

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092418\
 Data File : VN051446.D
 Acq On : 24 Sep 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:30:58 AM

Quant Time: Sep 25 02:06:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	517829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	691009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	632824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	333018	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	311102	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
35) Dibromofluoromethane	7.59	113	275758	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	10.09	98	1039544	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.40	95	338810	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	221022	45.750	ug/l	99
3) Chloromethane	2.06	50	369445	48.039	ug/l	98
4) Vinyl Chloride	2.18	62	404120	47.610	ug/l	98
5) Bromomethane	2.56	94	239935	47.172	ug/l	100
6) Chloroethane	2.70	64	252727	47.783	ug/l	98
7) Trichlorofluoromethane	3.01	101	520823	46.845	ug/l	99
8) Diethyl Ether	3.41	74	145946	41.419	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	276050	43.994	ug/l	98
10) Methyl Iodide	3.95	142	369900	44.408	ug/l	97
11) Tert butyl alcohol	4.78	59	73897	201.852	ug/l #	93
12) 1,1-Dichloroethene	3.73	96	236491	41.047	ug/l	99
13) Acrolein	3.61	56	74813	205.794	ug/l	98
14) Allyl chloride	4.32	41	415460	42.980	ug/l	99
15) Acrylonitrile	4.99	53	432609	217.228	ug/l	98
16) Acetone	3.82	43	336348	231.552	ug/l	99
17) Carbon Disulfide	4.05	76	718732	42.461	ug/l	100
18) Methyl Acetate	4.32	43	218092	44.146	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	663411	44.653	ug/l	98
20) Methylene Chloride	4.55	84	290232	45.215	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	265641	45.071	ug/l	99
22) Diisopropyl ether	5.95	45	901519	48.248	ug/l	98
23) Vinyl Acetate	5.90	43	2842294	231.700	ug/l	99
24) 1,1-Dichloroethane	5.85	63	522119	46.833	ug/l	99
25) 2-Butanone	6.84	43	506885	228.301	ug/l	96
26) 2,2-Dichloropropane	6.82	77	438372	50.373	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	299567	46.322	ug/l	97
28) Bromochloromethane	7.19	49	253937	49.324	ug/l	98
29) Tetrahydrofuran	7.21	42	317890	225.935	ug/l	98
30) Chloroform	7.37	83	531927	48.152	ug/l	99
31) Cyclohexane	7.65	56	469210	45.937	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	457264	48.419	ug/l	99
36) 1,1-Dichloropropene	7.79	75	402483	50.298	ug/l	98
37) Ethyl Acetate	6.93	43	219399	47.686	ug/l	99
38) Carbon Tetrachloride	7.77	117	421688	50.382	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	473557	50.624	ug/l	97
40) Benzene	8.04	78	1181151	50.271	ug/l	100
41) Methacrylonitrile	7.17	41	96366	37.859	ug/l #	87
42) 1,2-Dichloroethane	8.12	62	381194	50.668	ug/l	99
43) Isopropyl Acetate	8.16	43	418431	50.295	ug/l	96
44) Trichloroethene	8.83	130	305012	48.875	ug/l	99
45) 1,2-Dichloropropane	9.12	63	321624	50.357	ug/l	99
46) Dibromomethane	9.21	93	182863	50.673	ug/l	98
47) Bromodichloromethane	9.40	83	407701	51.052	ug/l	100
48) Methyl methacrylate	9.20	41	201272	48.524	ug/l	99
49) 1,4-Dioxane	9.20	88	47291	930.294	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1098820	240.154	ug/l	100
52) Toluene	10.16	92	732624	50.174	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	403927	50.099	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	471943	50.476	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	257032	49.808	ug/l	99
56) Ethyl methacrylate	10.43	69	310145	49.157	ug/l	99
57) 1,3-Dichloropropane	10.71	76	440657	49.820	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	811674	238.717	ug/l	100
59) 2-Hexanone	10.75	43	743734	250.744	ug/l	98
60) Dibromochloromethane	10.90	129	306972	50.417	ug/l	99
61) 1,2-Dibromoethane	11.00	107	248135	49.532	ug/l	98
64) Tetrachloroethene	10.63	164	301811	52.551	ug/l	99
65) Chlorobenzene	11.43	112	789303	48.614	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	310570	50.207	ug/l	99
67) Ethyl Benzene	11.51	91	1376839	50.318	ug/l	100
68) m/p-Xylenes	11.62	106	1089302	102.920	ug/l	100
69) o-Xylene	11.95	106	504178	49.552	ug/l	97
70) Styrene	11.96	104	828848	51.408	ug/l	100
71) Bromoform	12.13	173	198916	47.391	ug/l	100
73) Isopropylbenzene	12.25	105	1382472	49.202	ug/l	100
74) N-amyl acetate	12.07	43	325363	46.151	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	299697	45.740	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	259858m	47.005	ug/l	
77) Bromobenzene	12.53	156	337243	47.412	ug/l	99
78) n-propylbenzene	12.59	91	1599001	50.494	ug/l	99
79) 2-Chlorotoluene	12.67	91	932915	49.216	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1169974	51.065	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	82886	46.102	ug/l	97
82) 4-Chlorotoluene	12.77	91	940165	49.693	ug/l	99
83) tert-Butylbenzene	12.99	119	1010753	49.564	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1181042	51.156	ug/l	99
85) sec-Butylbenzene	13.17	105	1390205	50.391	ug/l	100
86) p-Isopropyltoluene	13.29	119	1220142	51.112	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	603297	49.012	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	580598	49.022	ug/l	98
89) n-Butylbenzene	13.61	91	998855	50.884	ug/l	99
90) Hexachloroethane	13.87	117	229186	48.185	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	575651	48.199	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43105	46.098	ug/l	94

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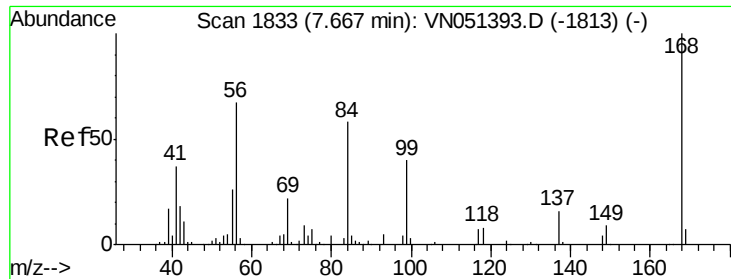
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	278902	44.115	ug/l	100
94) Hexachlorobutadiene	15.01	225	223978	49.566	ug/l	98
95) Naphthalene	15.13	128	464093	39.496	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	270451	47.187	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 517829

Ion Ratio Lower Upper

168 100

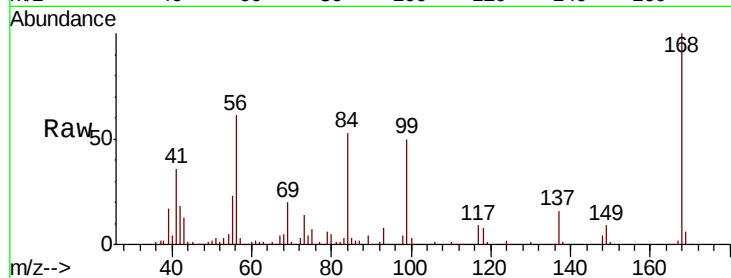
99 49.9 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

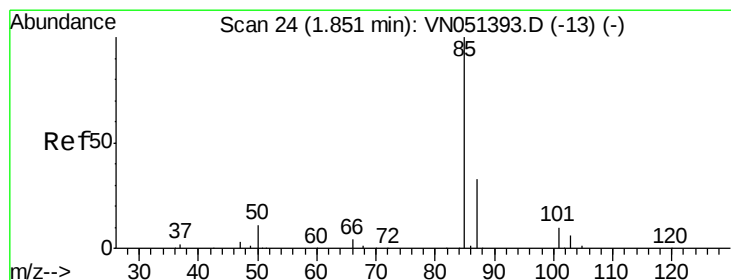
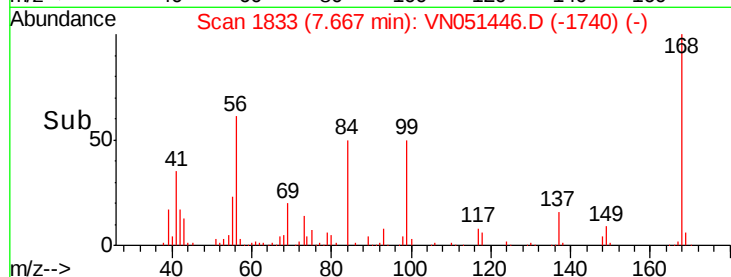
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.750 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051446.D

