

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
 Data File : VN051619.D
 Acq On : 28 Sep 2018 17:09
 Operator : MD\SY
 Sample : VN0928WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 5:27:43 PM

Quant Time: Sep 29 05:07:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	100523	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	547888	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	474292	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	215609	30.80	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.67%
60) 4-Bromofluorobenzene	12.40	95	214752	29.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.17%
63) Toluene-d8	10.09	98	683163	30.53	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	177641	20.137	ug/l 99
3) Chloromethane	2.06	50	188269	19.071	ug/l 99
4) Vinyl Chloride	2.19	62	181483	18.740	ug/l 97
5) Bromomethane	2.57	94	92394	18.367	ug/l 95
6) Chloroethane	2.70	64	87131	17.934	ug/l 98
7) Trichlorofluoromethane	3.01	101	222451	18.800	ug/l 97
8) Diethyl Ether	3.41	74	69279	18.641	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	133863	20.014	ug/l 97
10) 1,1-Dichloroethene	3.74	96	113011	18.619	ug/l 97
11) Methyl Iodide	3.95	142	141095	18.059	ug/l 99
12) Methyl Acetate	4.33	43	100325	18.728	ug/l 100
13) Acrolein	3.61	56	45982	77.695	ug/l 96
14) Acrylonitrile	4.99	53	198147	92.363	ug/l 99
15) Acetone	3.82	58	53774	95.600	ug/l 98
16) Carbon Disulfide	4.05	76	358156	18.311	ug/l 99
17) Allyl chloride	4.33	41	197958	18.232	ug/l 98
18) Methylene Chloride	4.55	84	131327	18.820	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	119071	18.480	ug/l 95
20) Diisopropyl ether	5.95	45	415964	19.311	ug/l 96
21) 1,1-Dichloroethane	5.85	63	243338	19.061	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	129219	18.363	ug/l 96
23) tert-Butyl Alcohol	4.79	59	36577	89.133	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	301508	18.901	ug/l 99
25) Chloroform	7.37	83	234401	19.203	ug/l 95
26) Cyclohexane	7.65	56	201756	18.263	ug/l 98
29) 1,1-Dichloropropene	7.79	75	173175	18.536	ug/l 99
30) 2-Butanone	6.84	43	241588	95.012	ug/l 100
31) 2,2-Dichloropropane	6.83	77	193838	19.224	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	200429	19.094	ug/l 98
33) Carbon Tetrachloride	7.77	117	179496	19.025	ug/l 98
34) Benzene	8.04	78	529143	19.090	ug/l 99
35) Methacrylonitrile	7.18	41	42732	14.948	ug/l 95
36) 1,2-Dichloroethane	8.13	62	168411	19.062	ug/l 99
37) Trichloroethene	8.84	130	132672	18.643	ug/l 99
38) Methylcyclohexane	9.08	83	195991	18.180	ug/l 98
39) 1,2-Dichloropropane	9.12	63	145868	19.206	ug/l 97
40) Dibromomethane	9.21	93	83348	19.755	ug/l 97

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Manual Integrations
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Quant Time: Sep 29 05:07:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	173435	18.832	ug/l	99
42) Vinyl Acetate	5.90	43	1322433	93.420	ug/l	100
43) Ethyl Acetate	6.93	43	102117	18.973	ug/l	99
44) Isopropyl Acetate	8.17	43	191625	18.184	ug/l	99
45) 1,4-Dioxane	9.20	88	22673	397.723	ug/l	98
46) Methyl methacrylate	9.20	41	89431	18.243	ug/l	99
47) n-amyl Acetate	12.07	43	135812	17.224	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	164915	17.942	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	197796	18.406	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	113012	18.954	ug/l	99
51) Ethyl methacrylate	10.43	69	130326	18.016	ug/l	98
52) 1,3-Dichloropropane	10.71	76	195041	19.079	ug/l	99
53) Dibromochloromethane	10.90	129	126243	18.591	ug/l	98
54) 1,2-Dibromoethane	11.01	107	108310	18.932	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	331436	92.693	ug/l	100
56) Bromoform	12.13	173	82321	18.269	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	525016	97.497	ug/l	99
59) 2-Hexanone	10.75	43	333524	94.147	ug/l	98
61) Tetrachloroethene	10.63	164	130821	19.482	ug/l	98
62) Toluene	10.16	91	553507	19.032	ug/l	100
64) Chlorobenzene	11.43	112	325352	18.503	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	126133	18.786	ug/l	99
66) Ethyl Benzene	11.51	91	540416	18.157	ug/l	99
67) m/p-Xylenes	11.62	106	426359	37.167	ug/l	99
68) o-Xylene	11.95	106	202426	18.486	ug/l	96
69) Styrene	11.96	104	316751	18.429	ug/l	99
70) Isopropylbenzene	12.25	105	541266	18.530	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	137565	19.466	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	123340m	20.413	ug/l	
73) Bromobenzene	12.53	156	133175	18.321	ug/l	98
74) n-propylbenzene	12.59	91	622493	18.306	ug/l	100
75) 2-Chlorotoluene	12.67	91	373311	18.385	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	456430	18.700	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	32867	17.175	ug/l	94
78) 4-Chlorotoluene	12.77	91	370119	18.453	ug/l	99
79) tert-butylbenzene	12.99	119	385114	18.212	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	453013	18.582	ug/l	100
81) sec-Butylbenzene	13.17	105	539710	18.477	ug/l	100
82) p-Isopropyltoluene	13.29	119	459247	18.395	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	235599	18.600	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	213828	17.959	ug/l	100
85) n-Butylbenzene	13.61	91	353788	17.265	ug/l	100
86) Hexachloroethane	13.87	117	89910	18.006	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	229898	18.554	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	19144	18.586	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	91272	15.738	ug/l	99
90) Hexachlorobutadiene	15.01	225	89415	18.911	ug/l	98
91) Naphthalene	15.13	128	159395	17.626	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	98776	16.935	ug/l	99

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ALS Vial : 15 Sample Multiplier: 28

Instrument :
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ClientSampleId :
VN0928WBS01

Manual Integrations
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QLast Update : Sat Sep 29 01:07:29 2018
Response via : Initial Calibration

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

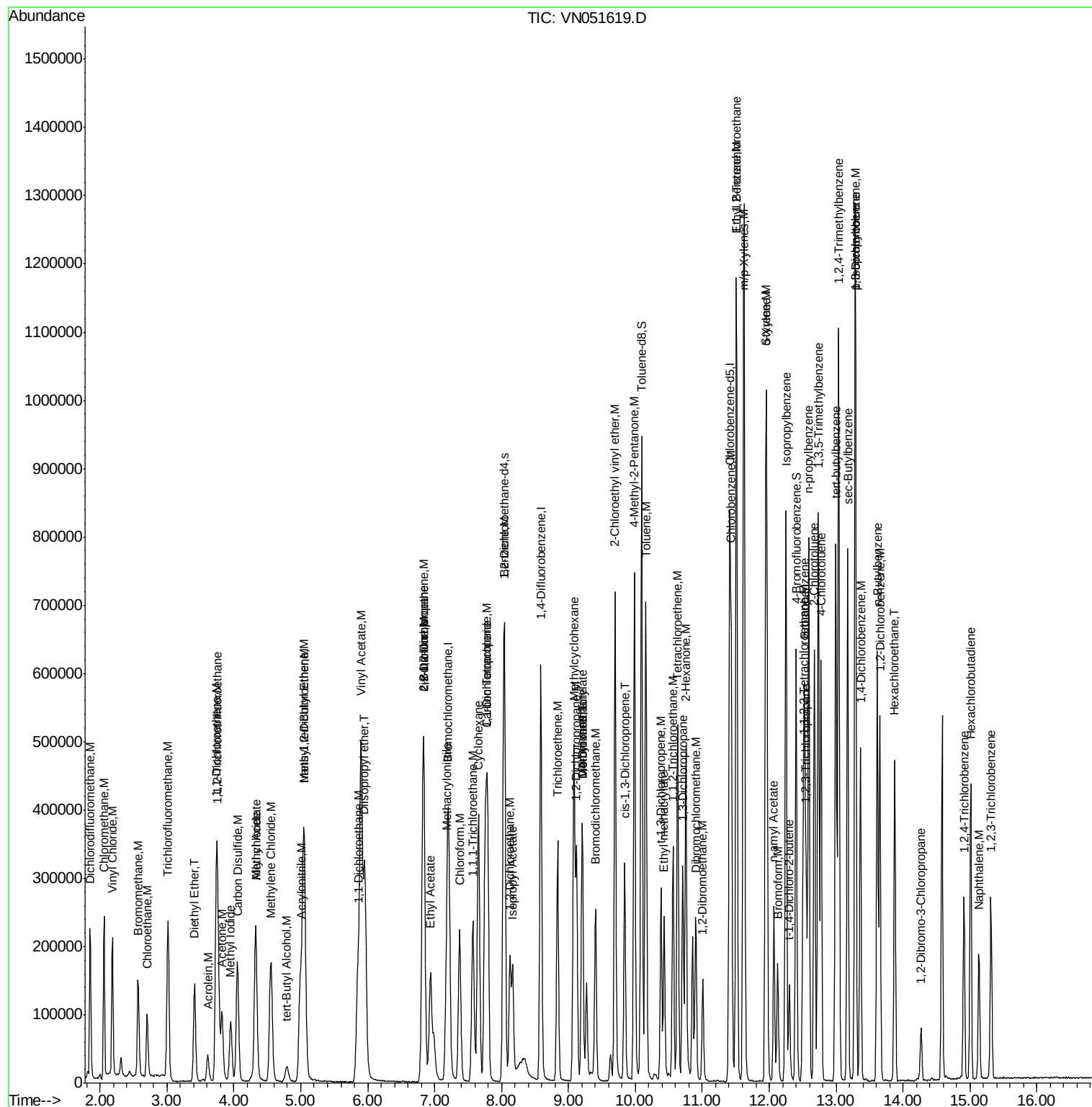
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
Data File : VN051619.D
Acq On : 28 Sep 2018 17:09
Operator : MD\SY
Sample : VN0928WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 28

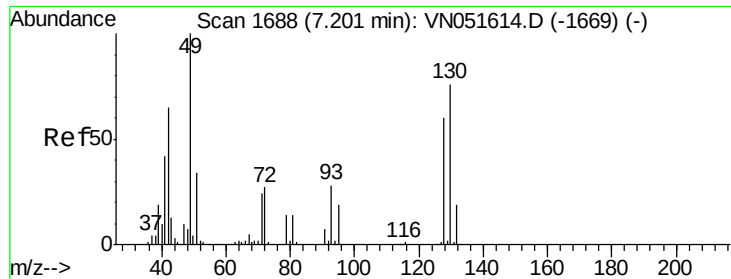
Instrument :
MSVOA_N
Client Sample Id :
VN0928WBS01

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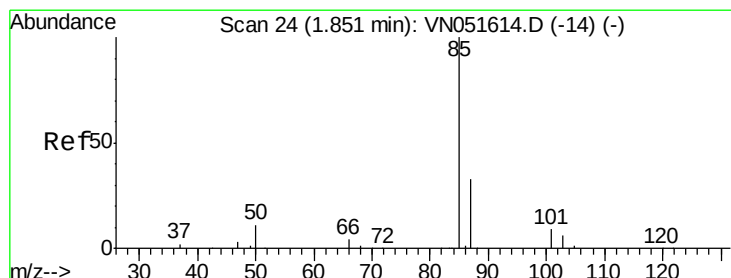
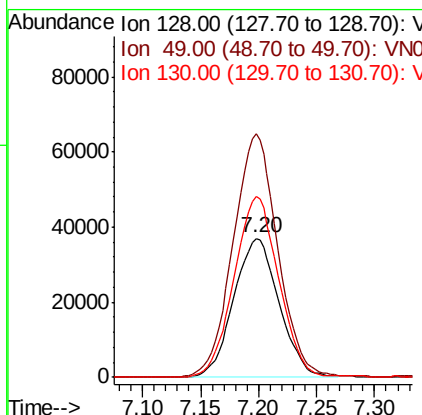
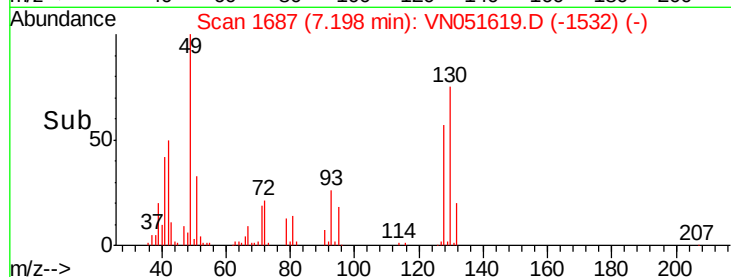
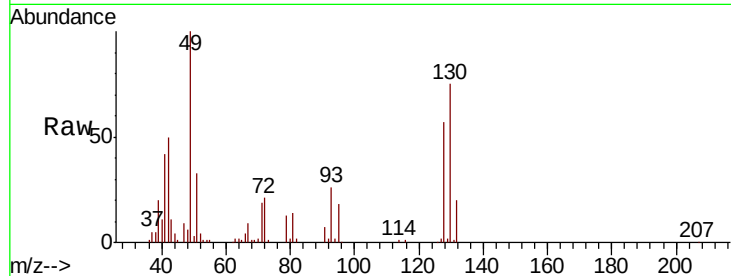
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
49	172.8	0.0	426.8	
130	128.0	0.0	326.3	

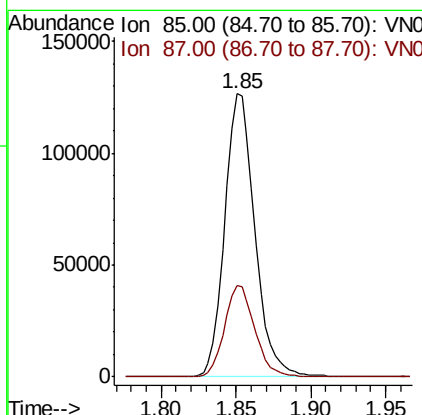
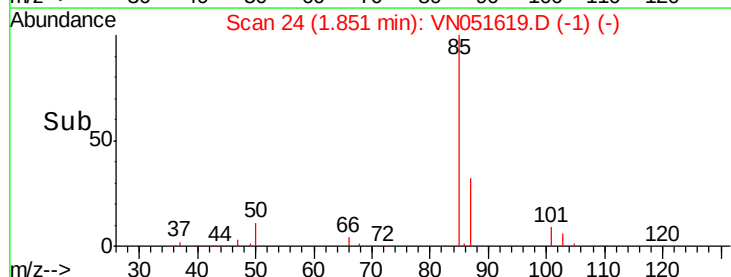
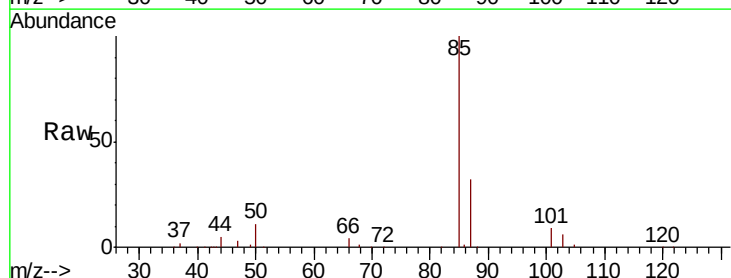
Manual Integrations
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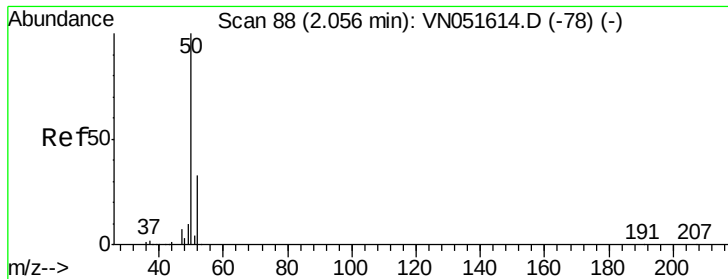
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#2
 Dichlorodifluoromethane
 Concen: 20.137 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
85	100			
87	32.2	16.3	48.8	





#3

Chloromethane

Concen: 19.071 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion: 50 Resp: 188269

Ion Ratio Lower Upper

50 100

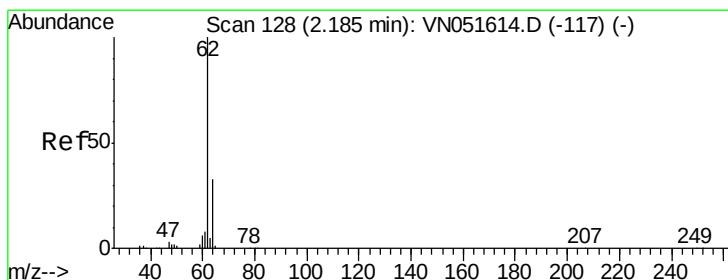
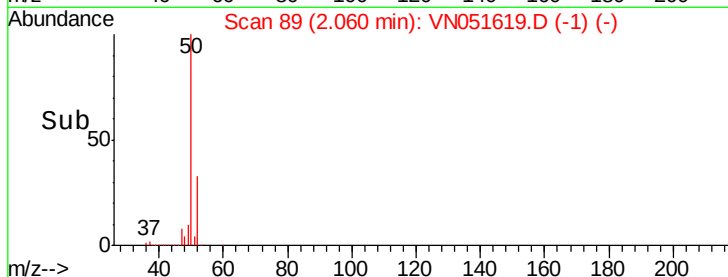
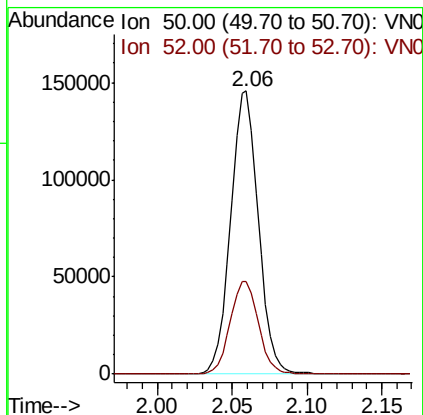
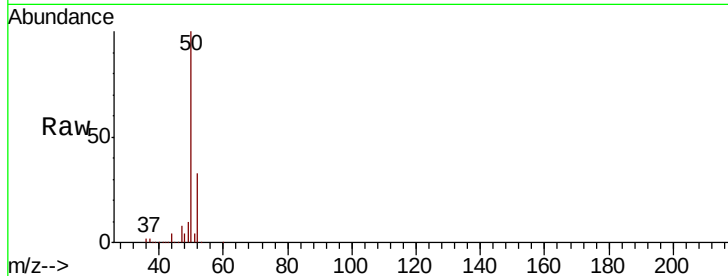
52 32.9 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.740 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051619.D

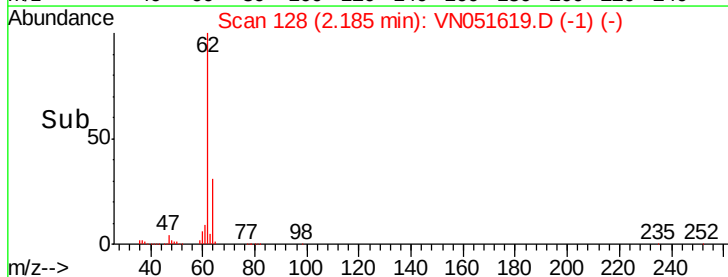
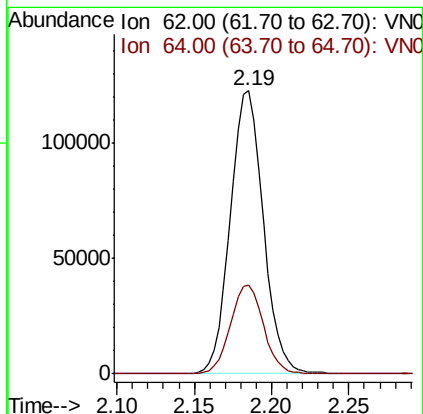
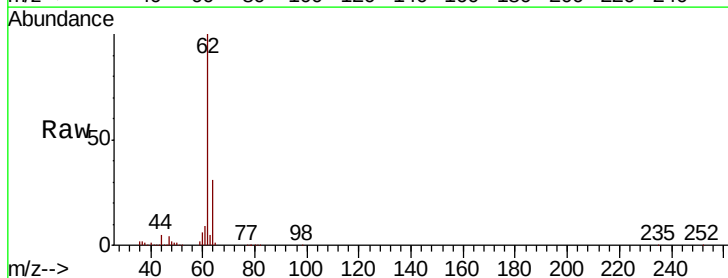
Acq: 28 Sep 2018 17:09

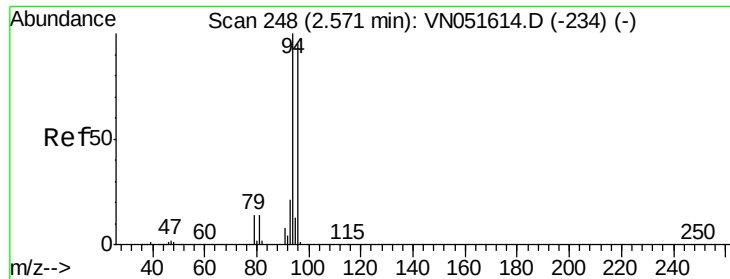
Tgt Ion: 62 Resp: 181483

Ion Ratio Lower Upper

62 100

64 31.3 26.3 39.5





#5

Bromomethane

Concen: 18.367 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion: 94 Resp: 92394

Ion Ratio Lower Upper

94 100

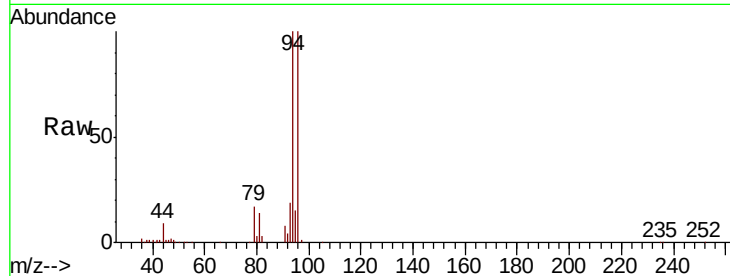
96 99.4 75.8 113.6

Manual Integrations

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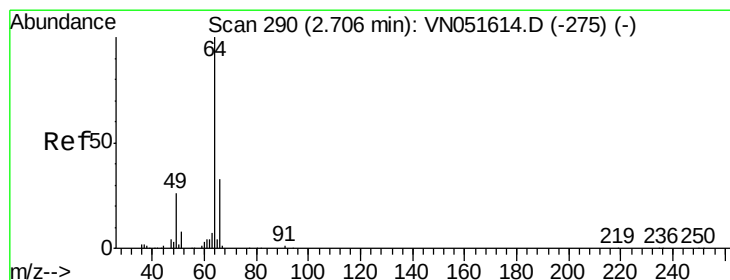
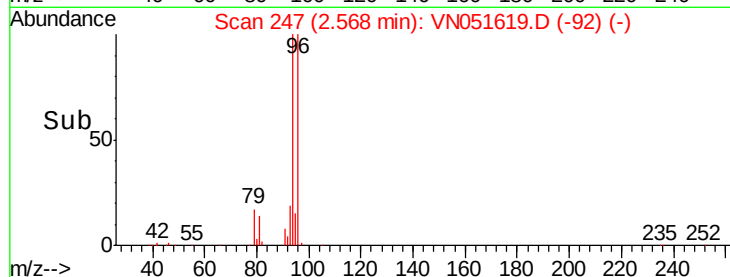
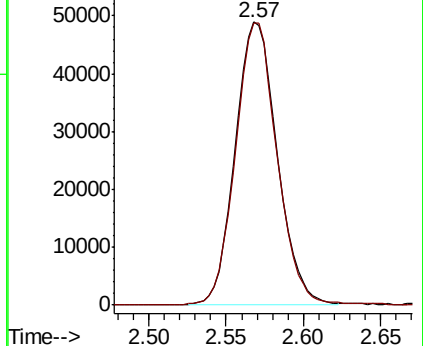
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 17.934 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051619.D

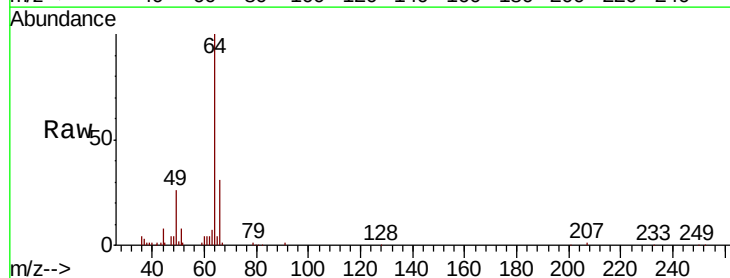
Acq: 28 Sep 2018 17:09

Tgt Ion: 64 Resp: 87131

Ion Ratio Lower Upper

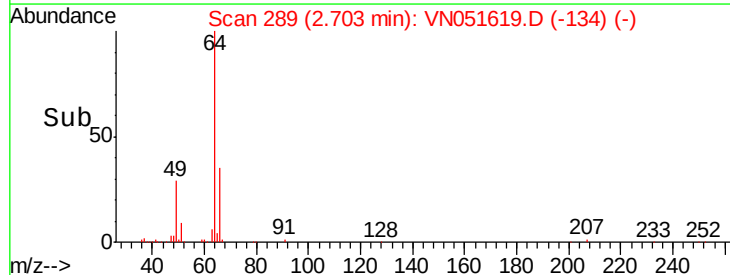
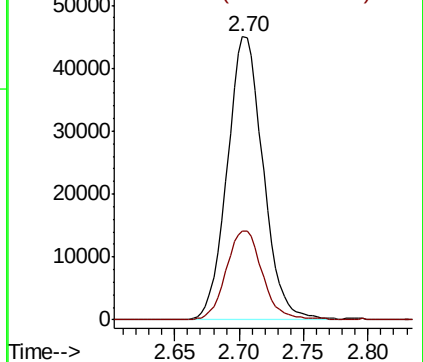
64 100

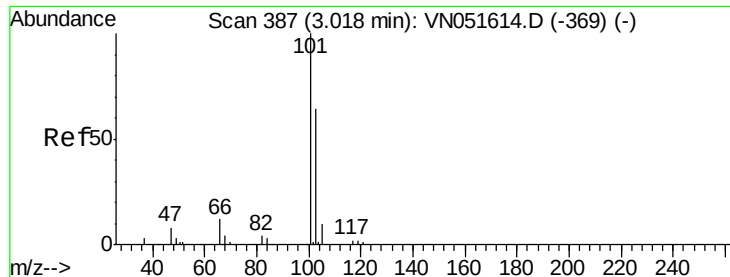
66 31.3 26.1 39.1



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

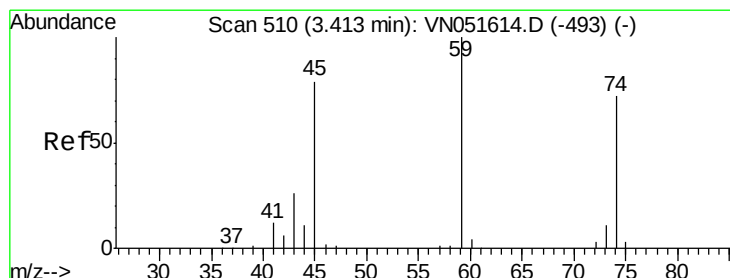
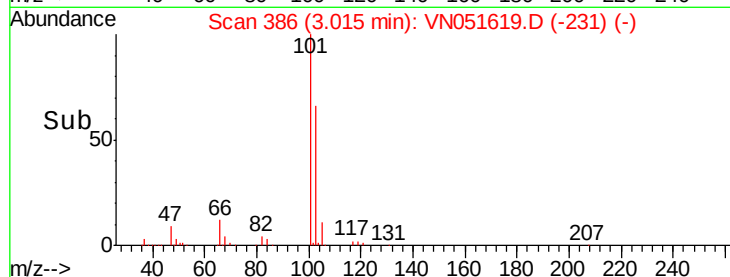
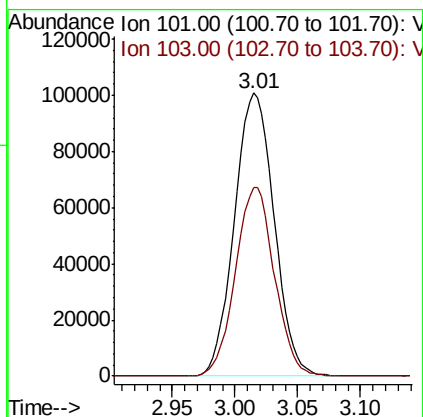
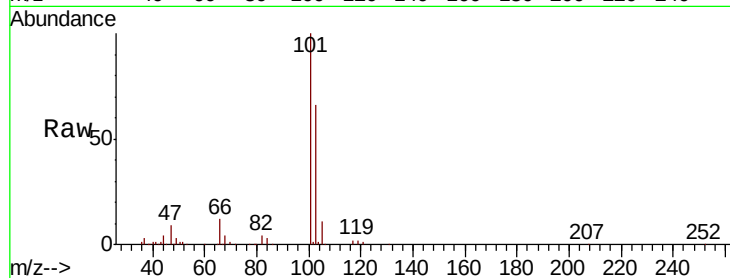
Trichlorofluoromethane
Concen: 18.800 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.2	76.8

Manual Integrations
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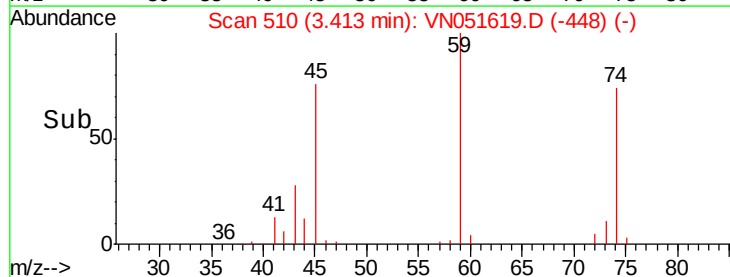
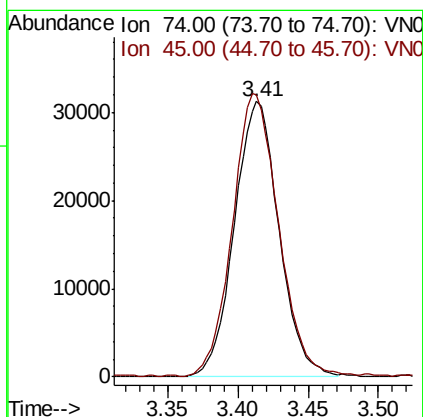
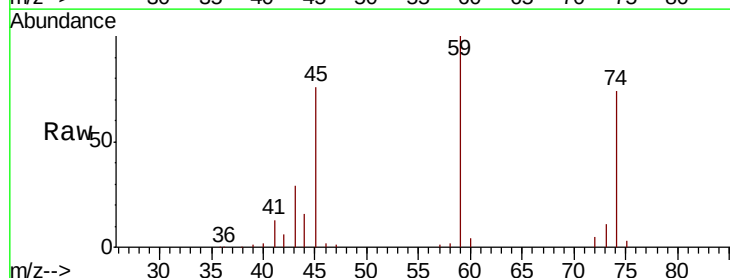
MMDadoda
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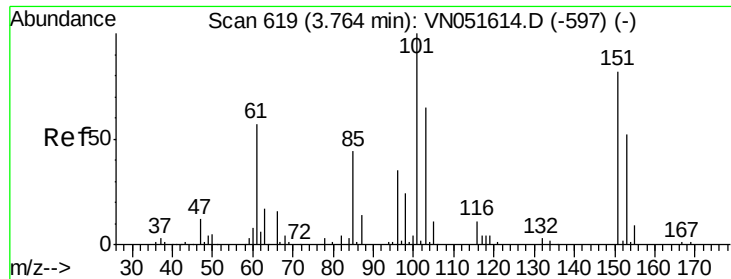


#8

Diethyl Ether
Concen: 18.641 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.6	21.3	191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.014 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051619.D

