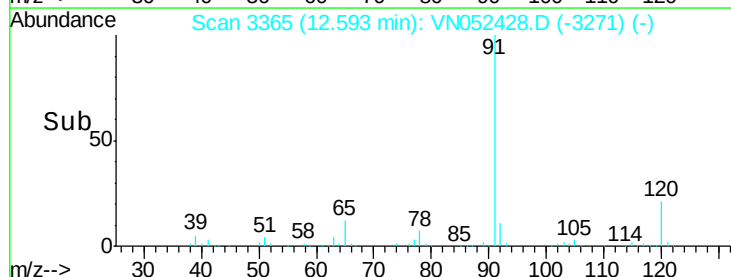
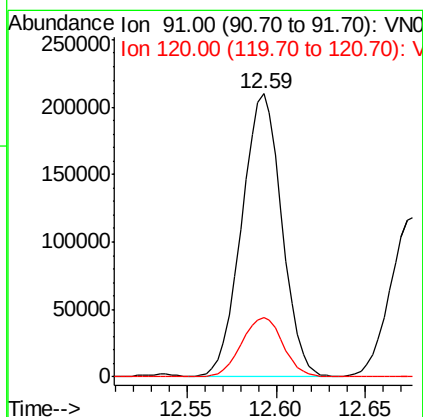
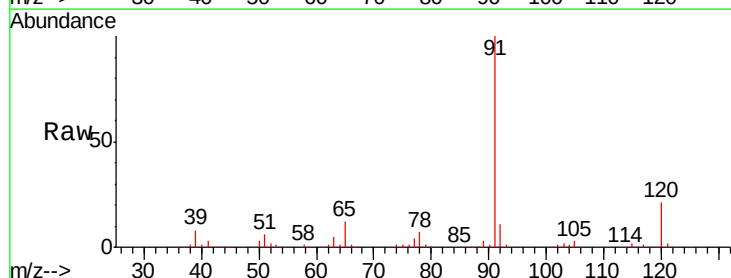
RT: 12.59 min Scan# 3365

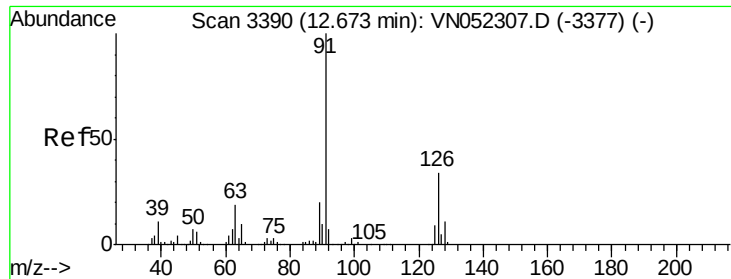
Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Tgt Ion: 91 Resp: 327136
 Ion Ratio Lower Upper
 91 100
 120 21.8 11.1 33.1





#79

2-Chlorotoluene

Concen: 20.74 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121WBS01

Tgt Ion: 91 Resp: 191190

Ion Ratio Lower Upper

91 100

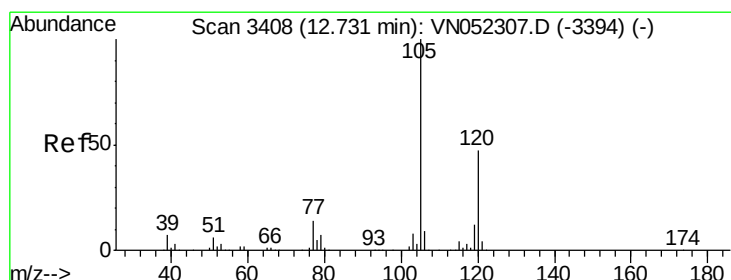
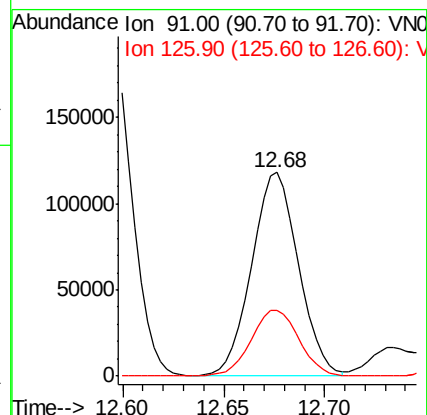
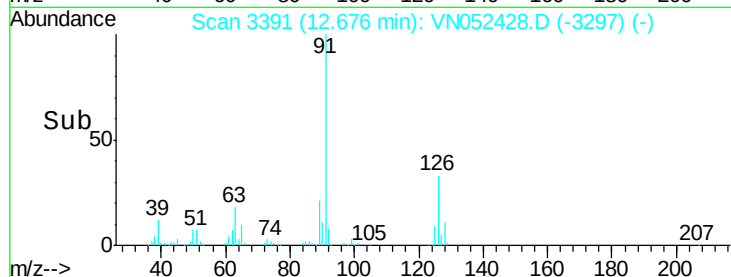
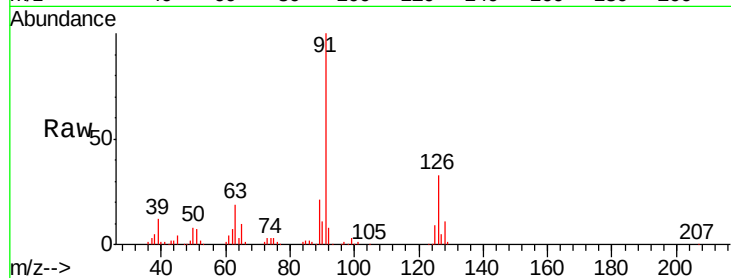
126 33.5 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.93 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052428.D