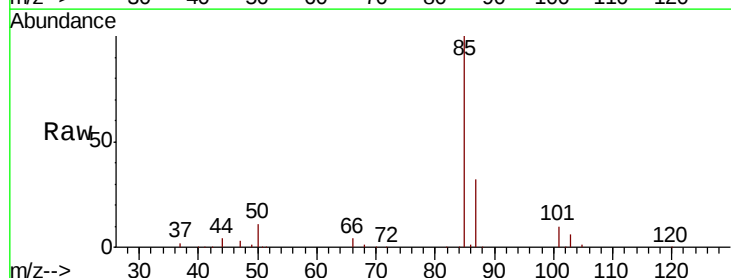
Acq: 24 Sep 2018 8:26

Tgt Ion: 85 Resp: 221022

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

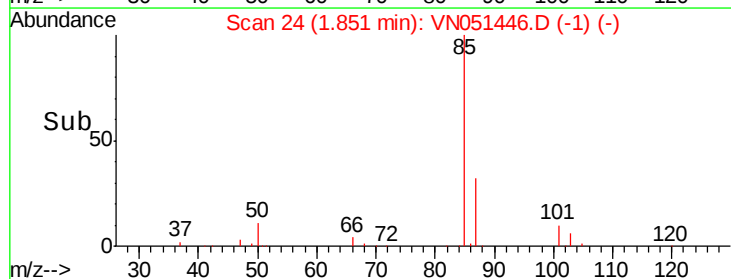
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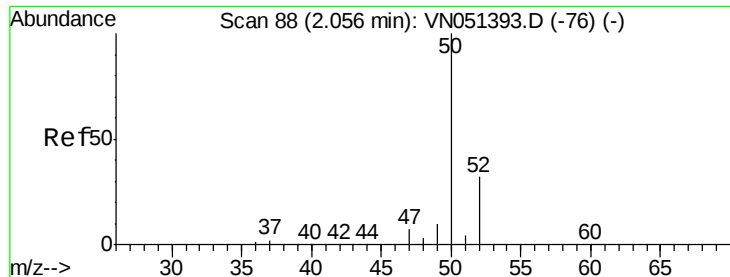
100000

50000

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Time-->





#3

Chloromethane

Concen: 48.039 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 369445

Ion Ratio Lower Upper

50 100

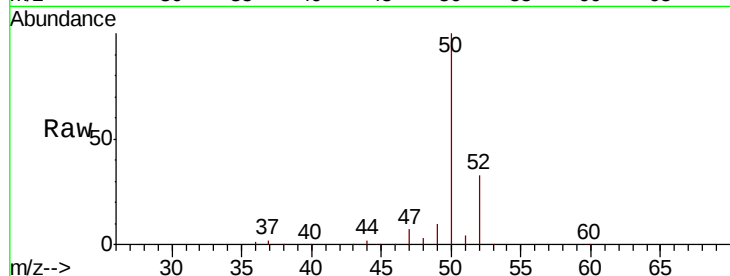
52 33.0 25.7 38.5

Manual Integrations

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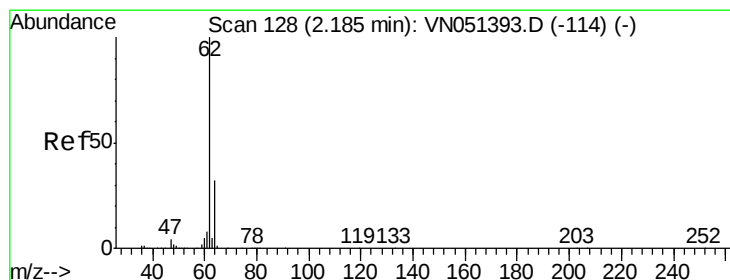
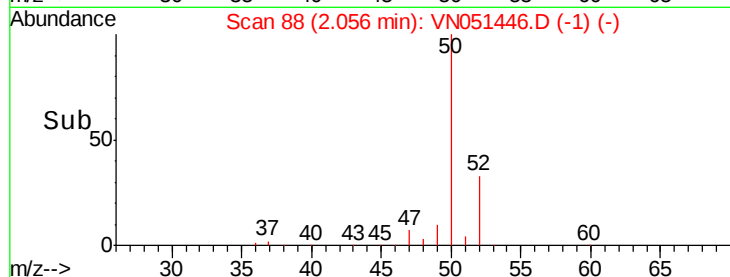
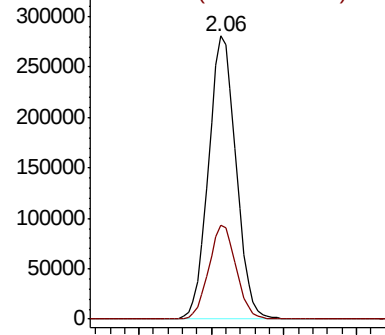
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 47.610 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051446.D

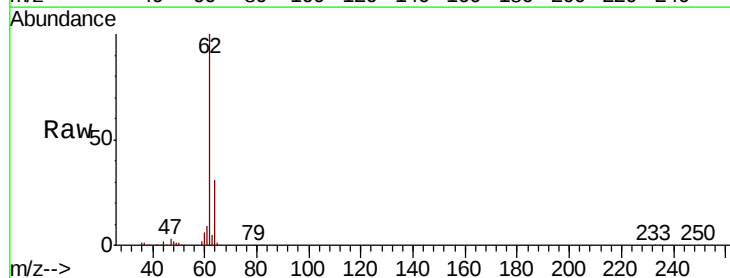
Acq: 24 Sep 2018 8:26

Tgt Ion: 62 Resp: 404120

Ion Ratio Lower Upper

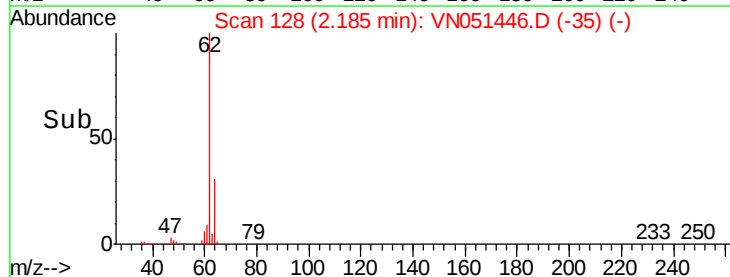
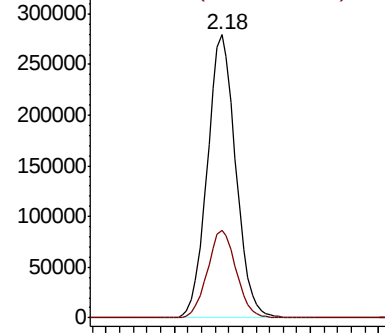
62 100

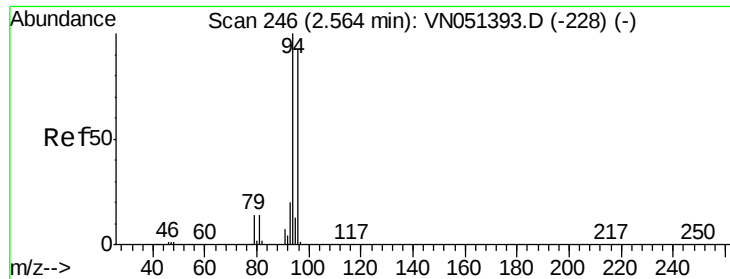
64 30.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 47.172 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 239935

Ion Ratio Lower Upper

94 100

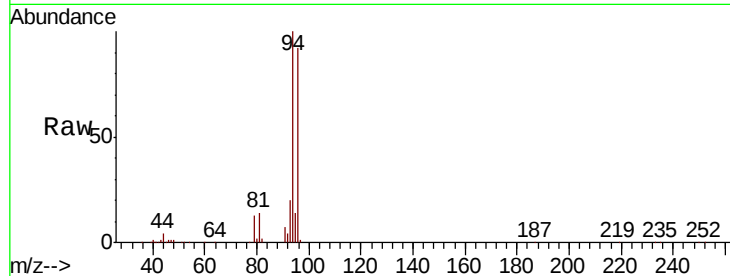
96 92.0 73.6 110.4

Manual Integrations

APPROVED

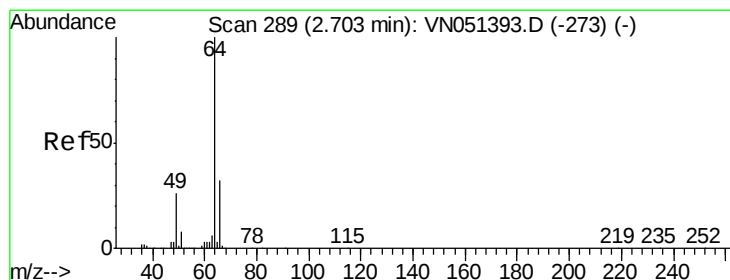
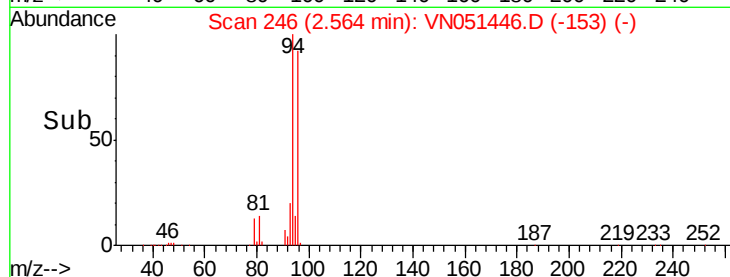
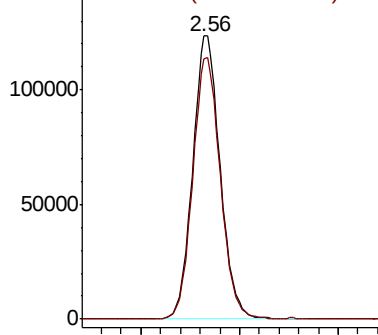
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.783 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051446.D