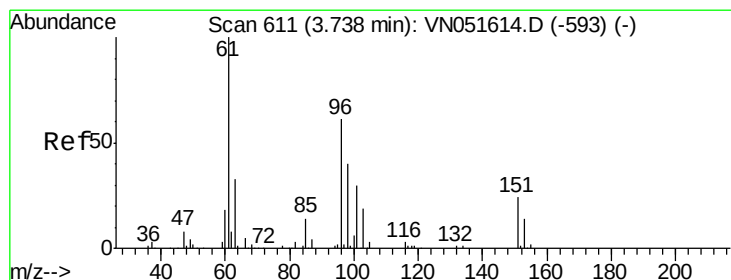
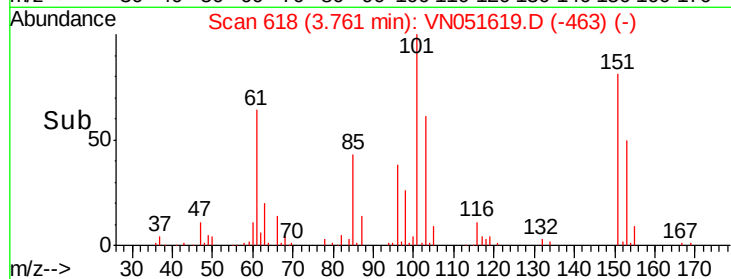
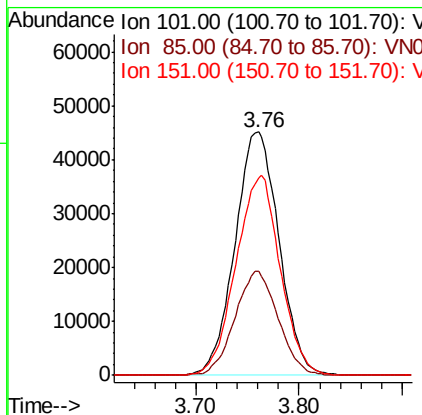
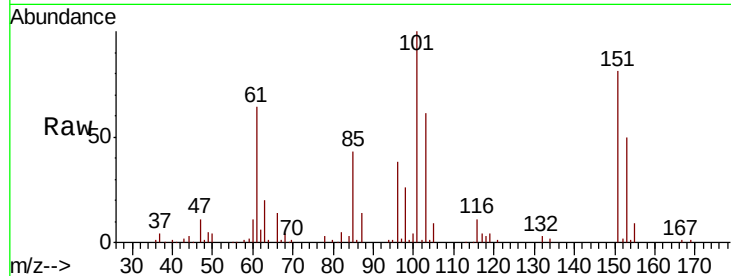
Acq: 28 Sep 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	41.8	0.0	89.4
151	82.5	0.0	167.6

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#10

1,1-Dichloroethene

Concen: 18.619 ug/l

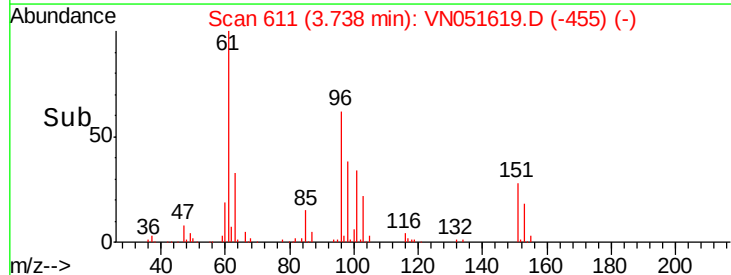
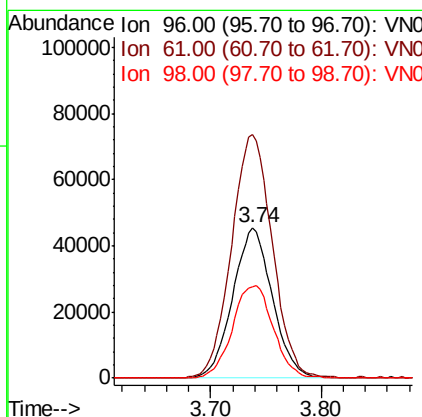
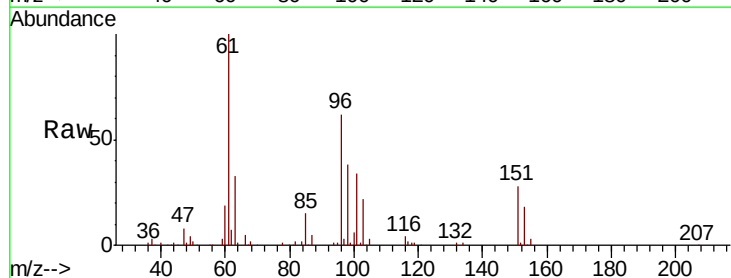
RT: 3.74 min Scan# 611

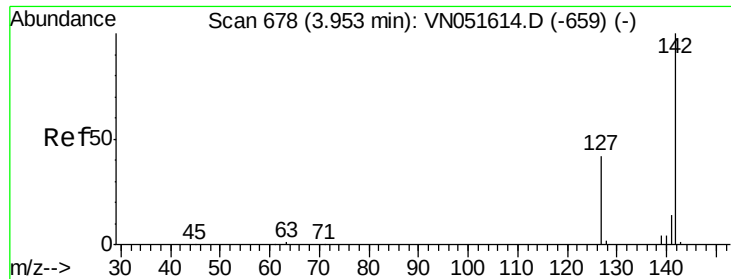
Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	161.1	131.0	196.4
98	61.0	52.7	79.1





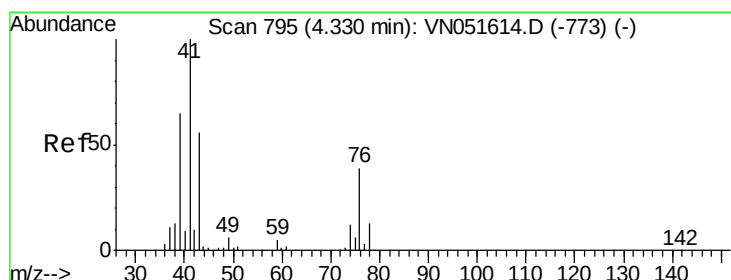
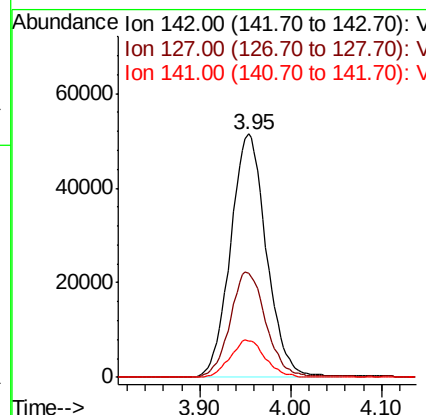
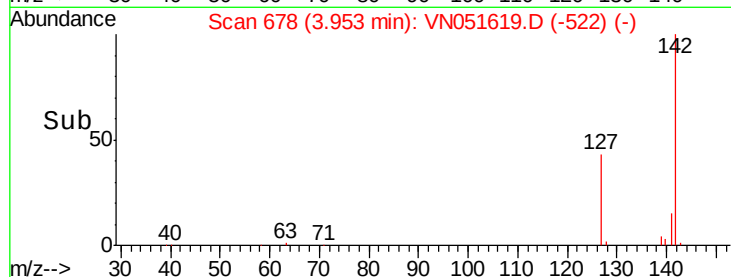
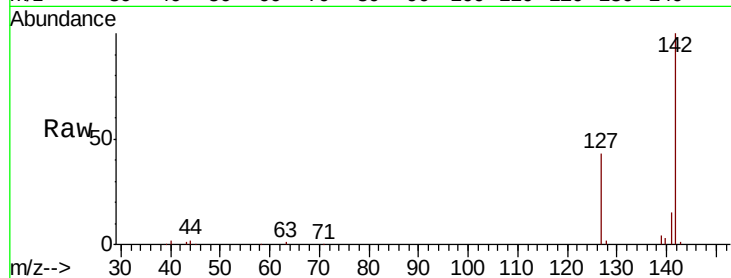
#11
Methvl Iodide
Concen: 18.059 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.4	21.1	63.1
141	15.2	7.1	21.4

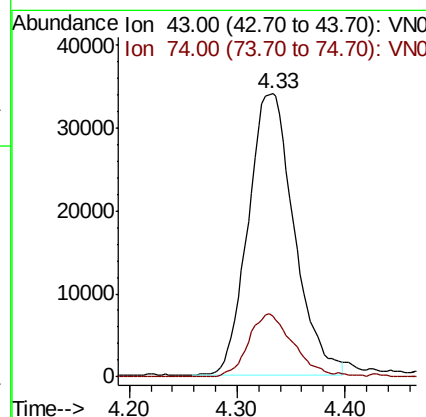
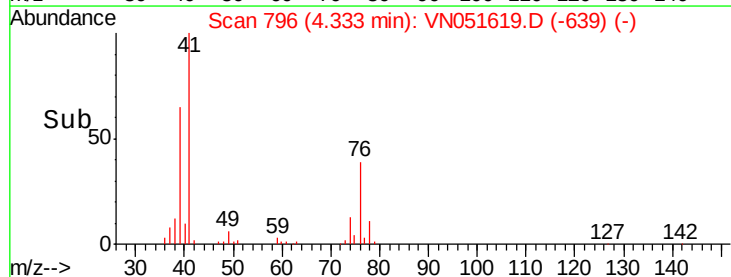
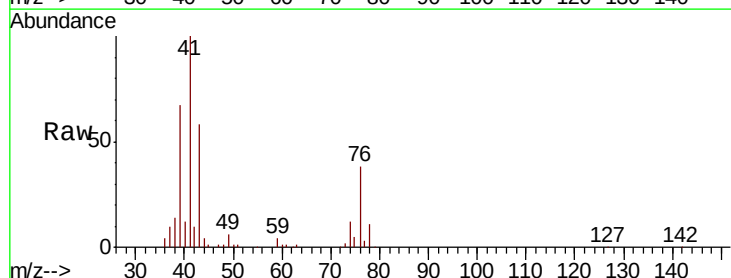
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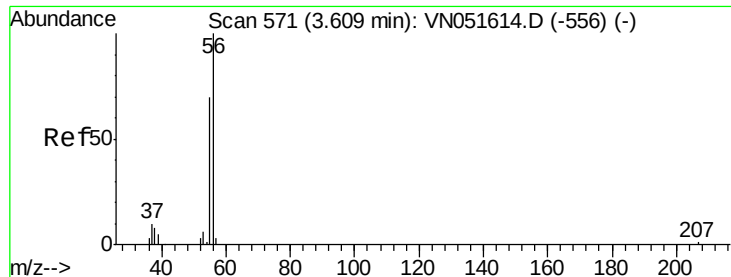
MMDadoda
10/3/2018 5:27:43 PM



#12
Methyl Acetate
Concen: 18.728 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.0	25.4





#13

Acrolein

Concen: 77.695 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion: 56 Resp: 45982

Ion Ratio Lower Upper

56 100

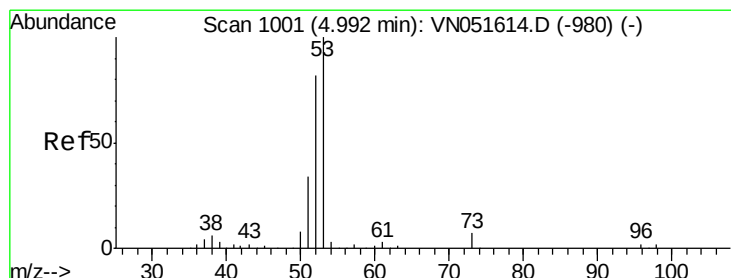
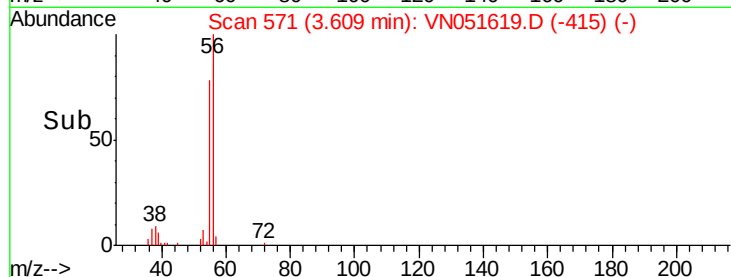
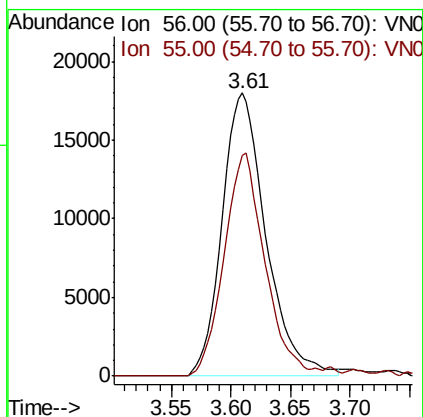
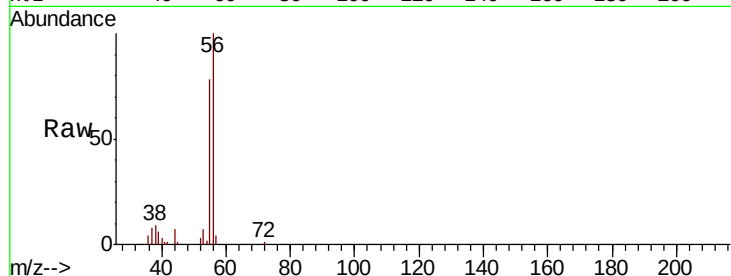
55 72.7 55.8 83.8

Manual Integrations

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#14

Acrylonitrile

Concen: 92.363 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

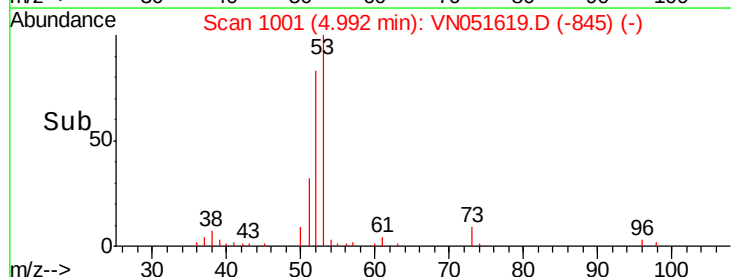
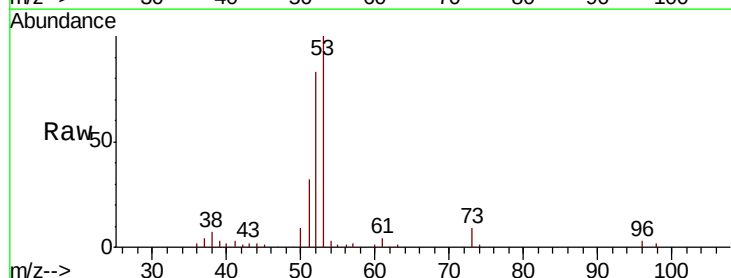
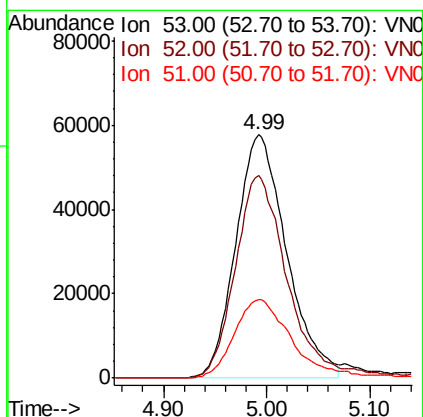
Tgt Ion: 53 Resp: 198147

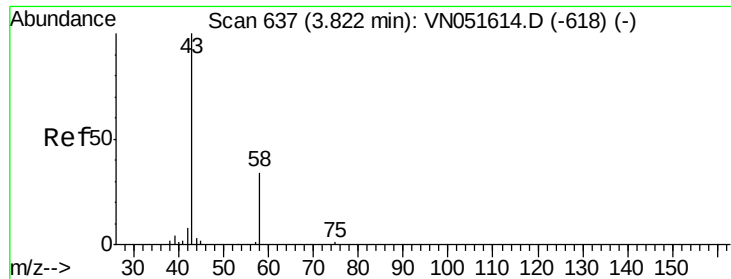
Ion Ratio Lower Upper

53 100

52 83.2 41.3 123.7

51 35.2 17.1 51.2





#15

Acetone

Concen: 95.600 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion: 58 Resp: 53774

Ion Ratio Lower Upper

58 100

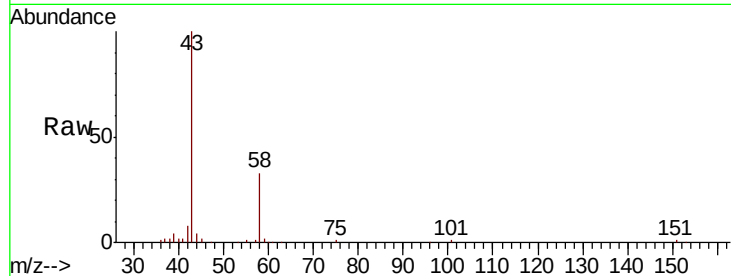
43 301.1 238.0 357.0

Manual Integrations

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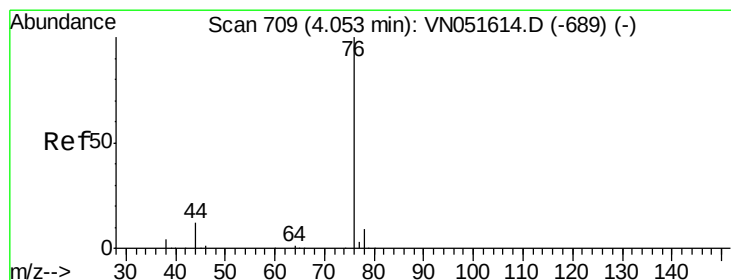
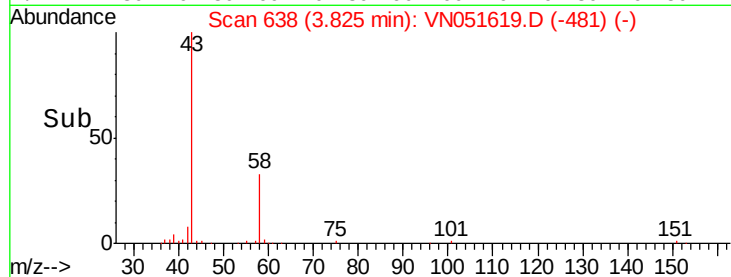
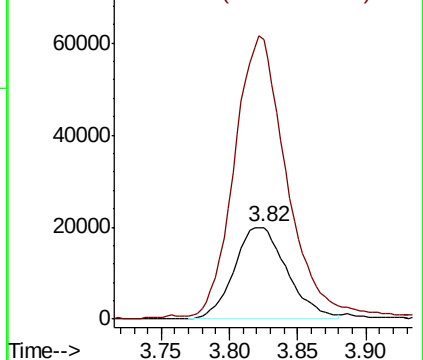
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.311 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051619.D

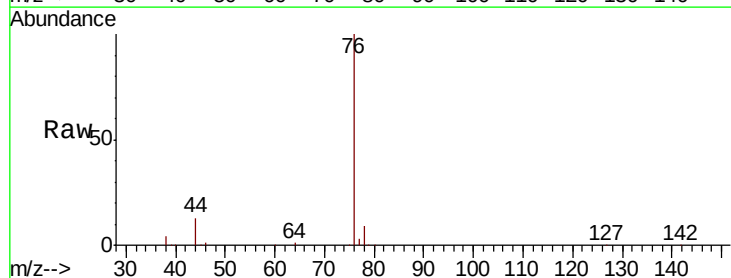
Acq: 28 Sep 2018 17:09

Tgt Ion: 76 Resp: 358156

Ion Ratio Lower Upper

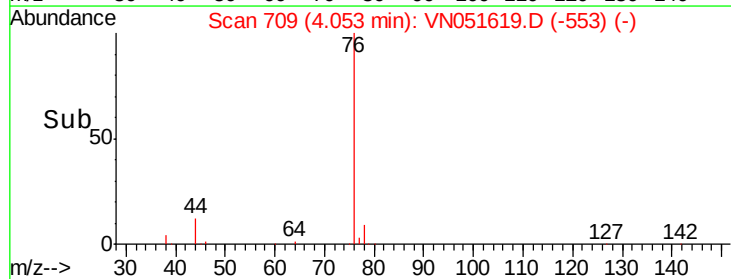
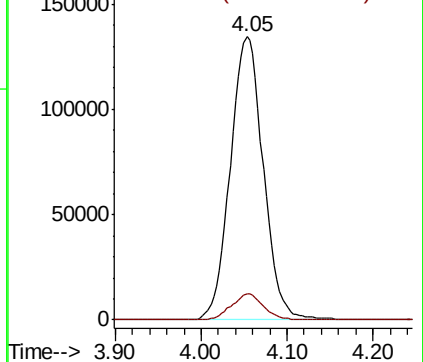
76 100

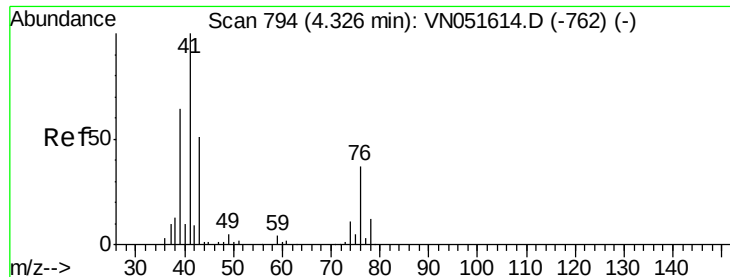
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





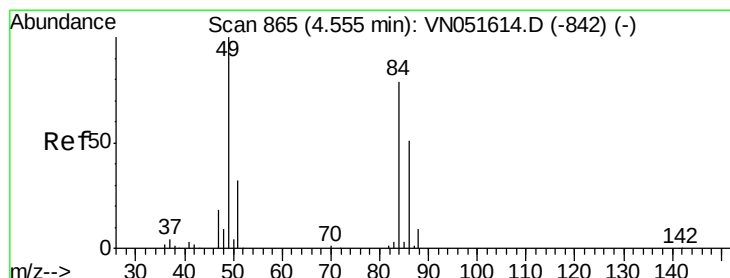
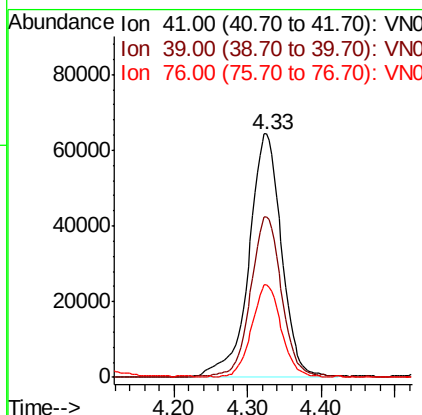
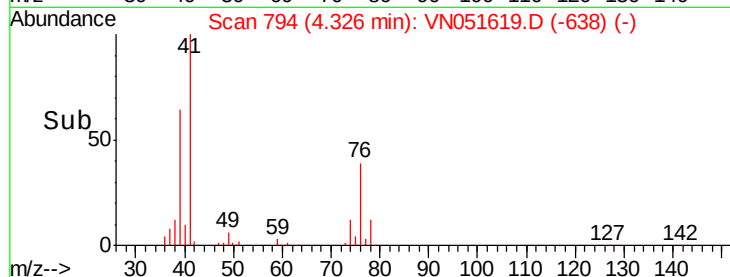
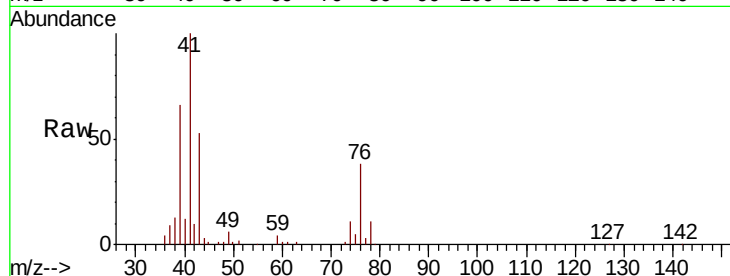
#17
Allvl chloride
Concen: 18.232 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.0	31.9	95.9
76	37.3	18.6	56.0

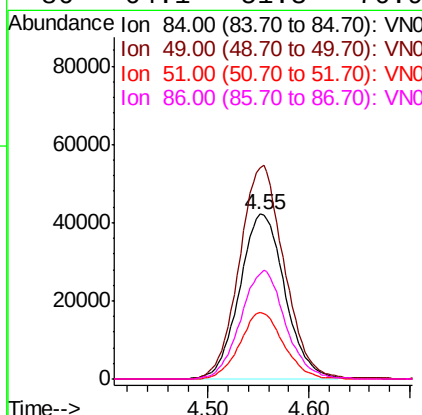
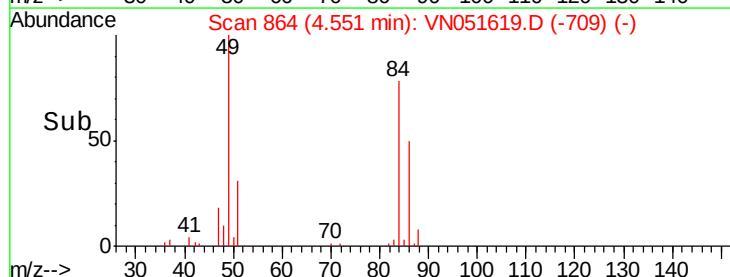
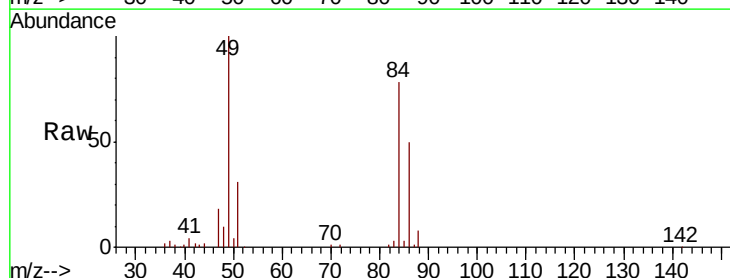
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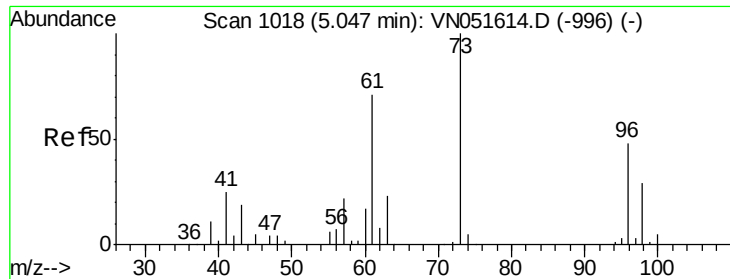
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#18
Methylene Chloride
Concen: 18.820 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.6	100.9	151.3
51	40.3	32.5	48.7
86	64.1	51.3	76.9





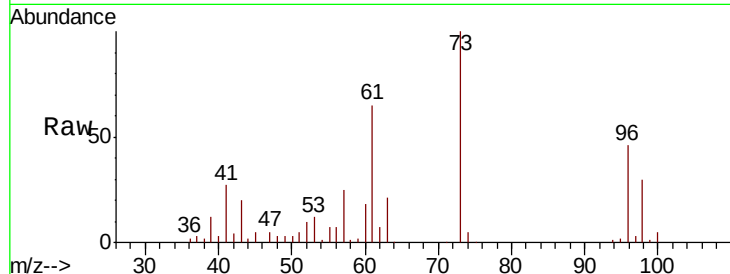
#19
trans-1,2-Dichloroethene
Concen: 18.480 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		119071		
61	141.1		118.0	177.0	
98	64.0		49.0	73.4	

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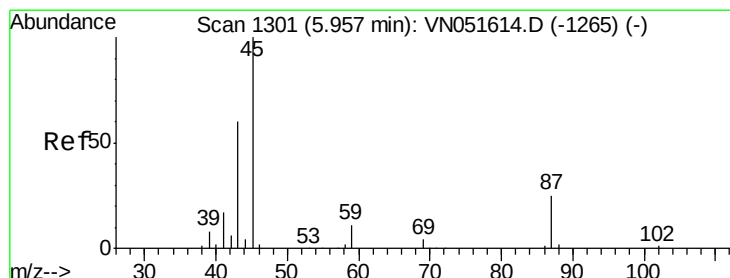
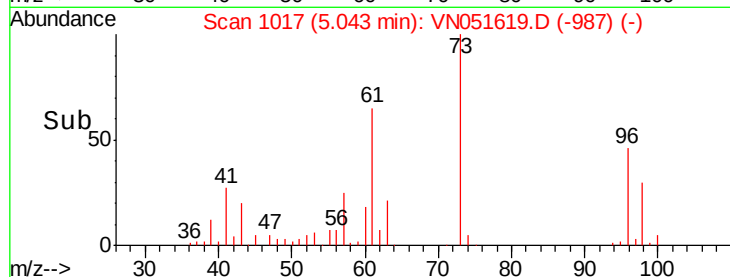
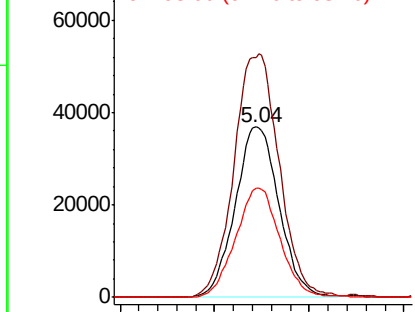


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 19.311 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		415964		
43	64.3		48.3	72.5	
87	24.9		20.8	31.2	
59	10.6		8.8	13.2	

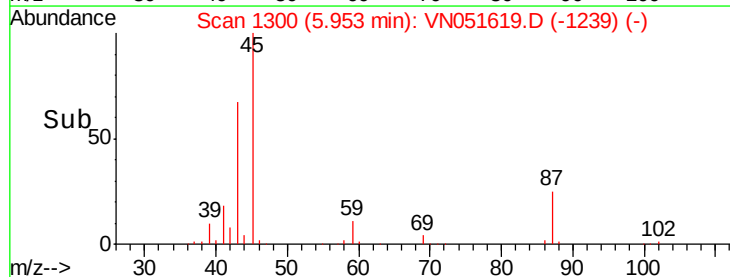
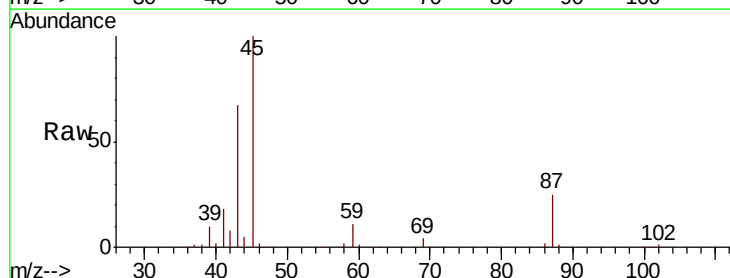
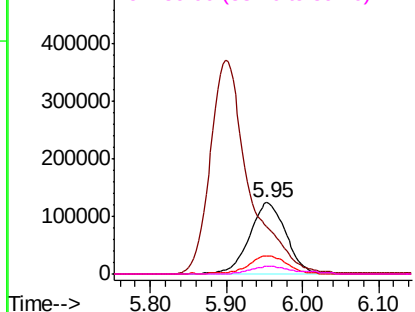
Abundance

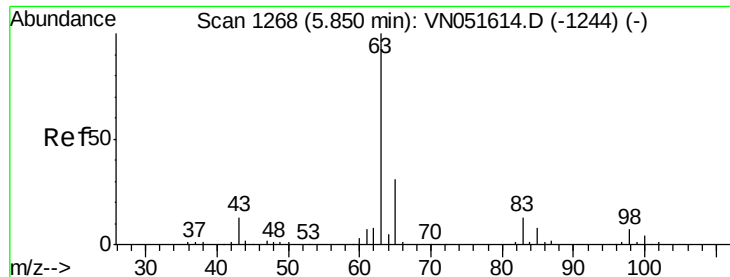
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





