

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091818\
 Data File : VN051293.D
 Acq On : 18 Sep 2018 13:22
 Operator : MD\SY
 Sample : VN0918WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0918WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 2:57:07 PM

Quant Time: Sep 18 14:59:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	109384	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	573482	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	498842	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	196792	28.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.97%
60) 4-Bromofluorobenzene	12.40	95	211898	28.57	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.23%
63) Toluene-d8	10.09	98	711536	30.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.97%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	102622	15.107	ug/l 98
3) Chloromethane	2.06	50	137853	17.186	ug/l 99
4) Vinyl Chloride	2.19	62	136958	17.281	ug/l 99
5) Bromomethane	2.57	94	78899	16.332	ug/l 100
6) Chloroethane	2.70	64	83342	17.828	ug/l 98
7) Trichlorofluoromethane	3.01	101	191874	18.262	ug/l 100
8) Diethyl Ether	3.41	74	62348	16.831	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	116305	17.875	ug/l 97
10) 1,1-Dichloroethene	3.74	96	105433	17.838	ug/l 99
11) Methyl Iodide	3.95	142	94545	17.144	ug/l 98
12) Methyl Acetate	4.33	43	83542	12.224	ug/l 99
13) Acrolein	3.61	56	41141	271.849	ug/l 100
14) Acrylonitrile	5.00	53	170707	73.874	ug/l 97
15) Acetone	3.82	58	40743	68.903	ug/l 88
16) Carbon Disulfide	4.05	76	320196	18.017	ug/l 99
17) Allyl chloride	4.33	41	151187	16.257	ug/l 97
18) Methylene Chloride	4.55	84	123053	17.737	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	112312	17.835	ug/l 96
20) Diisopropyl ether	5.96	45	332803	17.240	ug/l 99
21) 1,1-Dichloroethane	5.85	63	207758	17.553	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	126814	17.827	ug/l 98
23) tert-Butyl Alcohol	4.79	59	33894	68.970	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	268886	16.633	ug/l 100
25) Chloroform	7.37	83	213672	18.087	ug/l 96
26) Cyclohexane	7.66	56	167672	17.099	ug/l # 100
29) 1,1-Dichloropropene	7.80	75	155679	18.133	ug/l 99
30) 2-Butanone	6.84	43	180169	68.215	ug/l 98
31) 2,2-Dichloropropane	6.83	77	155749	18.643	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	182652	18.761	ug/l 98
33) Carbon Tetrachloride	7.78	117	164484	18.760	ug/l 96
34) Benzene	8.04	78	476674	17.947	ug/l 99
35) Methacrylonitrile	7.18	41	39549	13.667	ug/l 94
36) 1,2-Dichloroethane	8.13	62	145972	18.172	ug/l 99
37) Trichloroethene	8.84	130	130991	18.869	ug/l 97
38) Methylcyclohexane	9.08	83	164856	17.878	ug/l 97
39) 1,2-Dichloropropane	9.12	63	126986	18.306	ug/l 96
40) Dibromomethane	9.21	93	75953	18.177	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	159230	18.077	ug/l	99
42) Vinyl Acetate	5.90	43	1030063	84.670	ug/l	98
43) Ethyl Acetate	6.93	43	81652	15.091	ug/l	97
44) Isopropyl Acetate	8.17	43	149993	15.710	ug/l #	75
45) 1,4-Dioxane	9.20	88	20842	293.868	ug/l	98
46) Methyl methacrylate	9.20	41	69771	14.591	ug/l	97
47) n-amyl Acetate	12.07	43	98914	12.886	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	144975	16.790	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	176422	17.787	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	110176	18.147	ug/l	99
51) Ethyl methacrylate	10.43	69	114389	15.399	ug/l	98
52) 1,3-Dichloropropane	10.71	76	175469	17.448	ug/l	98
53) Dibromochloromethane	10.90	129	124567	18.043	ug/l	97
54) 1,2-Dibromoethane	11.01	107	104337	17.379	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	246341	79.699	ug/l	98
56) Bromoform	12.13	173	83755	17.058	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	409466	71.741	ug/l	98
59) 2-Hexanone	10.75	43	247617	66.373	ug/l	100
61) Tetrachloroethene	10.63	164	123880	19.929	ug/l	98
62) Toluene	10.16	91	522509	18.775	ug/l	100
64) Chlorobenzene	11.43	112	318738	18.480	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	124733	19.154	ug/l	99
66) Ethyl Benzene	11.51	91	515512	17.883	ug/l	98
67) m/p-Xylenes	11.62	106	417955	37.683	ug/l	98
68) o-Xylene	11.95	106	194856	18.386	ug/l	99
69) Styrene	11.96	104	300816	17.853	ug/l	100
70) Isopropylbenzene	12.25	105	517959	18.393	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	126032	16.529	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	99104m	15.066	ug/l	
73) Bromobenzene	12.53	156	134406	18.140	ug/l	94
74) n-propylbenzene	12.59	91	554924	17.429	ug/l	98
75) 2-Chlorotoluene	12.67	91	344172	17.794	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	424528	18.447	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	26473	14.126	ug/l	97
78) 4-Chlorotoluene	12.77	91	326461	17.141	ug/l	99
79) tert-butylbenzene	12.99	119	360140	18.019	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	417081	18.178	ug/l	100
81) sec-Butylbenzene	13.17	105	467678	17.884	ug/l	99
82) p-Isopropyltoluene	13.29	119	399810	17.713	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	210605	16.812	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	194486	16.386	ug/l	99
85) n-Butylbenzene	13.62	91	260695	15.137	ug/l	100
86) Hexachloroethane	13.87	117	78863	18.203	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	210223	17.049	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16340	15.318	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	64871	11.818	ug/l	99
90) Hexachlorobutadiene	15.01	225	72212	19.363	ug/l	99
91) Naphthalene	15.13	128	112803	15.152	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	72341	13.133	ug/l	99

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

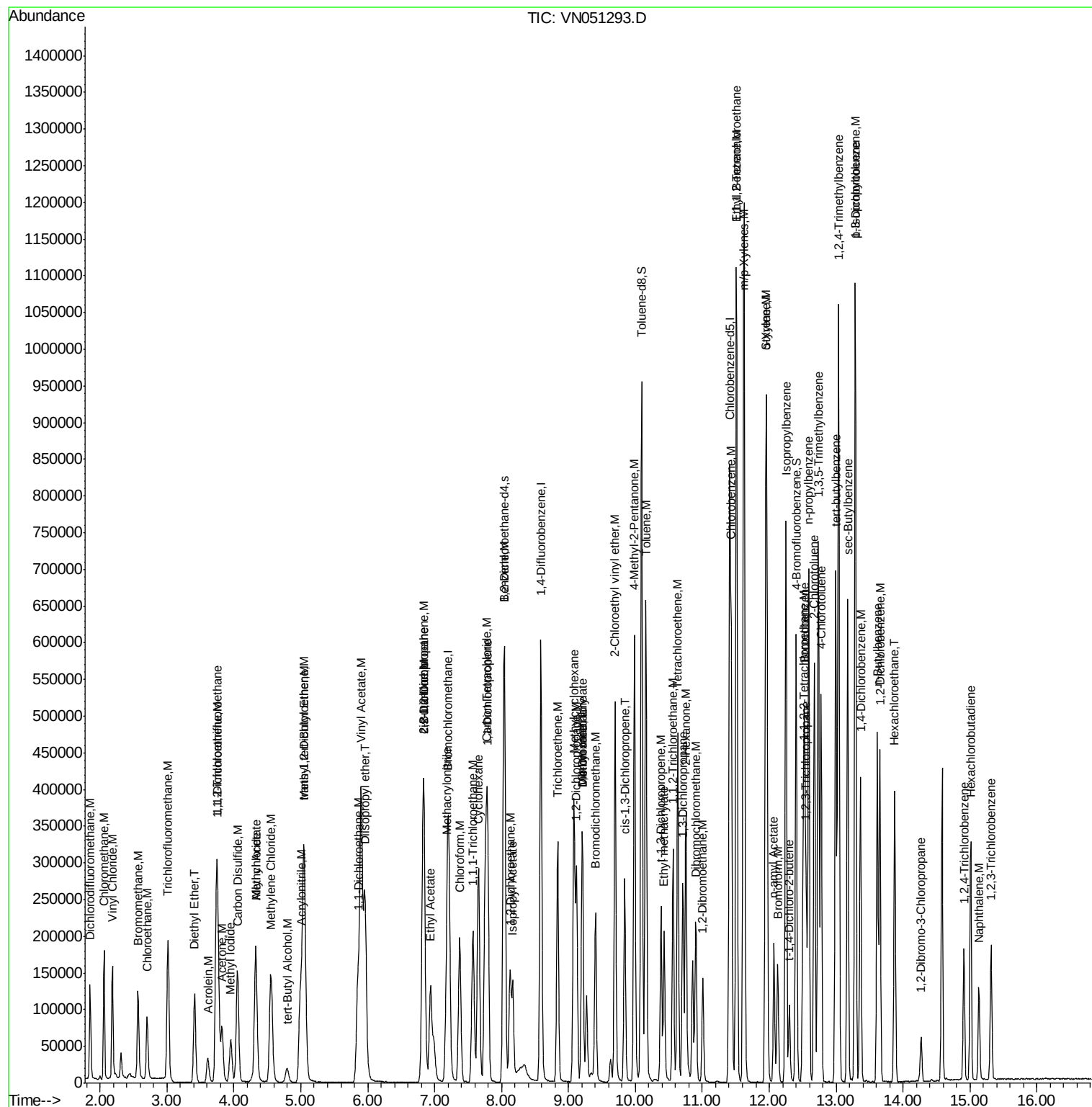
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Data File : VN051293.D
Acq On : 18 Sep 2018 13:22
Operator : MD\SY
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ALS Vial : 10 Sample Multiplier: 1

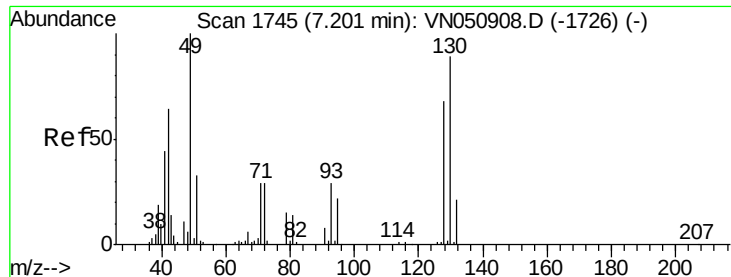
Instrument :
MSVOA_N
Client Sample Id :
VN0918WBSD01

Manual Integrations
APPROVED

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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: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

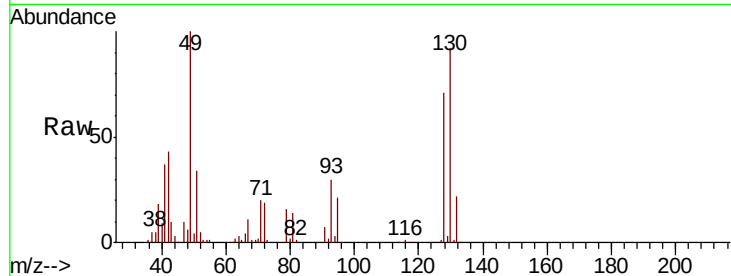
ClientSampled :

VN0918WBSD01

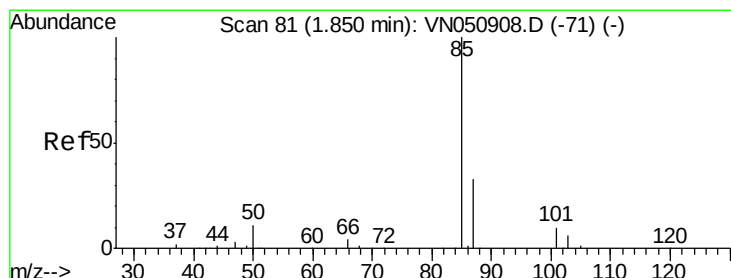
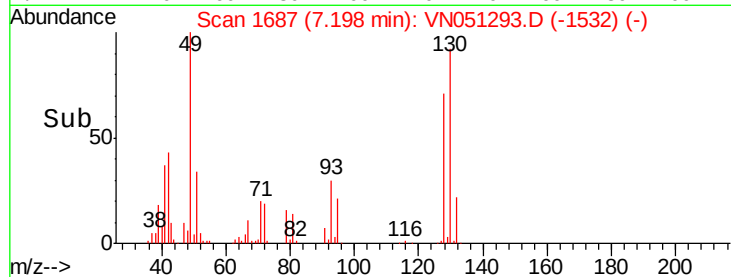
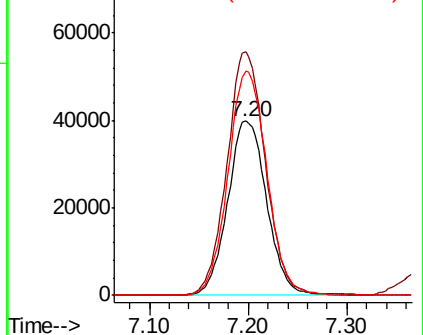
Tgt Ion:	128	Resp:	109384
Ion	Ratio	Lower	Upper
128	100		
49	138.4	0.0	380.3
130	128.5	0.0	325.3

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



#2

Dichlorodifluoromethane

Concen: 15.107 ug/l

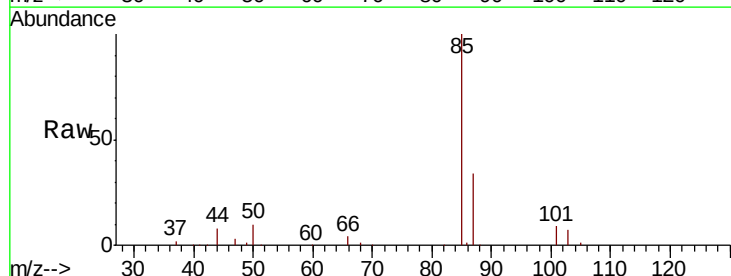
RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

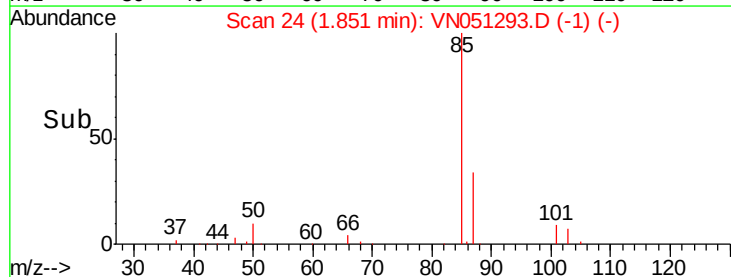
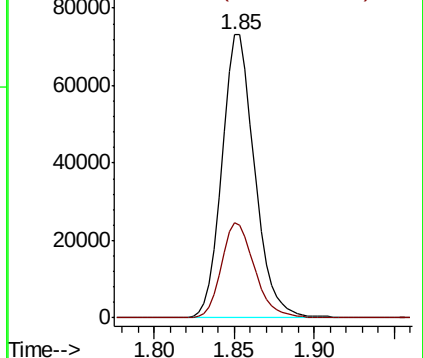
Lab File: VN051293.D

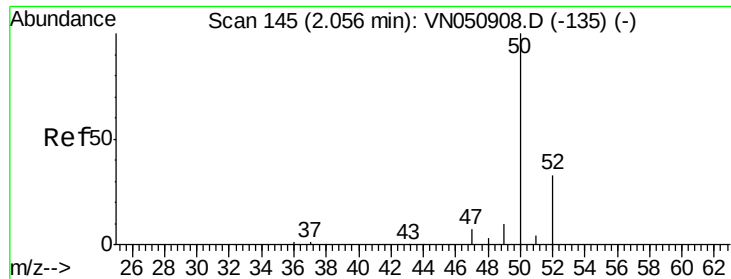
Acq: 18 Sep 2018 13:22

Tgt Ion:	85	Resp:	102622
Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.4	49.1



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





#3

Chloromethane

Concen: 17.186 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD01

Tgt Ion: 50 Resp: 137853

Ion Ratio Lower Upper

50 100

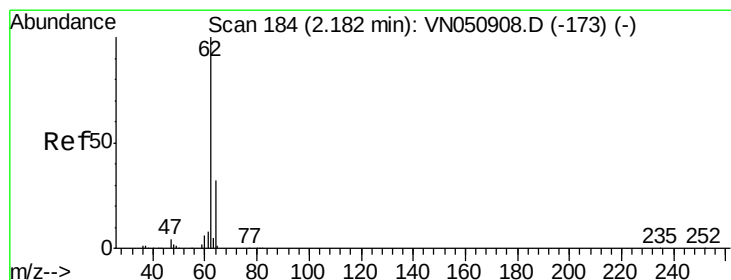
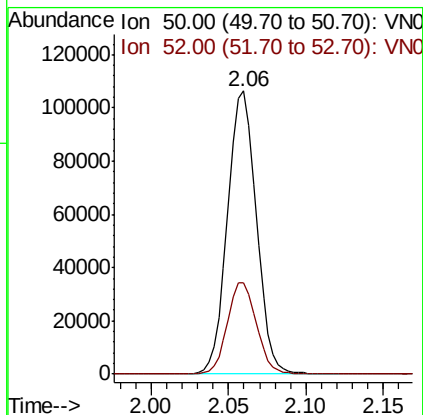
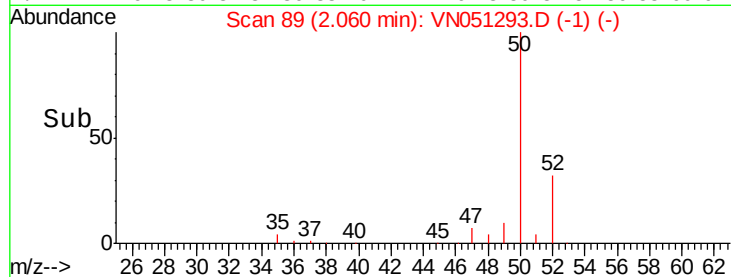
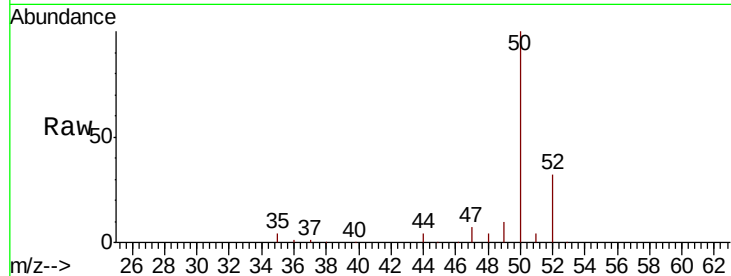
52 32.4 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.281 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051293.D

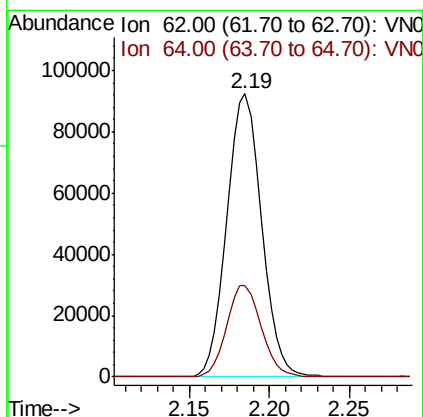
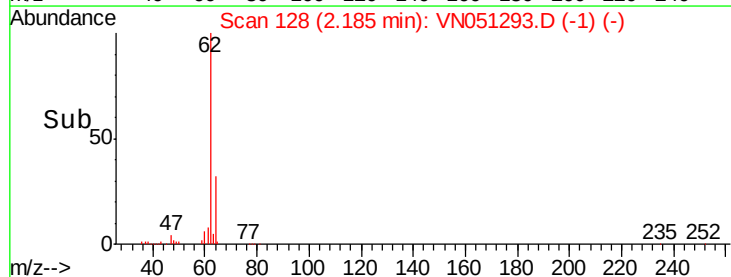
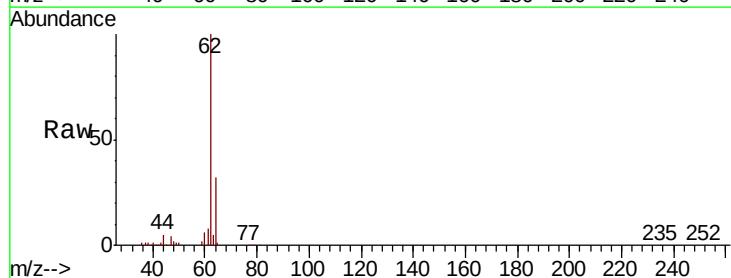
Acq: 18 Sep 2018 13:22

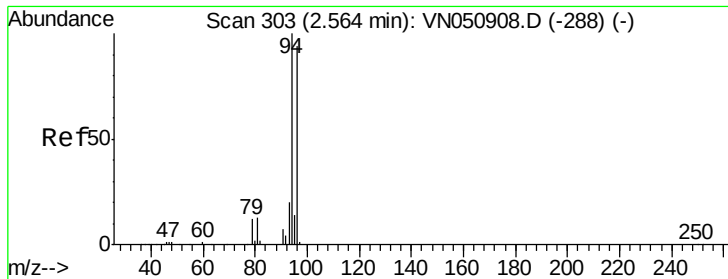
Tgt Ion: 62 Resp: 136958

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.0





#5

Bromomethane

Concen: 16.332 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD01

Tgt Ion: 94 Resp: 78899

Ion Ratio Lower Upper

94 100

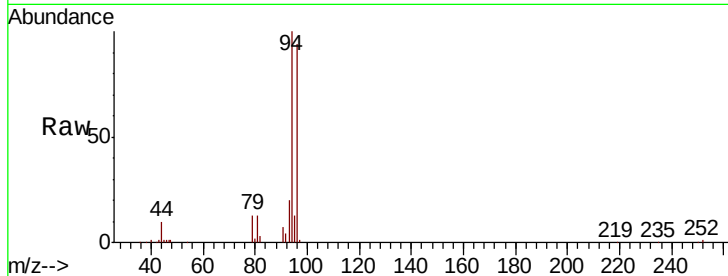
96 93.9 74.9 112.3

Manual Integrations

APPROVED

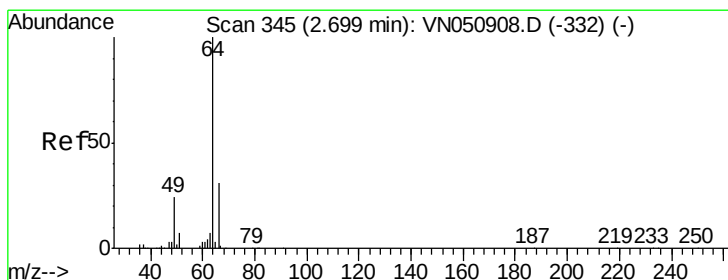
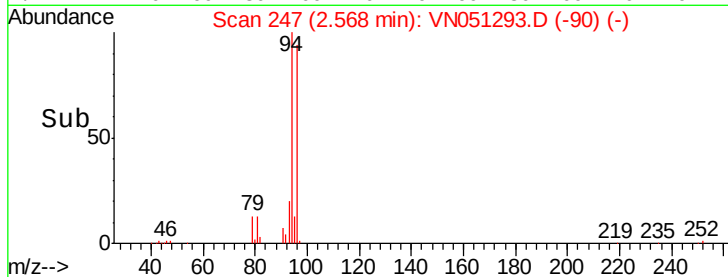
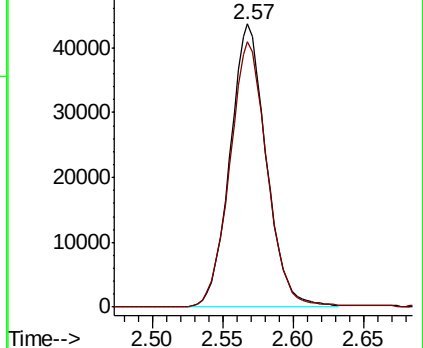
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 17.828 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051293.D

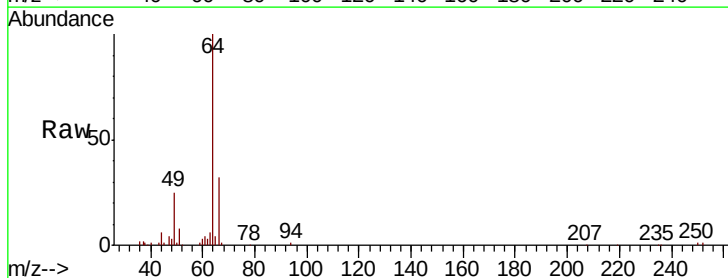
Acq: 18 Sep 2018 13:22

Tgt Ion: 64 Resp: 83342

Ion Ratio Lower Upper

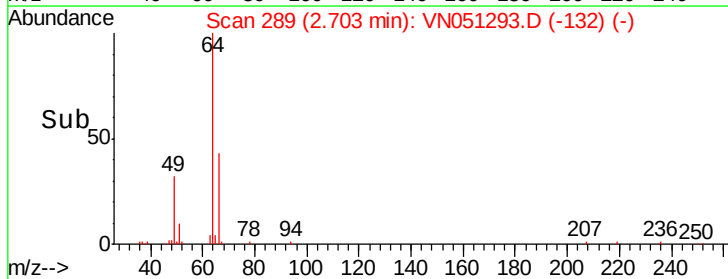
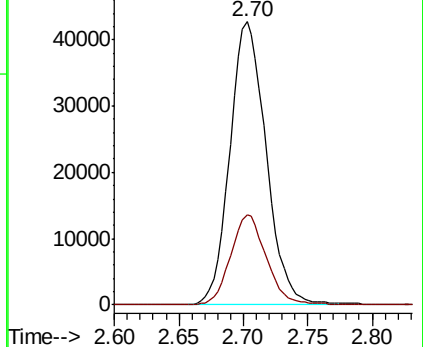
64 100

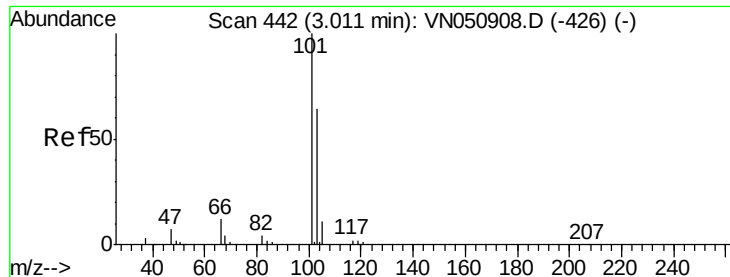
66 31.9 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

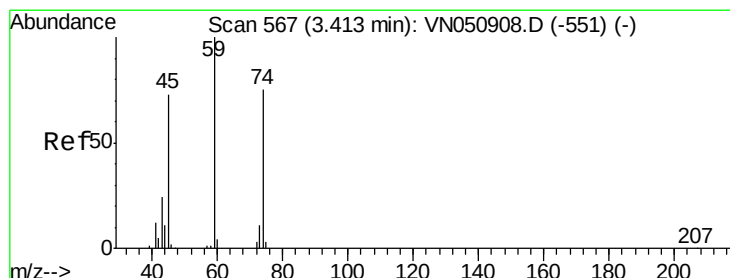
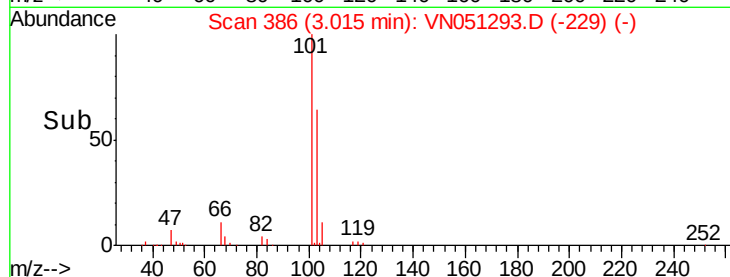
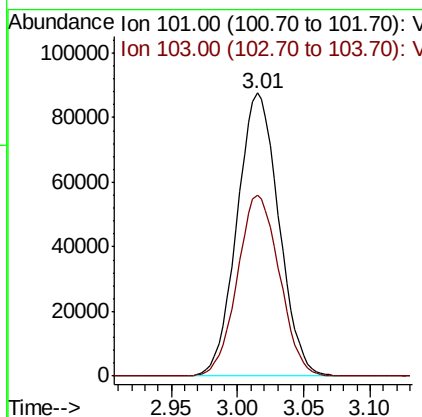
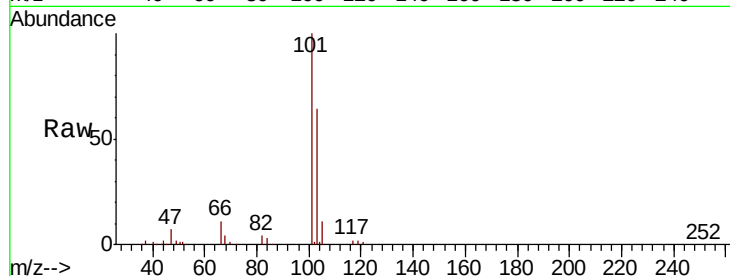
Trichlorofluoromethane
 Concen: 18.262 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Instrument :
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 ClientSampleId :
 VN0918WBSD01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.3	76.9

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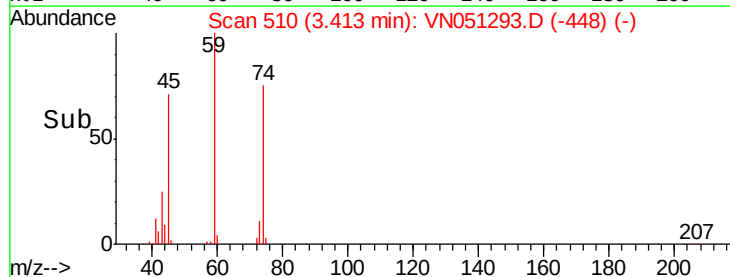
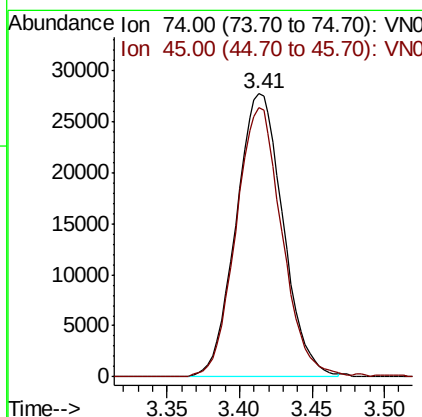
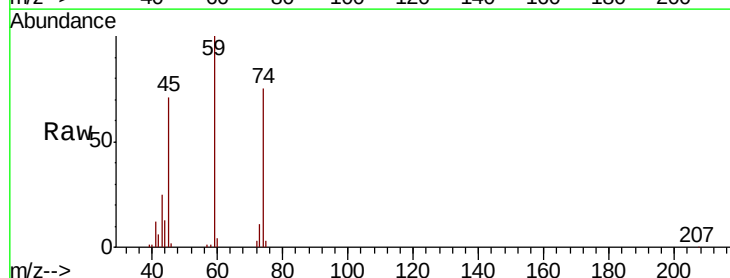
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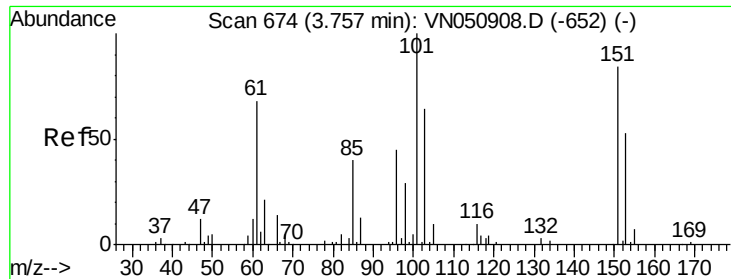


#8

Diethyl Ether
 Concen: 16.831 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	19.7	177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.875 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