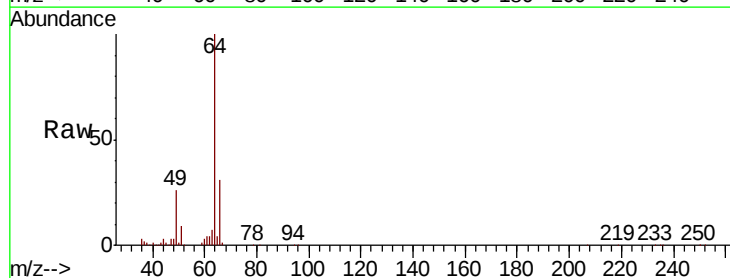
Acq: 24 Sep 2018 8:26

Tgt Ion: 64 Resp: 252727

Ion Ratio Lower Upper

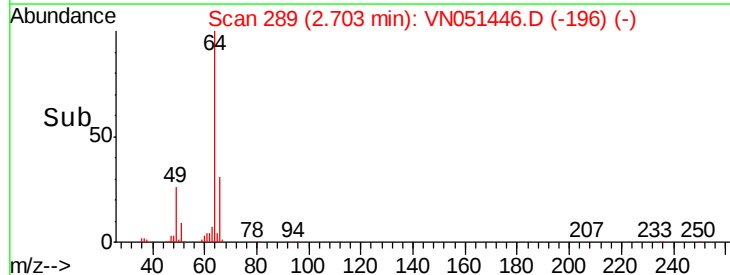
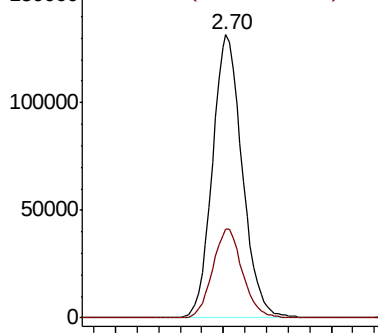
64 100

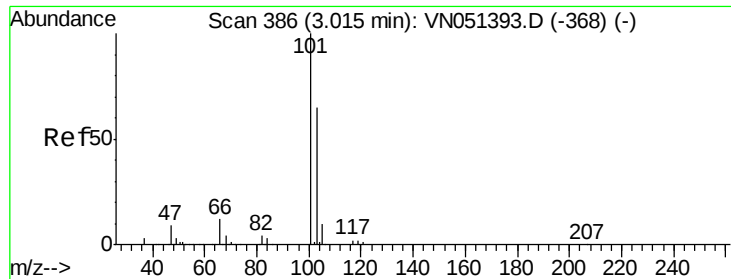
66 31.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

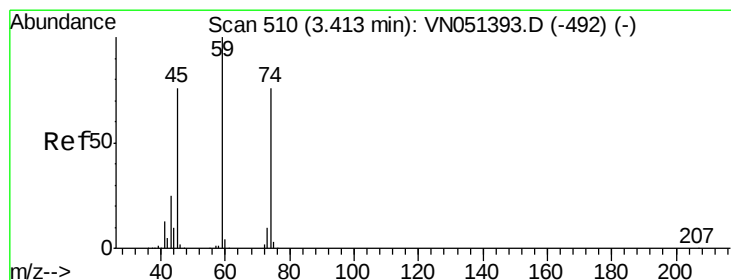
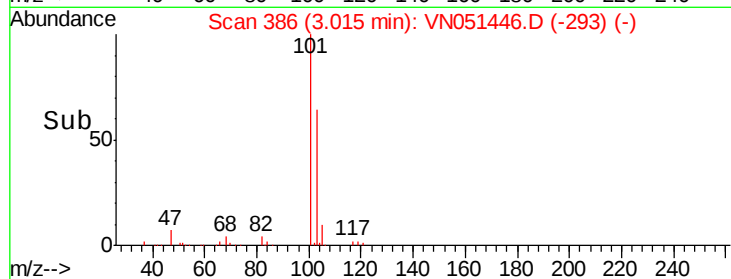
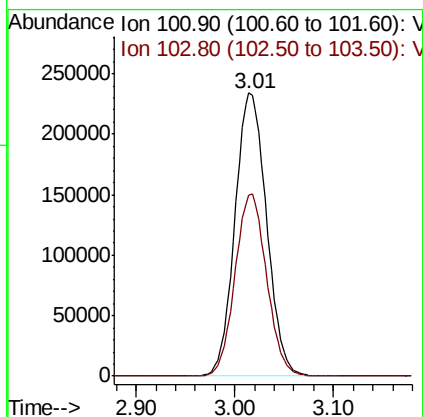
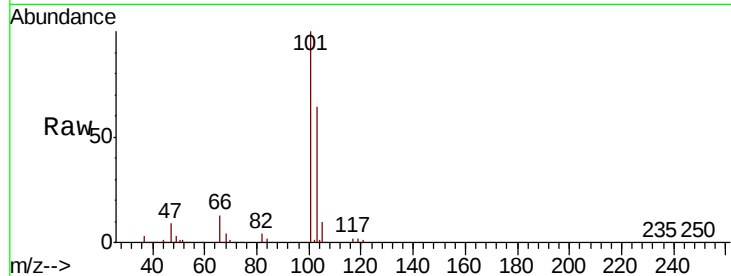
Trichlorofluoromethane
 Concen: 46.845 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	520823		
103	63.9	51.8	77.8	

Manual Integrations
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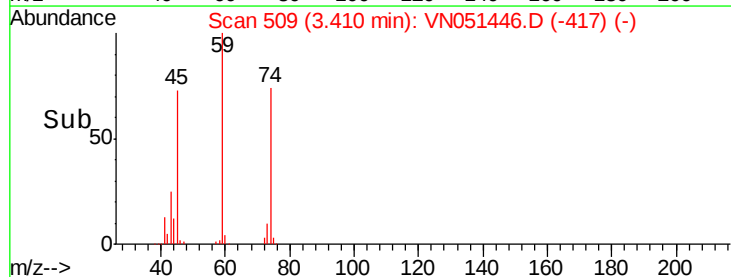
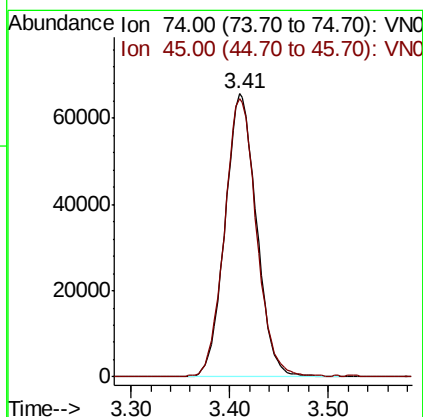
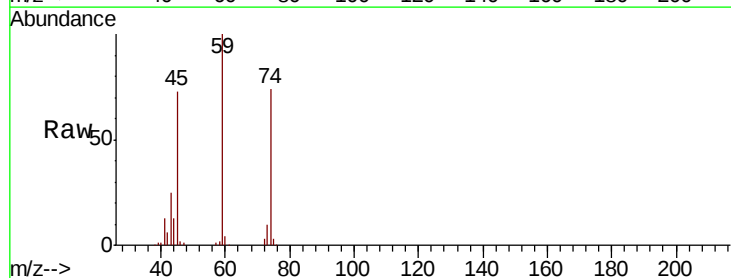
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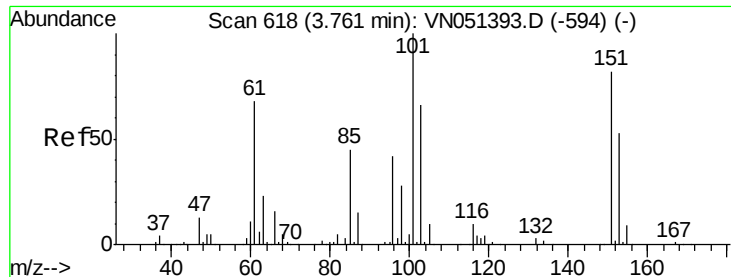


#8

Diethyl Ether
 Concen: 41.419 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	145946		
45	100.1	50.2	150.7	





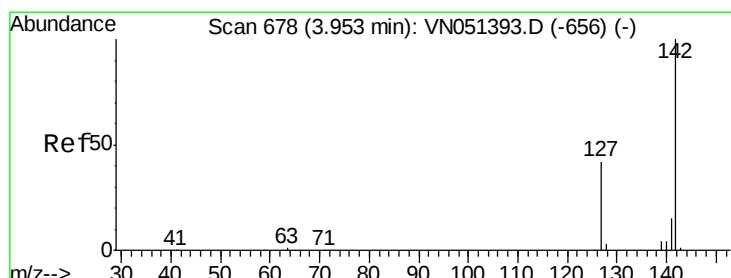
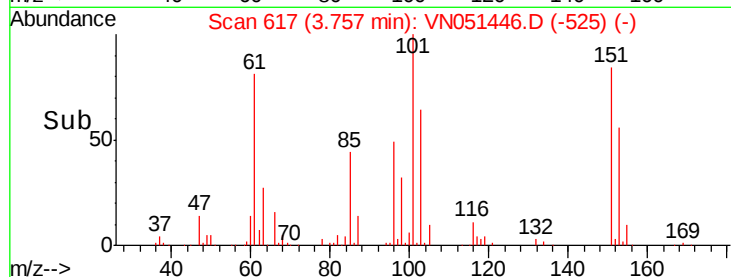
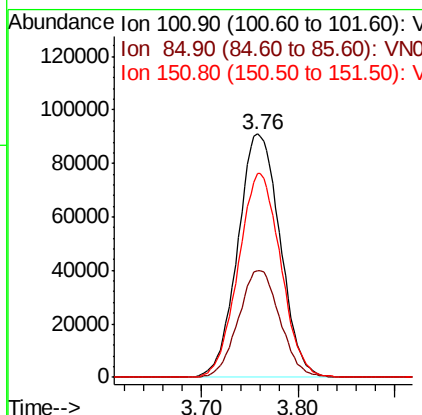
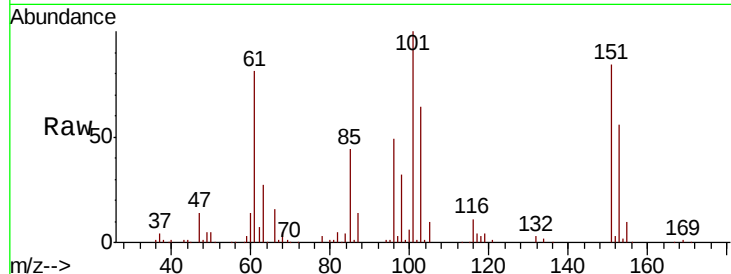
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 43.994 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	276050		
85	43.1	33.9	50.9	
151	83.9	65.2	97.8	

