

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052282.D
 Acq On : 13 Nov 2018 13:17
 Operator : MD\SY
 Sample : VN1113WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/14/2018 11:10:13 AM

Quant Time: Nov 14 01:06:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	47753	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	271153	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	240385	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	111691	31.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.03%
60) 4-Bromofluorobenzene	12.40	95	109267	28.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.70%
63) Toluene-d8	10.09	98	345320	30.55	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	67427	21.141	ug/l 99
3) Chloromethane	2.06	50	79888	21.916	ug/l 98
4) Vinyl Chloride	2.19	62	68090	19.042	ug/l 99
5) Bromomethane	2.58	94	39076	16.010	ug/l 96
6) Chloroethane	2.71	64	38155	16.688	ug/l 95
7) Trichlorofluoromethane	3.02	101	94082	19.429	ug/l 96
8) Diethyl Ether	3.42	74	33072	20.228	ug/l 80
9) 1,1,2-Trichlorotrifluoroet	3.77	101	58601	20.706	ug/l 96
10) 1,1-Dichloroethene	3.74	96	49974	18.924	ug/l 96
11) Methyl Iodide	3.96	142	73305	19.199	ug/l 98
12) Methyl Acetate	4.33	43	53252	23.958	ug/l 91
13) Acrolein	3.61	56	25158	106.709	ug/l 97
14) Acrylonitrile	4.99	53	103672	105.174	ug/l 96
15) Acetone	3.82	58	27583	118.398	ug/l 73
16) Carbon Disulfide	4.06	76	145261	18.630	ug/l 99
17) Allyl chloride	4.33	41	98616	21.994	ug/l 97
18) Methylene Chloride	4.55	84	64268	19.717	ug/l # 83
19) trans-1,2-Dichloroethene	5.05	96	54355	18.786	ug/l 90
20) Diisopropyl ether	5.95	45	223993	22.990	ug/l 95
21) 1,1-Dichloroethane	5.85	63	117679	20.667	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	66101	19.564	ug/l 95
23) tert-Butyl Alcohol	4.78	59	17671m	115.060	ug/l
24) Methyl tert-Butyl Ether	5.05	73	149633	19.987	ug/l 97
25) Chloroform	7.37	83	113740	19.894	ug/l 96
26) Cyclohexane	7.65	56	103640	20.305	ug/l # 89
29) 1,1-Dichloropropene	7.79	75	84049	19.524	ug/l 98
30) 2-Butanone	6.84	43	136505	119.068	ug/l # 81
31) 2,2-Dichloropropane	6.83	77	85082	19.186	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	93425	19.396	ug/l 96
33) Carbon Tetrachloride	7.78	117	81634	19.057	ug/l 99
34) Benzene	8.04	78	254096	20.158	ug/l 97
35) Methacrylonitrile	7.18	41	30571	19.441	ug/l # 77
36) 1,2-Dichloroethane	8.13	62	88311	20.954	ug/l 99
37) Trichloroethene	8.84	130	61840	19.601	ug/l 94
38) Methylcyclohexane	9.08	83	96020	18.284	ug/l 95
39) 1,2-Dichloropropane	9.12	63	73540	21.917	ug/l 89
40) Dibromomethane	9.21	93	40913	19.782	ug/l 98

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Manual Integrations
 APPROVED

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Quant Time: Nov 14 01:06:36 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	83265	19.676	ug/l	98
42) Vinyl Acetate	5.90	43	759796	113.207	ug/l	97
43) Ethyl Acetate	6.84	43	136505	23.693	ug/l #	87
44) Isopropyl Acetate	8.17	43	112310	23.544	ug/l #	89
45) 1,4-Dioxane	9.20	88	9057	416.200	ug/l #	69
46) Methyl methacrylate	9.20	41	54890	23.116	ug/l	91
47) n-amyl Acetate	12.07	43	89877	20.786	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	83139	19.785	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	97382	20.079	ug/l	91
50) 1,1,2-Trichloroethane	10.56	97	53636	19.612	ug/l	95
51) Ethyl methacrylate	10.43	69	69232	19.587	ug/l	85
52) 1,3-Dichloropropane	10.71	76	96382	20.232	ug/l	99
53) Dibromochloromethane	10.90	129	57196	19.372	ug/l	99
54) 1,2-Dibromoethane	11.00	107	51567	18.594	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	205265	106.051	ug/l	99
56) Bromoform	12.13	173	32332	18.960	ug/l #	99
58) 4-Methyl-2-Pentanone	9.98	43	300769	116.765	ug/l	95
59) 2-Hexanone	10.75	43	203802	114.911	ug/l	96
61) Tetrachloroethene	10.63	164	54720	20.931	ug/l	95
62) Toluene	10.16	91	270183	20.022	ug/l	99
64) Chlorobenzene	11.43	112	161332	18.864	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	56867	19.536	ug/l	98
66) Ethyl Benzene	11.51	91	282579	19.386	ug/l	97
67) m/p-Xylenes	11.62	106	212824	37.925	ug/l	99
68) o-Xylene	11.95	106	104454	19.523	ug/l	97
69) Styrene	11.96	104	162989	18.905	ug/l	98
70) Isopropylbenzene	12.25	105	273030	19.010	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	64021	20.265	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	57560m	20.722	ug/l	
73) Bromobenzene	12.53	156	61947	19.465	ug/l	95
74) n-propylbenzene	12.59	91	318813	19.062	ug/l	100
75) 2-Chlorotoluene	12.67	91	183959	19.078	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	221451	19.228	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	15753	18.125	ug/l	90
78) 4-Chlorotoluene	12.77	91	183297	18.876	ug/l	99
79) tert-butylbenzene	12.99	119	191001	19.039	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	221737	19.326	ug/l	99
81) sec-Butylbenzene	13.17	105	258351	18.712	ug/l	100
82) p-Isopropyltoluene	13.29	119	219488	18.811	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	108899	19.345	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	104116	18.683	ug/l	97
85) n-Butylbenzene	13.62	91	183157	18.137	ug/l	100
86) Hexachloroethane	13.88	117	36301	18.437	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	106229	19.862	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	8995	20.823	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	40639	18.718	ug/l	95
90) Hexachlorobutadiene	15.01	225	24116	20.303	ug/l	98
91) Naphthalene	15.13	128	94740	18.932	ug/l	97
92) 1,2,3-Trichlorobenzene	15.31	180	39796	21.032	ug/l	98

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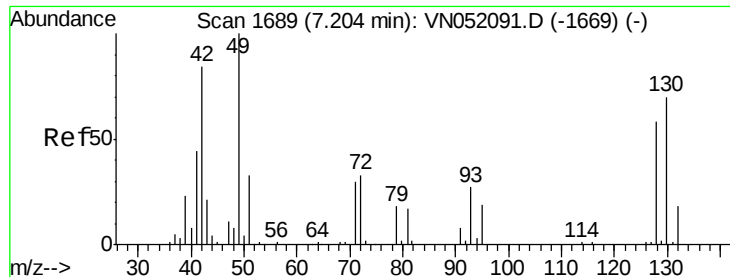
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



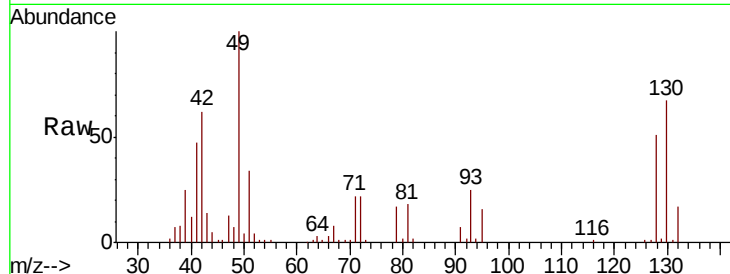
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
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VN1113WBS01

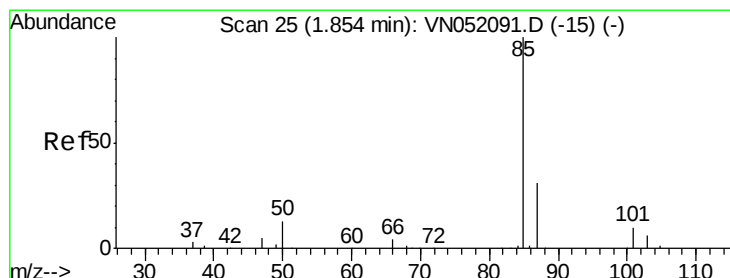
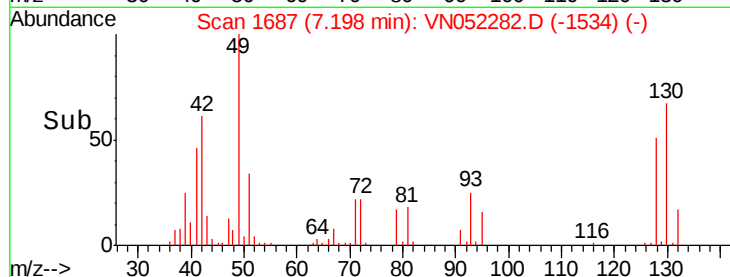
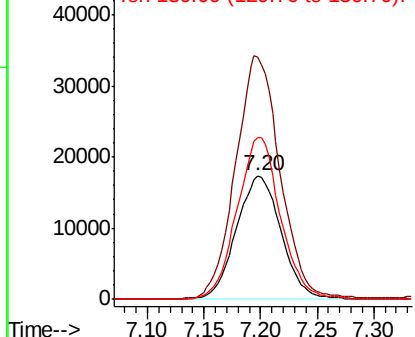
Tot Ion:128 Resp: 47753
Ion Ratio Lower Upper
128 100
49 197.1 0.0 453.7
130 127.5 0.0 308.8

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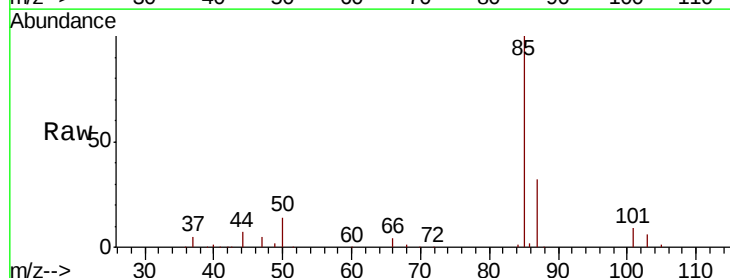


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

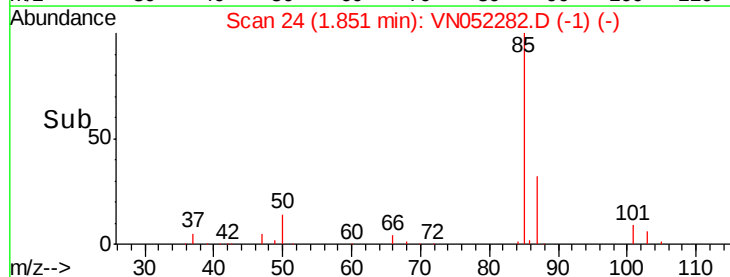
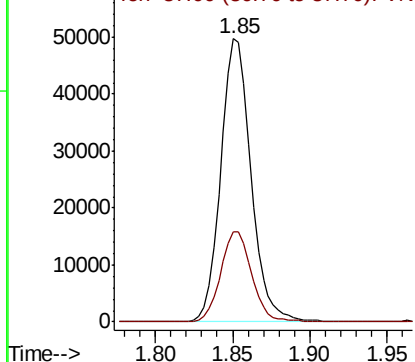


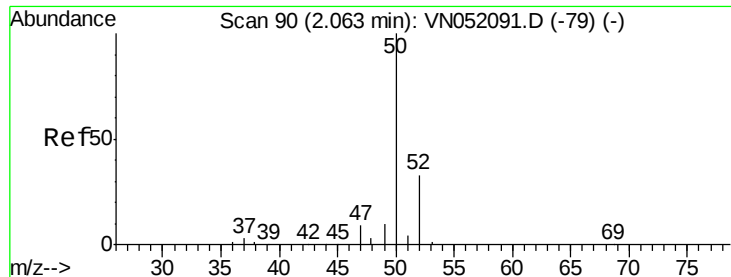
#2
Dichlorodifluoromethane
Concen: 21.141 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Tgt Ion: 85 Resp: 67427
Ion Ratio Lower Upper
85 100
87 32.1 15.7 47.1



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 21.916 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 50 Resp: 79888

Ion Ratio Lower Upper

50 100

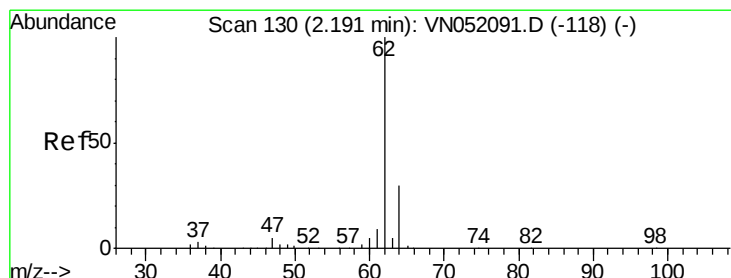
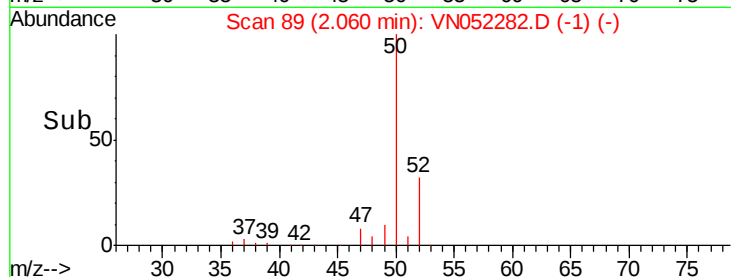
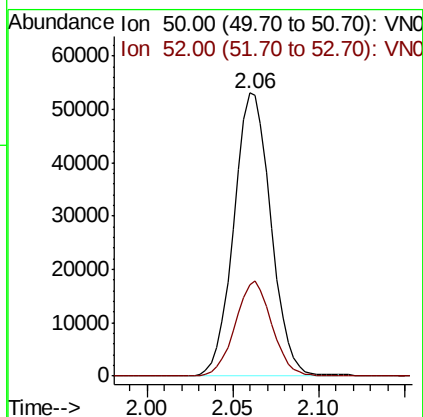
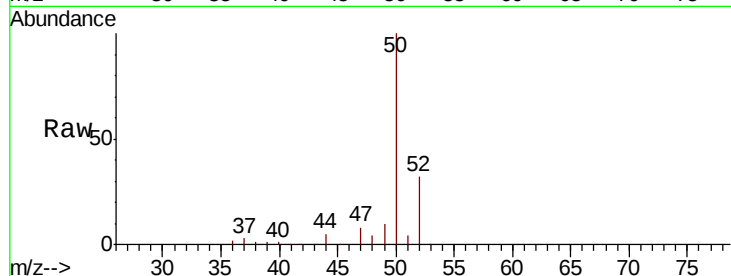
52 32.2 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.042 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052282.D

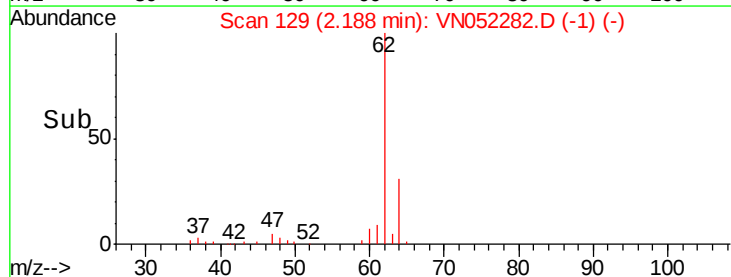
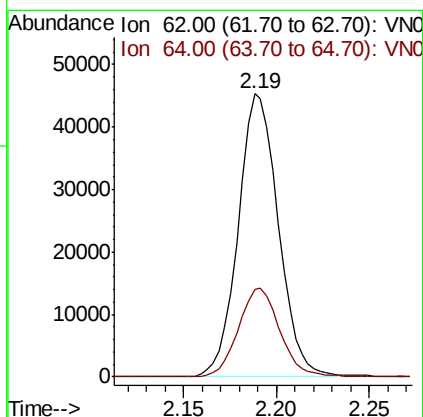
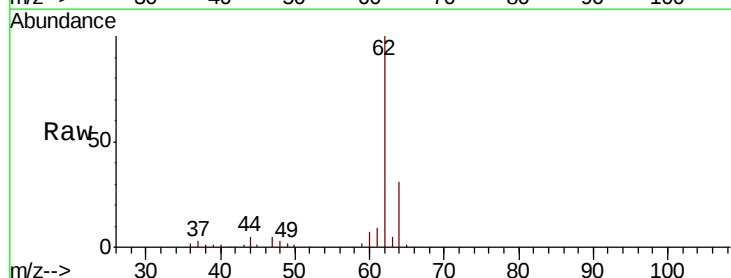
Acq: 13 Nov 2018 13:17

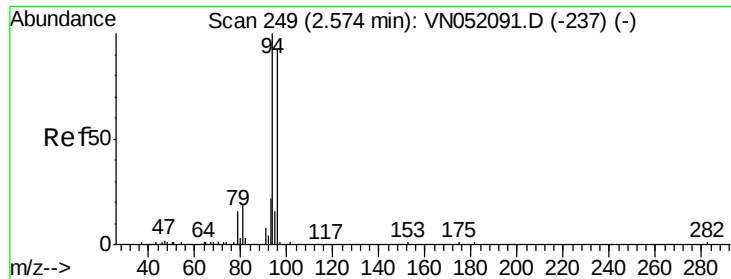
Tgt Ion: 62 Resp: 68090

Ion Ratio Lower Upper

62 100

64 30.8 24.2 36.4





#5

Bromomethane

Concen: 16.010 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Instrument :

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ClientSampleId :

VN1113WBS01

Tot Ion: 94 Resp: 39076

Ion Ratio Lower Upper

94 100

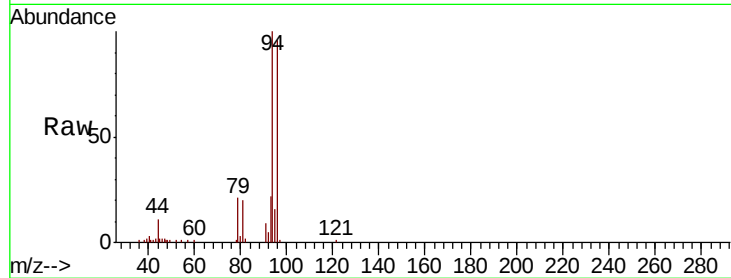
96 95.9 73.4 110.0

Manual Integrations

APPROVED

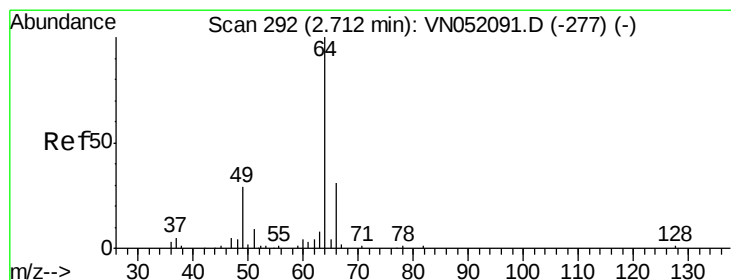
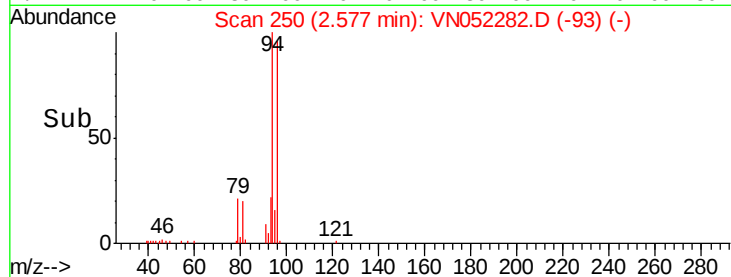
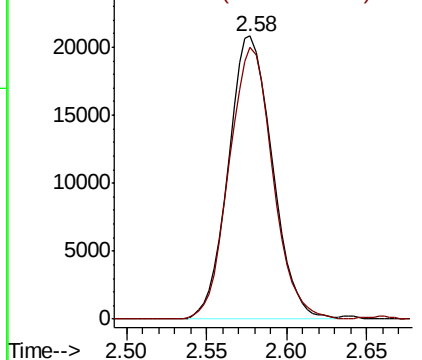
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11/14/2018 11:10:13 AM



Abundance Ion 94.00 (93.70 to 94.70): VNC

Ion 96.00 (95.70 to 96.70): VNC



#6

Chloroethane

Concen: 16.688 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN052282.D

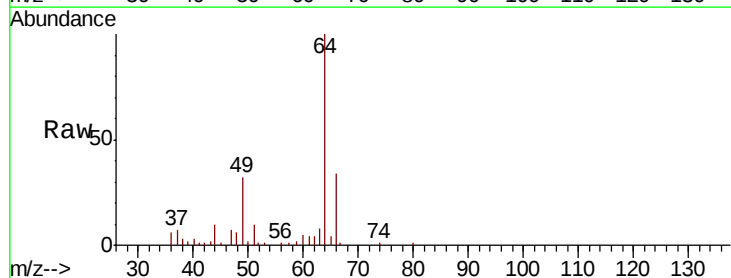
Acq: 13 Nov 2018 13:17

Tgt Ion: 64 Resp: 38155

Ion Ratio Lower Upper

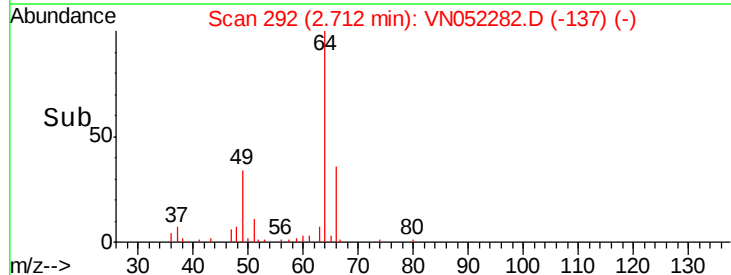
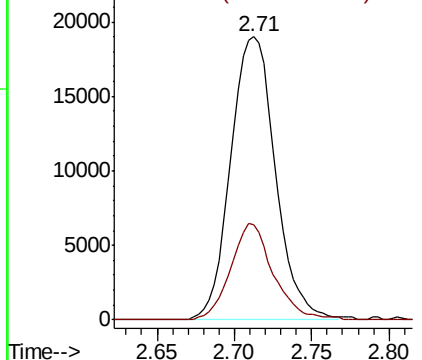
64 100

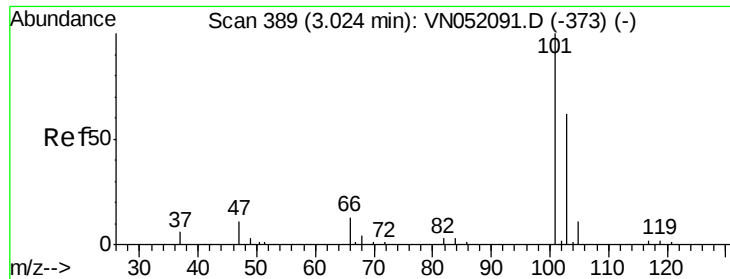
66 33.8 24.7 37.1



Abundance Ion 64.00 (63.70 to 64.70): VNC

Ion 66.00 (65.70 to 66.70): VNC





#7

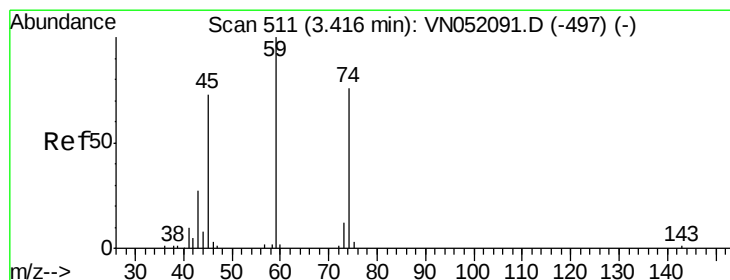
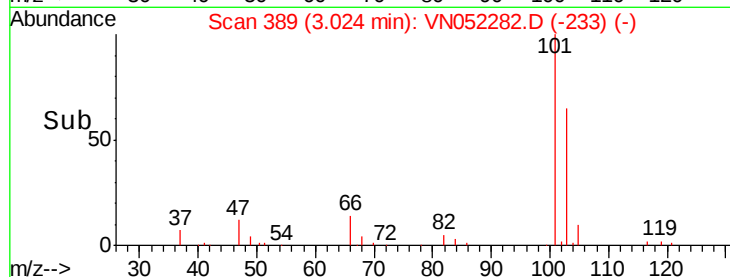
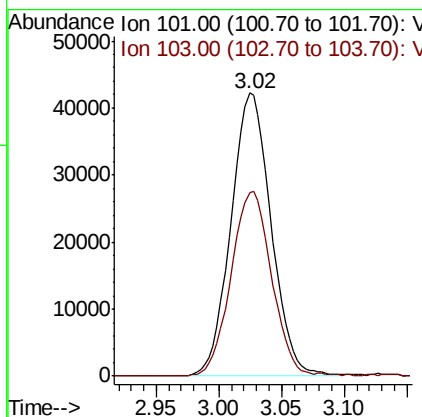
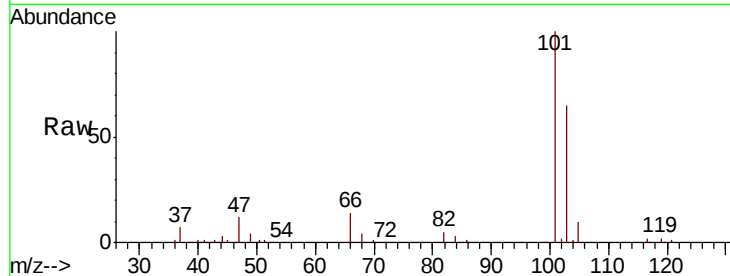
Trichlorofluoromethane
Concen: 19.429 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	49.5	74.3

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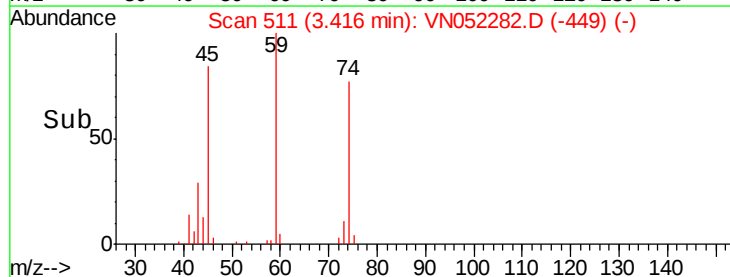
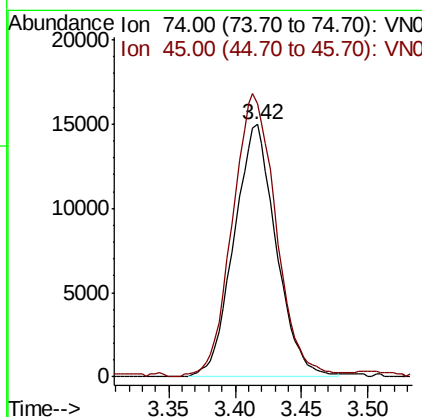
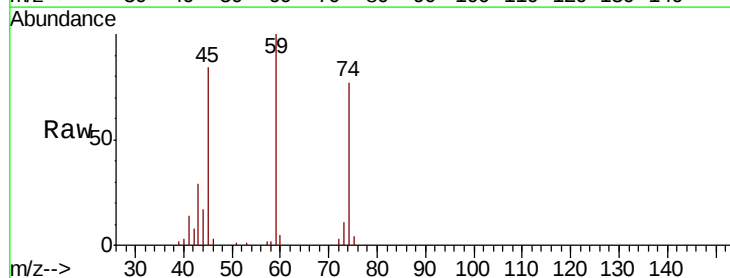
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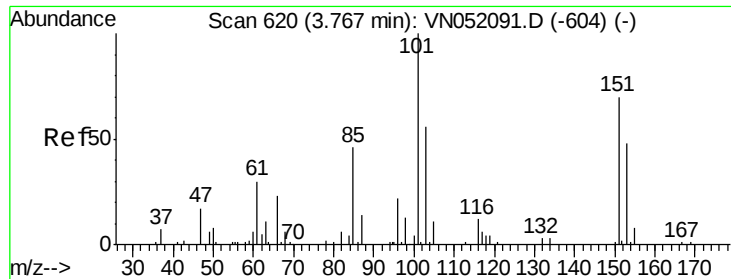


#8

Diethyl Ether
Concen: 20.228 ug/l
RT: 3.42 min Scan# 511
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.4	19.4	174.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.706 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_N

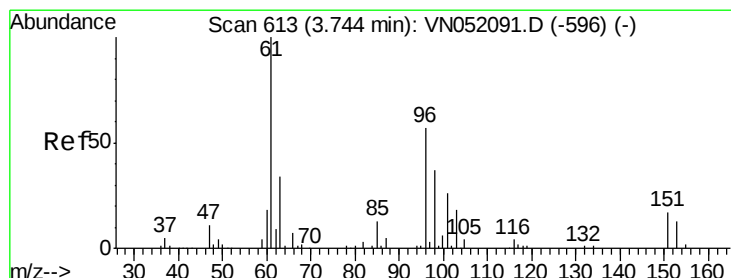
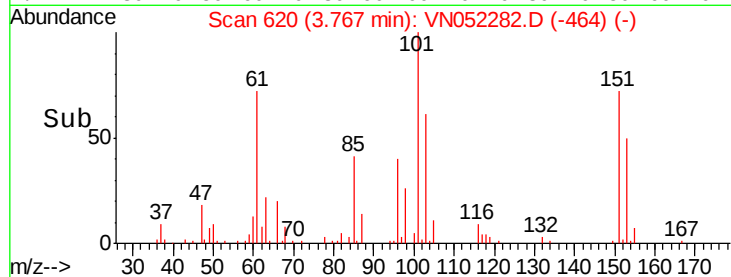
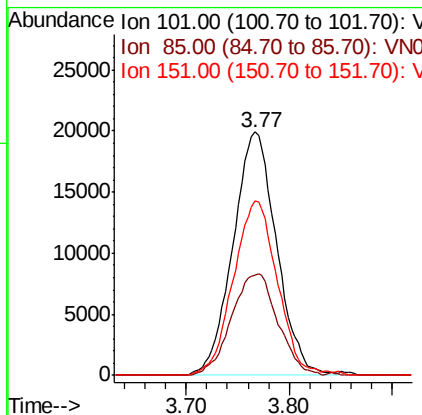
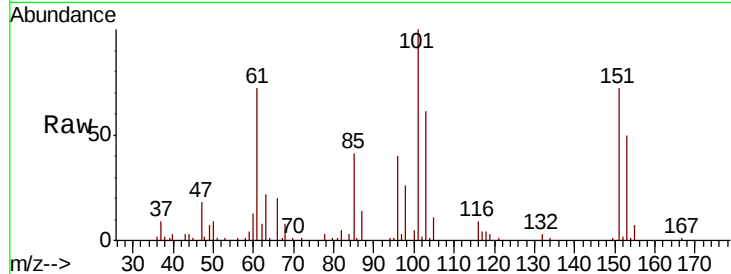
ClientSampleId :

VN1113WBS01

Tot Ion:	101	Resp:	58601
Ion Ratio	Lower	Upper	
101	100		
85	44.2	0.0	98.0
151	71.9	0.0	139.6