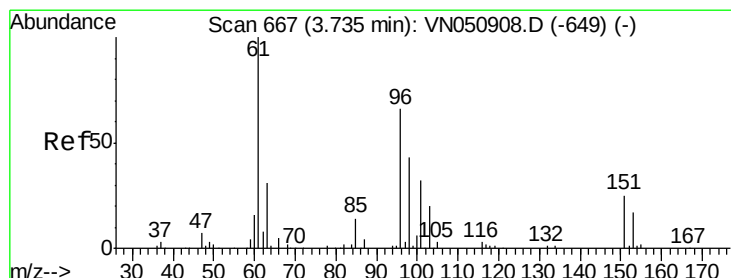
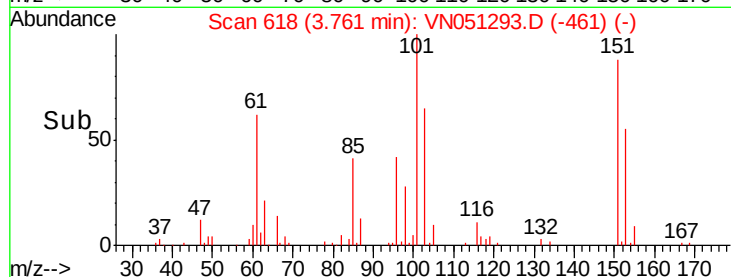
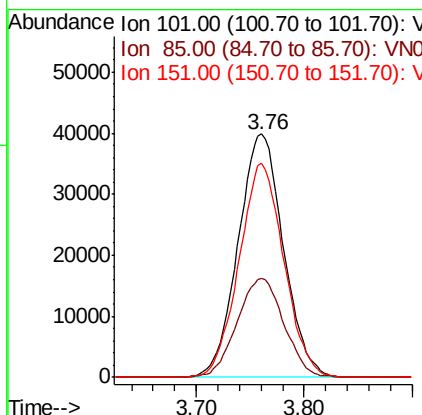
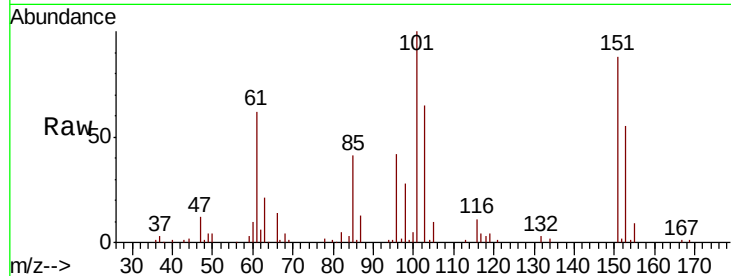
ClientSampleId :

VN0918WBSD01

Tgt Ion:	101	Resp:	116305
Ion Ratio	Lower	Upper	
101	100		
85	41.9	0.0	83.6
151	86.9	0.0	167.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 17.838 ug/l

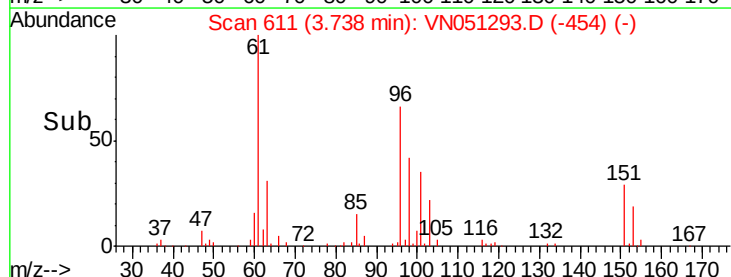
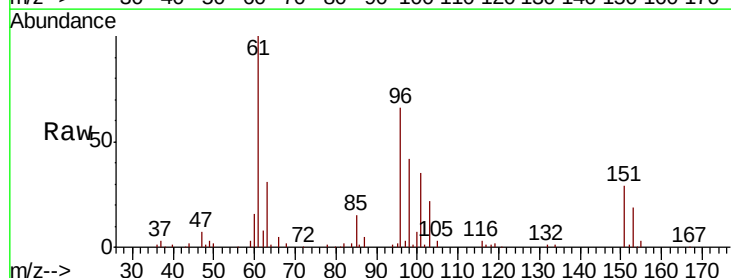
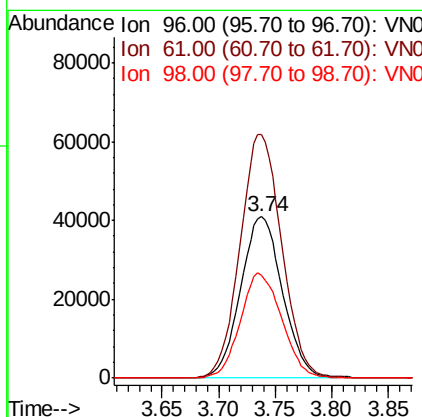
RT: 3.74 min Scan# 611

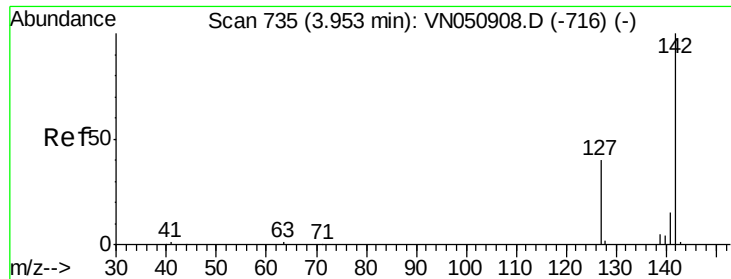
Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Tgt Ion:	96	Resp:	105433
Ion Ratio	Lower	Upper	
96	100		
61	151.0	121.8	182.8
98	63.8	52.3	78.5





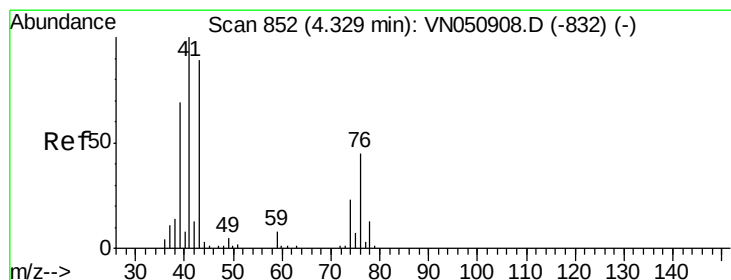
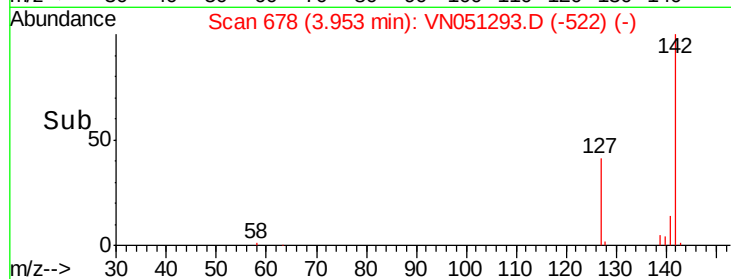
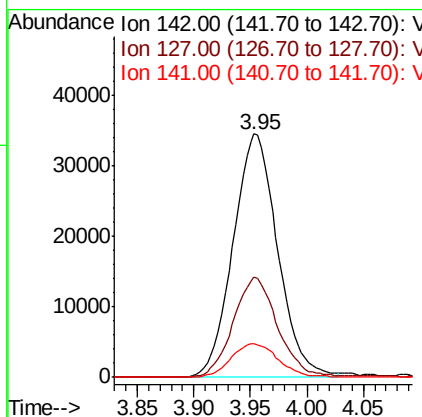
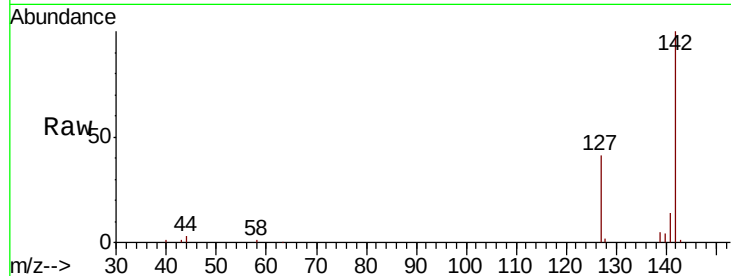
#11
Methyl Iodide
Concen: 17.144 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.9	19.7	59.1
141	14.1	7.3	22.0

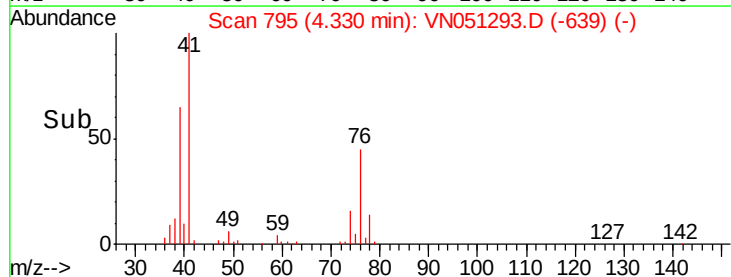
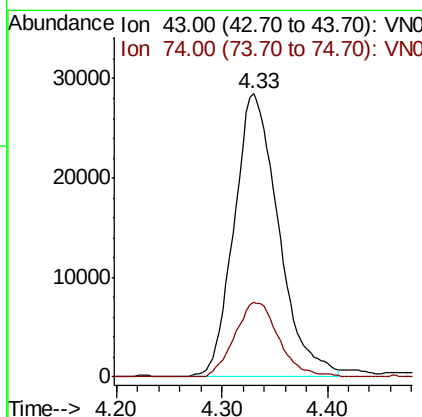
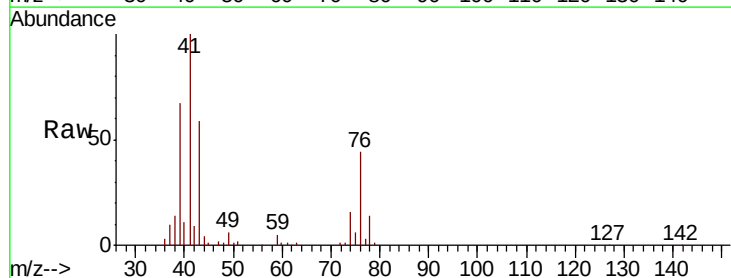
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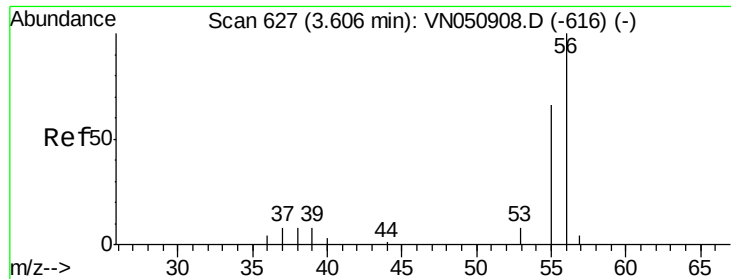
MMDadoda
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#12
Methyl Acetate
Concen: 12.224 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	20.6	31.0





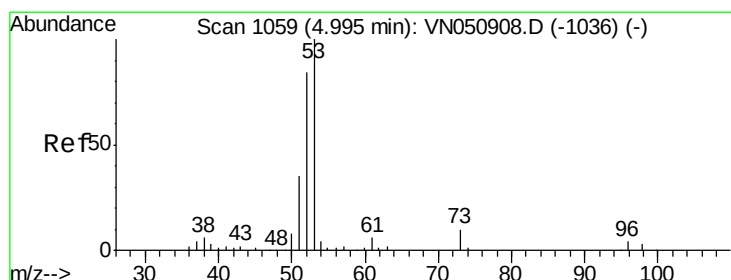
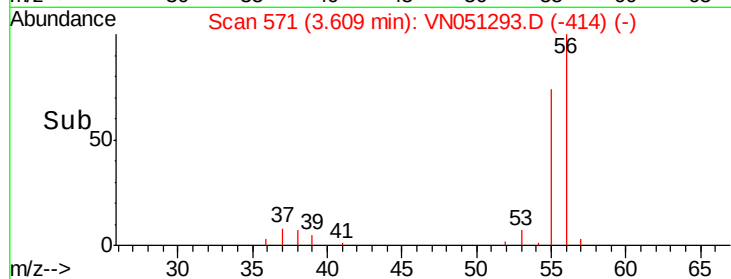
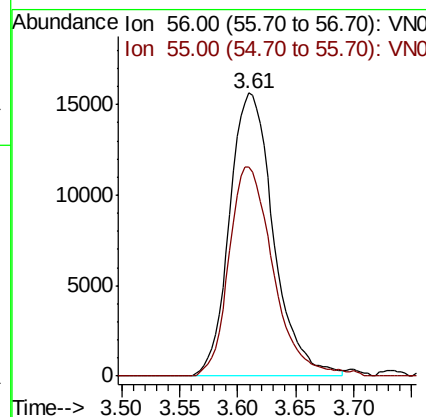
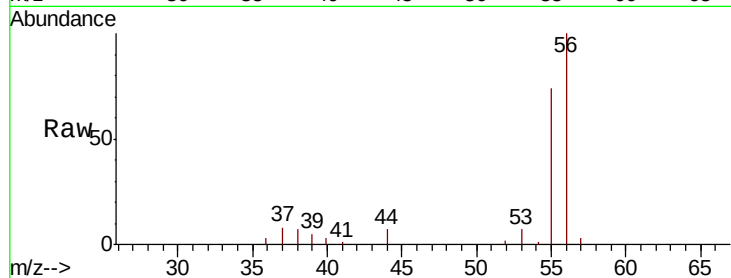
#13
 Acrolein
 Concen: 271.849 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tgt Ion: 56 Resp: 41141
 Ion Ratio Lower Upper
 56 100
 55 74.3 59.1 88.7

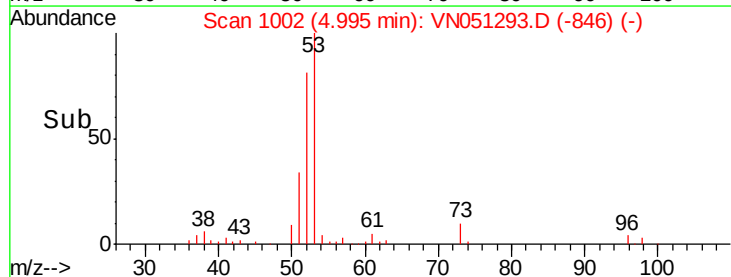
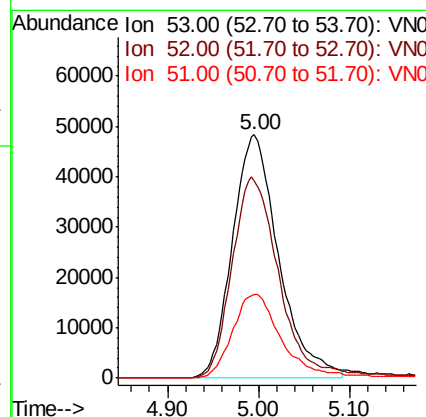
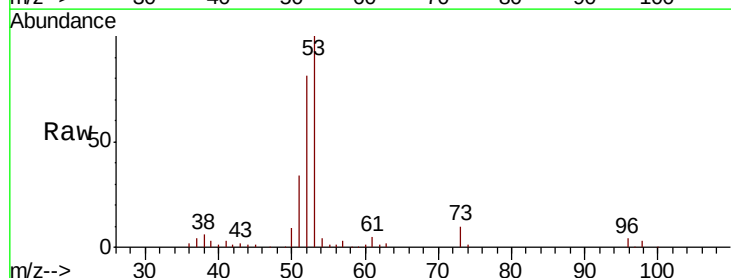
Manual Integrations
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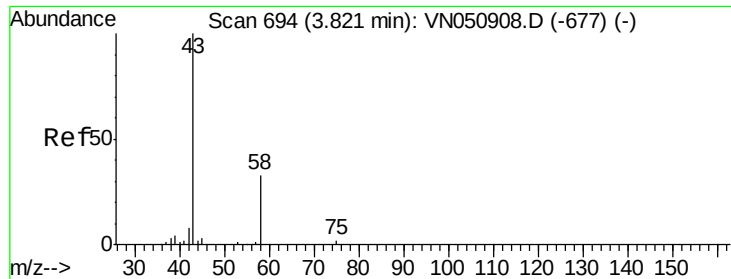
MMDadoda
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#14
 Acrylonitrile
 Concen: 73.874 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion: 53 Resp: 170707
 Ion Ratio Lower Upper
 53 100
 52 81.3 42.2 126.6
 51 35.6 17.7 53.1





#15

Acetone

Concen: 68.903 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD01

Tgt Ion: 58 Resp: 40743

Ion Ratio Lower Upper

58 100

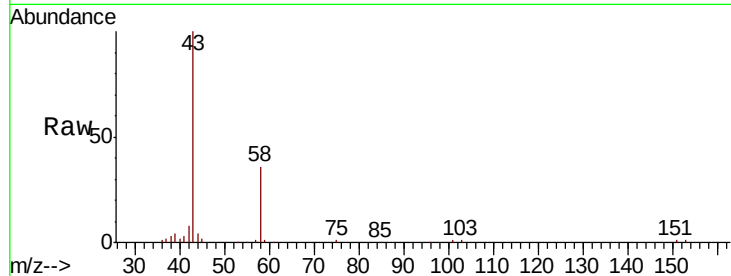
43 276.2 239.4 359.0

Manual Integrations

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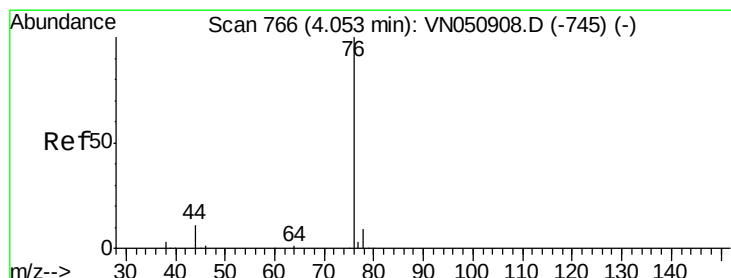
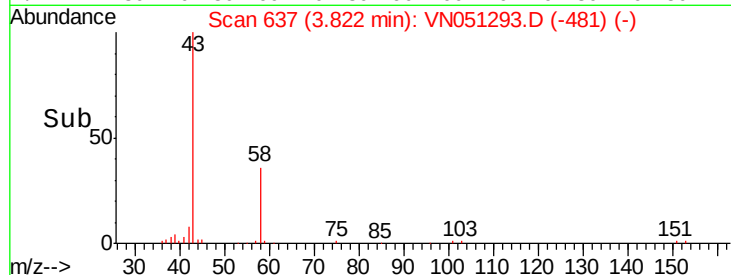
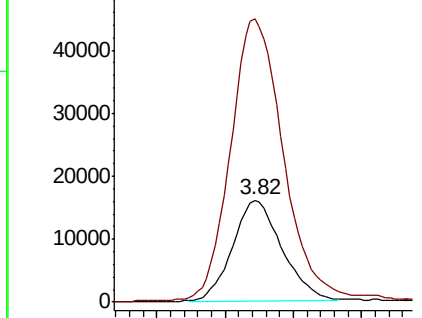
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Abundance Ion 58.00 (57.70 to 58.70): VN051293.D (-481) (-)

Ion 43.00 (42.70 to 43.70): VN051293.D (-481) (-)



#16

Carbon Disulfide

Concen: 18.017 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051293.D

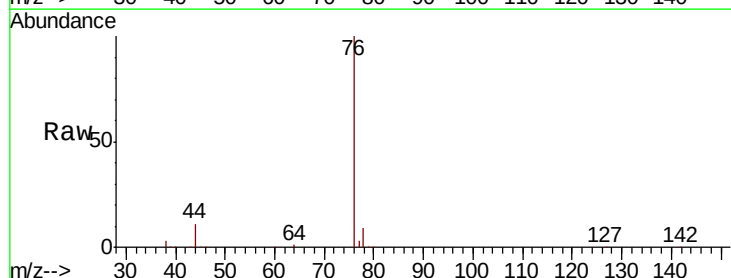
Acq: 18 Sep 2018 13:22

Tgt Ion: 76 Resp: 320196

Ion Ratio Lower Upper

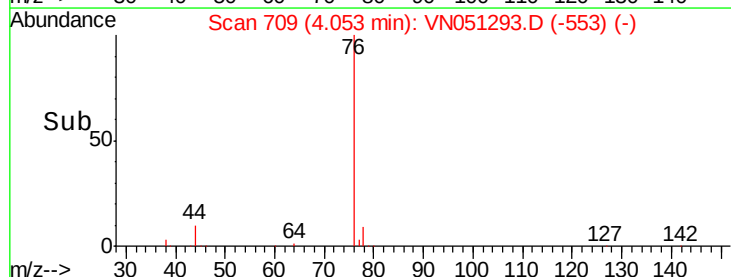
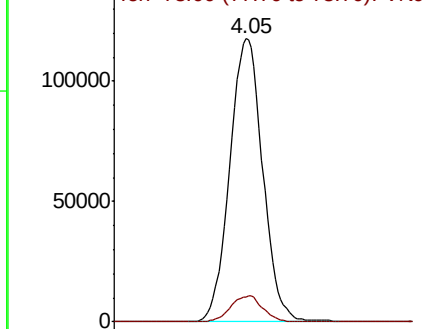
76 100

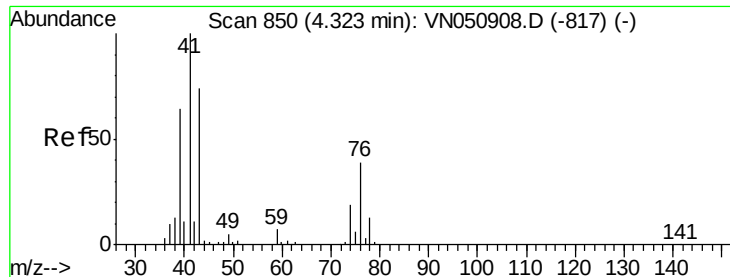
78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN051293.D (-553) (-)

Ion 78.00 (77.70 to 78.70): VN051293.D (-553) (-)





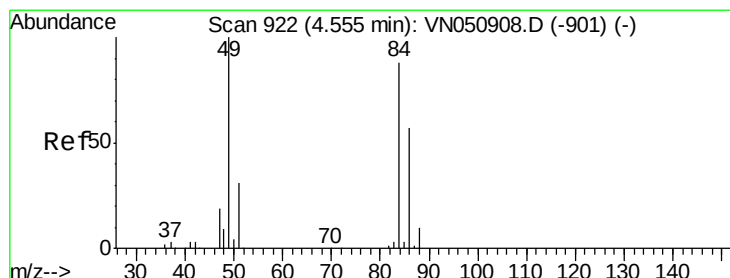
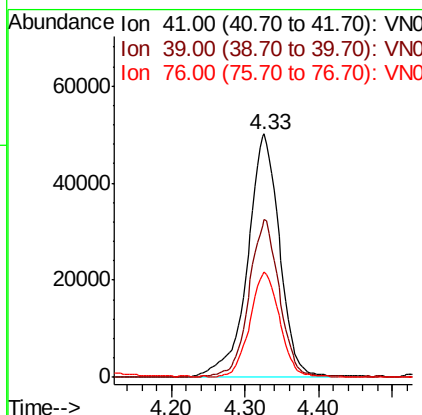
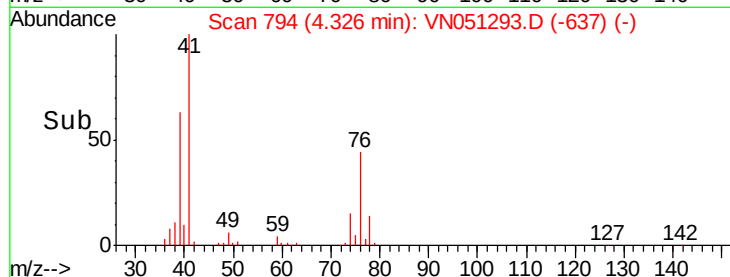
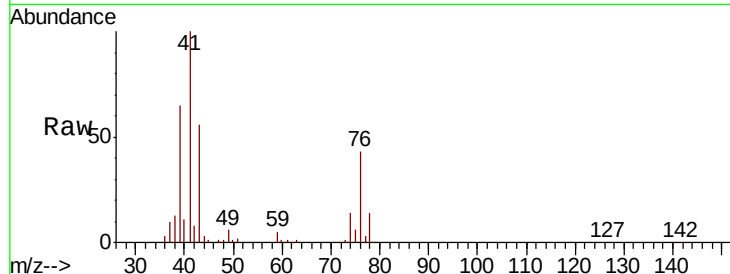
#17
 Allyl chloride
 Concen: 16.257 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.1	32.2	96.6
76	42.8	19.6	58.7

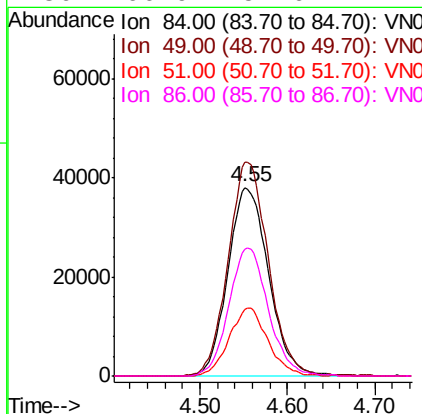
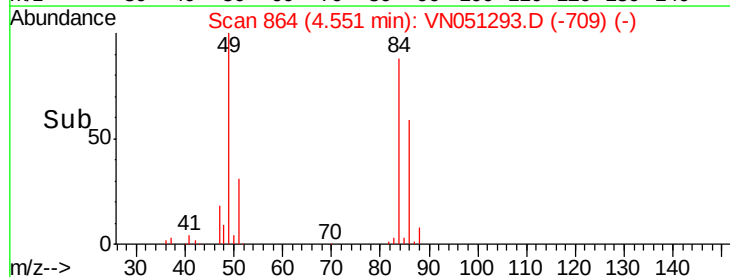
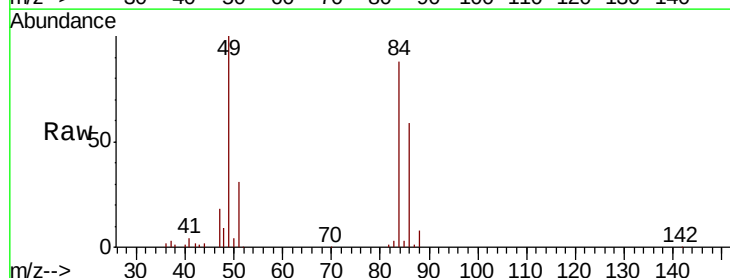
Manual Integrations
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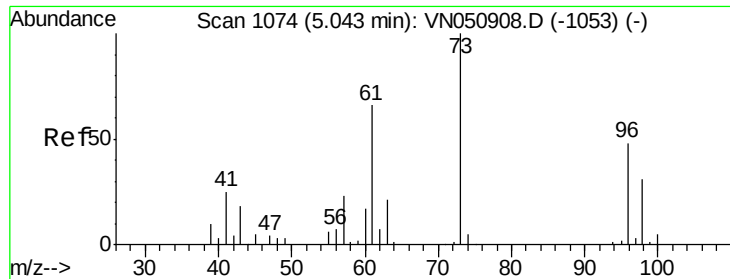
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#18
 Methylene Chloride
 Concen: 17.737 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.5	90.6	135.8
51	35.4	28.4	42.6
86	66.9	51.6	77.4





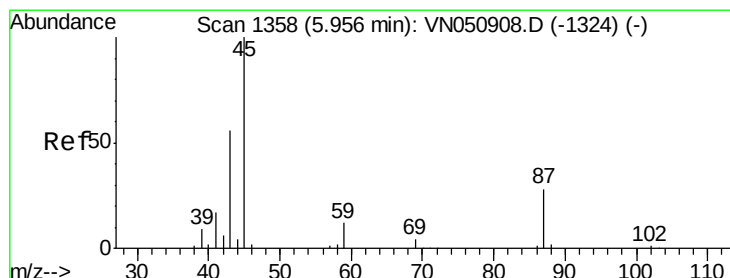
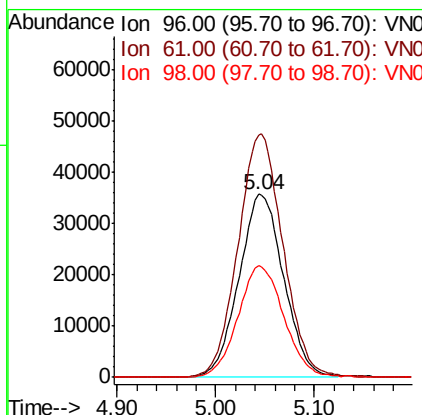
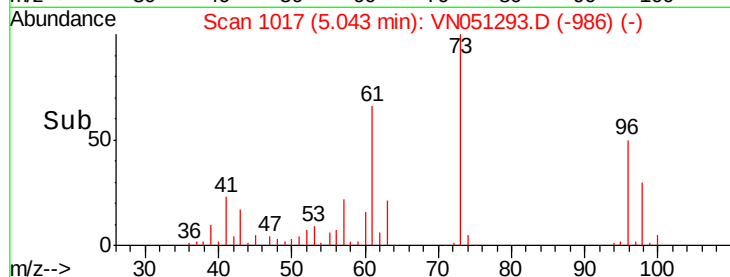
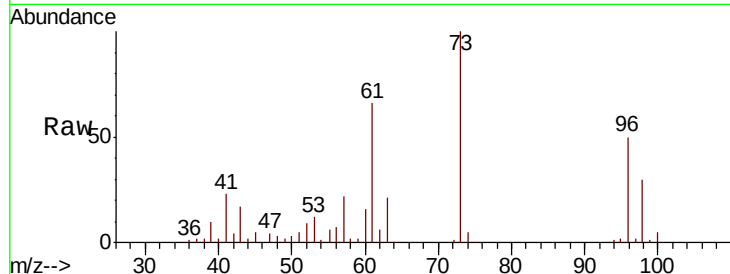
#19
trans-1,2-Dichloroethene
Concen: 17.835 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.1	109.5	164.3
98	60.8	51.9	77.9

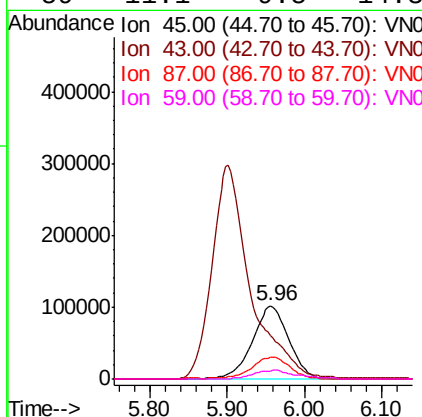
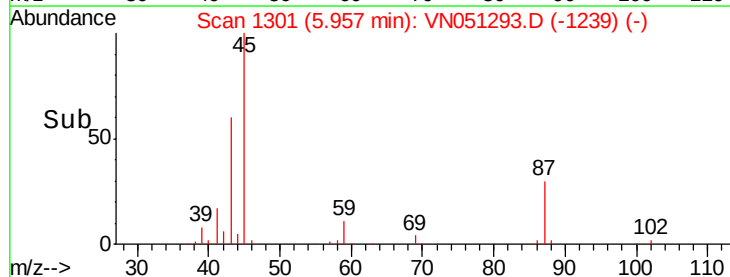
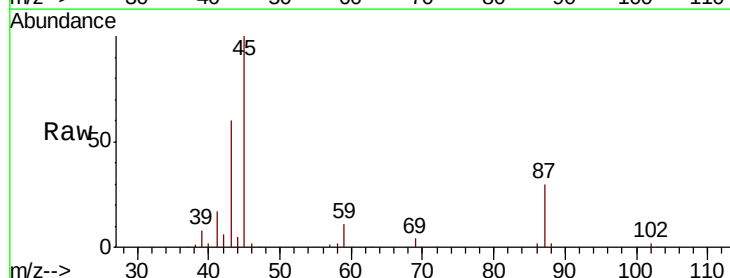
Manual Integrations
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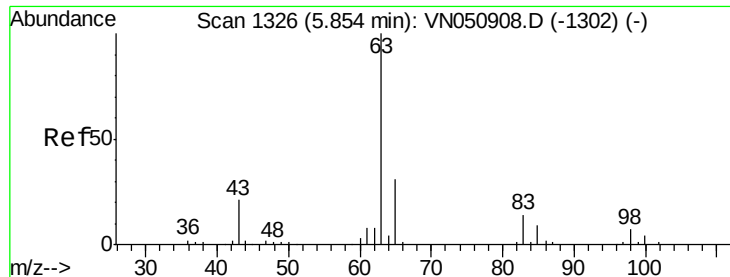
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#20
Diisopropyl ether
Concen: 17.240 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.0	47.0	70.6
87	29.6	22.8	34.2
59	11.1	9.5	14.3