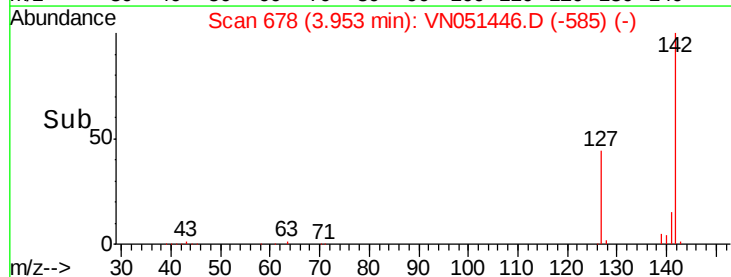
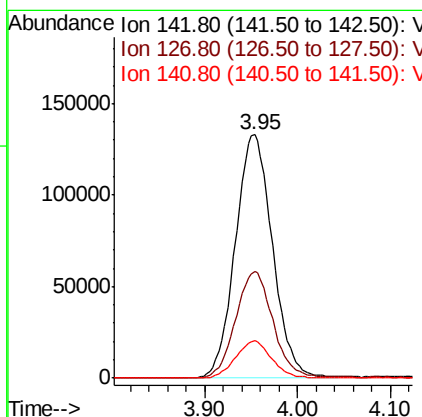
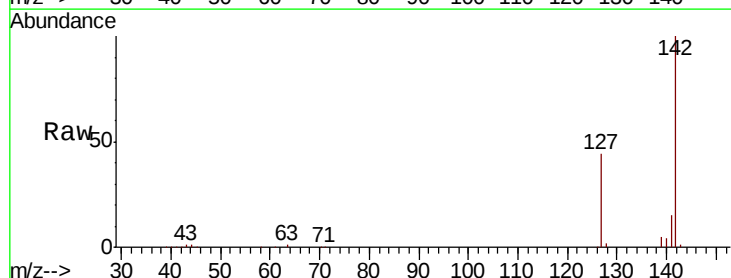
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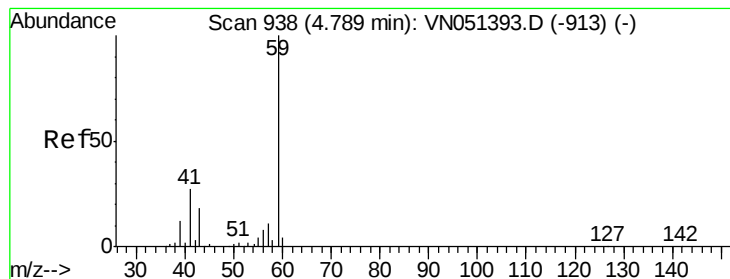
MMDadoda
 9/25/2018 11:30:58 AM



#10
 Methyl Iodide
 Concen: 44.408 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	369900		
127	43.8	33.2	49.8	
141	14.8	11.5	17.3	





#11

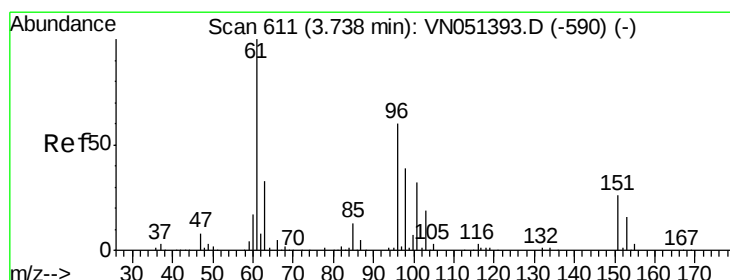
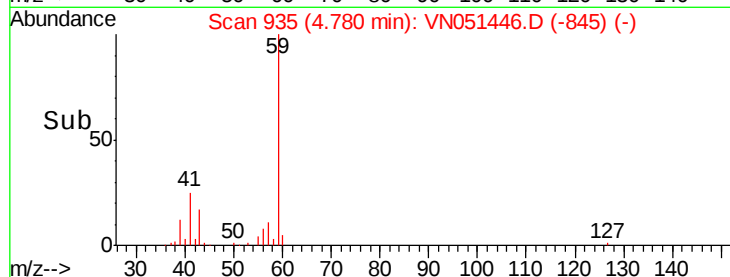
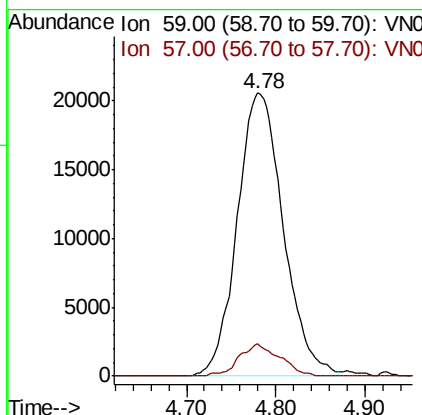
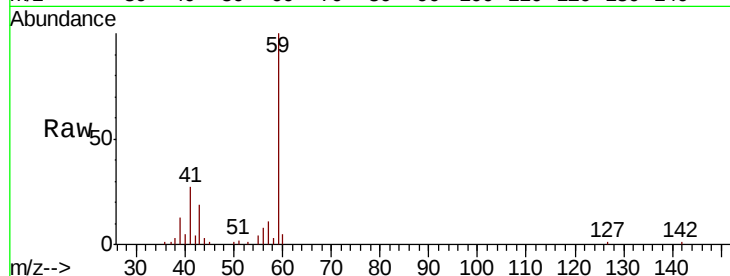
Tert butyl alcohol
 Concen: 201.852 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	6.2	9.2#

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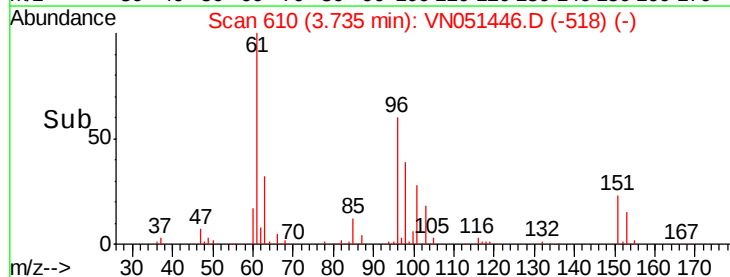
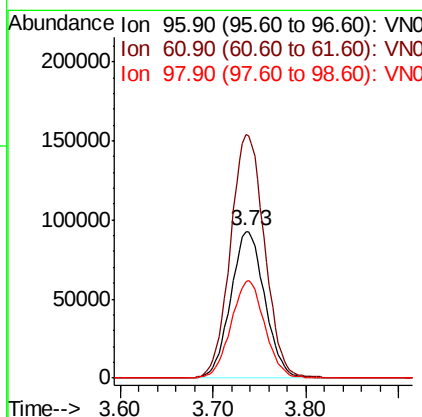
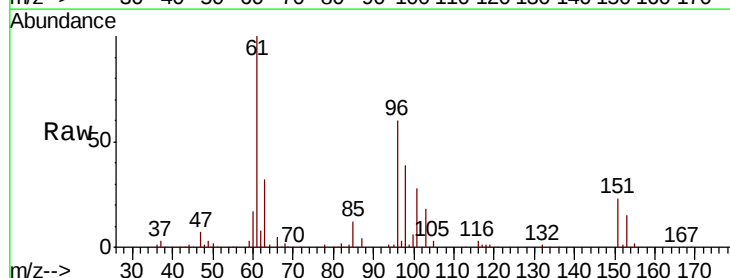
MMDadoda
 9/25/2018 11:30:58 AM

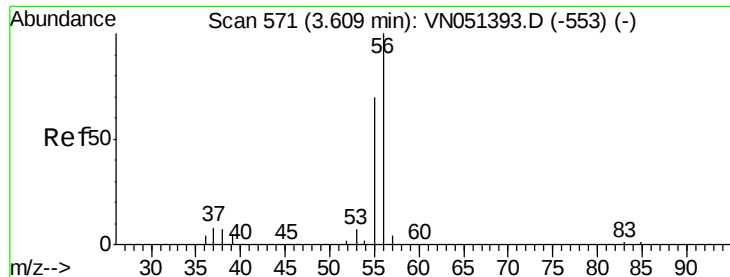


#12

1,1-Dichloroethene
 Concen: 41.047 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.7	133.6	200.4
98	65.2	52.2	78.2