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#10

1,1-Dichloroethene

Concen: 18.924 ug/l

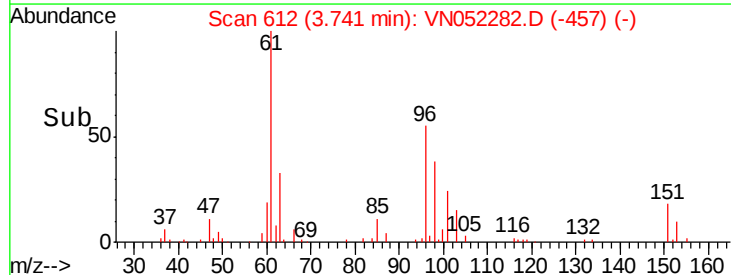
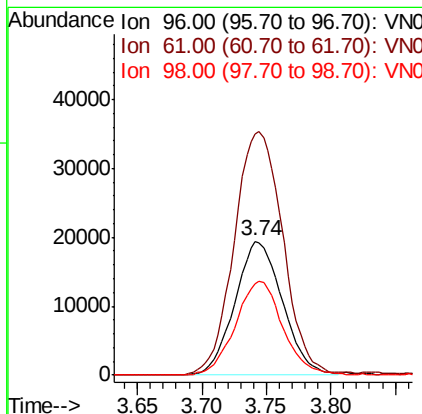
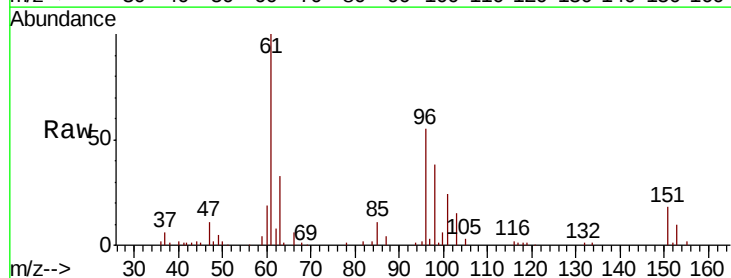
RT: 3.74 min Scan# 612

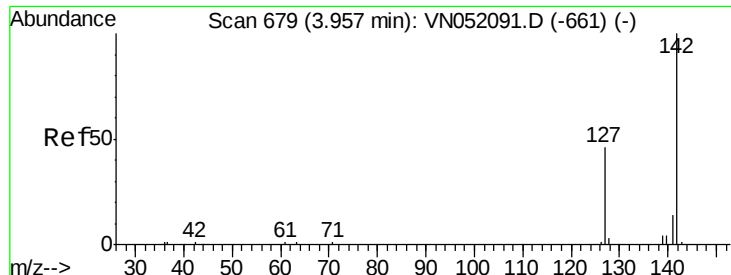
Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Tgt Ion:	96	Resp:	49974
Ion Ratio	Lower	Upper	
96	100		
61	179.9	140.3	210.5
98	68.7	52.0	78.0





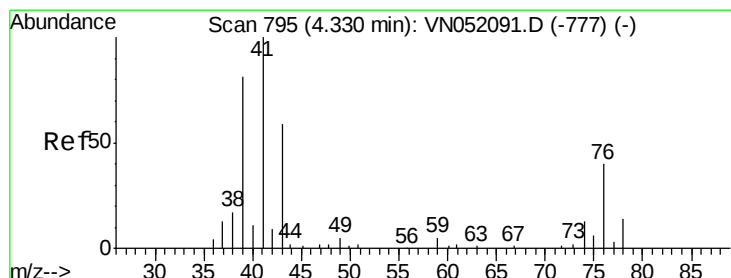
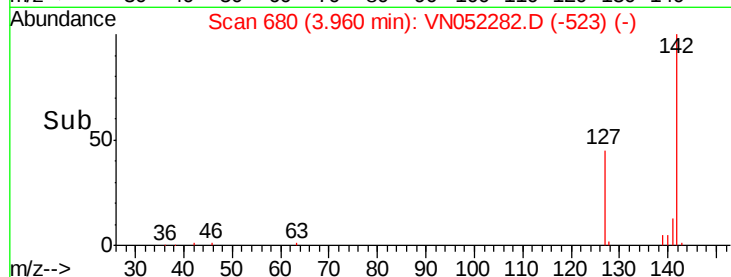
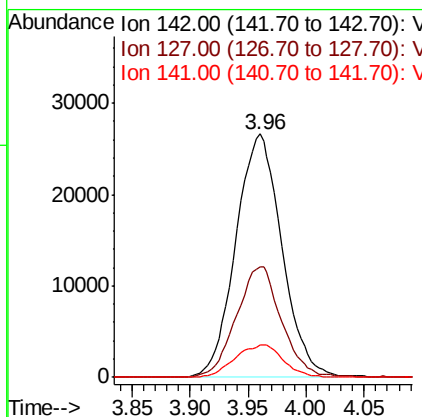
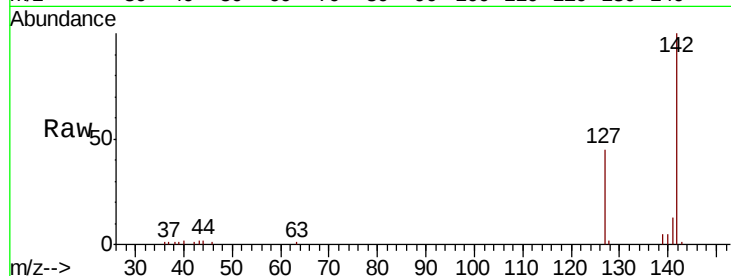
#11
Methyl Iodide
Concen: 19.199 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.9	23.1	69.2
141	13.3	7.0	20.9

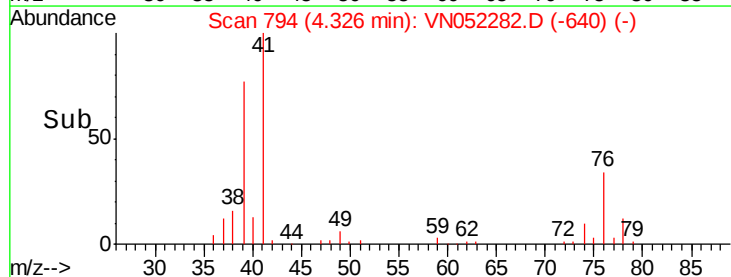
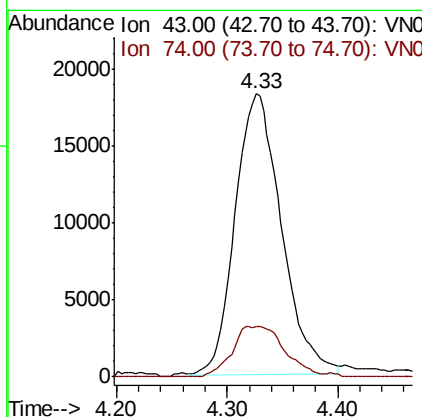
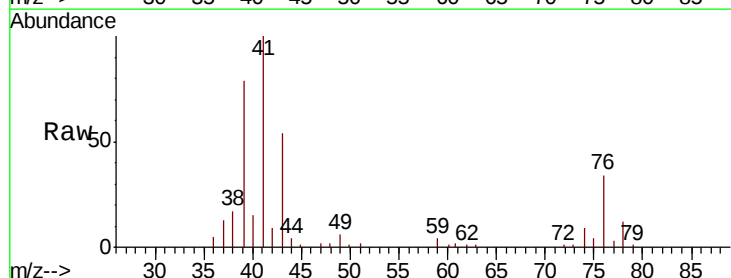
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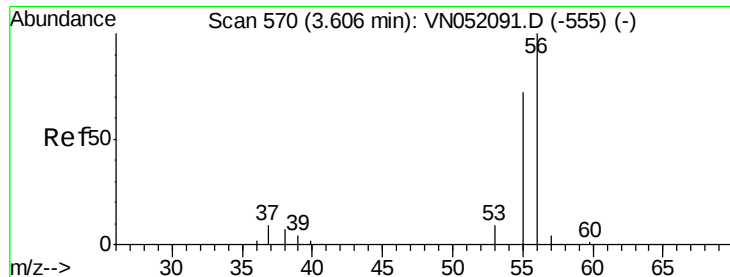
MMDadoda
11/14/2018 11:10:13 AM



#12
Methyl Acetate
Concen: 23.958 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.6	17.4	26.2





#13

Acrolein

Concen: 106.709 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 56 Resp: 25158

Ion Ratio Lower Upper

56 100

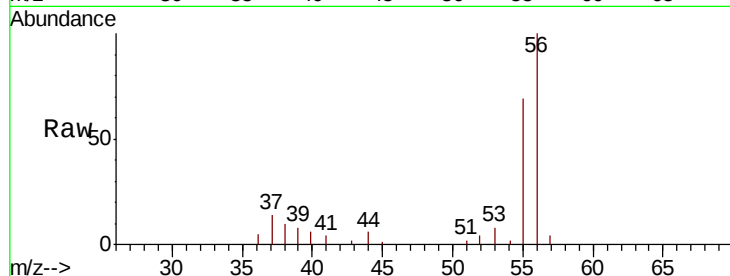
55 72.9 56.2 84.2

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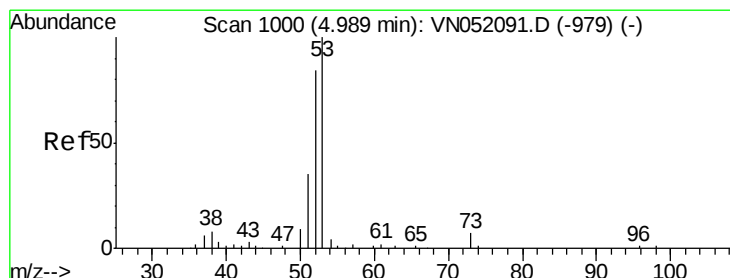
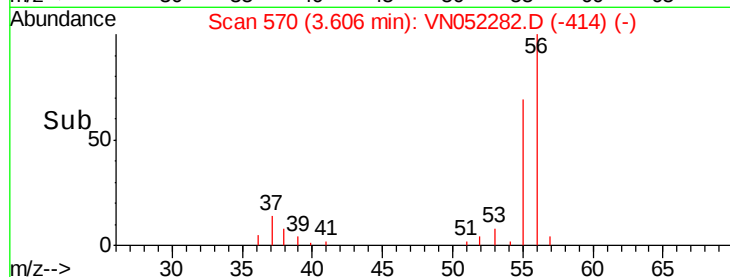
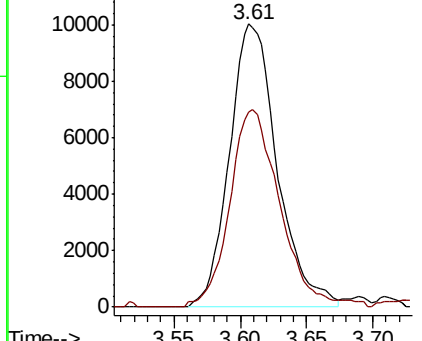
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 105.174 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

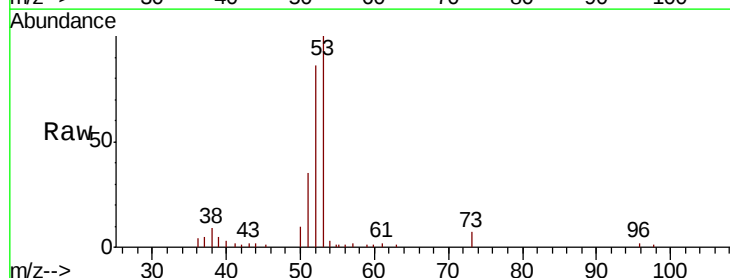
Tgt Ion: 53 Resp: 103672

Ion Ratio Lower Upper

53 100

52 86.8 41.3 124.1

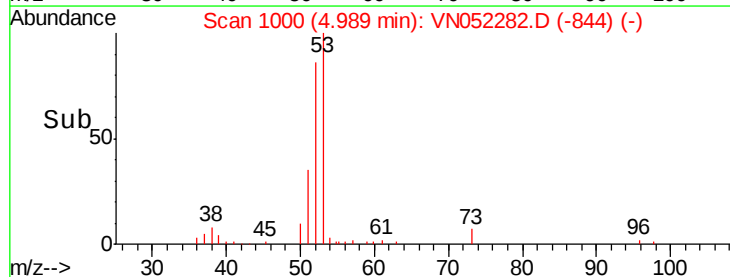
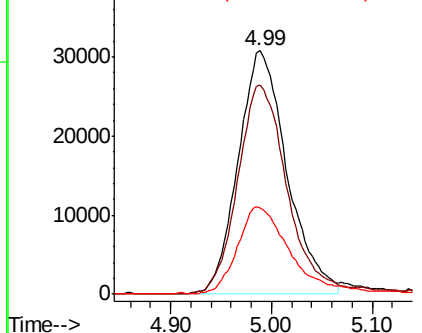
51 38.8 18.6 55.6

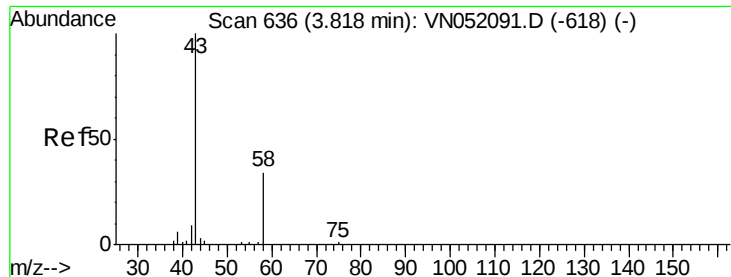


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 118.398 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 58 Resp: 27583

Ion Ratio Lower Upper

58 100

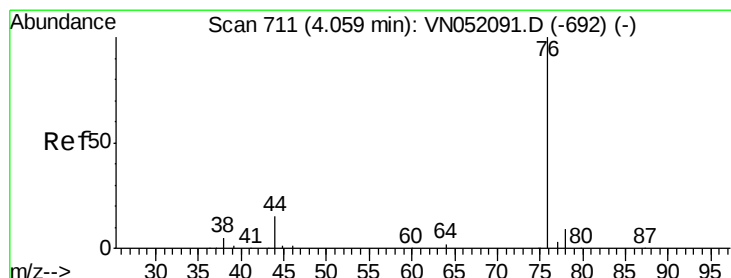
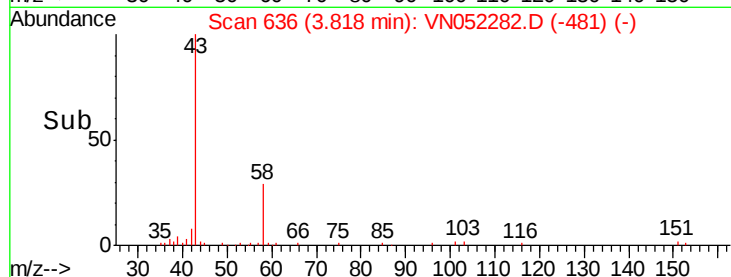
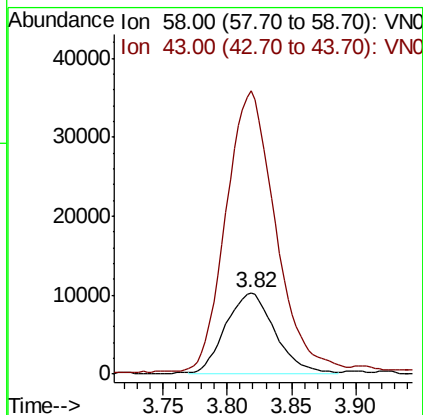
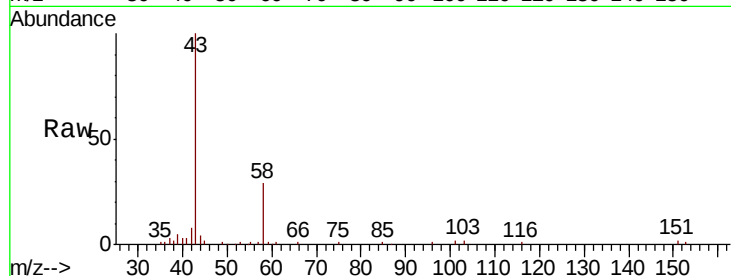
43 345.8 234.7 352.1

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#16

Carbon Disulfide

Concen: 18.630 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052282.D

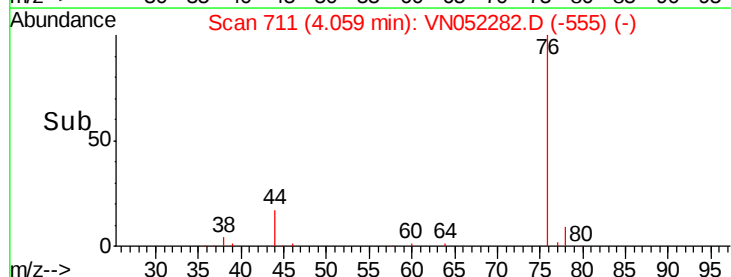
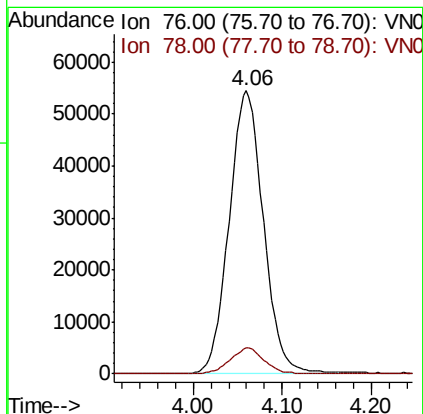
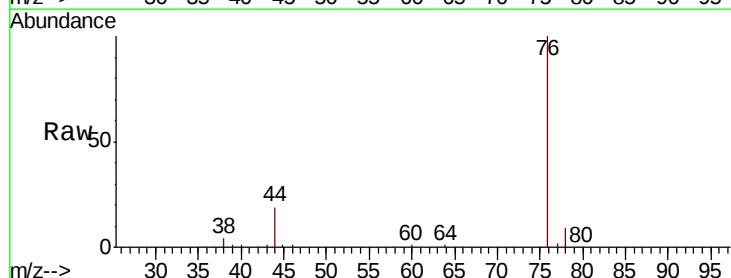
Acq: 13 Nov 2018 13:17

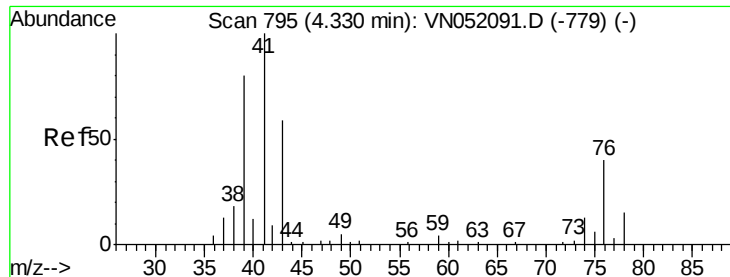
Tgt Ion: 76 Resp: 145261

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6





#17

Allvl chloride

Concen: 21.994 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_N

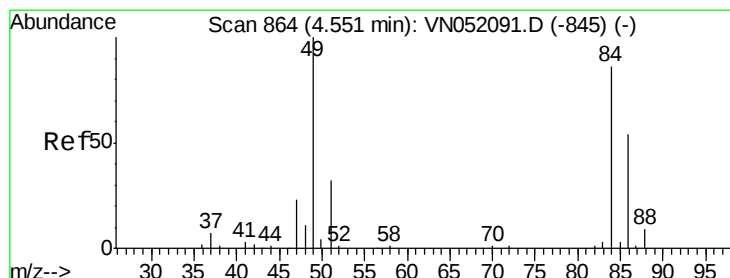
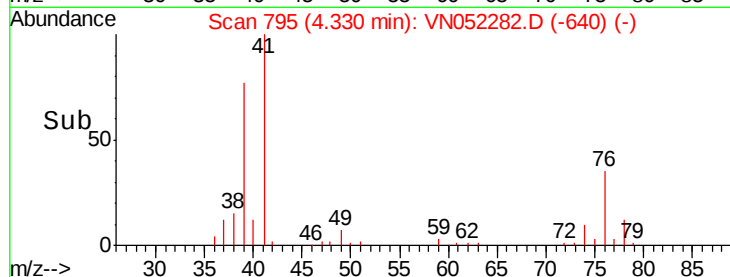
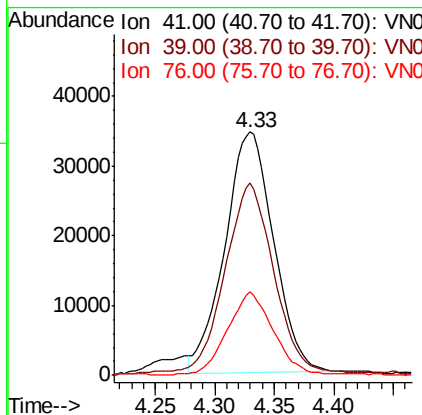
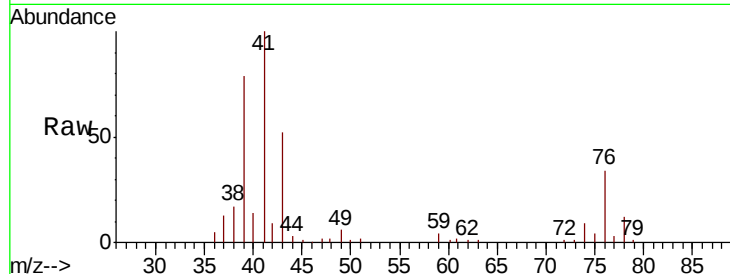
ClientSampleId :

VN1113WBS01

Tot Ion:	41	Resp:	98616
Ion Ratio	Lower	Upper	
41	100		
39	78.5	38.4	115.1
76	34.2	18.8	56.3

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#18

Methylene Chloride

Concen: 19.717 ug/l

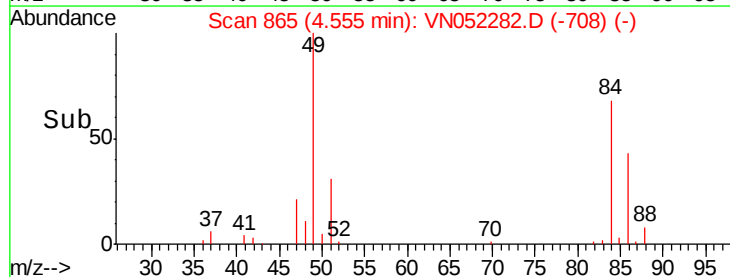
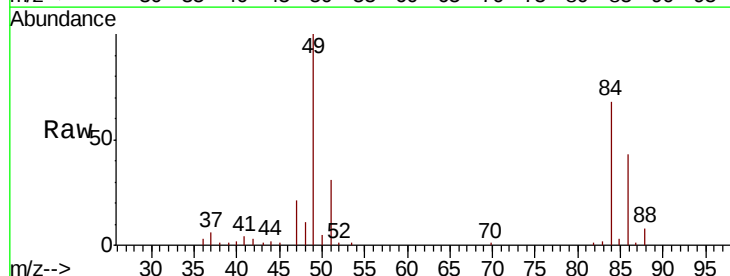
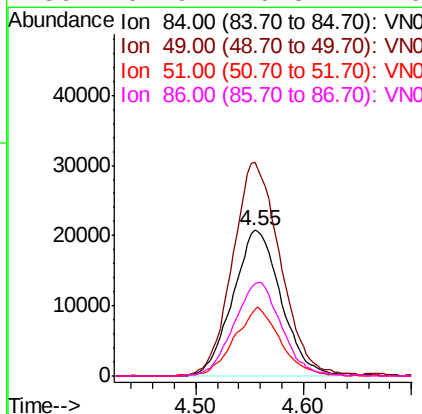
RT: 4.55 min Scan# 865

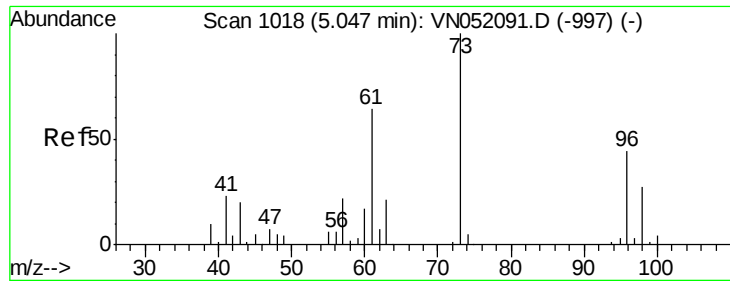
Delta R.T. 0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Tgt Ion:	84	Resp:	64268
Ion Ratio	Lower	Upper	
84	100		
49	145.7	92.6	138.8#
51	44.6	29.7	44.5#
86	62.9	49.8	74.6





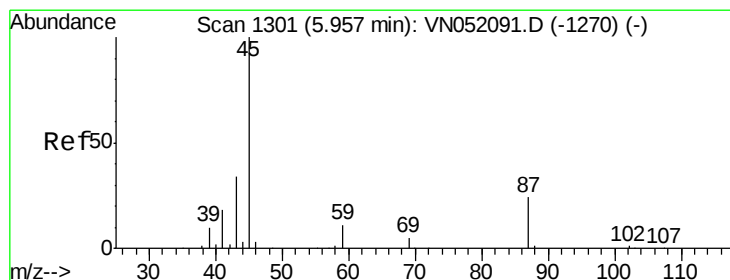
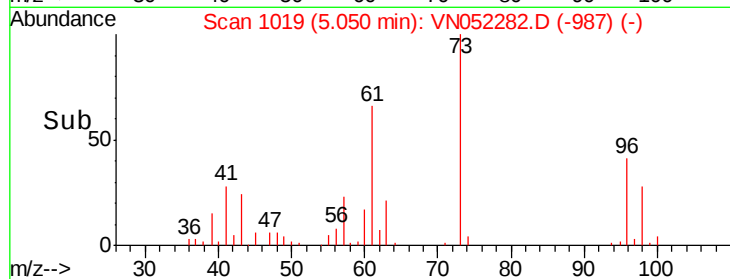
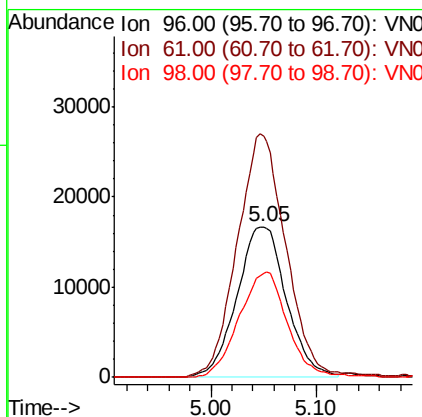
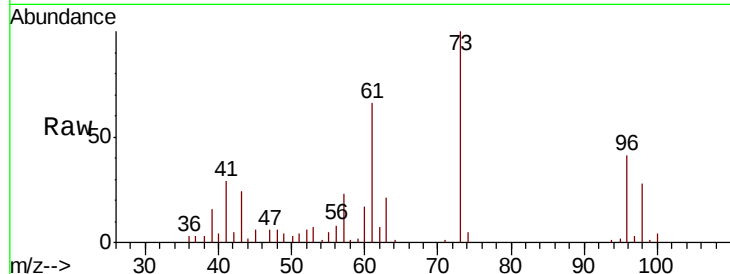
#19
trans-1,2-Dichloroethene
Concen: 18.786 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.2	117.8	176.6
98	69.5	49.3	73.9

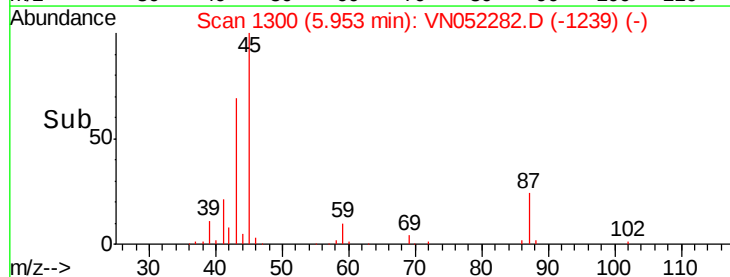
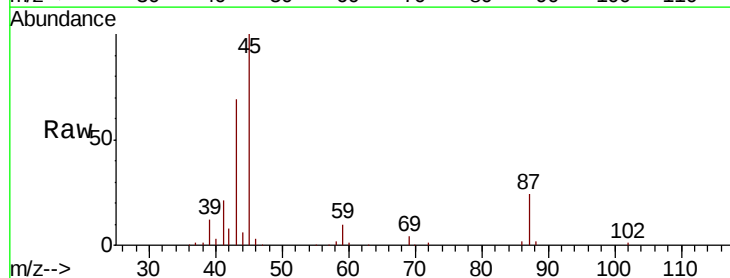
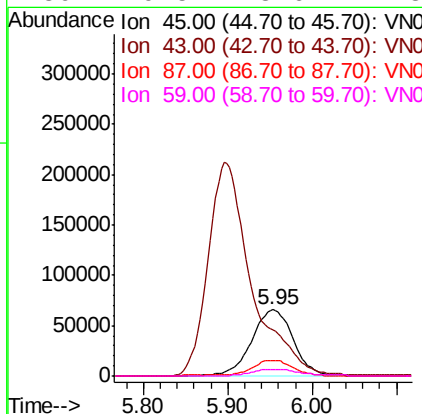
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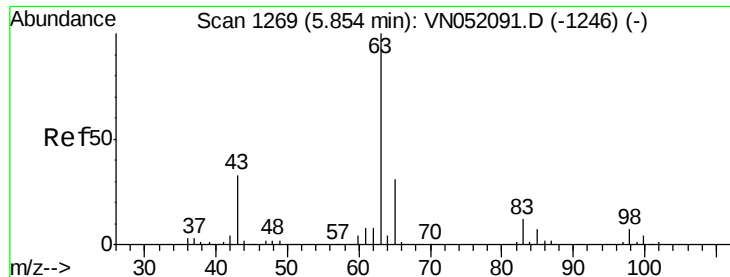
MMDadoda
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#20
Diisopropyl ether
Concen: 22.990 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.0	49.4	74.0
87	23.8	20.3	30.5
59	9.5	8.6	12.8





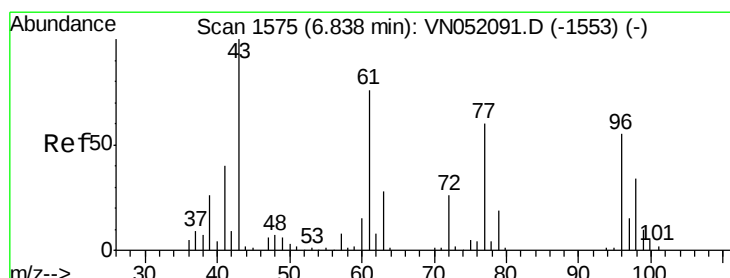
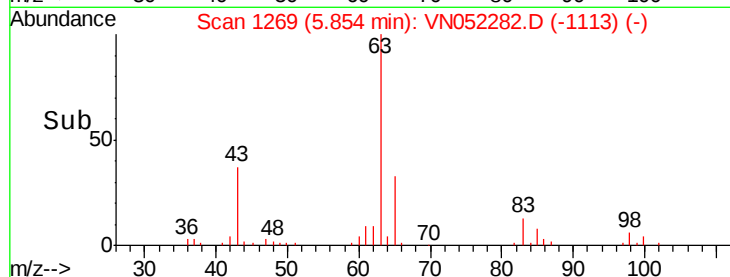
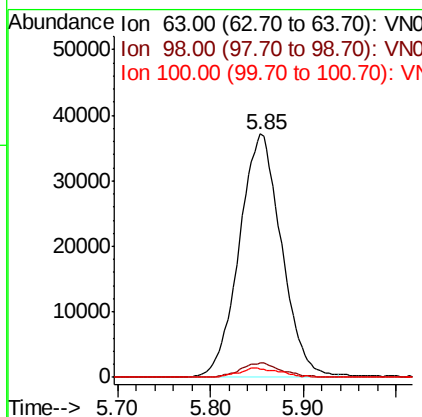
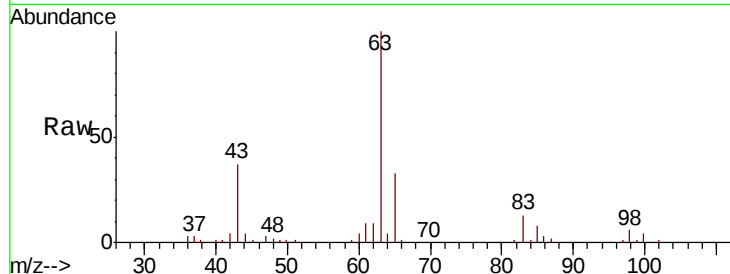
#21
 1,1-Dichloroethane
 Concen: 20.667 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.4	10.1
100	3.6	2.0	5.8