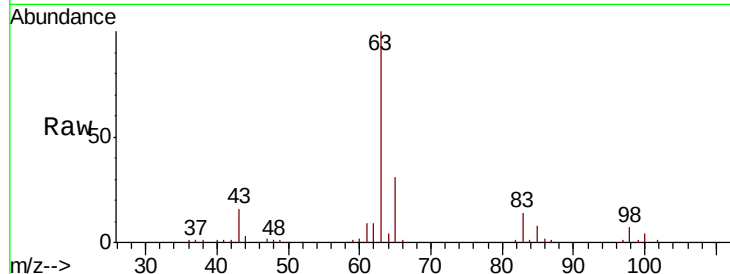
#21
1,1-Dichloroethane
Concen: 19.061 ug/l
RT: 5.85 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

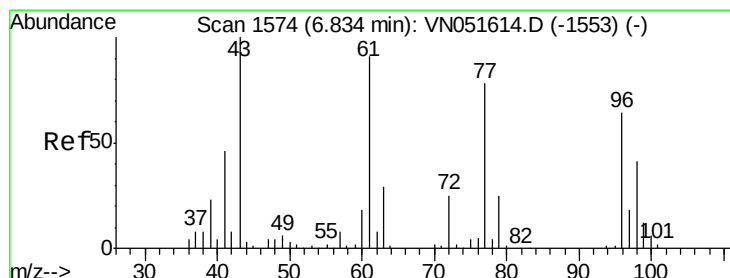
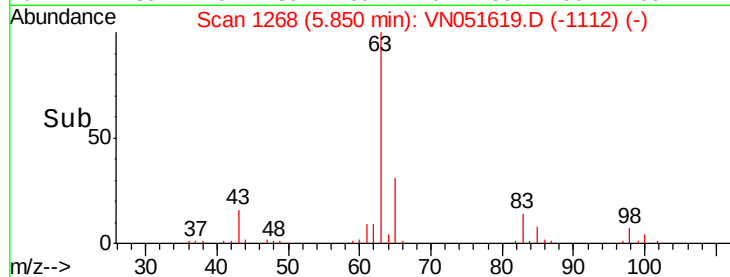
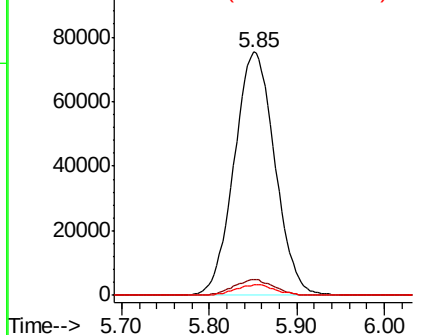
Tot Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.3	9.9
100	4.3	2.0	5.8

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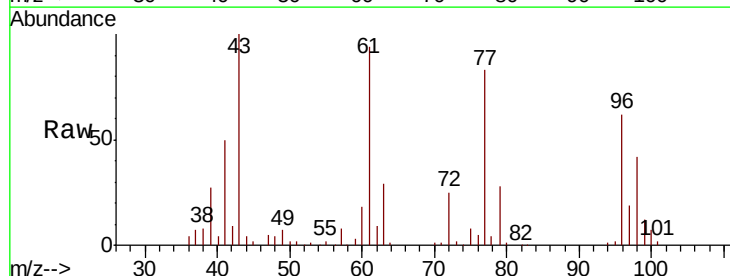


Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

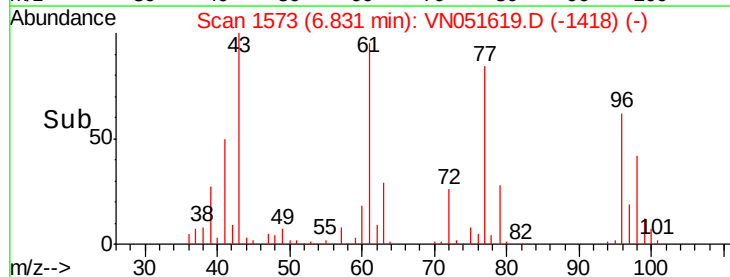
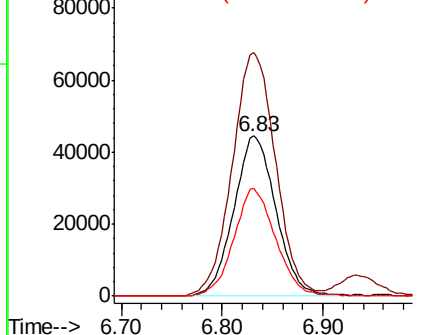


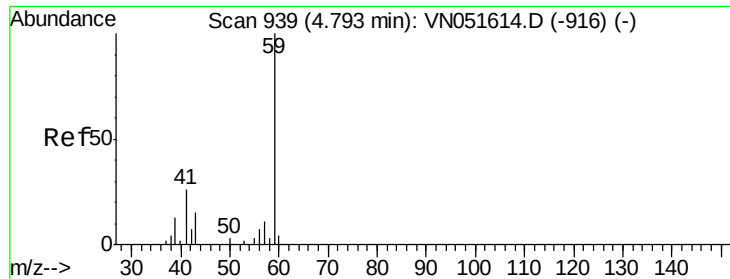
#22
cis-1,2-Dichloroethene
Concen: 18.363 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.8	120.4	180.6
98	66.1	51.4	77.0



Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





#23

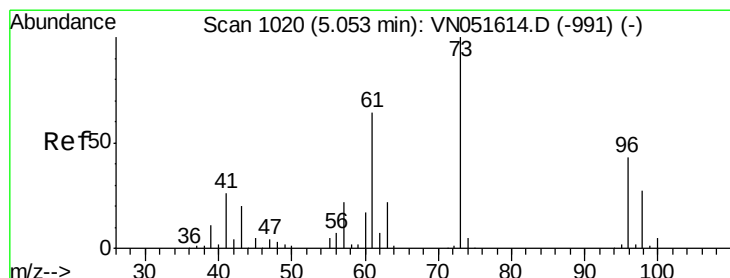
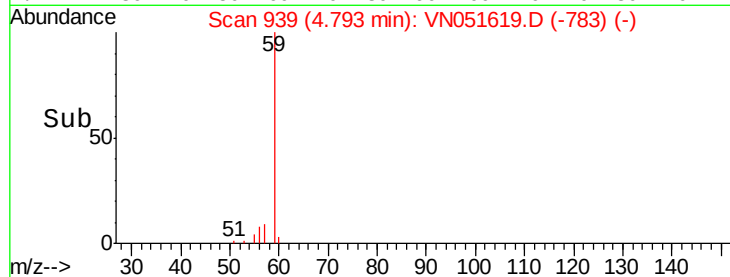
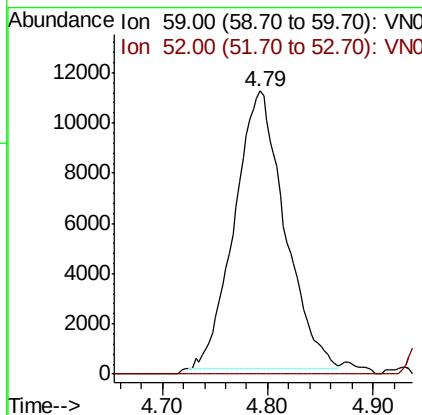
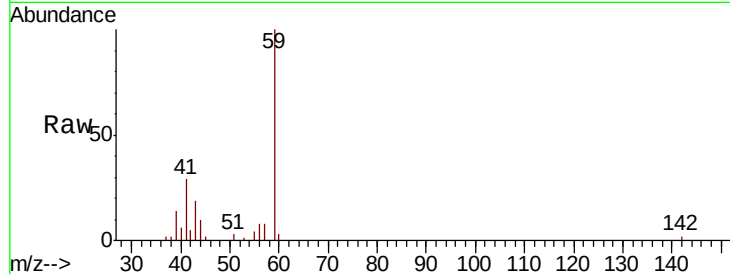
tert-Butyl Alcohol
 Concen: 89.133 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

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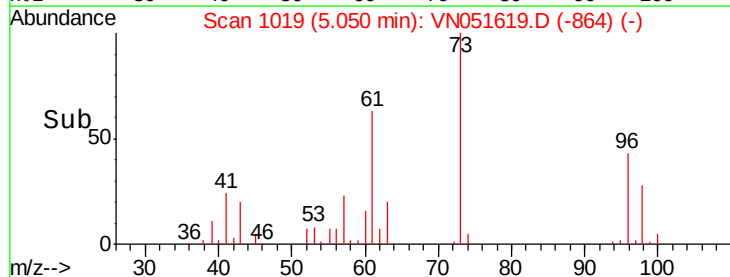
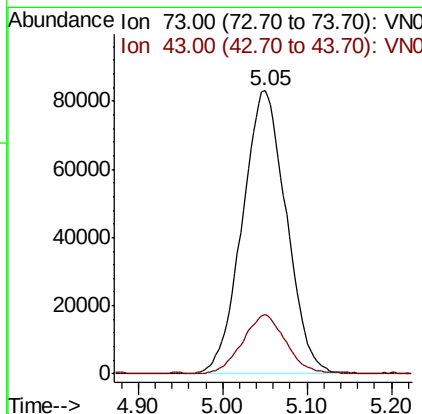
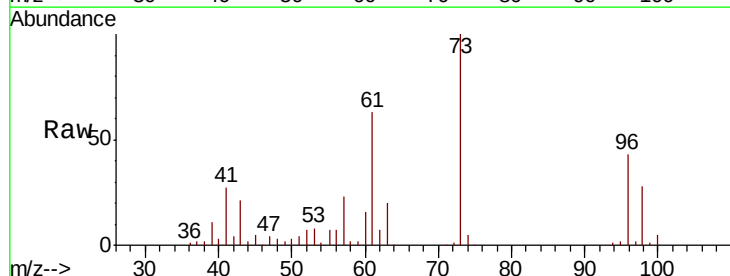
MMDadoda
 10/3/2018 5:27:43 PM

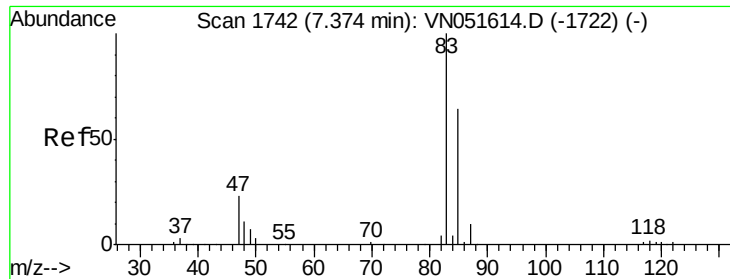


#24

Methyl tert-Butyl Ether
 Concen: 18.901 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.8	16.1	24.1





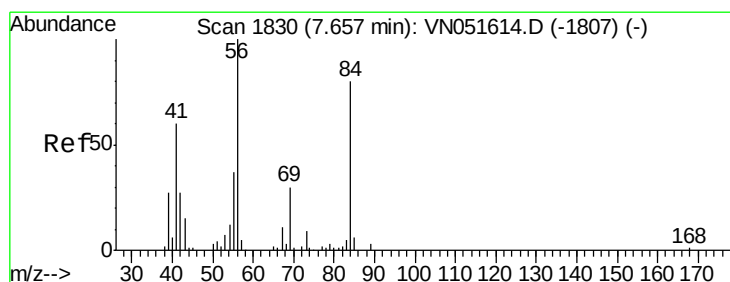
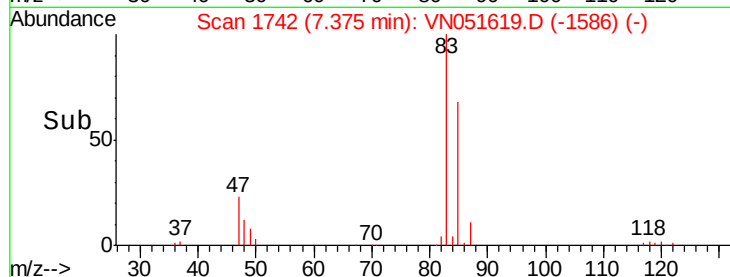
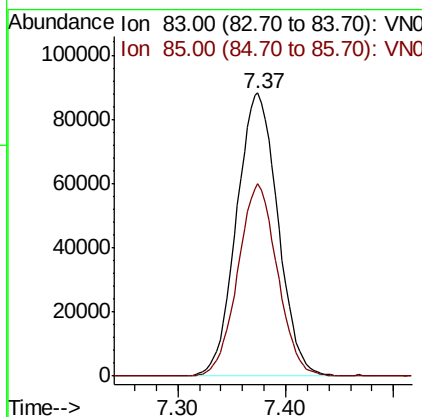
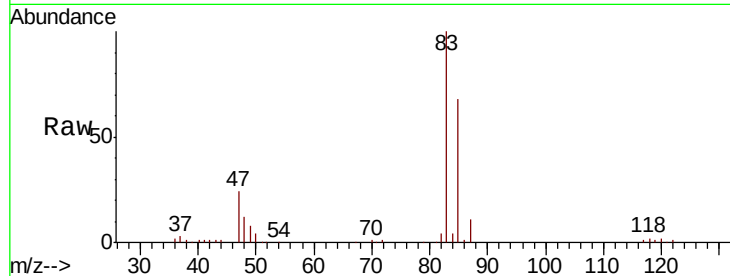
#25
Chloroform
Concen: 19.203 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Instrument :
MSVOA_N
ClientSampled :
VN0928WBS01

Tot Ion	83	Resp	234401
Ion Ratio	100	Lower	Upper
83	100		
85	67.9	51.4	77.0

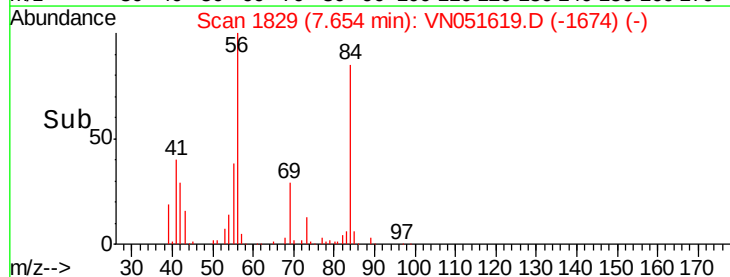
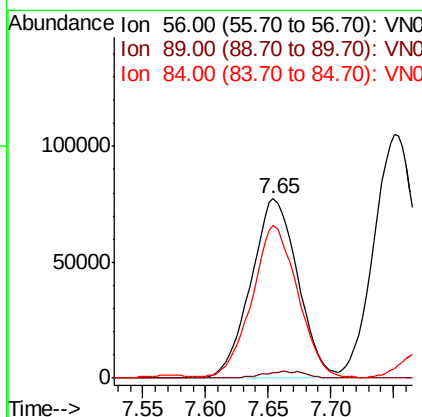
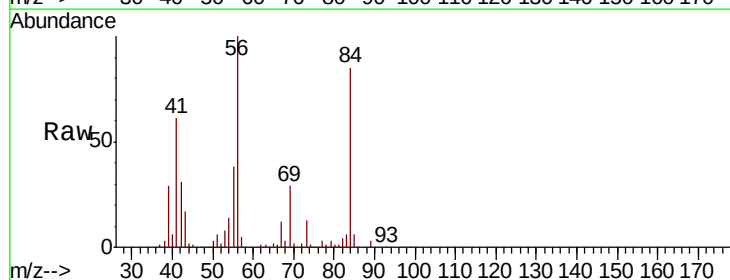
Manual Integrations
APPROVED

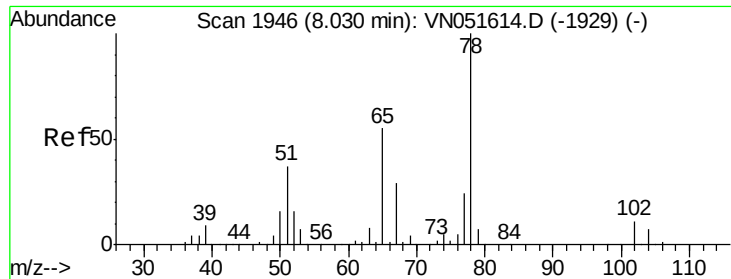
MMDadoda
10/3/2018 5:27:43 PM



#26
Cyclohexane
Concen: 18.263 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion	56	Resp	201756
Ion Ratio	100	Lower	Upper
56	100		
89	2.4	2.2	3.2
84	83.4	65.0	97.4





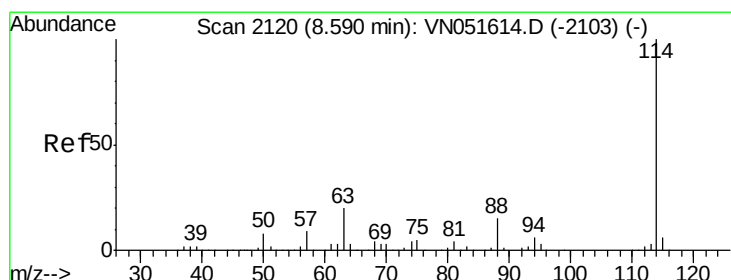
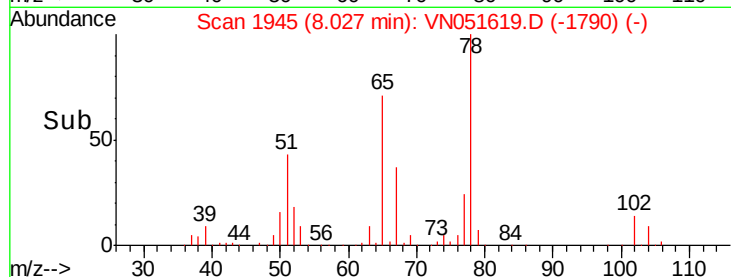
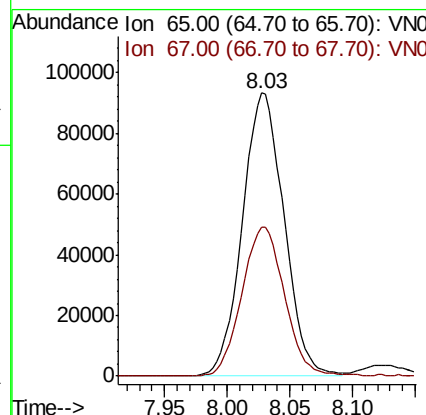
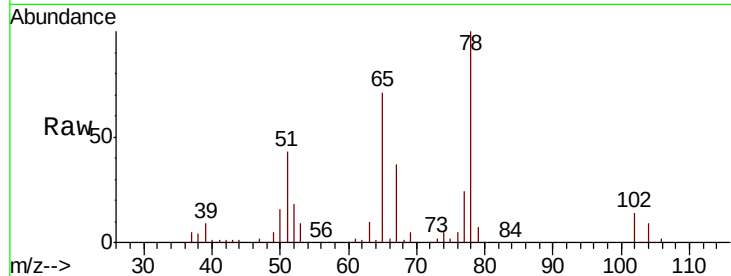
#27
 1,2-Dichloroethane-d4
 Concen: 18.263 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Instrument :
 MSVOA_N
 ClientSampled :
 VN0928WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	43.1	64.7

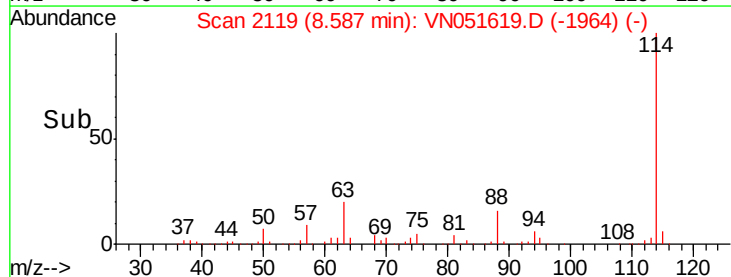
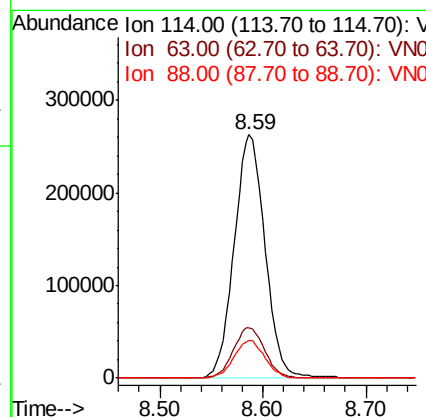
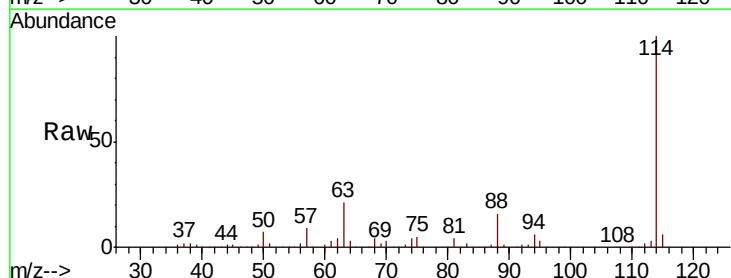
Manual Integrations
 APPROVED

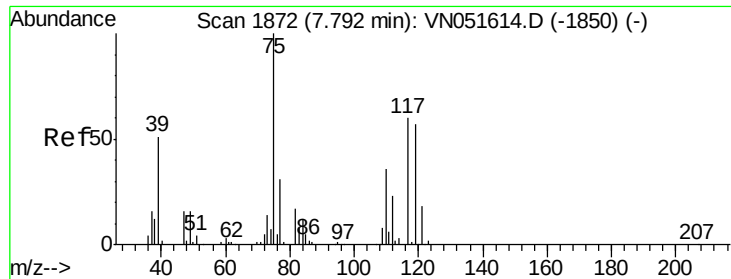
MMDadoda
 10/3/2018 5:27:43 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	16.4	24.6
88	15.5	12.6	18.8





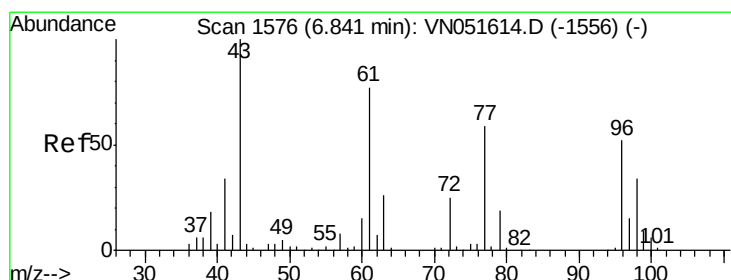
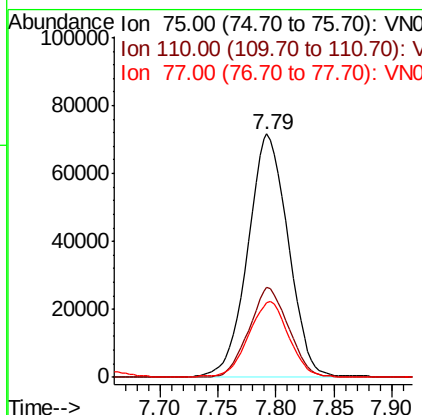
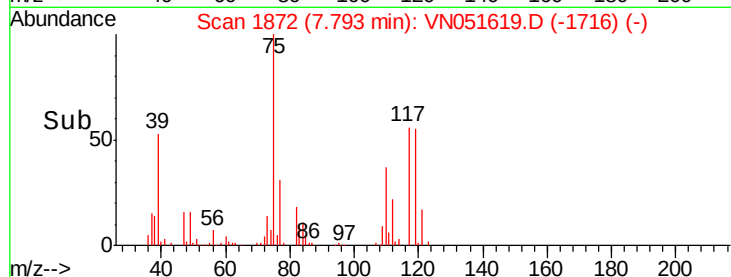
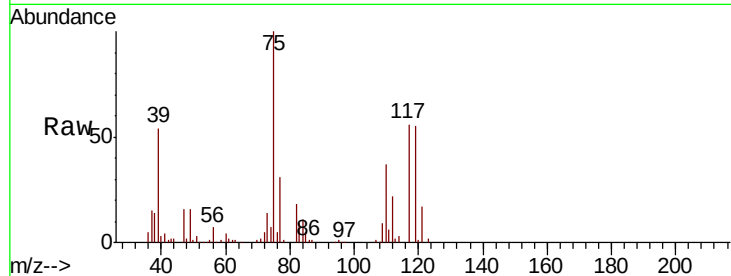
#29
 1,1-Dichloropropene
 Concen: 18.536 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.3	0.0	71.0
77	31.4	0.0	62.4

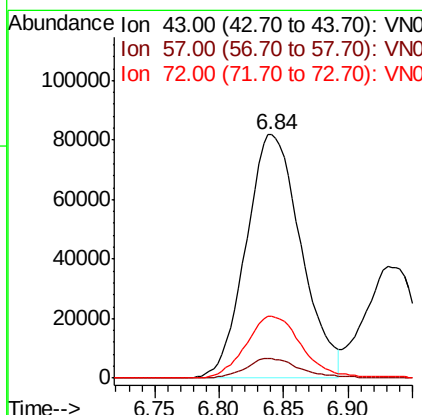
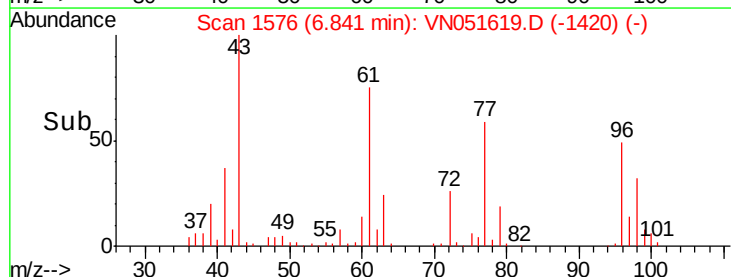
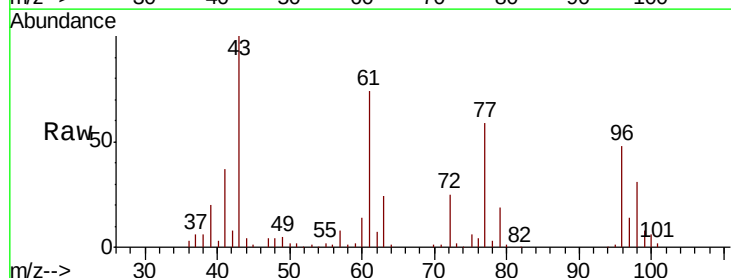
Manual Integrations
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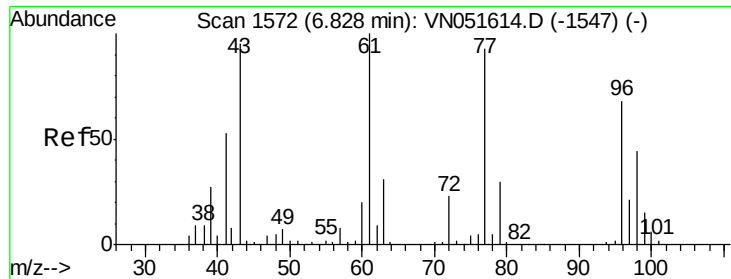
MMDadoda
 10/3/2018 5:27:43 PM



#30
 2-Butanone
 Concen: 95.012 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.0	6.6	10.0
72	25.9	20.8	31.2





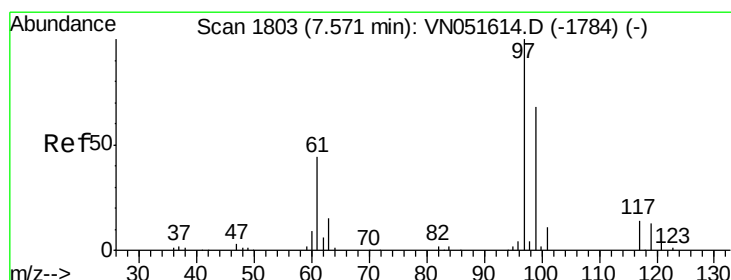
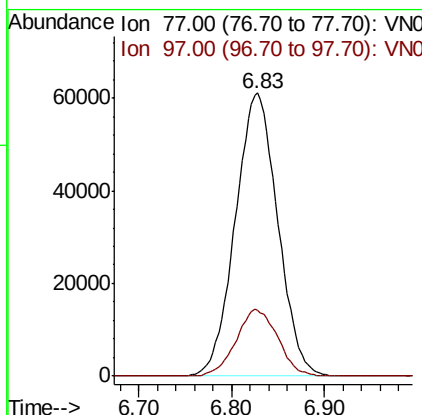
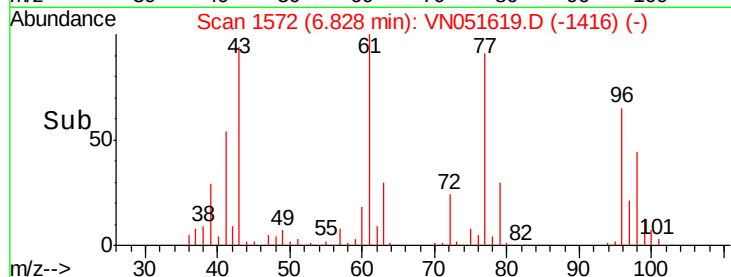
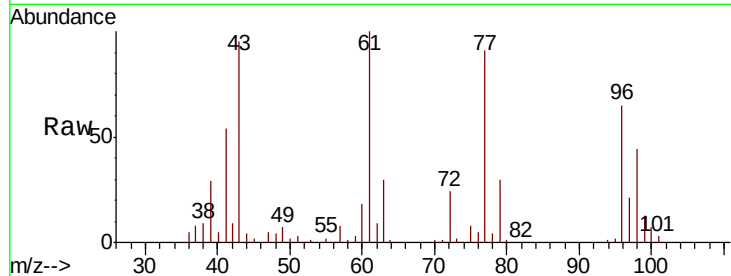
#31
 2,2-Dichloropropane
 Concen: 19.224 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Tot Ion: 77 Resp: 193838
 Ion Ratio Lower Upper
 77 100
 97 23.2 18.6 28.0

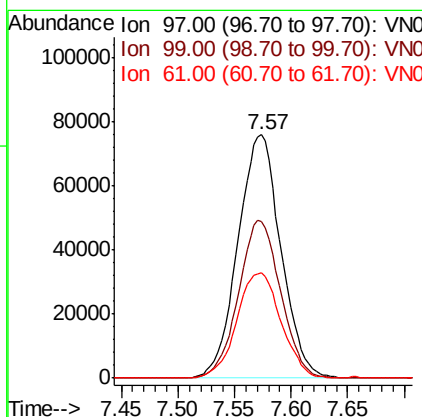
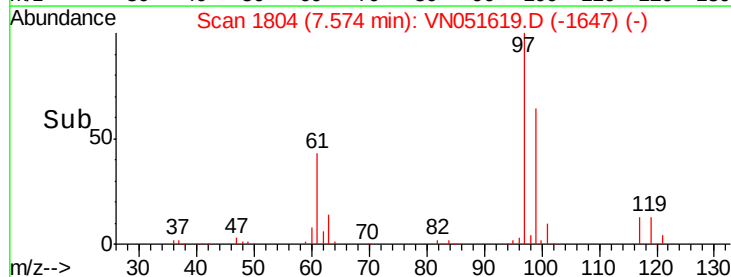
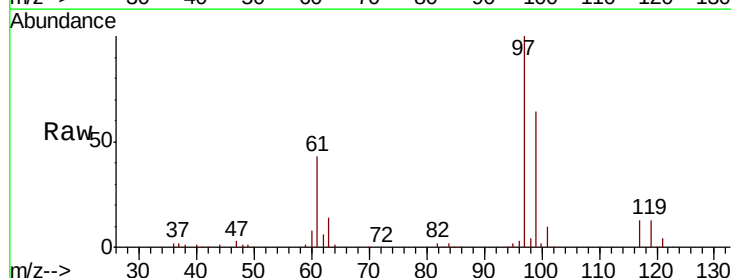
Manual Integrations
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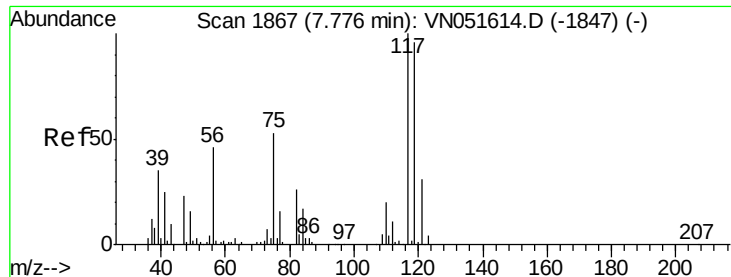
MMDadoda
 10/3/2018 5:27:43 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.094 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion: 97 Resp: 200429
 Ion Ratio Lower Upper
 97 100
 99 63.7 52.2 78.4
 61 44.6 36.2 54.4