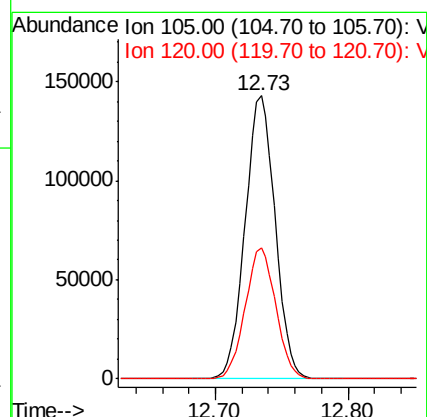
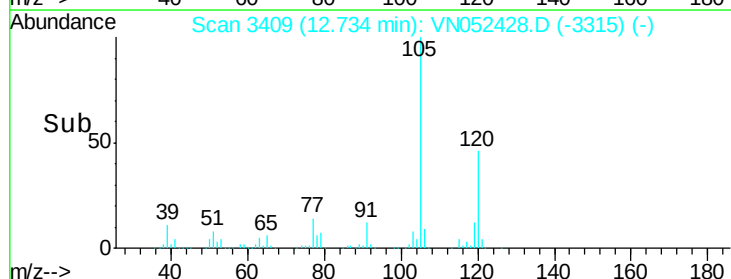
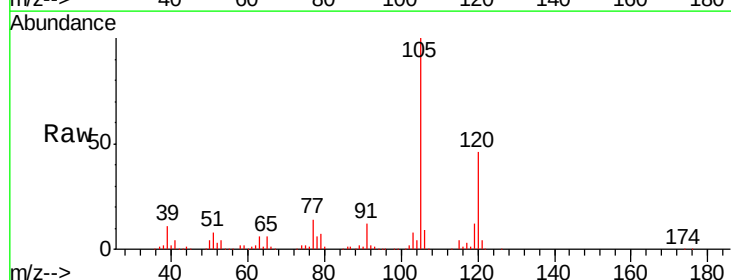
Acq: 21 Nov 2018 10:44

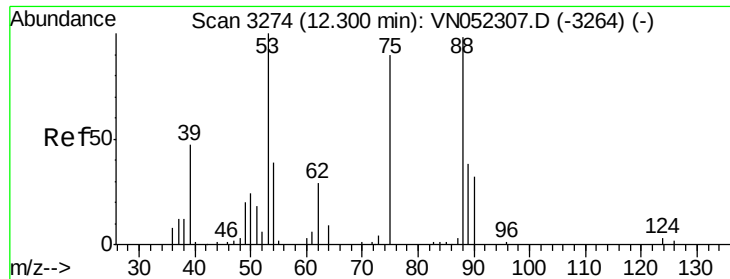
Tgt Ion: 105 Resp: 224571

Ion Ratio Lower Upper

105 100

120 47.1 23.7 71.1





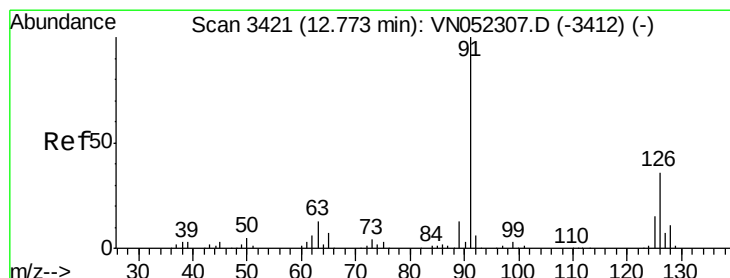
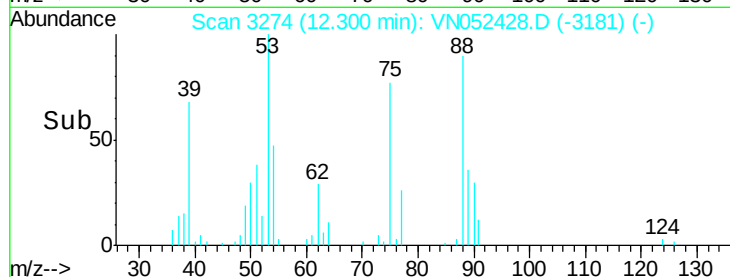
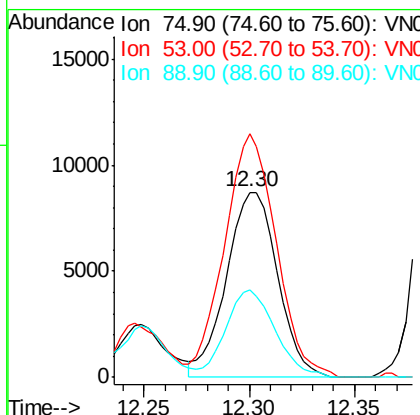
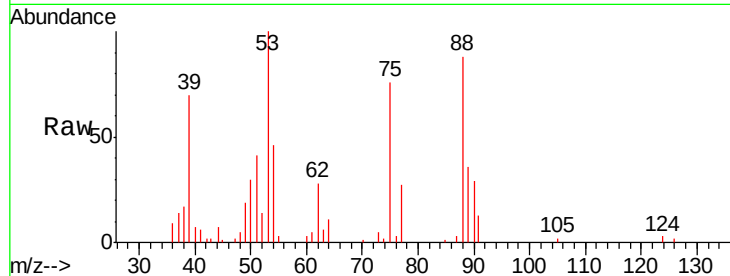
#81
trans-1,4-Dichloro-2-butene
Concen: 16.77 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBS01

Tgt Ion: 75 Resp: 14725
Ion Ratio Lower Upper
75 100
53 132.4 90.2 135.2
89 45.5 35.4 53.0