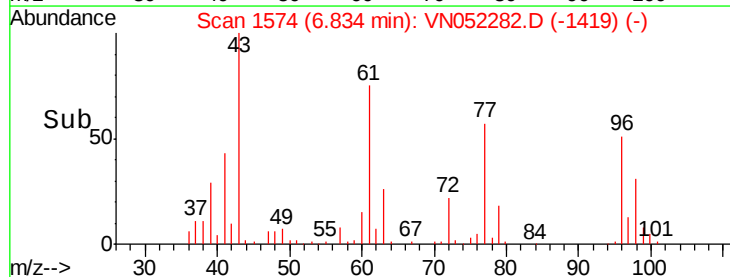
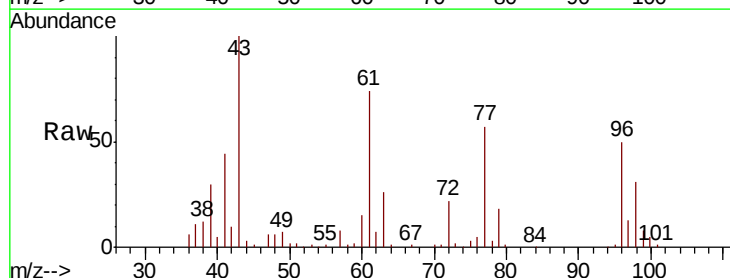
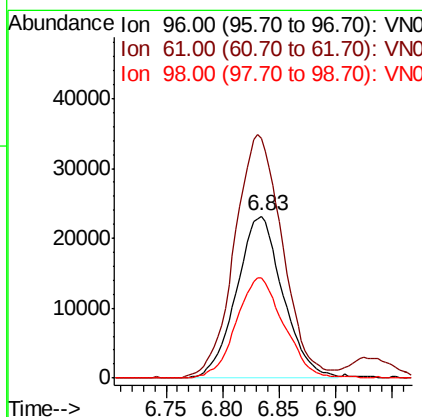
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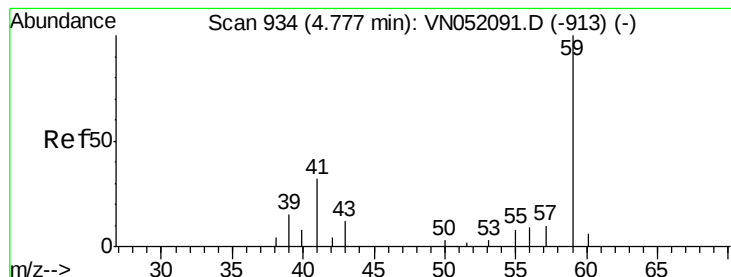
MMDadoda
 11/14/2018 11:10:13 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.564 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	117.6	176.4
98	63.4	51.0	76.4





#23

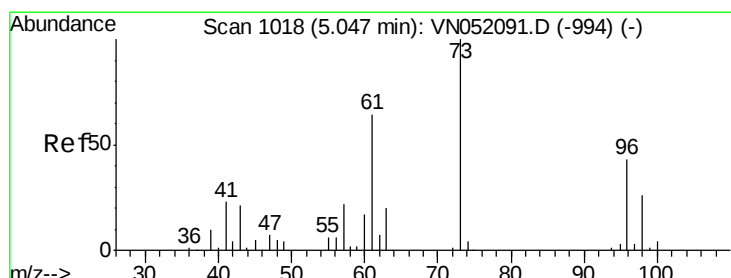
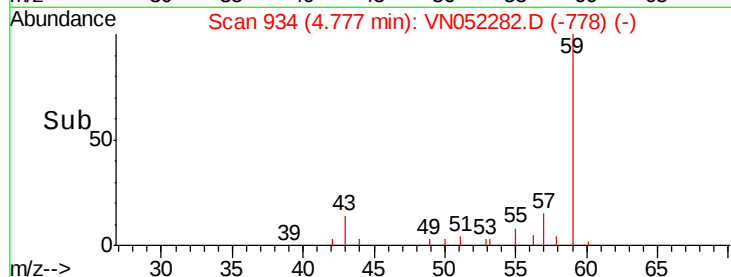
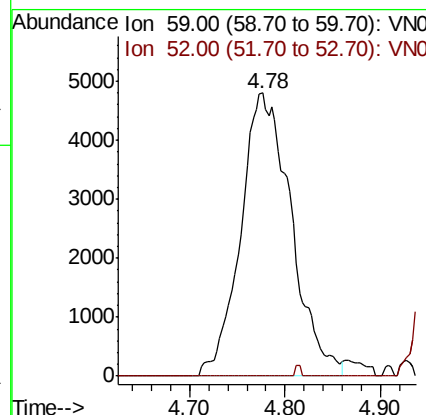
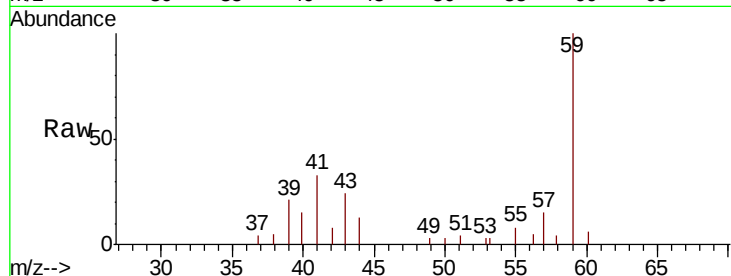
tert-Butyl Alcohol
 Concen: 115.060 ug/l m
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	59	Ratio	Lower	Upper
17671	100			
52	0.4	0.3	0.5	

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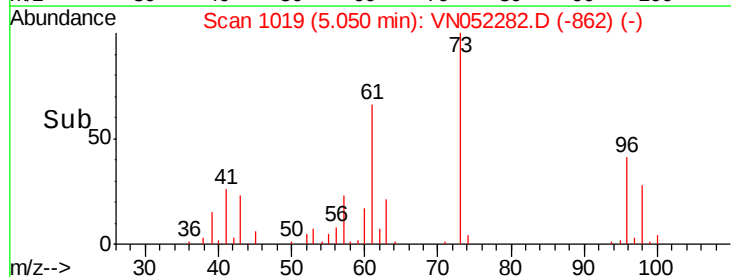
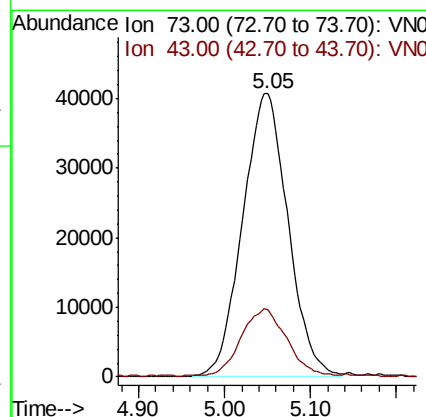
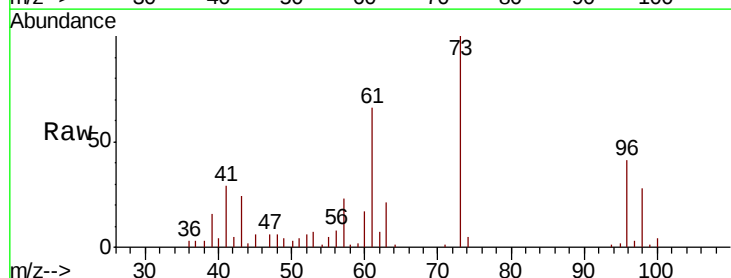
MMDadoda
 11/14/2018 11:10:13 AM

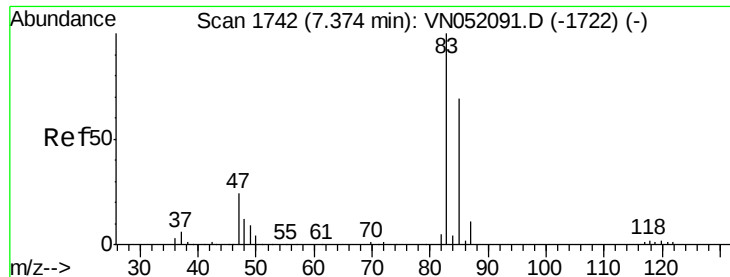


#24

Methyl tert-Butyl Ether
 Concen: 19.987 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Tgt Ion	73	Ratio	Lower	Upper
149633	100			
43	23.4	17.4	26.2	





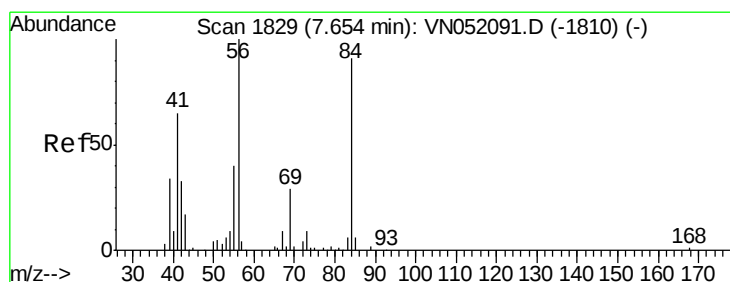
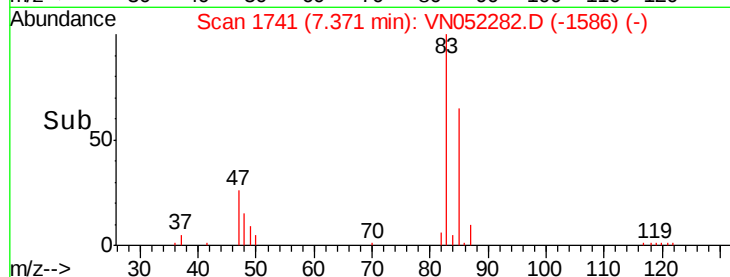
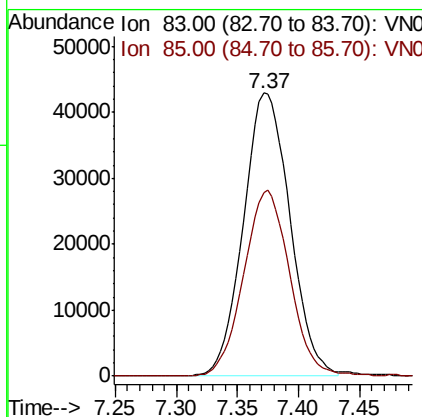
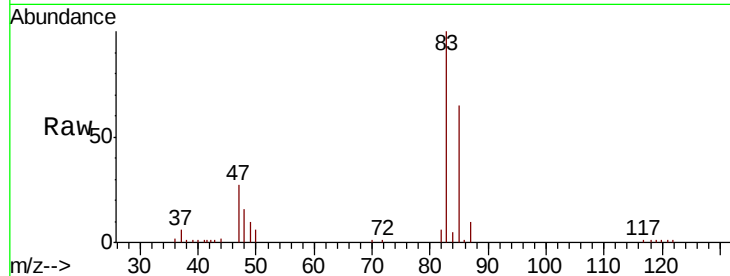
#25
Chloroform
Concen: 19.894 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	83	Resp	113740
Ion Ratio	100	Lower	Upper
85	65.0	54.9	82.3

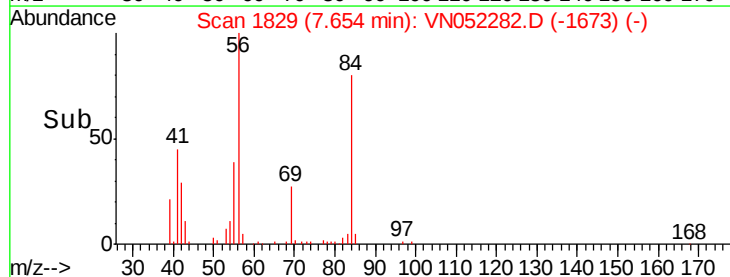
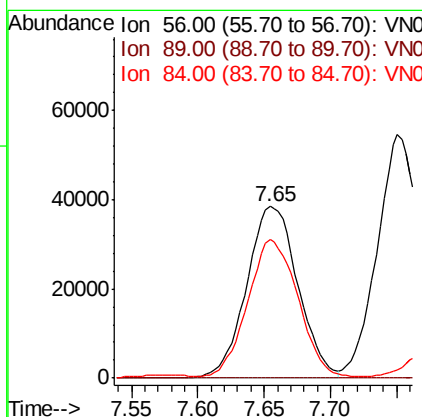
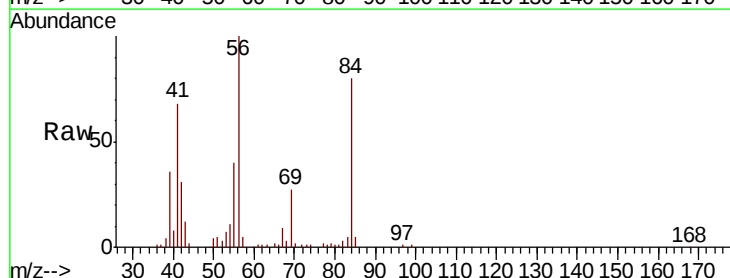
Manual Integrations
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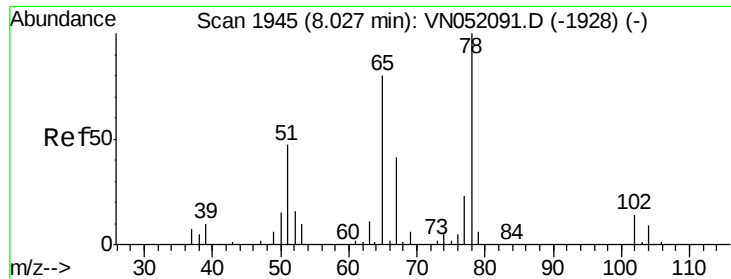
MMDadoda
11/14/2018 11:10:13 AM



#26
Cyclohexane
Concen: 20.305 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Tgt Ion	56	Resp	103640
Ion Ratio	100	Lower	Upper
89	0.0	2.2	3.2#
84	78.6	71.0	106.6





#27

1,2-Dichloroethane-d4

Concen: 20.305 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 65 Resp: 111691

Ion Ratio Lower Upper

65 100

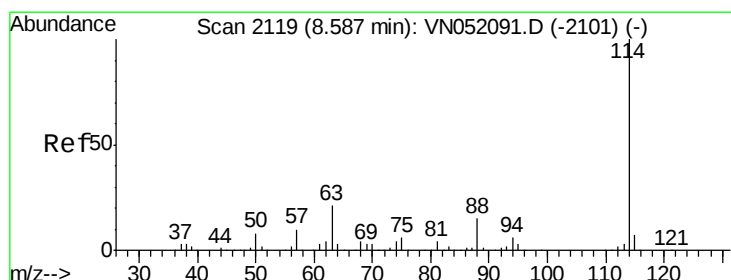
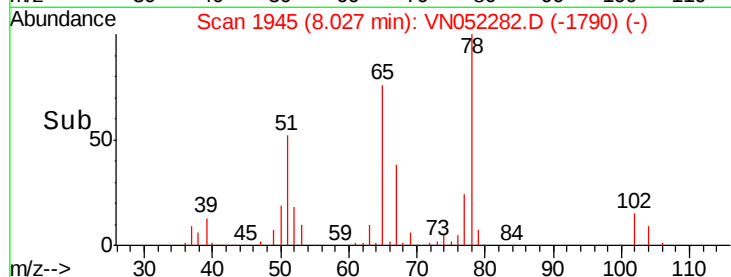
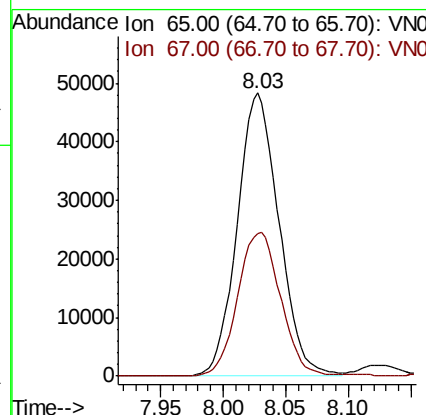
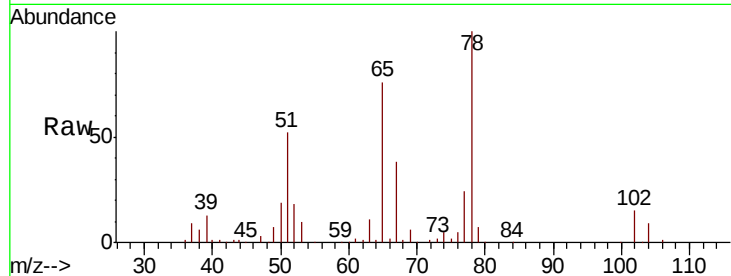
67 52.4 42.6 64.0

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

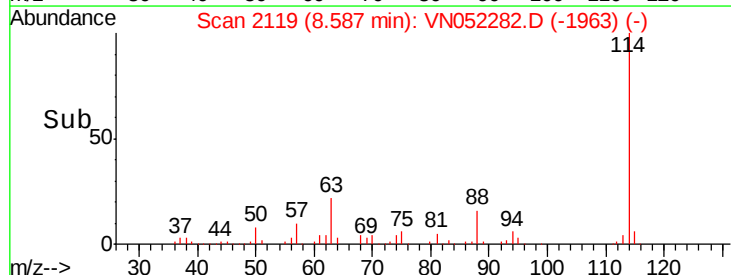
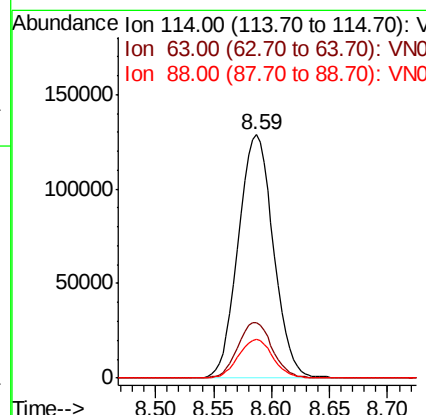
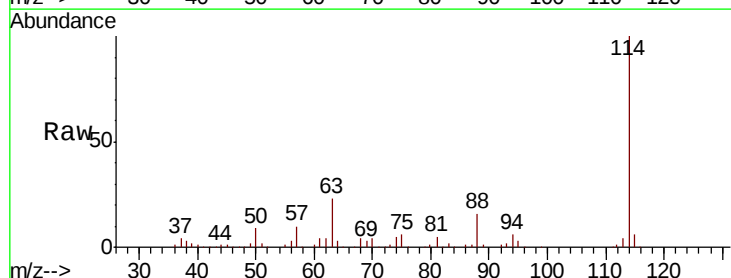
Tgt Ion: 114 Resp: 271153

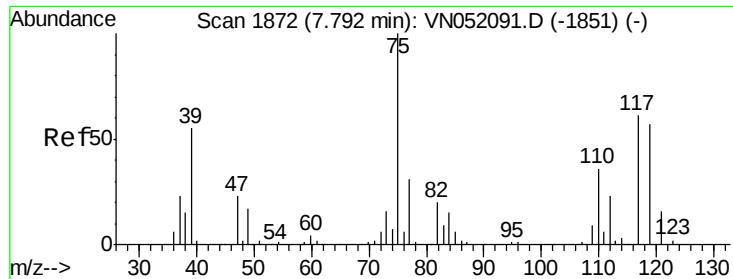
Ion Ratio Lower Upper

114 100

63 22.4 17.5 26.3

88 15.6 12.6 18.8





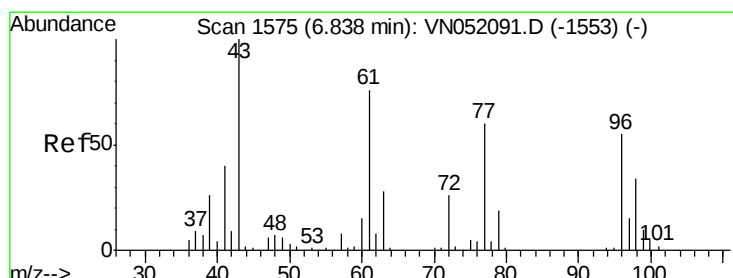
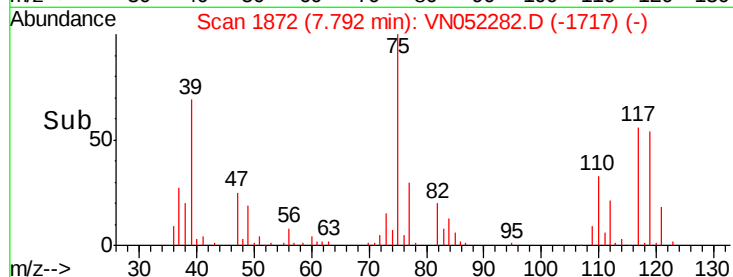
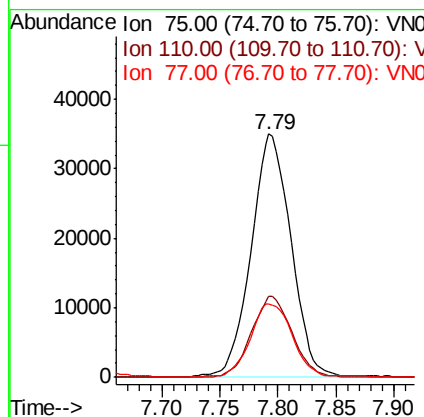
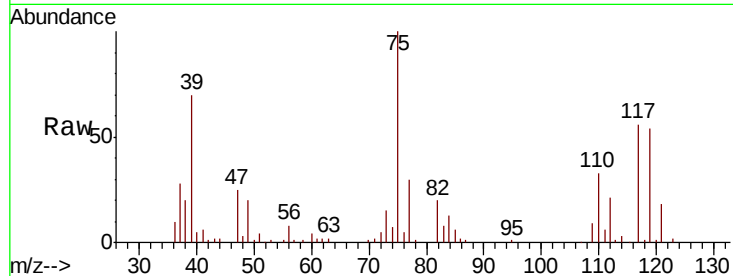
#29
 1,1-Dichloropropene
 Concen: 19.524 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.8	0.0	67.6
77	31.9	0.0	60.2

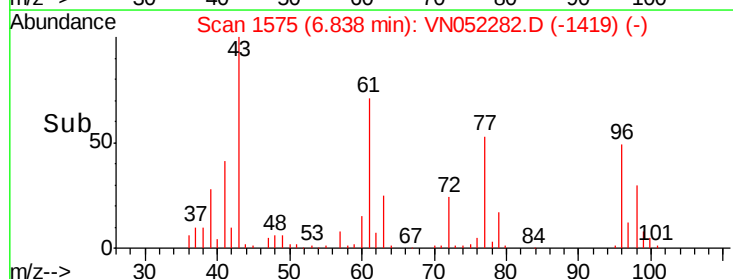
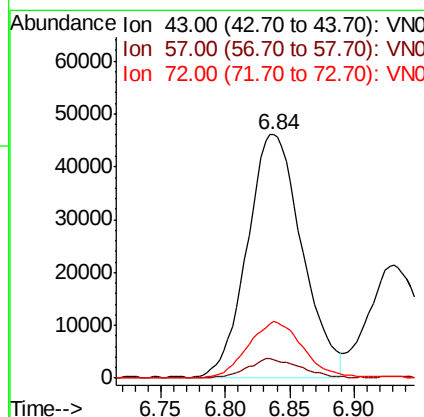
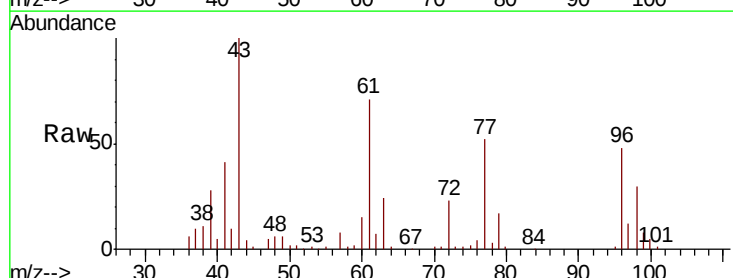
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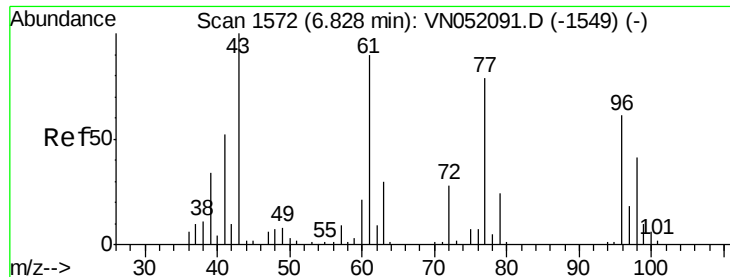
MMDadoda
 11/14/2018 11:10:13 AM



#30
 2-Butanone
 Concen: 119.068 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	6.6	9.8
72	23.4	9.2	13.8#





#31

2,2-Dichloropropane

Concen: 19.186 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 77 Resp: 85082

Ion Ratio Lower Upper

77 100

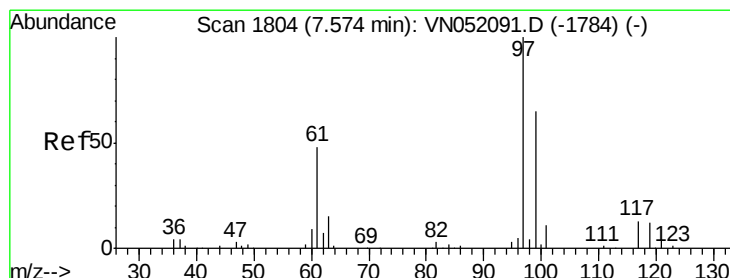
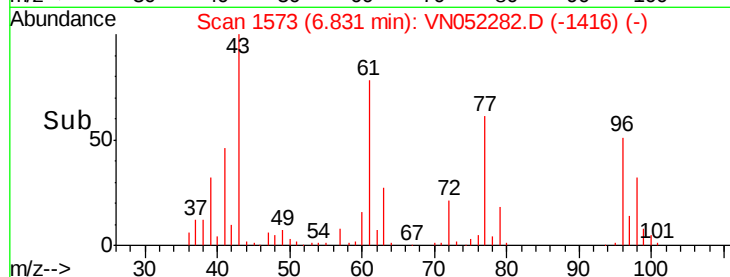
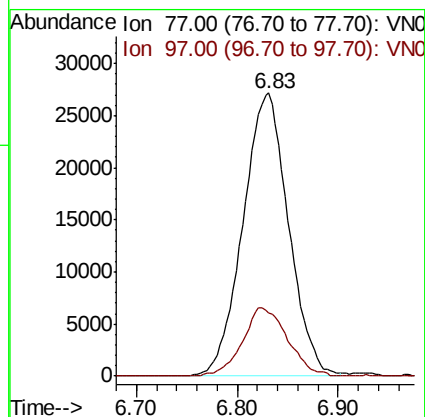
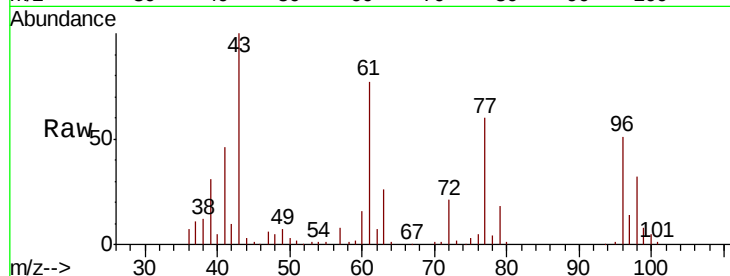
97 23.9 18.2 27.2

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#32

1,1,1-Trichloroethane

Concen: 19.396 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

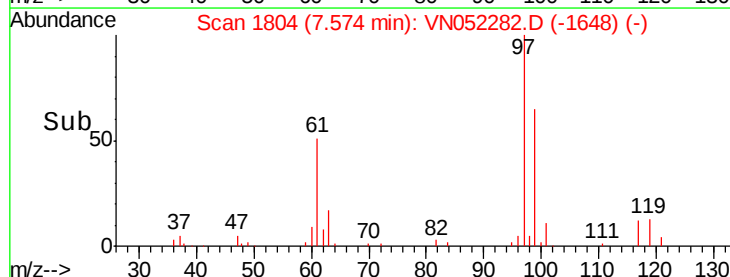
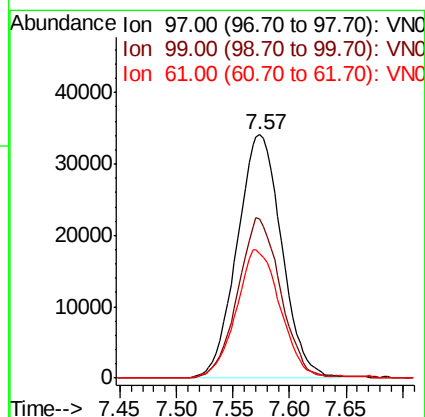
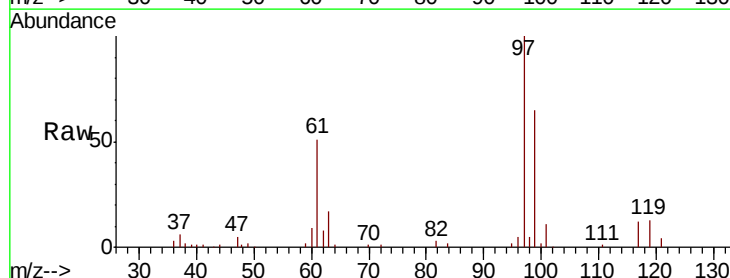
Tgt Ion: 97 Resp: 93425

Ion Ratio Lower Upper

97 100

99 63.1 51.7 77.5

61 52.3 38.7 58.1





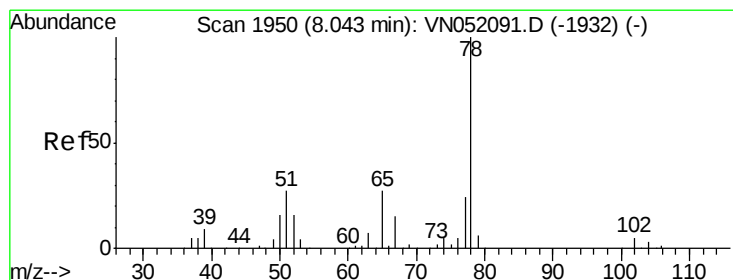
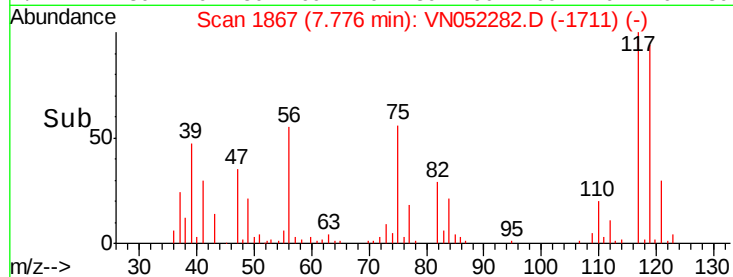
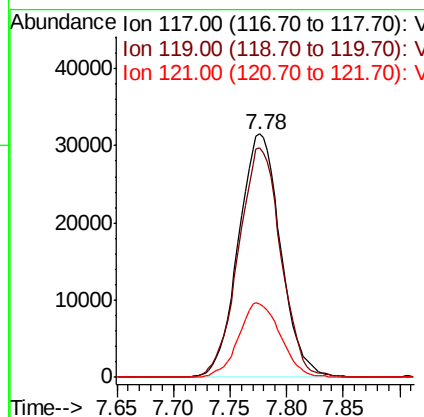
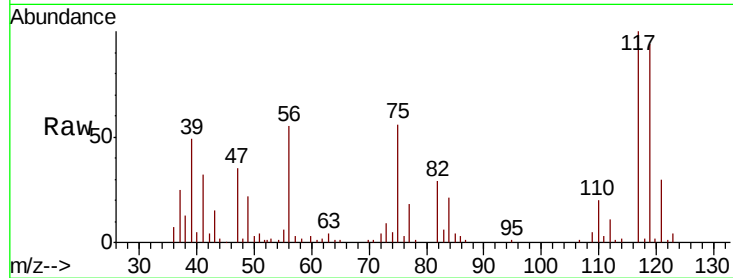
#33
Carbon Tetrachloride
Concen: 19.057 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.3	74.7	112.1
121	29.9	23.4	35.0