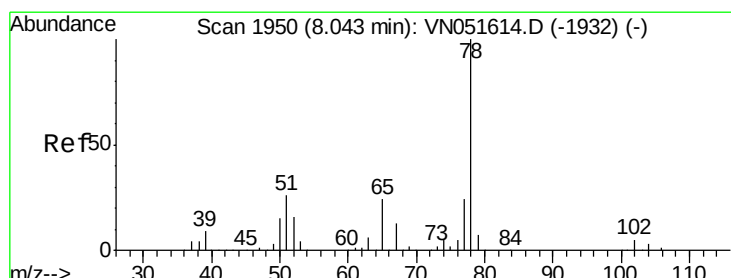
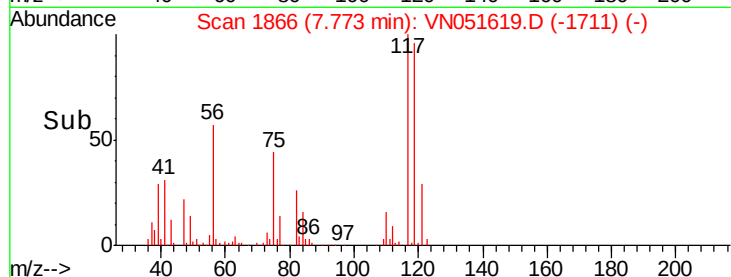
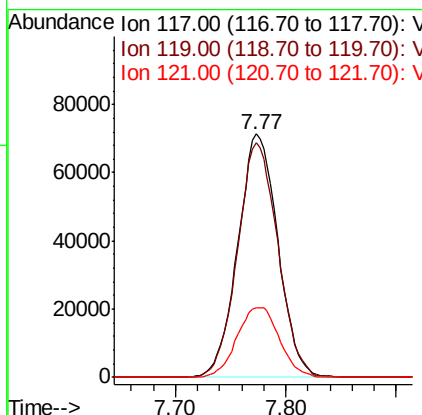
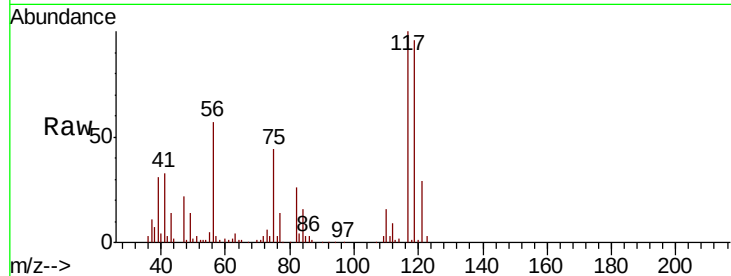
#33
Carbon Tetrachloride
Concen: 19.025 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.5	114.7
121	28.8	25.0	37.6

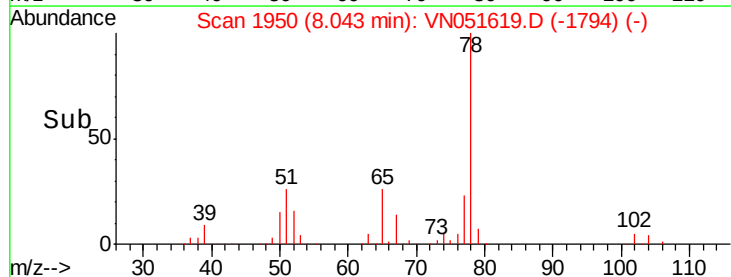
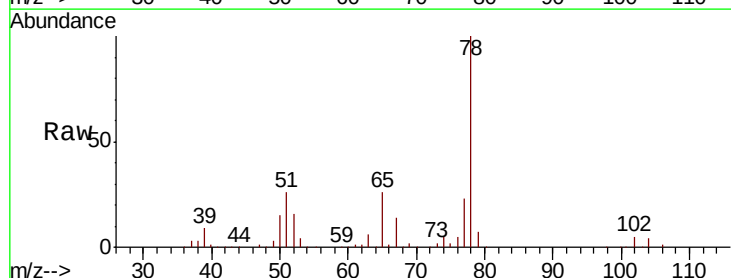
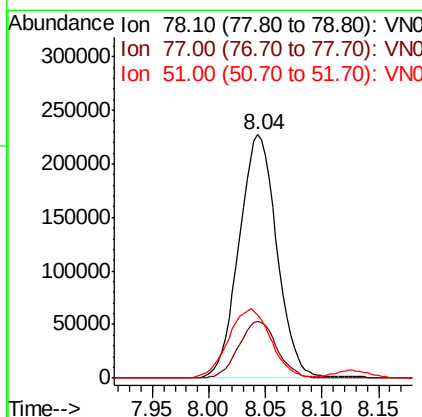
Manual Integrations
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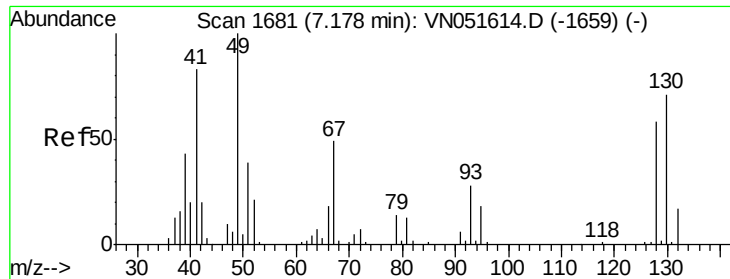
MMDadoda
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#34
Benzene
Concen: 19.090 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.3	28.9
51	25.9	20.8	31.2





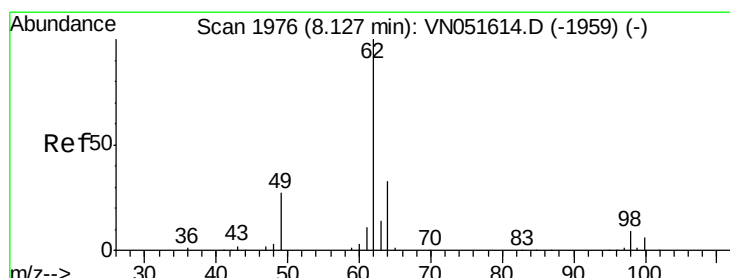
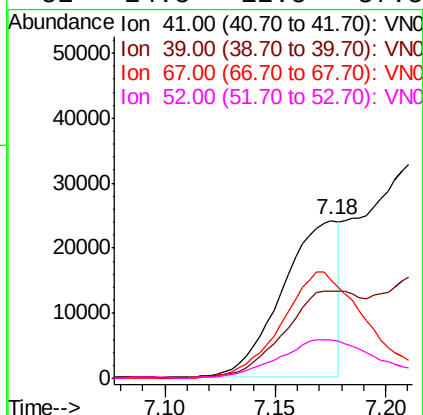
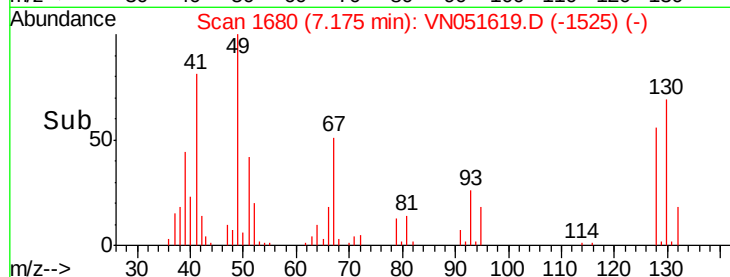
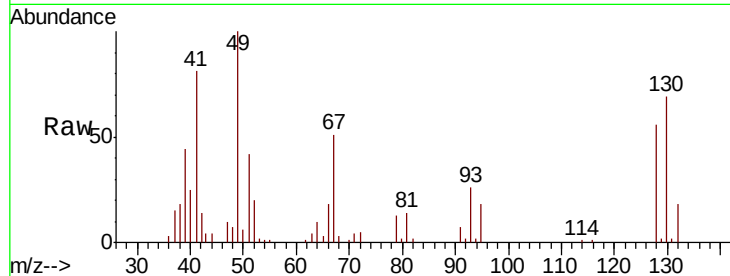
#35
Methacrylonitrile
Concen: 14.948 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Instrument :
MSVOA_N
ClientSampled :
VN0928WBS01

Tot Ion	41	Resp	42732
Ion Ratio	Lower	Upper	
41	100		
39	54.6	25.6	76.8
67	63.4	29.4	88.2
52	24.5	12.5	37.5

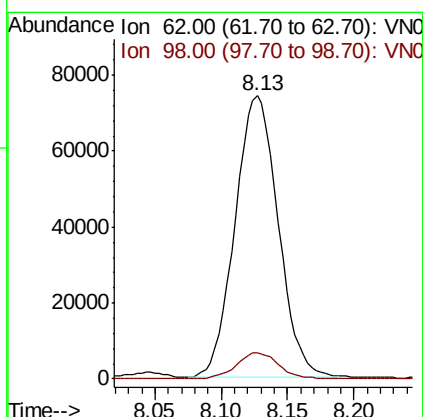
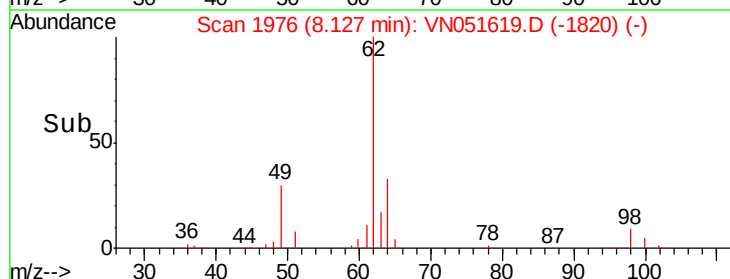
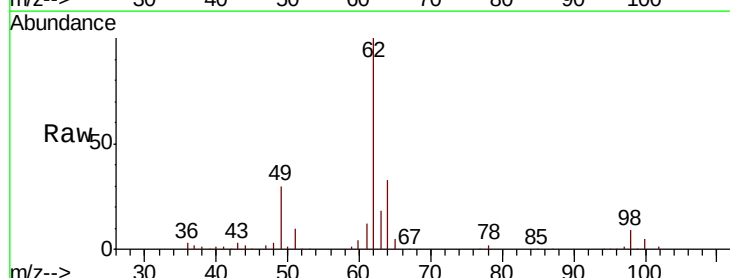
Manual Integrations
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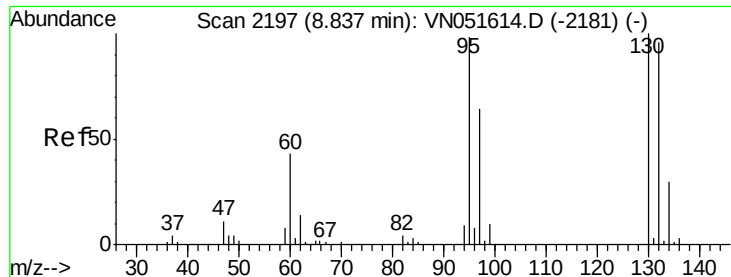
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.062 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion	62	Resp	168411
Ion Ratio	Lower	Upper	
62	100		
98	9.0	7.4	11.2





#37

Trichloroethene

Concen: 18.643 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampled :

VN0928WBS01

Tot Ion:130 Resp: 132672

Ion Ratio Lower Upper

130 100

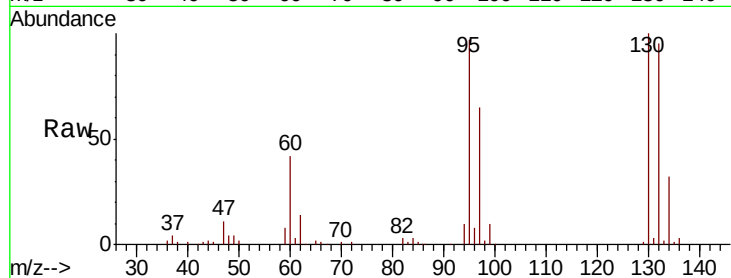
95 96.7 78.4 117.6

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

60000

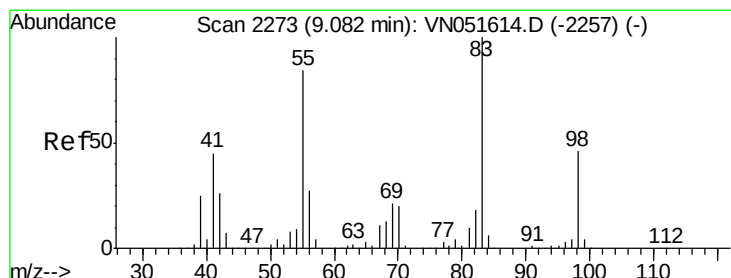
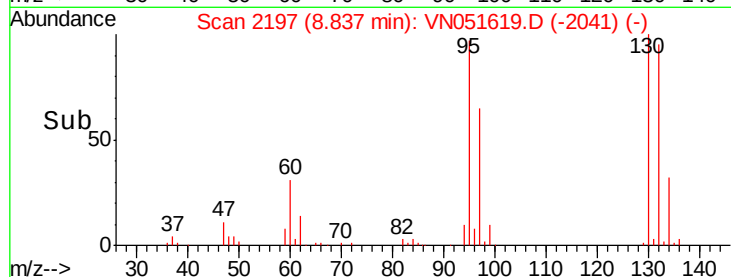
40000

20000

0

Time-->

8.75 8.80 8.85 8.90



#38

Methylcyclohexane

Concen: 18.180 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

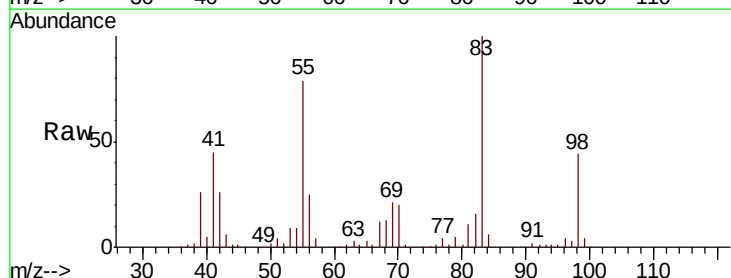
Tgt Ion: 83 Resp: 195991

Ion Ratio Lower Upper

83 100

55 82.3 41.6 124.9

98 44.2 23.1 69.2



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

120000

100000

80000

60000

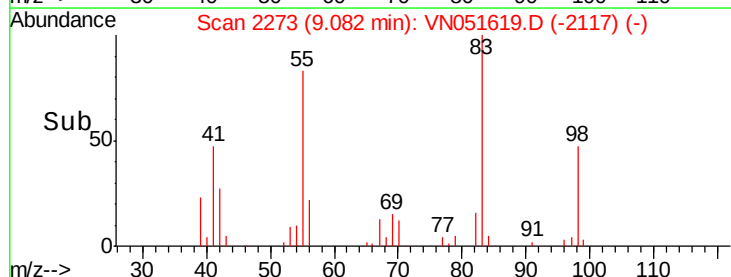
40000

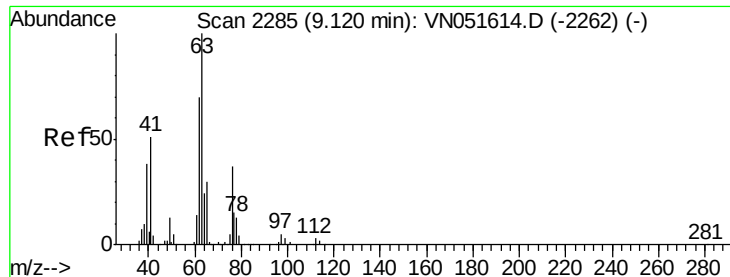
20000

0

Time-->

9.00 9.05 9.10 9.15





#39

1,2-Dichloropropane

Concen: 19.206 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion: 63 Resp: 145868

Ion Ratio Lower Upper

63 100

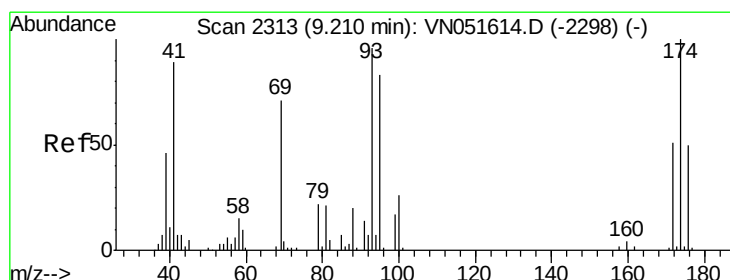
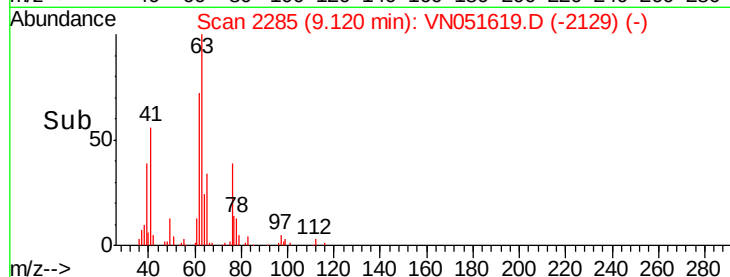
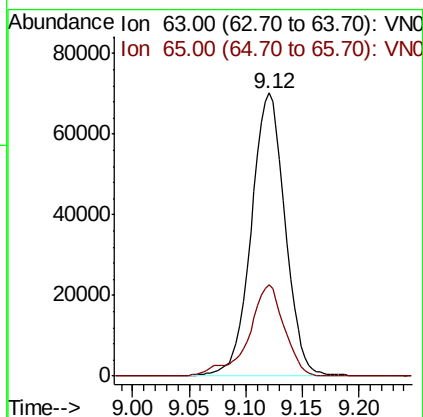
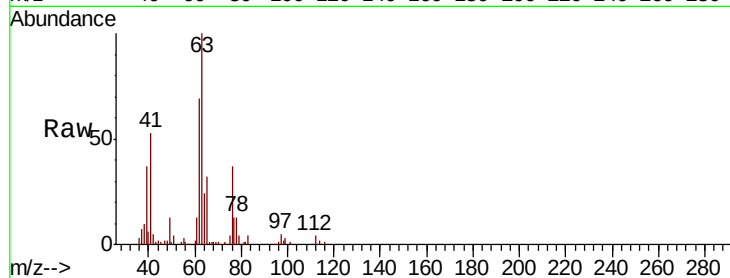
65 32.1 24.4 36.6

Manual Integrations

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#40

Dibromomethane

Concen: 19.755 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

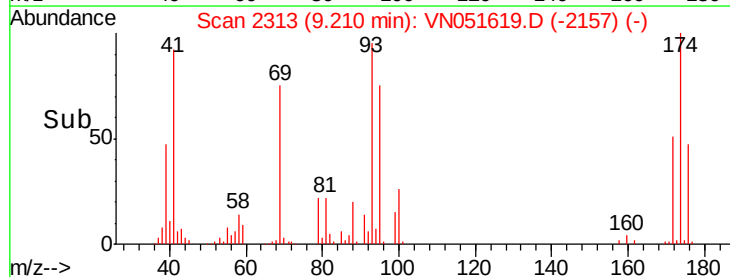
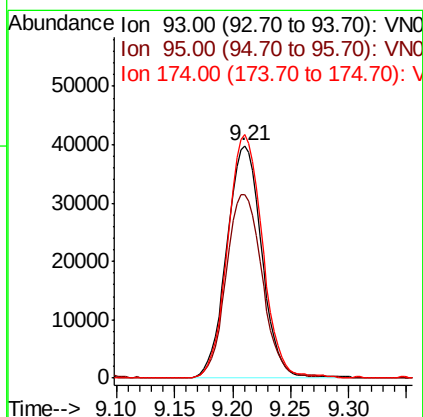
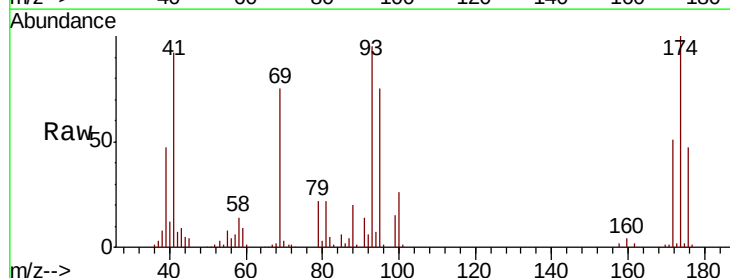
Tgt Ion: 93 Resp: 83348

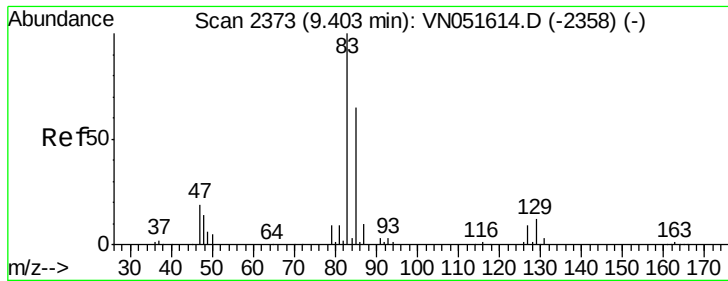
Ion Ratio Lower Upper

93 100

95 81.1 0.0 171.0

174 103.7 0.0 212.0





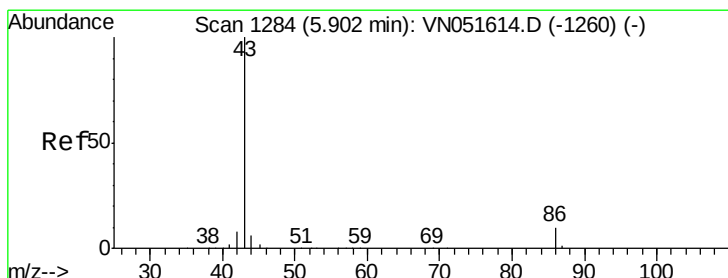
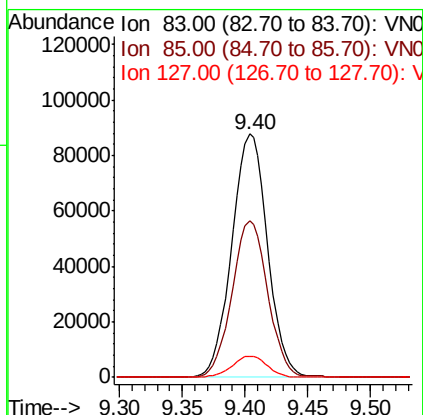
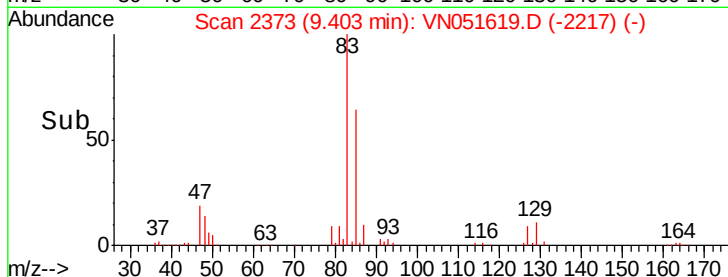
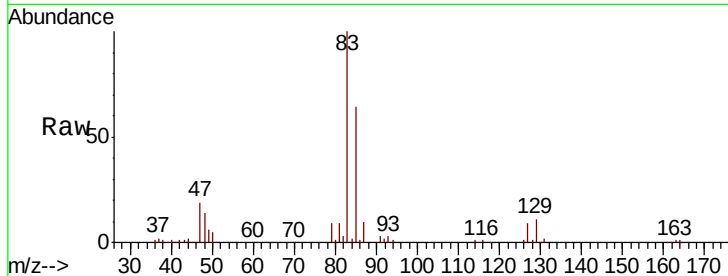
#41
 Bromodichloromethane
 Concen: 18.832 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Tot Ion	83	Resp	173435
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	52.1	78.1
127	8.8	7.1	10.7

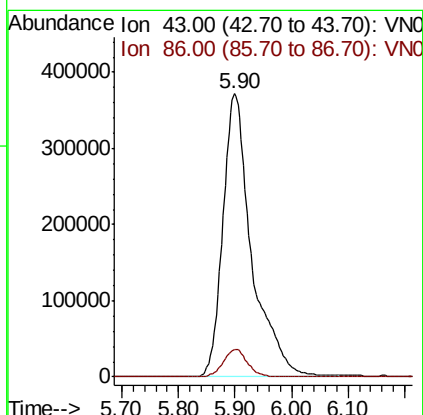
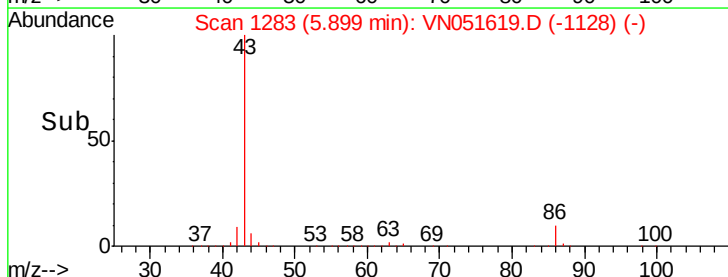
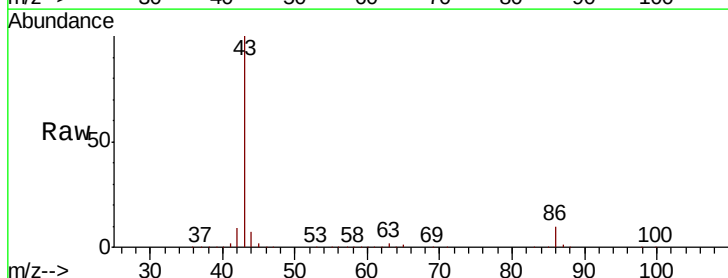
Manual Integrations
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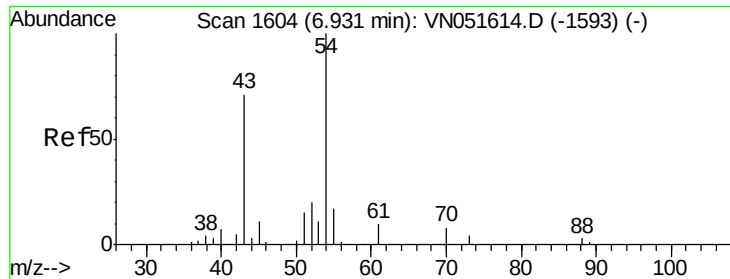
MMDadoda
 10/3/2018 5:27:43 PM



#42
 Vinyl Acetate
 Concen: 93.420 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion	43	Resp	1322433
Ion Ratio	100	Lower	Upper
43	100		
86	8.2	6.6	9.8





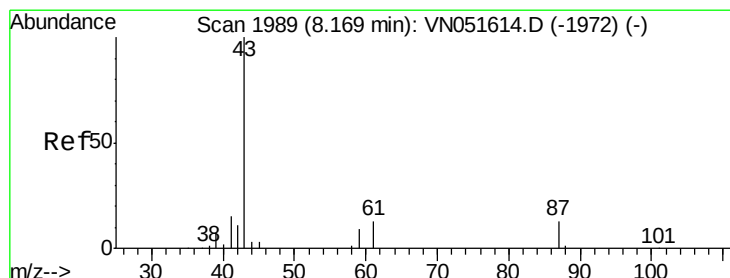
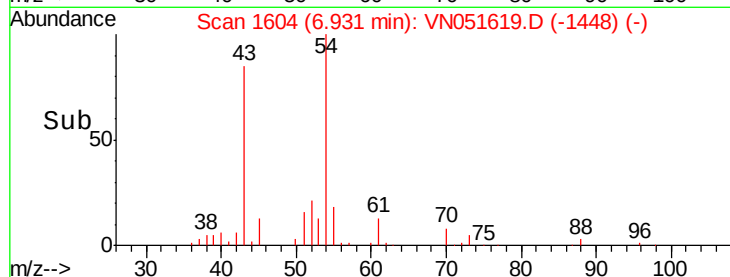
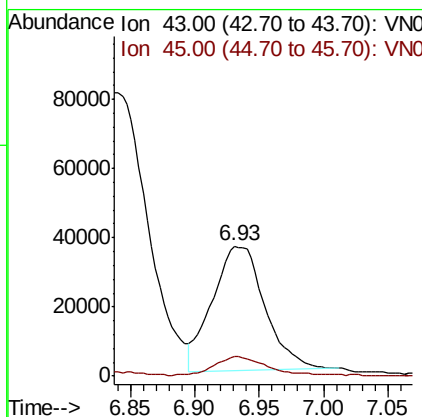
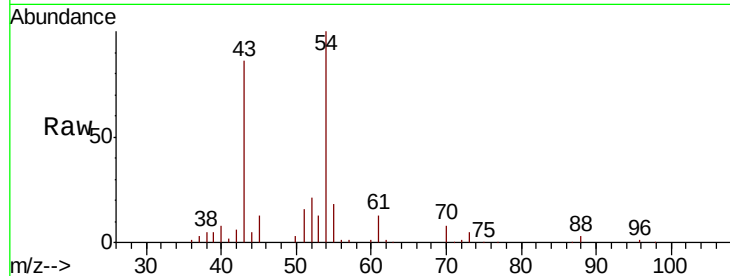
#43
Ethyl Acetate
Concen: 18.973 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	43	45	Ratio	Lower	Upper
102117	100	13.6		10.6	16.0

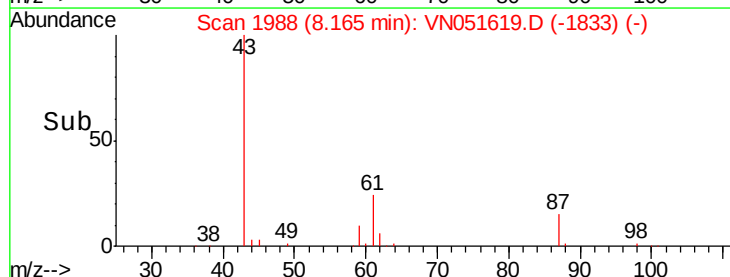
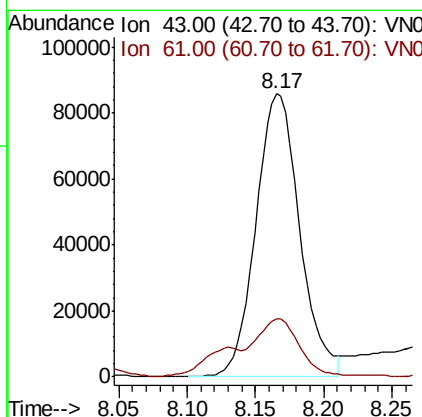
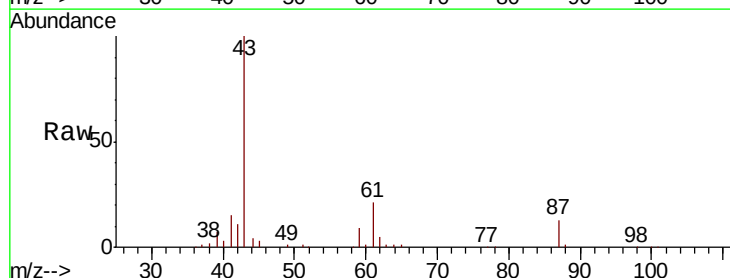
Manual Integrations
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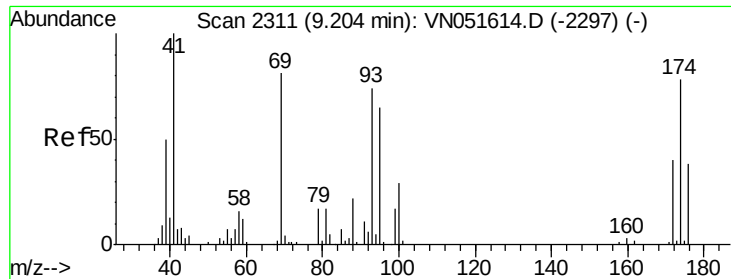
MMDadoda
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#44
Isopropyl Acetate
Concen: 18.184 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion	43	61	Ratio	Lower	Upper
191625	100	18.8		15.4	23.0