#21

1,1-Dichloroethane

Concen: 17.553 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

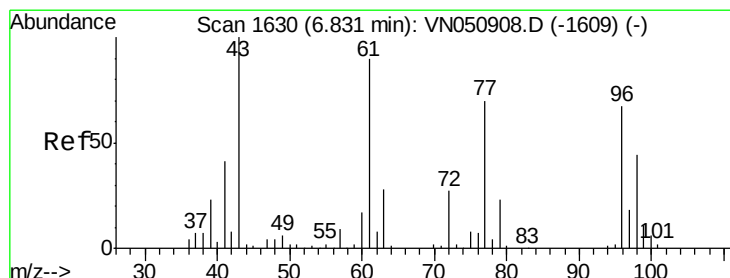
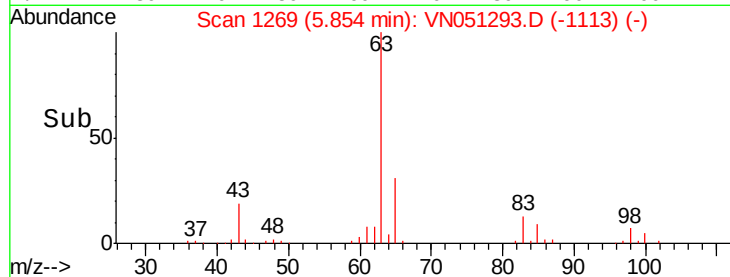
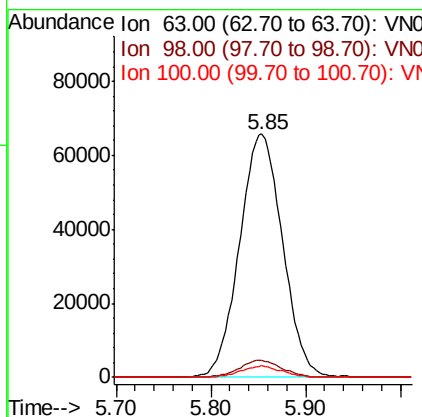
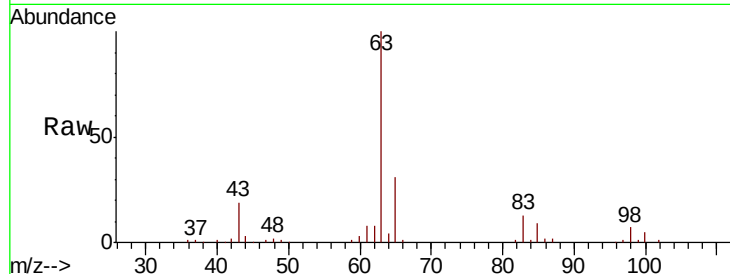
ClientSampleId :

VN0918WBSD01

Tgt Ion:	63	Resp:	207758
Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.3	9.9
100	4.7	2.0	6.0

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 17.827 ug/l

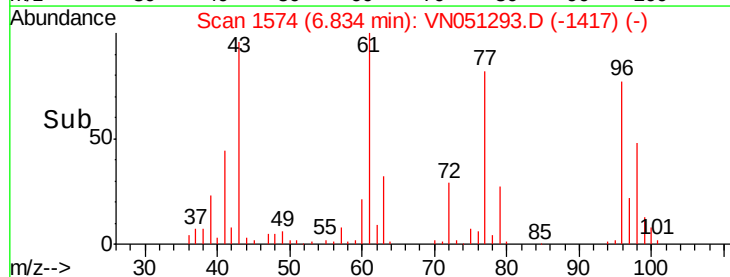
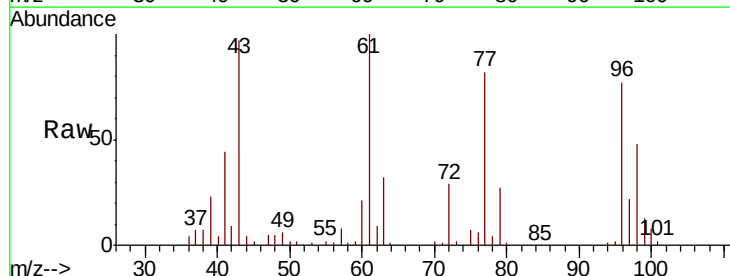
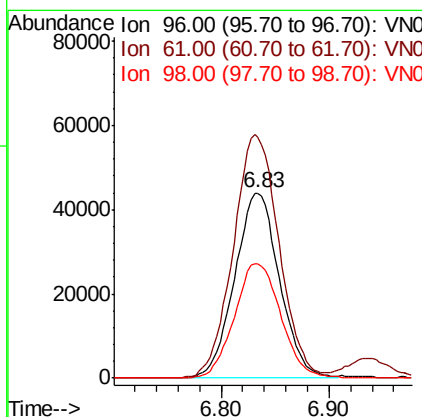
RT: 6.83 min Scan# 1574

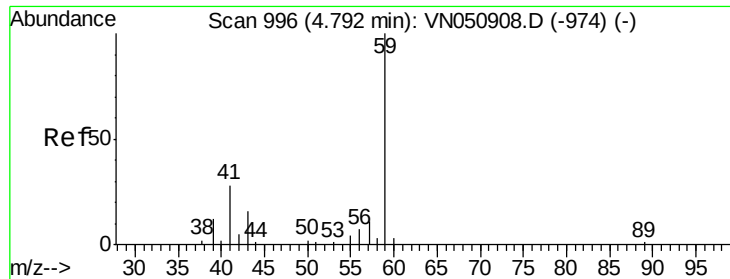
Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Tgt Ion:	96	Resp:	126814
Ion	Ratio	Lower	Upper
96	100		
61	134.9	110.0	165.0
98	64.2	51.7	77.5





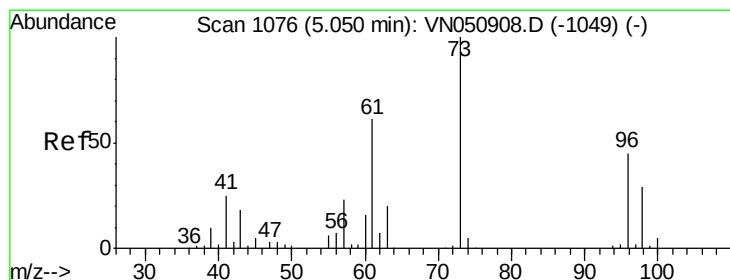
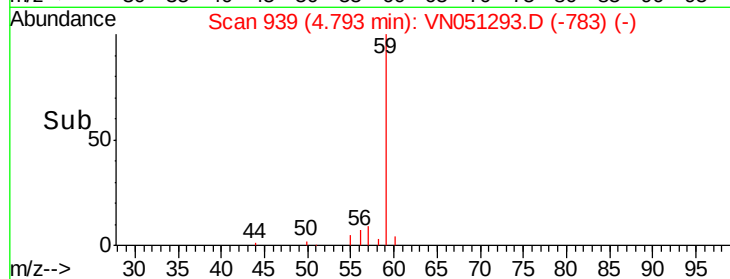
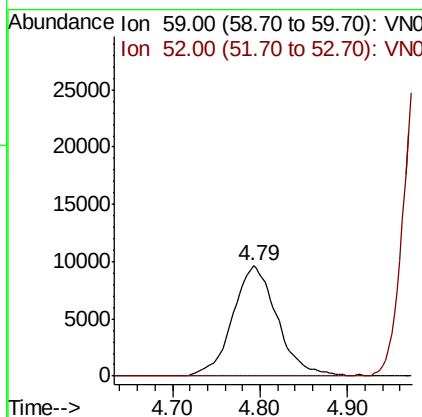
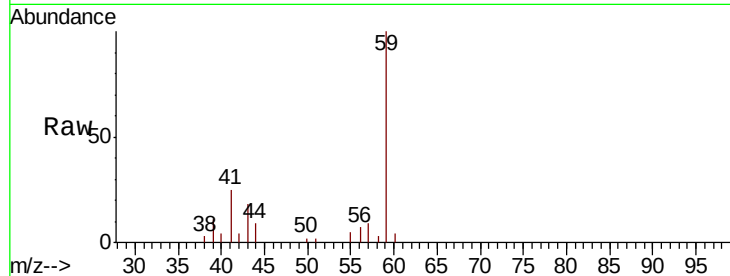
#23
 tert-Butyl Alcohol
 Concen: 68.970 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tgt Ion: 59 Resp: 33894
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

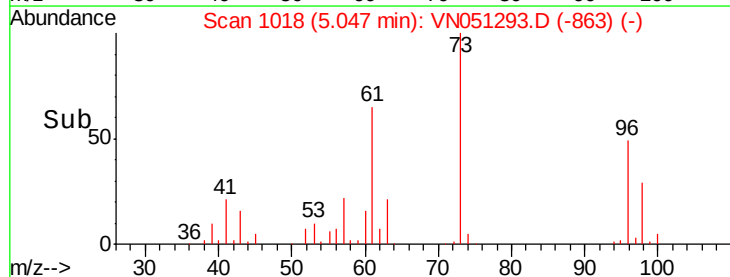
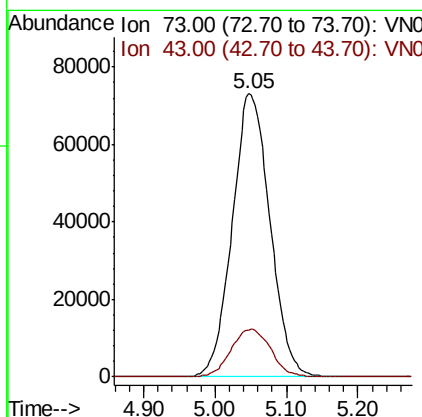
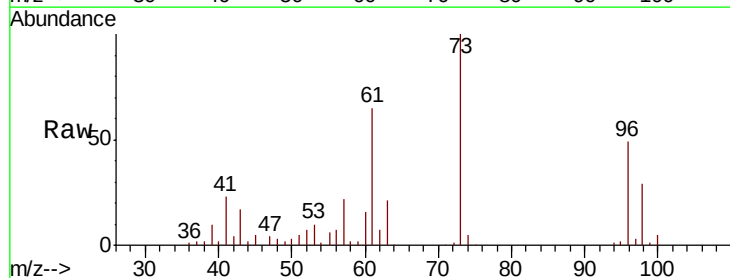
Manual Integrations
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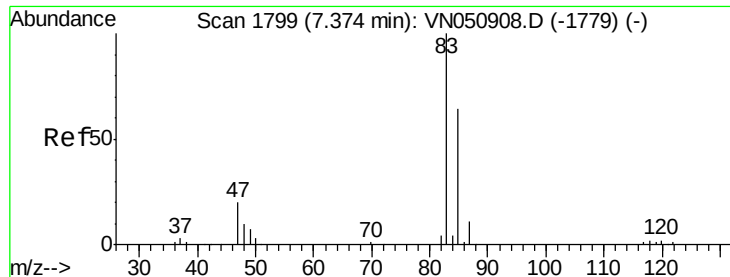
MMDadoda
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#24
 Methyl tert-Butyl Ether
 Concen: 16.633 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion: 73 Resp: 268886
 Ion Ratio Lower Upper
 73 100
 43 17.8 14.4 21.6





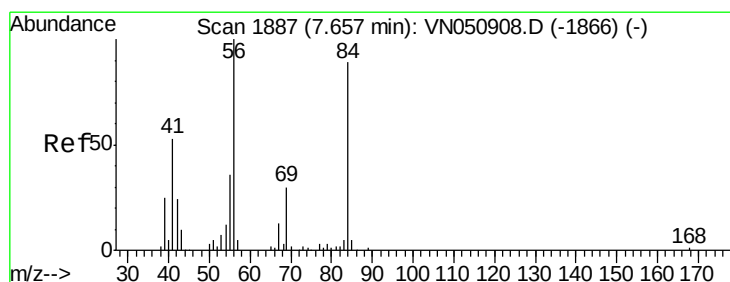
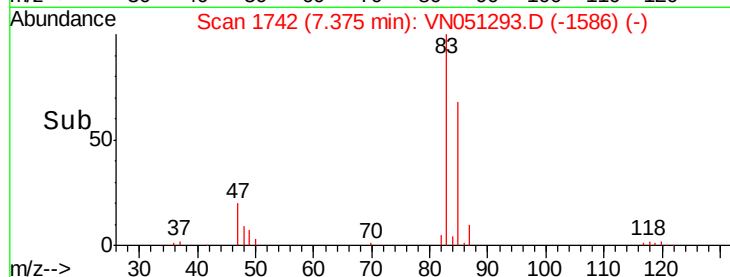
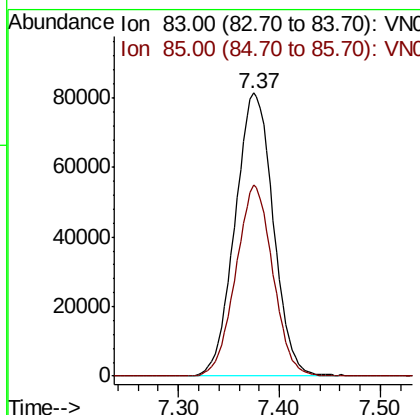
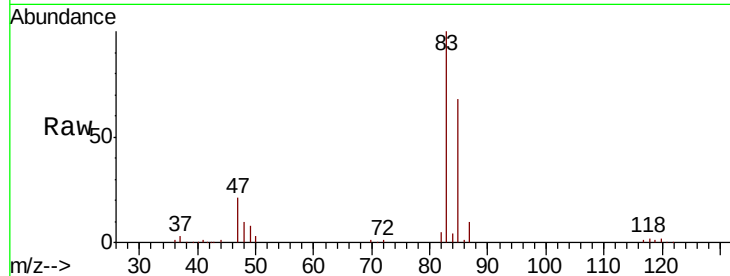
#25
Chloroform
Concen: 18.087 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tgt Ion: 83 Resp: 213672
Ion Ratio Lower Upper
83 100
85 67.5 51.4 77.0

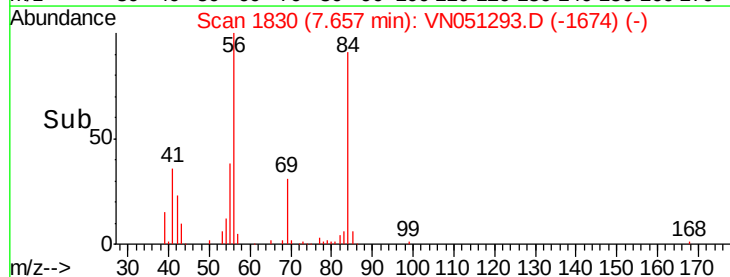
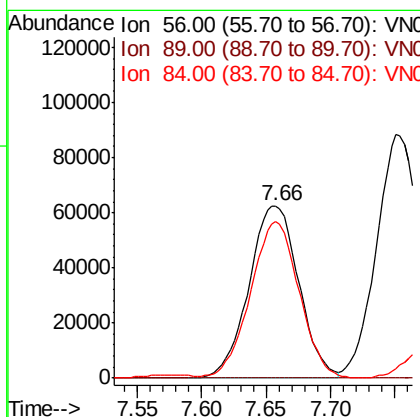
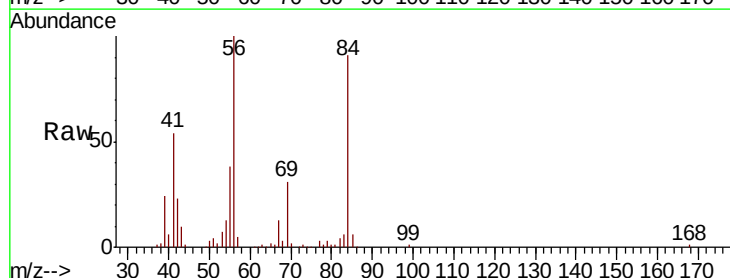
Manual Integrations
APPROVED

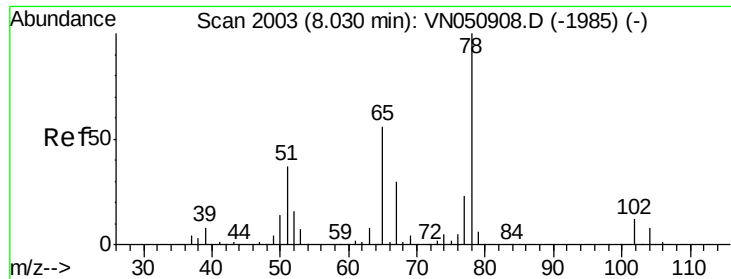
MMDadoda
9/19/2018 2:57:07 PM



#26
Cyclohexane
Concen: 17.099 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion: 56 Resp: 167672
Ion Ratio Lower Upper
56 100
89 0.0 0.4 0.6#
84 87.9 70.4 105.6





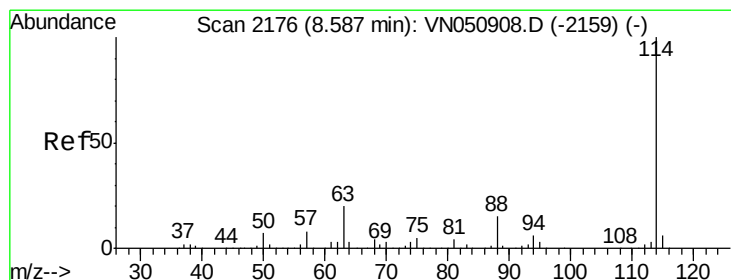
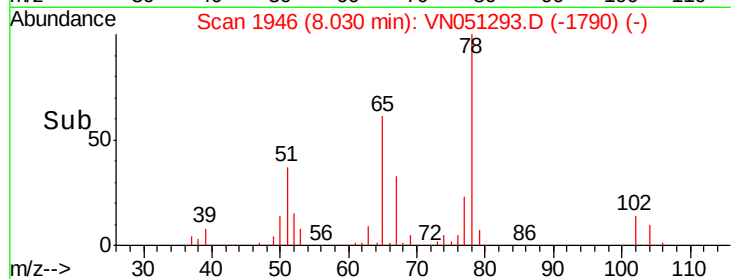
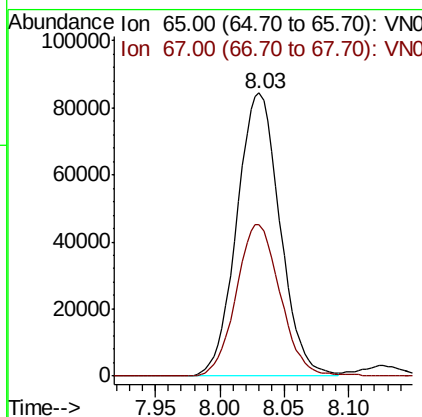
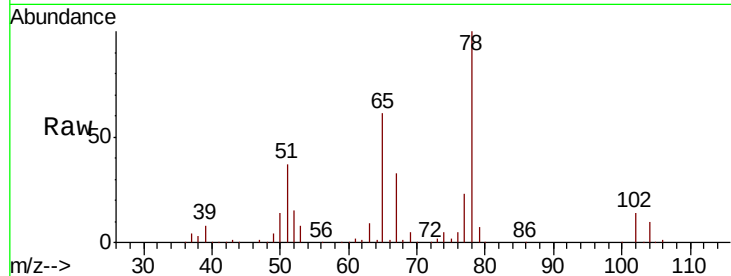
#27
 1,2-Dichloroethane-d4
 Concen: 28.193 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tgt Ion: 65 Resp: 196792
 Ion Ratio Lower Upper
 65 100
 67 54.4 43.7 65.5

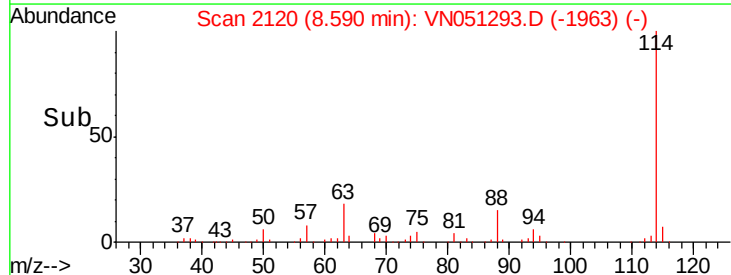
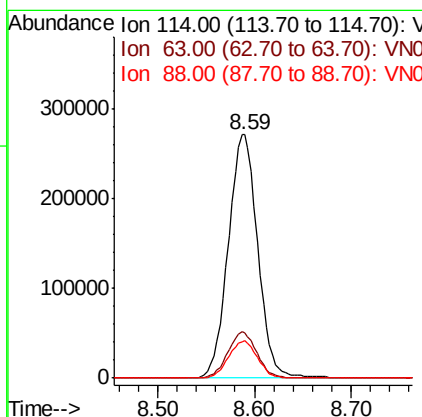
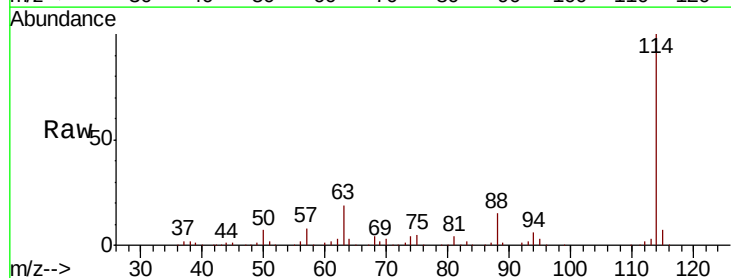
Manual Integrations
 APPROVED

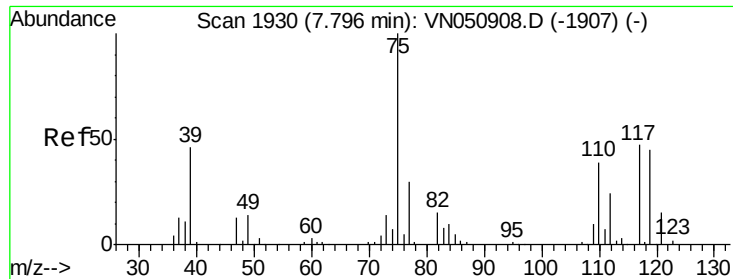
MMDadoda
 9/19/2018 2:57:07 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion: 114 Resp: 573482
 Ion Ratio Lower Upper
 114 100
 63 18.6 15.6 23.4
 88 15.2 12.2 18.4





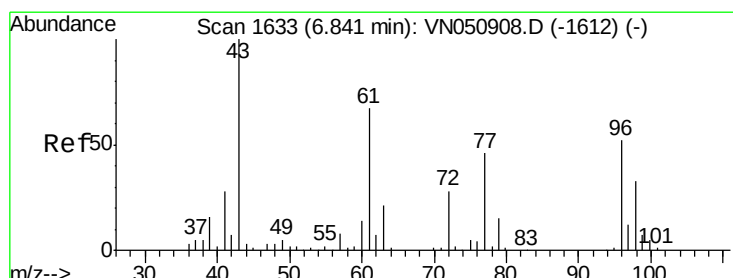
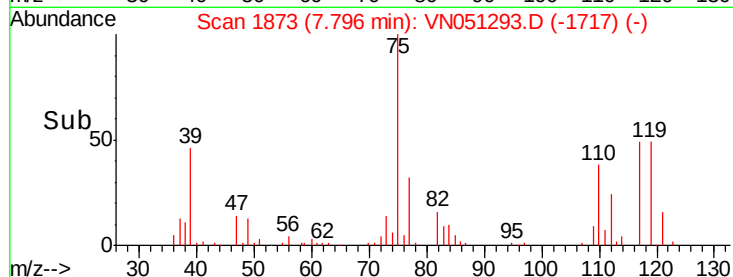
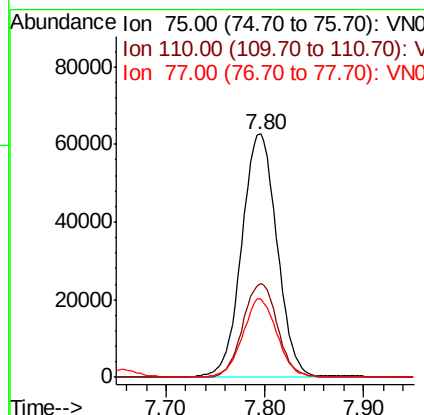
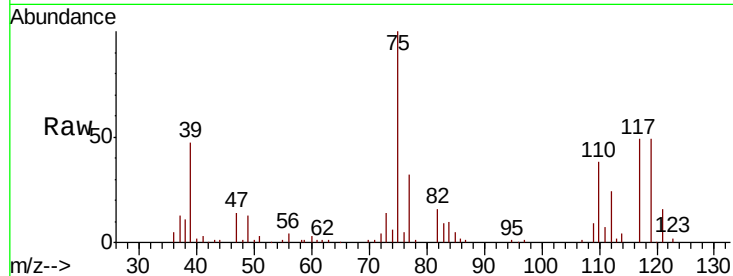
#29
 1,1-Dichloropropene
 Concen: 18.133 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	37.6	0.0	75.0
77	31.7	0.0	60.6

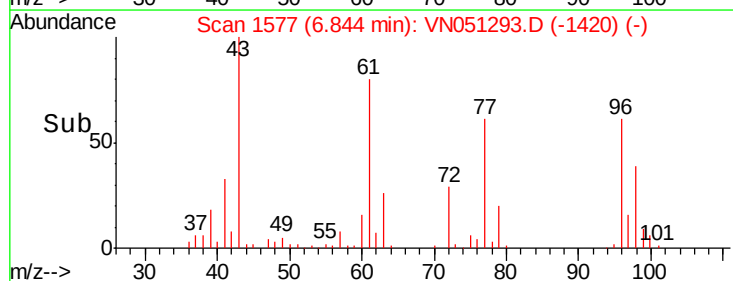
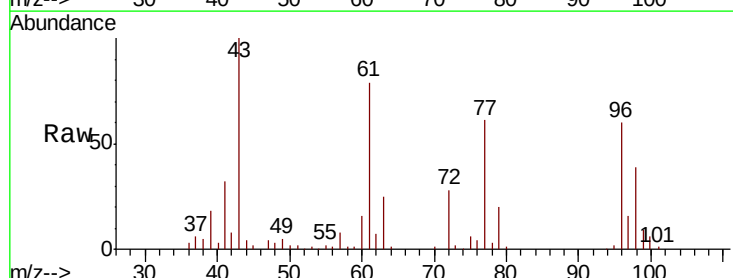
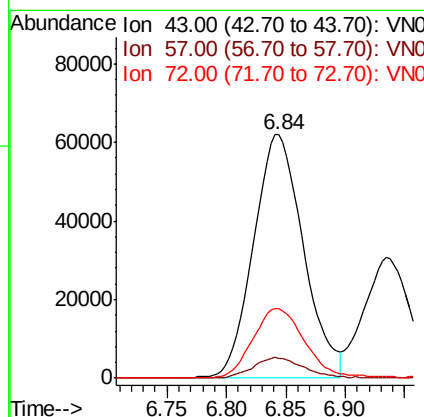
Manual Integrations
 APPROVED

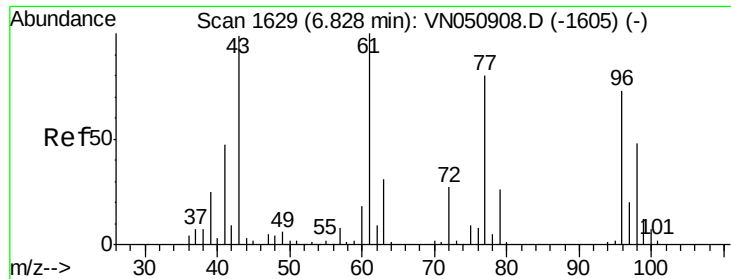
MMDadoda
 9/19/2018 2:57:07 PM



#30
 2-Butanone
 Concen: 68.215 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	8.5	6.9	10.3
72	29.7	22.8	34.2





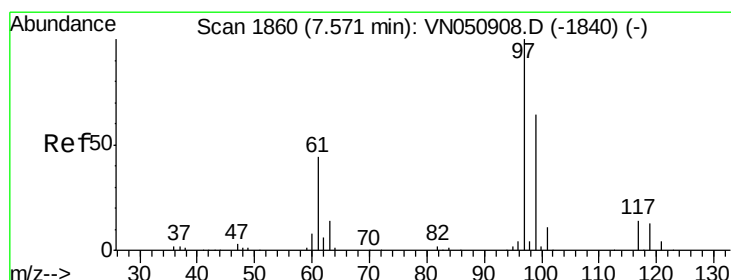
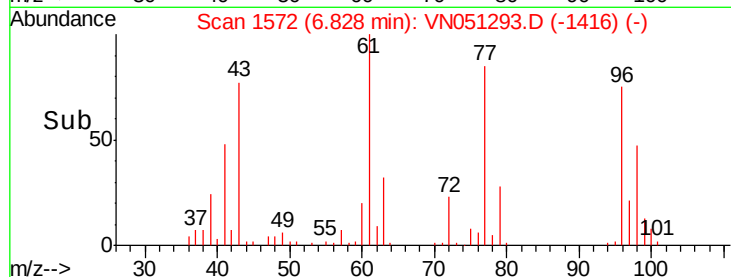
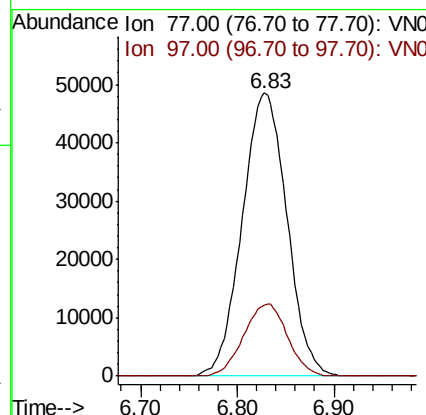
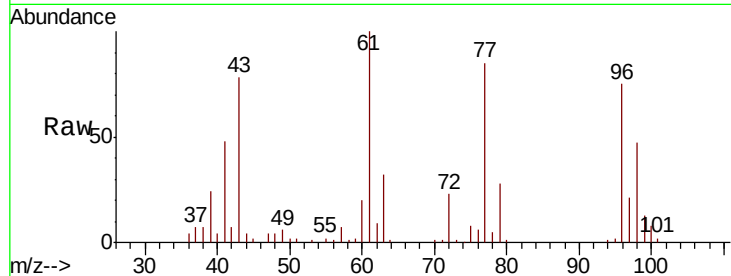
#31
 2,2-Dichloropropane
 Concen: 18.643 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tgt Ion: 77 Resp: 155749
 Ion Ratio Lower Upper
 77 100
 97 25.0 20.2 30.2

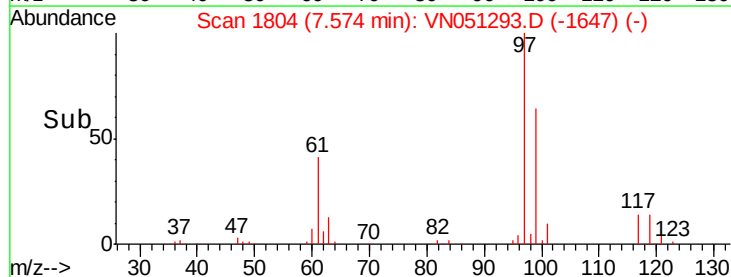
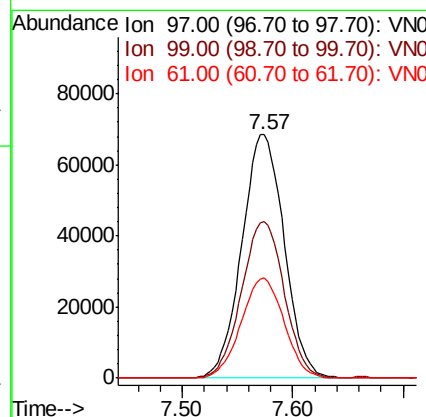
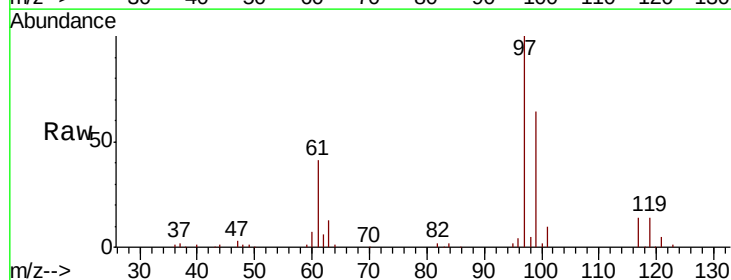
Manual Integrations
 APPROVED