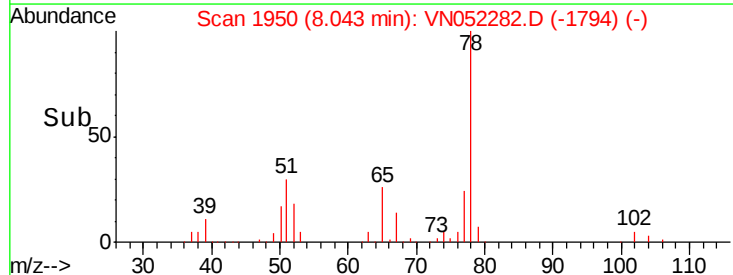
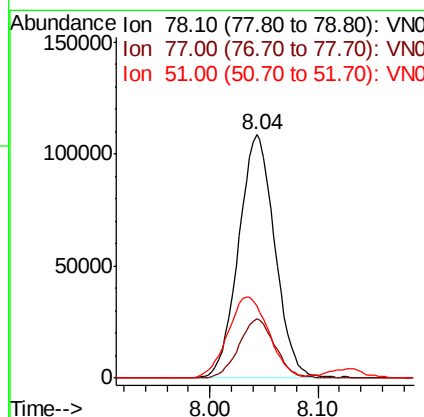
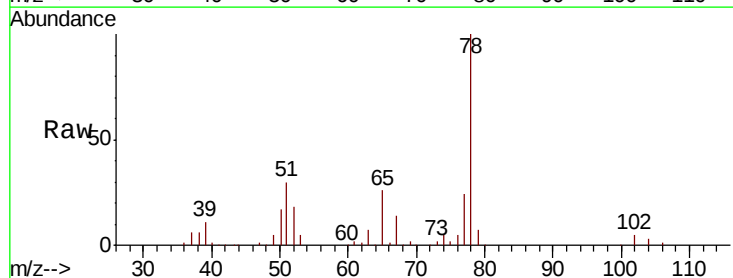
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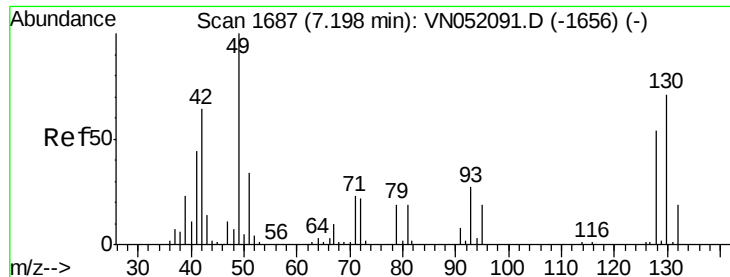
MMDadoda
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#34
Benzene
Concen: 20.158 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7
51	29.4	21.2	31.8





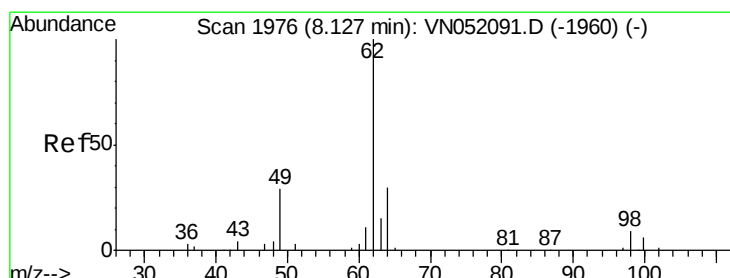
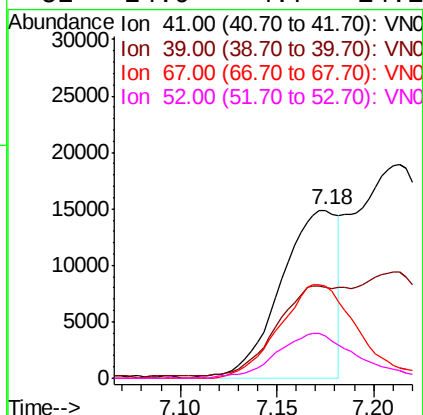
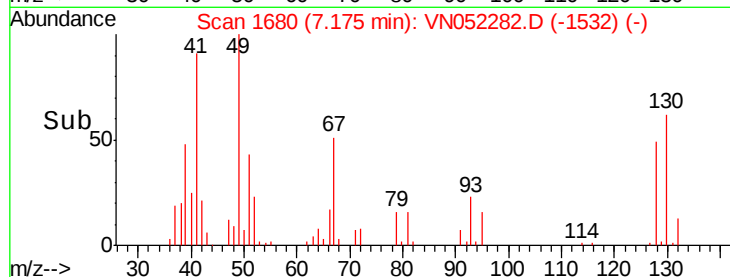
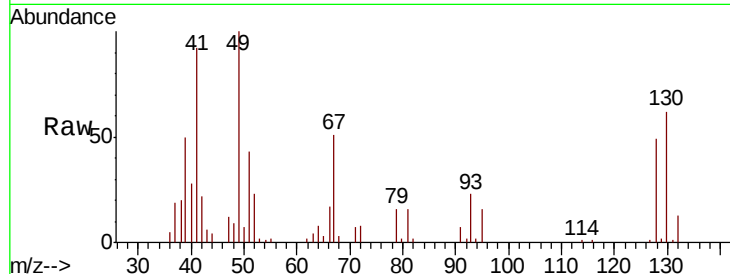
#35
Methacrylonitrile
Concen: 19.441 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.02 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.6	26.1	78.3
67	55.1	11.0	33.0
52	24.9	4.7	14.1

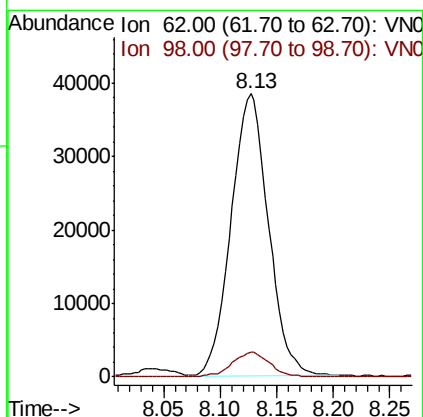
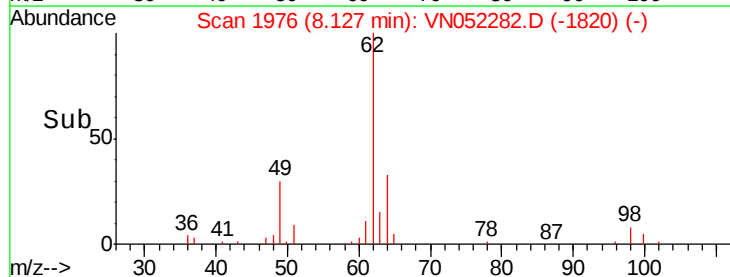
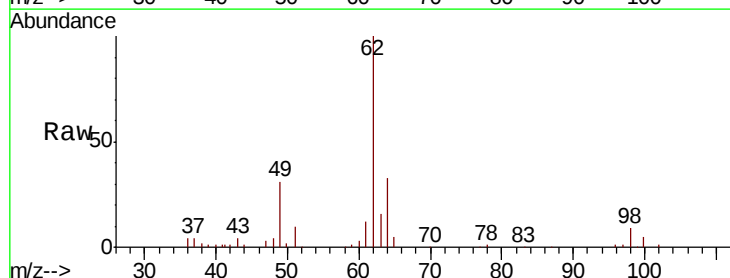
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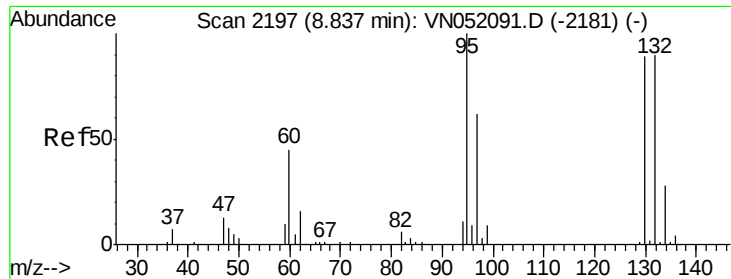
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#36
1,2-Dichloroethane
Concen: 20.954 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	6.7	10.1





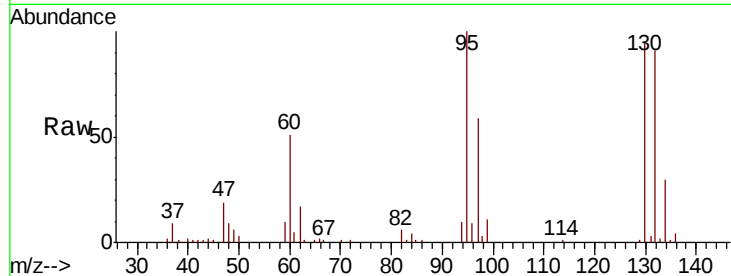
#37
 Trichloroethene
 Concen: 19.601 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

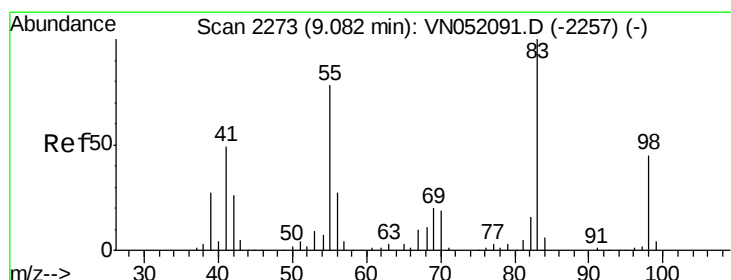
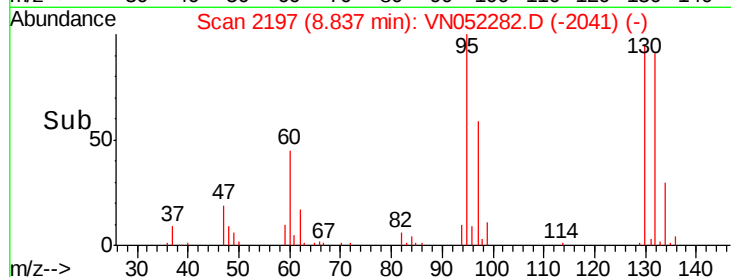
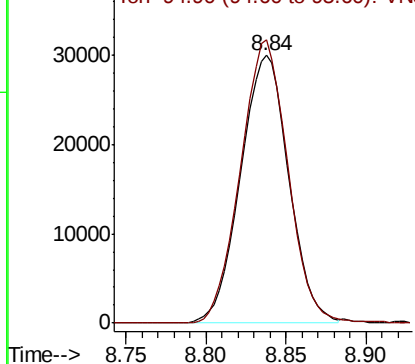
Tot Ion:130 Resp: 61840
 Ion Ratio Lower Upper
 130 100
 95 105.8 89.9 134.9

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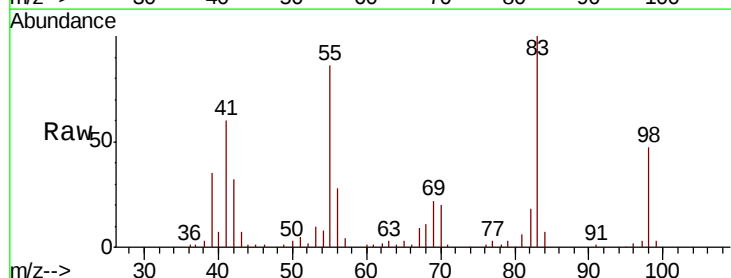


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): V

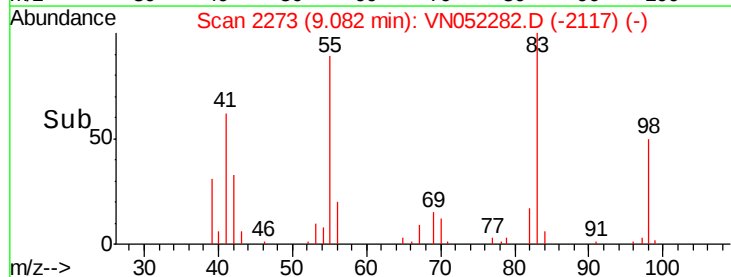
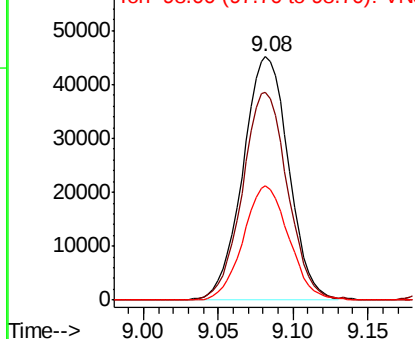


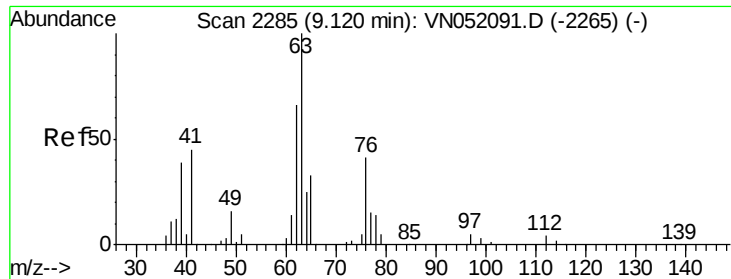
#38
 Methylcyclohexane
 Concen: 18.284 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Tgt Ion: 83 Resp: 96020
 Ion Ratio Lower Upper
 83 100
 55 84.2 38.5 115.3
 98 46.8 23.2 69.6



Abundance Ion 83.00 (82.70 to 83.70): V
 Ion 55.00 (54.70 to 55.70): V
 Ion 98.00 (97.70 to 98.70): V





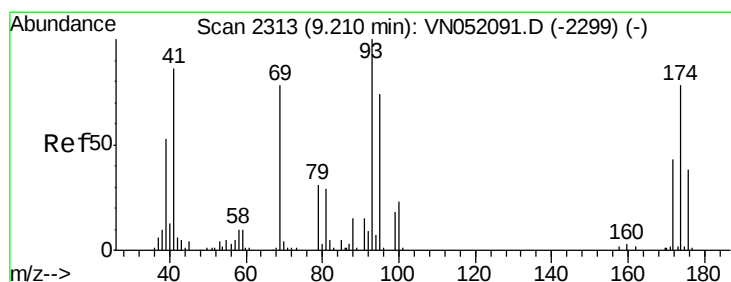
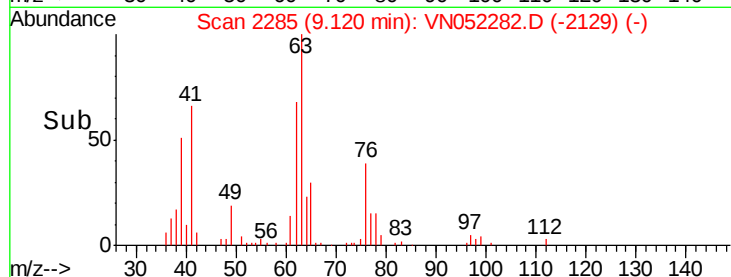
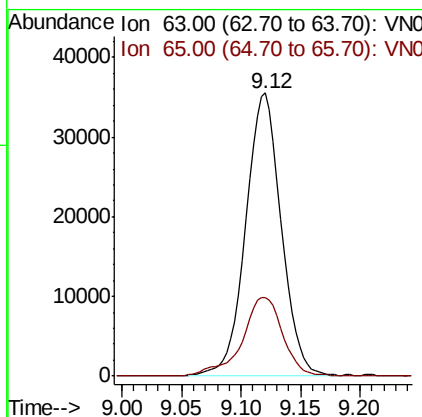
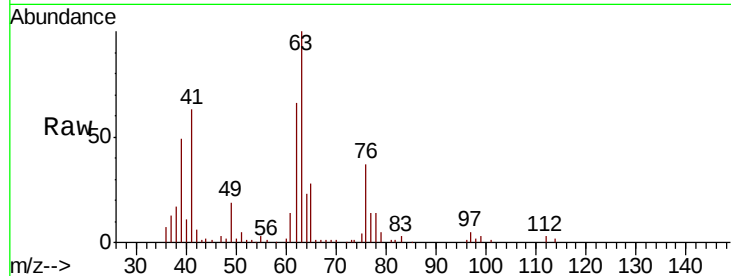
#39
 1,2-Dichloropropane
 Concen: 21.917 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion: 63 Resp: 73540
 Ion Ratio Lower Upper
 63 100
 65 27.9 27.3 40.9

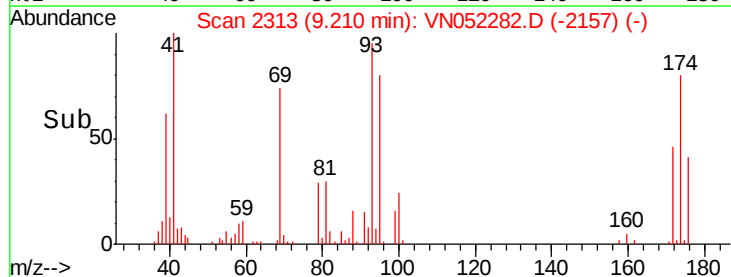
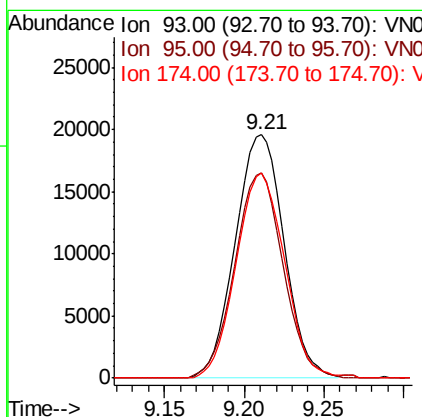
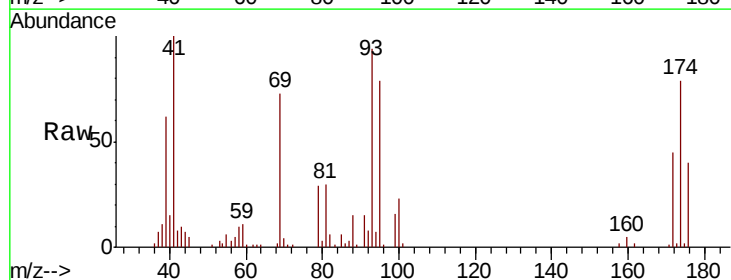
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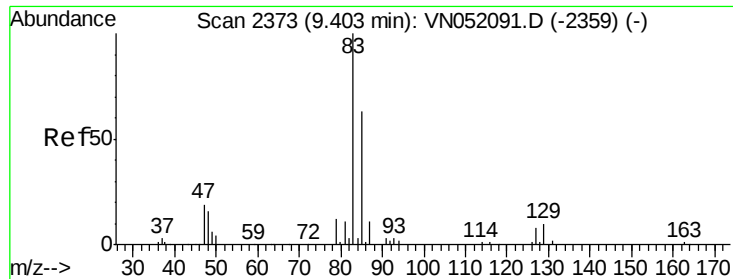
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#40
 Dibromomethane
 Concen: 19.782 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Tgt Ion: 93 Resp: 40913
 Ion Ratio Lower Upper
 93 100
 95 83.6 0.0 161.2
 174 83.5 0.0 165.0





#41

Bromodichloromethane

Concen: 19.676 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_N

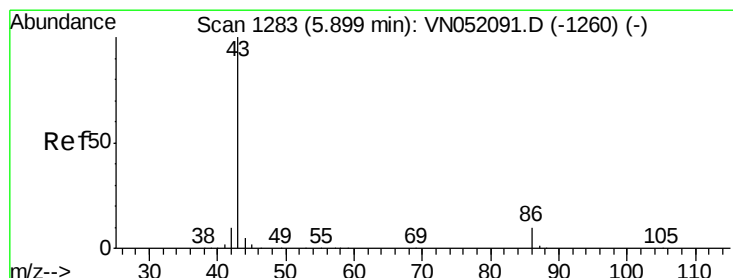
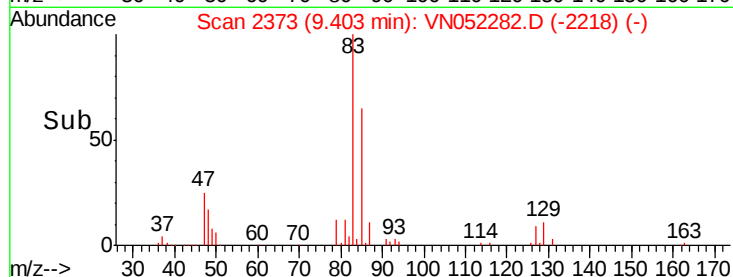
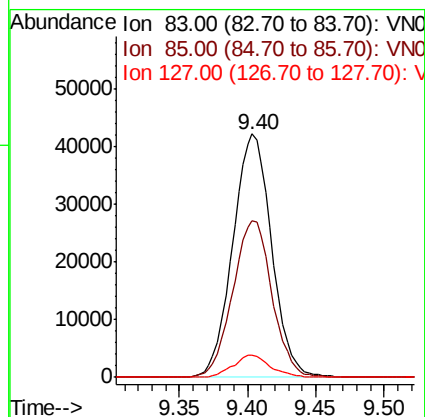
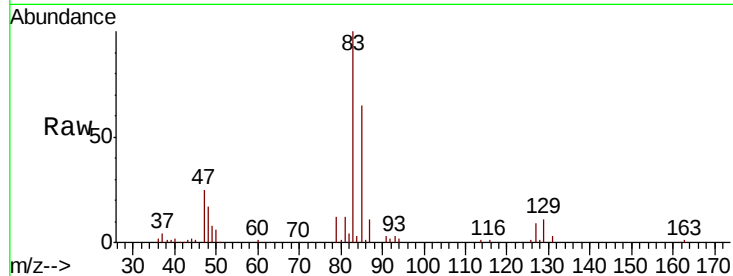
ClientSampleId :

VN1113WBS01

Tot Ion:	83	Resp:	83265
Ion Ratio	Lower	Upper	
83	100		
85	64.6	50.2	75.2
127	8.9	6.6	10.0

Manual Integrations
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11/14/2018 11:10:13 AM



#42

Vinyl Acetate

Concen: 113.207 ug/l

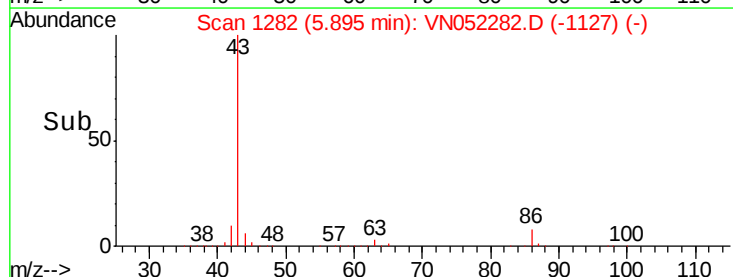
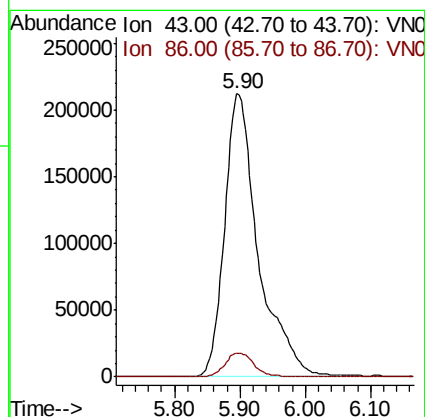
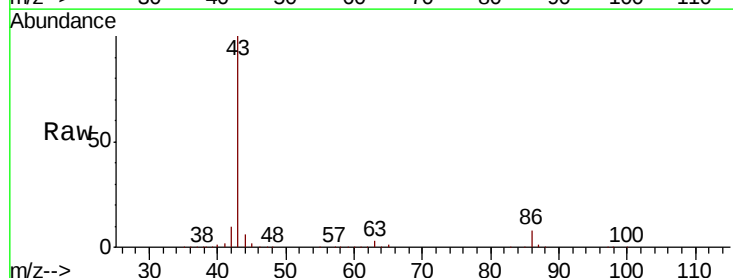
RT: 5.90 min Scan# 1282

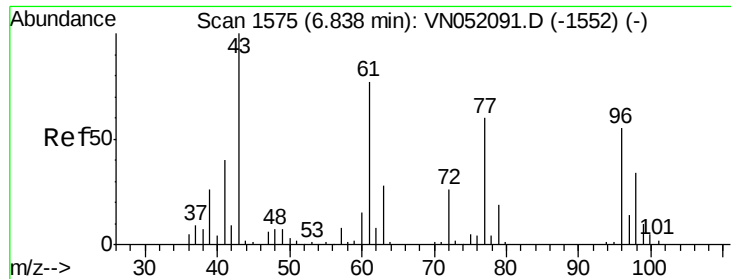
Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Tgt Ion:	43	Resp:	759796
Ion Ratio	Lower	Upper	
43	100		
86	7.2	6.6	10.0





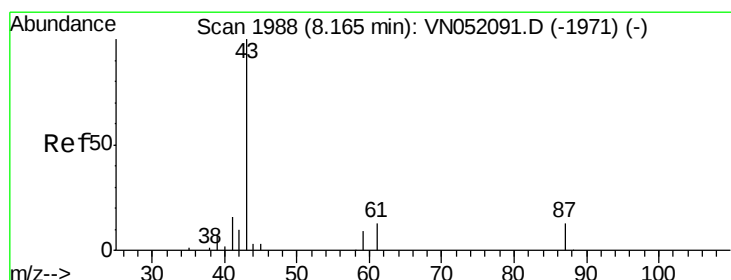
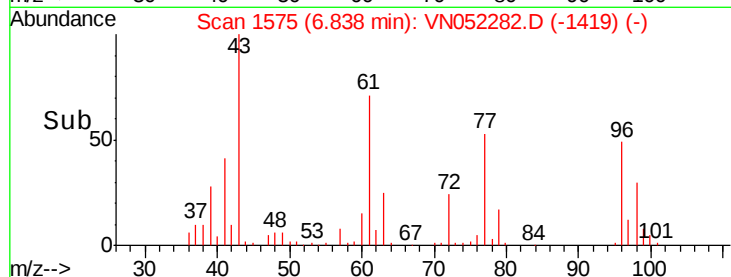
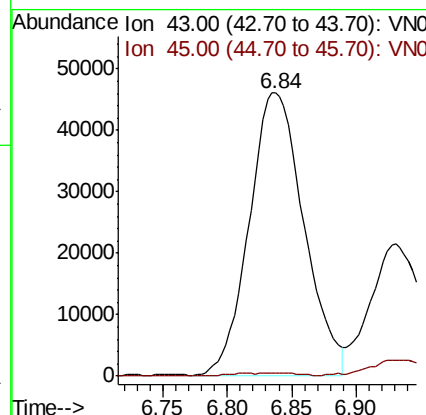
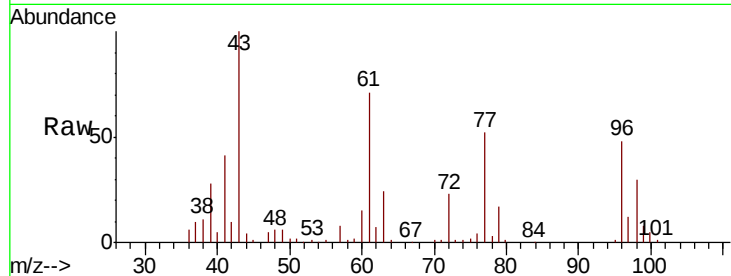
#43
Ethyl Acetate
Concen: 23.693 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion: 43 Resp: 136505
Ion Ratio Lower Upper
43 100
45 0.3 3.8 5.8#

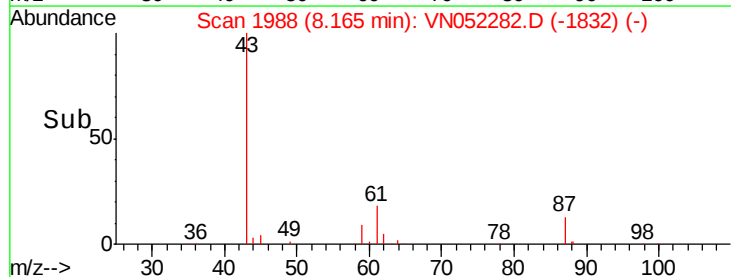
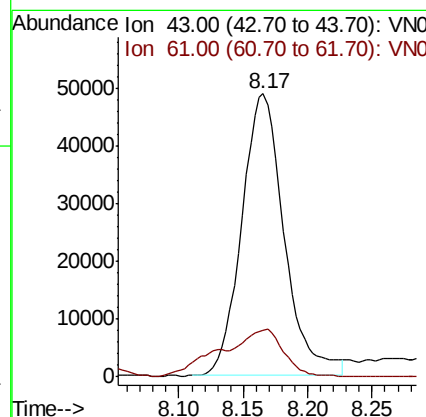
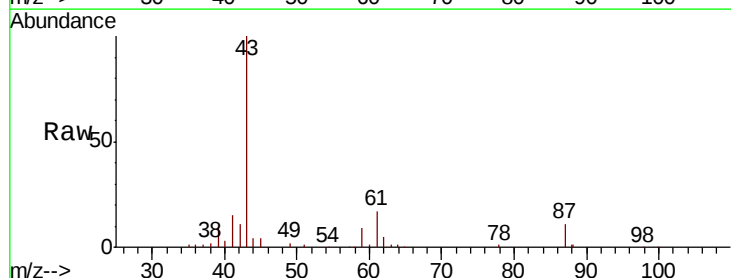
Manual Integrations
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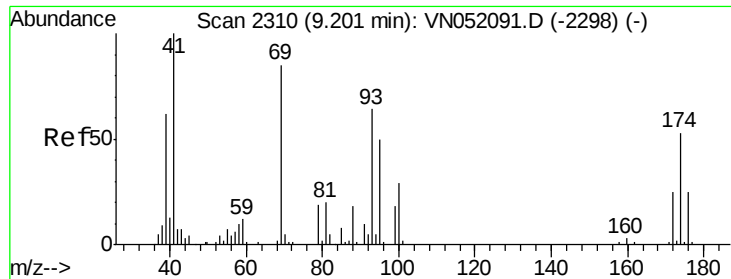
MMDadoda
11/14/2018 11:10:13 AM



#44
Isopropyl Acetate
Concen: 23.544 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Tgt Ion: 43 Resp: 112310
Ion Ratio Lower Upper
43 100
61 15.1 16.2 24.2#