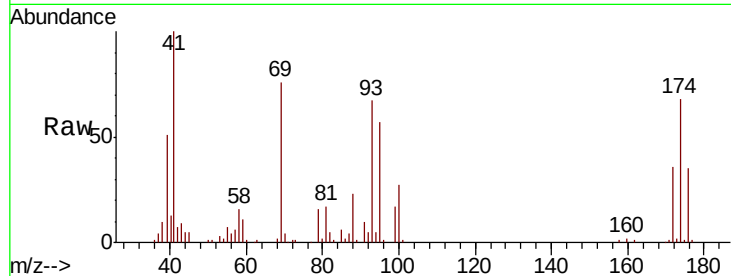
#45
 1,4-Dioxane
 Concen: 397.723 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Instrument :
 MSVOA_N
 ClientSampled :
 VN0928WBS01

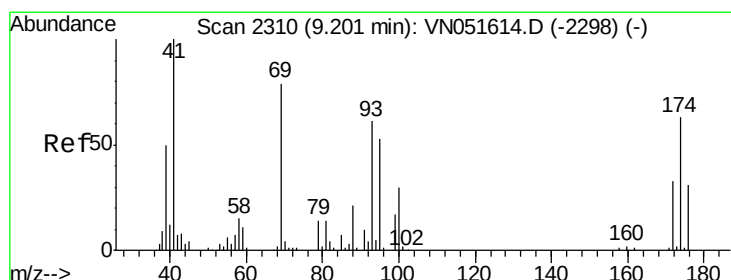
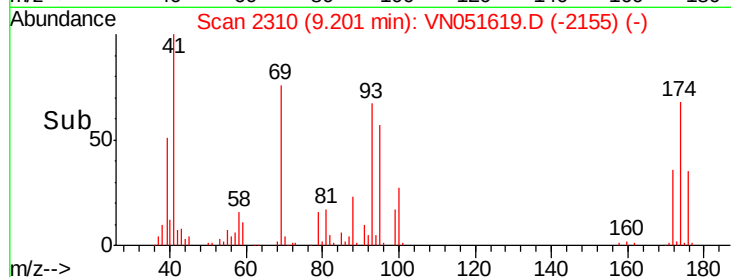
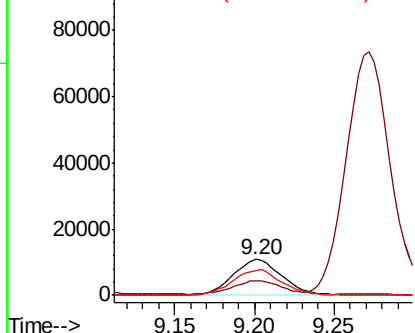
Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	29.0	43.6
58	71.0	59.0	88.6

Manual Integrations
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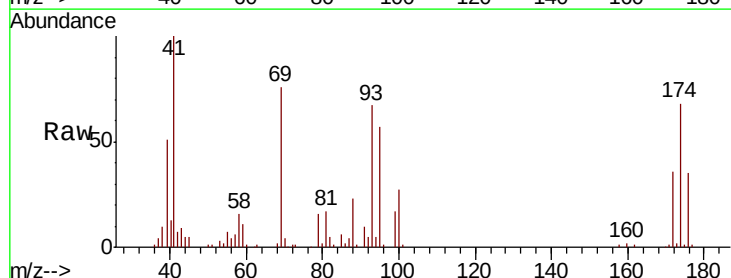


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

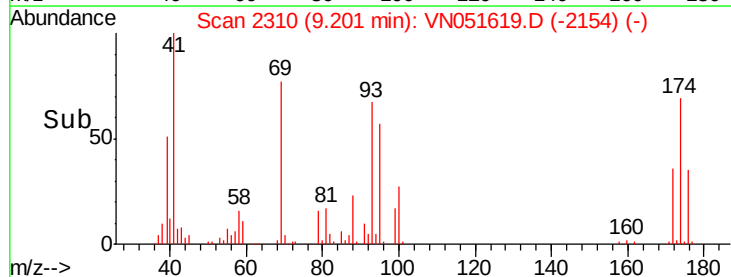
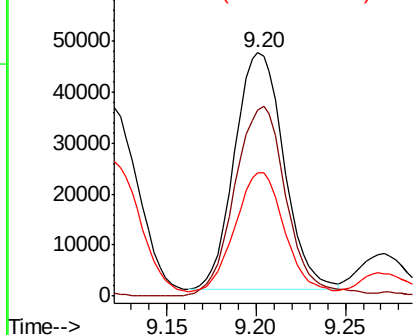


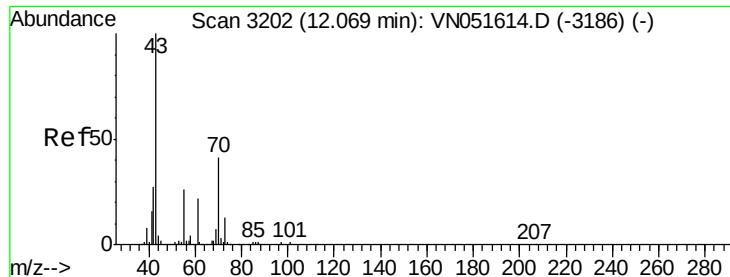
#46
 Methyl methacrylate
 Concen: 18.243 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.0	39.6	118.7
39	50.3	24.9	74.6



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 17.224 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion: 43 Resp: 135812

Ion Ratio Lower Upper

43 100

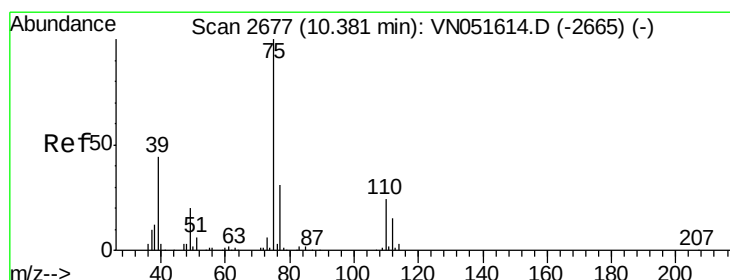
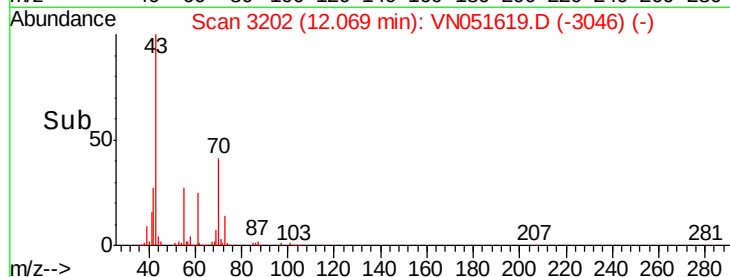
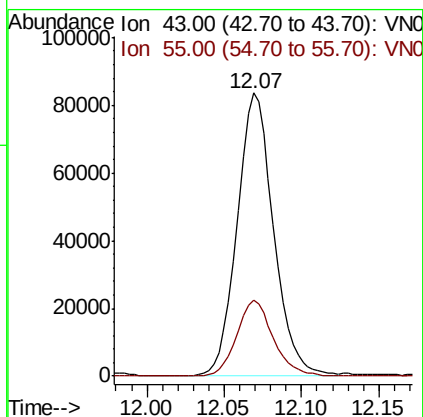
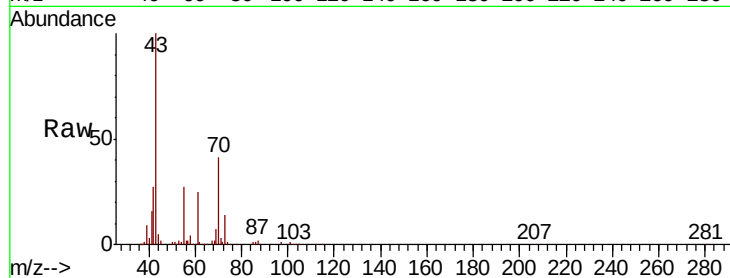
55 27.1 21.5 32.3

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 17.942 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051619.D

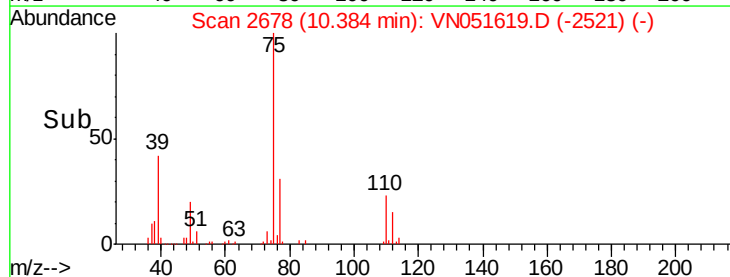
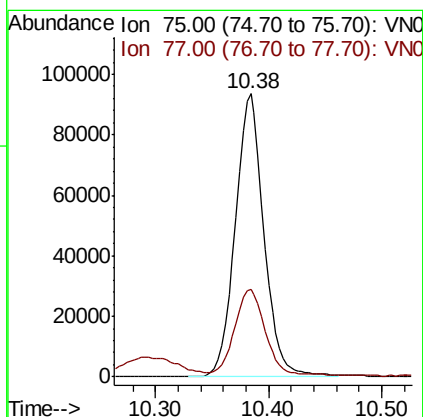
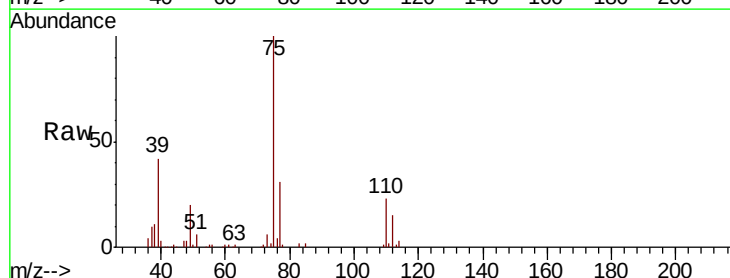
Acq: 28 Sep 2018 17:09

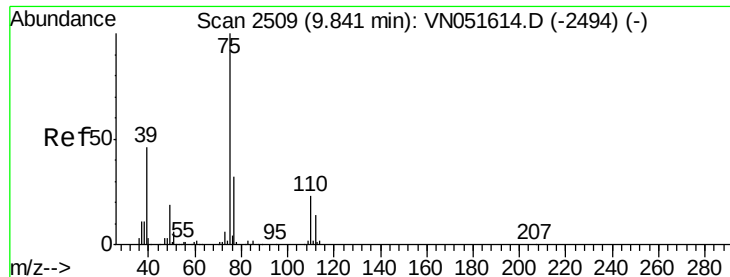
Tgt Ion: 75 Resp: 164915

Ion Ratio Lower Upper

75 100

77 30.5 26.0 39.0





#49

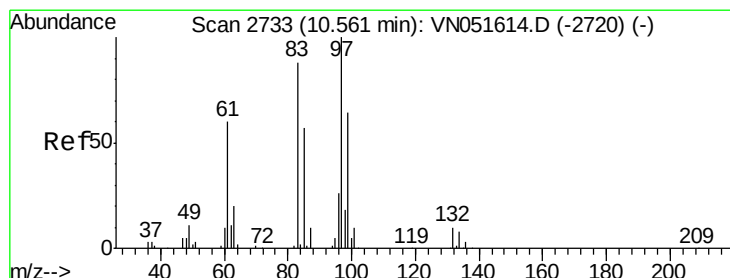
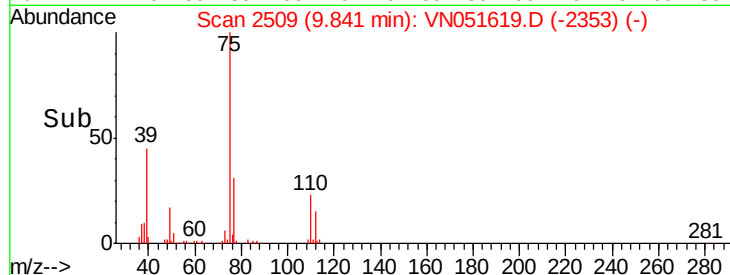
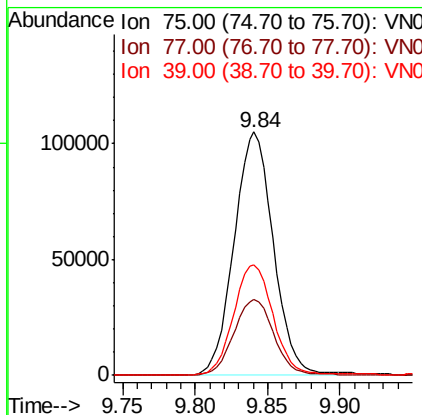
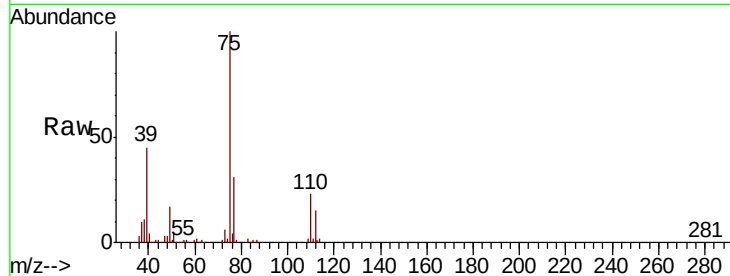
cis-1,3-Dichloropropene
Concen: 18.406 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0
39	45.2	36.6	55.0

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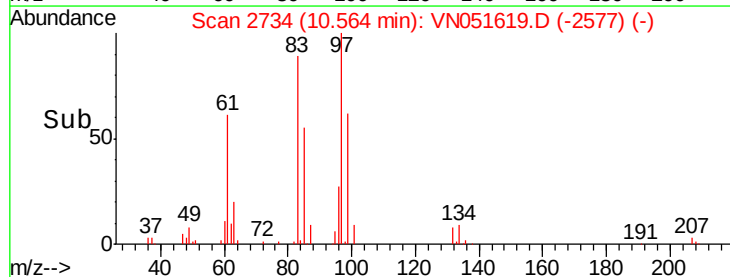
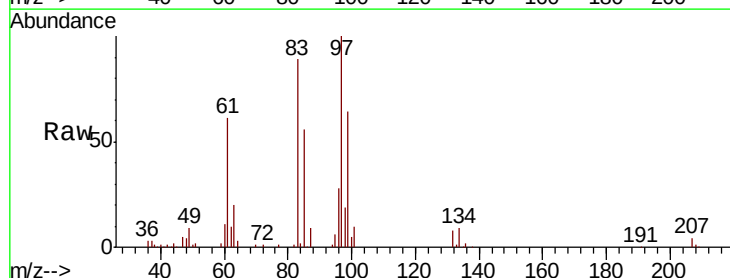
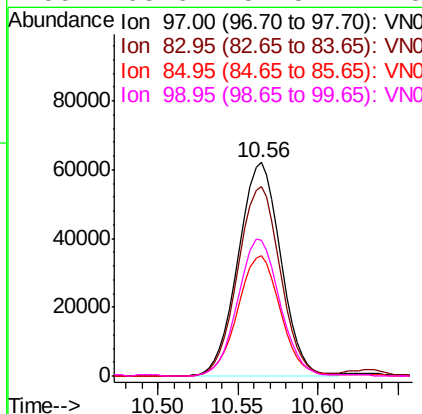
MMDadoda
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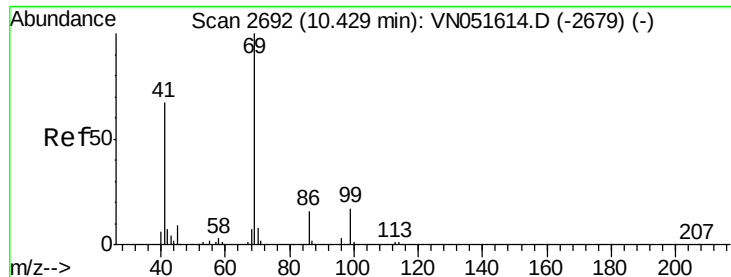


#50

1,1,2-Trichloroethane
Concen: 18.954 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.2	105.2
85	56.2	45.6	68.4
99	63.6	51.5	77.3





#51

Ethyl methacrylate

Concen: 18.016 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

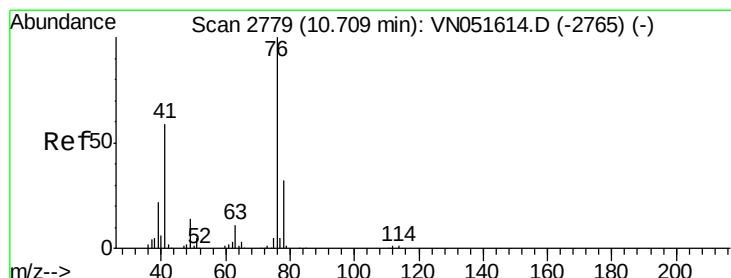
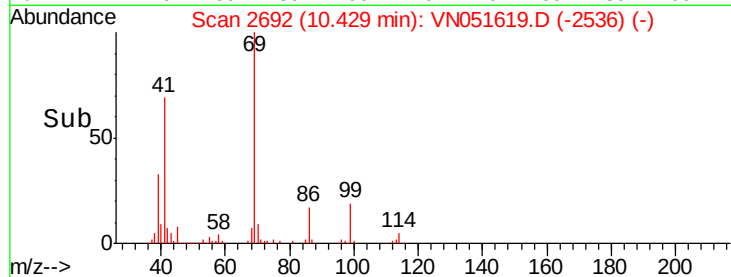
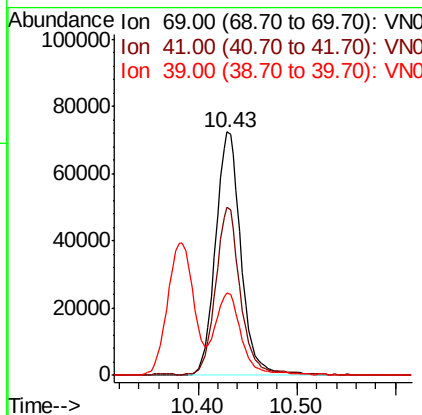
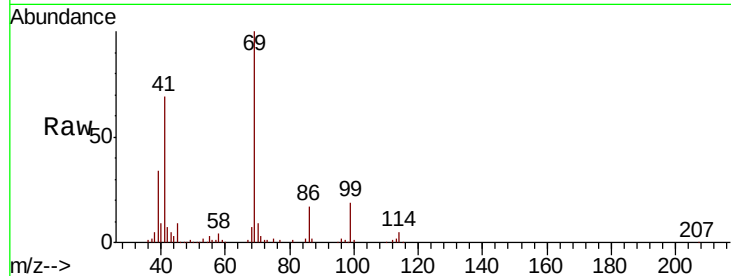
ClientSampled :

VN0928WBS01

Tot Ion:	69	Resp:	130326
Ion	Ratio	Lower	Upper
69	100		
41	68.9	33.3	99.8
39	33.6	17.2	51.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.079 ug/l

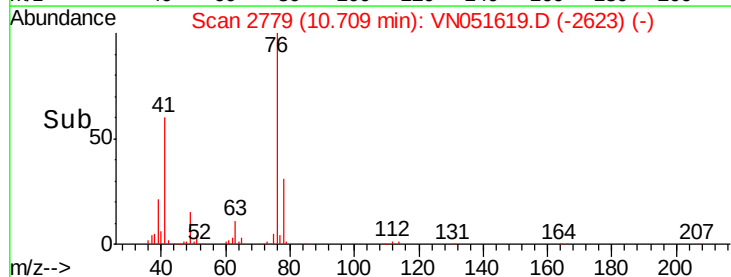
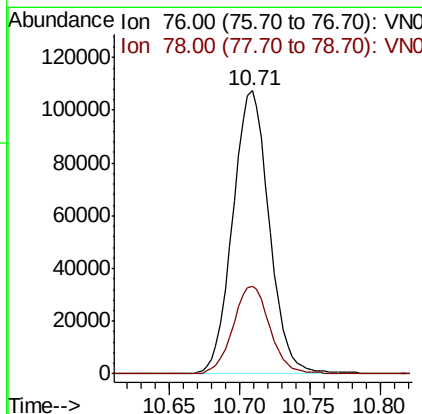
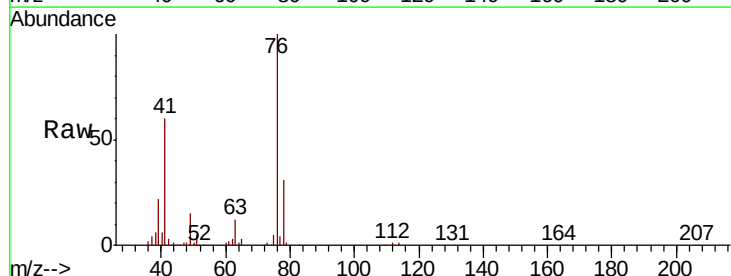
RT: 10.71 min Scan# 2779

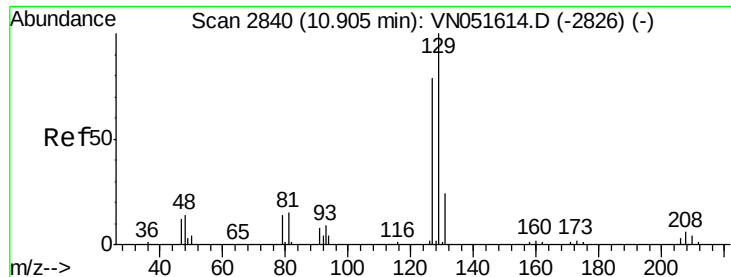
Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Tgt Ion:	76	Resp:	195041
Ion	Ratio	Lower	Upper
76	100		
78	31.3	0.0	63.4





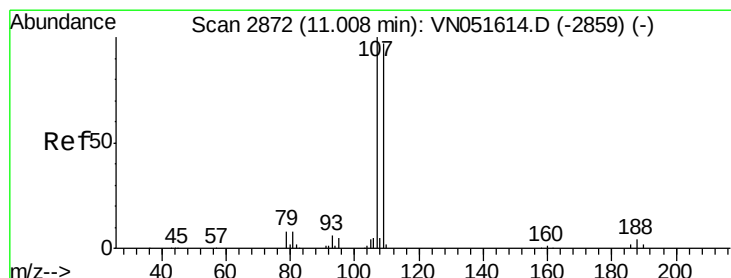
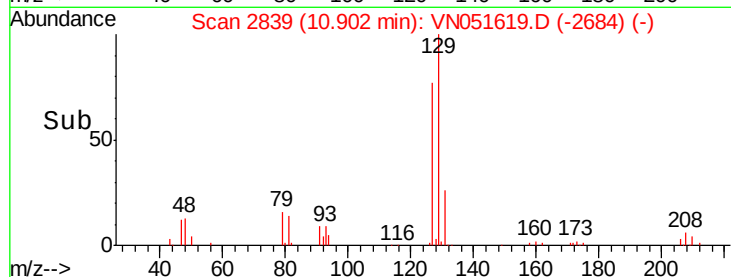
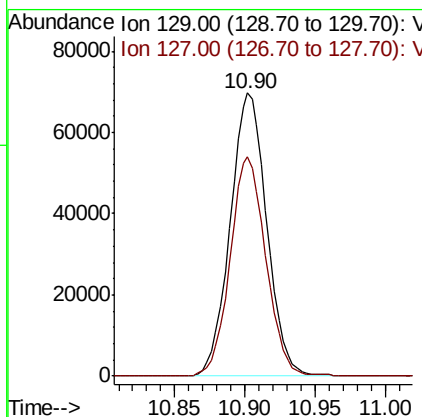
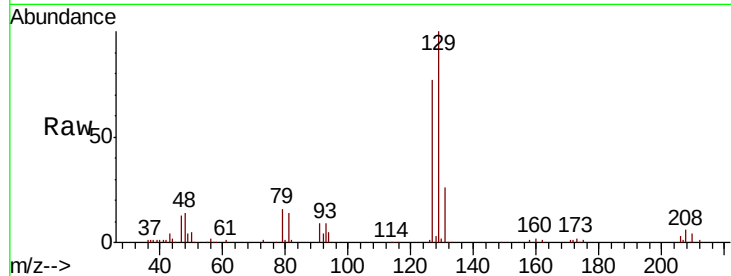
#53
Dibromochloromethane
Concen: 18.591 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	Ratio	Lower	Upper
129	100		
127	75.7	38.9	116.7

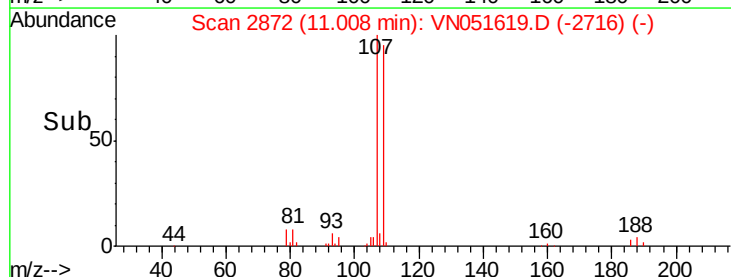
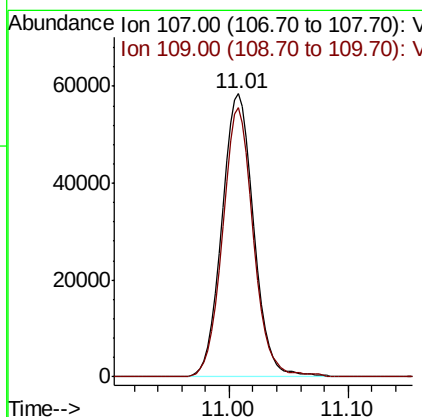
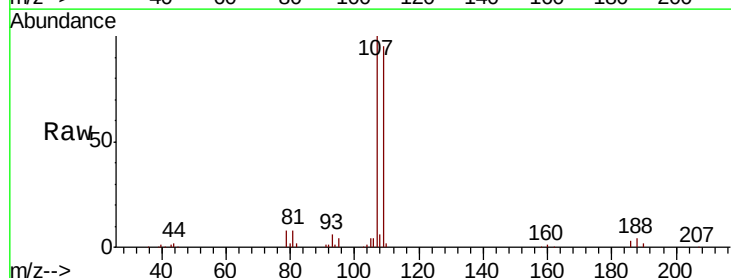
Manual Integrations
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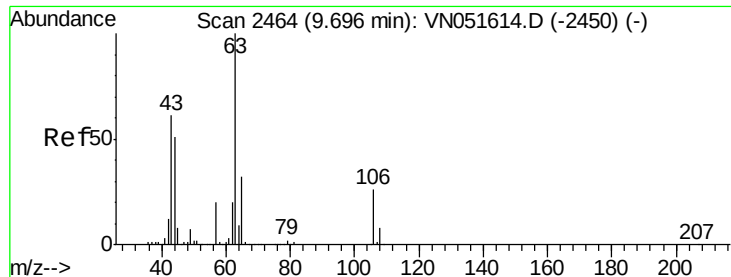
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#54
1,2-Dibromoethane
Concen: 18.932 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.9	76.5	114.7





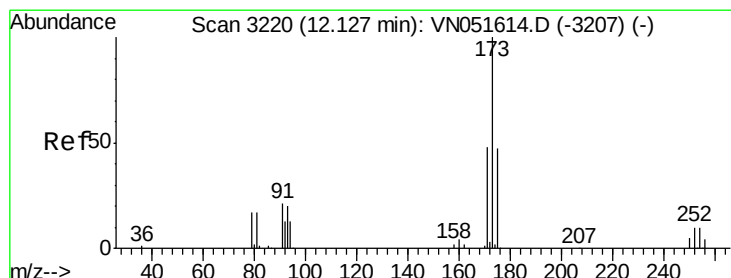
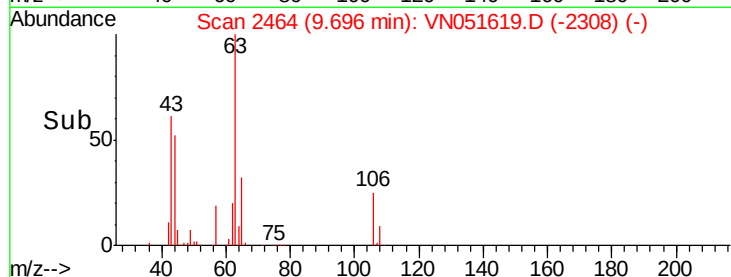
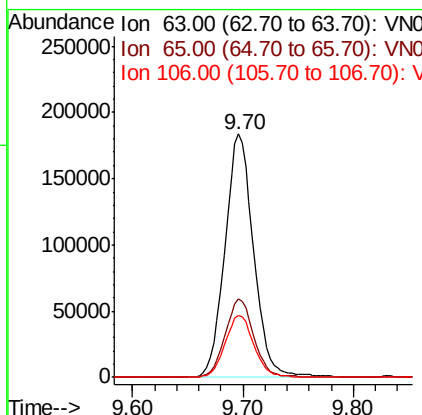
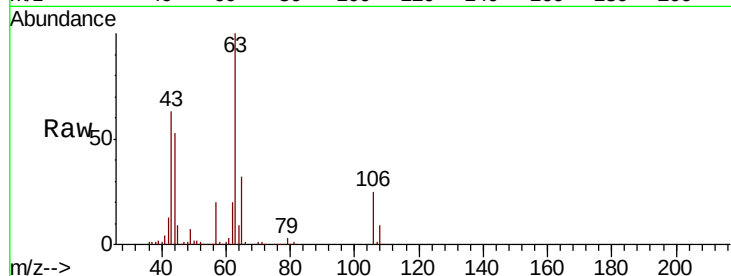
#55
 2-Chloroethyl vinyl ether
 Concen: 92.693 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Tot Ion:	63	Resp:	331436
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.8	38.6
106	25.5	20.4	30.6

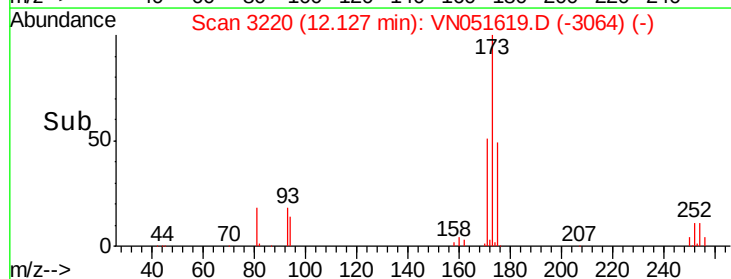
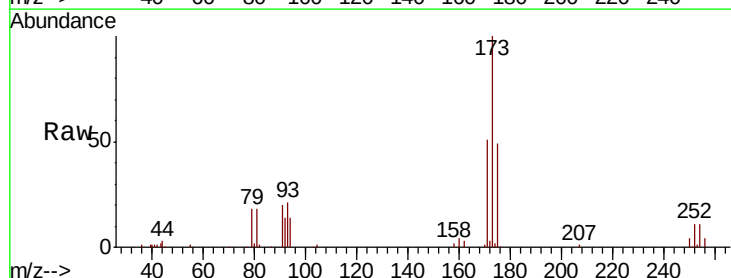
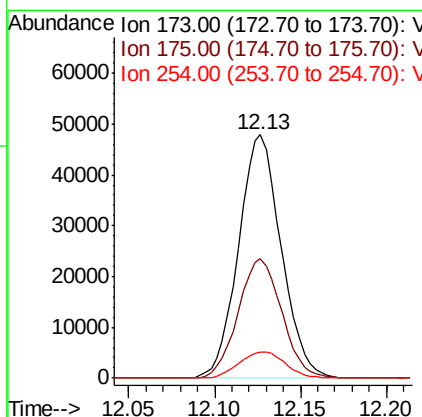
Manual Integrations
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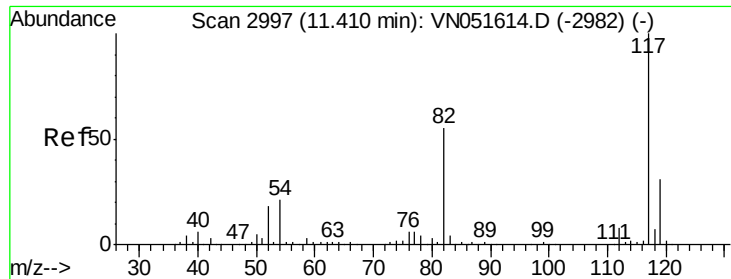
MMDadoda
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#56
 Bromoform
 Concen: 18.269 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion:	173	Resp:	82321
Ion	Ratio	Lower	Upper
173	100		
175	50.1	39.0	58.4
254	11.6	8.7	13.1