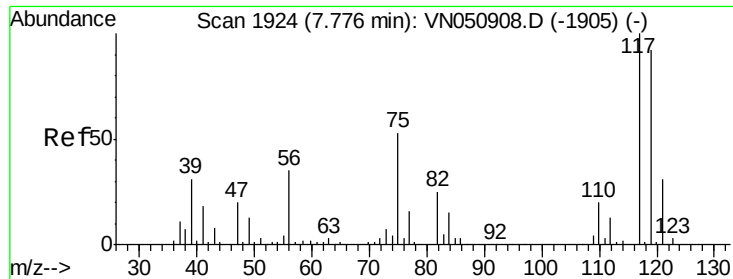
MMDadoda
 9/19/2018 2:57:07 PM



#32
 1,1,1-Trichloroethane
 Concen: 18.761 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion: 97 Resp: 182652
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.0 78.0
 61 41.5 35.0 52.6





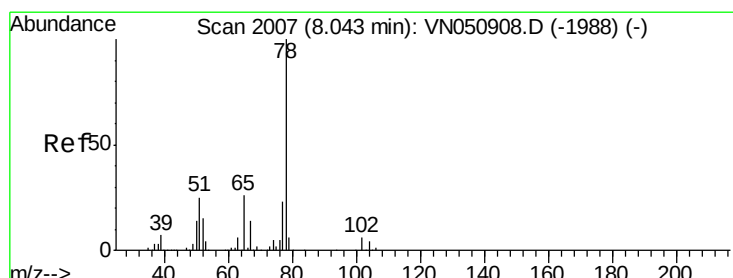
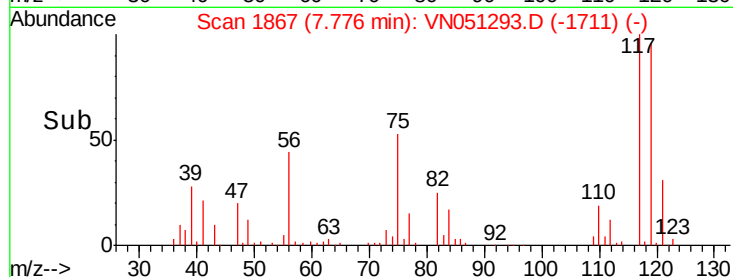
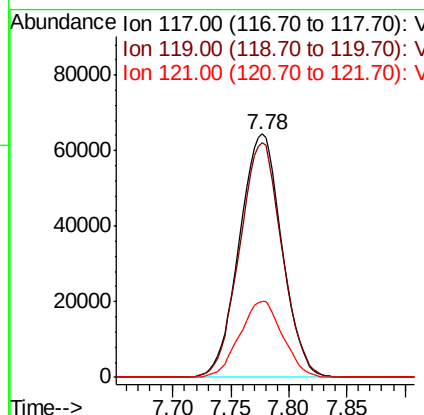
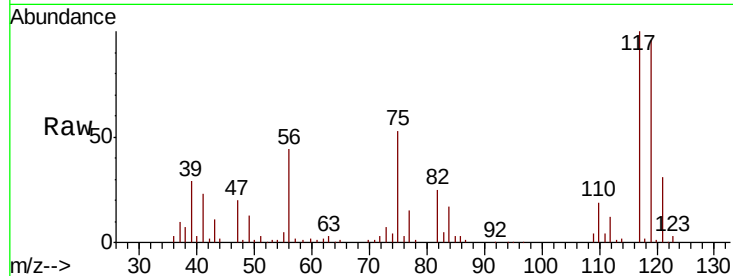
#33
Carbon Tetrachloride
Concen: 18.760 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tgt Ion: 117 Resp: 164484
Ion Ratio Lower Upper
117 100
119 96.4 73.5 110.3
121 31.0 24.6 37.0

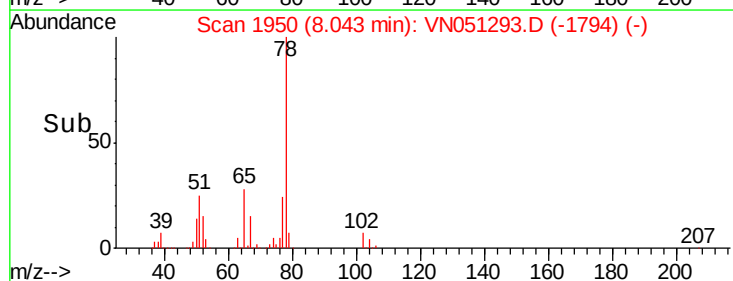
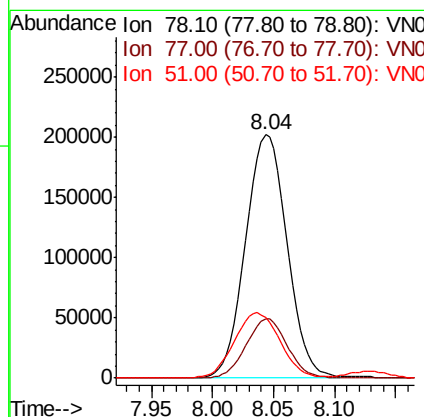
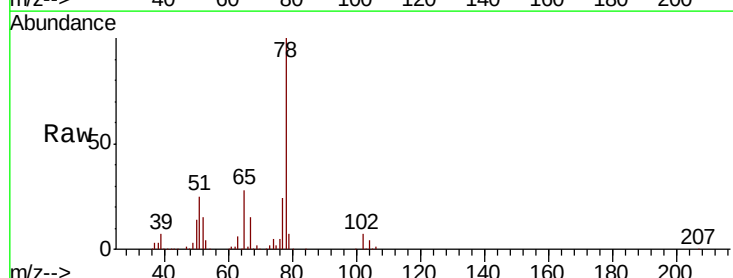
Manual Integrations
APPROVED

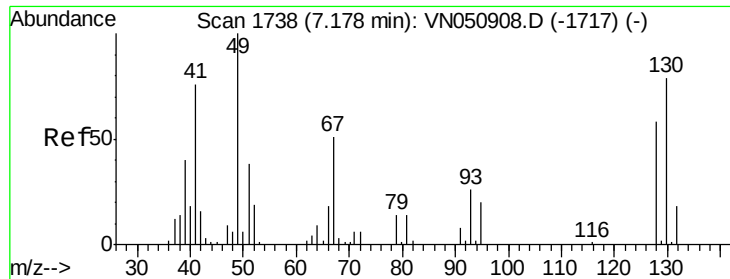
MMDadoda
9/19/2018 2:57:07 PM



#34
Benzene
Concen: 17.947 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion: 78 Resp: 476674
Ion Ratio Lower Upper
78 100
77 24.3 18.6 28.0
51 24.6 20.0 30.0





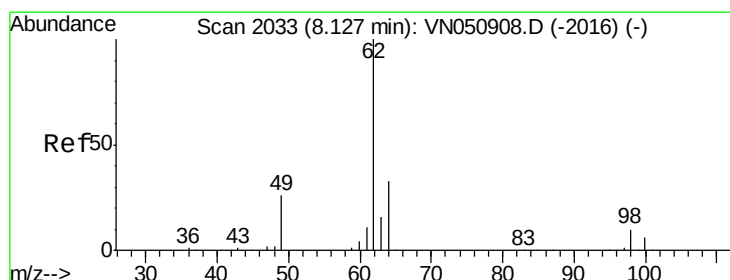
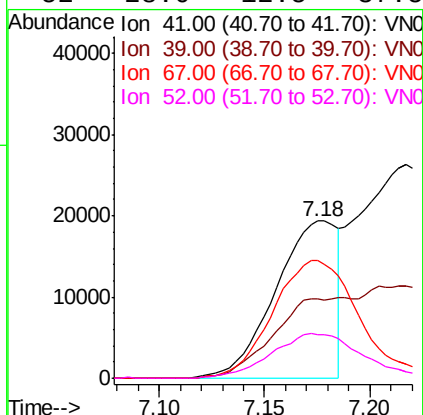
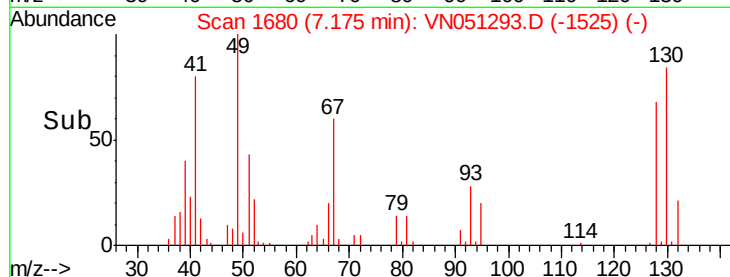
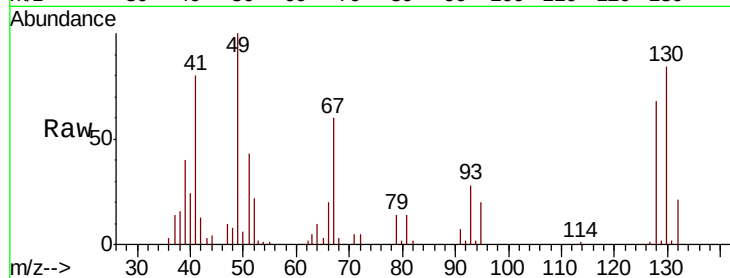
#35
Methacrylonitrile
Concen: 13.667 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	50.3	26.2	78.5
67	75.1	33.9	101.6
52	28.0	12.5	37.5

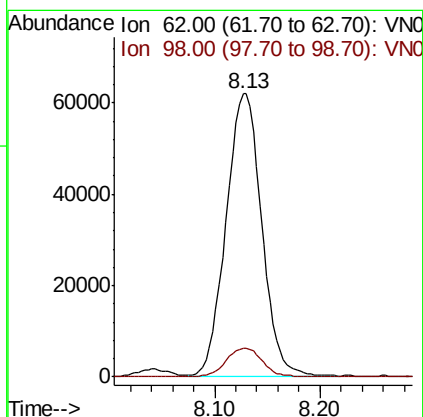
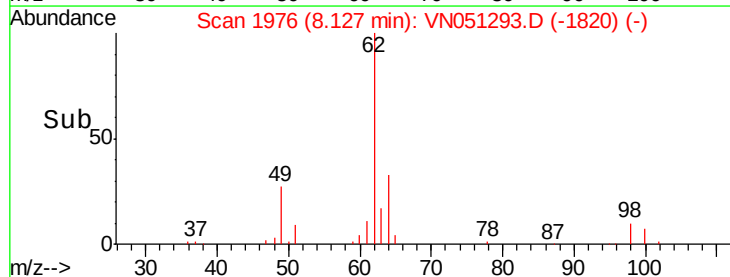
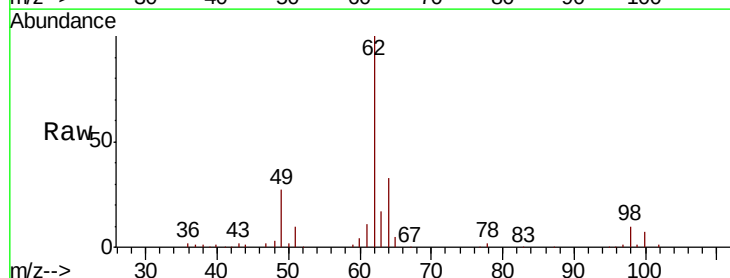
Manual Integrations
APPROVED

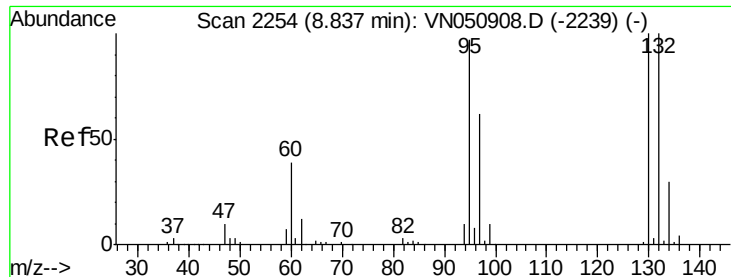
MMDadoda
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#36
1,2-Dichloroethane
Concen: 18.172 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	8.0	12.0





#37

Trichloroethene

Concen: 18.869 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0918WBSD01

Tgt Ion:130 Resp: 130991

Ion Ratio Lower Upper

130 100

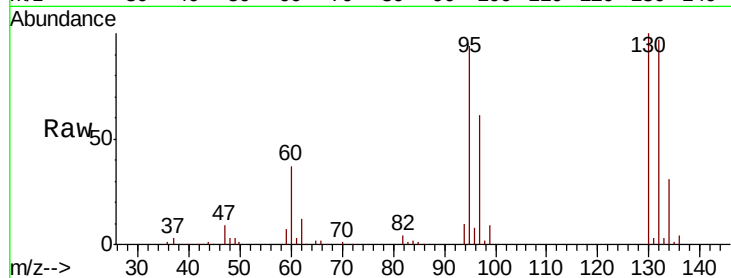
95 94.0 77.4 116.0

Manual Integrations

APPROVED

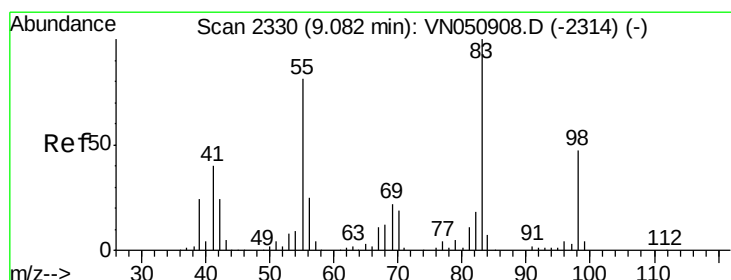
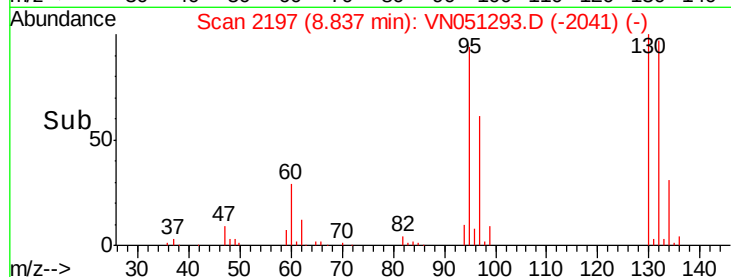
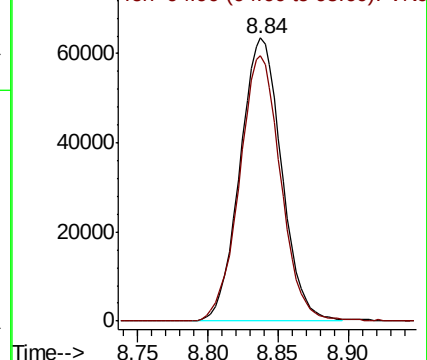
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 17.878 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

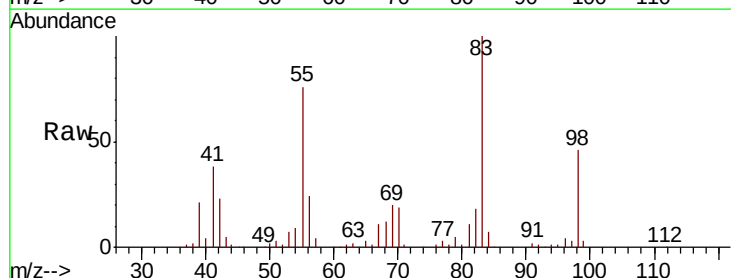
Tgt Ion: 83 Resp: 164856

Ion Ratio Lower Upper

83 100

55 74.5 38.9 116.7

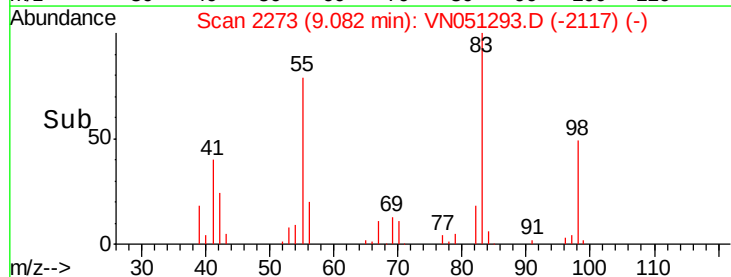
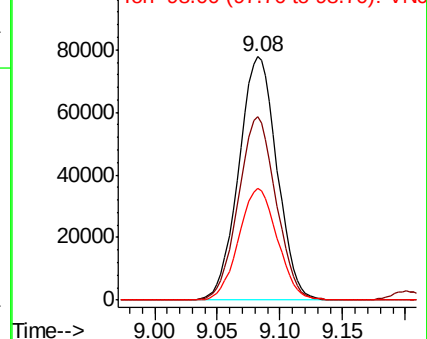
98 46.4 22.9 68.7

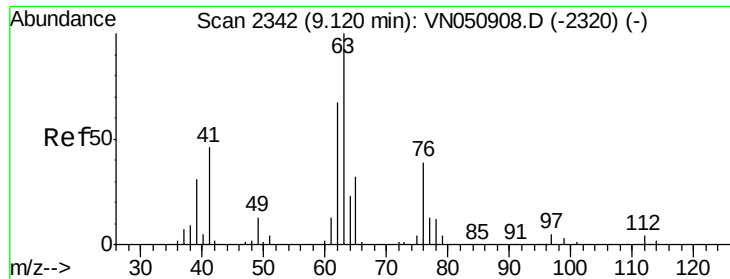


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





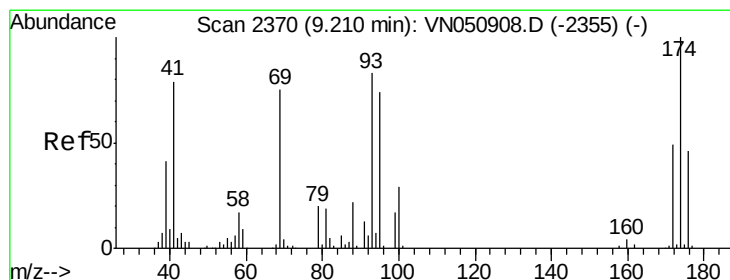
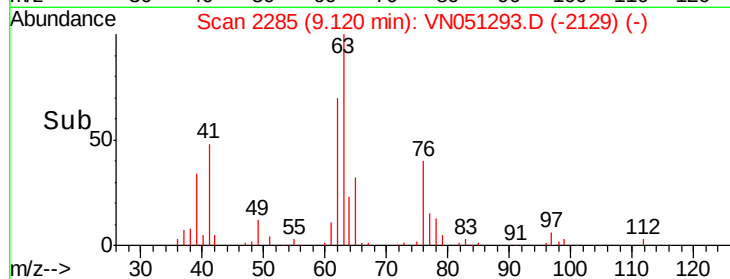
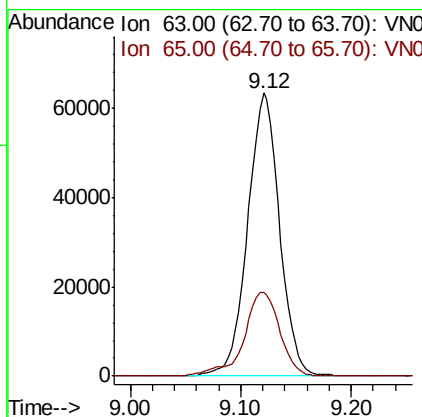
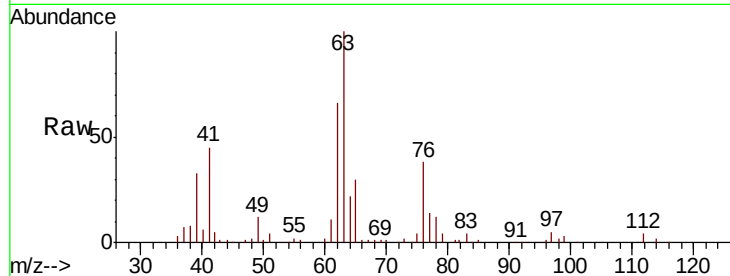
#39
 1,2-Dichloropropane
 Concen: 18.306 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tgt Ion: 63 Resp: 126986
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.6 38.4

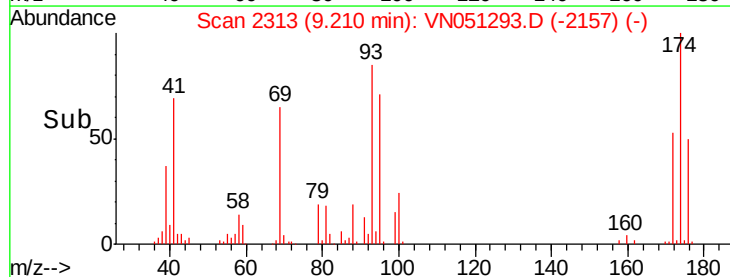
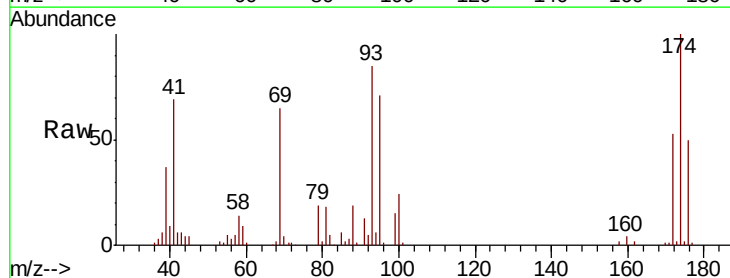
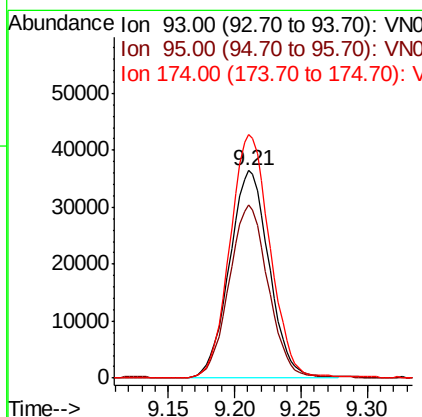
Manual Integrations
 APPROVED

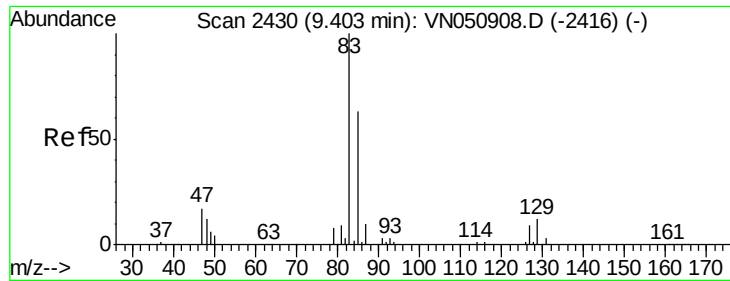
MMDadoda
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#40
 Dibromomethane
 Concen: 18.177 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion: 93 Resp: 75953
 Ion Ratio Lower Upper
 93 100
 95 81.8 0.0 173.4
 174 118.1 0.0 234.8





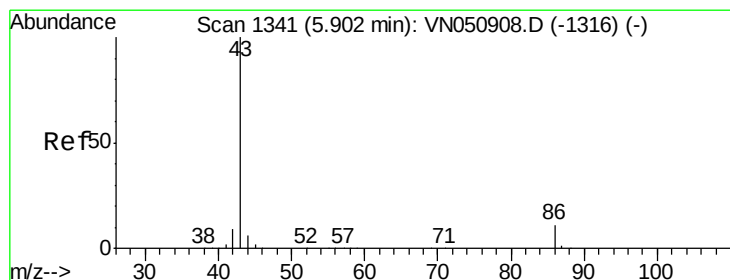
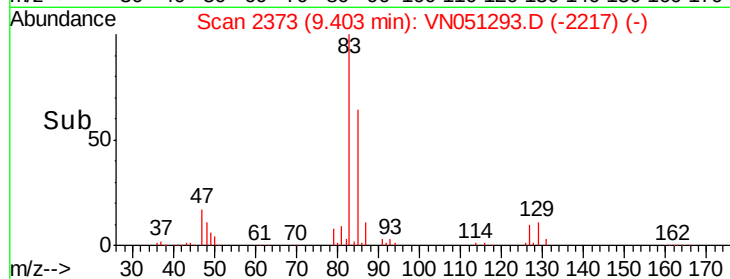
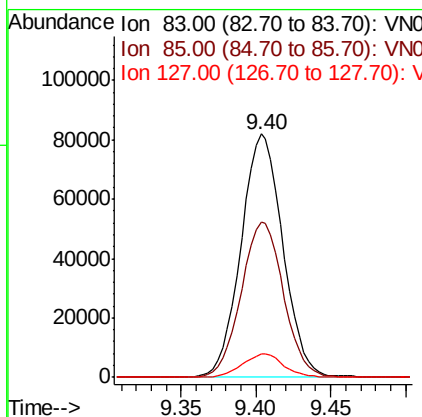
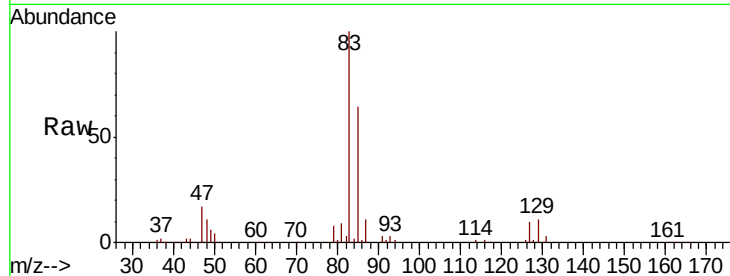
#41
Bromodichloromethane
Concen: 18.077 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	76.0
127	9.6	7.1	10.7

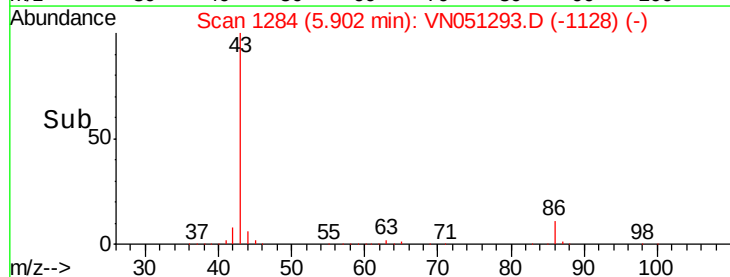
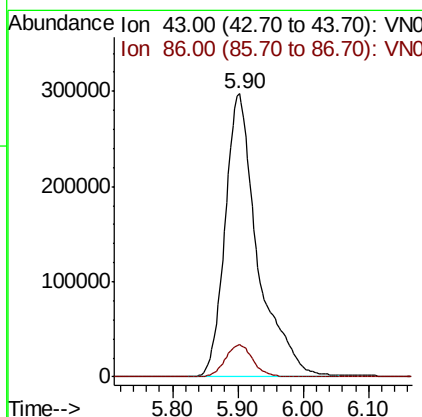
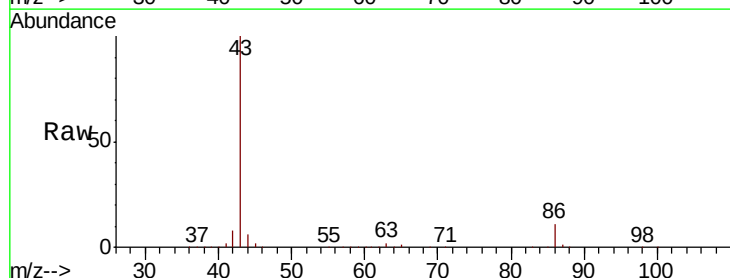
Manual Integrations
APPROVED

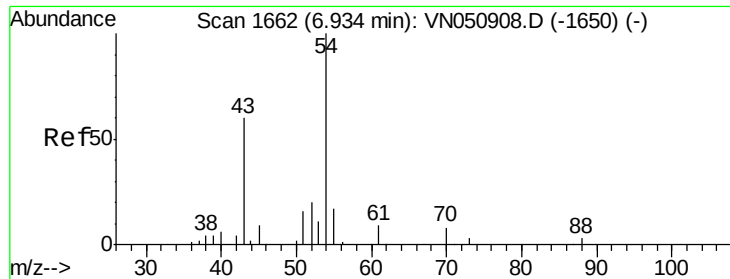
MMDadoda
9/19/2018 2:57:07 PM



#42
Vinyl Acetate
Concen: 84.670 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.2	10.8





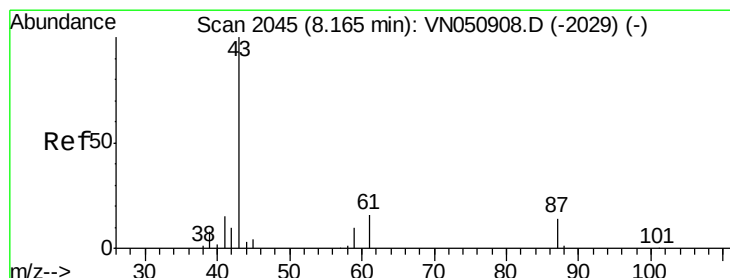
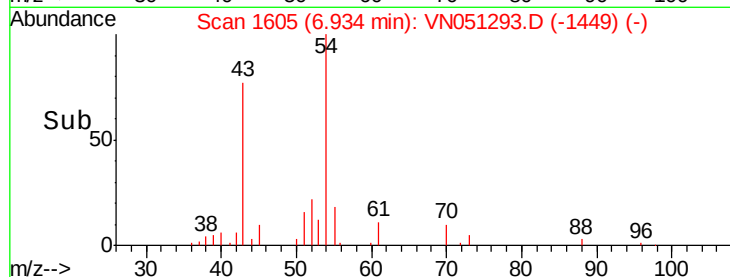
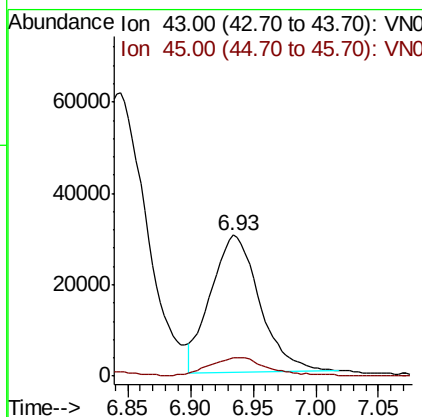
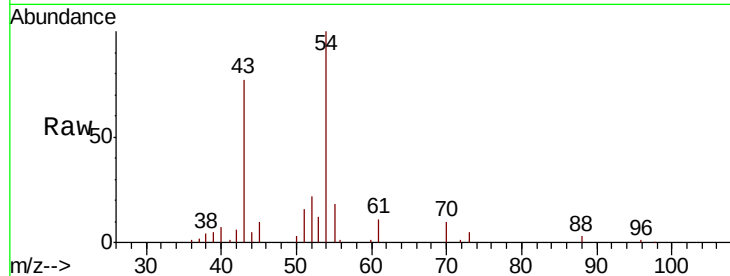
#43
Ethyl Acetate
Concen: 15.091 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tgt Ion: 43 Resp: 81652
Ion Ratio Lower Upper
43 100
45 14.0 10.2 15.2