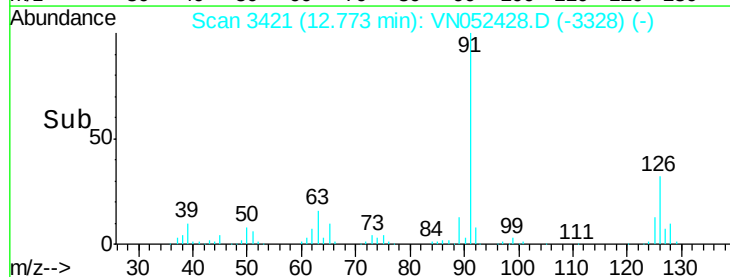
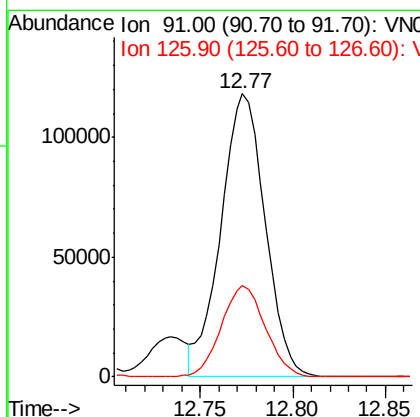
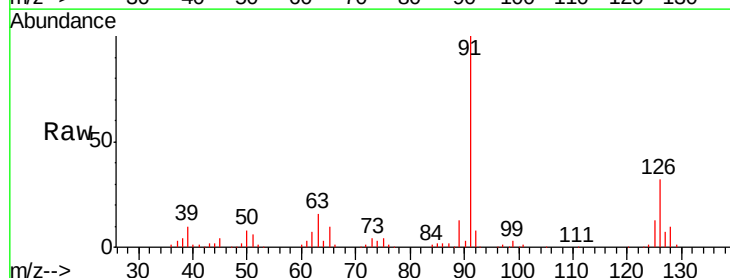
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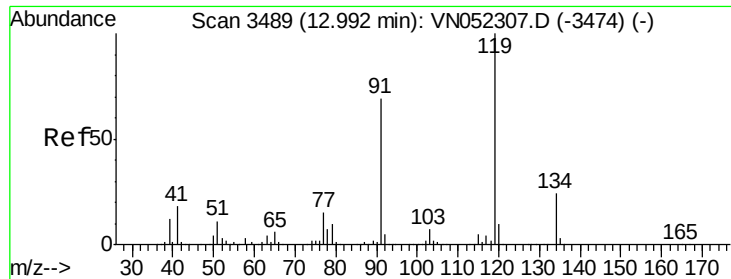
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#82
4-Chlorotoluene
Concen: 20.58 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion: 91 Resp: 194382
Ion Ratio Lower Upper
91 100
126 32.2 17.0 50.9





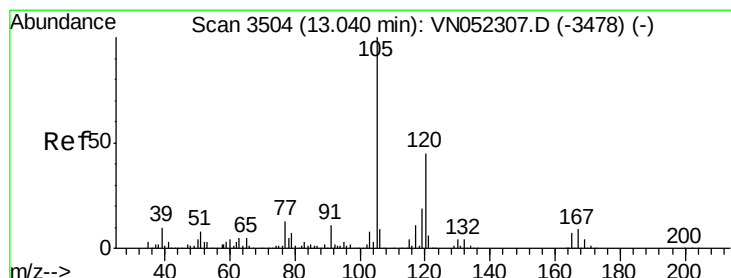
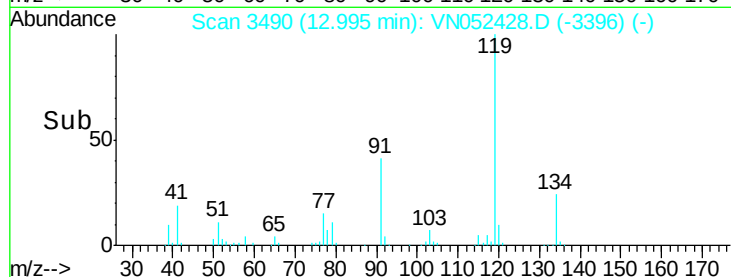
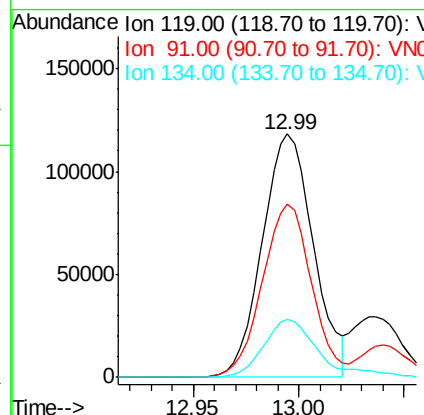
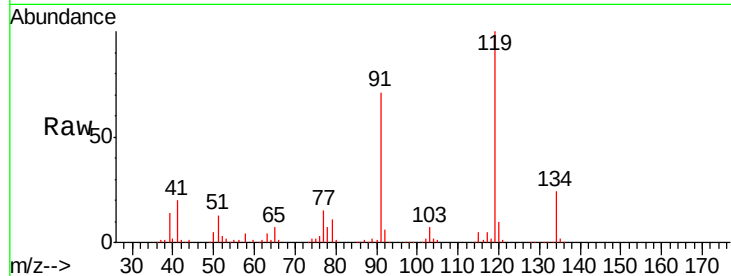
#83
 tert-Butylbenzene
 Concen: 21.03 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	199217		
91	68.9	33.8	101.3	
134	25.8	11.9	35.9	

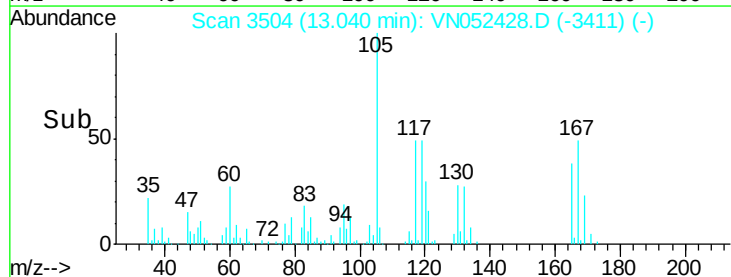
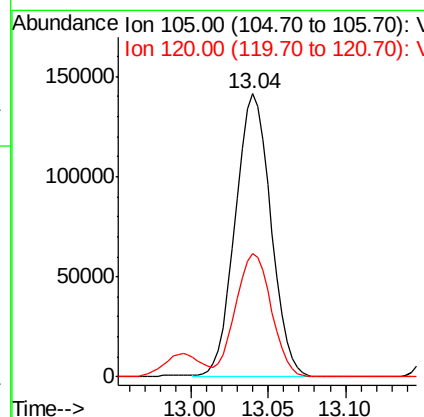
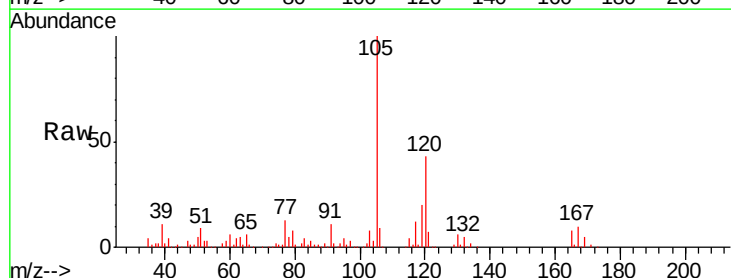
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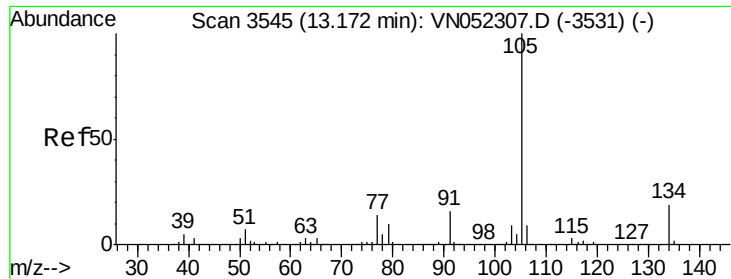
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.91 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	225225		
120	44.0	22.5	67.5	