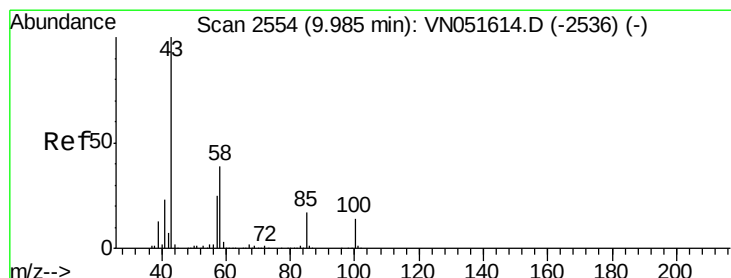
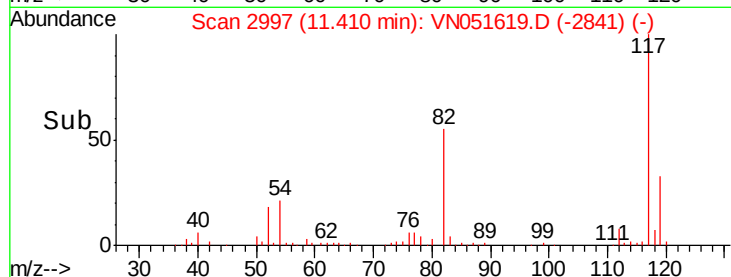
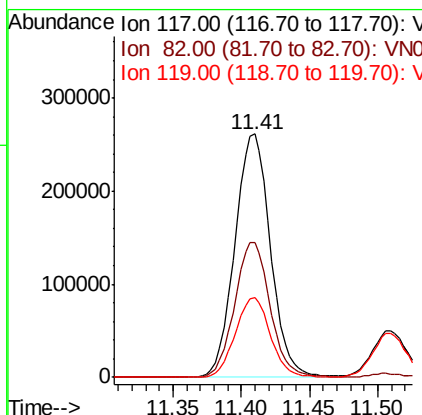
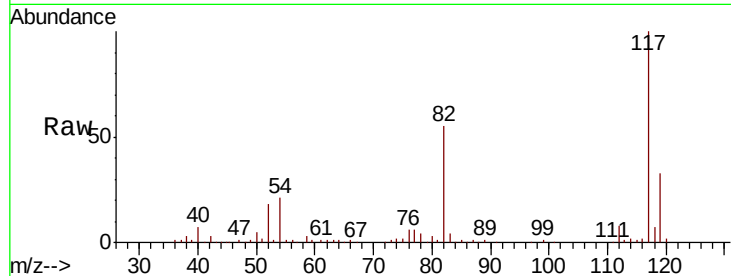
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Instrument :
MSVOA_N
ClientSampled :
VN0928WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.2	66.2
119	32.2	25.2	37.8

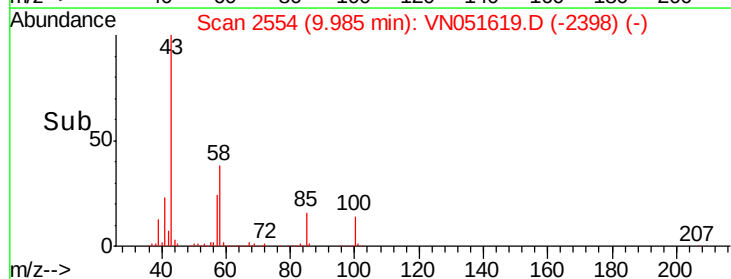
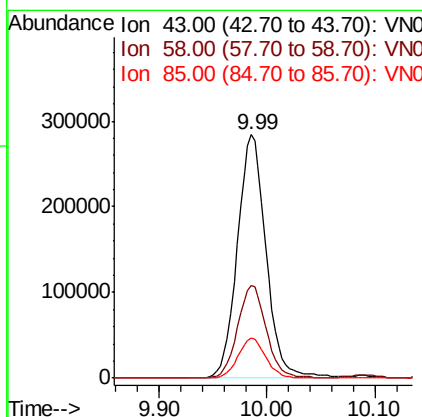
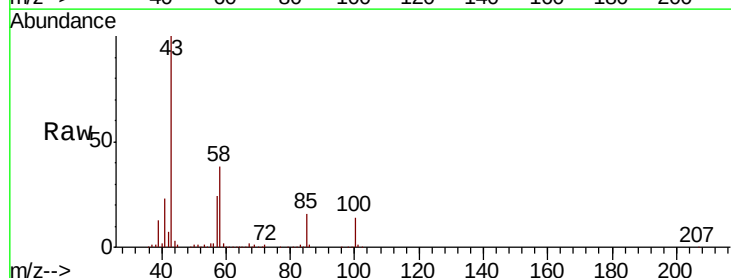
Manual Integrations
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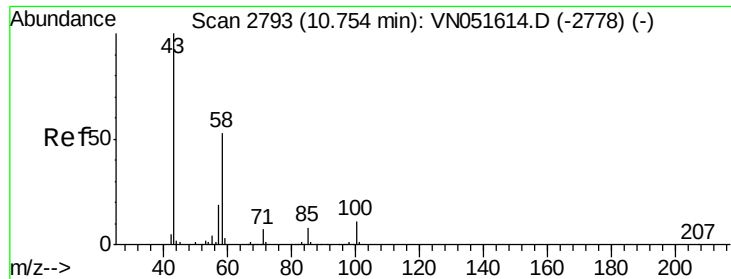
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 97.497 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.1	31.0	46.4
85	15.9	13.4	20.2





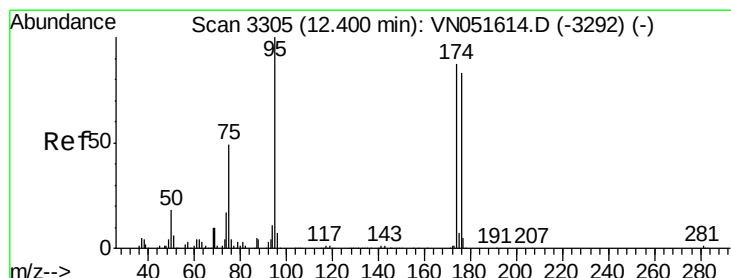
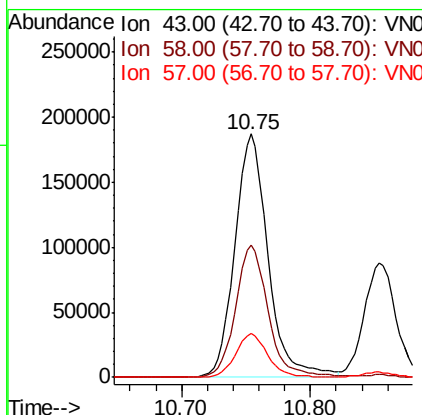
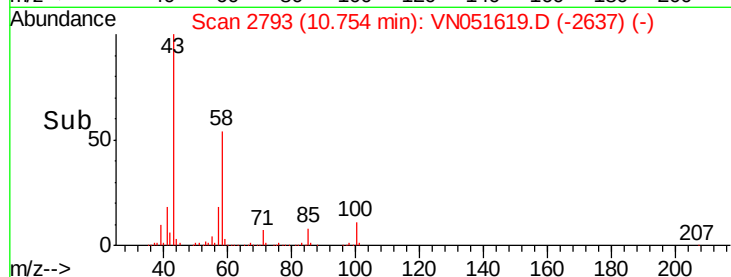
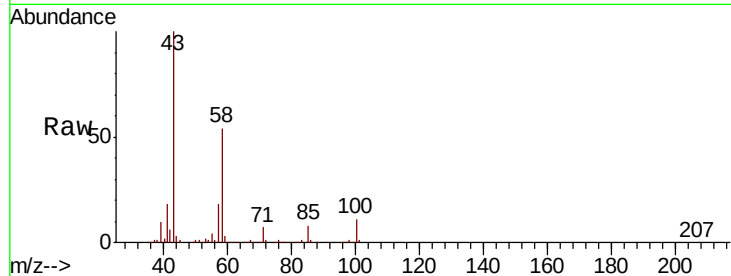
#59
2-Hexanone
Concen: 94.147 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Instrument :
MSVOA_N
ClientSampled :
VN0928WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.6	41.5	62.3
57	17.5	14.2	21.4

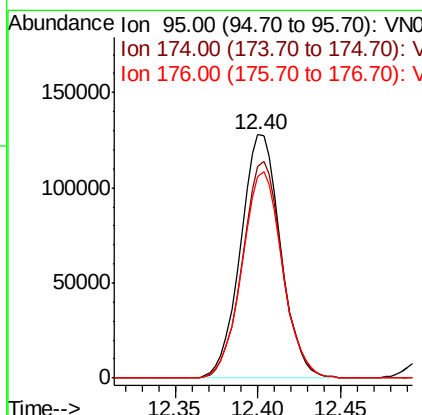
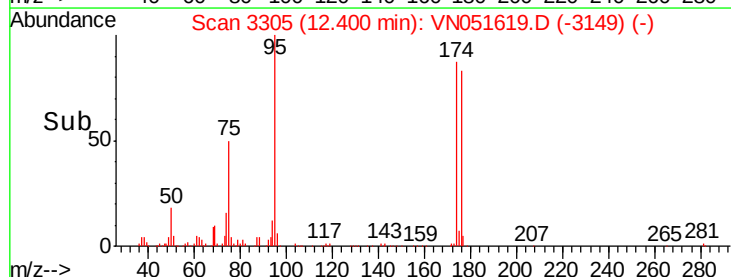
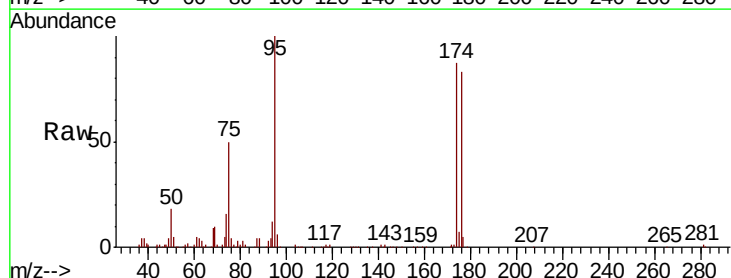
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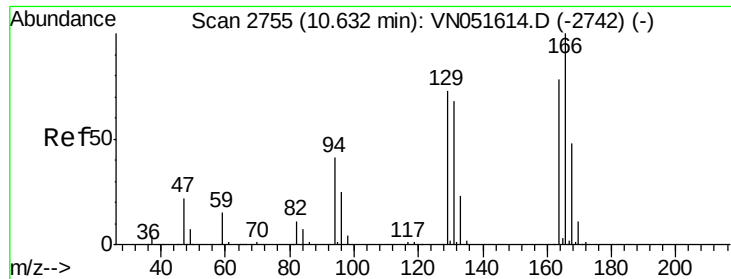
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 94.147 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.4	71.2	106.8
176	85.6	67.8	101.8





#61

Tetrachloroethene

Concen: 19.482 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

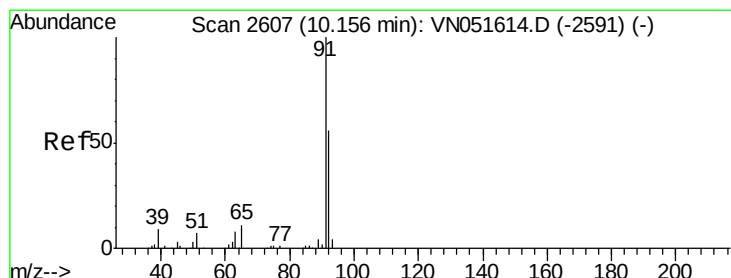
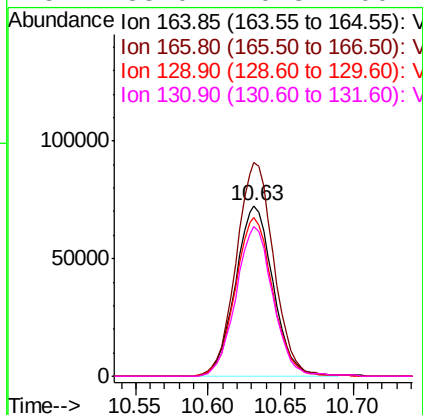
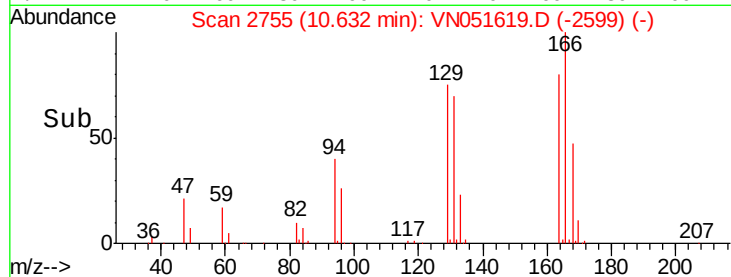
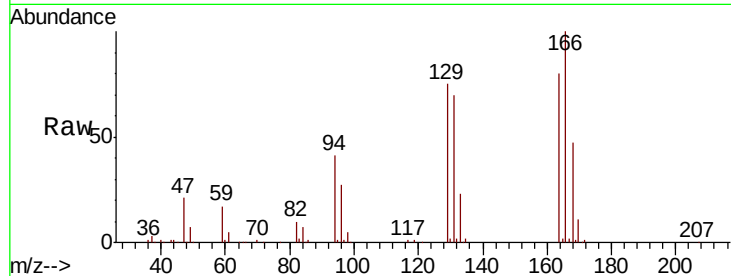
ClientSampled :

VN0928WBS01

Tot Ion	164	Resp	130821
Ion Ratio	Lower	Upper	
164	100		
166	125.4	103.1	154.7
129	93.5	75.3	112.9
131	88.0	70.8	106.2

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#62

Toluene

Concen: 19.032 ug/l

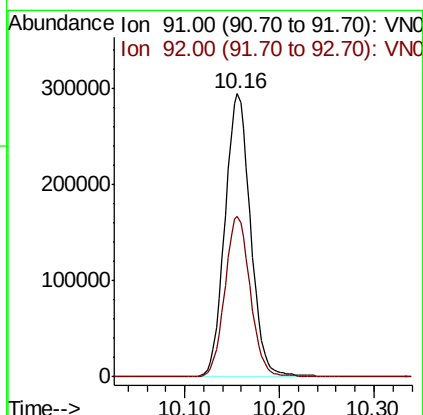
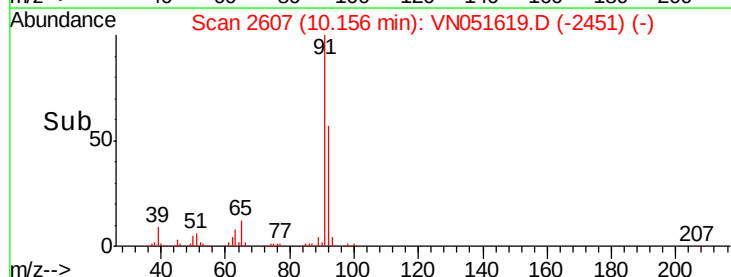
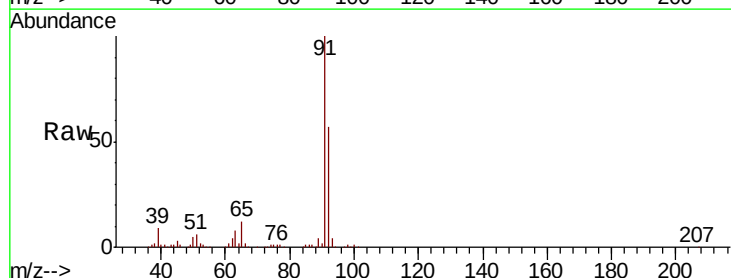
RT: 10.16 min Scan# 2607

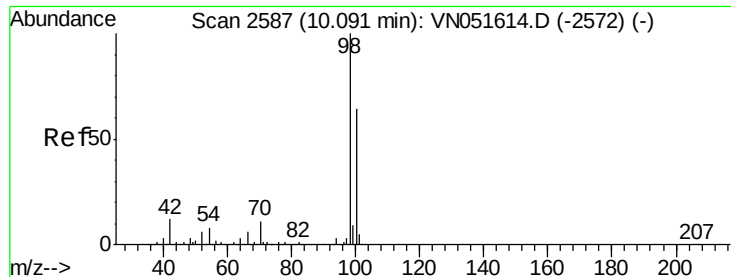
Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Tgt Ion	91	Resp	553507
Ion Ratio	Lower	Upper	
91	100		
92	56.3	45.3	67.9





#63

Toluene-d8

Concen: 19.032 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion: 98 Resp: 683163

Ion Ratio Lower Upper

98 100

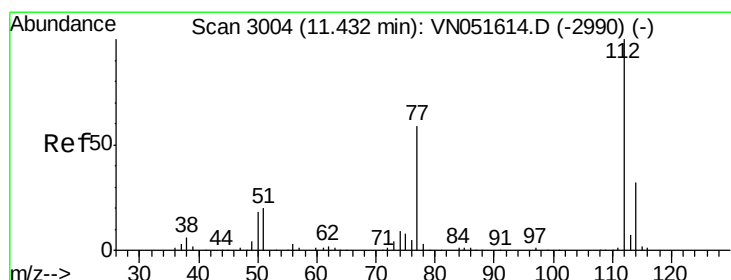
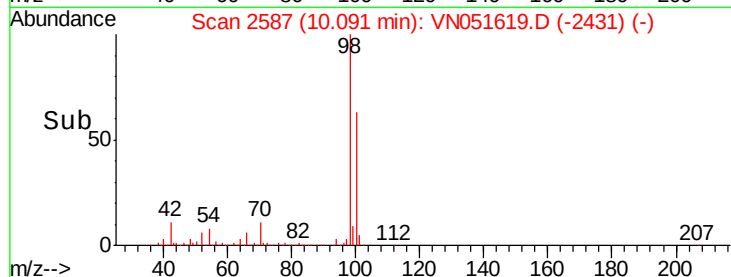
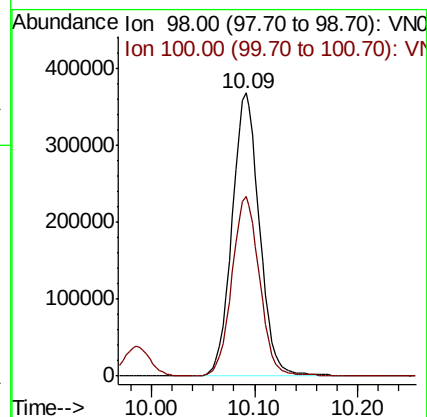
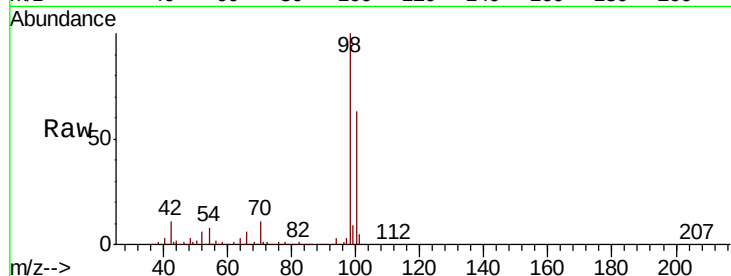
100 63.2 51.4 77.0

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#64

Chlorobenzene

Concen: 18.503 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051619.D

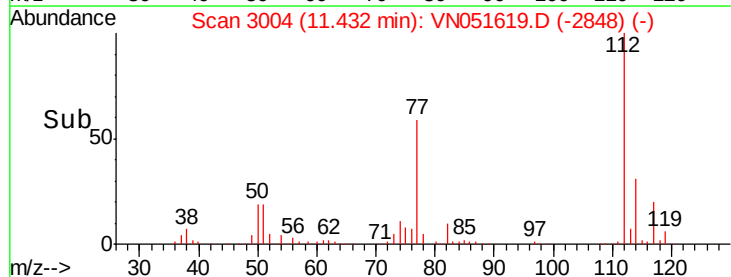
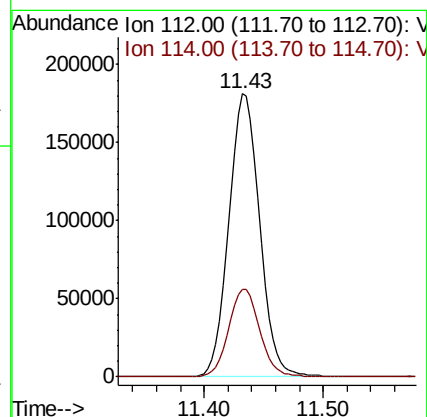
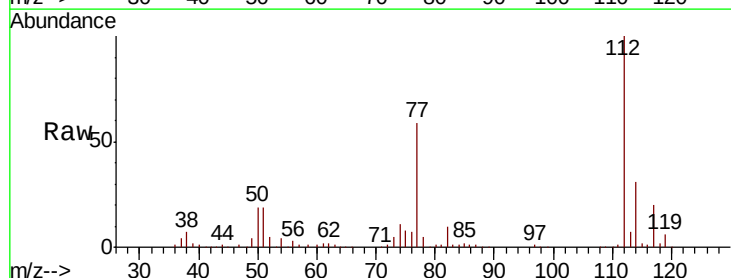
Acq: 28 Sep 2018 17:09

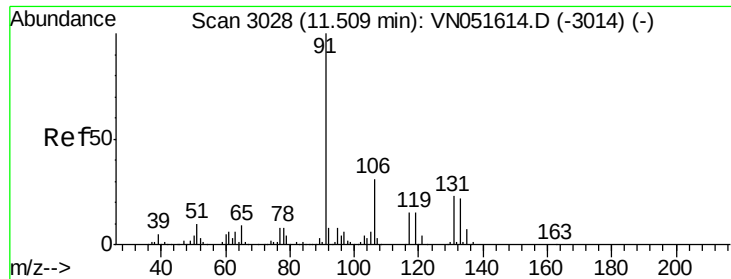
Tgt Ion: 112 Resp: 325352

Ion Ratio Lower Upper

112 100

114 31.1 25.9 38.9





#65

1,1,1,2-Tetrachloroethane

Concen: 18.786 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

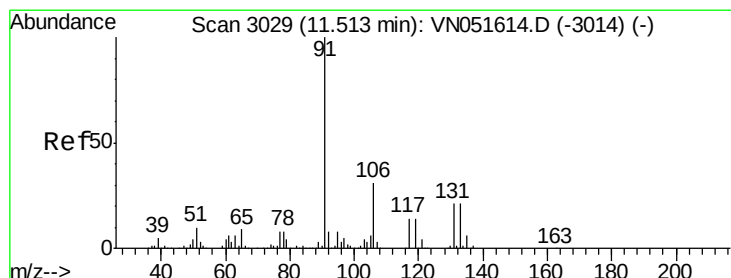
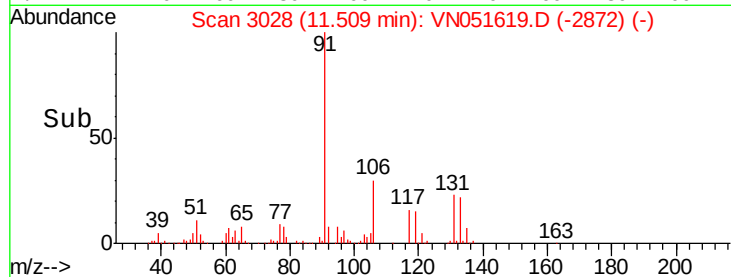
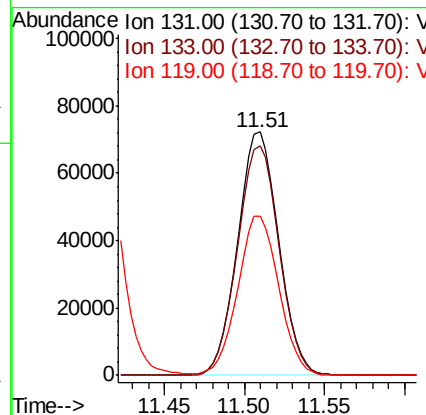
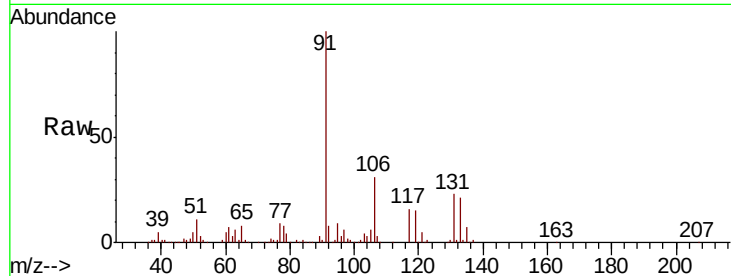
ClientSampleId :

VN0928WBS01

Tot Ion:	131	Resp:	126133
Ion Ratio	Lower	Upper	
131	100		
133	96.0	0.0	193.0
119	65.4	0.0	135.0

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#66

Ethyl Benzene

Concen: 18.157 ug/l

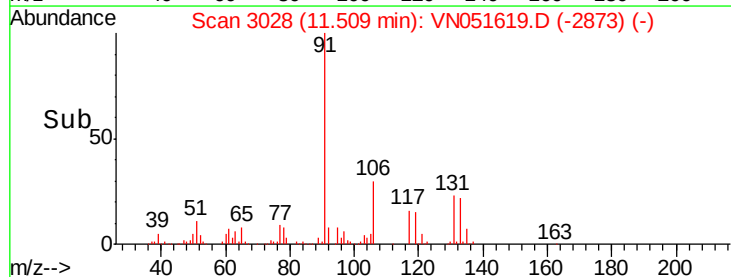
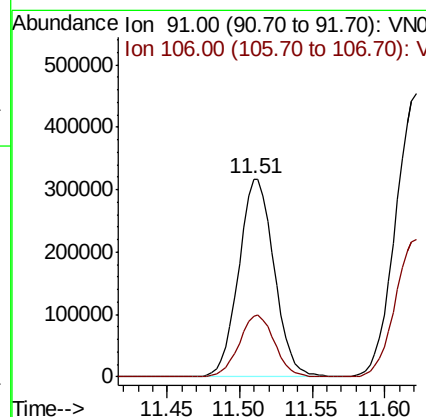
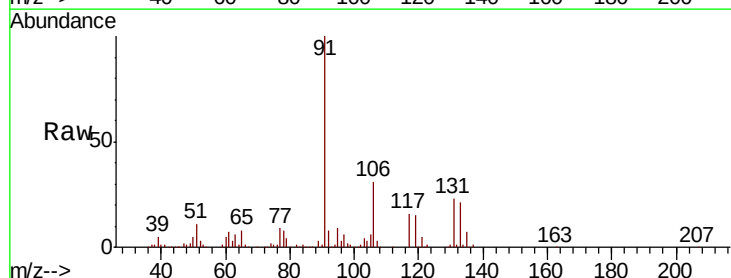
RT: 11.51 min Scan# 3028

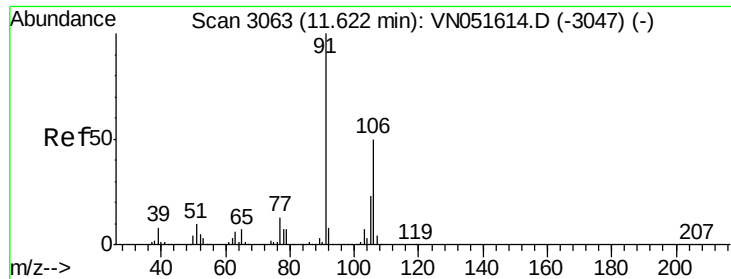
Delta R.T. -0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Tgt Ion:	91	Resp:	540416
Ion Ratio	Lower	Upper	
91	100		
106	30.8	25.0	37.4





#67

m/p-Xylenes

Concen: 37.167 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion:106 Resp: 426359

Ion Ratio Lower Upper

106 100

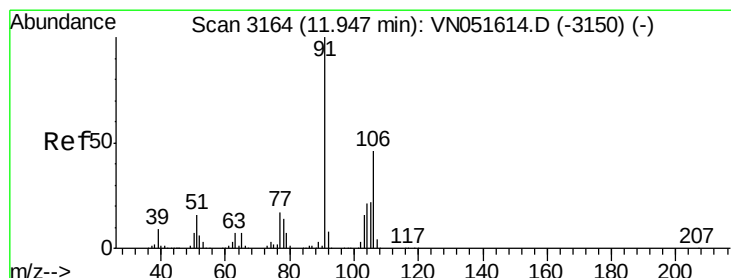
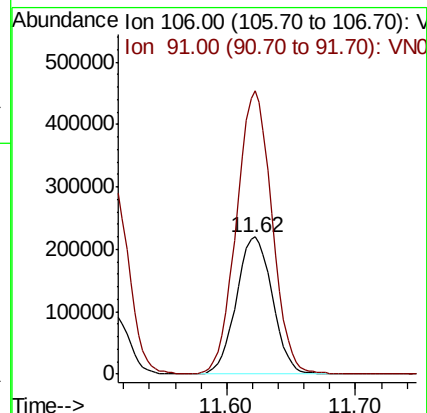
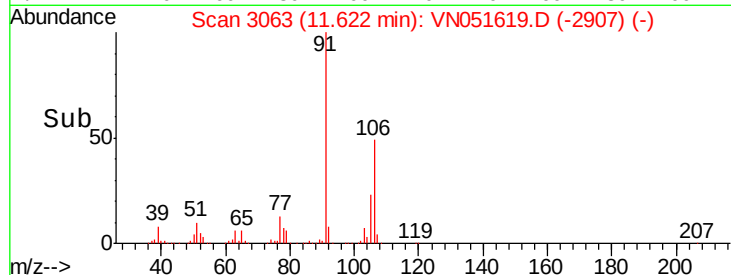
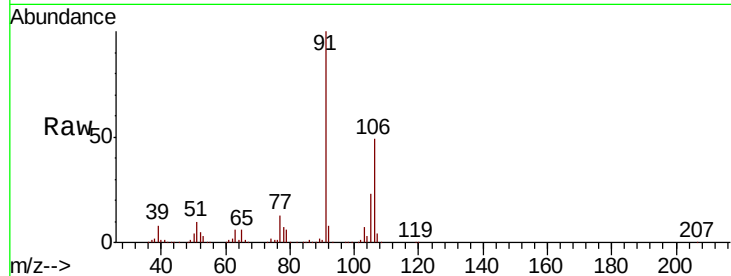
91 203.5 161.5 242.3

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#68

o-Xylene

Concen: 18.486 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051619.D

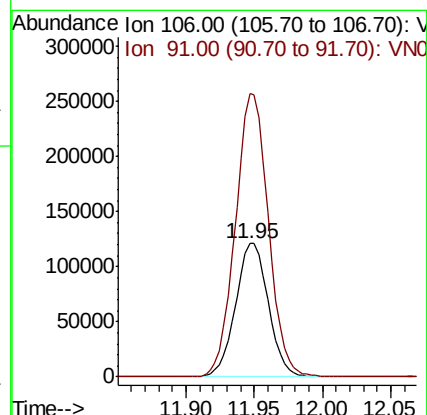
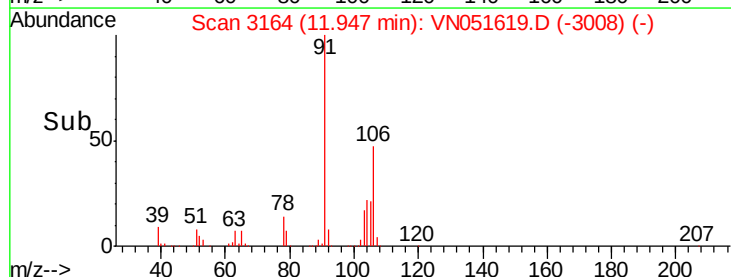
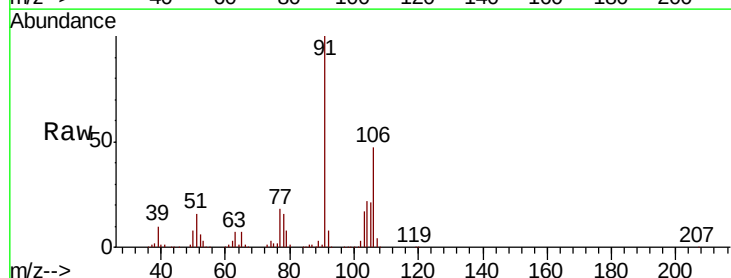
Acq: 28 Sep 2018 17:09