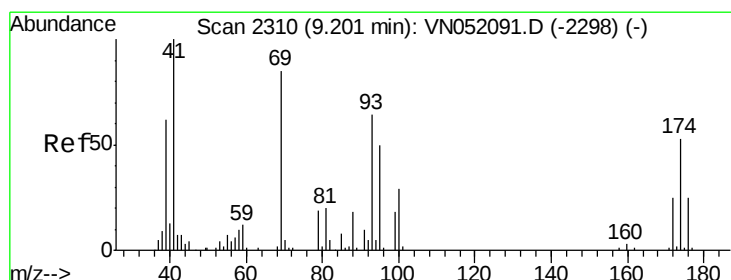
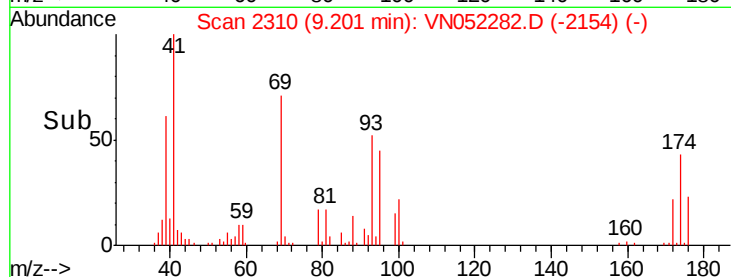
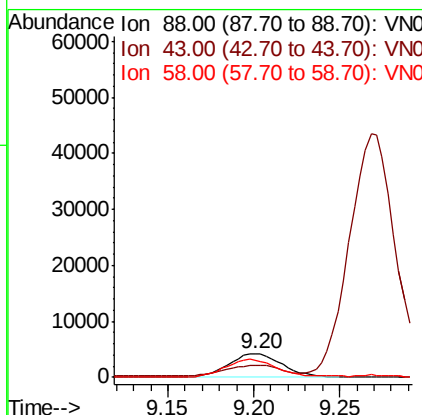
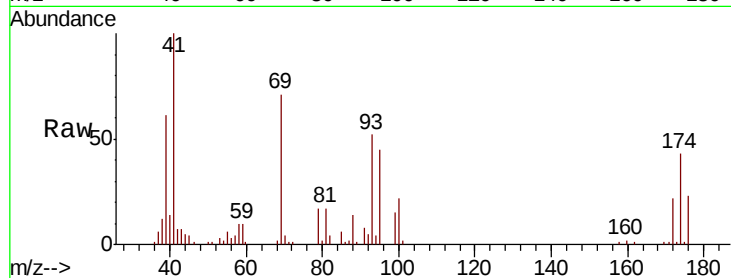
#45
 1,4-Dioxane
 Concen: 416.200 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.6	28.6	43.0#
58	73.9	37.8	56.8#

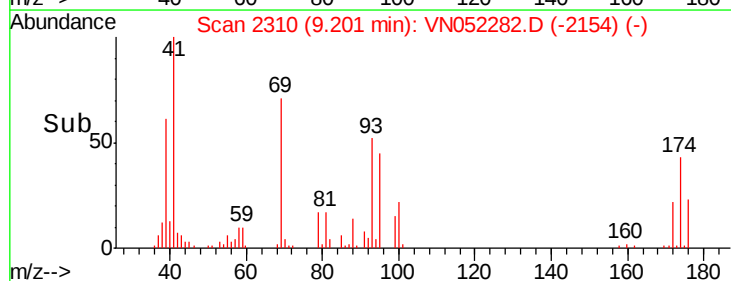
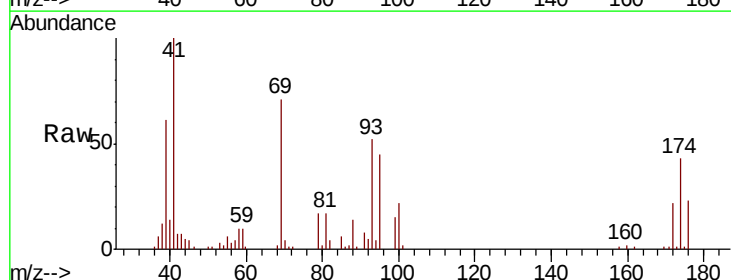
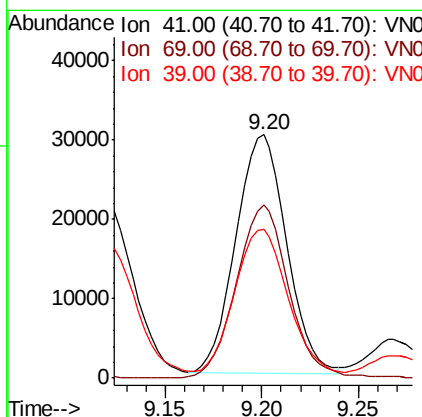
Manual Integrations
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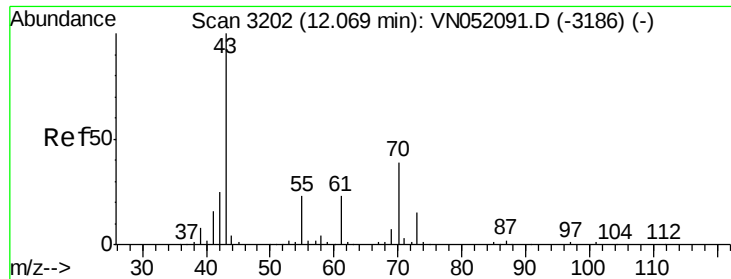
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 11/14/2018 11:10:13 AM



#46
 Methyl methacrylate
 Concen: 23.116 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Tgt Ion	Ratio	Lower	Upper
41	100		
69	72.2	42.5	127.6
39	60.0	31.1	93.3





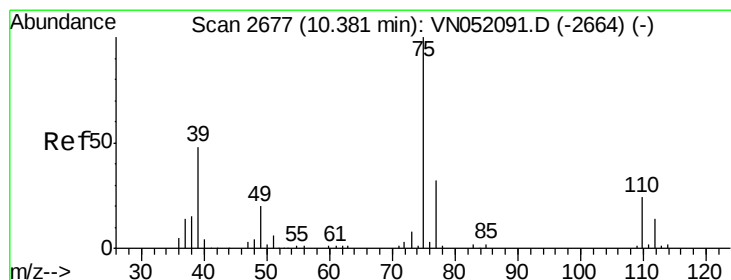
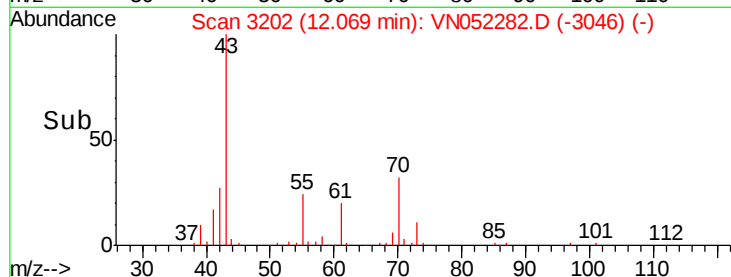
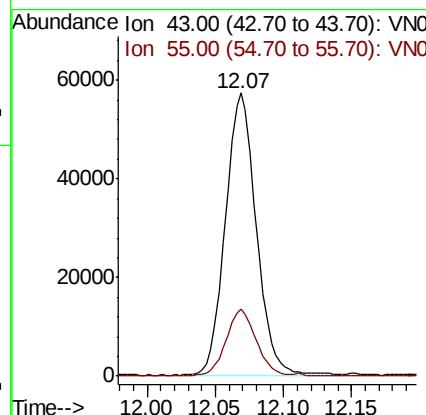
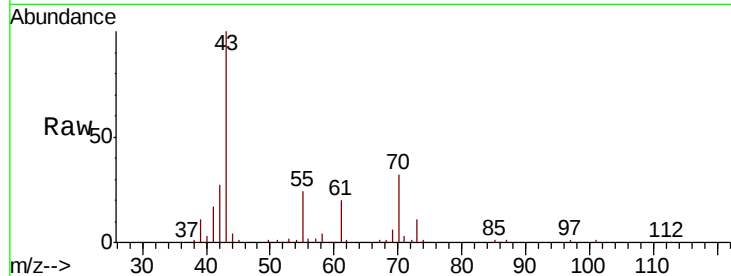
#47
n-amyl Acetate
Concen: 20.786 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion: 43 Resp: 89877
Ion Ratio Lower Upper
43 100
55 23.3 0.0 0.0#

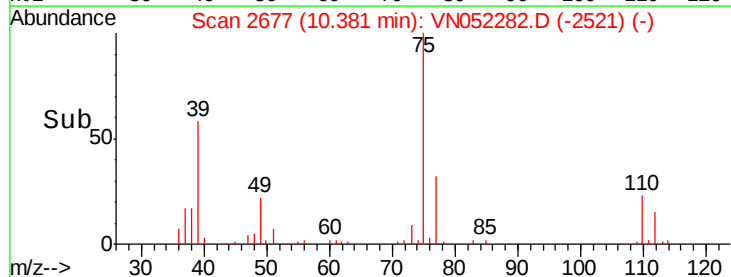
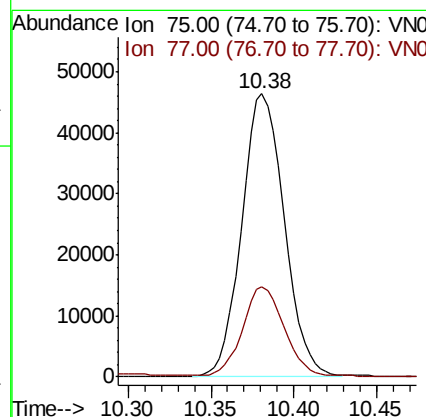
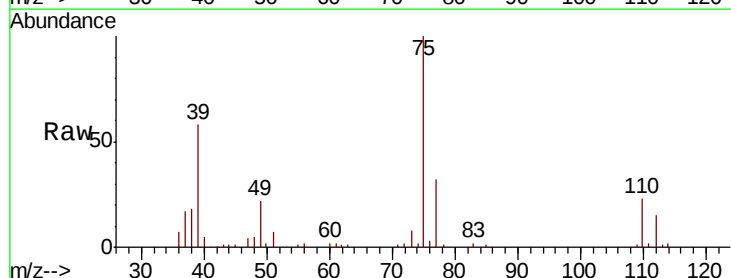
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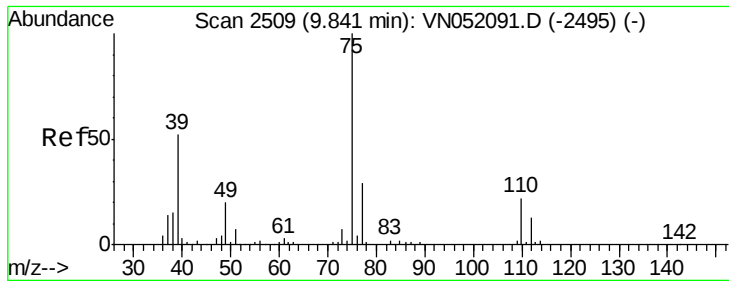
MMDadoda
11/14/2018 11:10:13 AM



#48
t-1,3-Dichloropropene
Concen: 19.785 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Tgt Ion: 75 Resp: 83139
Ion Ratio Lower Upper
75 100
77 31.5 26.3 39.5





#49

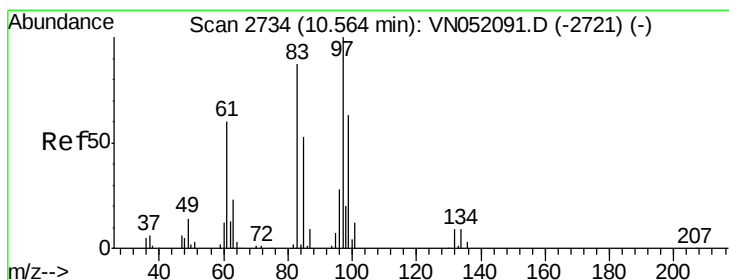
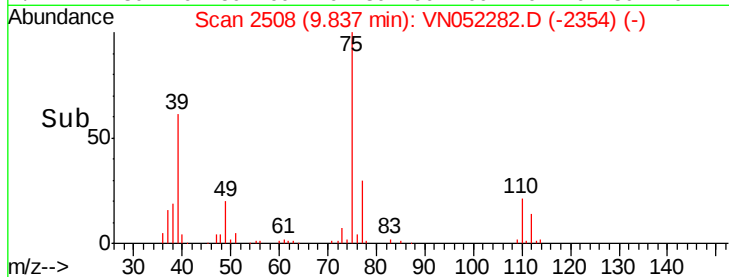
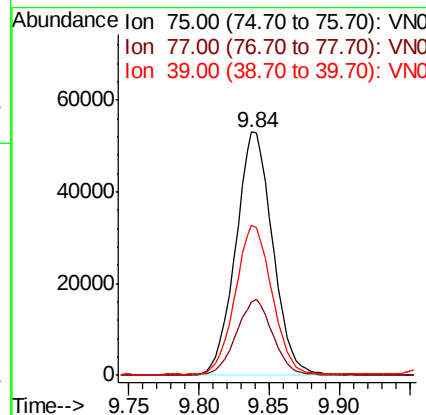
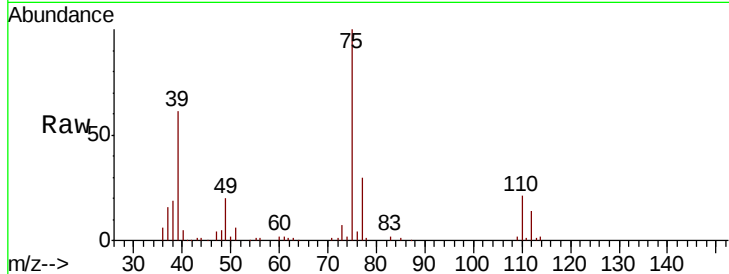
cis-1,3-Dichloropropene
 Concen: 20.079 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	23.3	34.9
39	61.0	41.6	62.4

Manual Integrations
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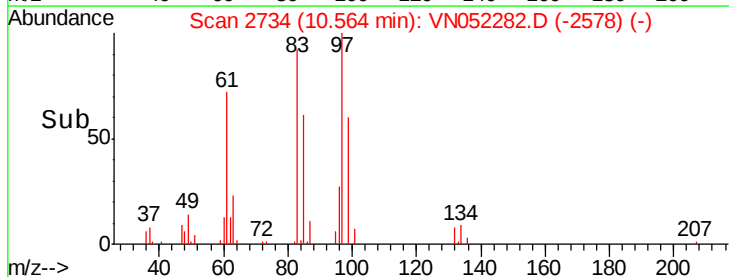
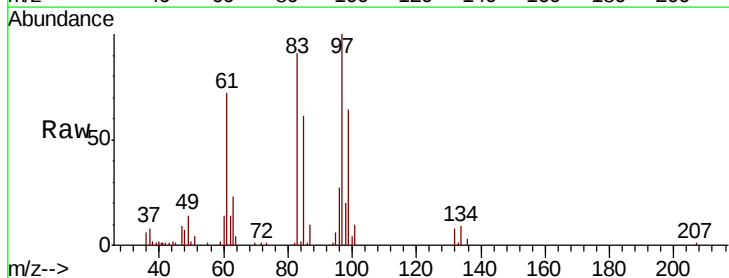
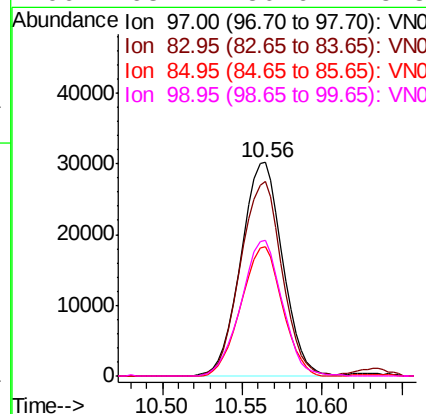
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 11/14/2018 11:10:13 AM

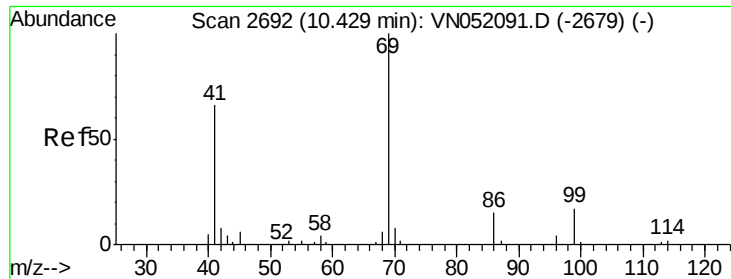


#50

1,1,2-Trichloroethane
 Concen: 19.612 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.9	69.4	104.0
85	60.7	42.7	64.1
99	63.7	50.6	75.8





#51

Ethyl methacrylate

Concen: 19.587 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_N

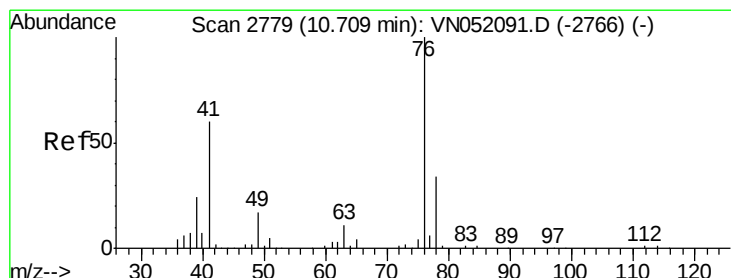
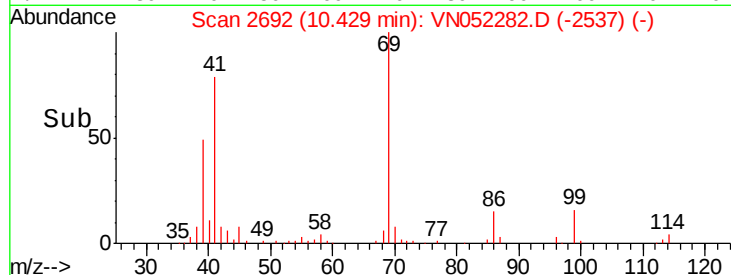
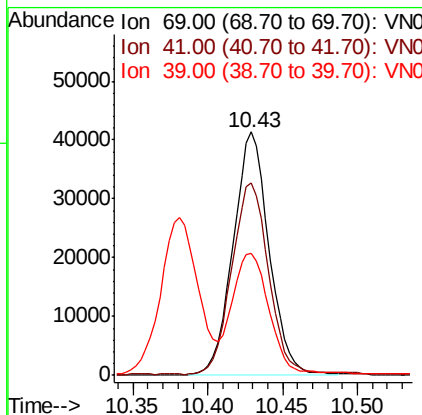
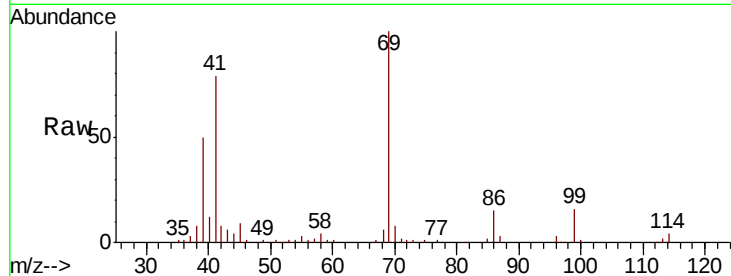
ClientSampleId :

VN1113WBS01

Tot Ion:	69	Resp:	69232
Ion Ratio	Lower	Upper	
69	100		
41	78.8	33.0	99.0
39	49.0	20.7	62.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.232 ug/l

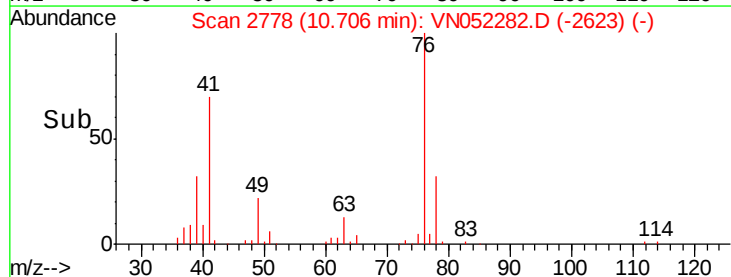
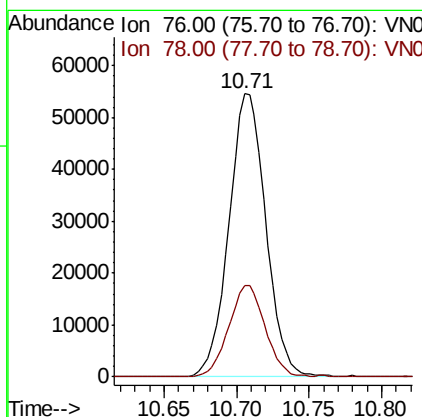
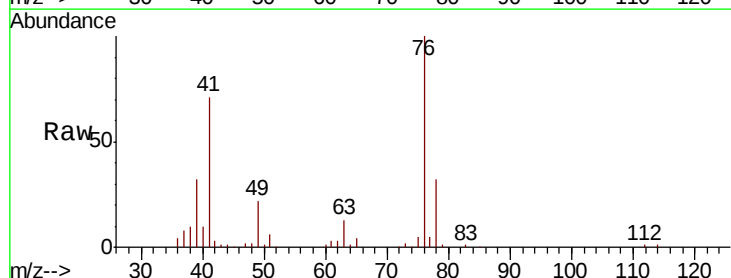
RT: 10.71 min Scan# 2778

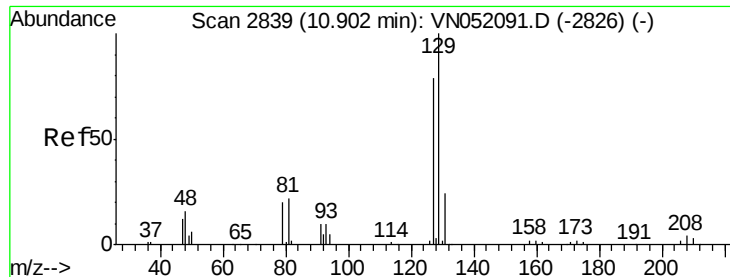
Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Tgt Ion:	76	Resp:	96382
Ion Ratio	Lower	Upper	
76	100		
78	31.9	0.0	65.0





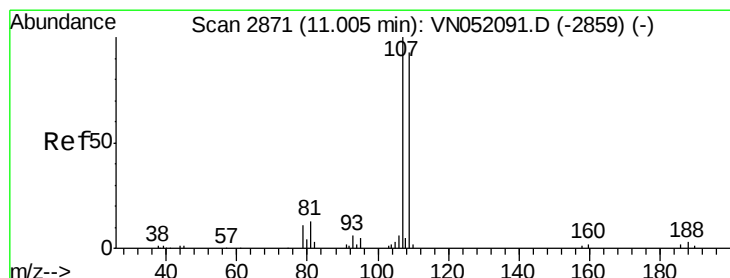
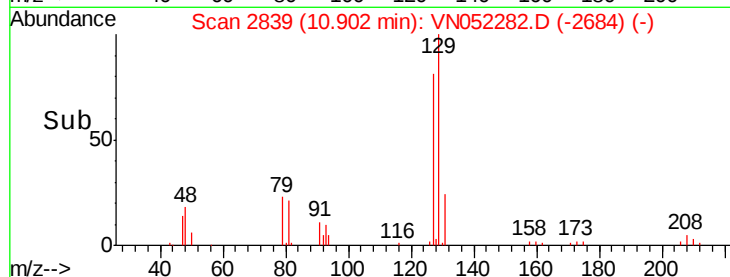
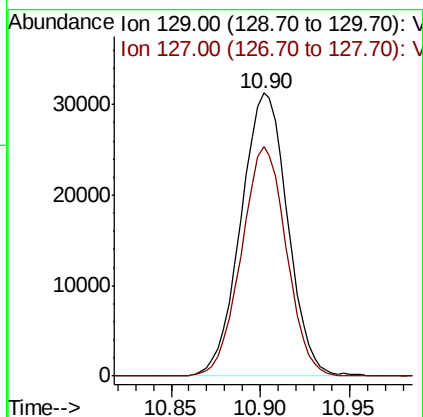
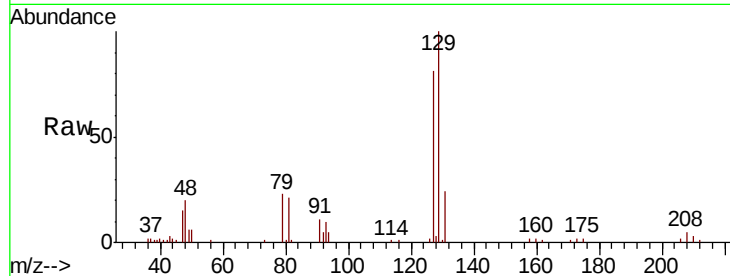
#53
Dibromochloromethane
Concen: 19.372 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion:129 Resp: 57196
Ion Ratio Lower Upper
129 100
127 77.8 39.2 117.6

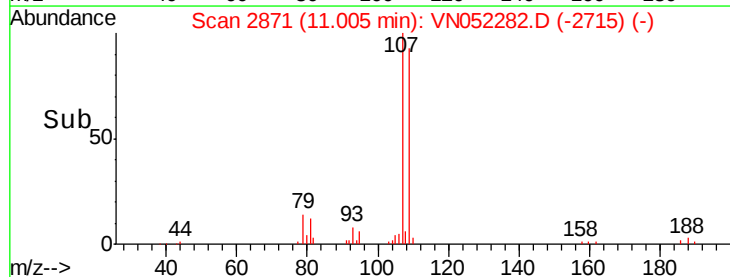
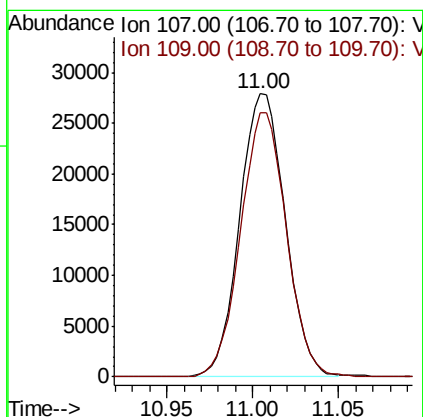
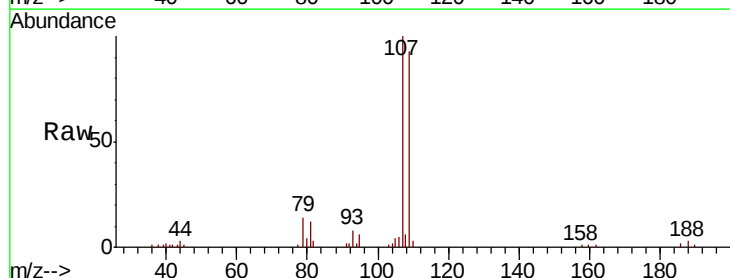
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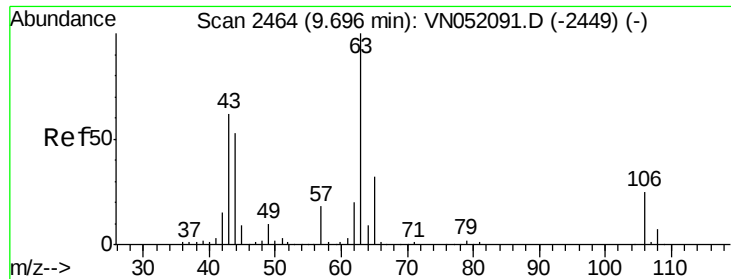
MMDadoda
11/14/2018 11:10:13 AM



#54
1,2-Dibromoethane
Concen: 18.594 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Tgt Ion:107 Resp: 51567
Ion Ratio Lower Upper
107 100
109 93.5 77.0 115.6





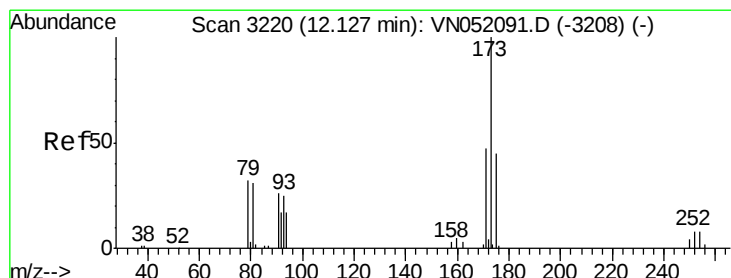
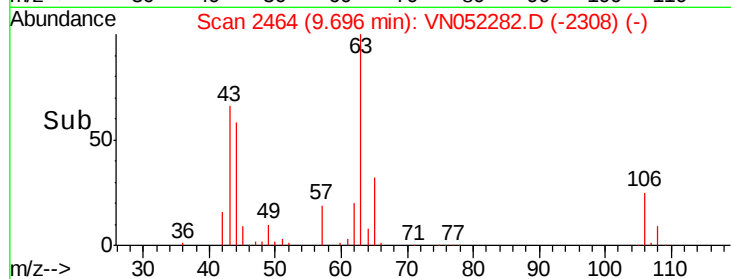
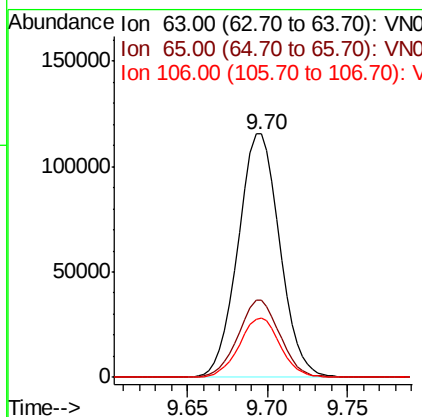
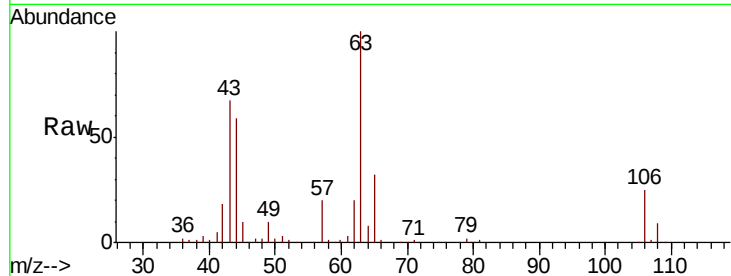
#55
 2-Chloroethyl vinyl ether
 Concen: 106.051 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.5	38.3
106	24.0	20.4	30.6

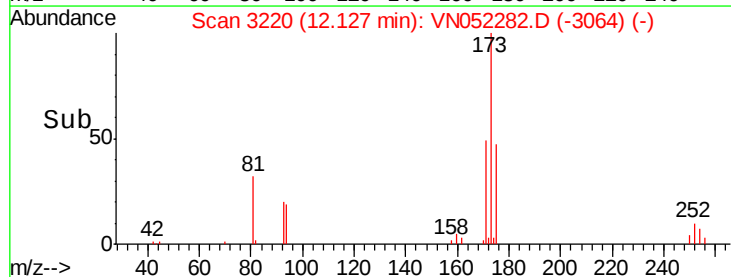
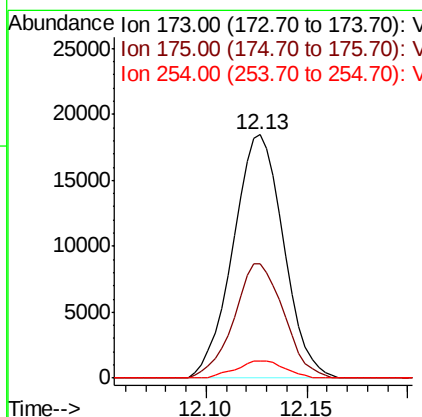
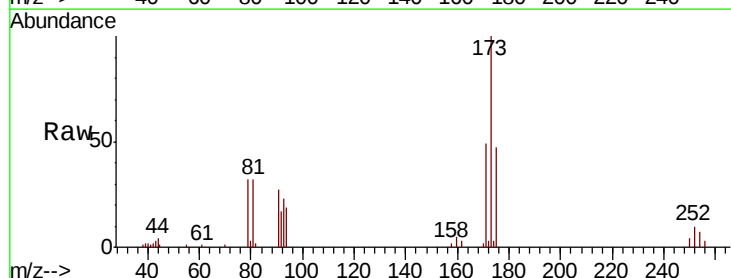
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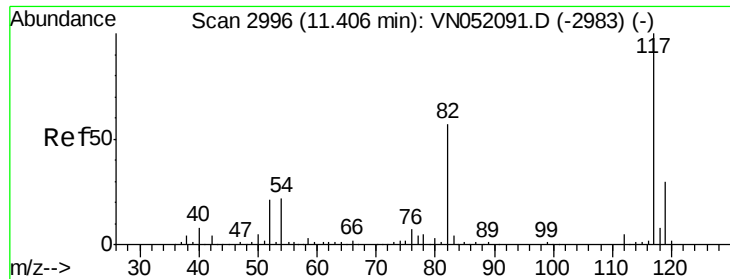
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 11/14/2018 11:10:13 AM