#85

sec-Butylbenzene

Concen: 21.05 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN1121WBS01

Tgt Ion:105 Resp: 271638

Ion Ratio Lower Upper

105 100

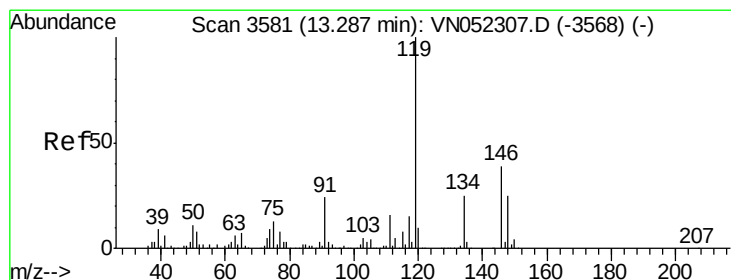
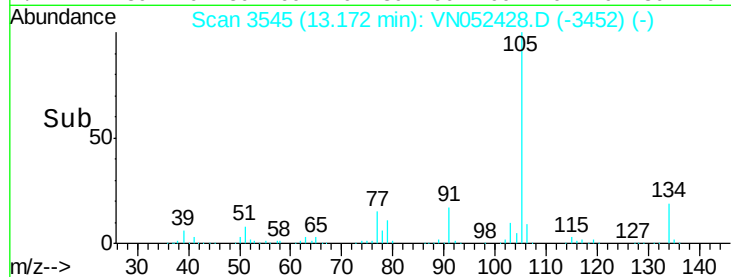
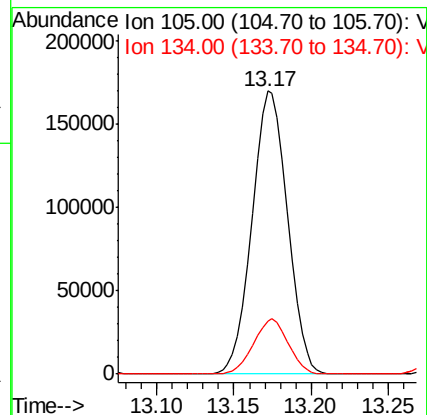
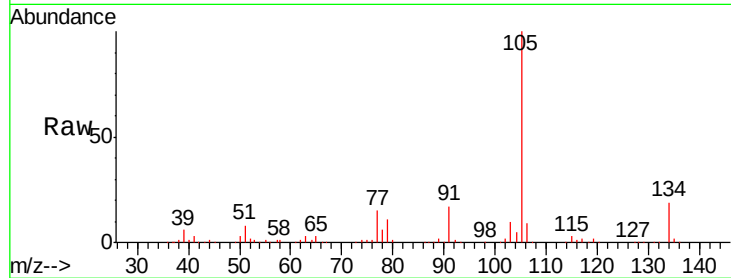
134 19.1 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.25 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

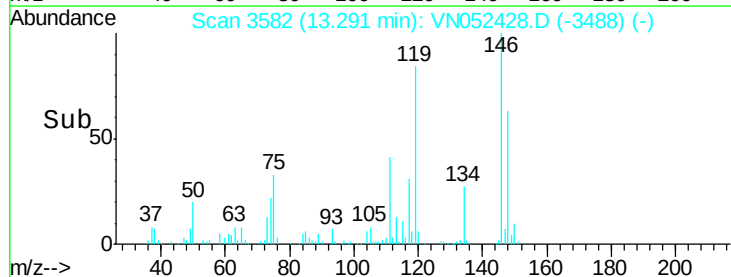
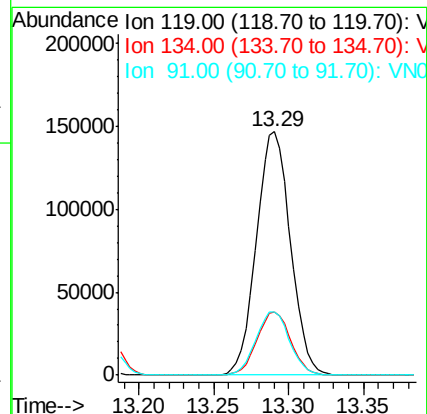
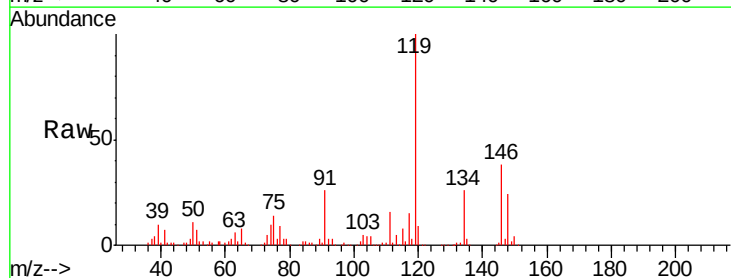
Tgt Ion:119 Resp: 232261

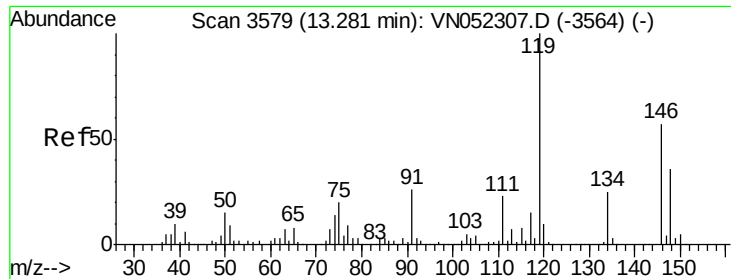
Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 25.9 12.4 37.0