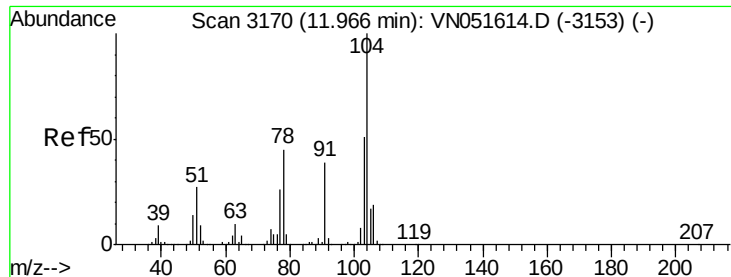
Tgt Ion:106 Resp: 202426

Ion Ratio Lower Upper

106 100

91 213.3 109.7 329.1





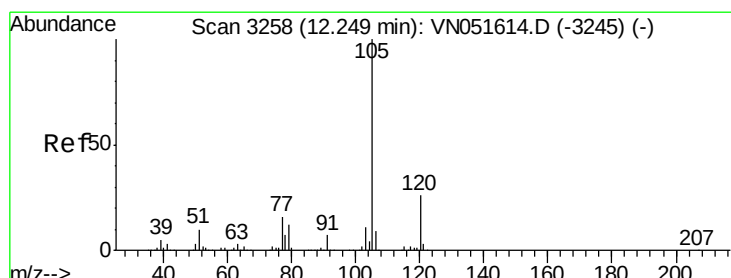
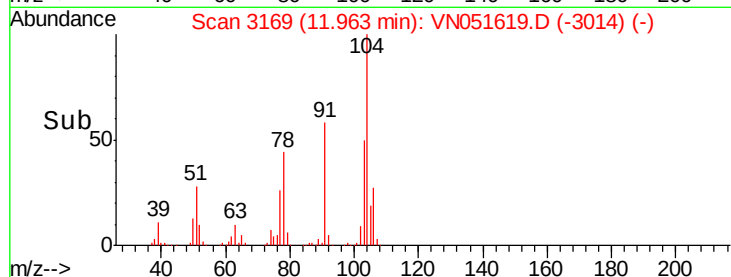
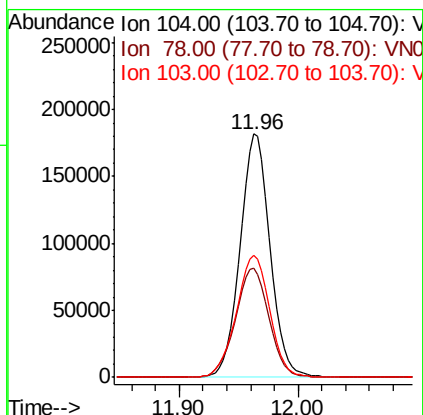
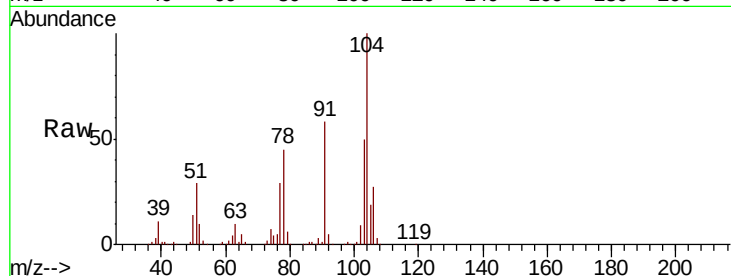
#69
Stvrene
Concen: 18.429 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	316751		
78	50.5		40.3	60.5
103	55.9		45.7	68.5

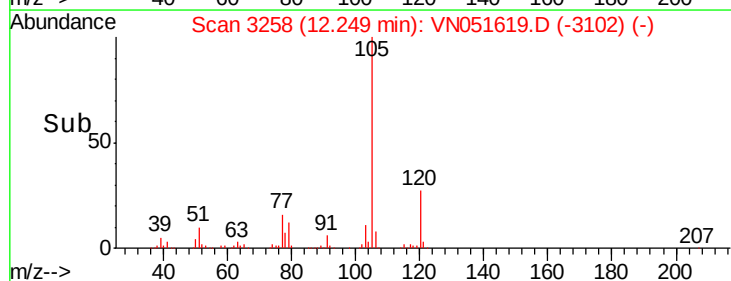
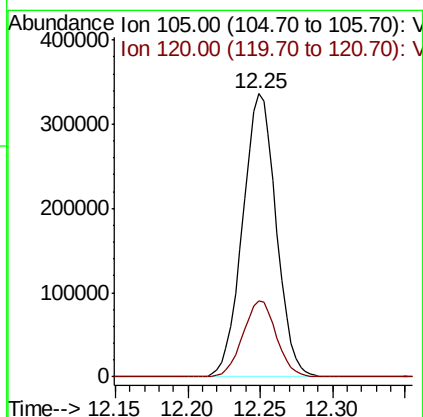
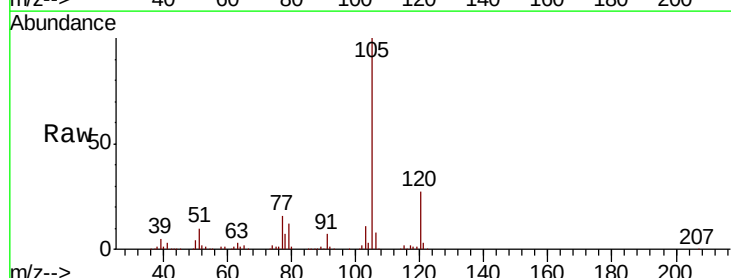
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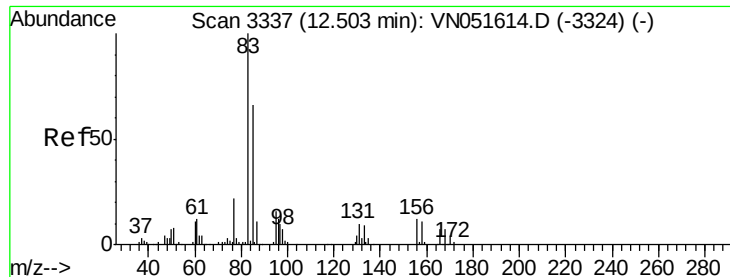
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#70
Isopropylbenzene
Concen: 18.530 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	541266		
120	26.8		18.7	34.7





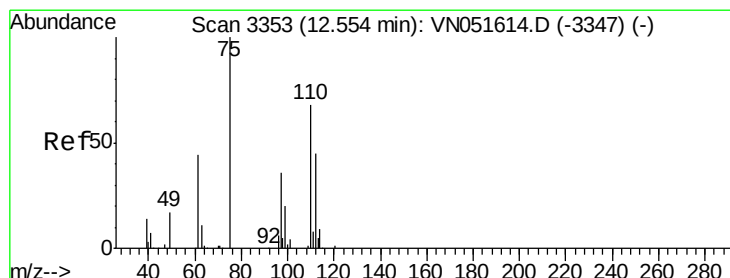
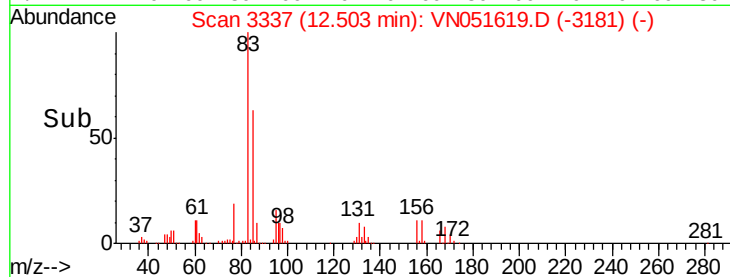
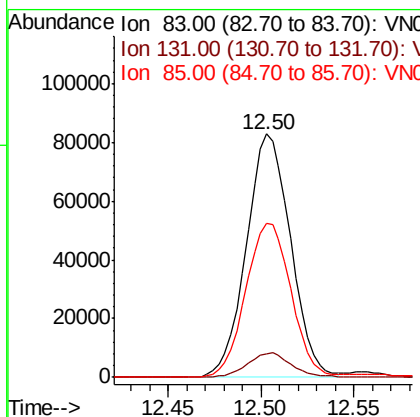
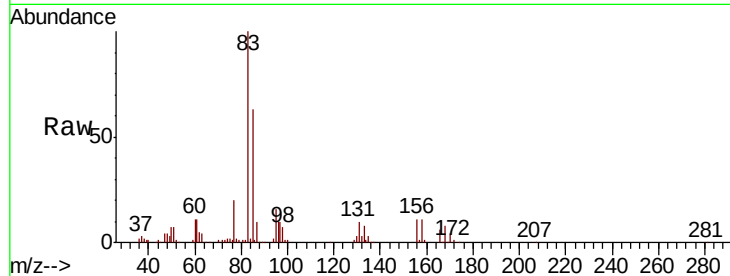
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.466 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Instrument :
 MSVOA_N
 ClientSampled :
 VN0928WBS01

Tot Ion	83	Resp	137565
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.2	15.6
85	64.6	32.0	96.2

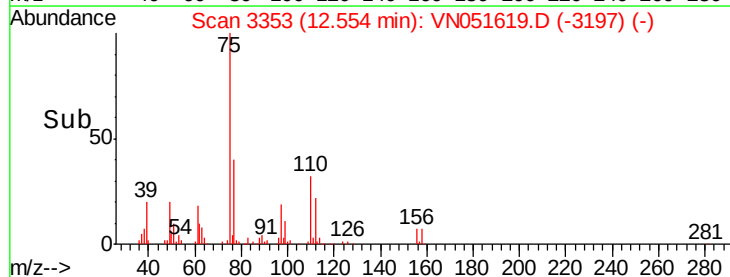
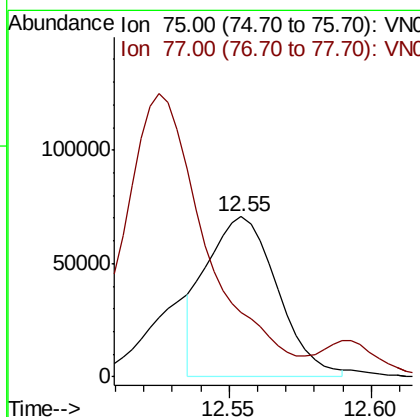
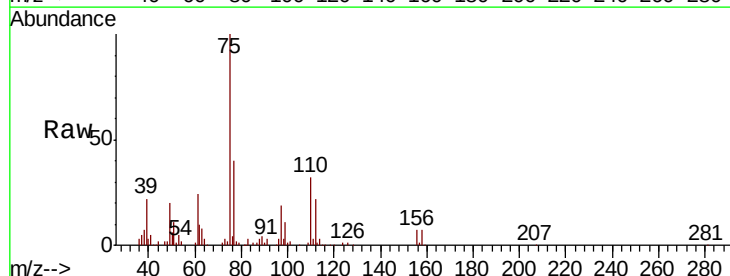
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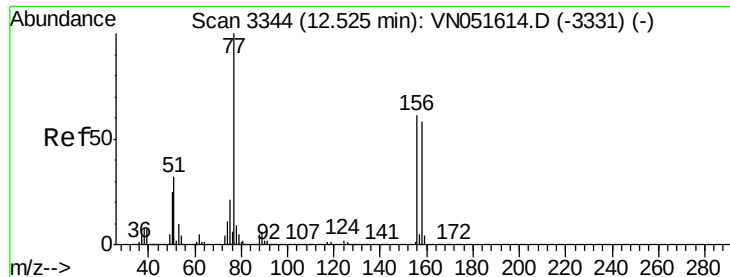
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 10/3/2018 5:27:43 PM



#72
 1,2,3-Trichloropropane
 Concen: 20.413 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion	75	Resp	123340
Ion Ratio	Lower	Upper	
75	100		
77	204.7	0.0	492.2





#73

Bromobenzene

Concen: 18.321 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

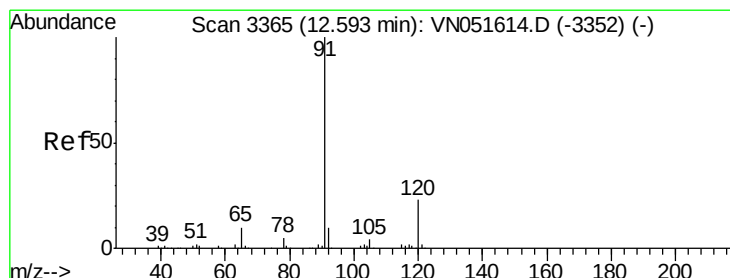
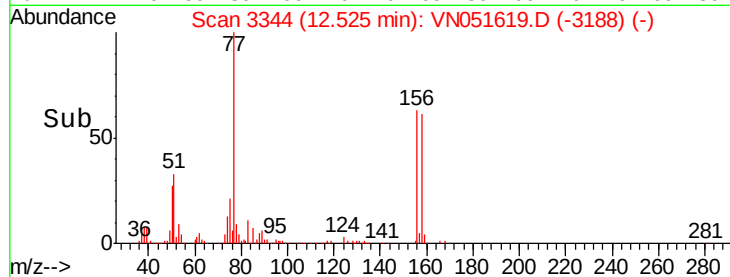
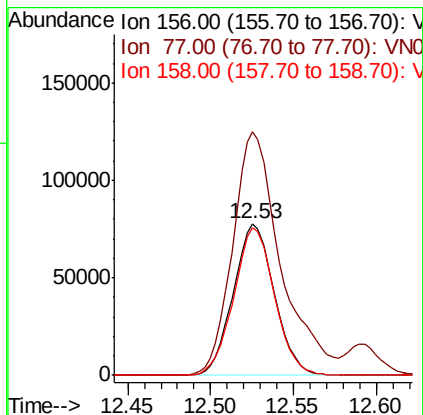
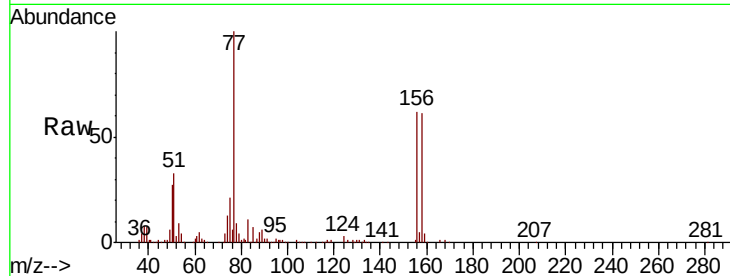
ClientSampleId :

VN0928WBS01

Tot Ion:	156	Resp:	133175
Ion Ratio	Lower	Upper	
156	100		
77	189.6	0.0	385.2
158	97.2	0.0	195.6

Manual Integrations
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#74

n-propylbenzene

Concen: 18.306 ug/l

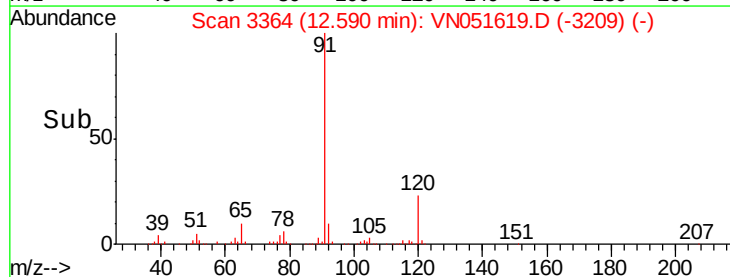
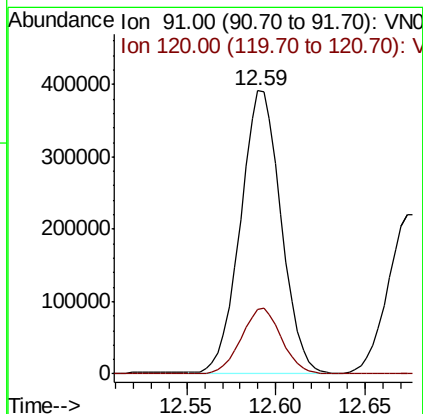
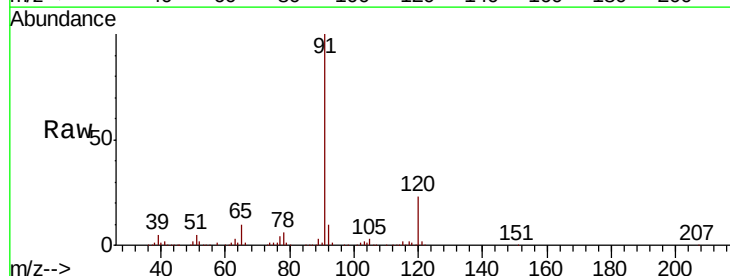
RT: 12.59 min Scan# 3364

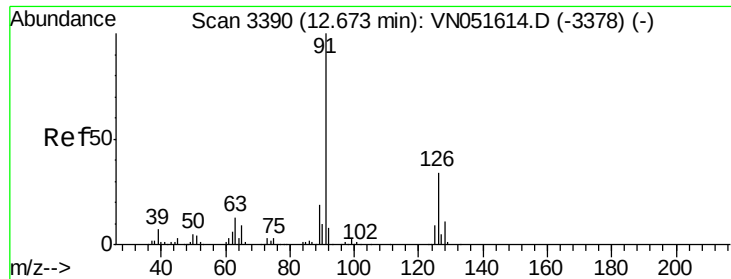
Delta R.T. -0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Tgt Ion:	91	Resp:	622493
Ion Ratio	Lower	Upper	
91	100		
120	22.9	0.0	45.4





#75

2-Chlorotoluene

Concen: 18.385 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampled :

VN0928WBS01

Tot Ion: 91 Resp: 373311

Ion Ratio Lower Upper

91 100

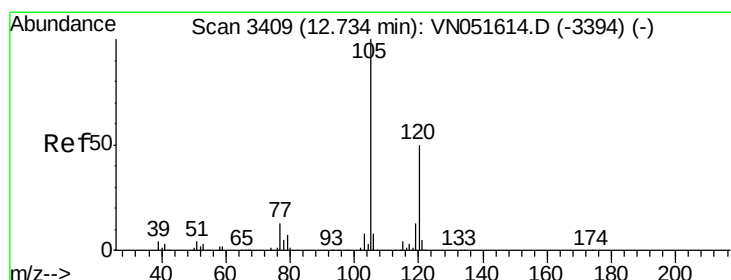
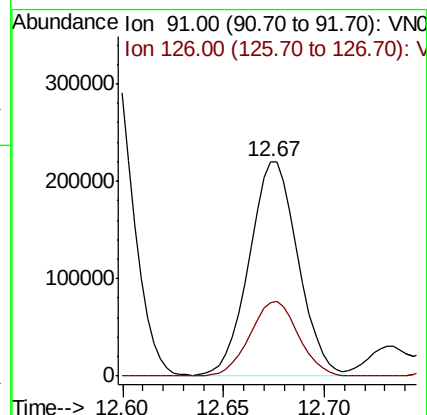
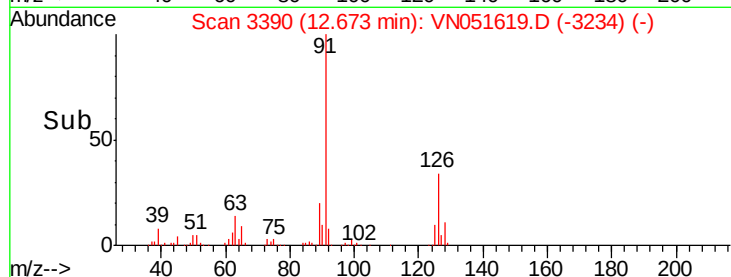
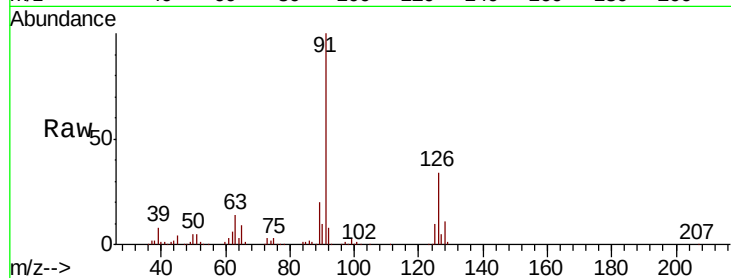
126 34.7 0.0 69.2

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 18.700 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051619.D

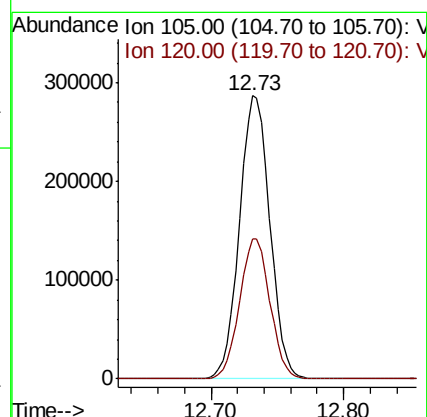
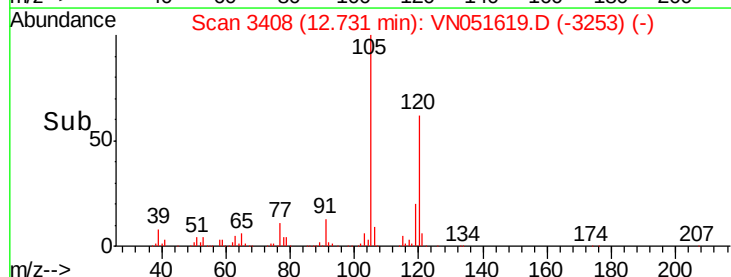
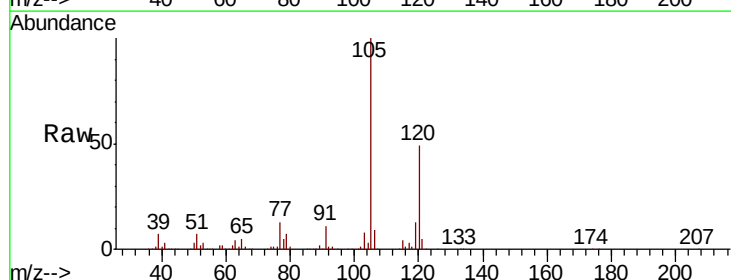
Acq: 28 Sep 2018 17:09

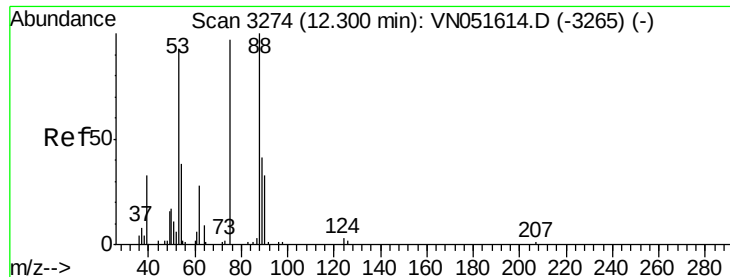
Tgt Ion: 105 Resp: 456430

Ion Ratio Lower Upper

105 100

120 49.5 0.0 99.8





#77

t-1,4-Dichloro-2-butene

Concen: 17.175 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

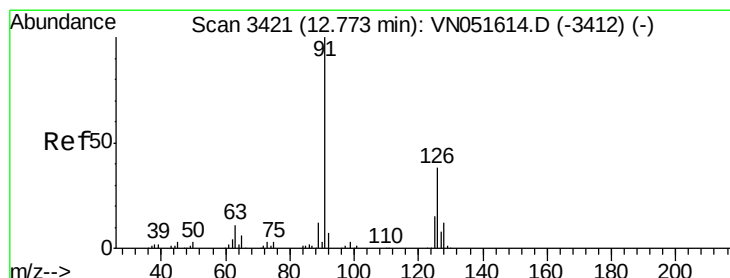
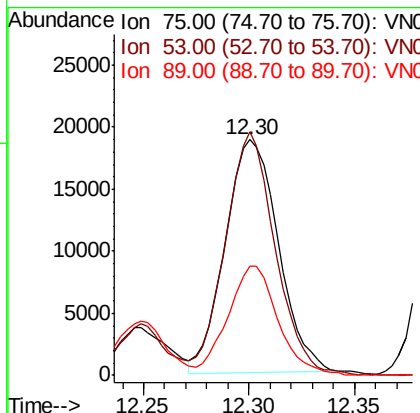
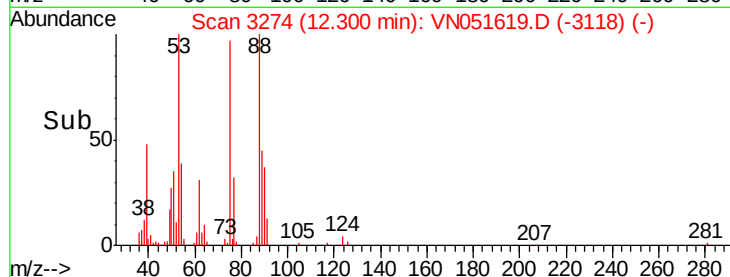
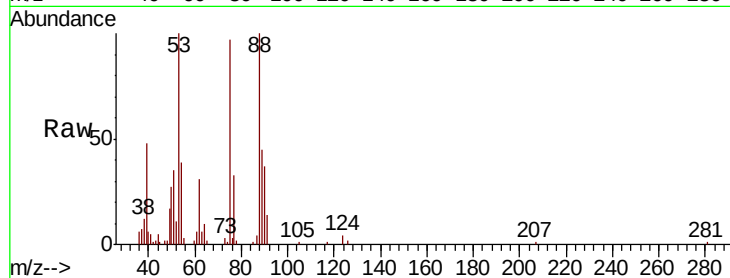
ClientSampled :

VN0928WBS01

Tot Ion:	75	Resp:	32867
Ion	Ratio	Lower	Upper
75	100		
53	103.7	48.1	144.4
89	46.2	22.4	67.3

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#78

4-Chlorotoluene

Concen: 18.453 ug/l

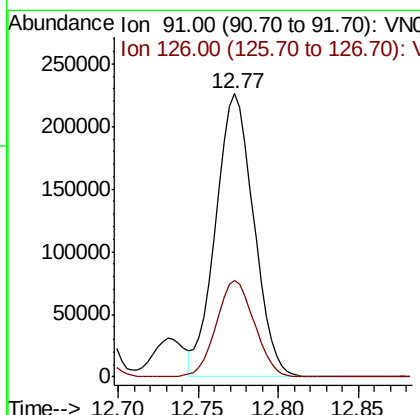
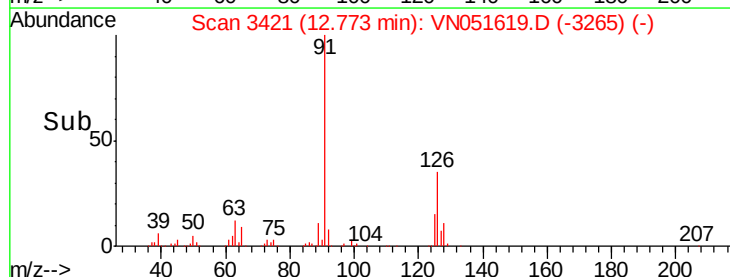
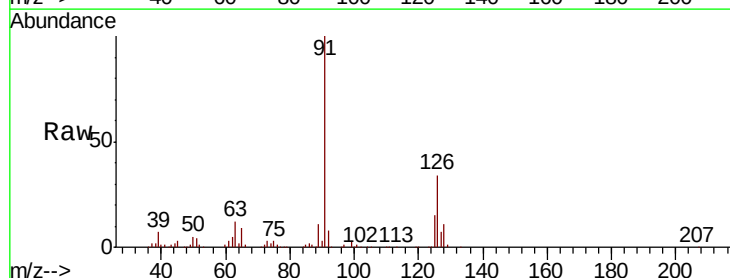
RT: 12.77 min Scan# 3421

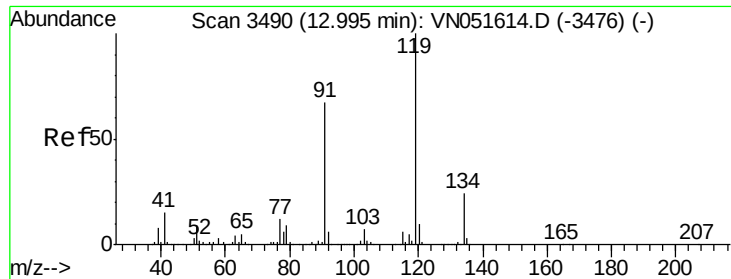
Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Tgt Ion:	91	Resp:	370119
Ion	Ratio	Lower	Upper
91	100		
126	33.9	0.0	68.6





#79

tert-butylbenzene

Concen: 18.212 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

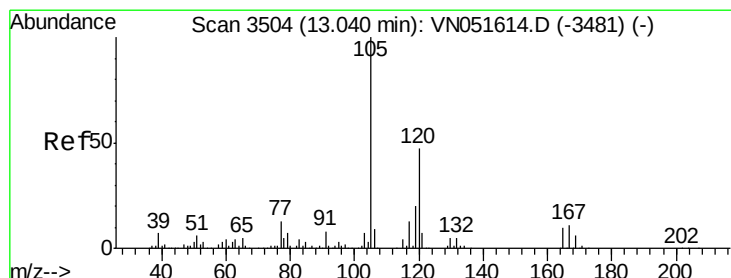
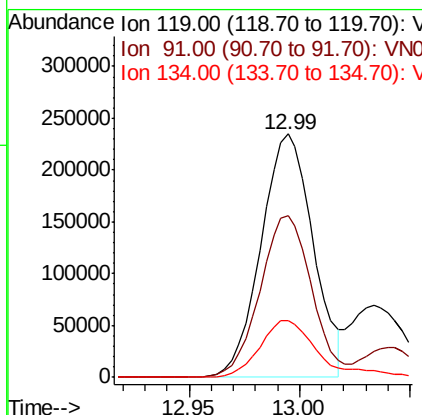
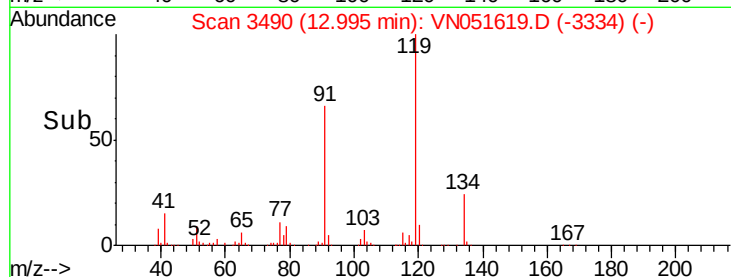
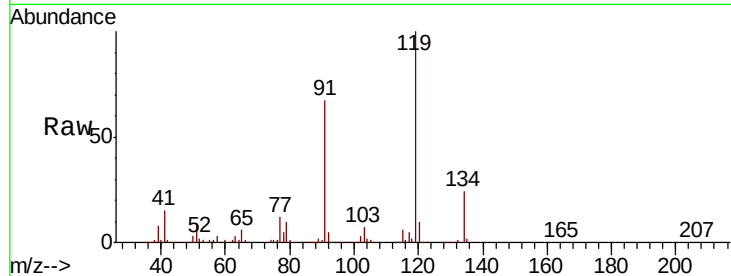
ClientSampled :

VN0928WBS01

Tot Ion:	119	Resp:	385114
Ion Ratio	Lower	Upper	
119	100		
91	65.5	0.0	132.4
134	24.3	0.0	48.4