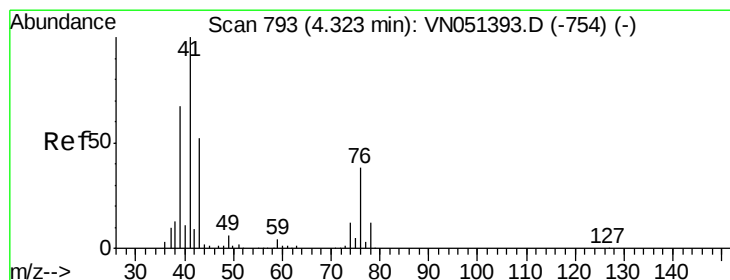
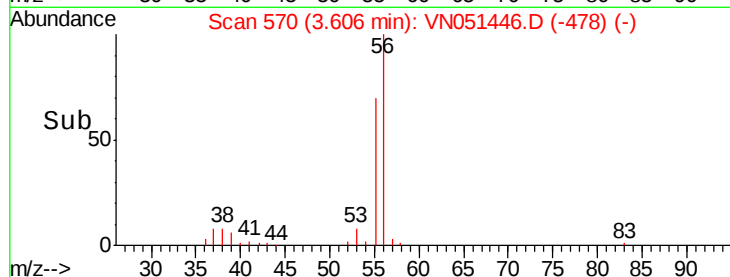
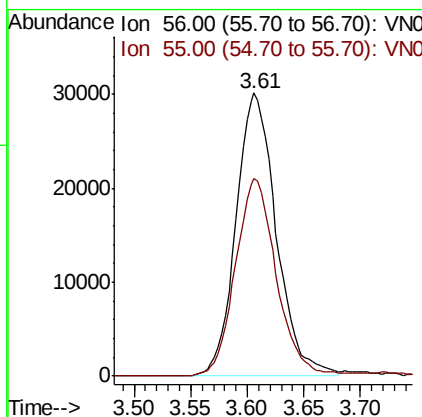
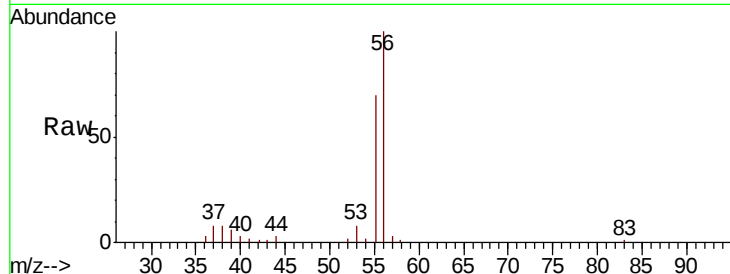
#13
Acrolein
Concen: 205.794 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.9	57.8	86.8

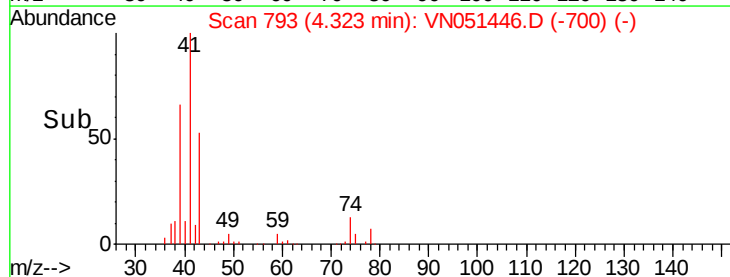
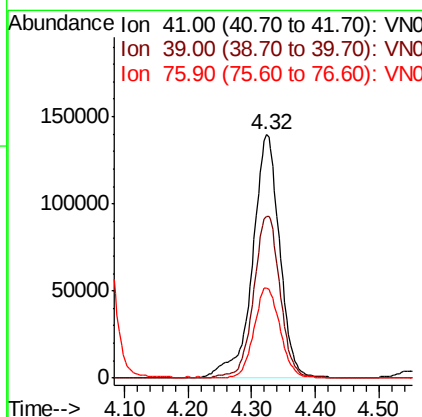
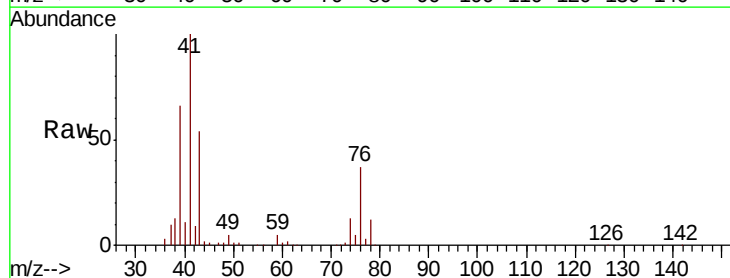
Manual Integrations
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#14
Allyl chloride
Concen: 42.980 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.1	51.4	77.2
76	34.8	28.1	42.1





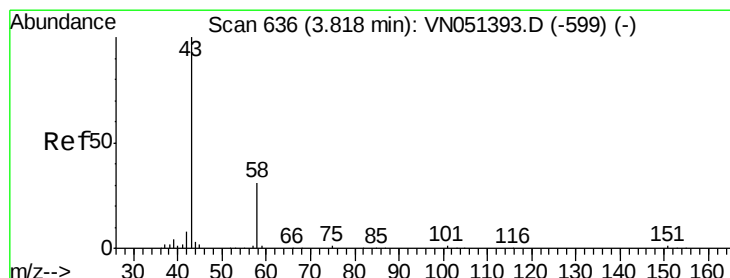
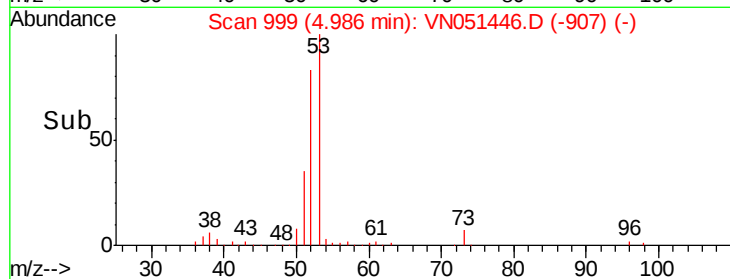
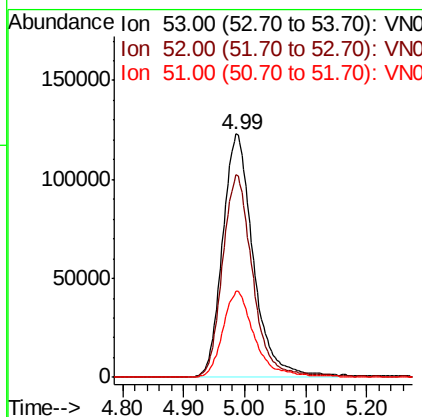
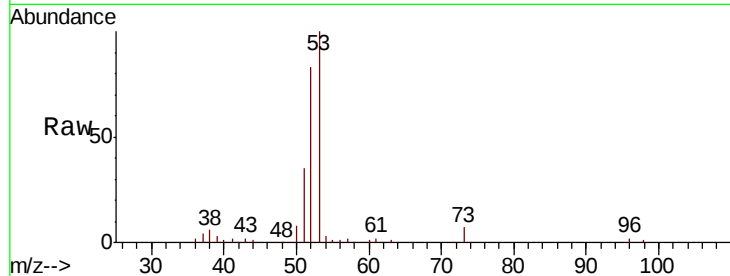
#15
 Acrylonitrile
 Concen: 217.228 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	432609
Ion	Ratio	Lower	Upper
53	100		
52	80.8	66.2	99.2
51	36.2	28.6	42.8

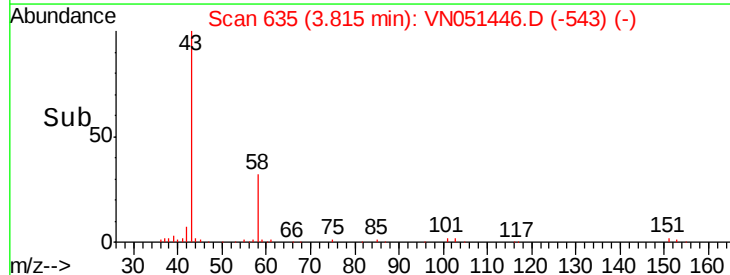
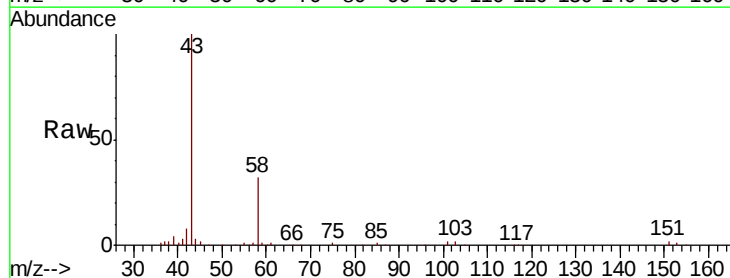
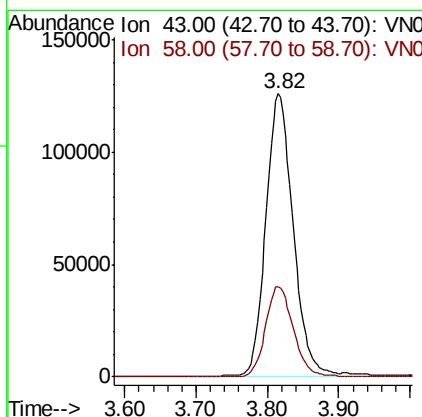
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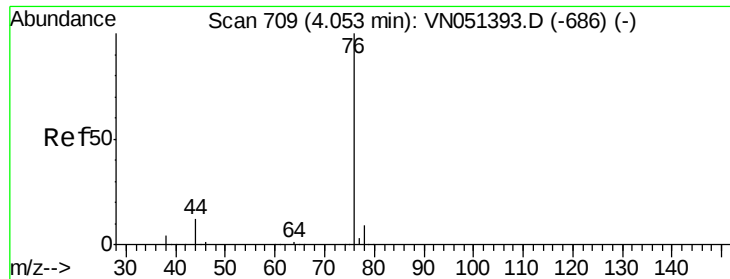
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#16
 Acetone
 Concen: 231.552 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion:	43	Resp:	336348
Ion	Ratio	Lower	Upper
43	100		
58	32.0	25.0	37.4