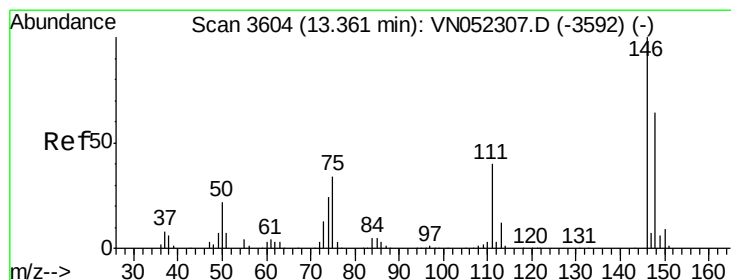
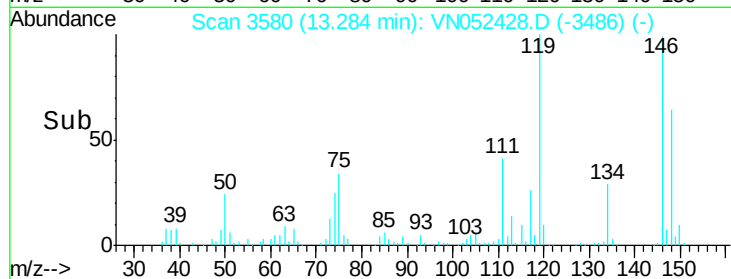
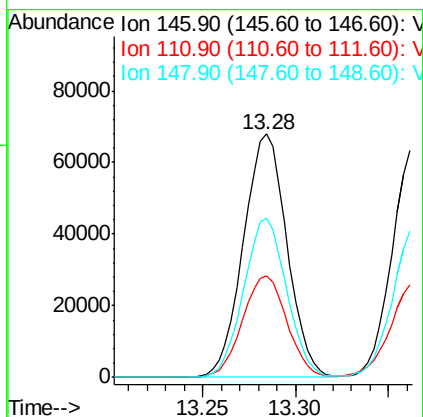
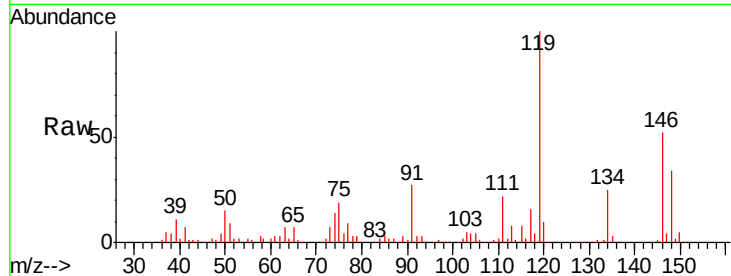
#87
 1,3-Dichlorobenzene
 Concen: 19.99 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.3	61.0
148	64.5	31.8	95.4

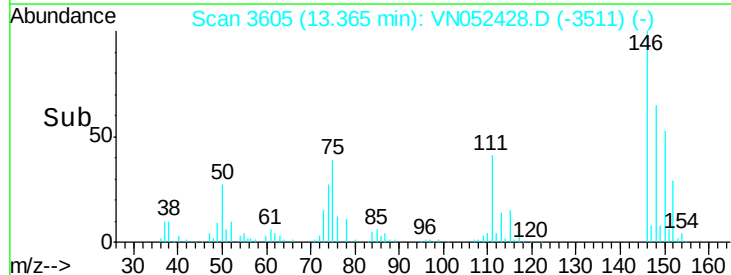
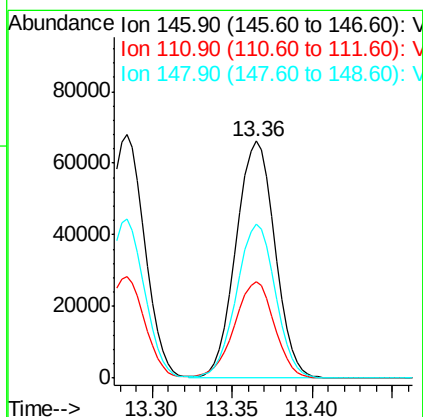
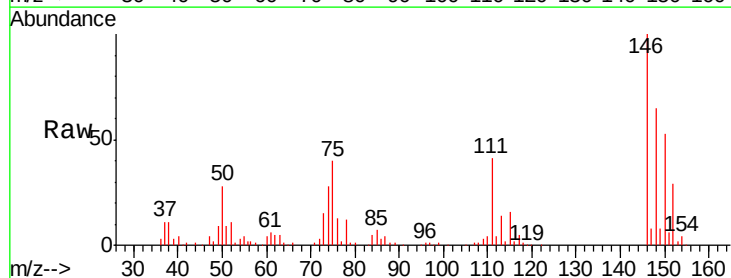
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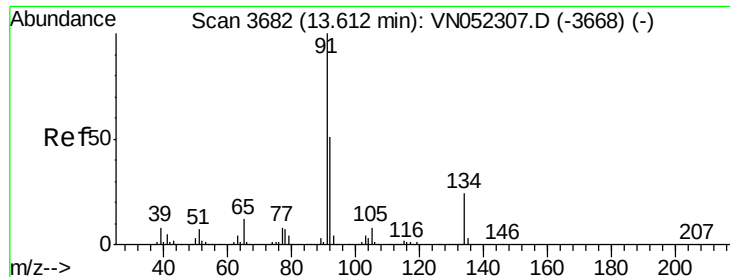
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#88
 1,4-Dichlorobenzene
 Concen: 19.88 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.6	61.8
148	64.9	32.4	97.2