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 18.582 ug/l

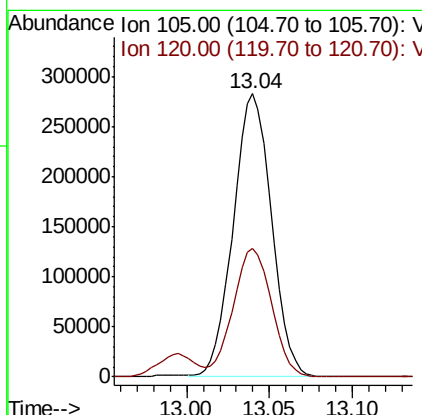
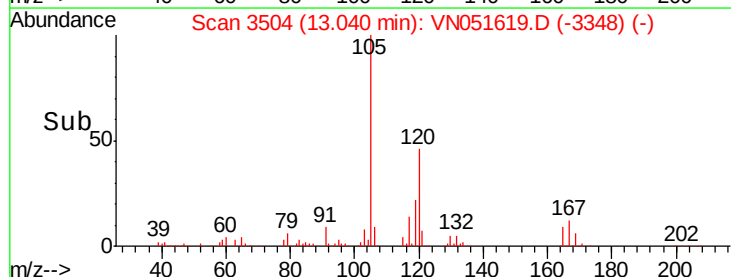
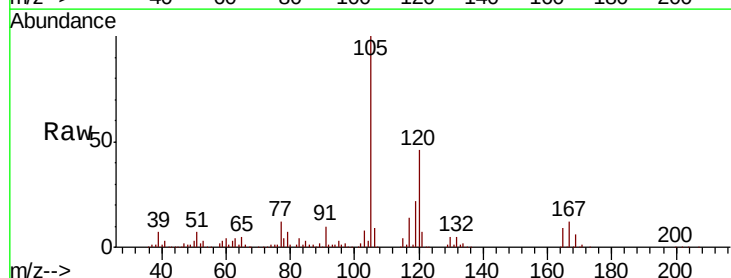
RT: 13.04 min Scan# 3504

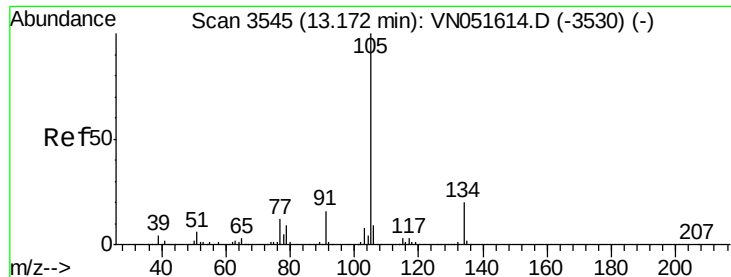
Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Tgt Ion:	105	Resp:	453013
Ion Ratio	Lower	Upper	
105	100		
120	46.0	0.0	91.6





#81

sec-Butylbenzene

Concen: 18.477 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion:105 Resp: 539710

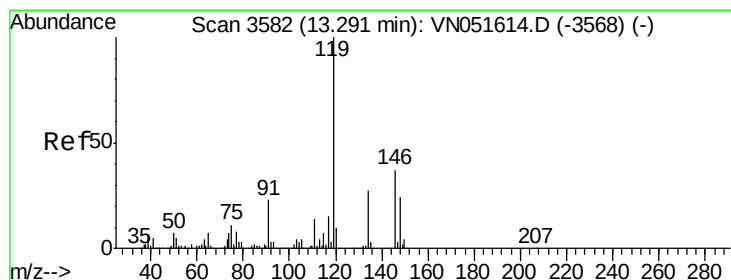
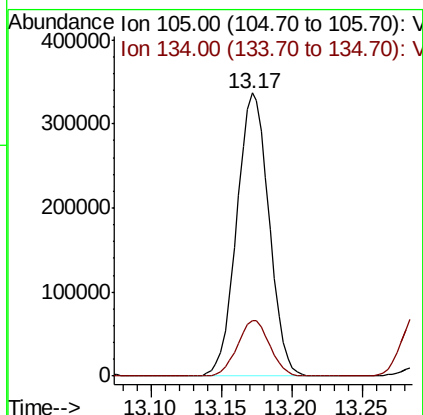
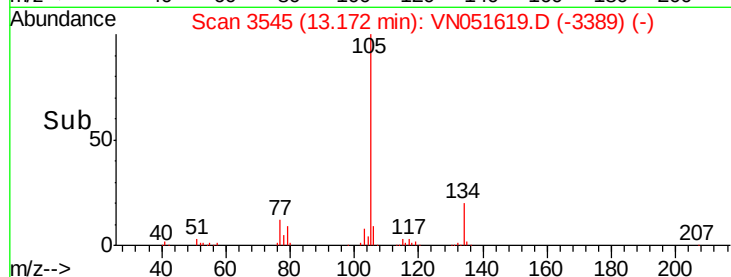
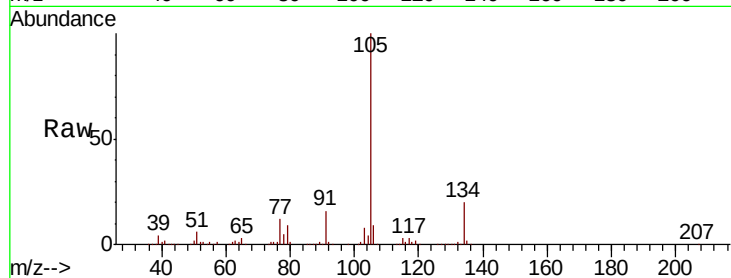
Ion Ratio Lower Upper

105 100

134 19.8 0.0 39.8

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#82

p-Isopropyltoluene

Concen: 18.395 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

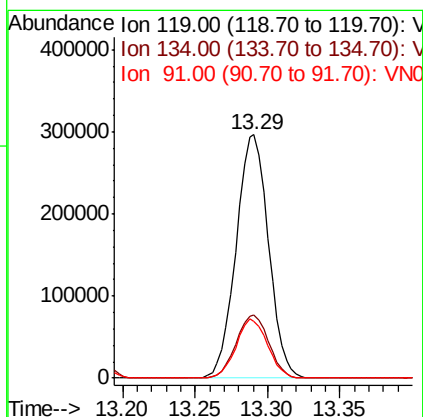
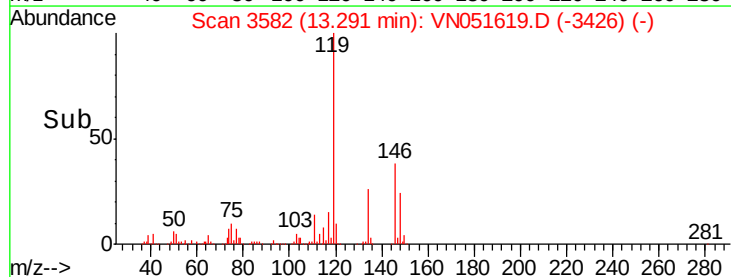
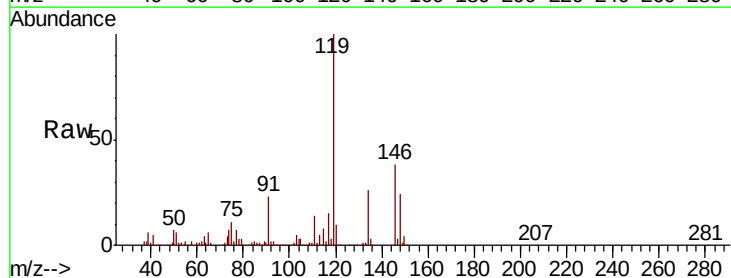
Tgt Ion:119 Resp: 459247

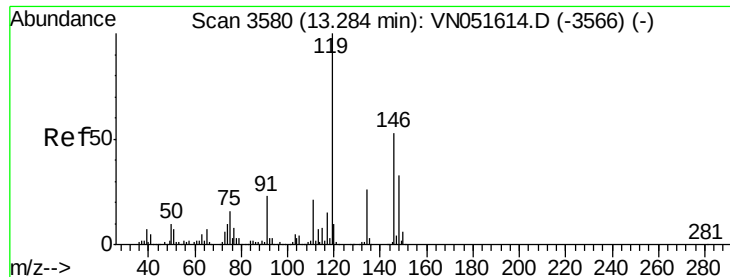
Ion Ratio Lower Upper

119 100

134 26.2 0.0 52.0

91 23.5 0.0 46.0





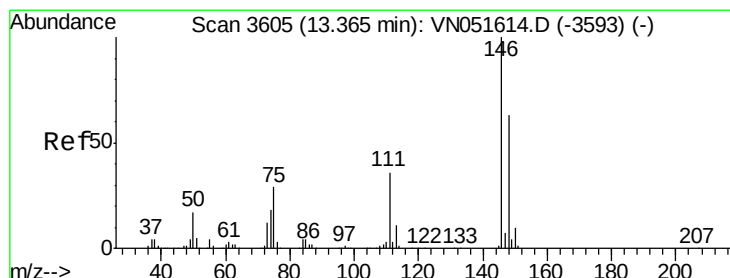
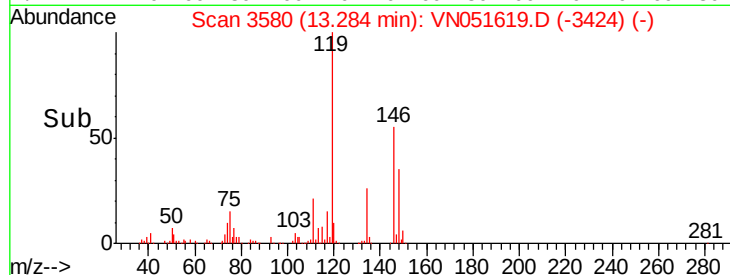
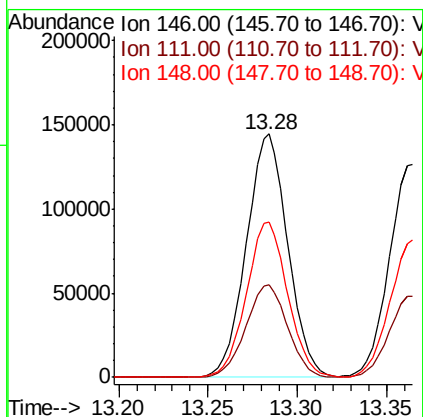
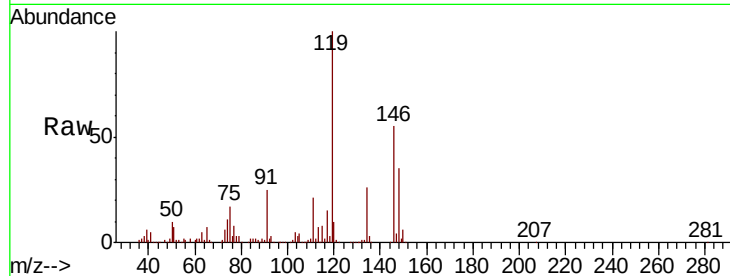
#83
 1,3-Dichlorobenzene
 Concen: 18.600 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	235599		
111	38.1	19.9	59.6	
148	63.4	32.4	97.2	

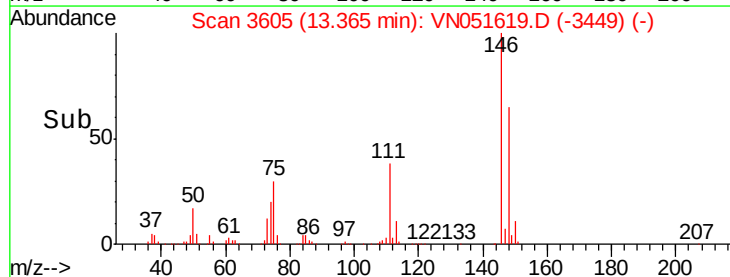
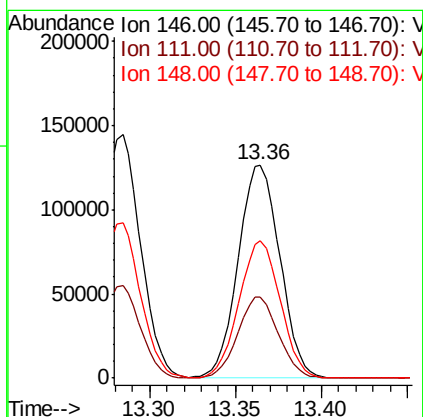
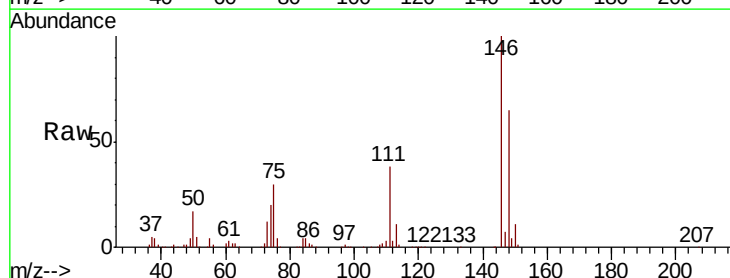
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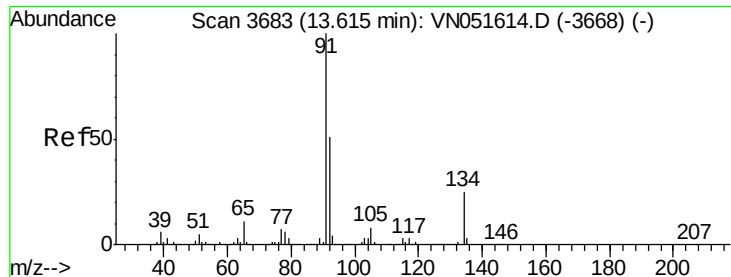
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 17.959 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	213828		
111	37.1	18.6	55.8	
148	63.8	32.1	96.5	





#85

n-Butylbenzene

Concen: 17.265 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

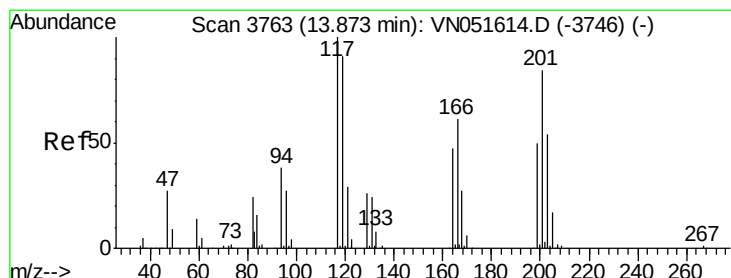
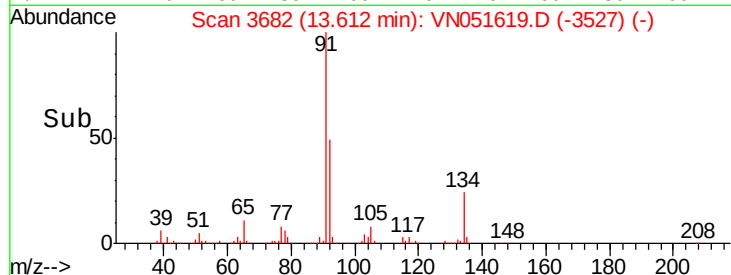
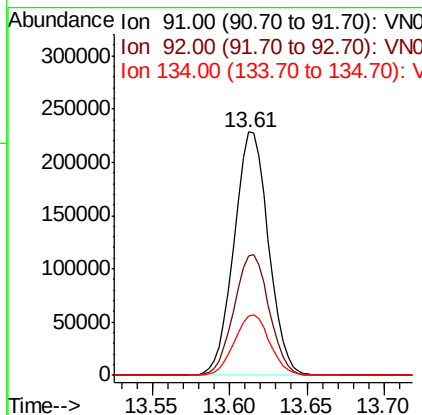
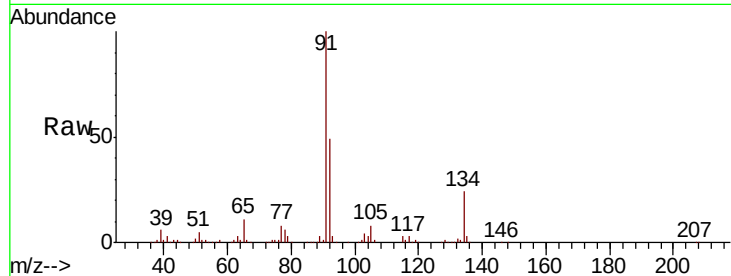
ClientSampleId :

VN0928WBS01

Tot Ion:	91	Resp:	353788
Ion	Ratio	Lower	Upper
91	100		
92	50.5	0.0	101.6
134	25.1	0.0	50.6

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#86

Hexachloroethane

Concen: 18.006 ug/l

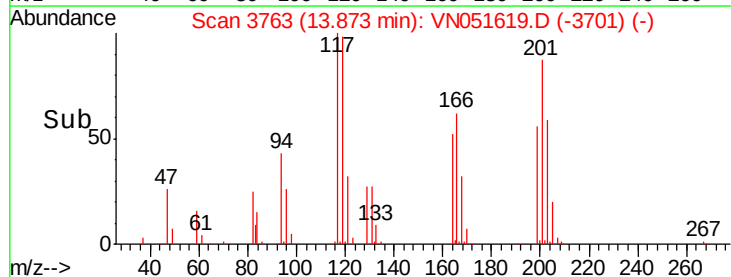
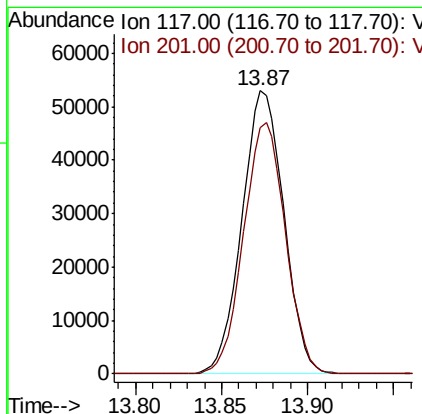
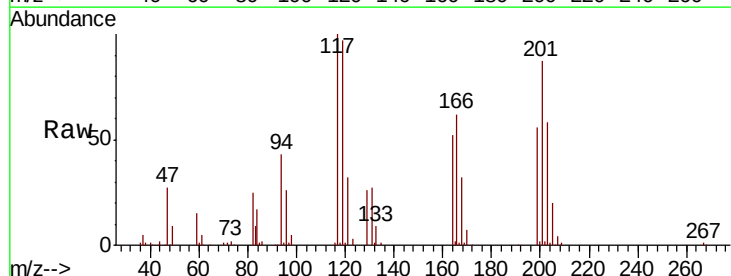
RT: 13.87 min Scan# 3763

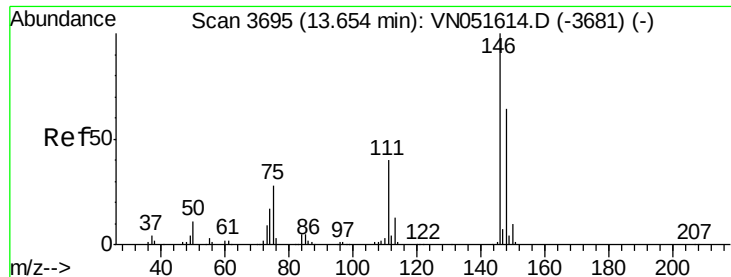
Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Tgt Ion:	117	Resp:	89910
Ion	Ratio	Lower	Upper
117	100		
201	88.3	42.9	128.5





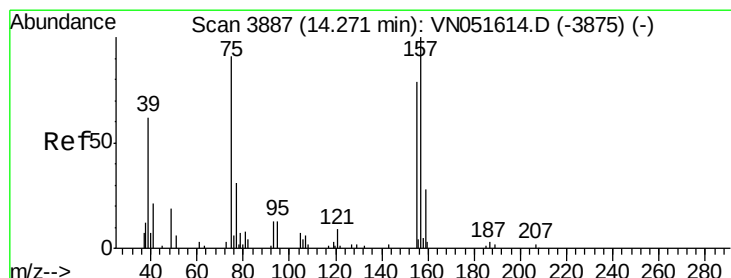
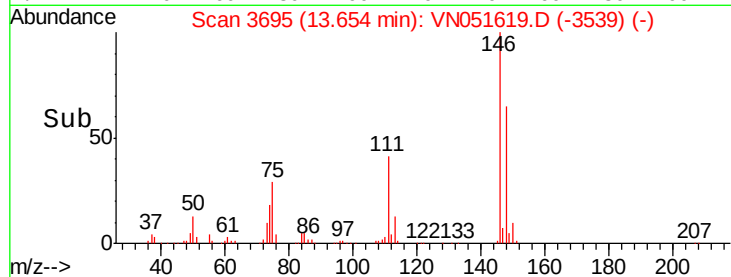
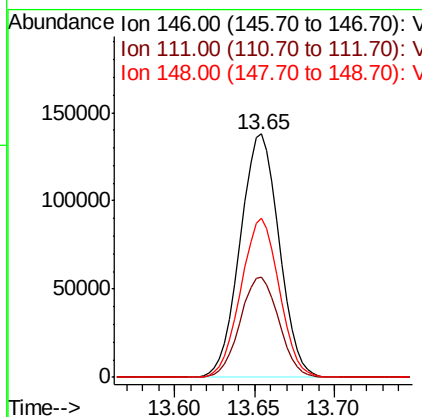
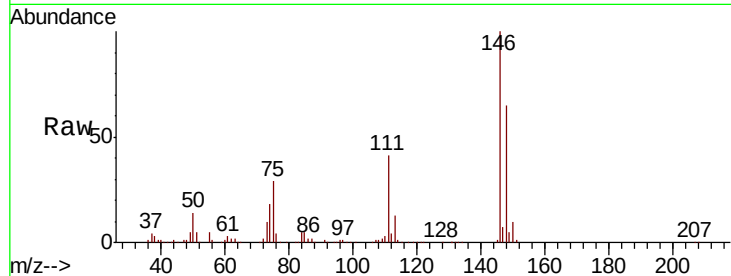
#87
 1,2-Dichlorobenzene
 Concen: 18.554 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Instrument :
 MSVOA_N
 ClientSampled :
 VN0928WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	229898		
111	40.7		20.1	60.3
148	64.3		32.1	96.5

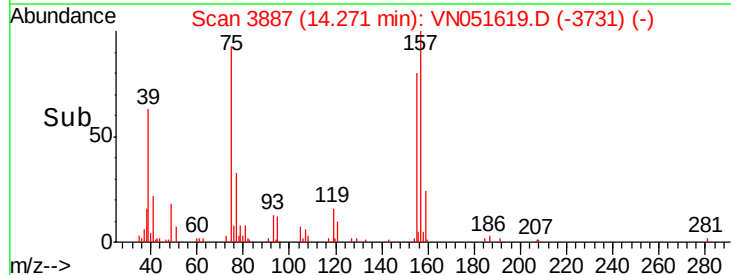
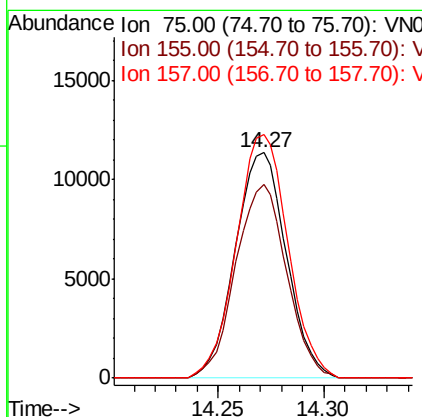
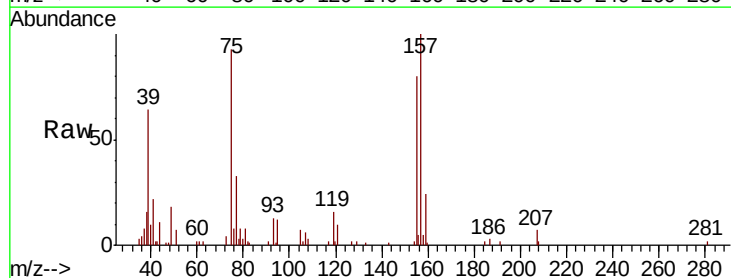
Manual Integrations
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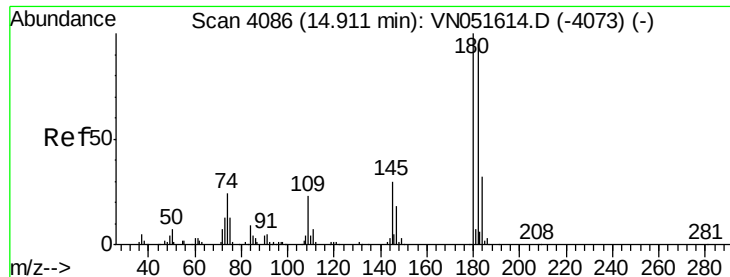
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.586 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19144		
155	85.7		67.1	100.7
157	109.1		85.8	128.6





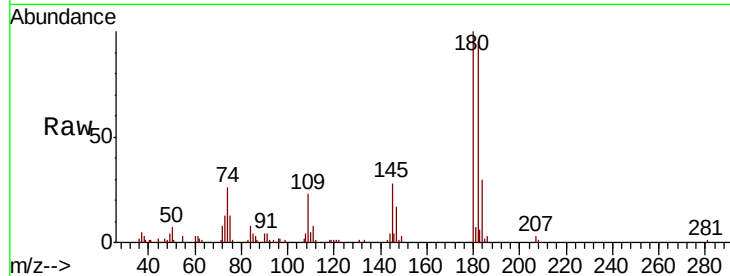
#89
 1,2,4-Trichlorobenzene
 Concen: 15.738 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.2	112.8
145	29.2	22.9	34.3

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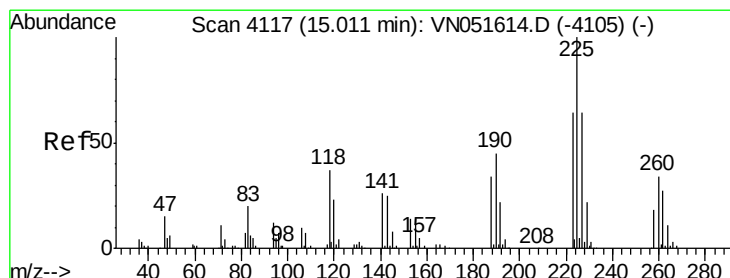
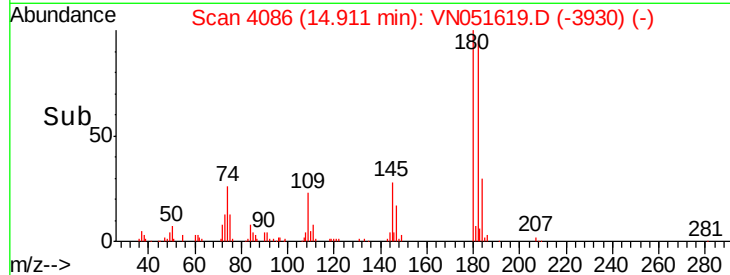
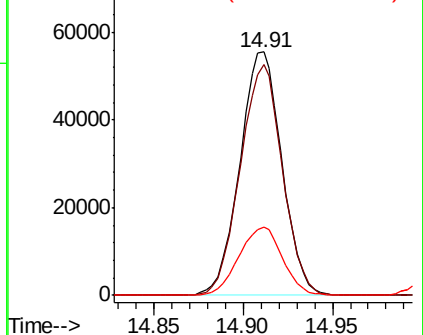


Abundance

Ion 180.00 (179.70 to 180.70): V

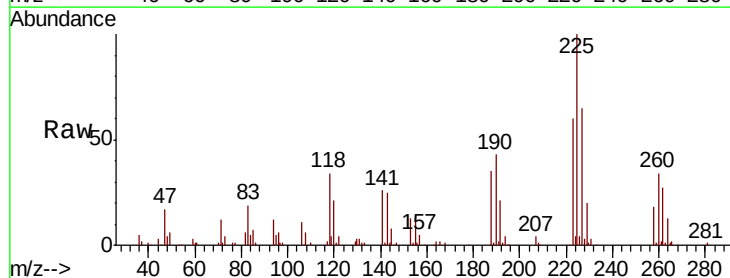
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 18.911 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	0.0	131.0
227	65.4	0.0	129.0

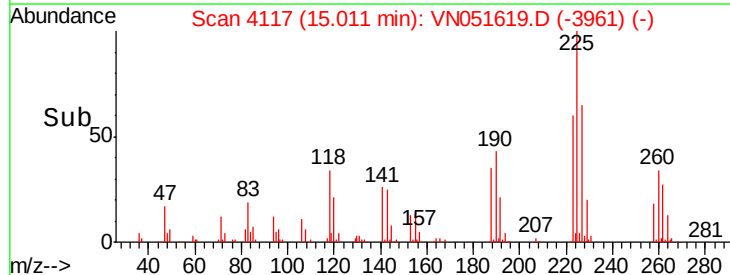
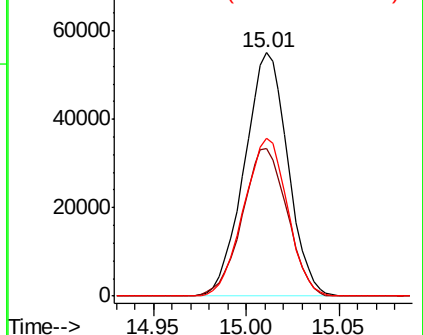


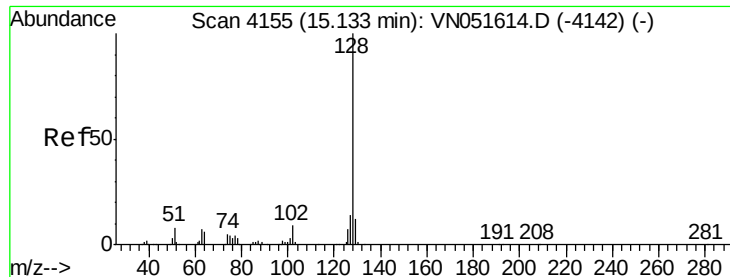
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





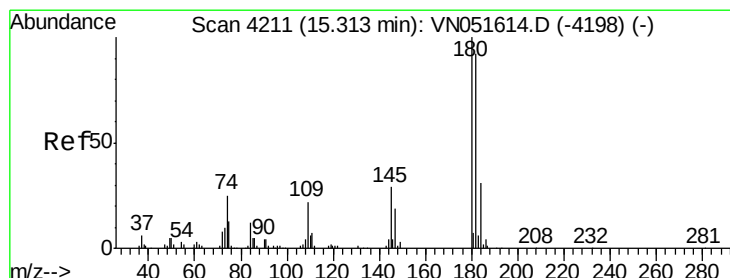
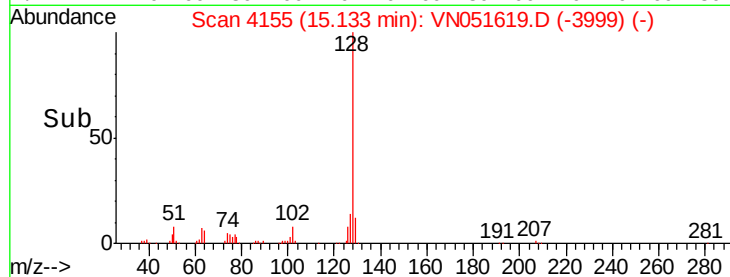
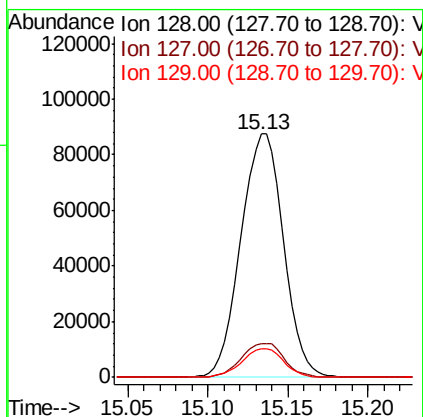
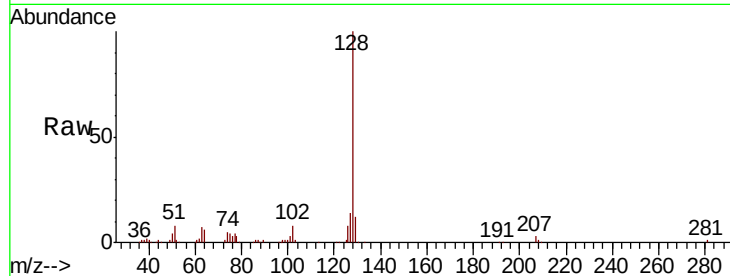
#91
Naphthalene
Concen: 17.626 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	159395		
127	14.0		10.8	16.2
129	11.5		9.1	13.7

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#92
1,2,3-Trichlorobenzene
Concen: 16.935 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	98776		
182	94.9		0.0	191.8
145	28.6		0.0	60.4