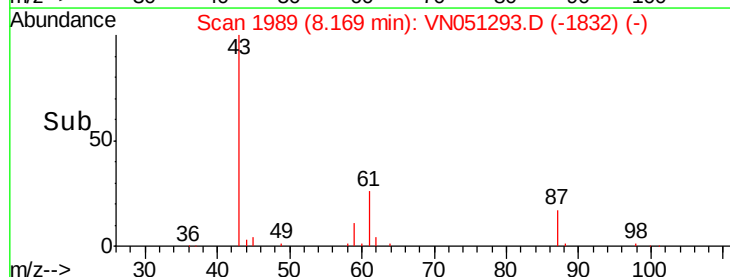
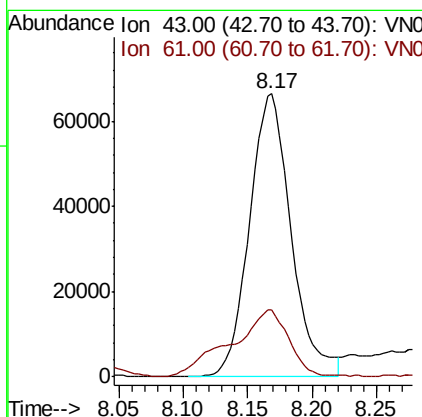
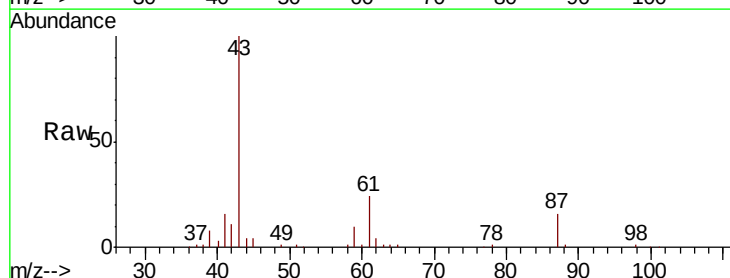
Manual Integrations
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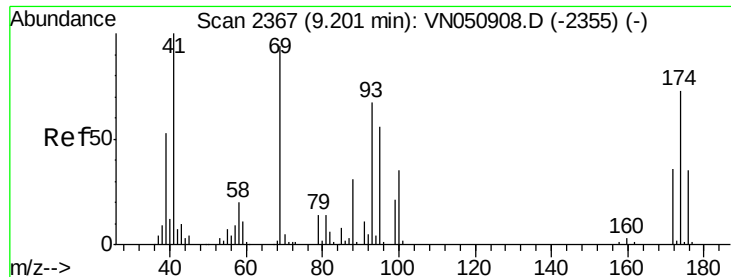
MMDadoda
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#44
Isopropyl Acetate
Concen: 15.710 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion: 43 Resp: 149993
Ion Ratio Lower Upper
43 100
61 32.0 16.3 24.5#





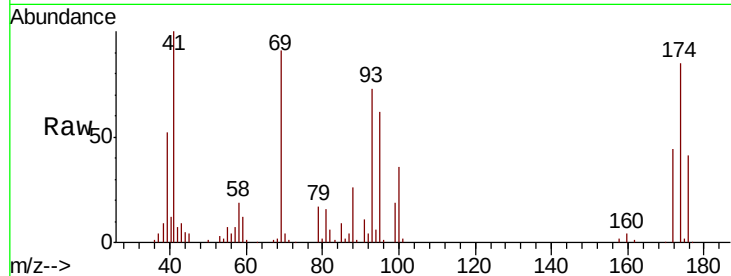
#45
1,4-Dioxane
Concen: 293.868 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.5	23.5	35.3
58	70.9	55.2	82.8

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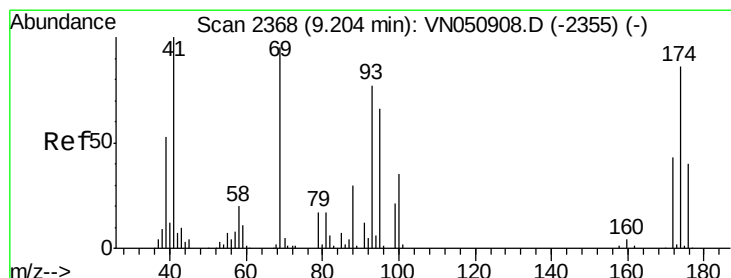
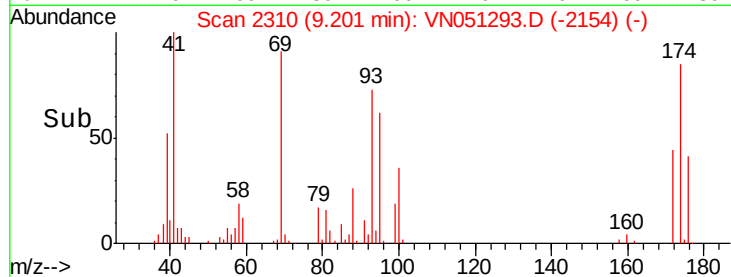
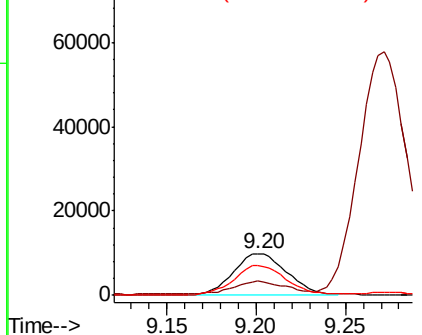


Abundance

Ion 88.00 (87.70 to 88.70): VN0

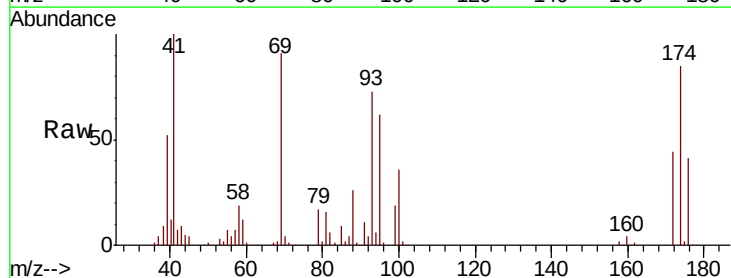
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
Methyl methacrylate
Concen: 14.591 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.9	47.4	142.2
39	51.7	26.6	79.7

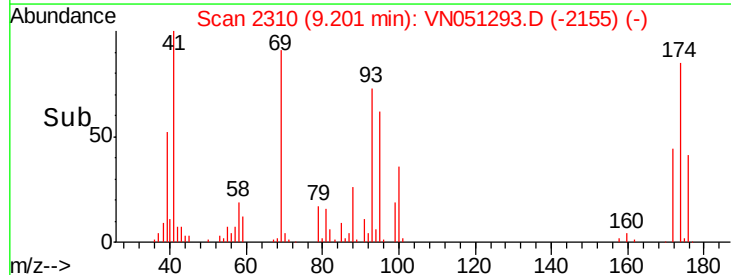
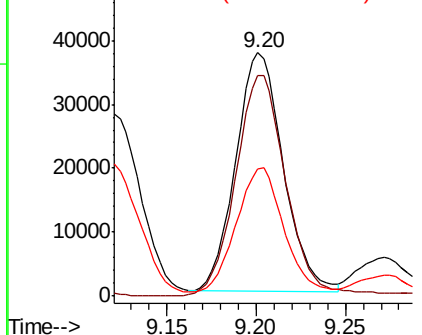


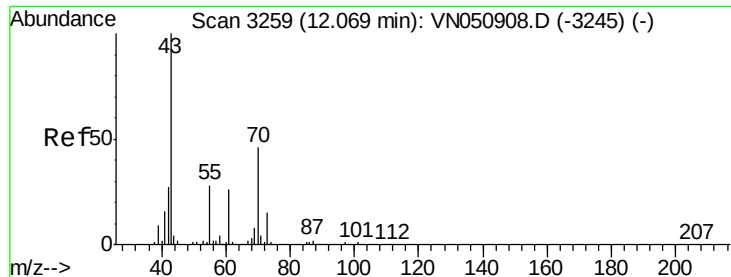
Abundance

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: 12.886 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBSD01

Tgt Ion: 43 Resp: 98914

Ion Ratio Lower Upper

43 100

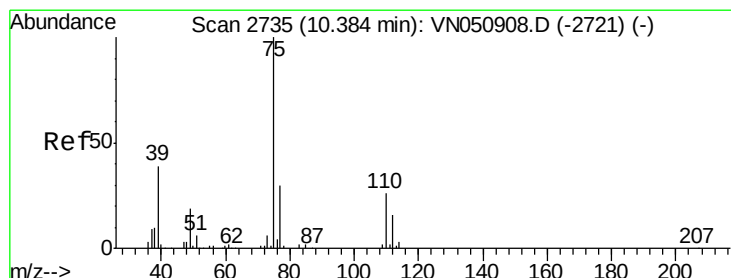
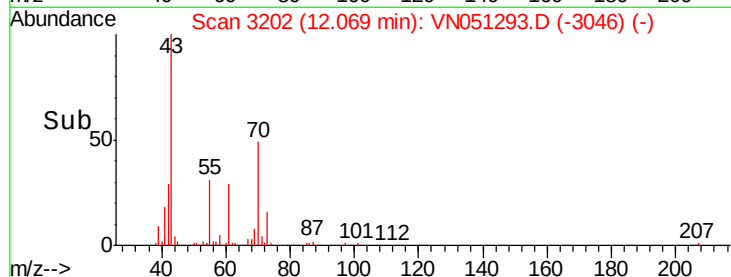
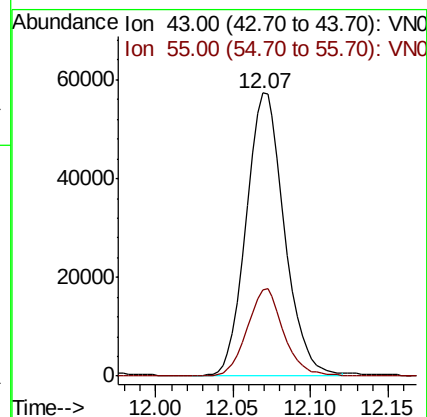
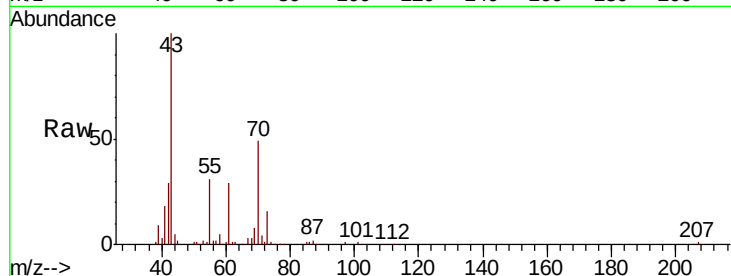
55 29.5 23.0 34.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 16.790 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051293.D

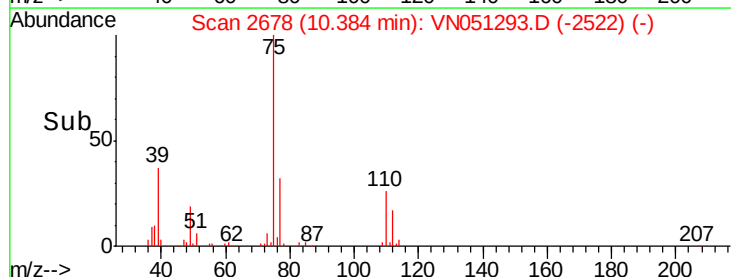
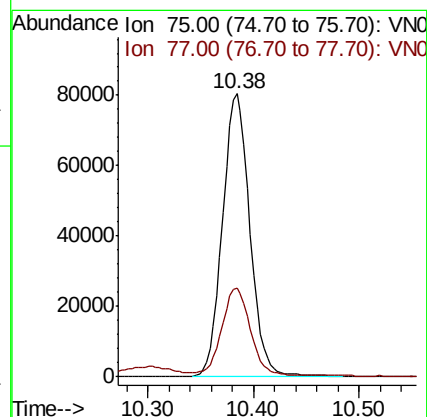
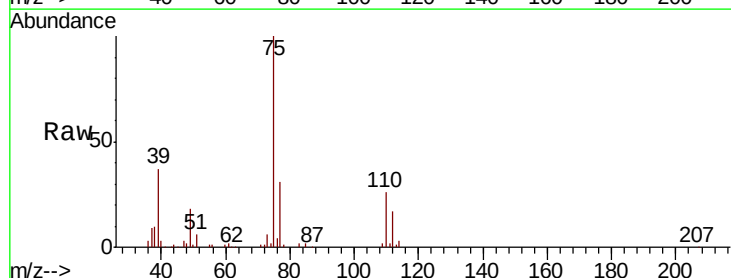
Acq: 18 Sep 2018 13:22

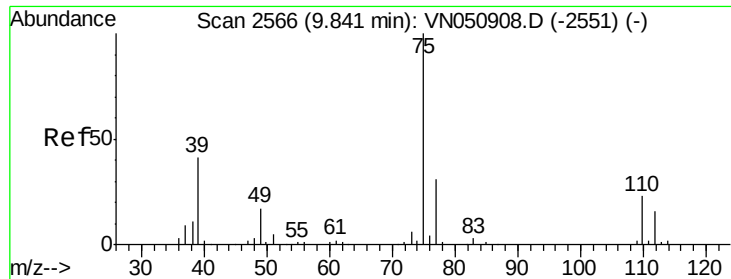
Tgt Ion: 75 Resp: 144975

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2





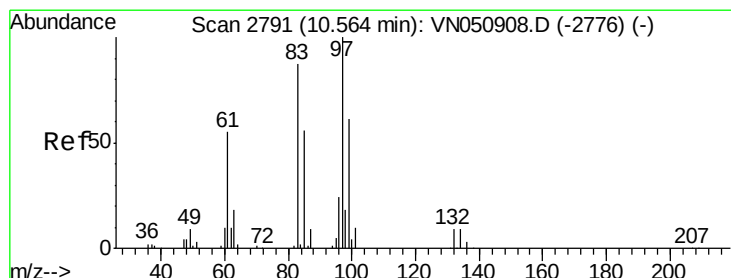
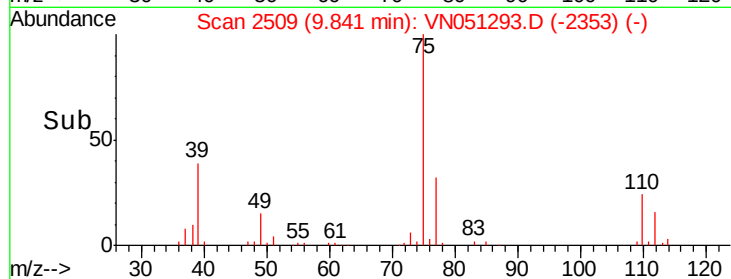
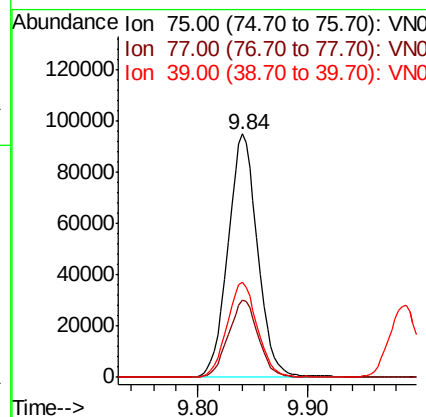
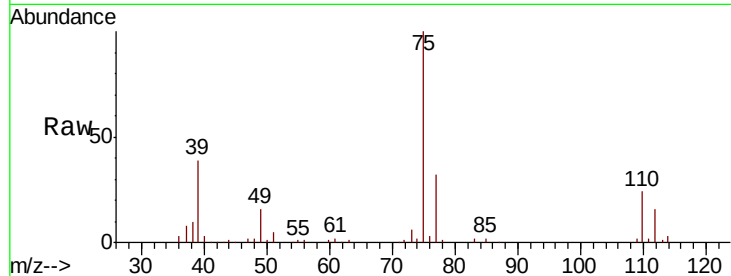
#49
 cis-1,3-Dichloropropene
 Concen: 17.787 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4
39	39.0	32.9	49.3

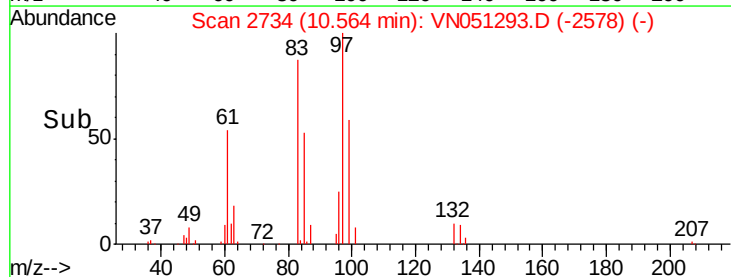
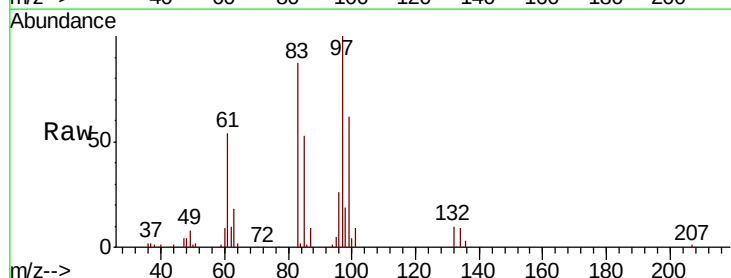
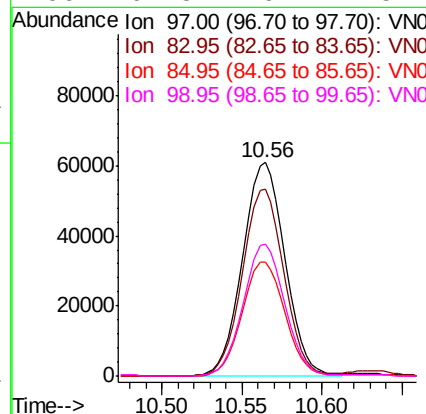
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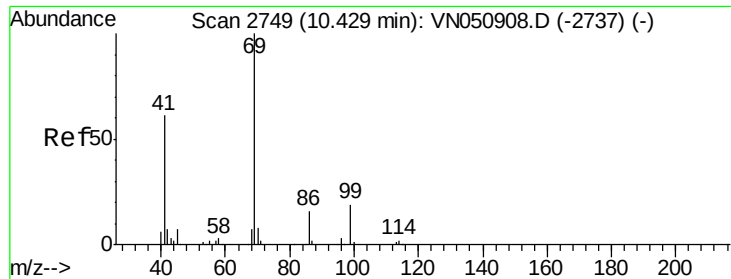
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#50
 1,1,2-Trichloroethane
 Concen: 18.147 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.8	104.6
85	53.4	45.0	67.6
99	61.8	49.1	73.7





#51

Ethyl methacrylate

Concen: 15.399 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

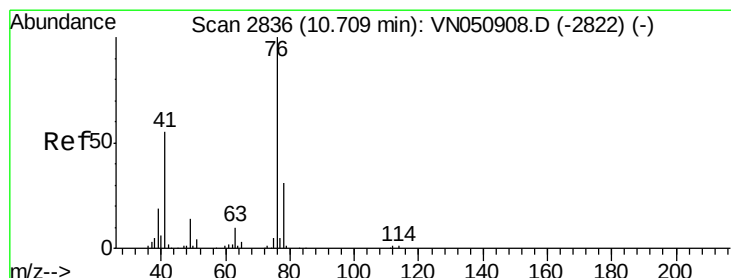
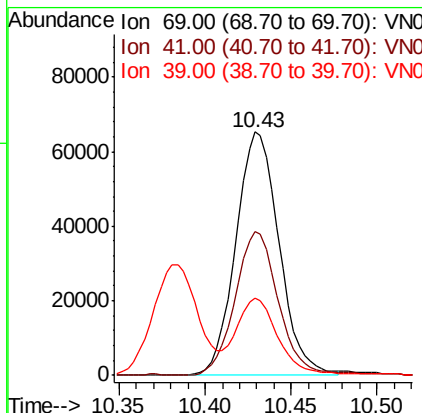
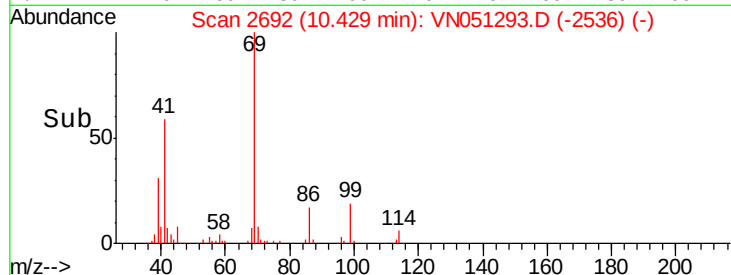
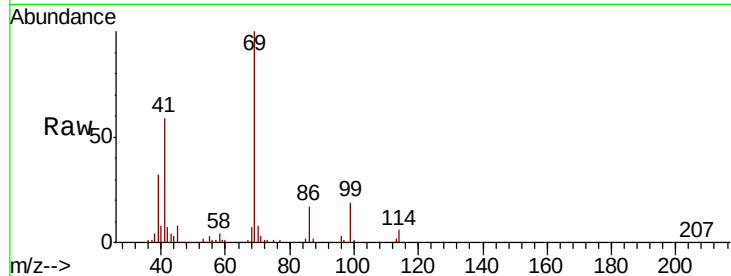
ClientSampleId :

VN0918WBSD01

Tgt Ion:	69	Resp:	114389
Ion	Ratio	Lower	Upper
69	100		
41	58.7	30.5	91.5
39	30.7	15.3	45.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 17.448 ug/l

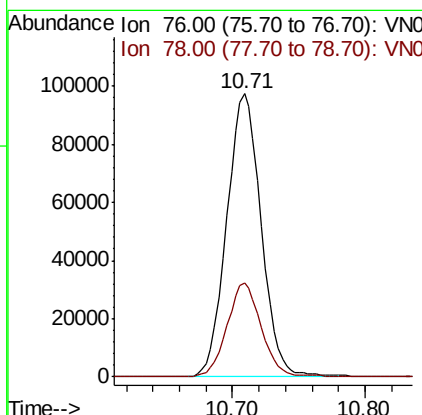
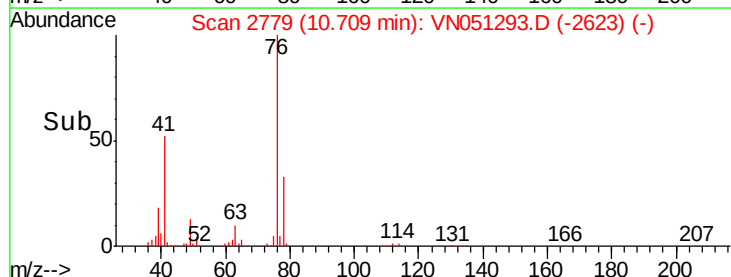
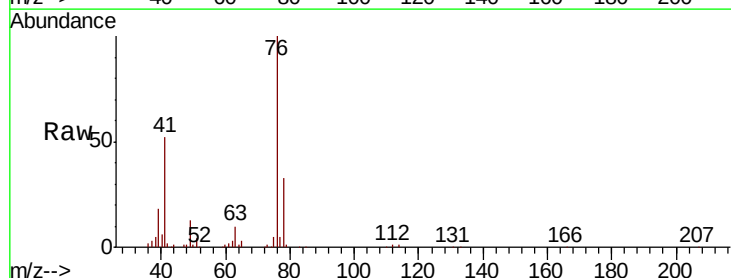
RT: 10.71 min Scan# 2779

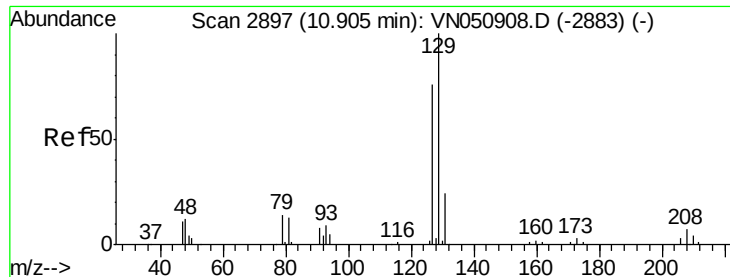
Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Tgt Ion:	76	Resp:	175469
Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	63.4





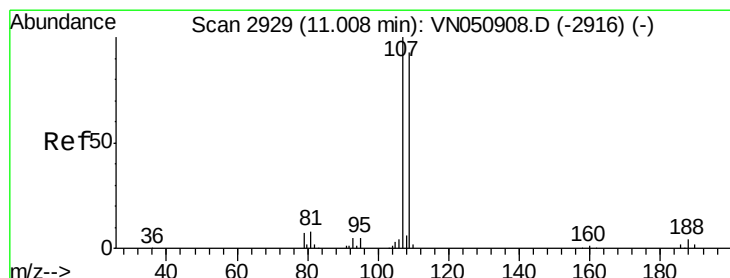
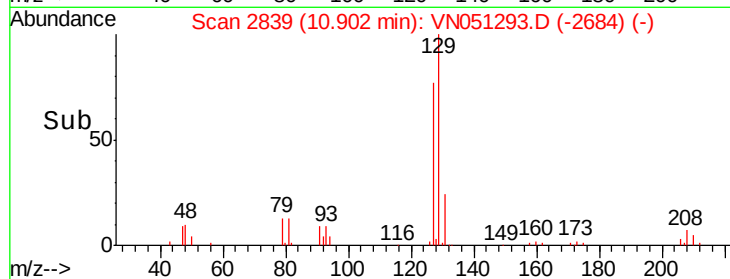
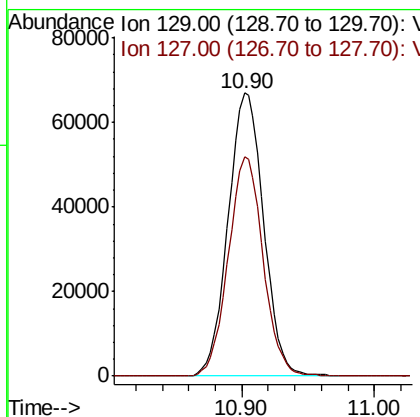
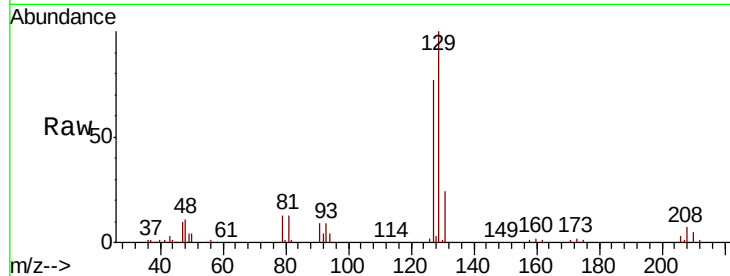
#53
 Dibromochloromethane
 Concen: 18.043 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tgt Ion:129 Resp: 124567
 Ion Ratio Lower Upper
 129 100
 127 75.6 39.0 116.9

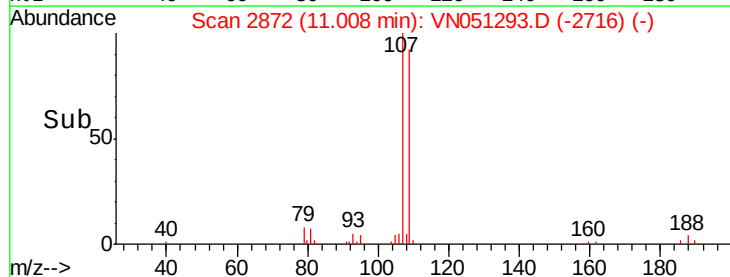
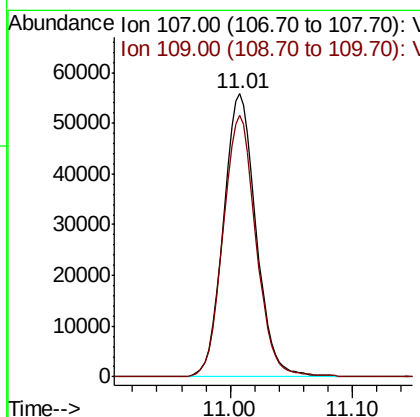
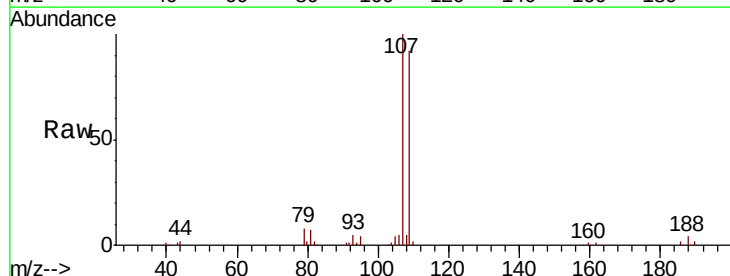
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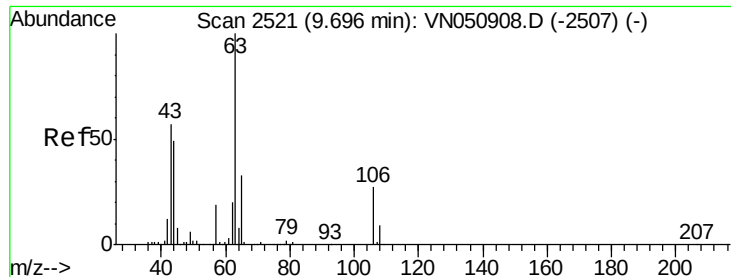
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#54
 1,2-Dibromoethane
 Concen: 17.379 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion:107 Resp: 104337
 Ion Ratio Lower Upper
 107 100
 109 93.1 74.4 111.6





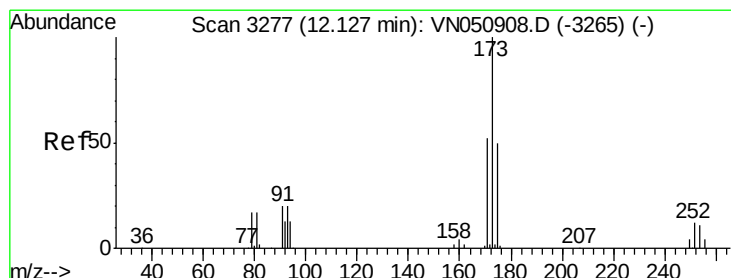
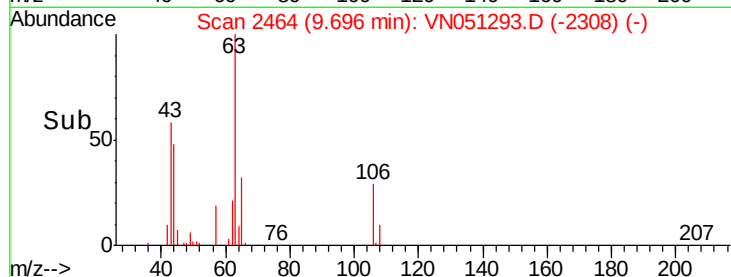
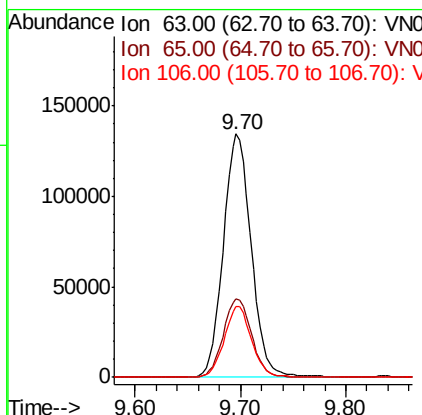
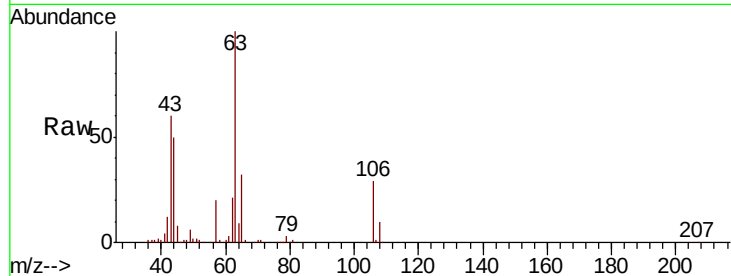
#55
 2-Chloroethyl vinyl ether
 Concen: 79.699 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0918WBSD01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.4	38.2
106	28.5	22.0	33.0