#17

Carbon Disulfide

Concen: 42.461 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 718732

Ion Ratio Lower Upper

76 100

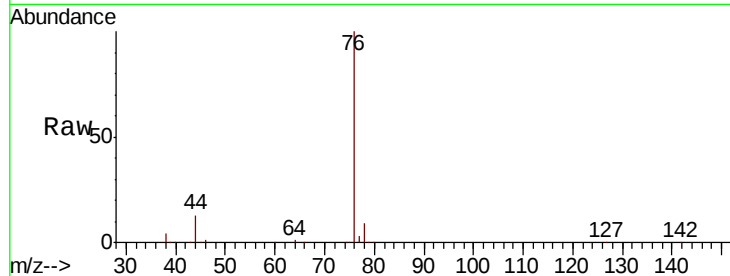
78 9.1 7.3 10.9

Manual Integrations

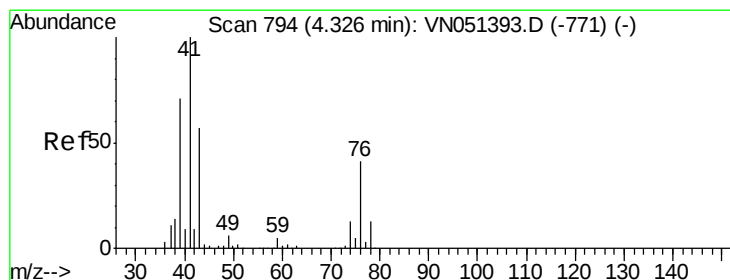
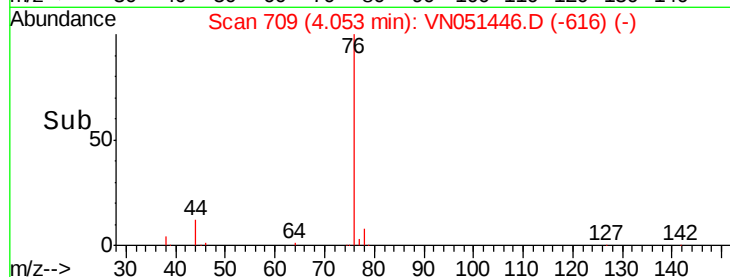
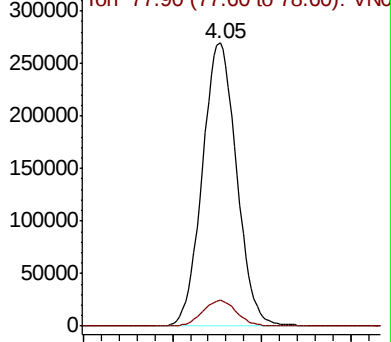
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Abundance Ion 75.90 (75.60 to 76.60): VN051393.D (-686) (-)



#18

Methyl Acetate

Concen: 44.146 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051446.D

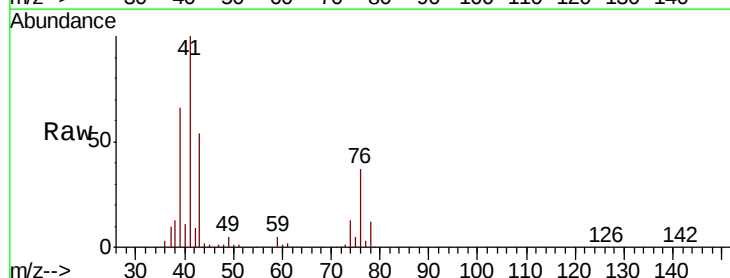
Acq: 24 Sep 2018 8:26

Tgt Ion: 43 Resp: 218092

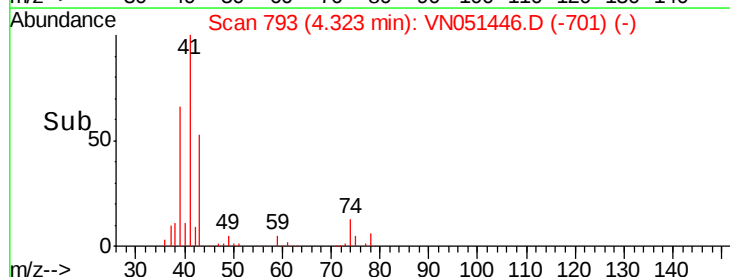
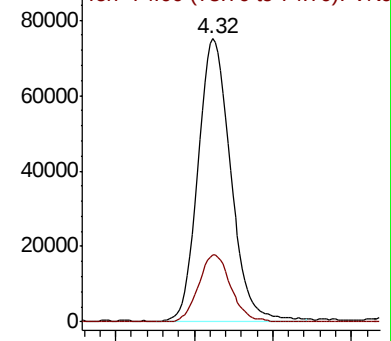
Ion Ratio Lower Upper

43 100

74 23.4 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-771) (-)





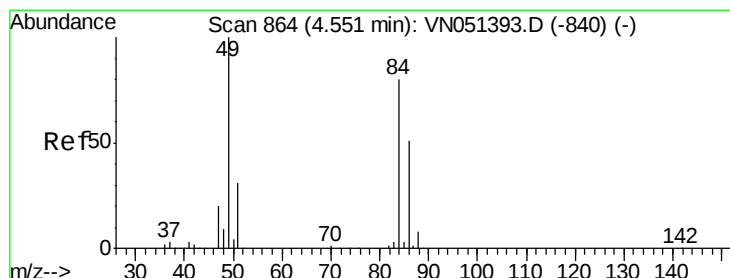
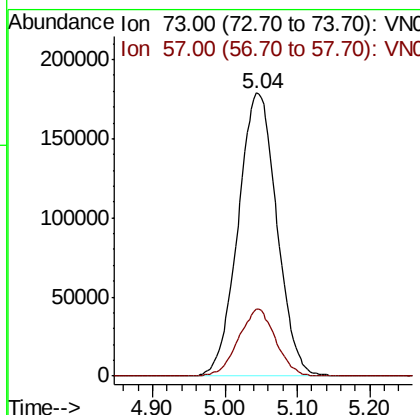
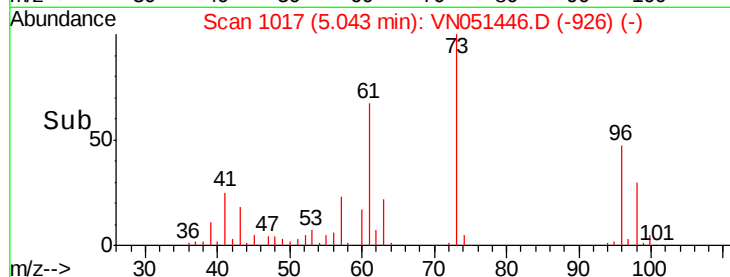
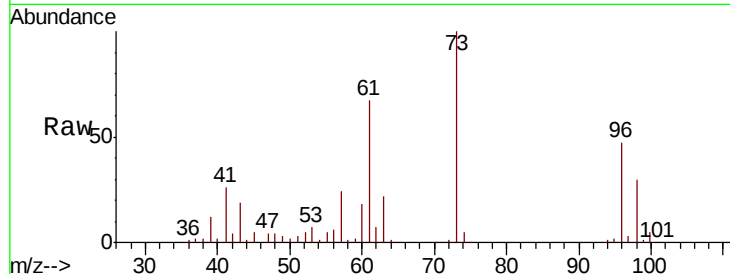
#19
Methvl tert-butvl Ether
Concen: 44.653 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 663411
Ion Ratio Lower Upper
73 100
57 23.6 18.3 27.5