#89

n-Butylbenzene

Concen: 21.26 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

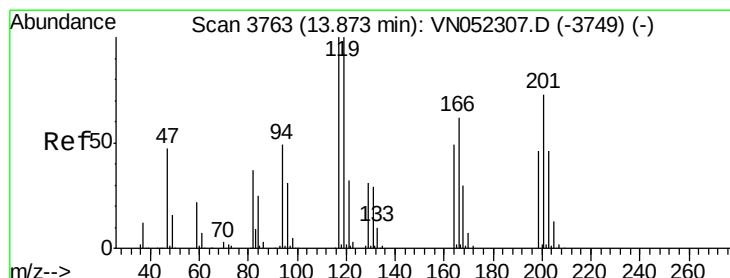
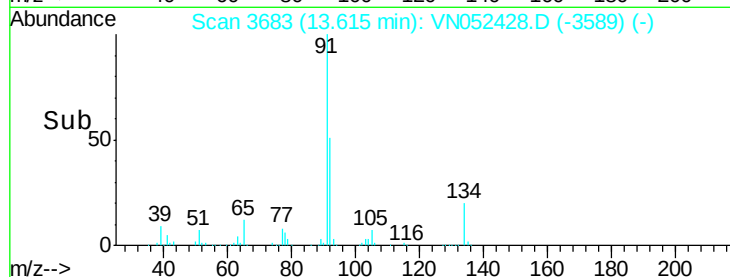
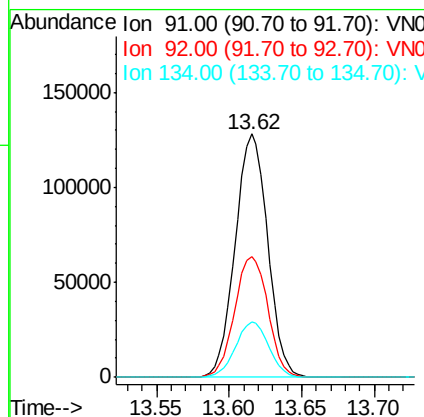
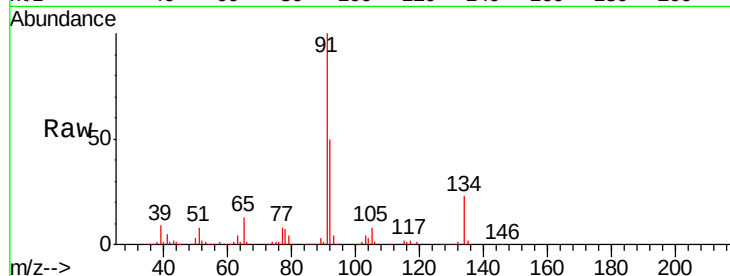
ClientSampleId :

VN1121WBS01

Tgt Ion:	91	Resp:	199586
Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.4	76.2
134	23.2	12.2	36.4

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#90

Hexachloroethane

Concen: 20.76 ug/l

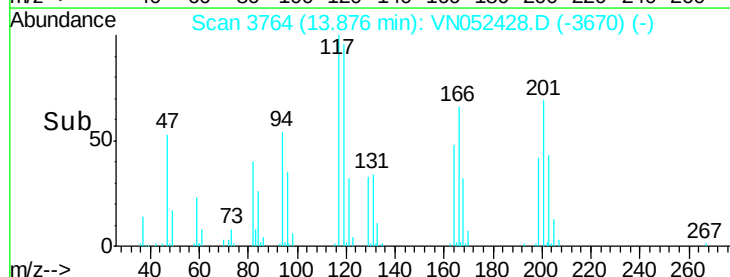
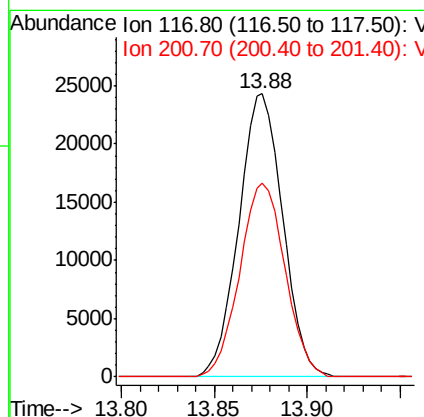
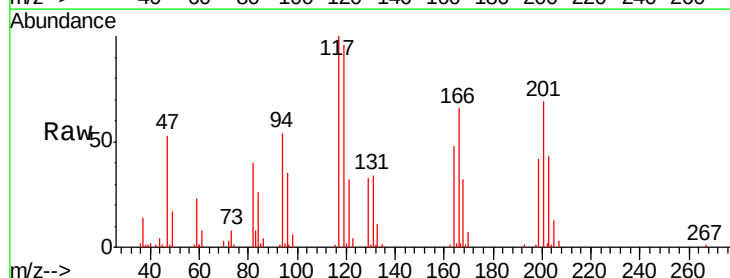
RT: 13.88 min Scan# 3764

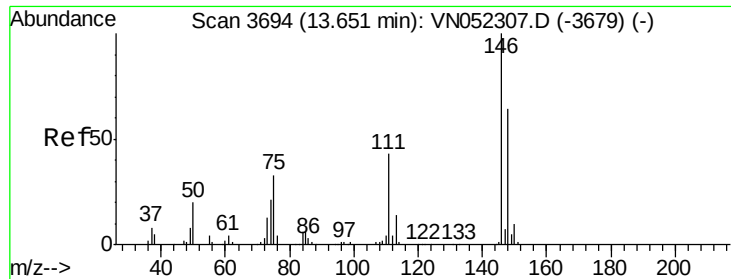
Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Tgt Ion:	117	Resp:	40180
Ion	Ratio	Lower	Upper
117	100		
201	70.5	35.3	105.9





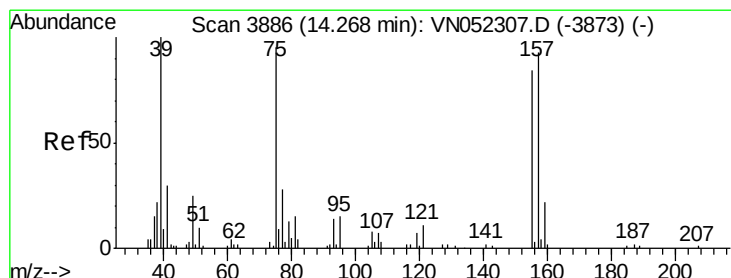
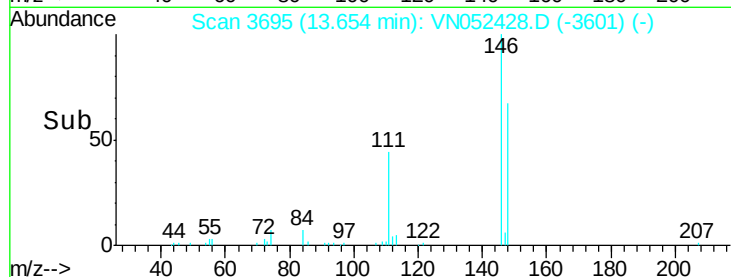
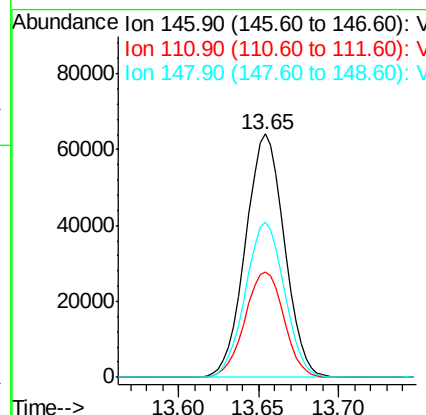
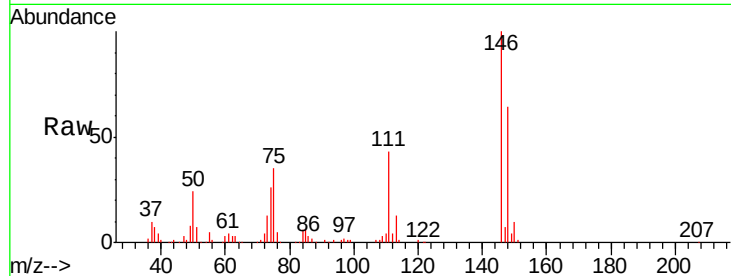
#91
 1,2-Dichlorobenzene
 Concen: 19.73 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.9
148	63.8	31.6	94.8