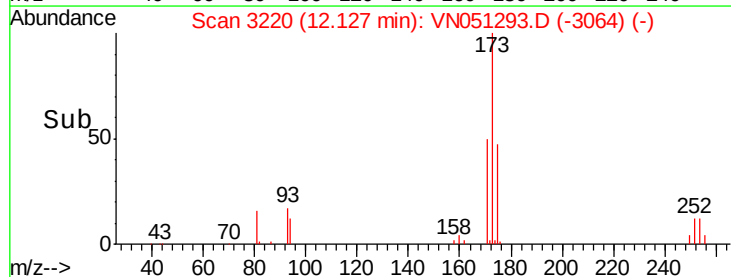
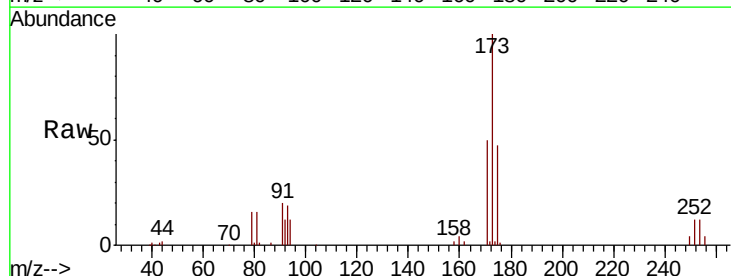
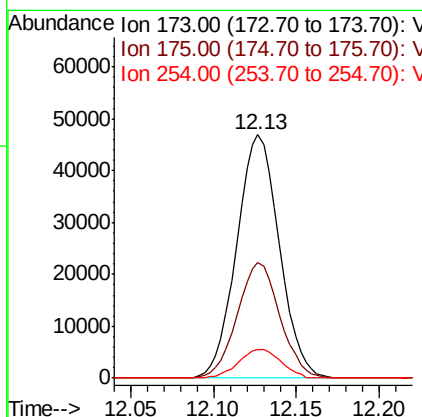
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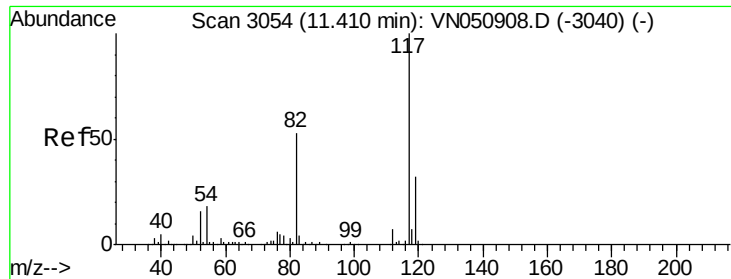
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#56
 Bromoform
 Concen: 17.058 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.5	39.2	58.8
254	11.8	9.0	13.6





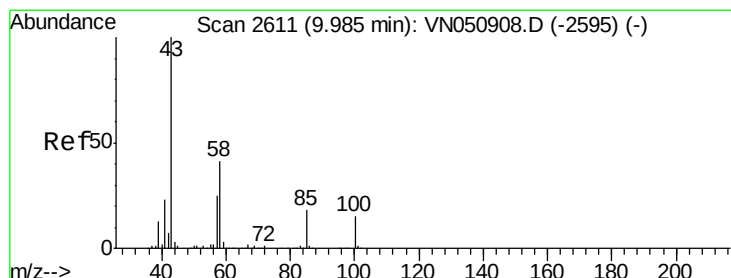
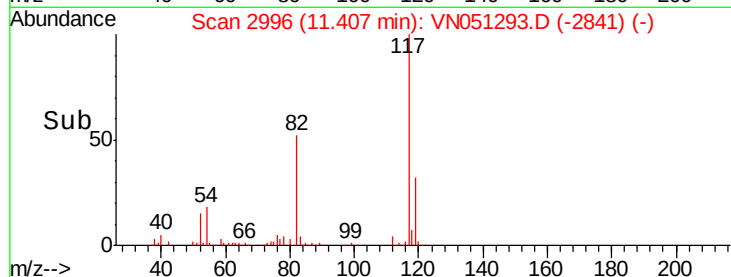
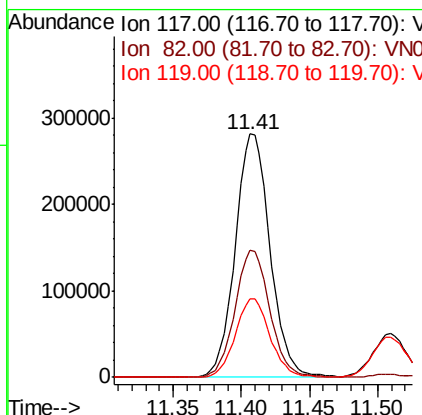
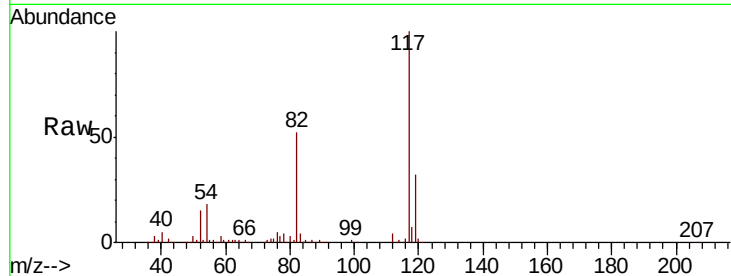
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	498842		
82	52.1	42.6	64.0	
119	32.3	25.7	38.5	

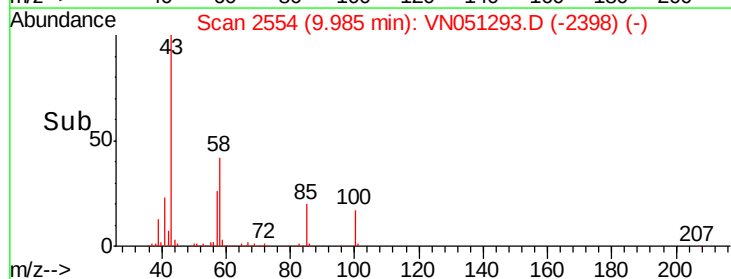
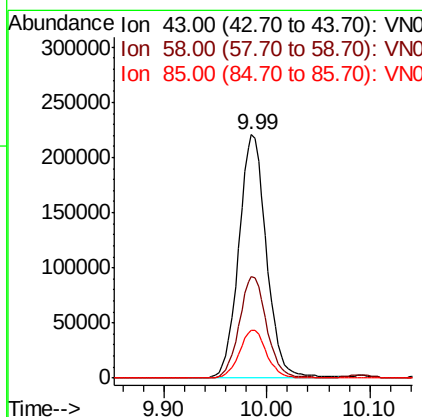
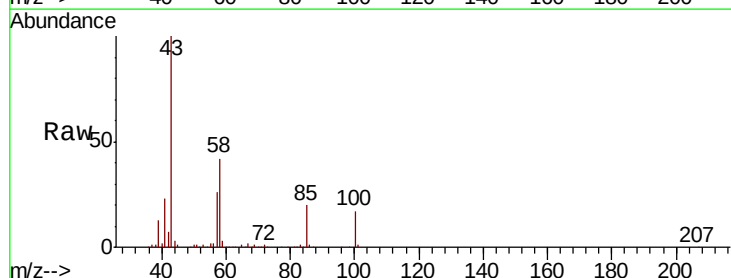
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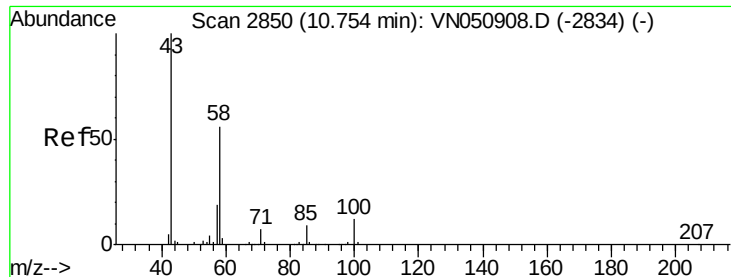
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#58
4-Methyl-2-Pentanone
Concen: 71.741 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	409466		
58	41.6	32.3	48.5	
85	19.6	14.9	22.3	





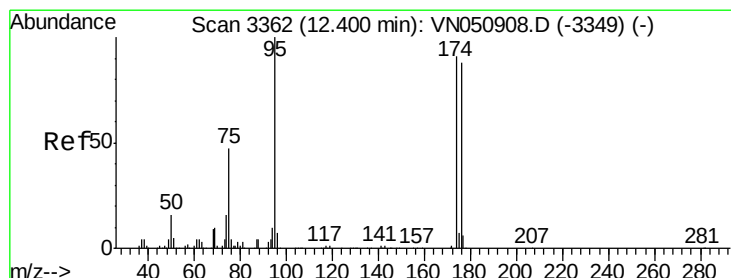
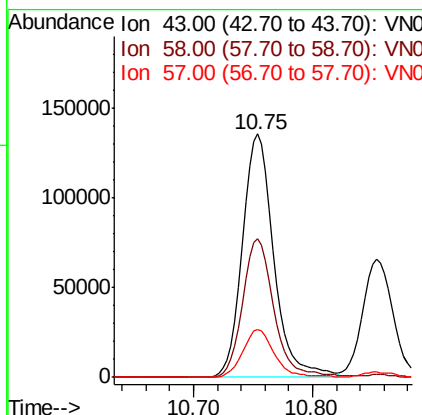
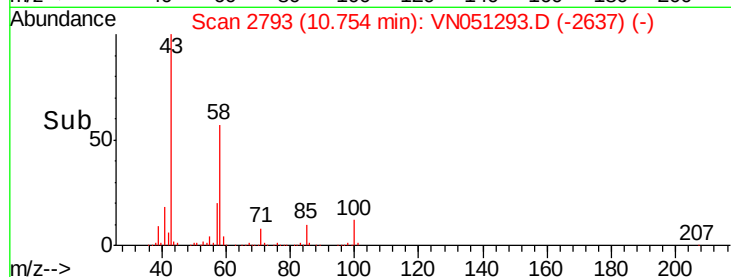
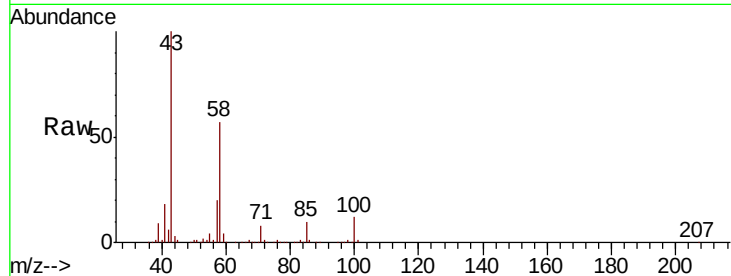
#59
2-Hexanone
Concen: 66.373 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0918WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.9	45.5	68.3
57	19.6	15.2	22.8

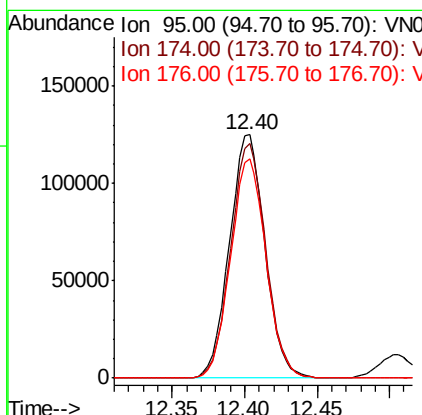
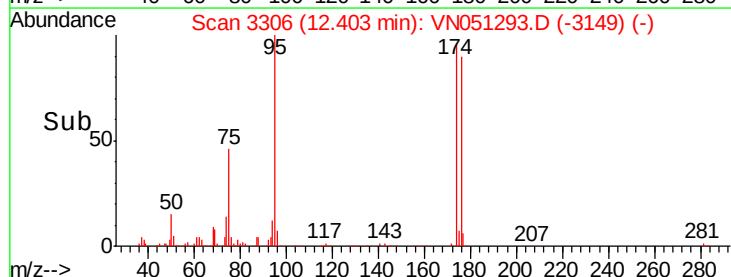
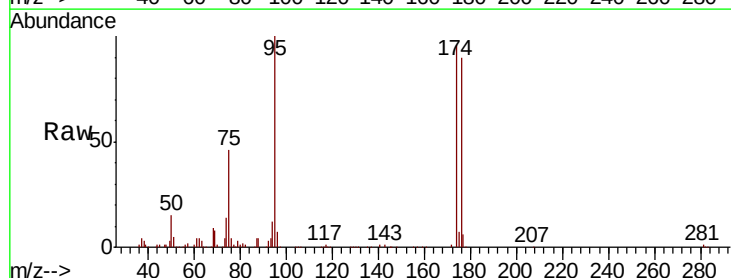
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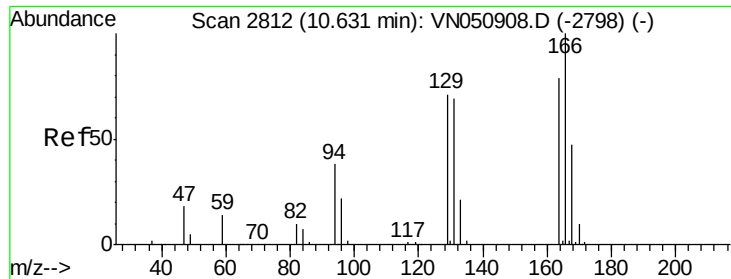
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 28.566 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.9	74.6	112.0
176	90.3	71.5	107.3





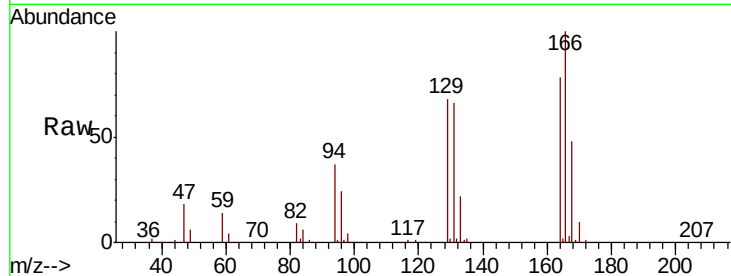
#61
Tetrachloroethene
Concen: 19.929 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	128.0	123880	100.6	151.0
129	87.2		71.0	106.6
131	84.8		69.3	103.9

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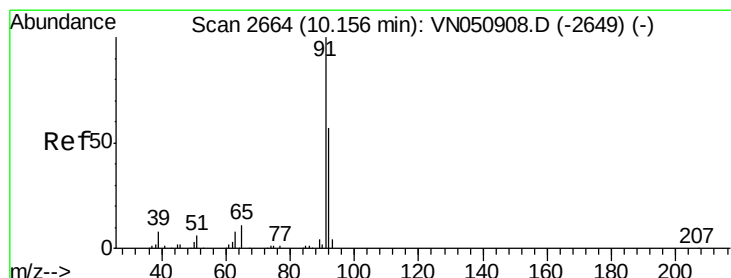
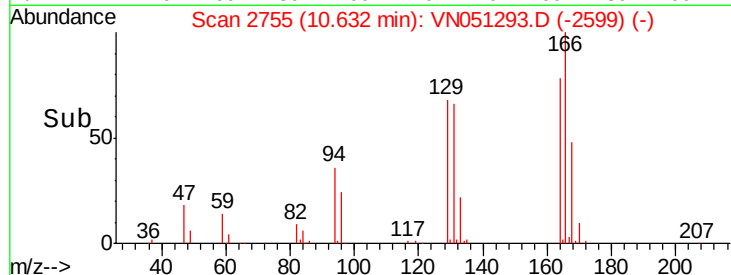
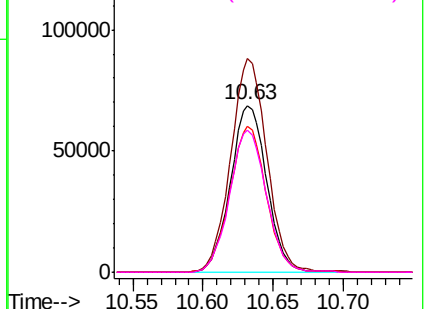
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

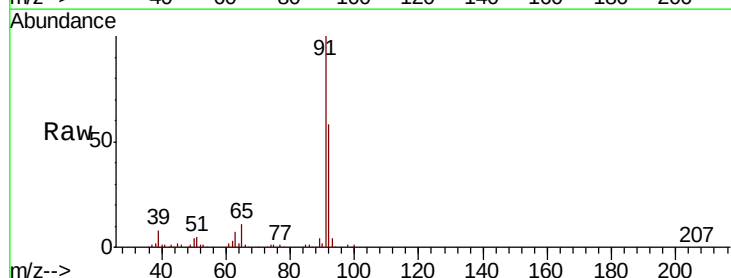
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 18.775 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

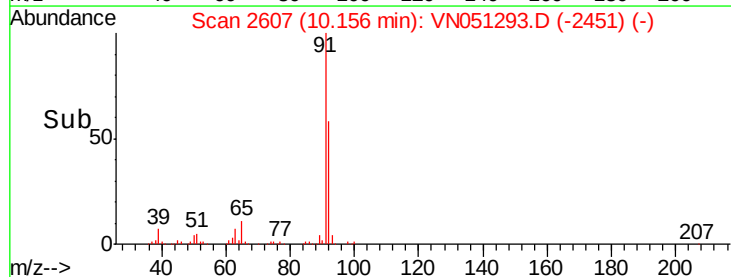
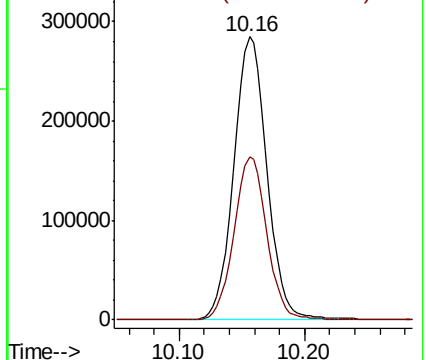
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	522509		
92	57.2		45.8	68.8

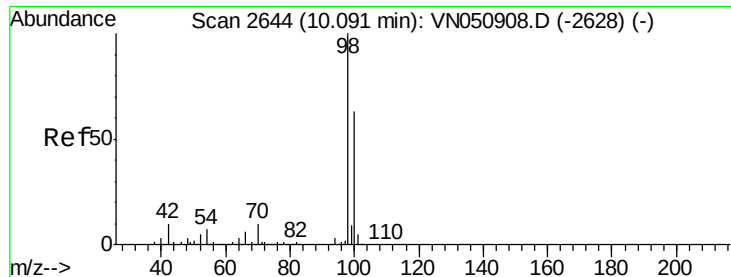


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.587 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0918WBSD01

Tgt Ion: 98 Resp: 711536

Ion Ratio Lower Upper

98 100

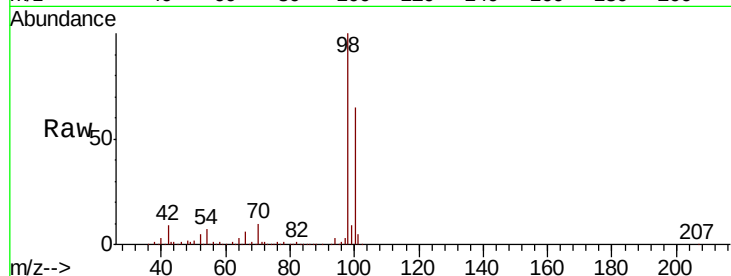
100 64.5 50.6 75.8

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Abundance Ion 98.00 (97.70 to 98.70): VN050908.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050908.D (-2628) (-)

10.09

400000

300000

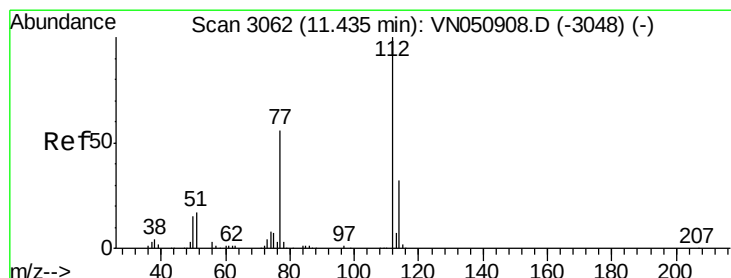
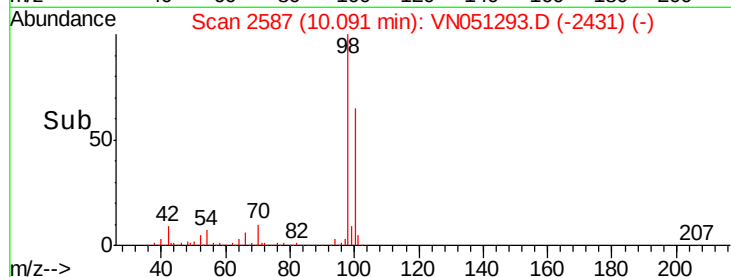
200000

100000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 18.480 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051293.D

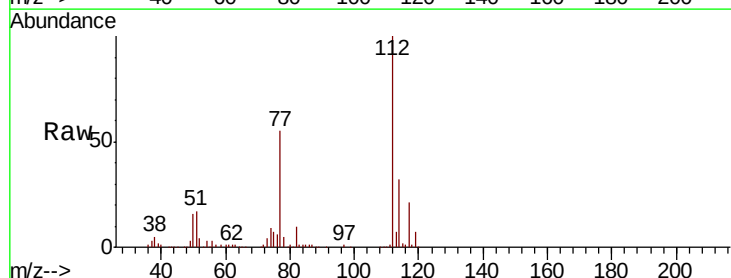
Acq: 18 Sep 2018 13:22

Tgt Ion: 112 Resp: 318738

Ion Ratio Lower Upper

112 100

114 31.9 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): VN050908.D (-3048) (-)

Ion 114.00 (113.70 to 114.70): VN050908.D (-3048) (-)

11.43

200000

150000

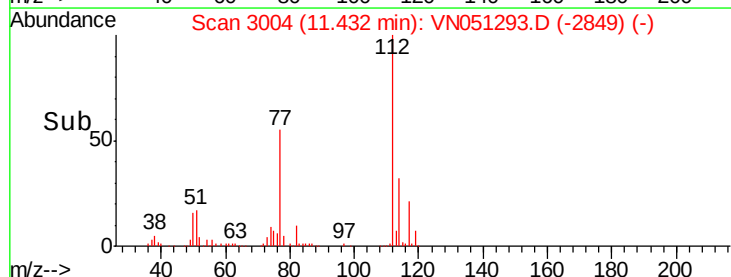
100000

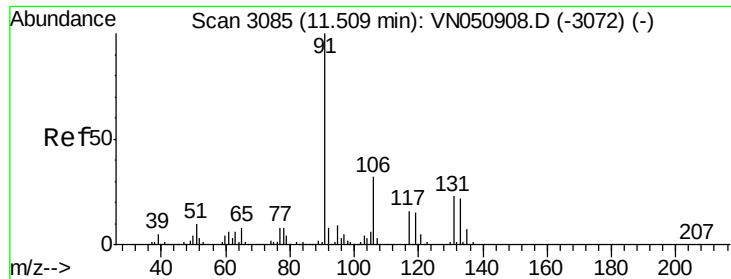
50000

0

11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.154 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

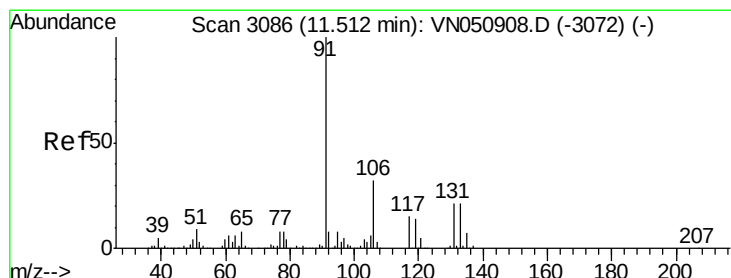
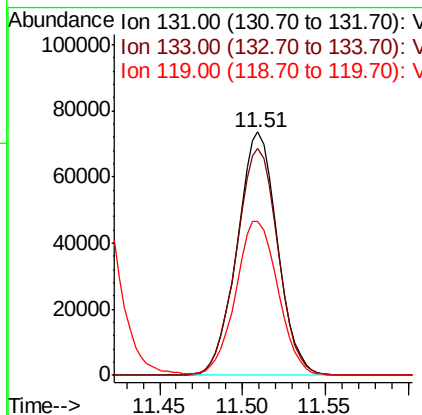
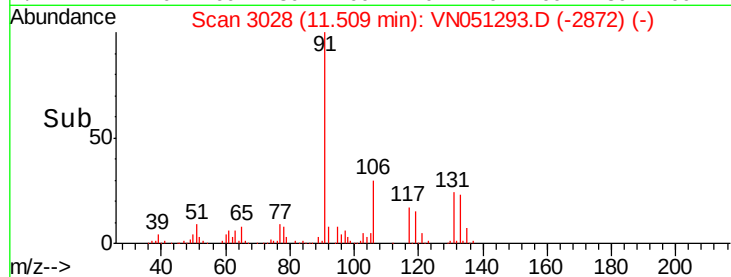
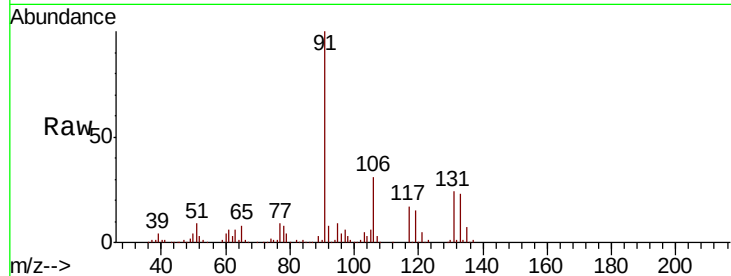
ClientSampleId :

VN0918WBSD01

Tgt Ion:	131	Resp:	124733
Ion Ratio	Lower	Upper	
131	100		
133	96.2	0.0	189.4
119	66.5	0.0	132.2

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#66

Ethyl Benzene

Concen: 17.883 ug/l

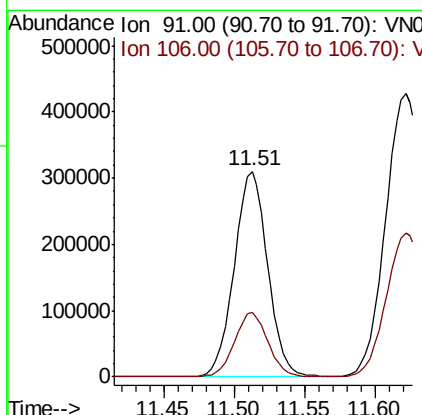
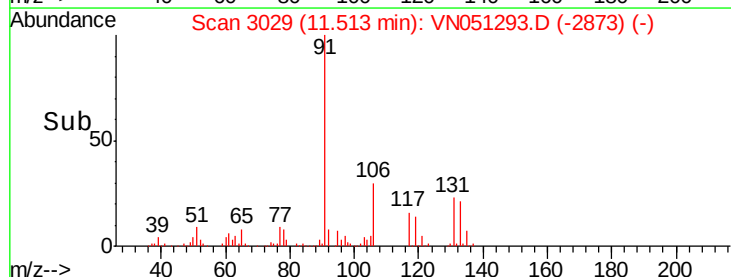
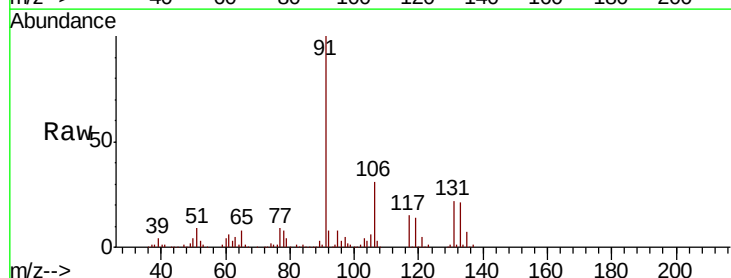
RT: 11.51 min Scan# 3029

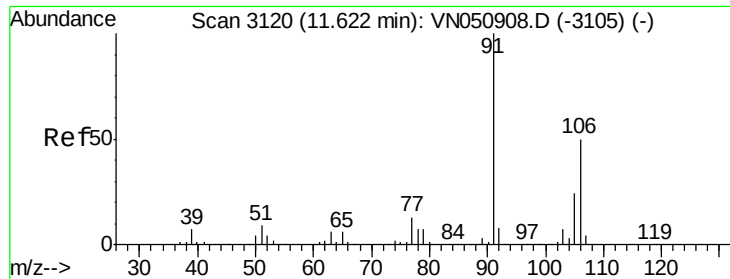
Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Tgt Ion:	91	Resp:	515512
Ion Ratio	Lower	Upper	
91	100		
106	31.1	25.7	38.5





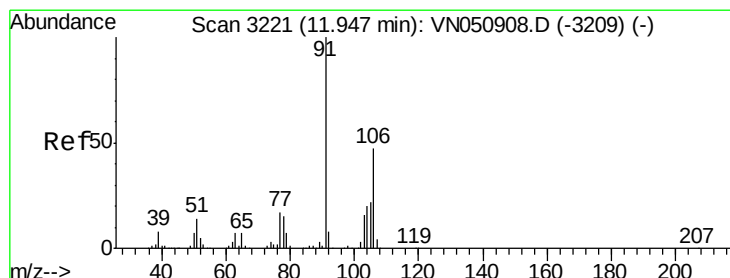
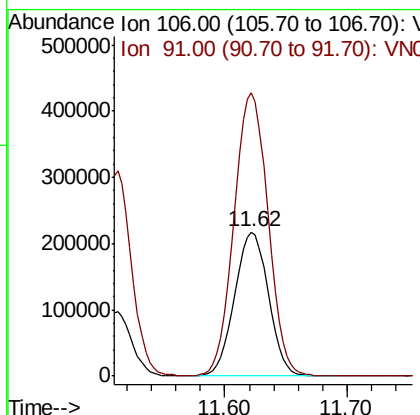
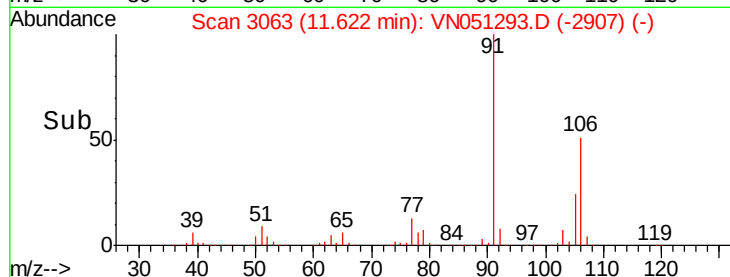
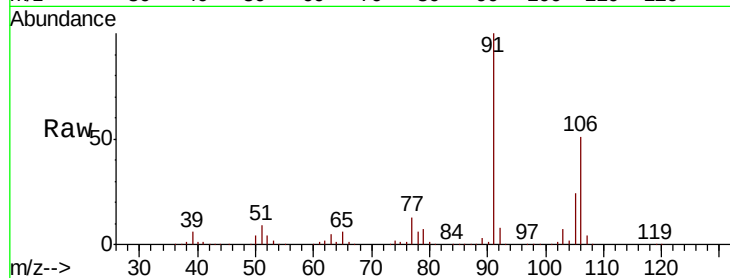
#67
m/p-Xylenes
Concen: 37.683 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0918WBSD01