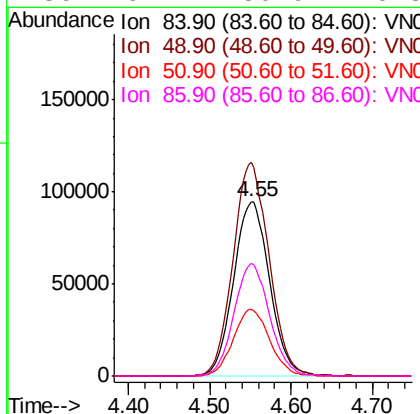
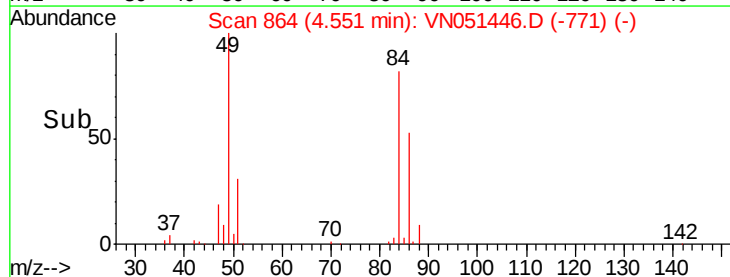
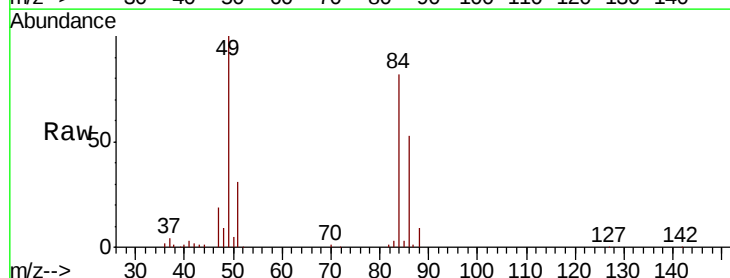
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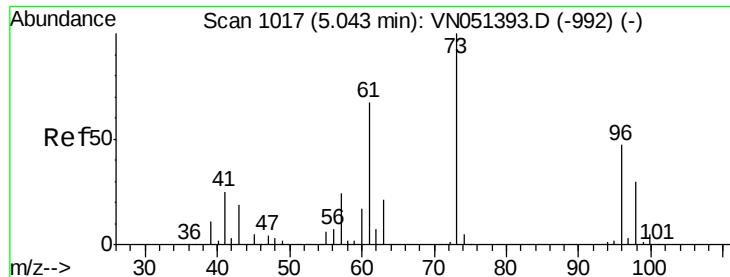
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#20
Methylene Chloride
Concen: 45.215 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion: 84 Resp: 290232
Ion Ratio Lower Upper
84 100
49 122.6 99.9 149.9
51 38.3 31.4 47.2
86 64.4 50.9 76.3





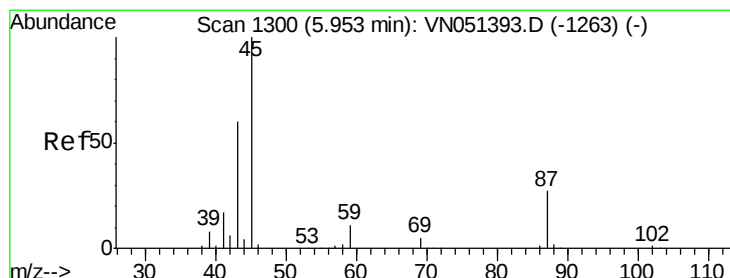
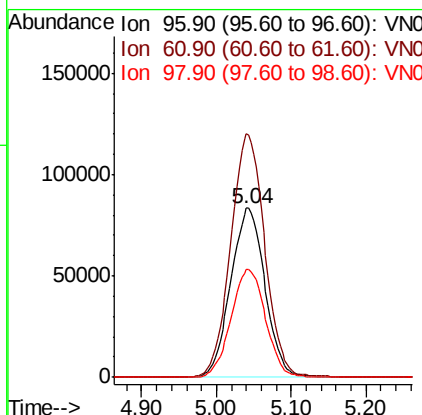
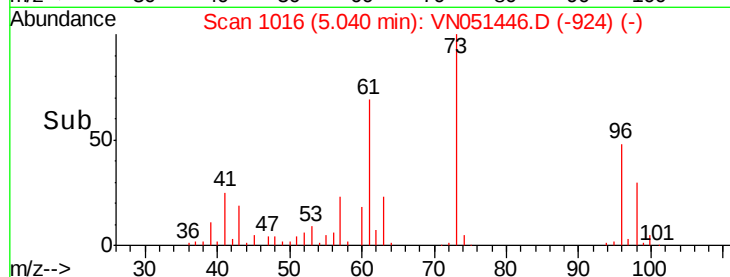
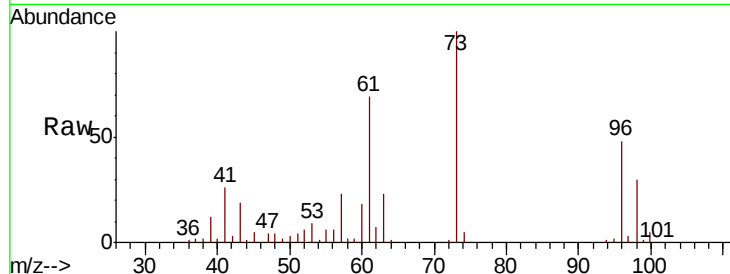
#21
trans-1,2-Dichloroethene
Concen: 45.071 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.1	113.4	170.2
98	63.6	51.1	76.7

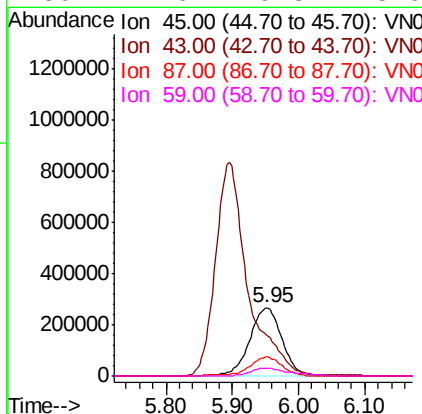
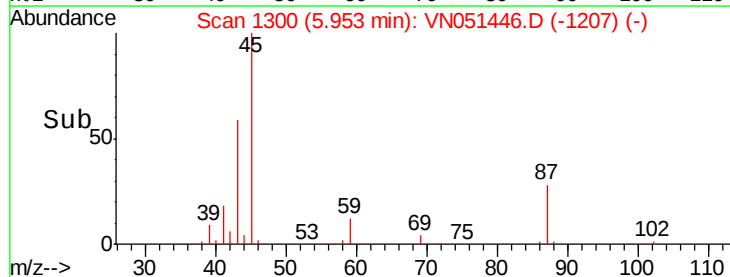
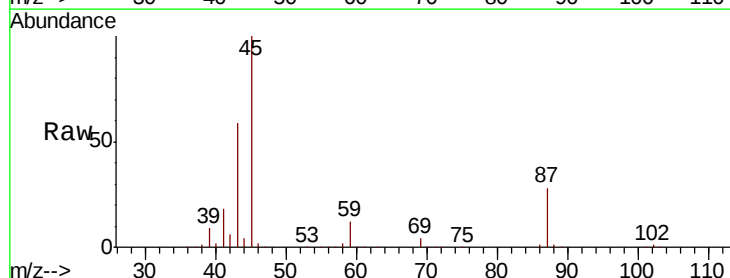
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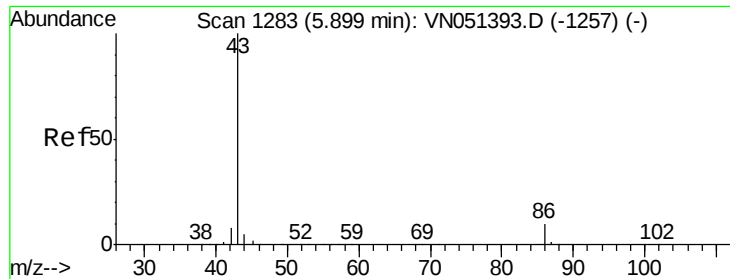
MMDadoda
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#22
Diisopropyl ether
Concen: 48.248 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	47.7	71.5
87	27.4	22.0	33.0
59	11.6	9.3	13.9





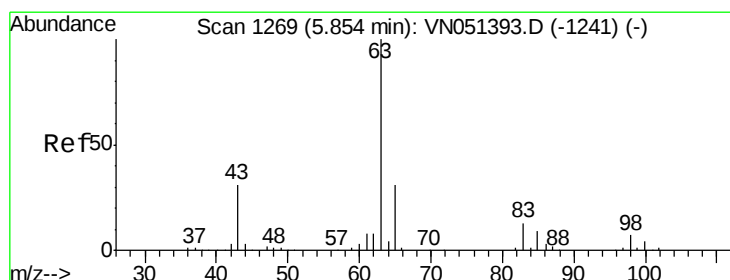
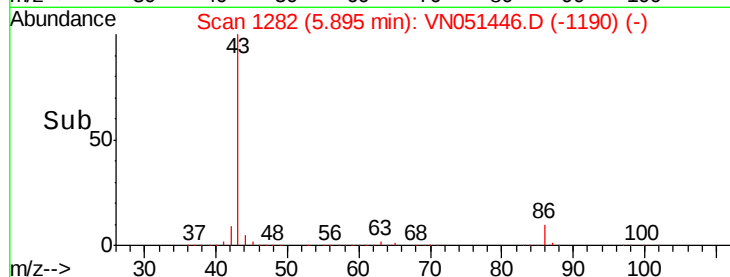
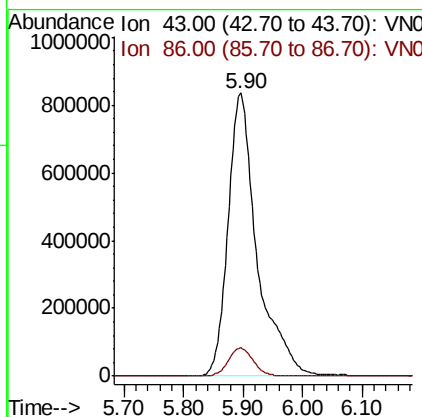
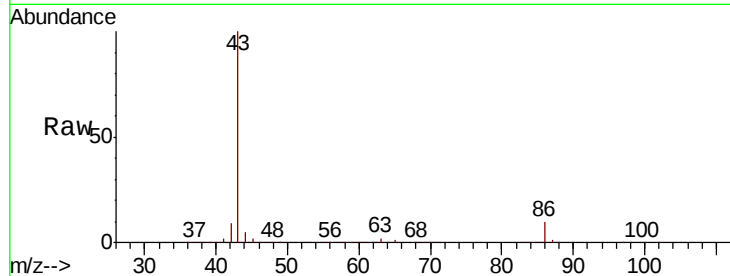
#23
 Vinyl Acetate
 Concen: 231.700 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2842294
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.2 12.2