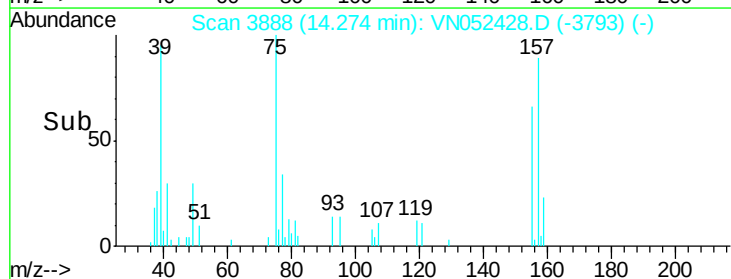
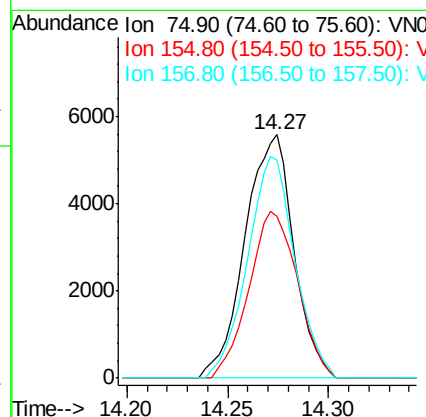
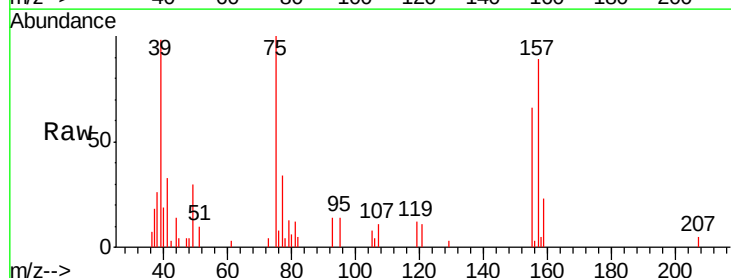
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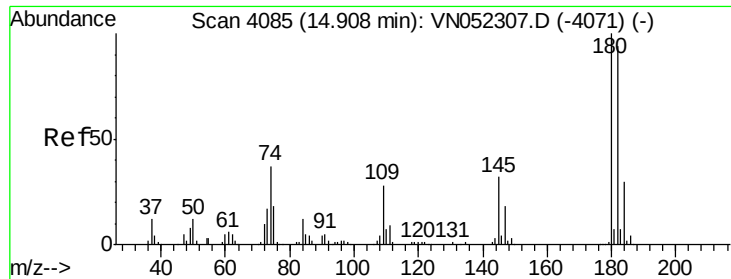
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.67 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.01 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.0	42.4	127.3
157	88.2	49.6	149.0





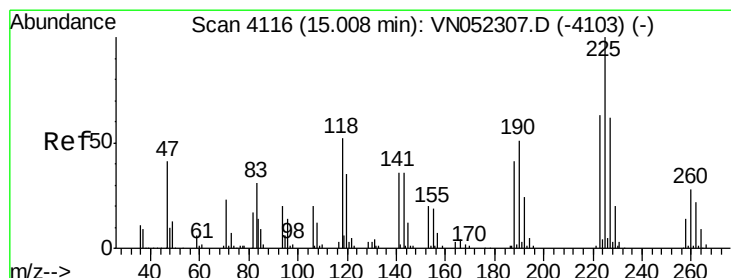
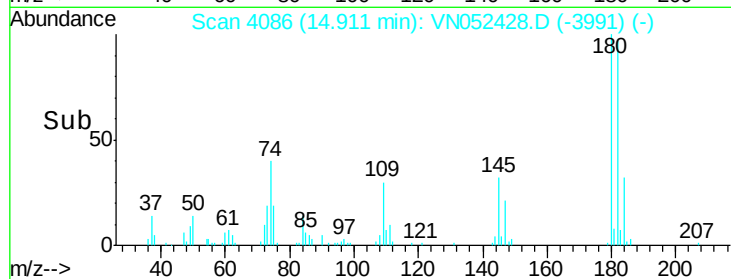
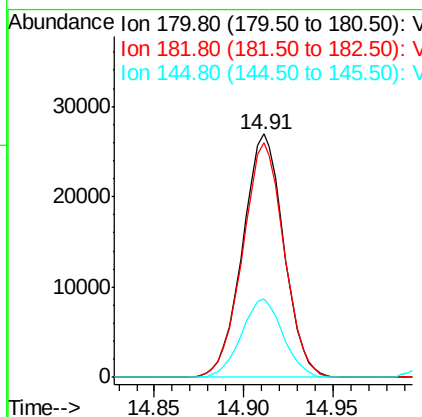
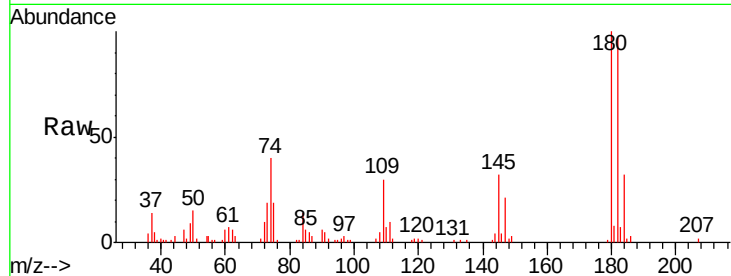
#93
 1,2,4-Trichlorobenzene
 Concen: 18.73 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.6	142.9
145	32.3	15.5	46.5