#56
 Bromoform
 Concen: 18.960 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.4	37.3	55.9
254	6.9	7.0	10.6#





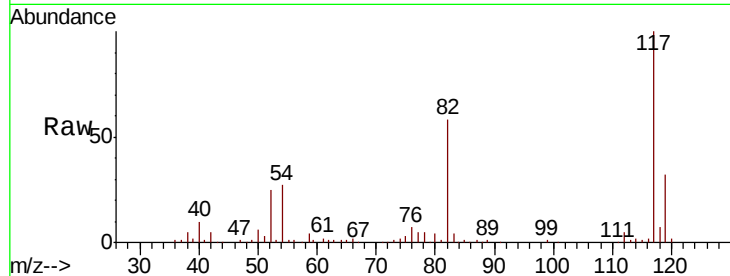
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

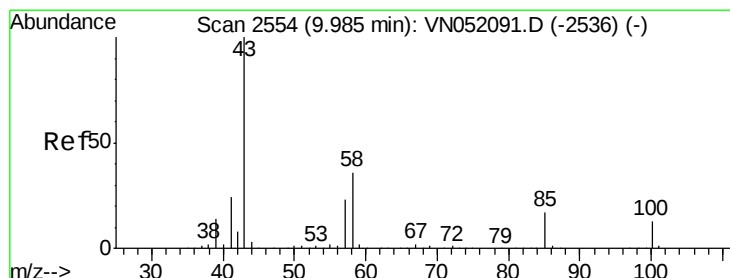
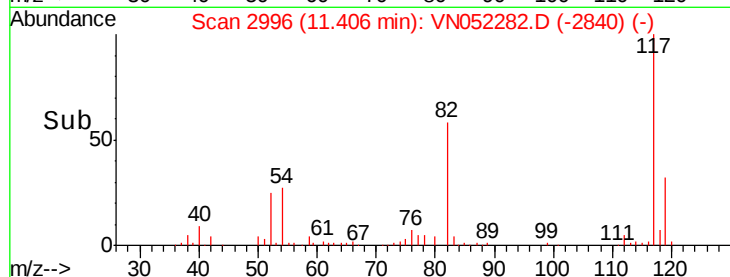
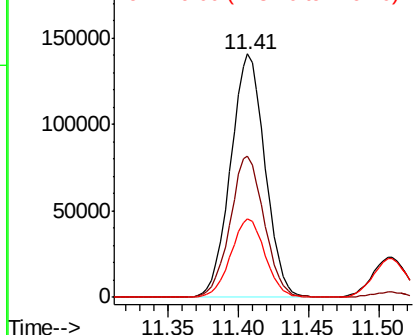
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.0	67.6
119	32.2	24.2	36.4

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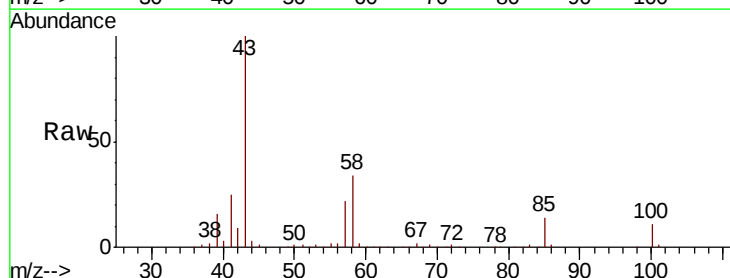


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

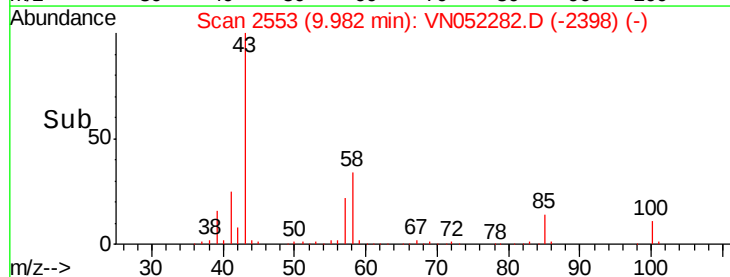
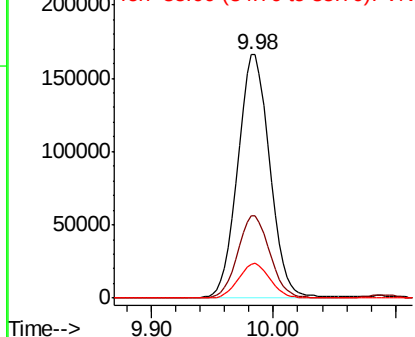


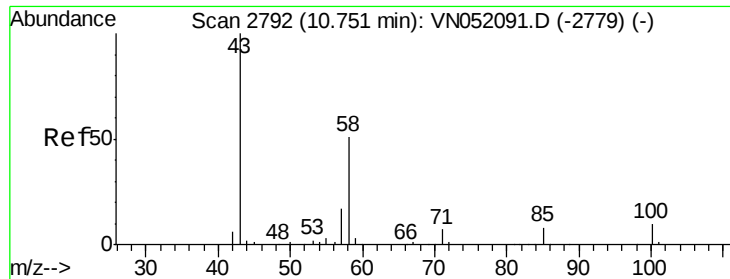
#58
4-Methyl-2-Pentanone
Concen: 116.765 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.0	29.0	43.6
85	14.0	13.4	20.2



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V





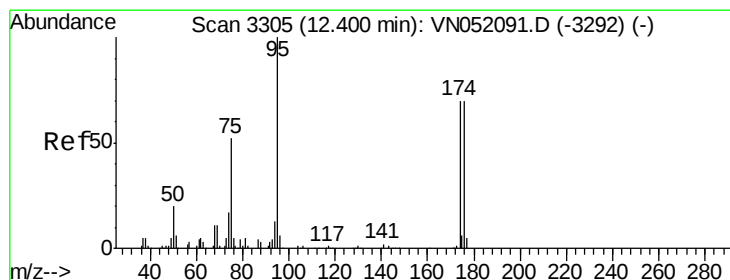
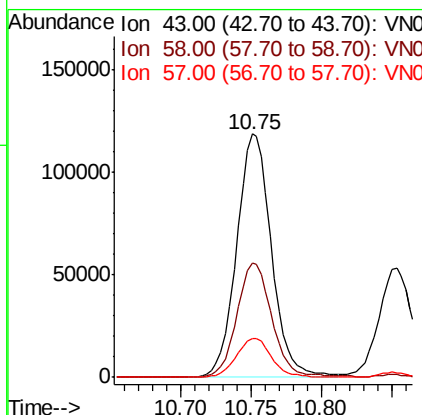
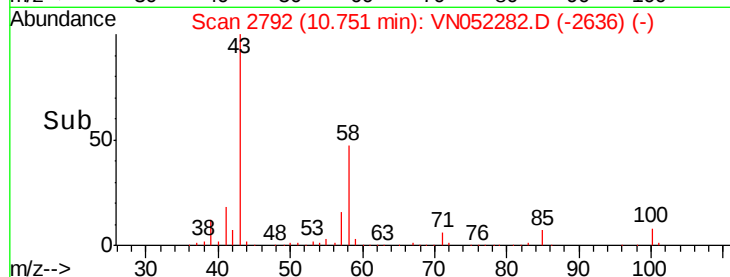
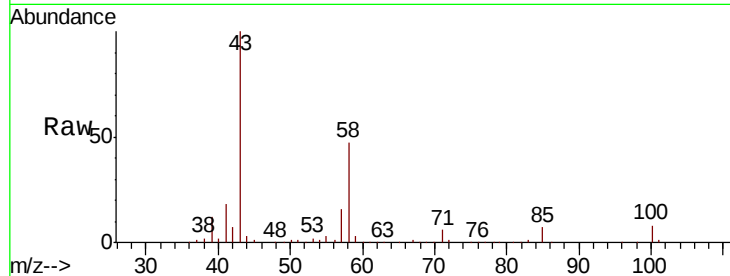
#59
2-Hexanone
Concen: 114.911 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.8	40.8	61.2
57	16.3	13.8	20.8

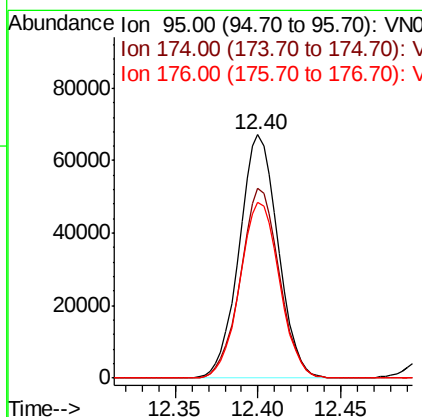
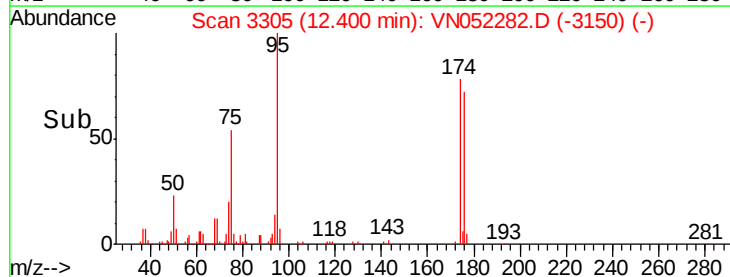
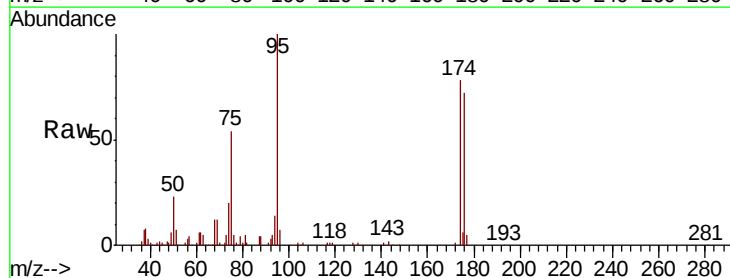
Manual Integrations
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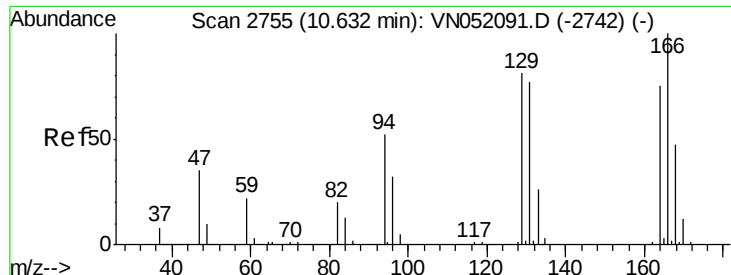
MMDadoda
11/14/2018 11:10:13 AM



#60
4-Bromofluorobenzene
Concen: 114.911 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.8	55.0	82.6
176	73.8	54.2	81.4





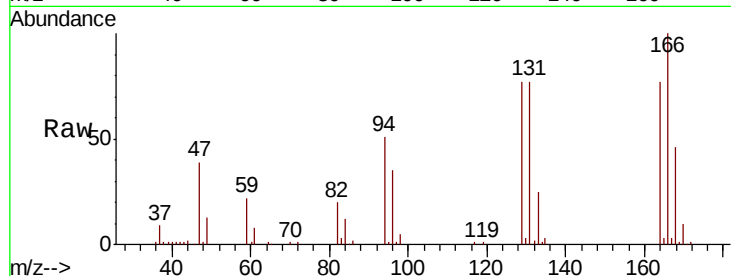
#61
Tetrachloroethene
Concen: 20.931 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.8	106.4	159.6
129	98.9	87.0	130.4
131	99.9	81.4	122.2

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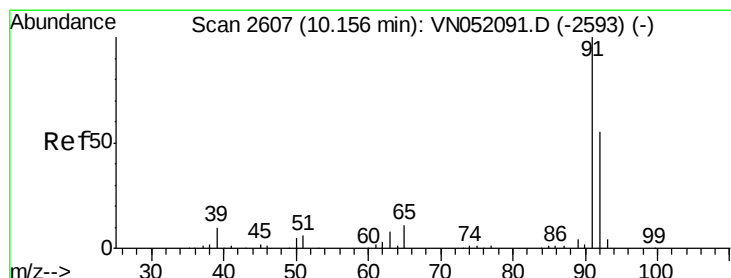
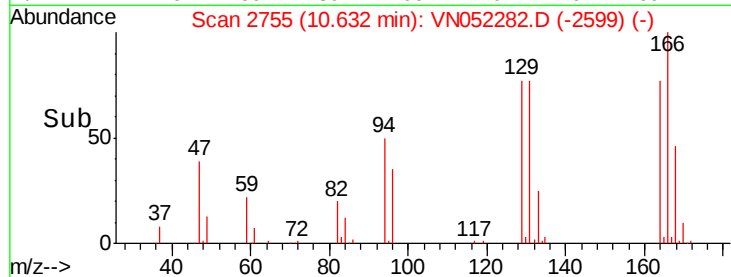
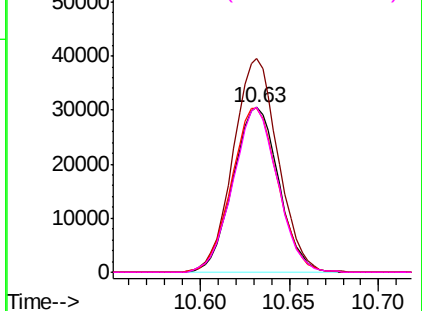
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

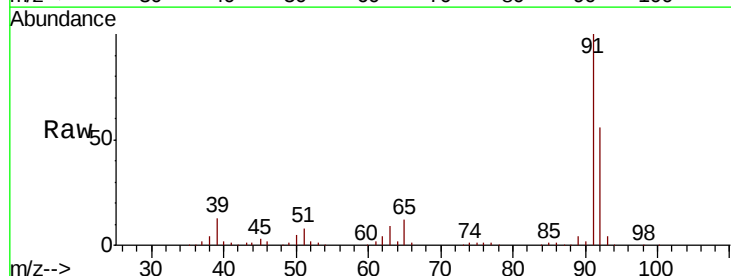
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 20.022 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

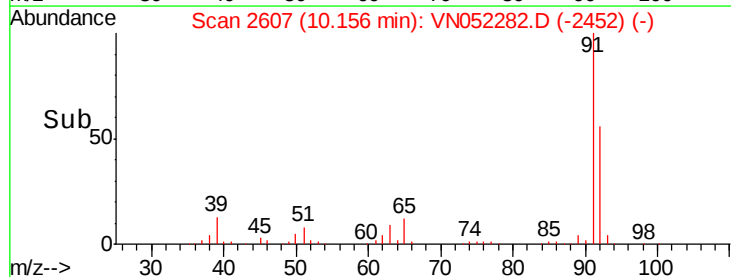
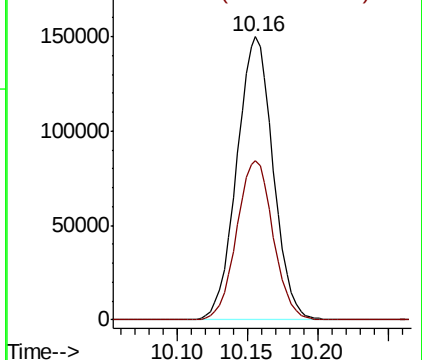
Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.5	44.6	67.0

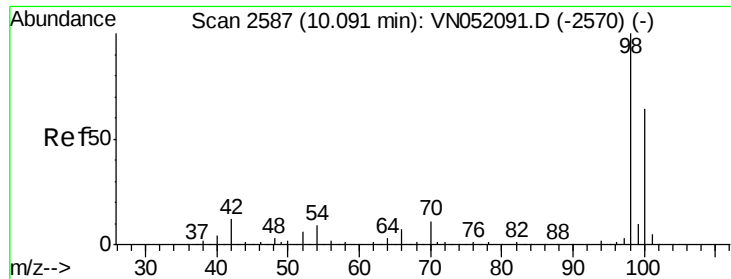


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





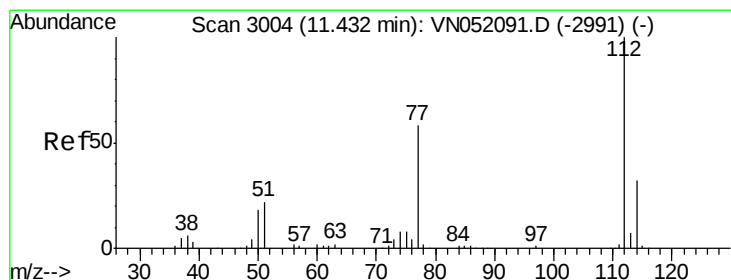
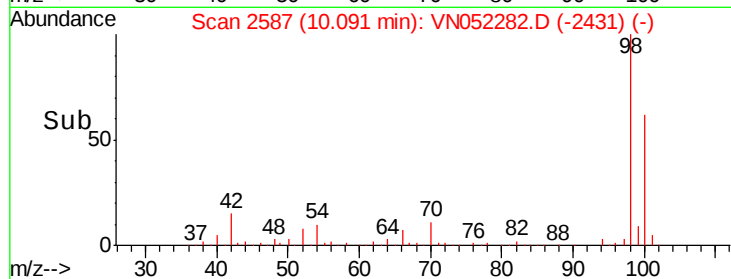
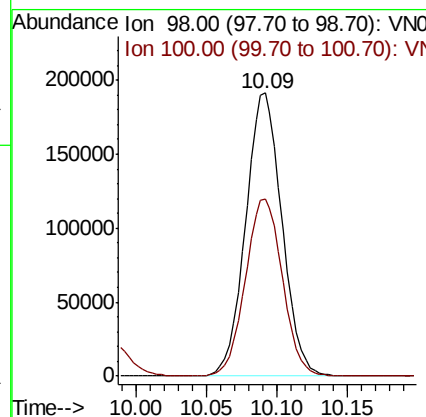
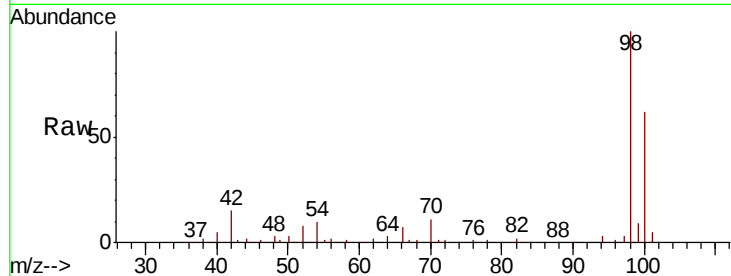
#63
Toluene-d8
Concen: 20.022 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion: 98 Resp: 345320
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1

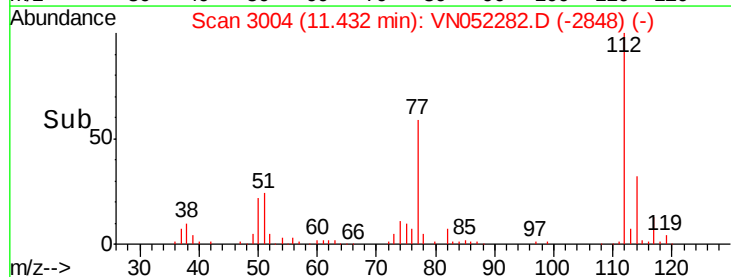
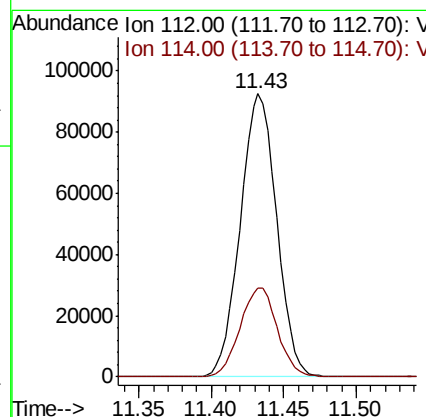
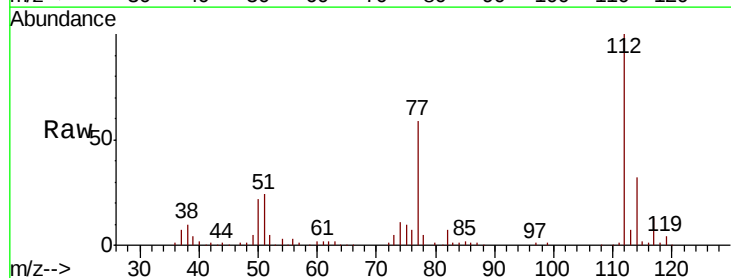
Manual Integrations
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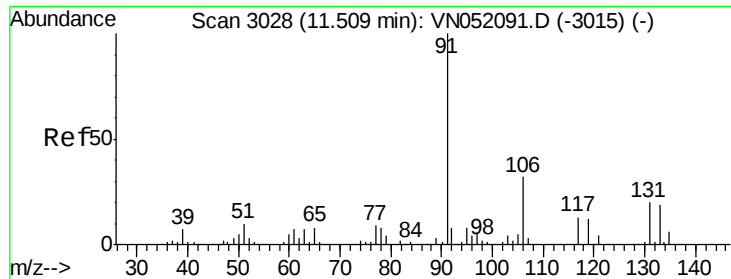
MMDadoda
11/14/2018 11:10:13 AM



#64
Chlorobenzene
Concen: 18.864 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Tgt Ion: 112 Resp: 161332
Ion Ratio Lower Upper
112 100
114 31.5 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.536 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_N

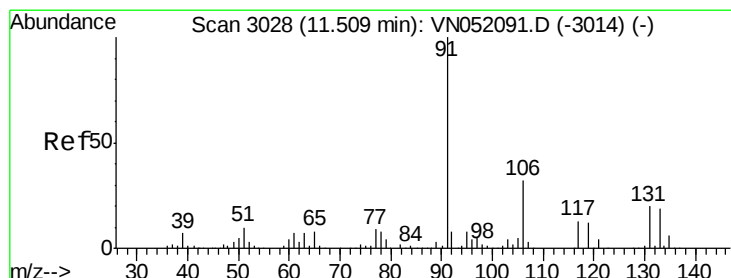
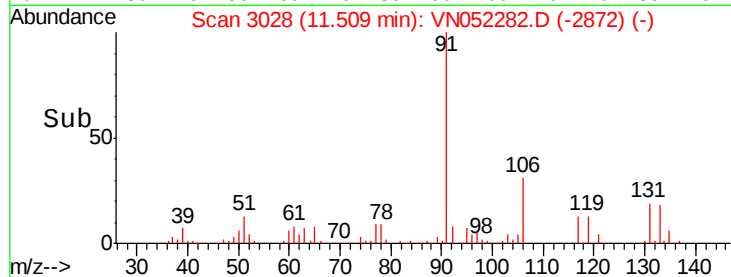
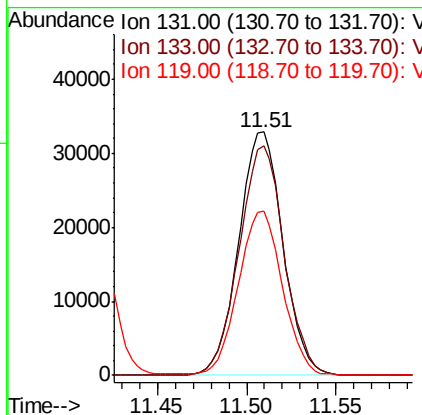
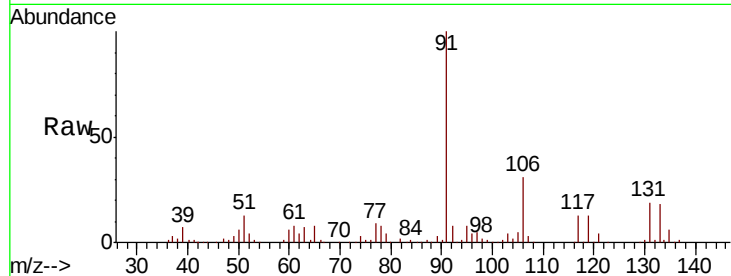
ClientSampleId :

VN1113WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.7	0.0	188.8
119	67.4	0.0	131.4

Manual Integrations
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11/14/2018 11:10:13 AM



#66

Ethyl Benzene

Concen: 19.386 ug/l

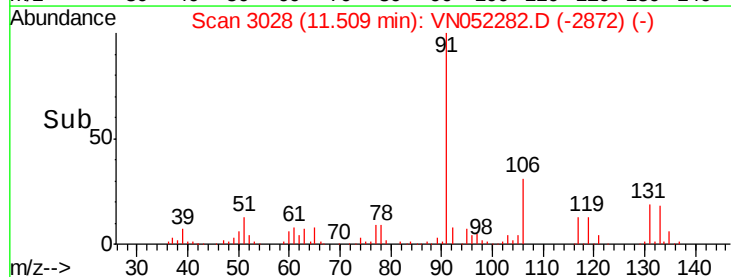
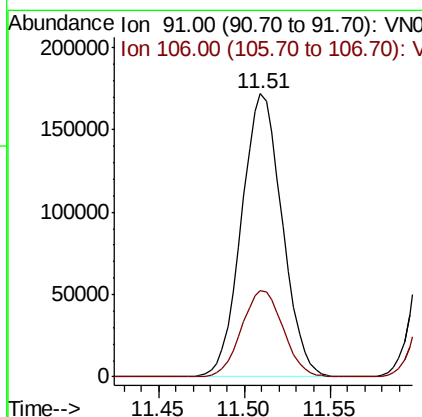
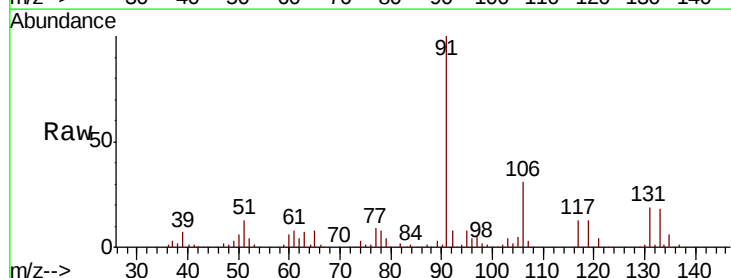
RT: 11.51 min Scan# 3028

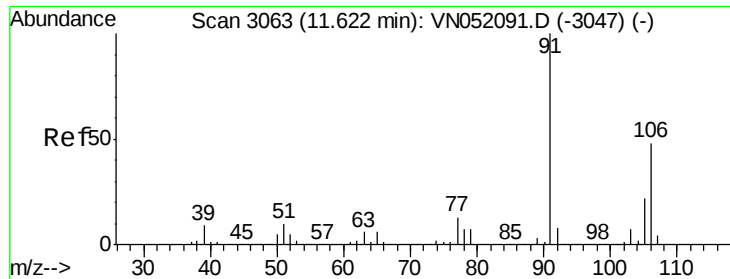
Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.7	38.5





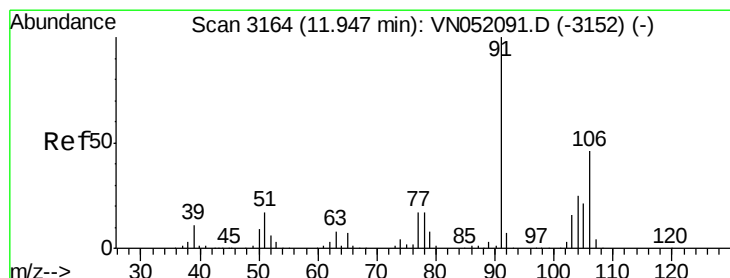
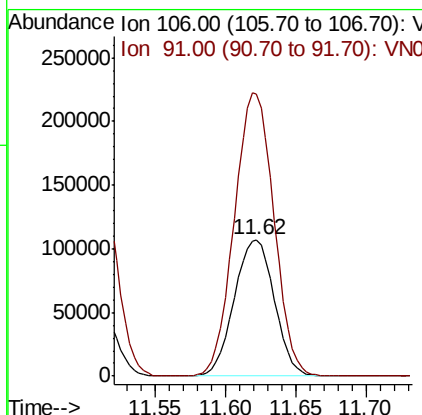
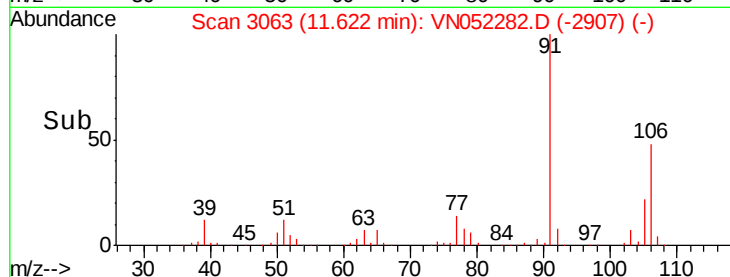
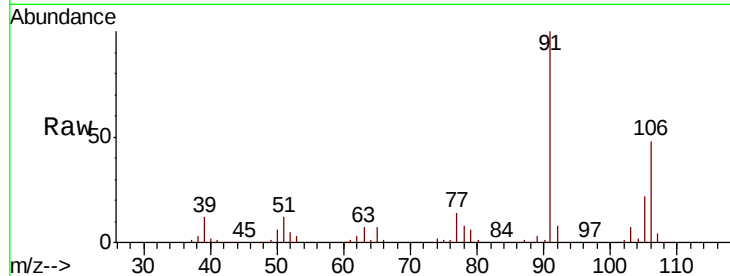
#67
m/p-Xylenes
Concen: 37.925 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion:106 Resp: 212824
Ion Ratio Lower Upper
106 100
91 205.5 163.6 245.4

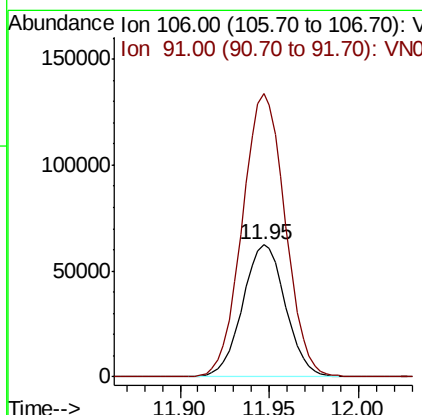
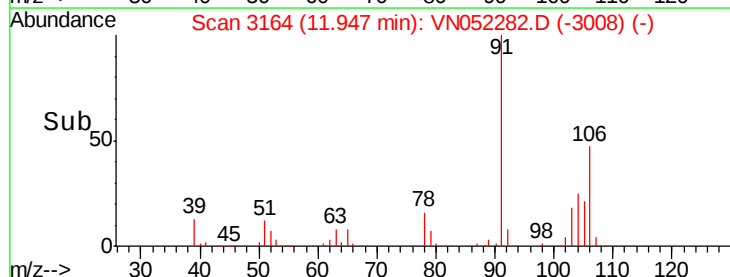
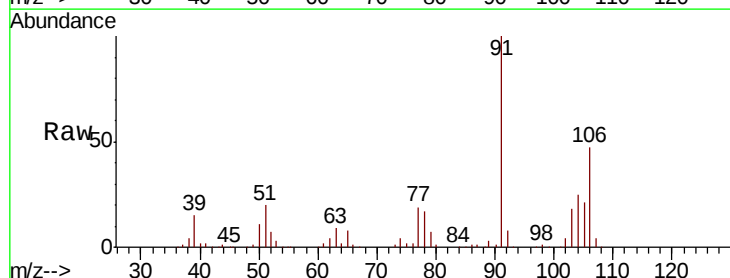
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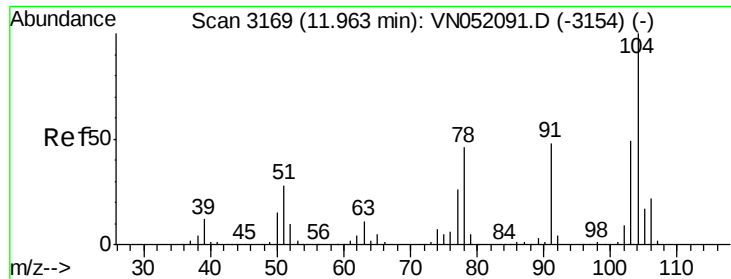
MMDadoda
11/14/2018 11:10:13 AM