Tgt Ion:106 Resp: 417955
Ion Ratio Lower Upper
106 100
91 197.5 160.6 241.0

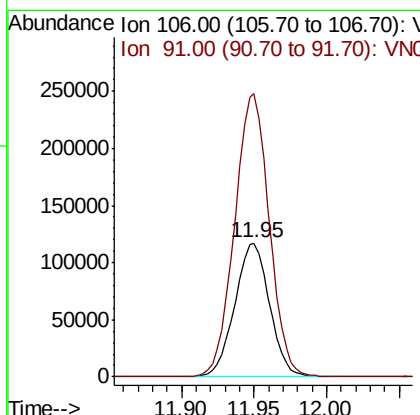
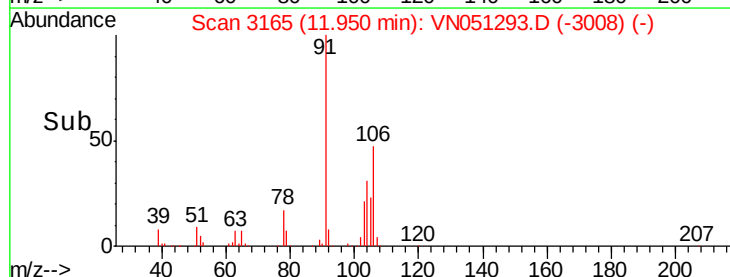
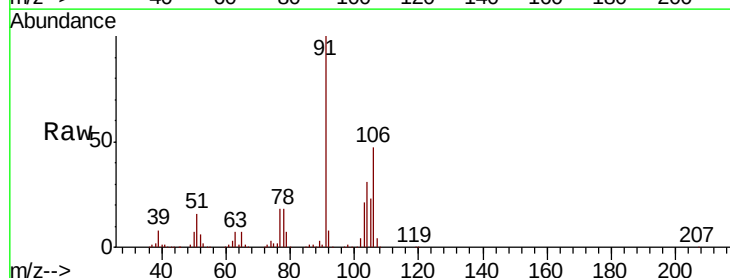
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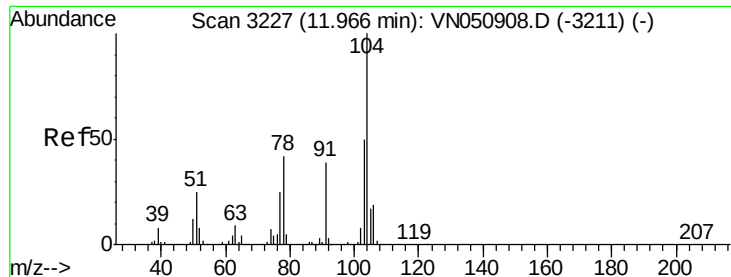
MMDadoda
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#68
o-Xylene
Concen: 18.386 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion:106 Resp: 194856
Ion Ratio Lower Upper
106 100
91 211.4 106.4 319.2





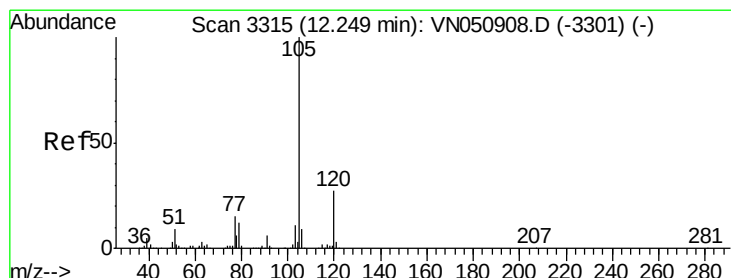
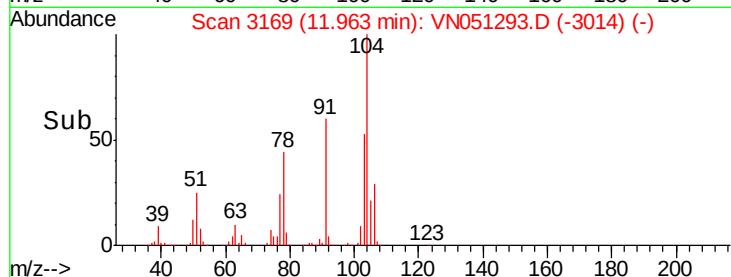
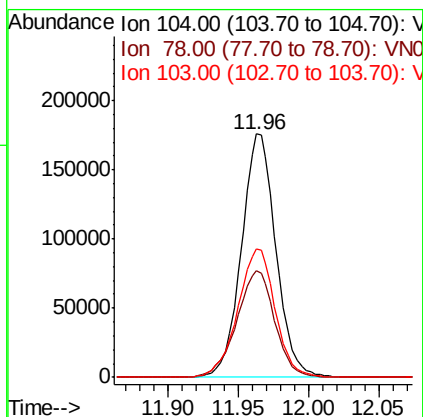
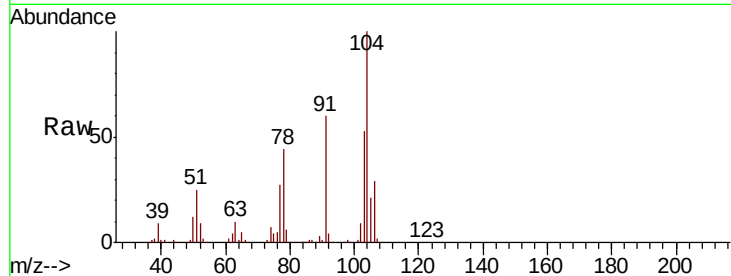
#69
Styrene
Concen: 17.853 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	300816		
78	48.4		38.6	58.0
103	57.2		45.4	68.2

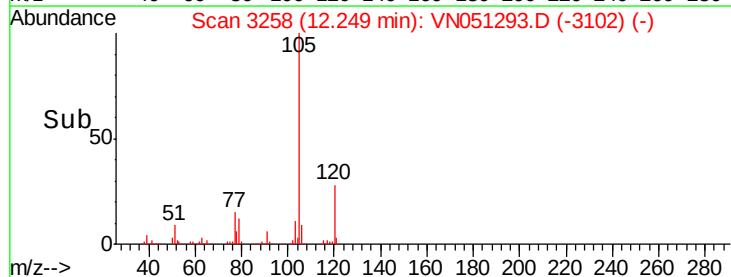
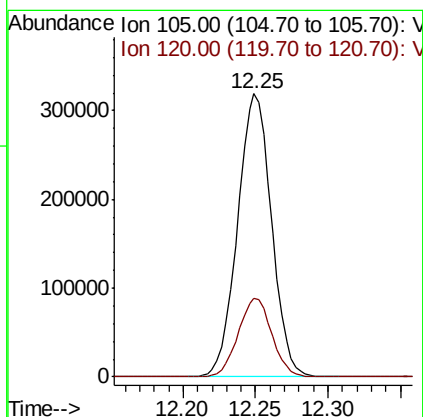
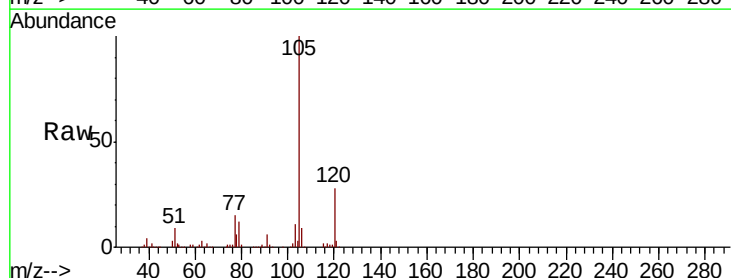
Manual Integrations
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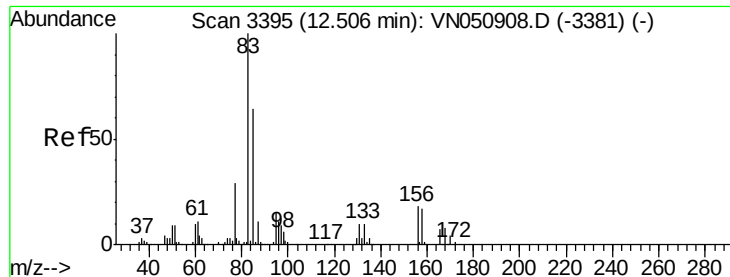
MMDadoda
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#70
Isopropylbenzene
Concen: 18.393 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	517959		
120	27.5		18.6	34.6





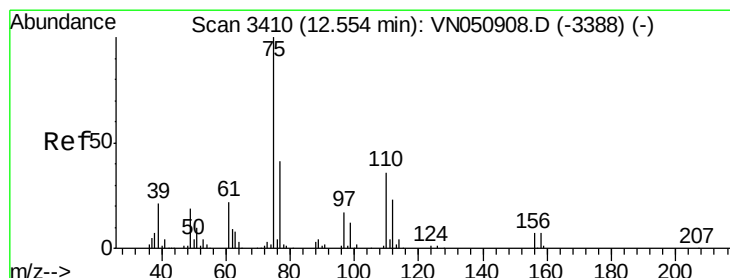
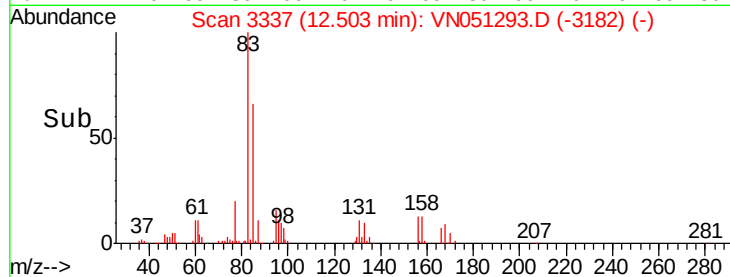
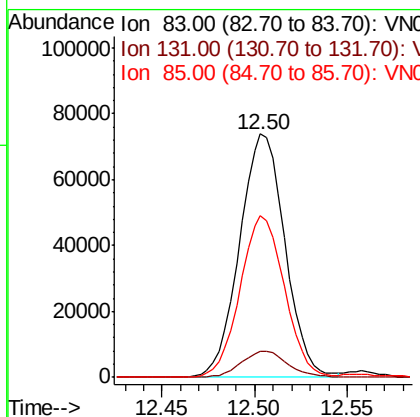
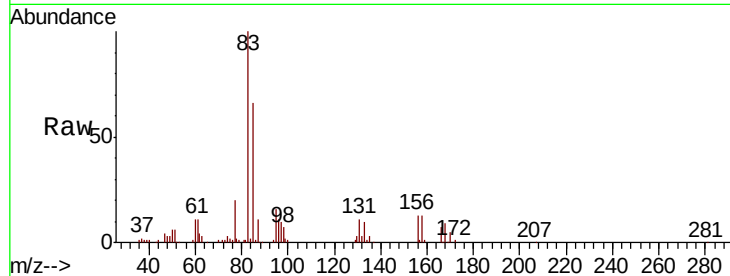
#71
 1,1,2,2-Tetrachloroethane
 Concen: 16.529 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	126032		
131	10.9	5.3	15.9	
85	64.9	32.3	96.9	

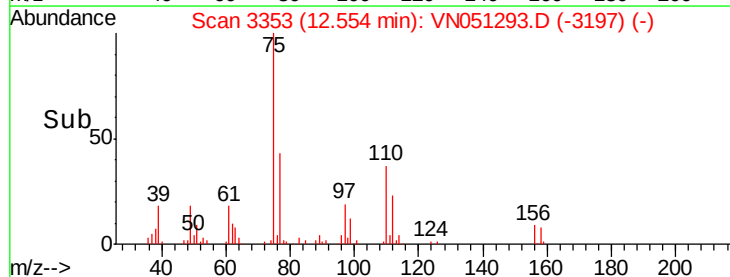
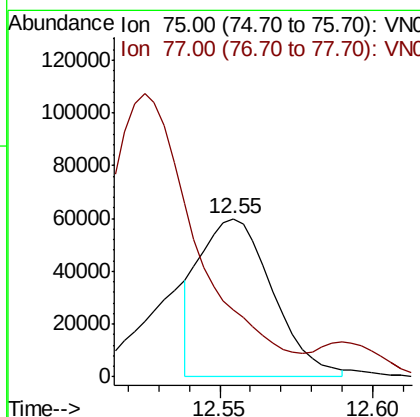
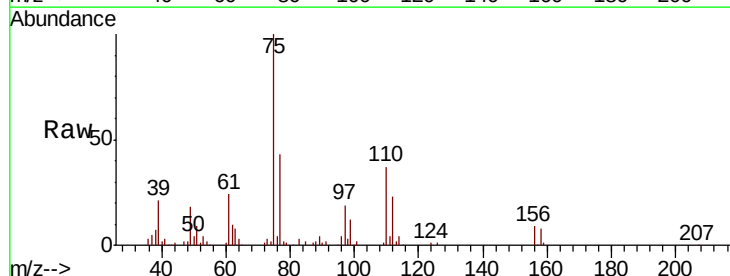
Manual Integrations
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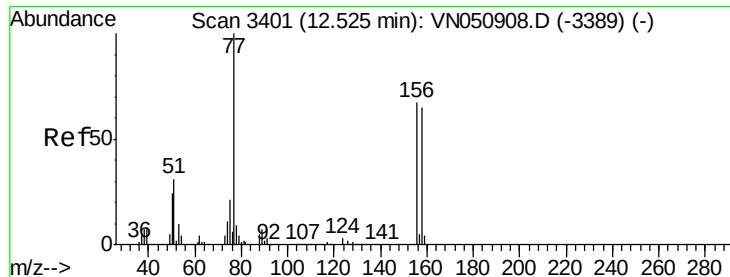
MMDadoda
 9/19/2018 2:57:07 PM



#72
 1,2,3-Trichloropropane
 Concen: 15.066 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99104		
77	225.9	0.0	301.6	





#73

Bromobenzene

Concen: 18.140 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

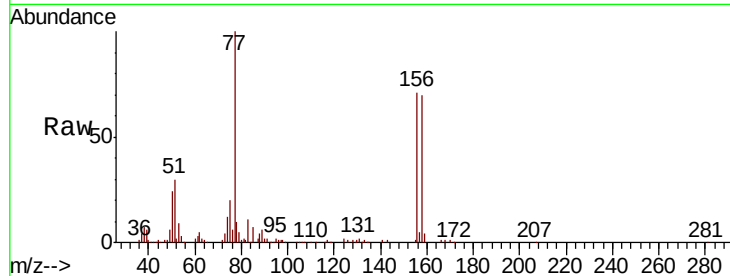
ClientSampleId :

VN0918WBSD01

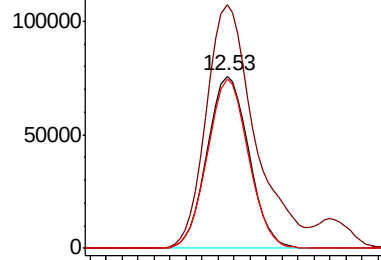
Tgt Ion:	156	Resp:	134406
Ion Ratio	Lower	Upper	
156	100		
77	166.6	0.0	359.4
158	96.9	0.0	194.6

Manual Integrations
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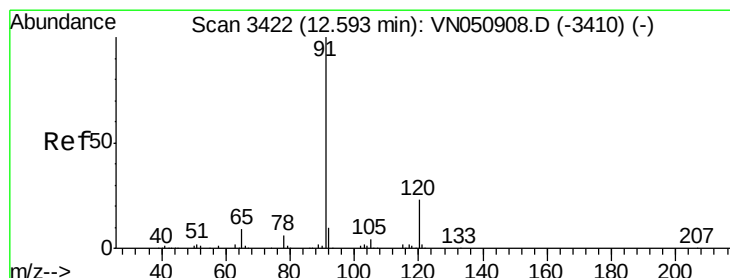
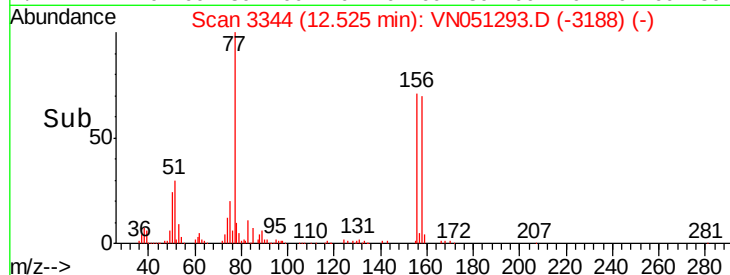
MMDadoda
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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



Time-->



#74

n-propylbenzene

Concen: 17.429 ug/l

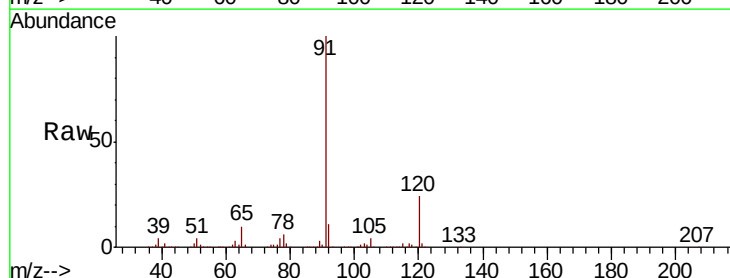
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

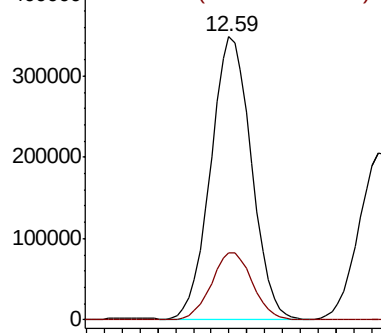
Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

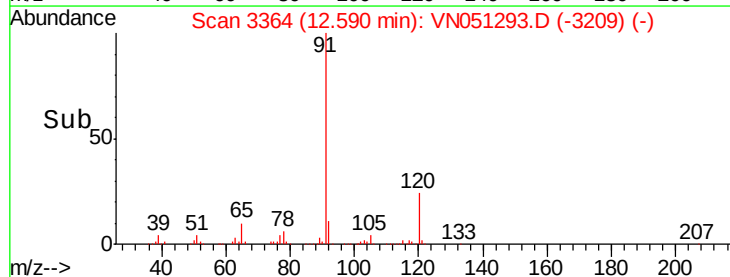
Tgt Ion:	91	Resp:	554924
Ion Ratio	Lower	Upper	
91	100		
120	23.8	0.0	46.0

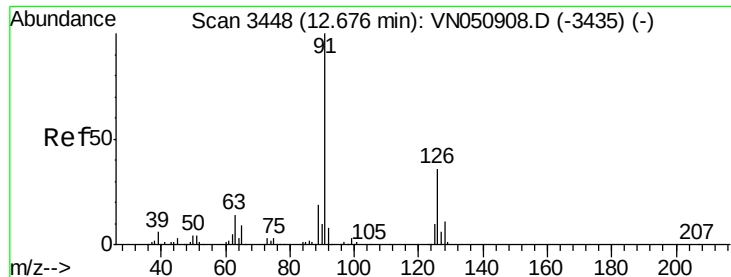


Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V



Time-->





#75

2-Chlorotoluene

Concen: 17.794 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0918WBSD01

Tgt Ion: 91 Resp: 344172

Ion Ratio Lower Upper

91 100

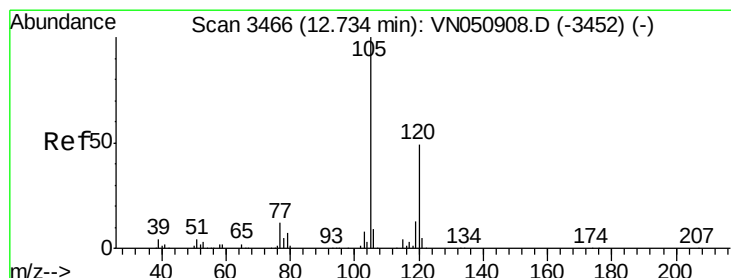
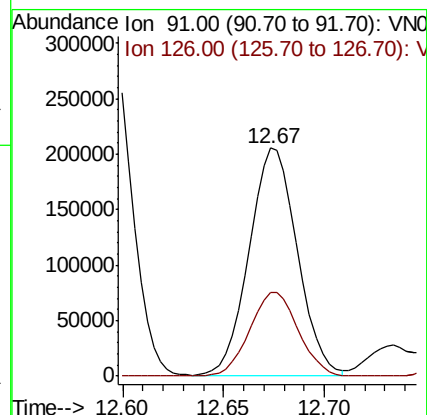
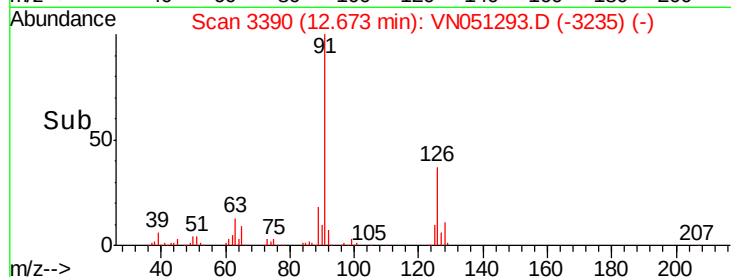
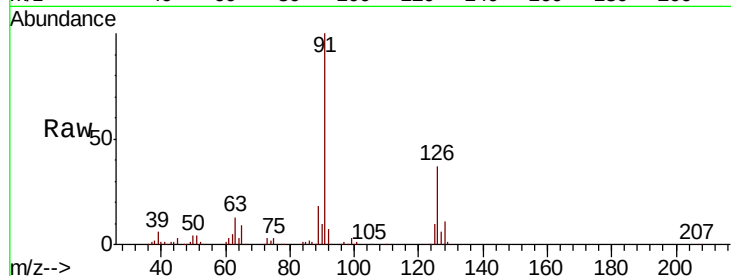
126 37.0 0.0 71.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 18.447 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051293.D

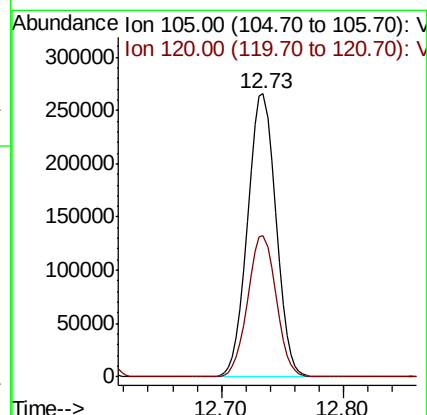
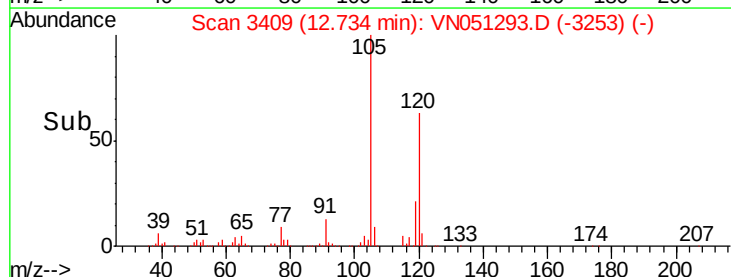
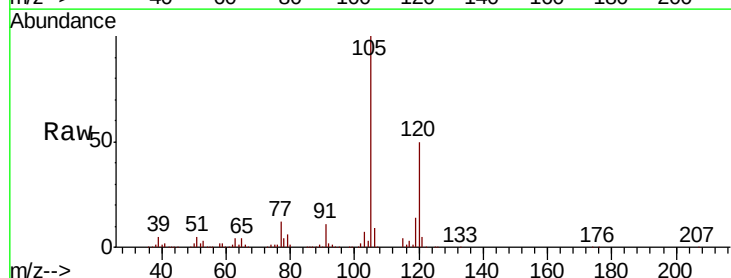
Acq: 18 Sep 2018 13:22

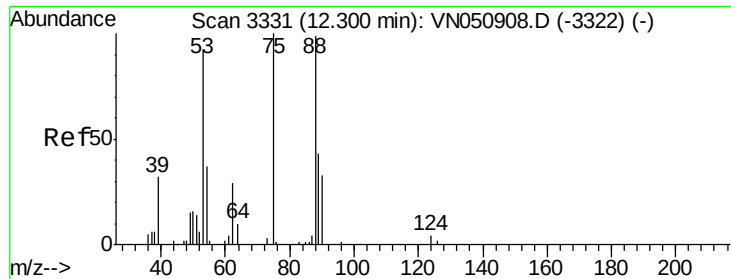
Tgt Ion: 105 Resp: 424528

Ion Ratio Lower Upper

105 100

120 50.1 0.0 99.6





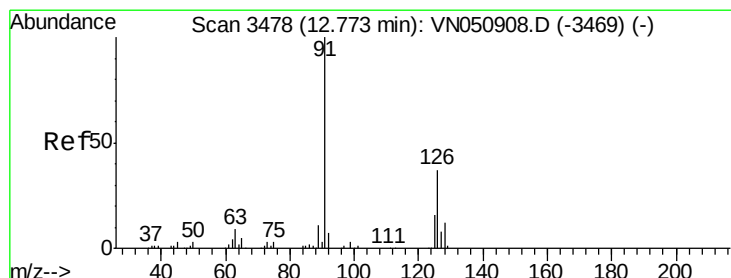
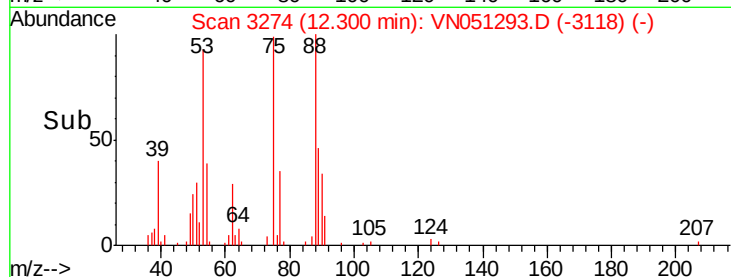
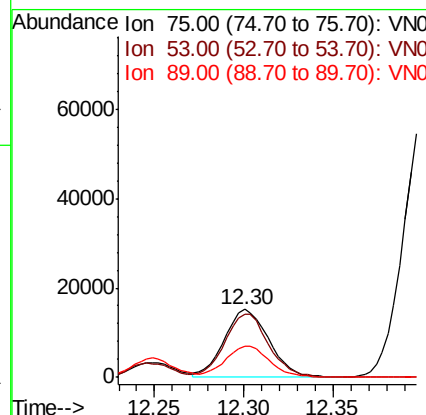
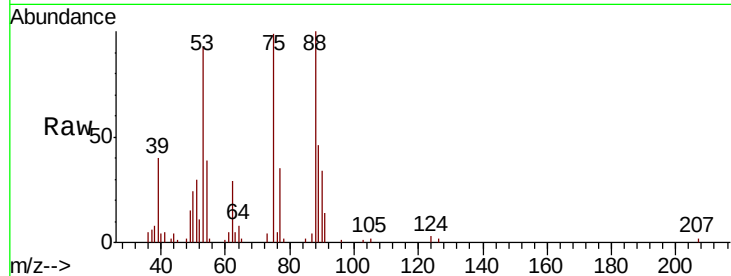
#77
t-1,4-Dichloro-2-butene
Concen: 14.126 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.9	45.5	136.4
89	46.2	21.9	65.8

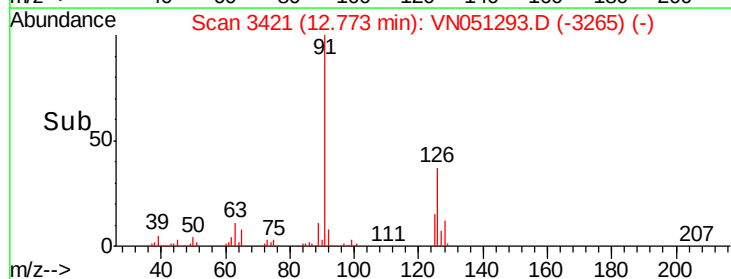
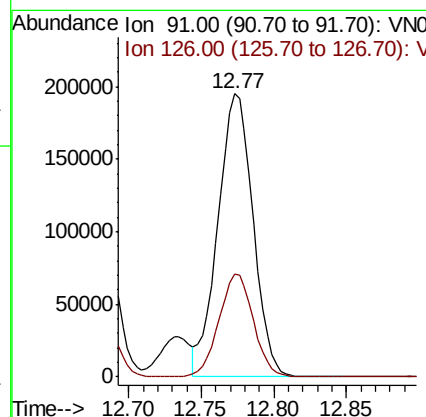
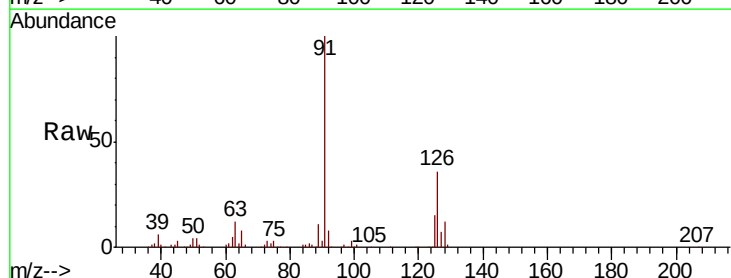
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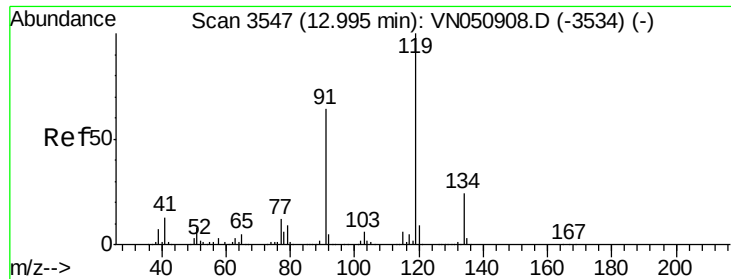
MMDadoda
9/19/2018 2:57:07 PM



#78
4-Chlorotoluene
Concen: 17.141 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	0.0	69.8





#79

tert-butylbenzene

Concen: 18.019 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

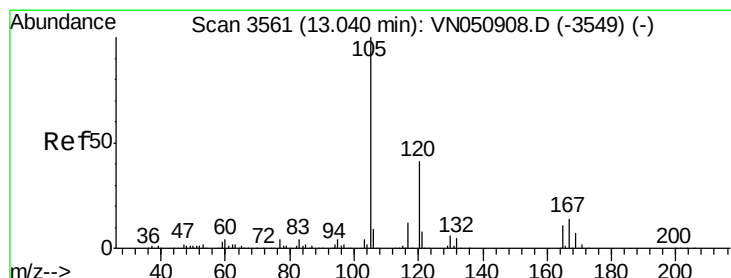
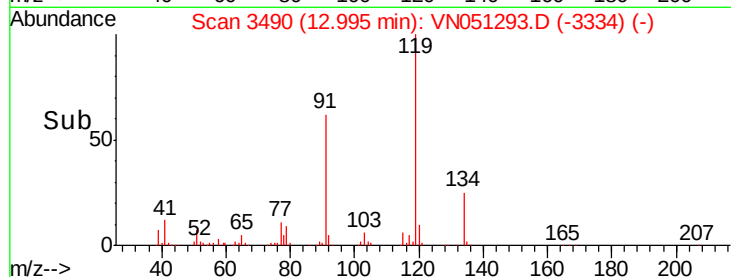
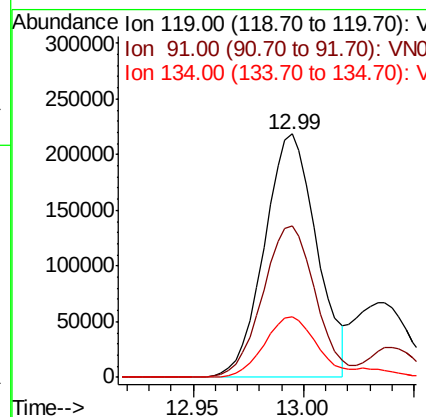
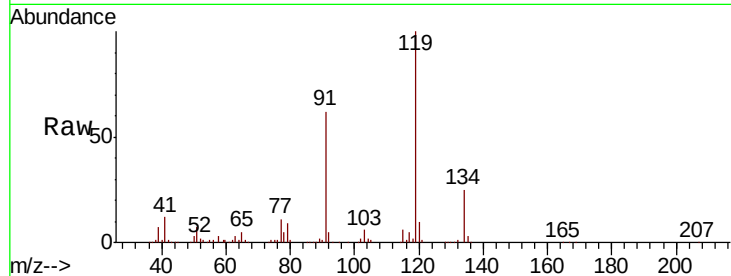
ClientSampleId :

VN0918WBSD01

Tgt Ion:	119	Resp:	360140
Ion Ratio	Lower	Upper	
119	100		
91	63.0	0.0	125.6
134	25.0	0.0	48.4