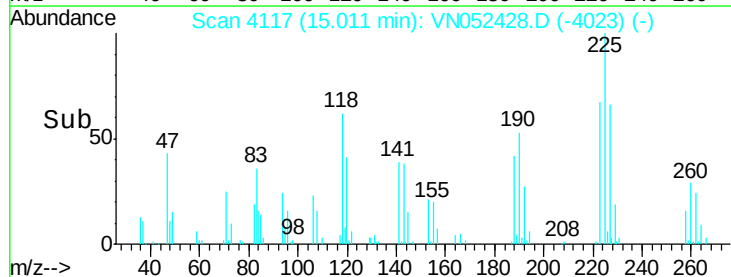
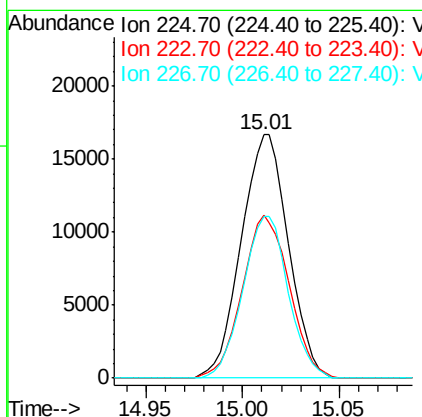
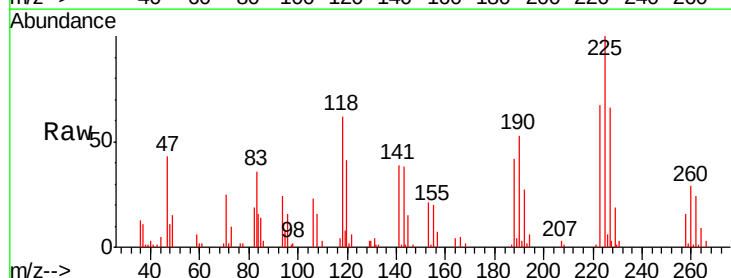
Manual Integrations
 APPROVED

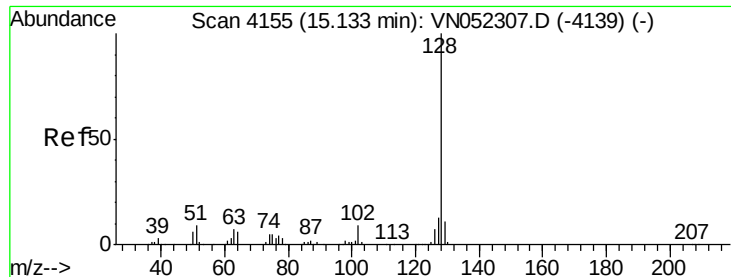
MMDadoda
 11/26/2018 4:56:31 PM



#94
 Hexachlorobutadiene
 Concen: 22.82 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.9	31.9	95.5
227	63.9	31.6	95.0





#95

Naphthalene

Concen: 17.39 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

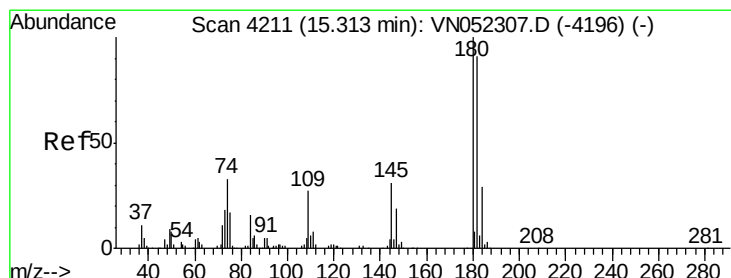
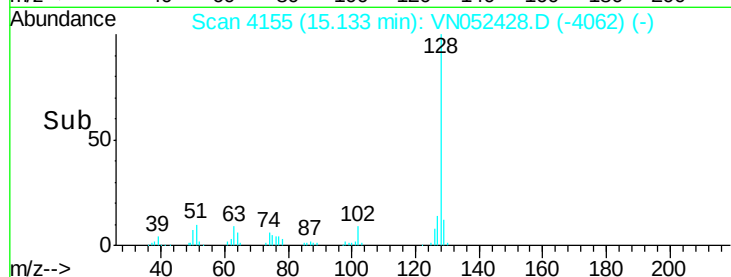
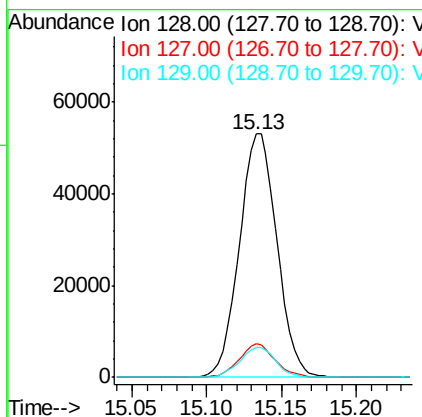
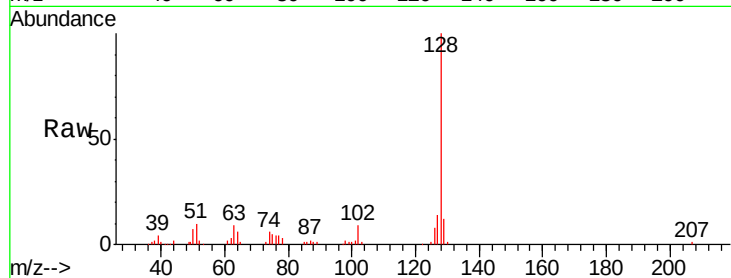
ClientSampleId :

VN1121WBS01

Tgt Ion:	128	Resp:	92667
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/26/2018 4:56:31 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: VN052428.D

Acq: 21 Nov 2018 10:44

Tgt Ion:	180	Resp:	39975
Ion Ratio	Lower	Upper	
180	100		
182	98.4	46.5	139.3
145	33.8	16.4	49.2