#68
o-Xylene
Concen: 19.523 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Tgt Ion:106 Resp: 104454
Ion Ratio Lower Upper
106 100
91 214.6 110.0 330.0





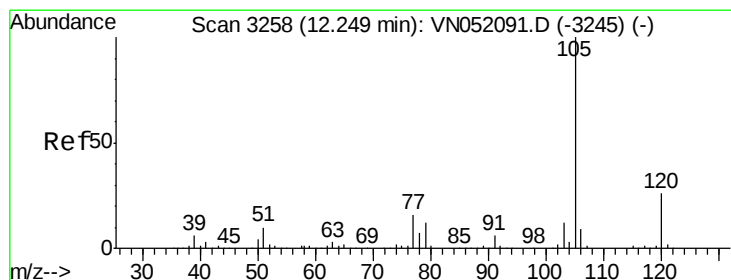
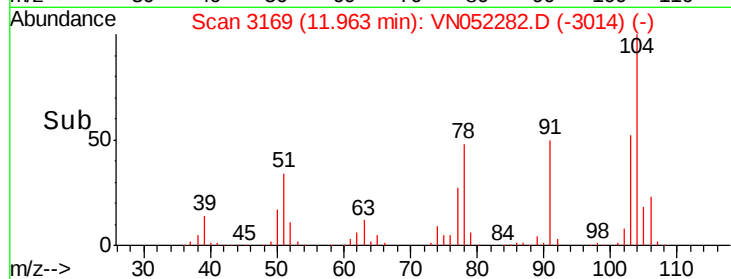
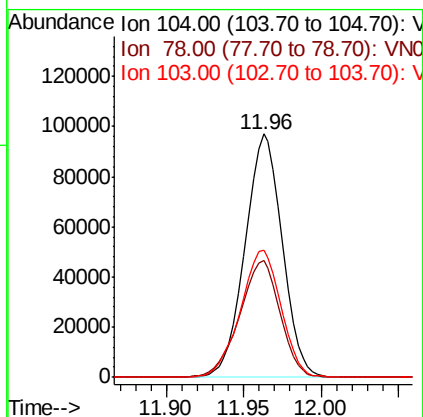
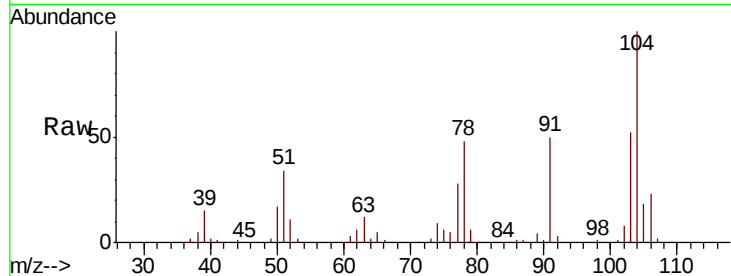
#69
Stvrene
Concen: 18.905 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.3	61.9
103	56.8	43.3	64.9

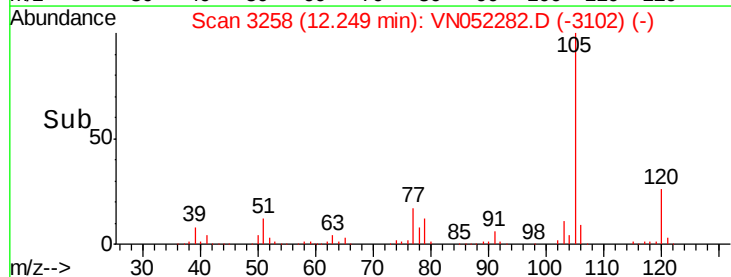
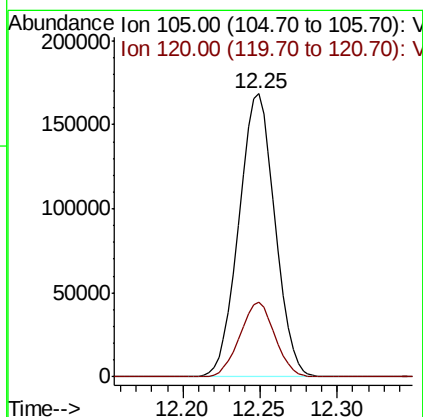
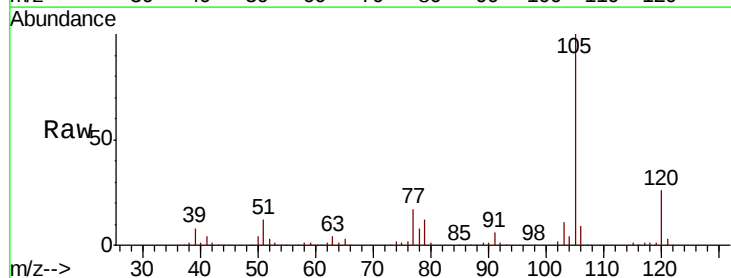
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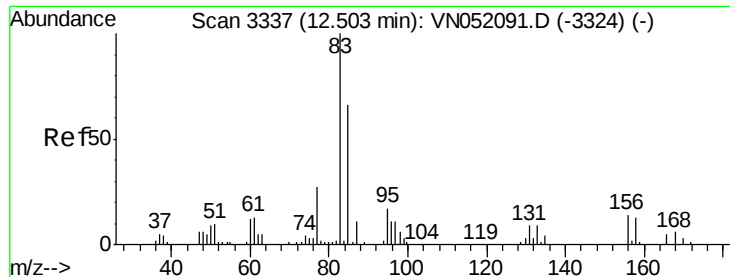
MMDadoda
11/14/2018 11:10:13 AM



#70
Isopropylbenzene
Concen: 19.010 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	18.4	34.2





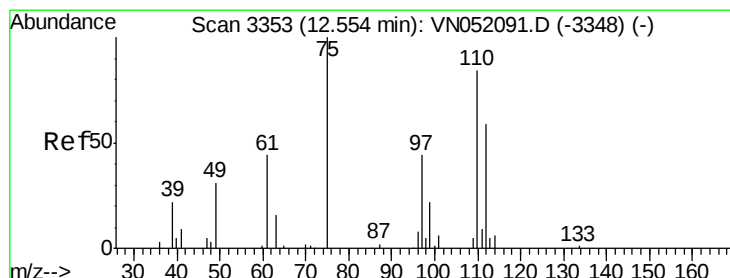
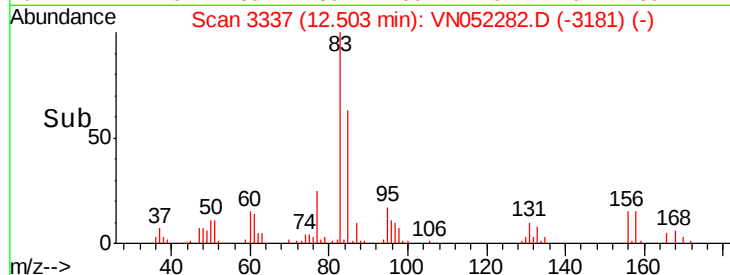
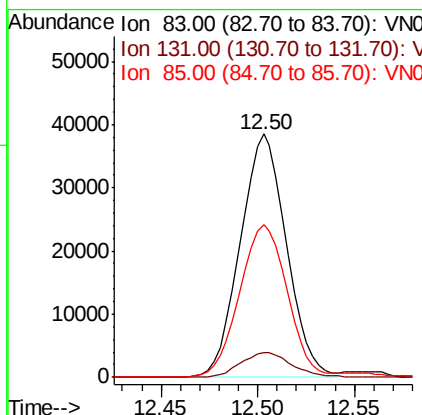
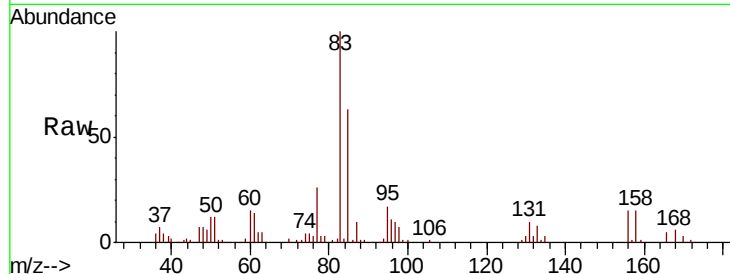
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.265 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	83	Resp	64021
Ion Ratio	100	Lower	Upper
83	100		
131	11.2	4.8	14.3
85	64.8	32.7	98.1

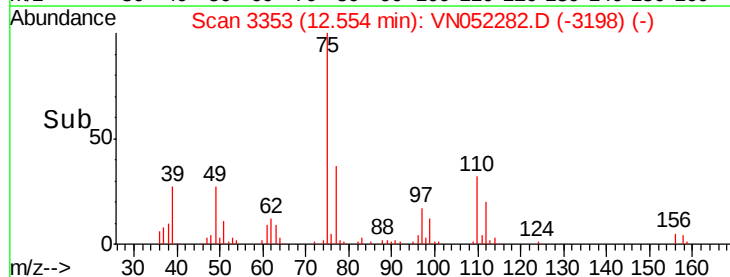
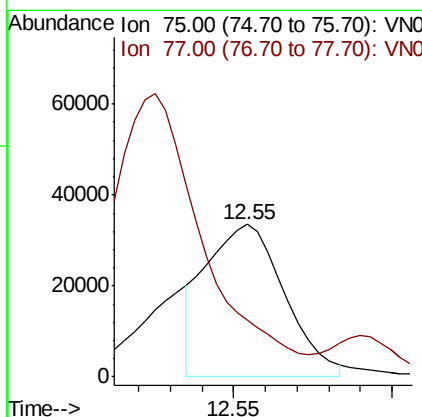
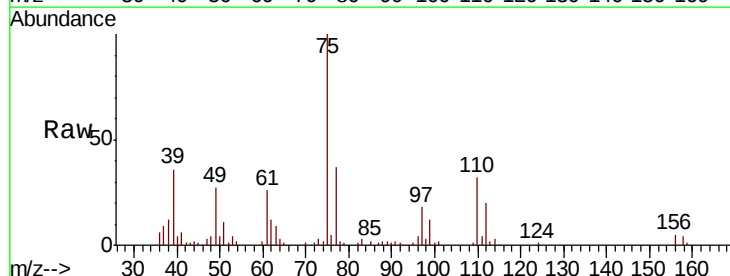
Manual Integrations
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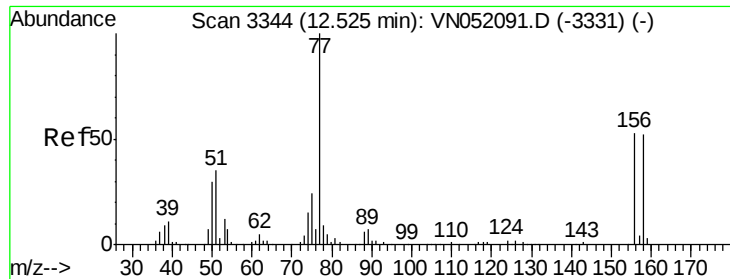
MMDadoda
 11/14/2018 11:10:13 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.722 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Tgt Ion	75	Resp	57560
Ion Ratio	100	Lower	Upper
75	100		
77	218.7	0.0	481.8





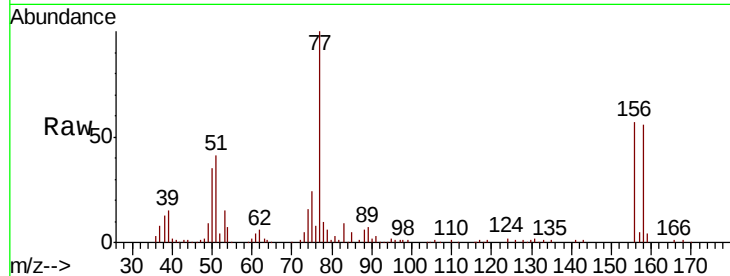
#73
Bromobenzene
Concen: 19.465 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	203.2	0.0	428.0
158	97.9	0.0	196.8

Manual Integrations
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MMDadoda
11/14/2018 11:10:13 AM

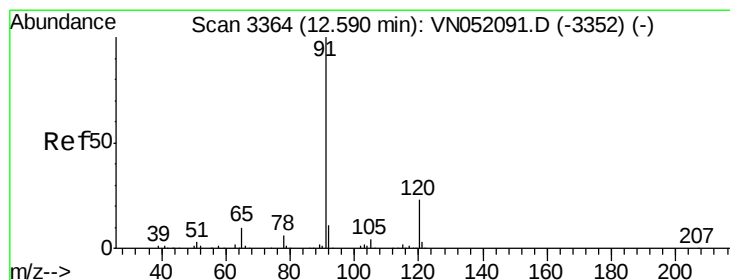
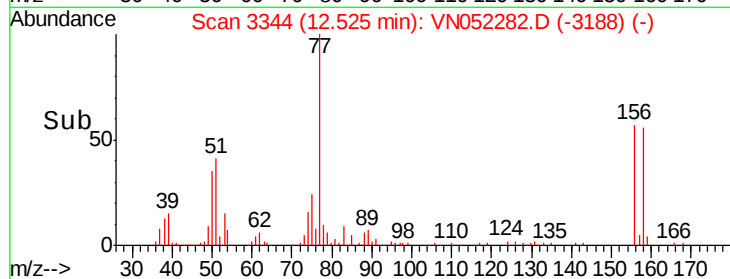
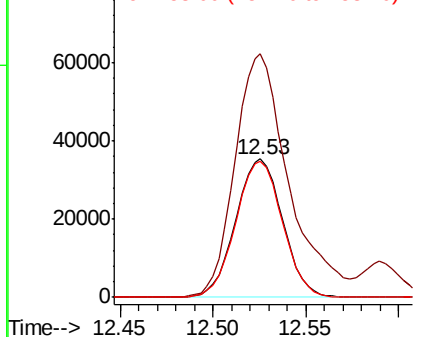


Abundance

Ion 156.00 (155.70 to 156.70): V

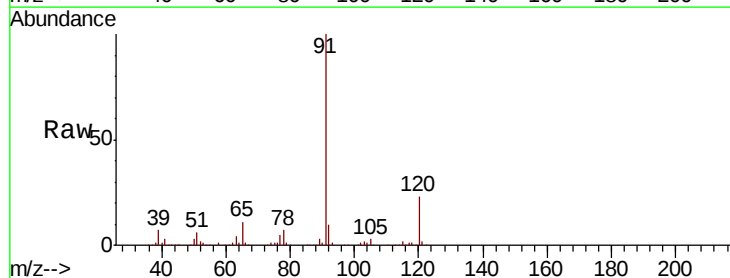
Ion 77.00 (76.70 to 77.70): V

Ion 158.00 (157.70 to 158.70): V



#74
n-propylbenzene
Concen: 19.062 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

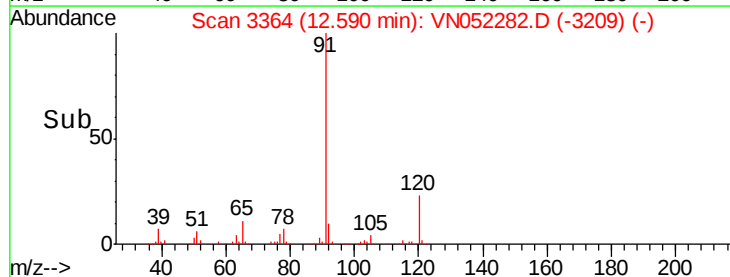
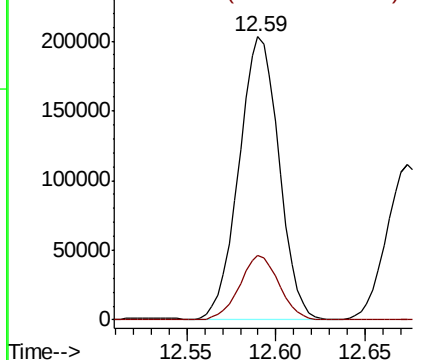
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	0.0	44.8

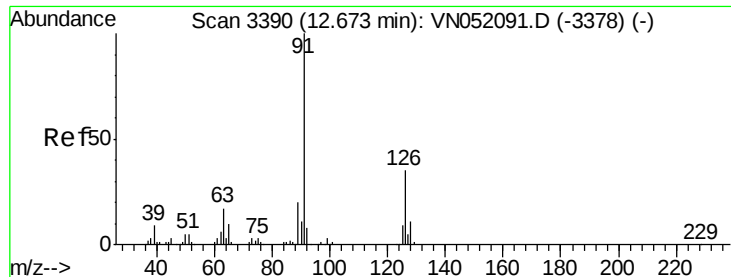


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.078 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 91 Resp: 183959

Ion Ratio Lower Upper

91 100

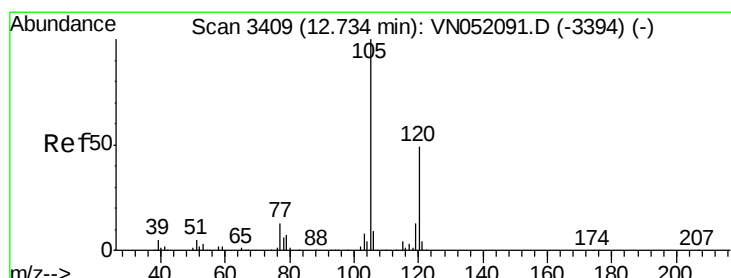
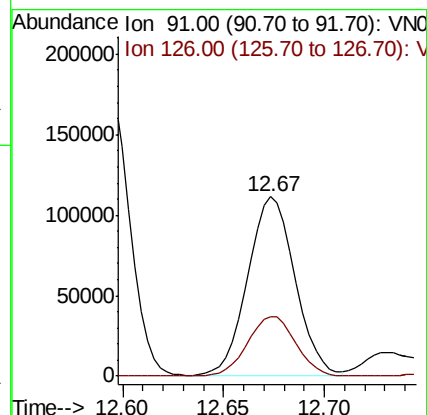
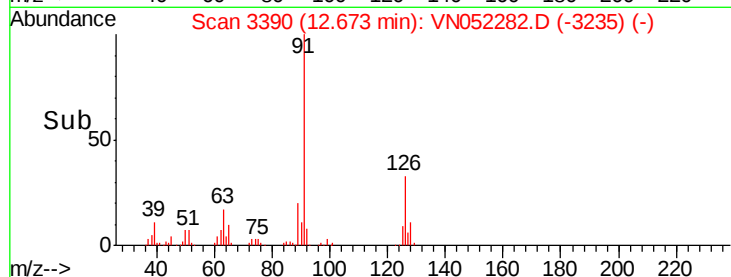
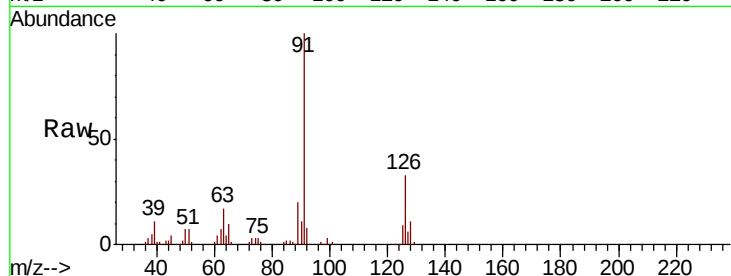
126 33.7 0.0 68.0

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.228 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052282.D

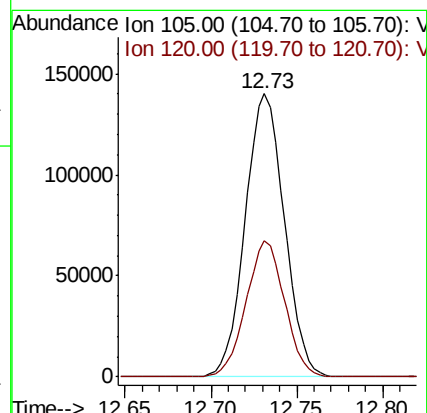
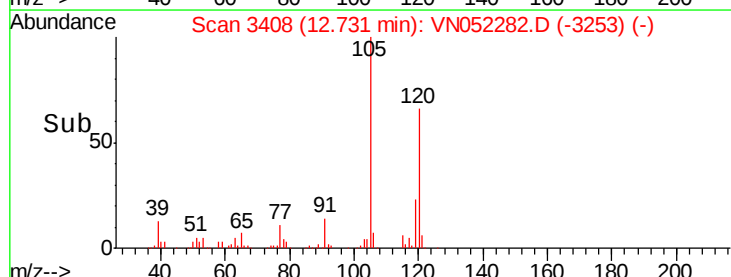
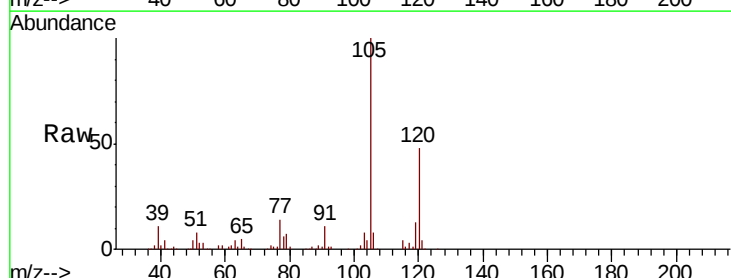
Acq: 13 Nov 2018 13:17

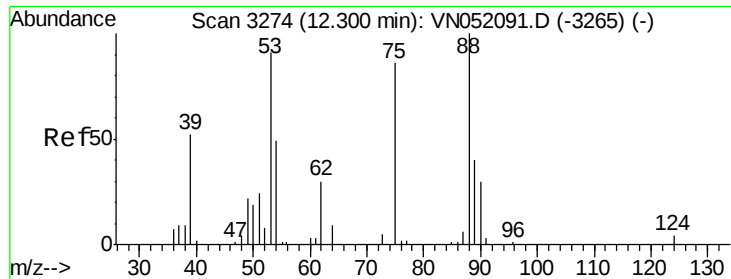
Tgt Ion: 105 Resp: 221451

Ion Ratio Lower Upper

105 100

120 47.4 0.0 95.8





#77

t-1,4-Dichloro-2-butene

Concen: 18.125 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_N

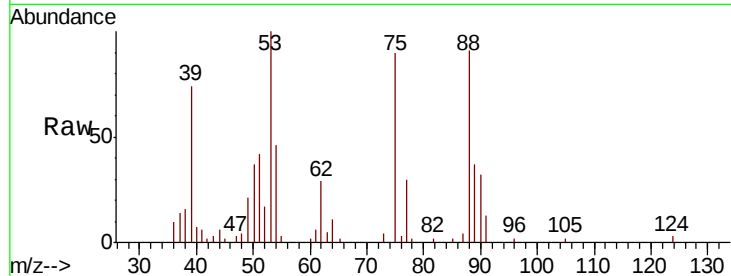
ClientSampleId :

VN1113WBS01

Tot Ion:	75	Resp:	15753
Ion	Ratio	Lower	Upper
75	100		
53	111.6	50.7	152.1
89	40.9	23.8	71.5

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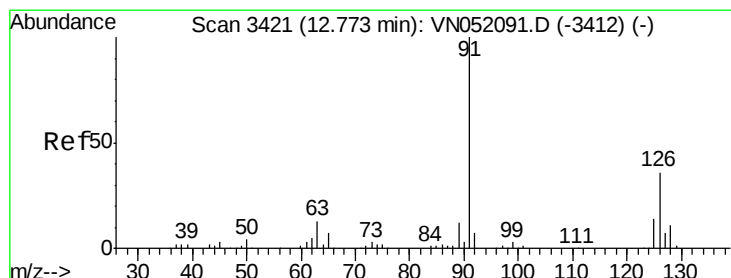
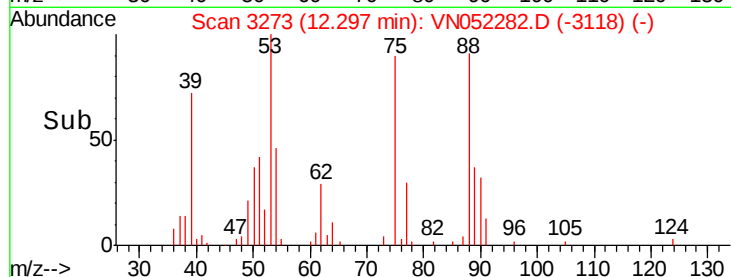
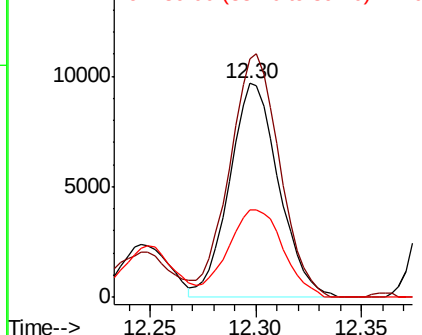
MMDadoda
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Abundance Ion 75.00 (74.70 to 75.70): VN052091.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN052091.D (-3265) (-)

Ion 89.00 (88.70 to 89.70): VN052091.D (-3265) (-)



#78

4-Chlorotoluene

Concen: 18.876 ug/l

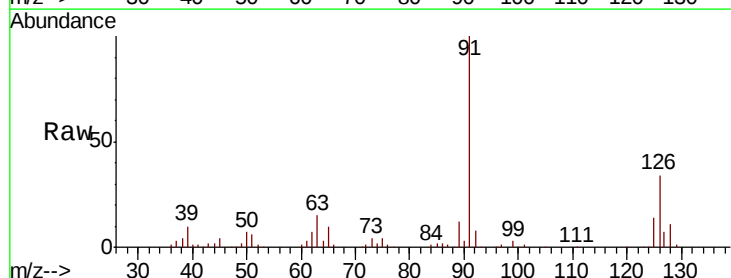
RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052282.D

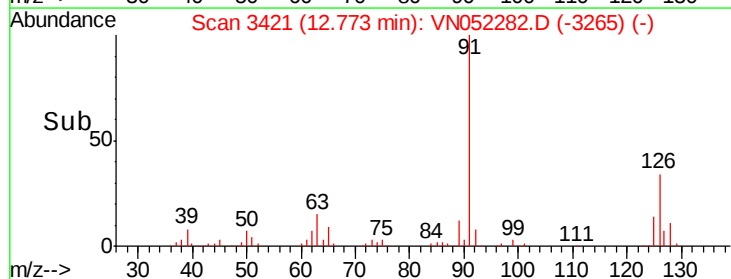
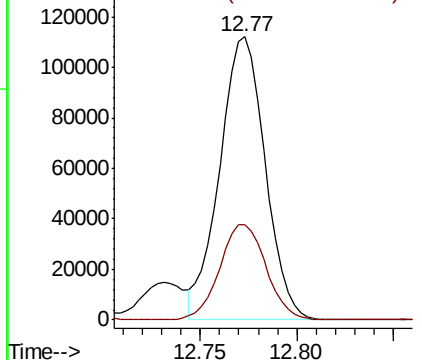
Acq: 13 Nov 2018 13:17

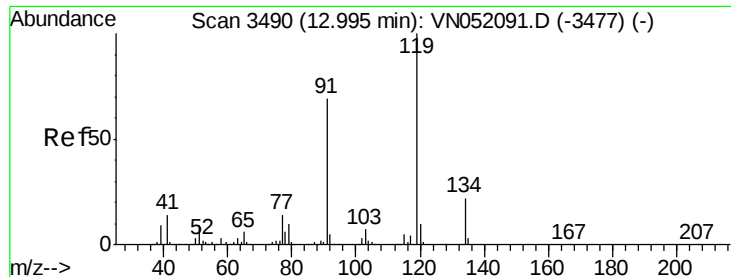
Tgt Ion:	91	Resp:	183297
Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	68.0



Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3412) (-)

Ion 126.00 (125.70 to 126.70): VN052091.D (-3412) (-)





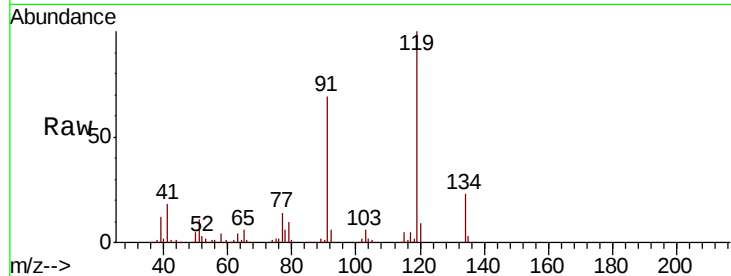
#79
tert-butylbenzene
Concen: 19.039 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	191001		
91	67.4	0.0	131.2	
134	23.5	0.0	45.8	

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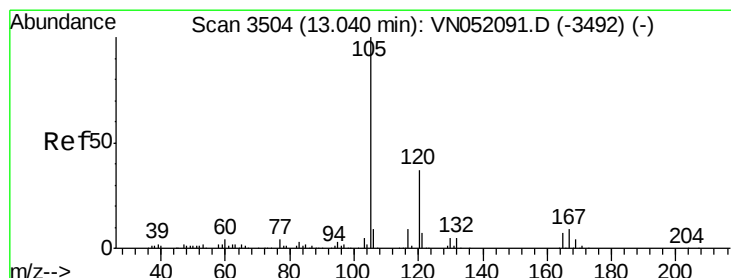
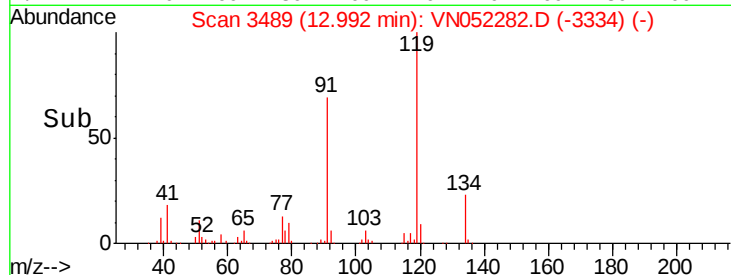
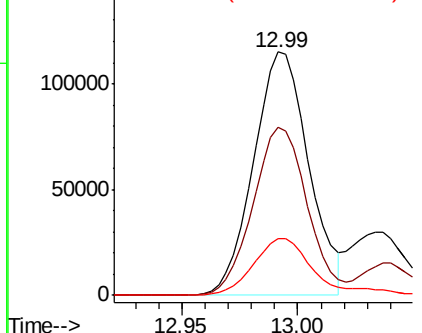


Abundance

Ion 119.00 (118.70 to 119.70): V

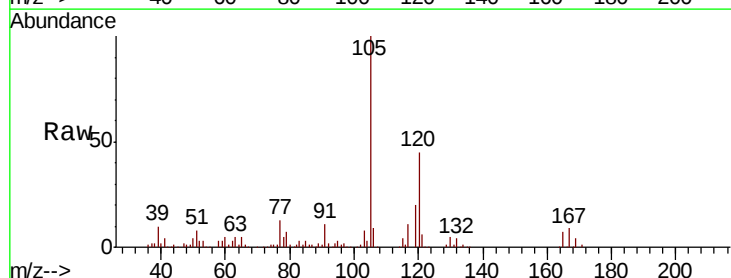
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80
1,2,4-Trimethylbenzene
Concen: 19.326 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