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#80

1,2,4-Trimethylbenzene

Concen: 18.178 ug/l

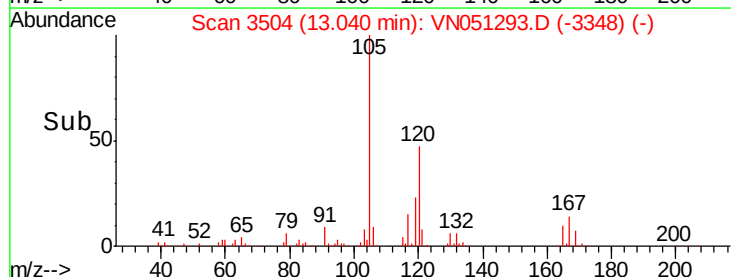
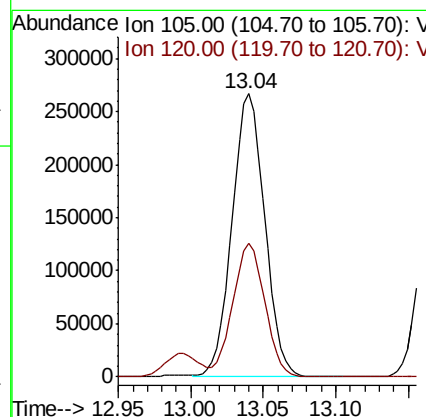
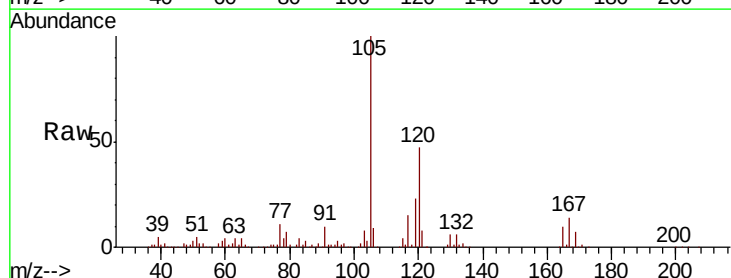
RT: 13.04 min Scan# 3504

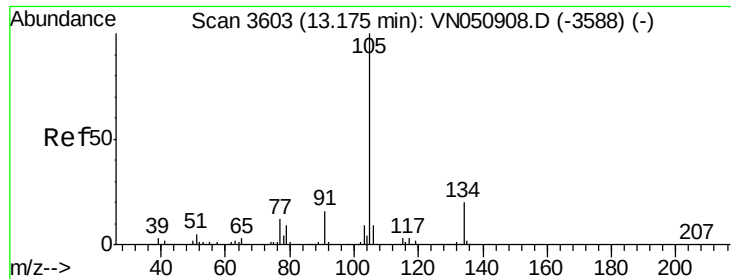
Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Tgt Ion:	105	Resp:	417081
Ion Ratio	Lower	Upper	
105	100		
120	46.7	0.0	93.6





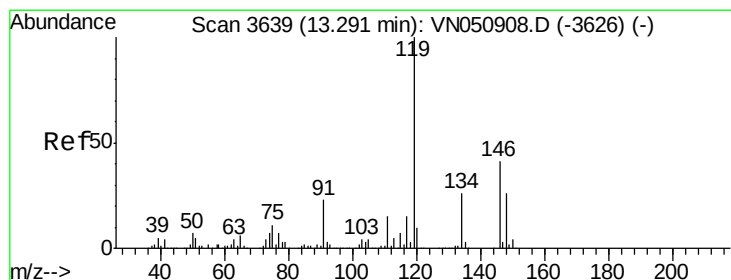
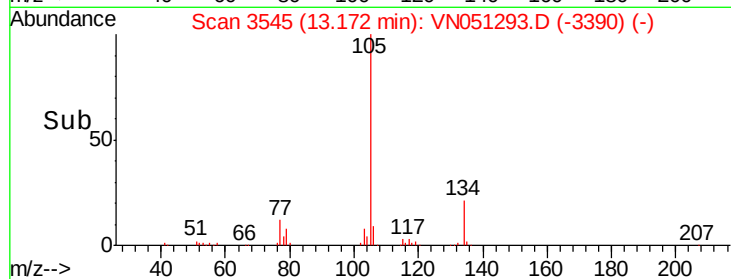
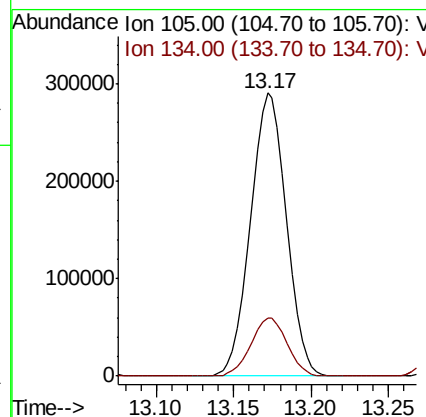
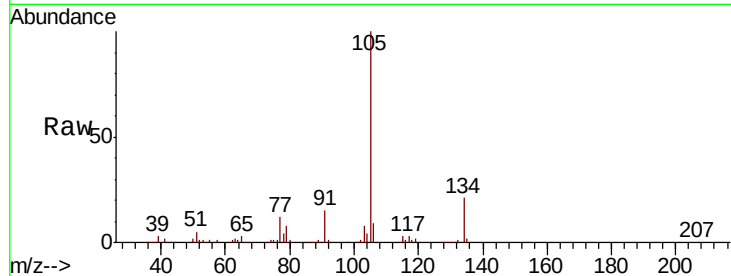
#81
 sec-Butylbenzene
 Concen: 17.884 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.8	0.0	40.8

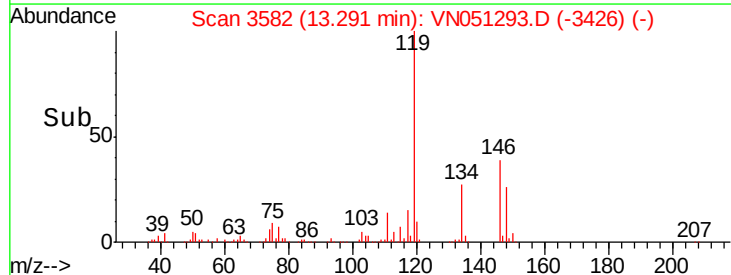
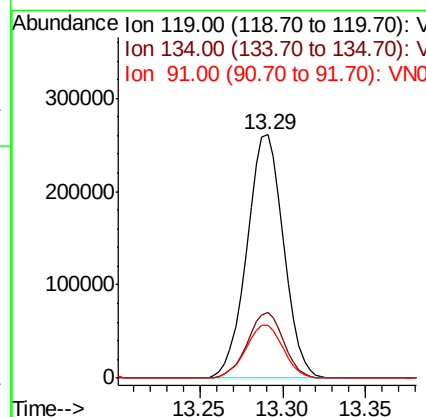
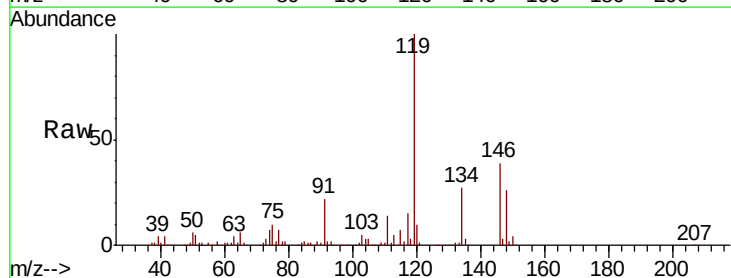
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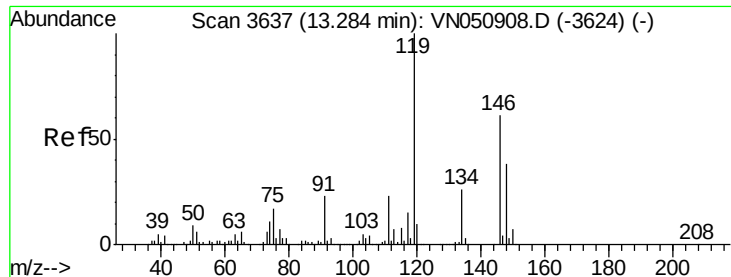
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#82
 p-Isopropyltoluene
 Concen: 17.713 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	0.0	53.2
91	22.5	0.0	46.0





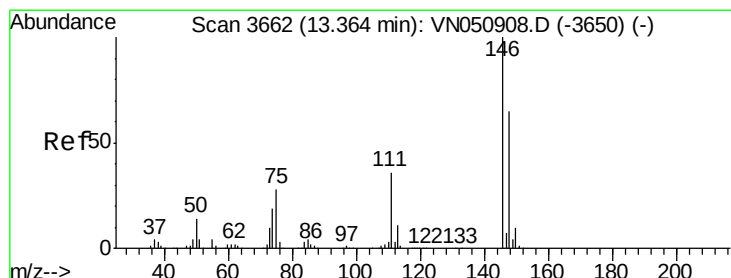
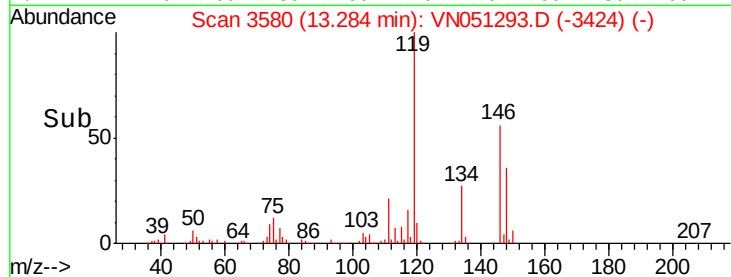
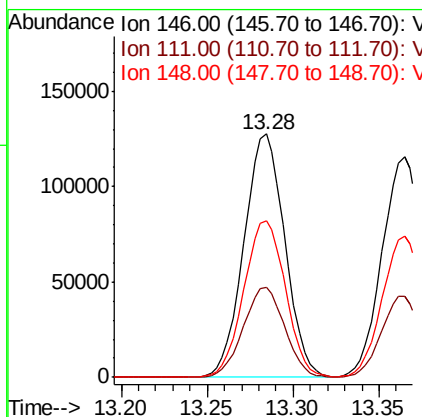
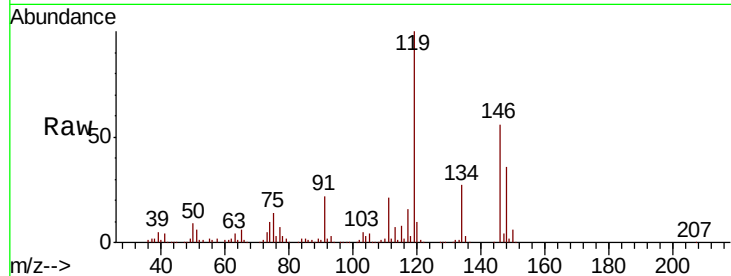
#83
 1,3-Dichlorobenzene
 Concen: 16.812 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.6
148	65.5	31.8	95.3

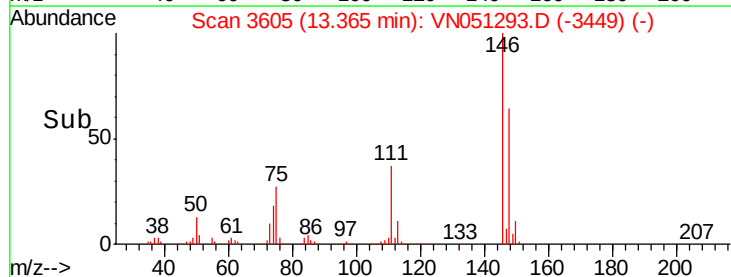
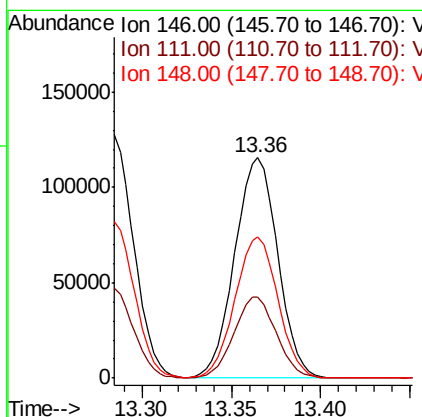
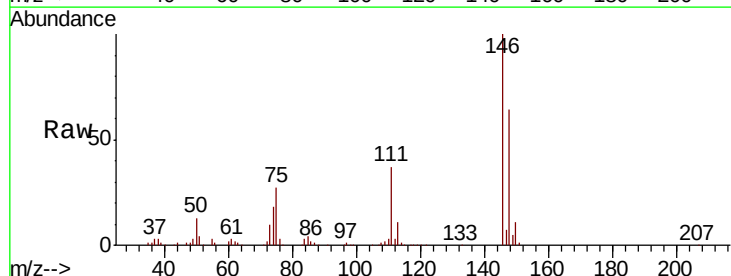
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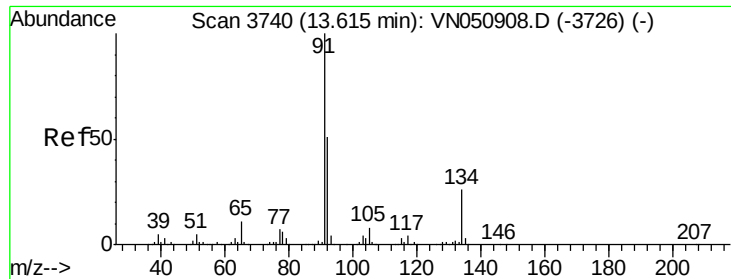
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#84
 1,4-Dichlorobenzene
 Concen: 16.386 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	17.7	53.1
148	63.9	31.6	94.8





#85

n-Butylbenzene

Concen: 15.137 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Instrument :

MSVOA_N

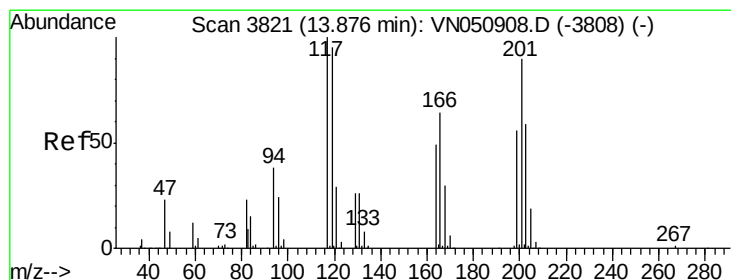
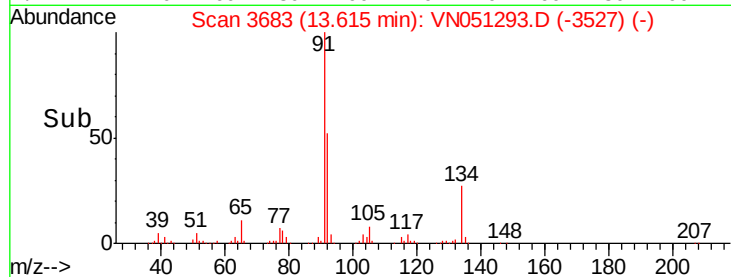
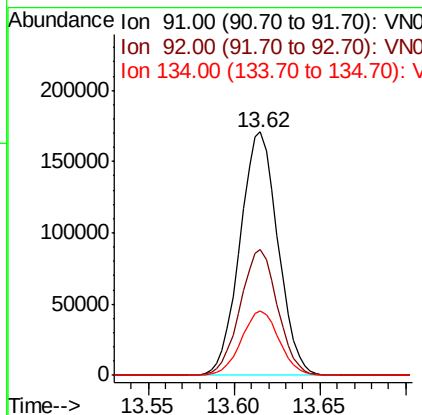
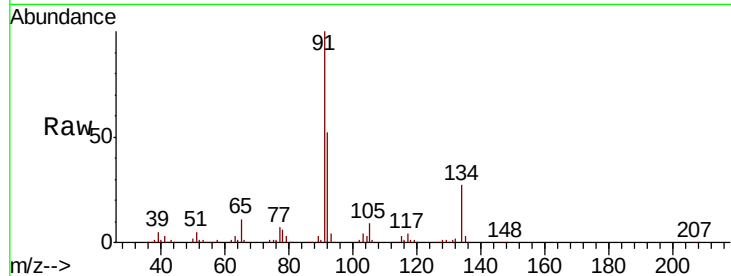
ClientSampleId :

VN0918WBSD01

Tgt Ion:	91	Resp:	260695
Ion Ratio	Lower	Upper	
91	100		
92	51.1	0.0	101.8
134	26.3	0.0	52.2

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#86

Hexachloroethane

Concen: 18.203 ug/l

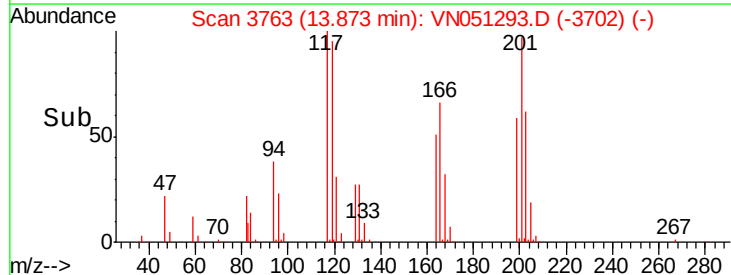
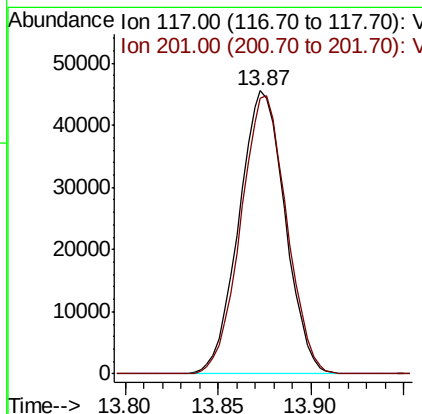
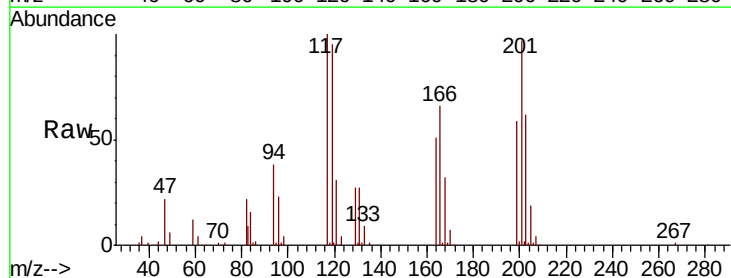
RT: 13.87 min Scan# 3763

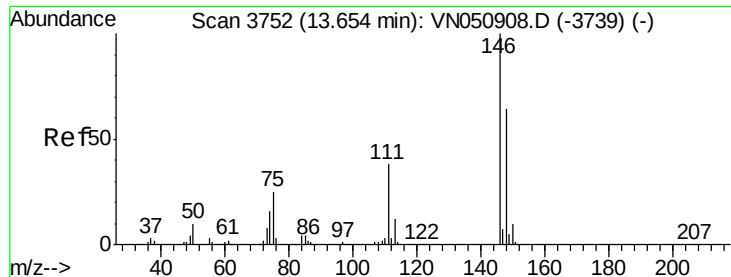
Delta R.T. -0.00 min

Lab File: VN051293.D

Acq: 18 Sep 2018 13:22

Tgt Ion:	117	Resp:	78863
Ion Ratio	Lower	Upper	
117	100		
201	97.7	45.8	137.4





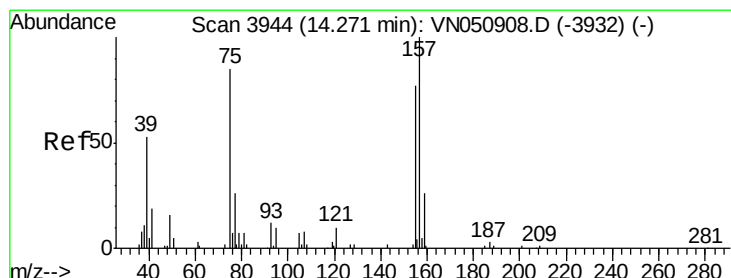
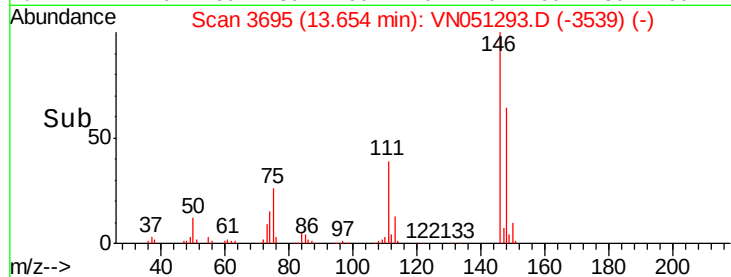
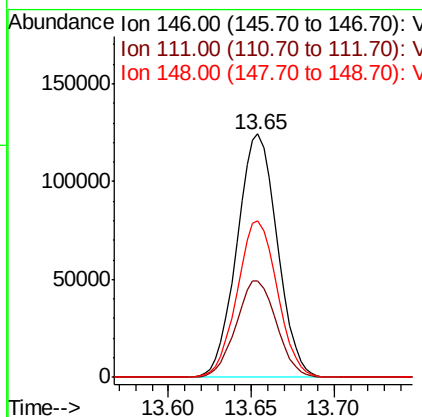
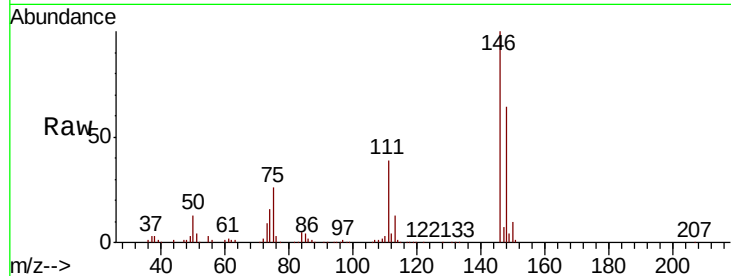
#87
 1,2-Dichlorobenzene
 Concen: 17.049 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	210223		
111	39.7	19.1	57.1	
148	64.1	31.9	95.9	

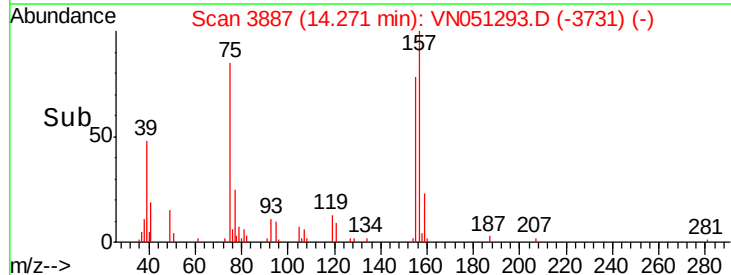
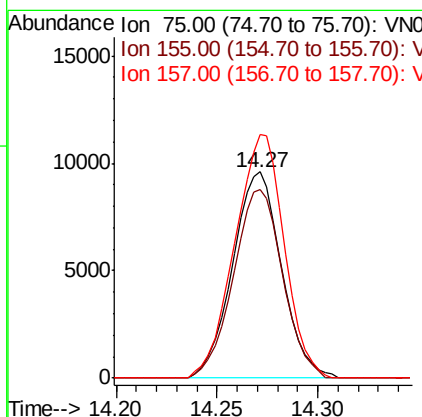
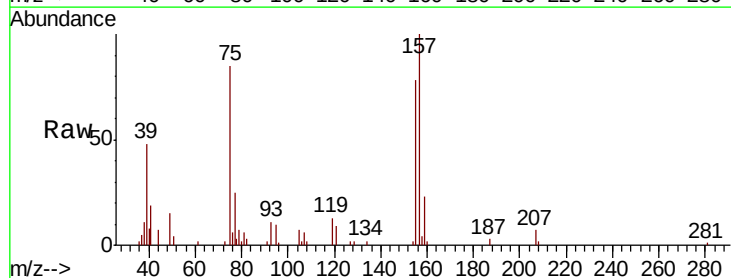
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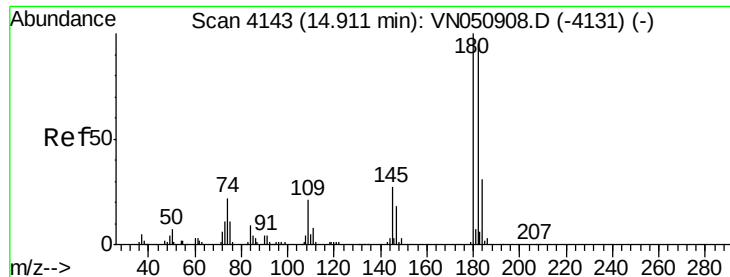
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 15.318 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16340		
155	91.4	71.8	107.6	
157	118.8	91.1	136.7	





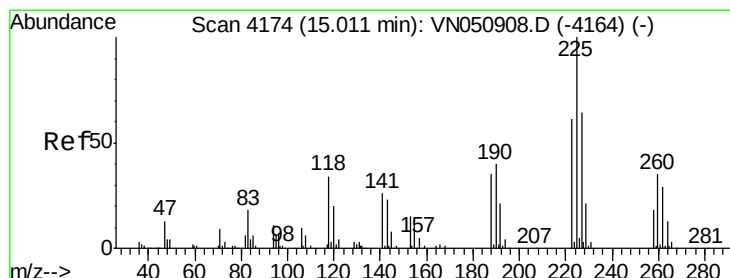
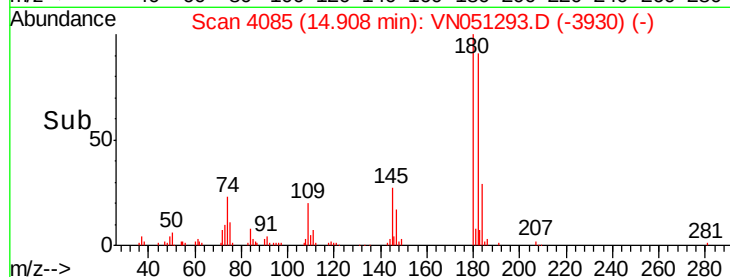
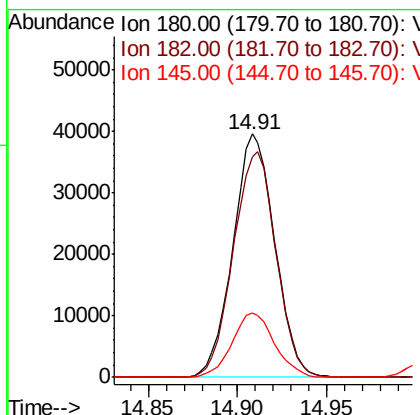
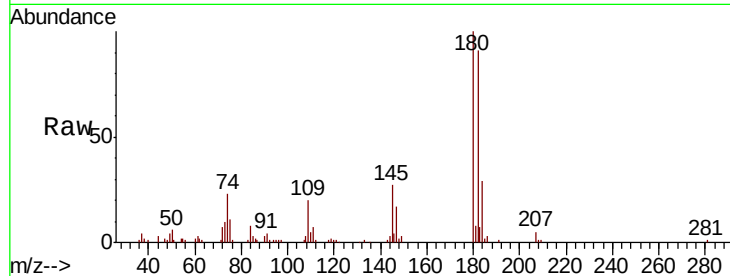
#89
 1,2,4-Trichlorobenzene
 Concen: 11.818 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.2	114.4
145	26.9	22.2	33.4

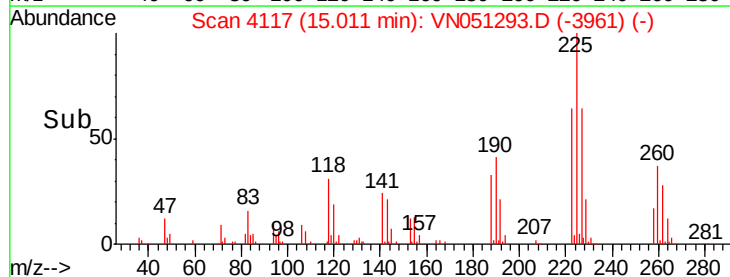
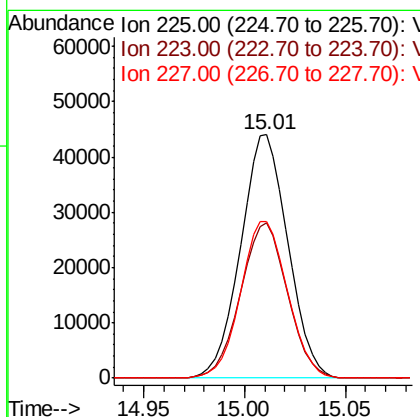
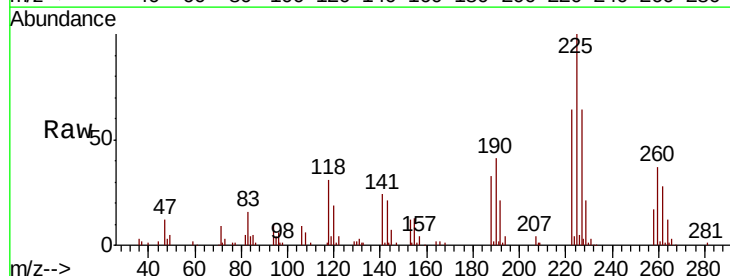
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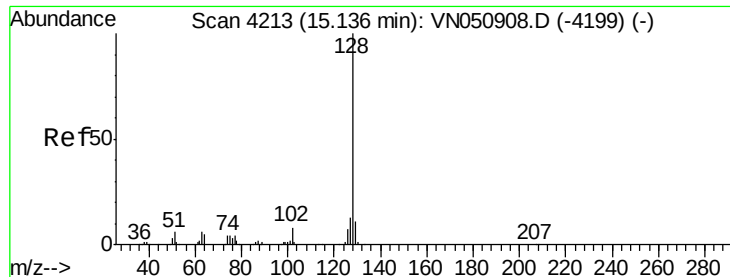
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#90
 Hexachlorobutadiene
 Concen: 19.363 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051293.D
 Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	0.0	127.8
227	63.9	0.0	128.4





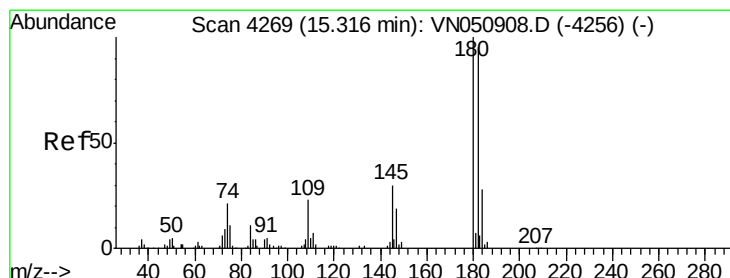
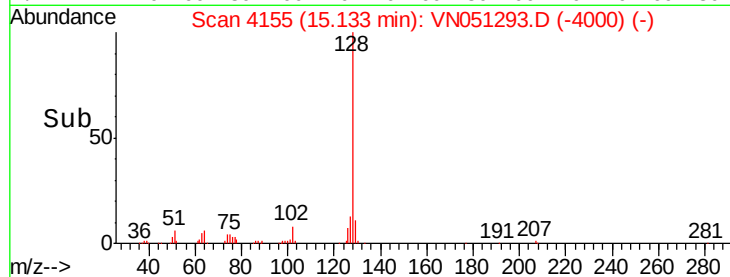
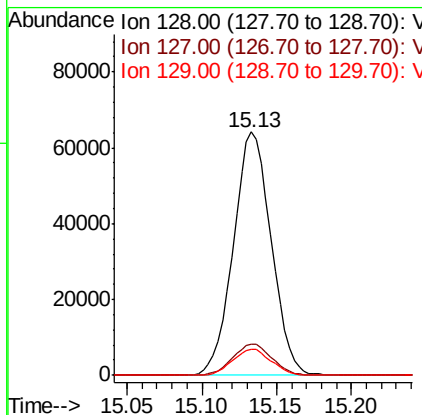
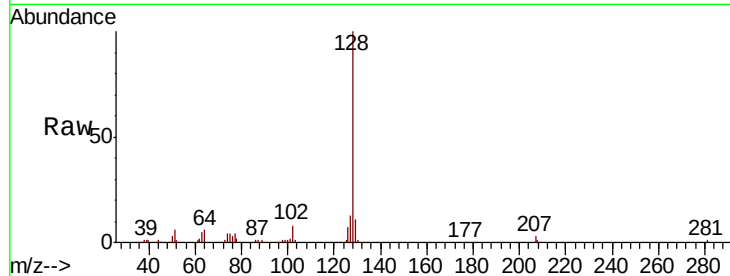
#91
Naphthalene
Concen: 15.152 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	112803		
127	13.3	10.6	16.0	
129	11.1	8.7	13.1	

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#92
1,2,3-Trichlorobenzene
Concen: 13.133 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051293.D
Acq: 18 Sep 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	72341		
182	97.8	0.0	192.8	
145	30.4	0.0	60.0	