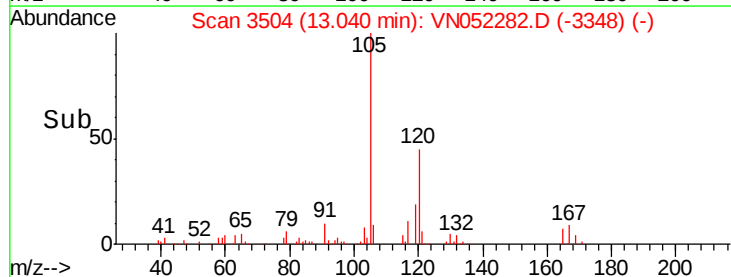
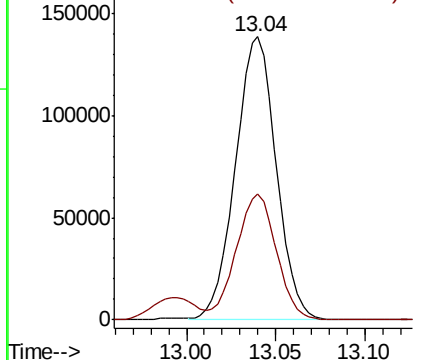
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	221737		
120	43.7	0.0	89.4	

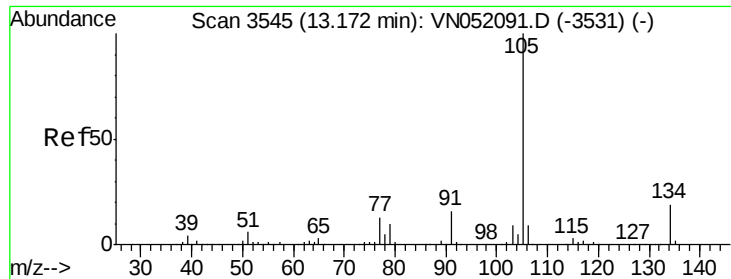


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 18.712 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion:105 Resp: 258351

Ion Ratio Lower Upper

105 100

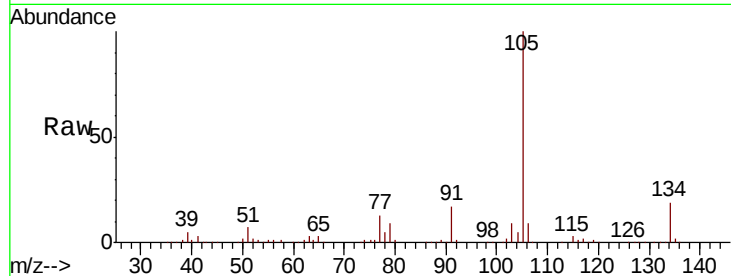
134 19.4 0.0 38.6

Manual Integrations

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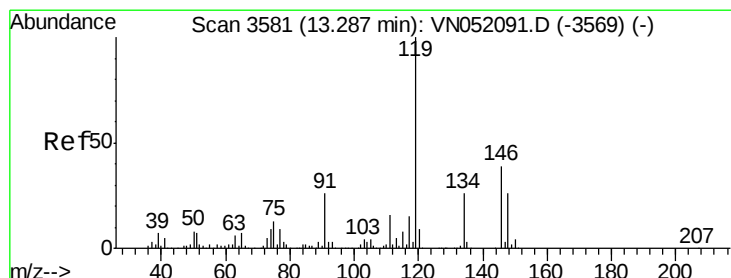
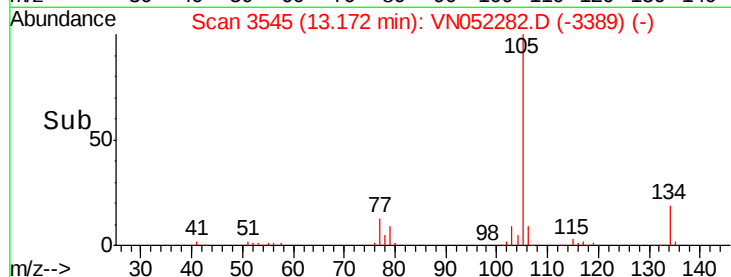
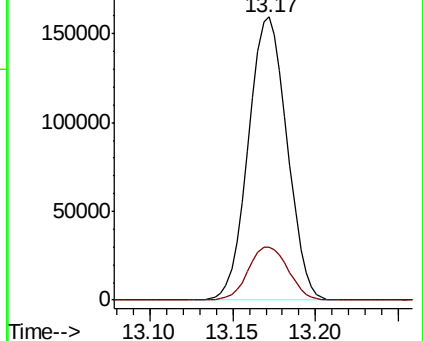
MMDadoda

11/14/2018 11:10:13 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 18.811 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

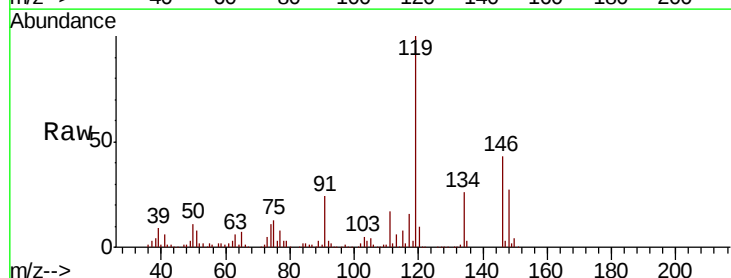
Tgt Ion:119 Resp: 219488

Ion Ratio Lower Upper

119 100

134 26.0 0.0 52.0

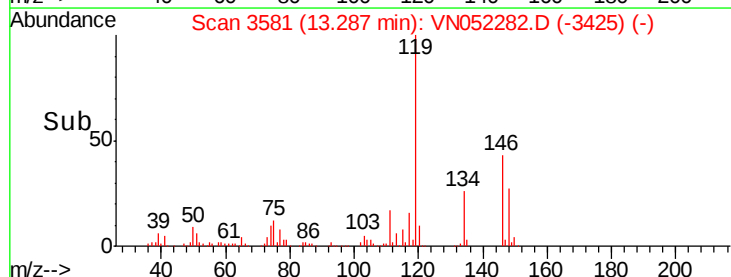
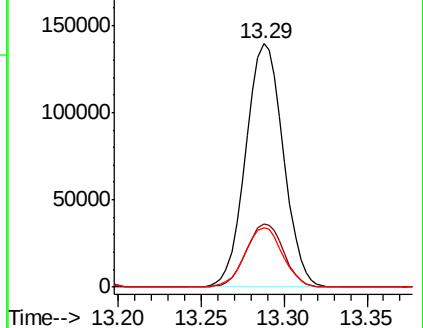
91 24.5 0.0 50.8

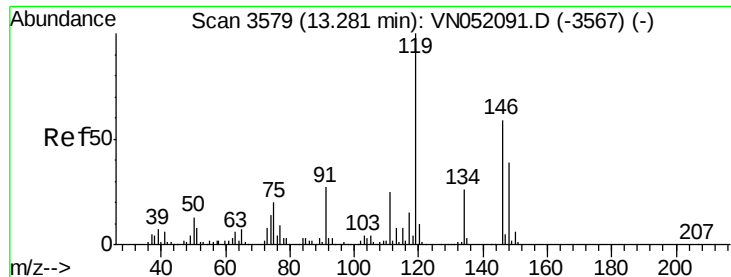


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





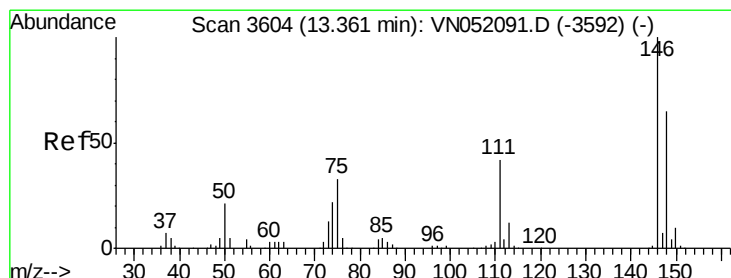
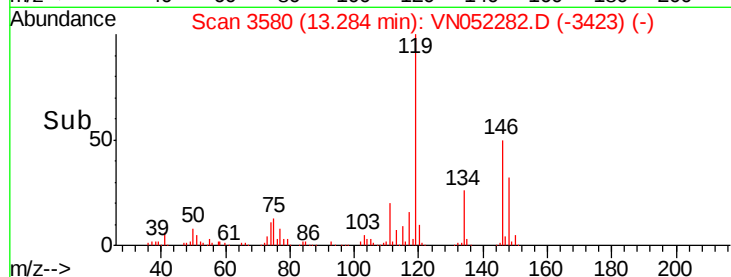
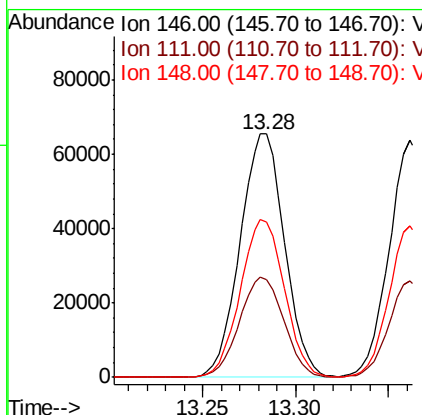
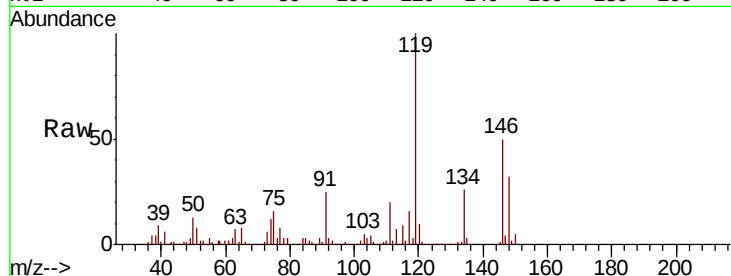
#83
 1,3-Dichlorobenzene
 Concen: 19.345 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.0	63.0
148	64.2	33.4	100.2

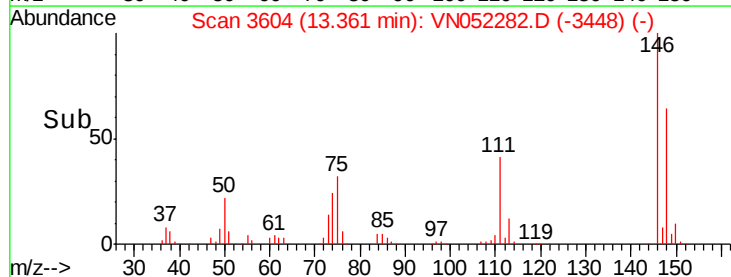
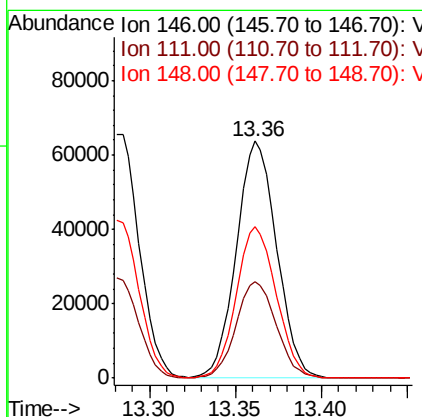
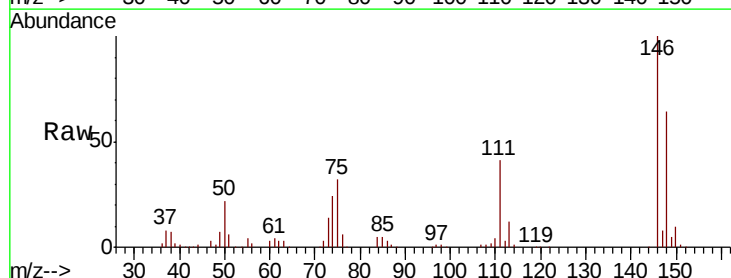
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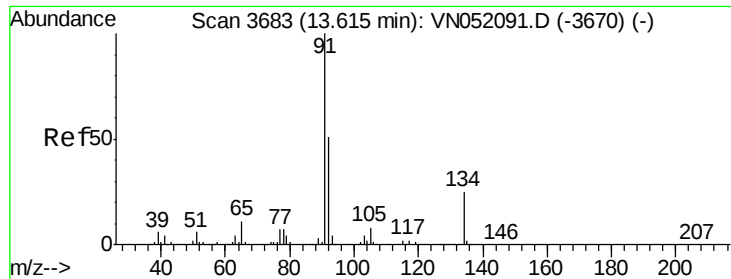
MMDadoda
 11/14/2018 11:10:13 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.683 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052282.D
 Acq: 13 Nov 2018 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.4	64.2
148	63.1	32.6	98.0





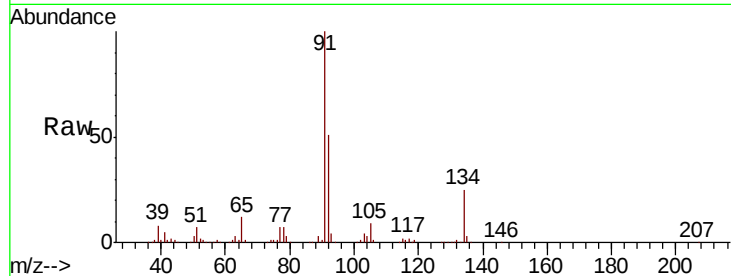
#85
n-Butylbenzene
Concen: 18.137 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	183157		
92	51.2	0.0	102.8	
134	24.3	0.0	49.2	

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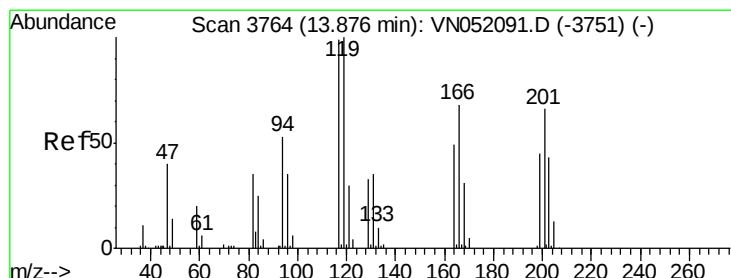
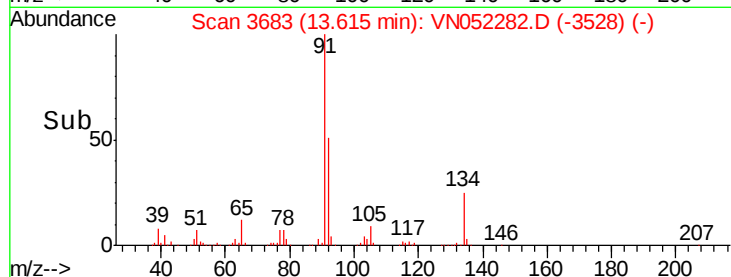
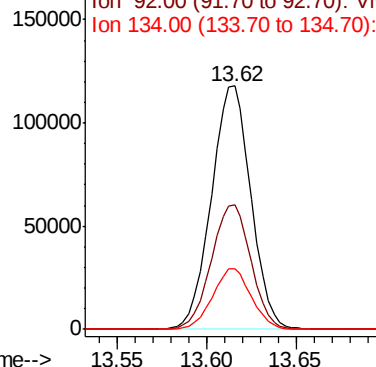


Abundance

Ion 91.00 (90.70 to 91.70): VN052091.D (-3670) (-)

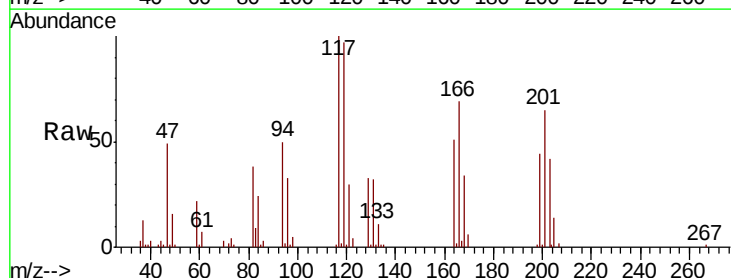
Ion 92.00 (91.70 to 92.70): VN052091.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN052091.D (-3670) (-)



#86
Hexachloroethane
Concen: 18.437 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

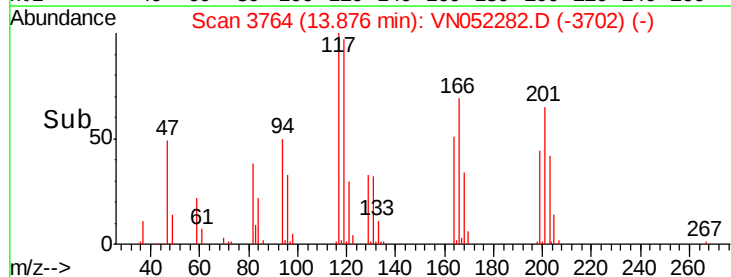
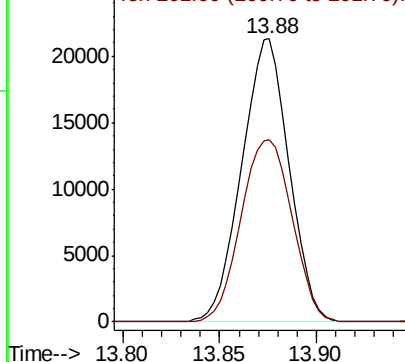
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36301		
201	69.3	32.2	96.6	

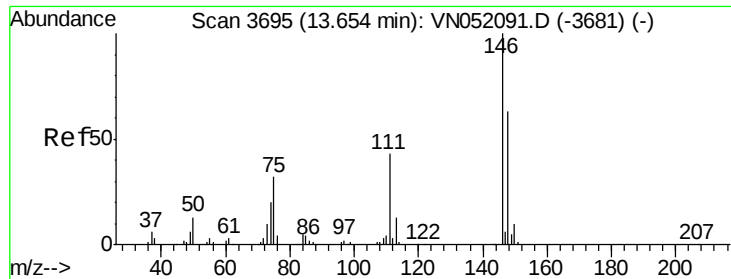


Abundance

Ion 117.00 (116.70 to 117.70): VN052091.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN052091.D (-3751) (-)





#87

1,2-Dichlorobenzene

Concen: 19.862 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Instrument :

MSVOA_N

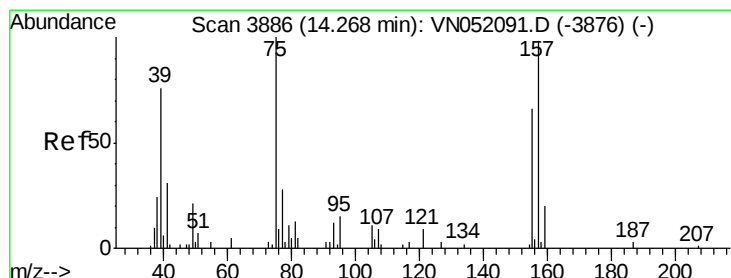
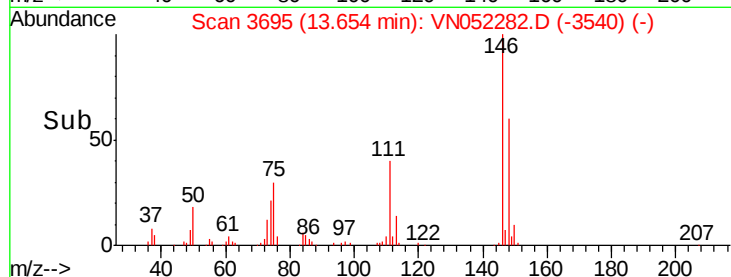
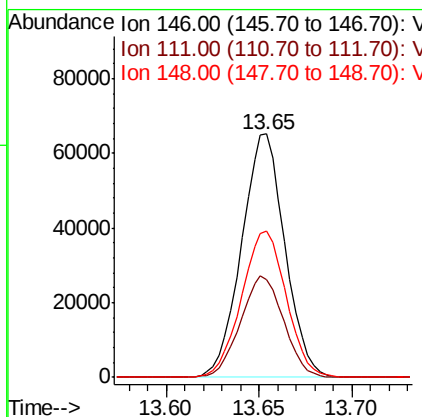
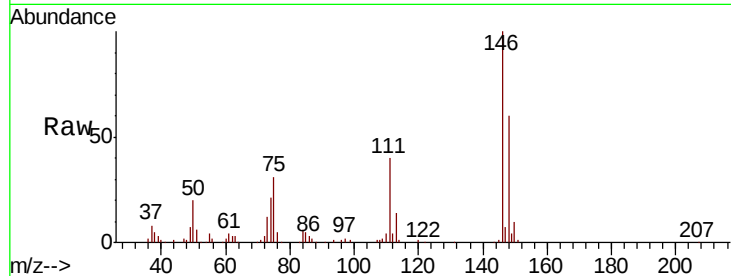
ClientSampleId :

VN1113WBS01

Tot Ion:	146	Resp:	106229
Ion Ratio	Lower	Upper	
146	100		
111	41.3	22.4	67.0
148	62.0	32.5	97.4

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 20.823 ug/l

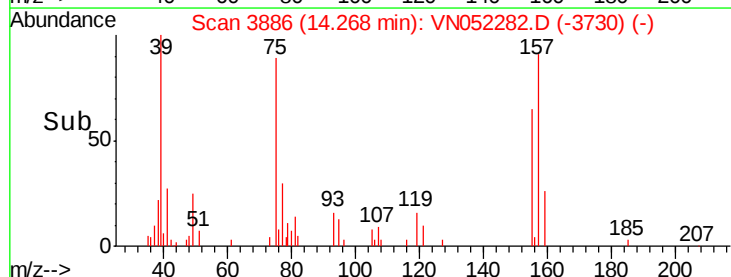
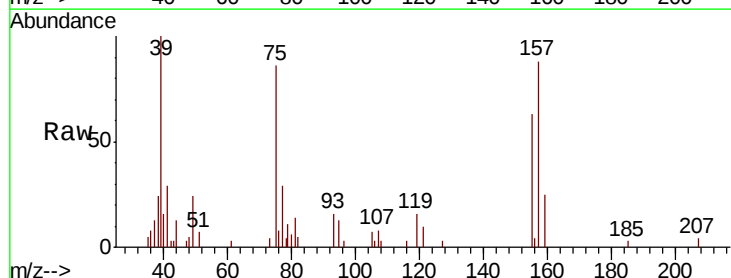
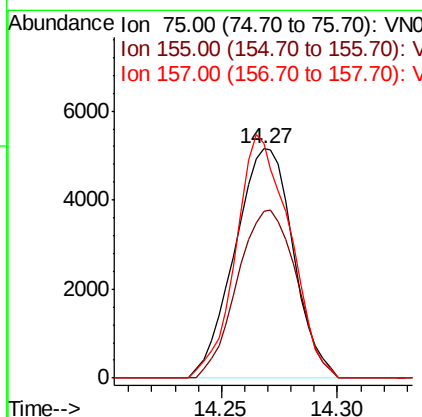
RT: 14.27 min Scan# 3886

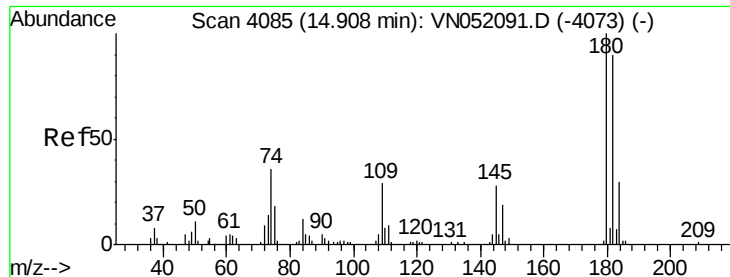
Delta R.T. -0.00 min

Lab File: VN052282.D

Acq: 13 Nov 2018 13:17

Tgt Ion:	75	Resp:	8995
Ion Ratio	Lower	Upper	
75	100		
155	74.1	56.7	85.1
157	97.9	80.4	120.6





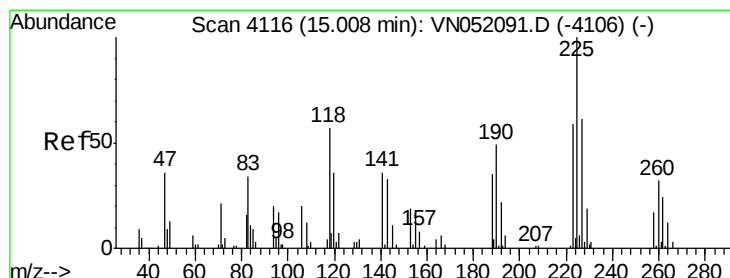
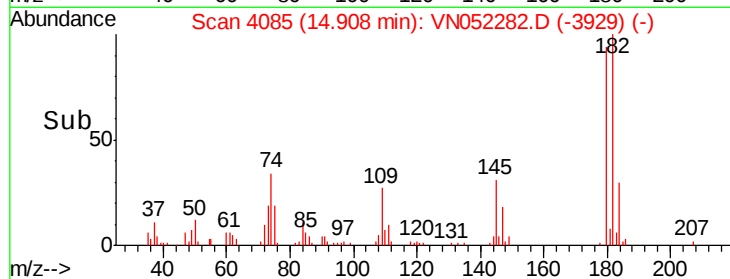
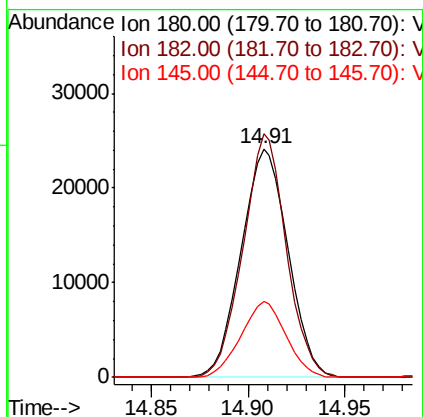
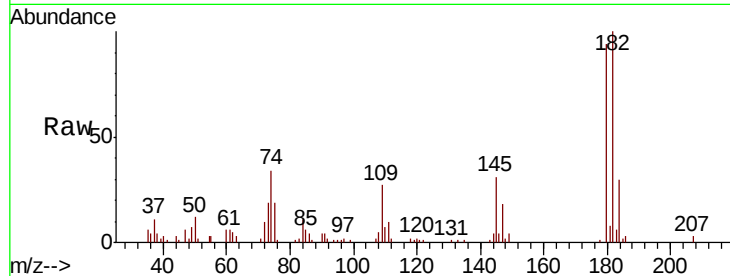
#89
1,2,4-Trichlorobenzene
Concen: 18.718 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	74.0	111.0
145	31.9	24.6	36.8

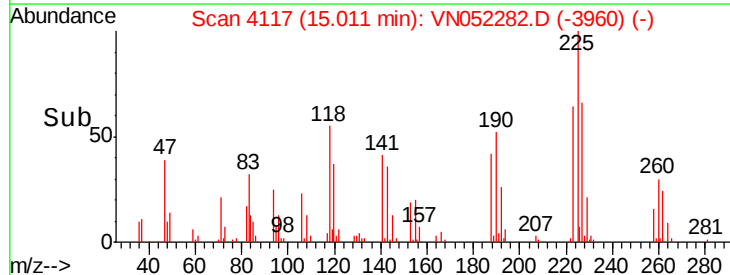
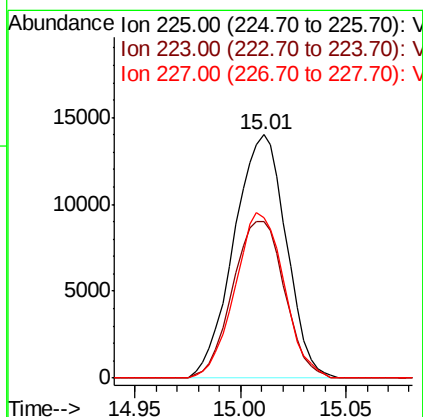
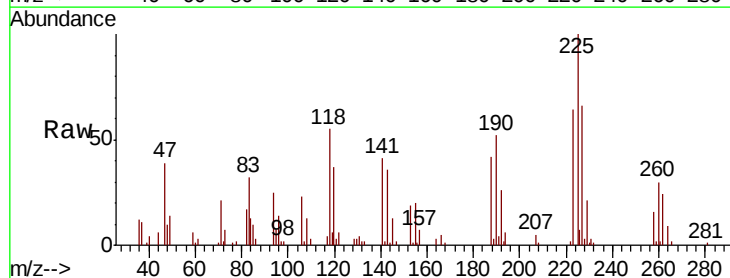
Manual Integrations
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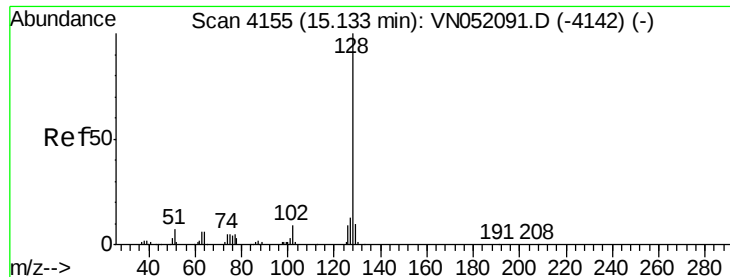
MMDadoda
11/14/2018 11:10:13 AM



#90
Hexachlorobutadiene
Concen: 20.303 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	0.0	121.2
227	63.7	0.0	127.2





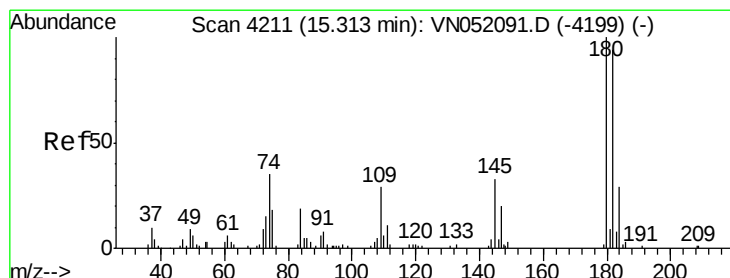
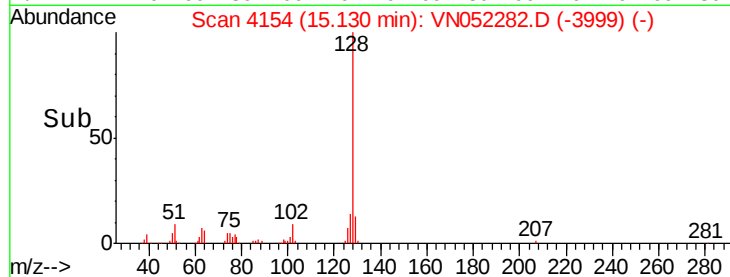
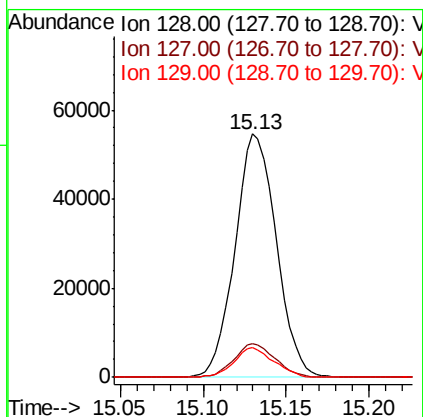
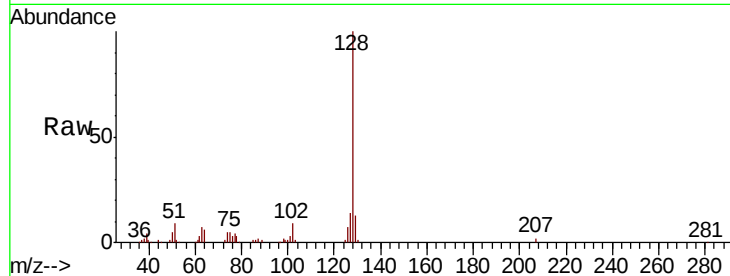
#91
Naphthalene
Concen: 18.932 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	11.8	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/14/2018 11:10:13 AM



#92
1,2,3-Trichlorobenzene
Concen: 21.032 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052282.D
Acq: 13 Nov 2018 13:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.1	0.0	186.6
145	32.6	0.0	66.6