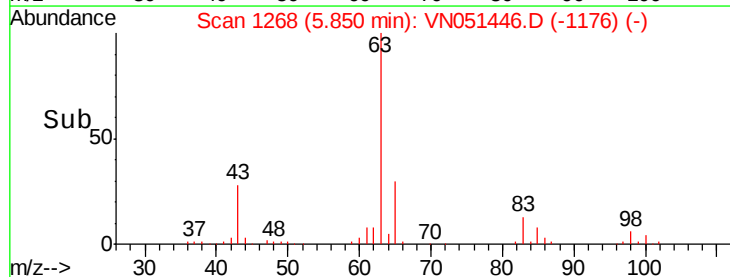
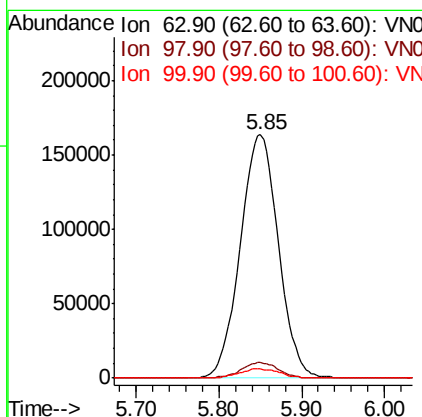
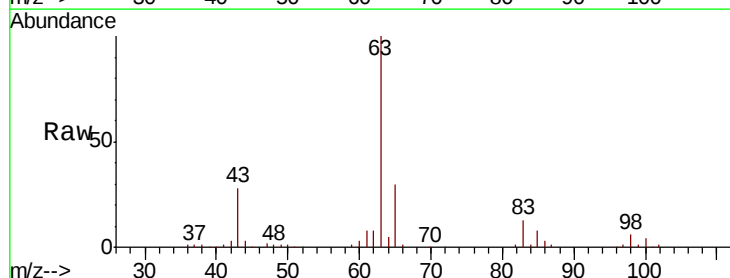
Manual Integrations
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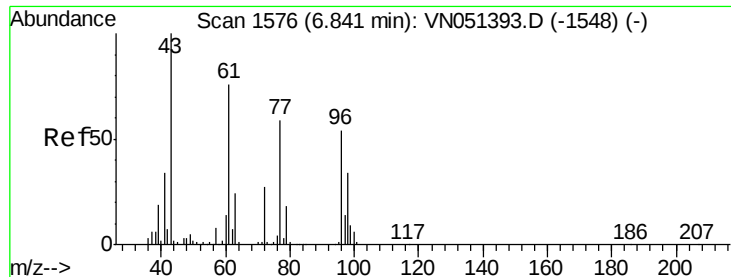
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#24
 1,1-Dichloroethane
 Concen: 46.833 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion: 63 Resp: 522119
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.4 10.1
 100 3.8 2.2 6.6





#25

2-Butanone

Concen: 228.301 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 506885

Ion Ratio Lower Upper

43 100

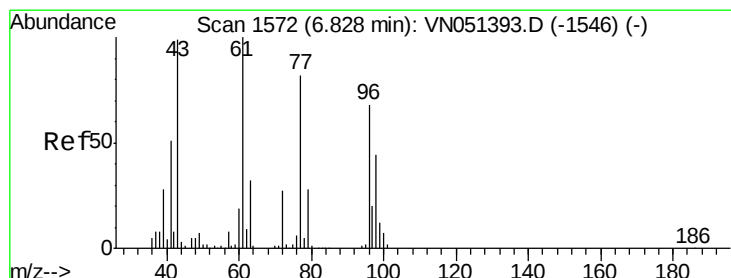
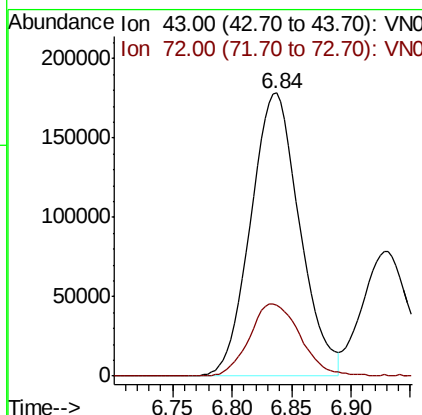
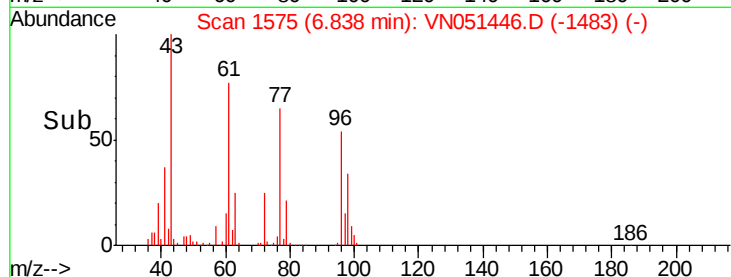
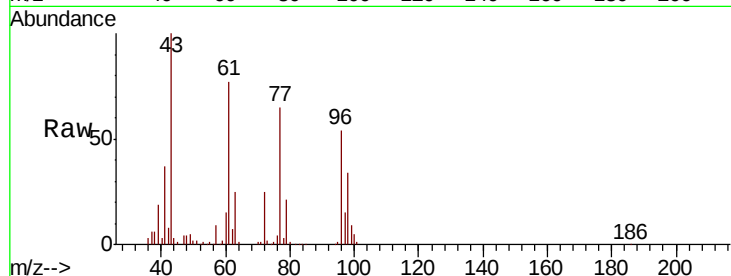
72 25.1 21.8 32.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.373 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051446.D

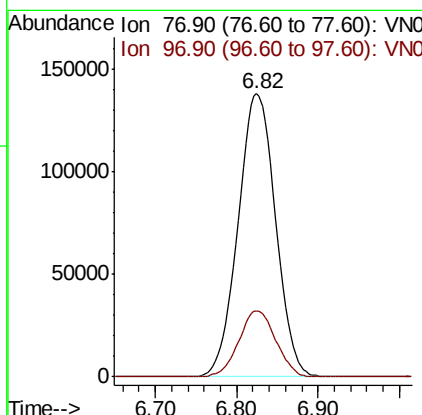
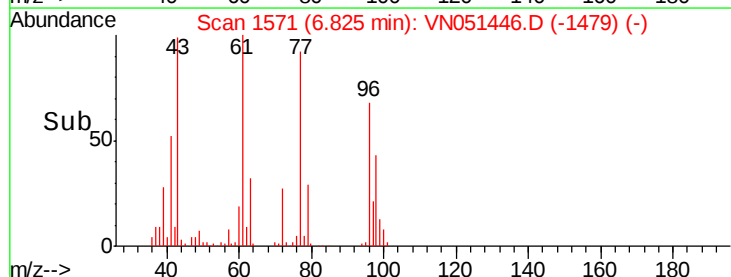
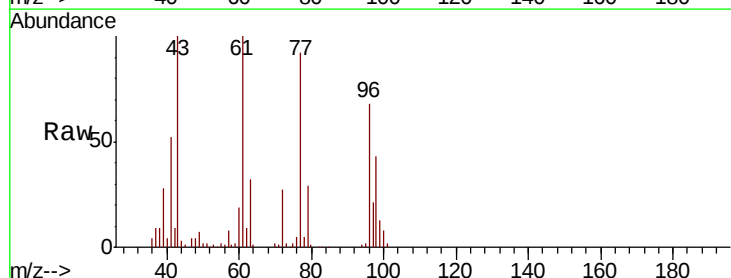
Acq: 24 Sep 2018 8:26

Tgt Ion: 77 Resp: 438372

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 46.322 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

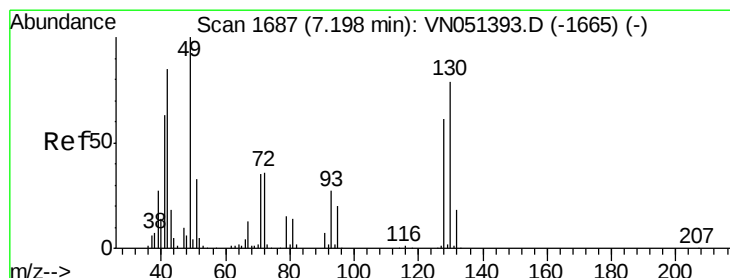
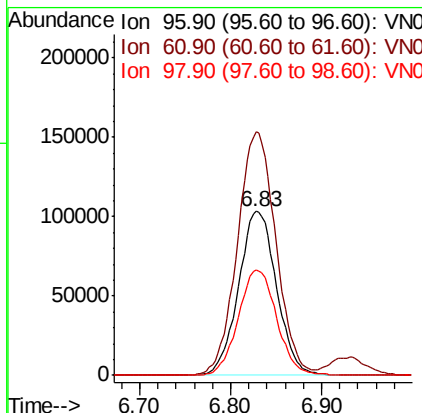
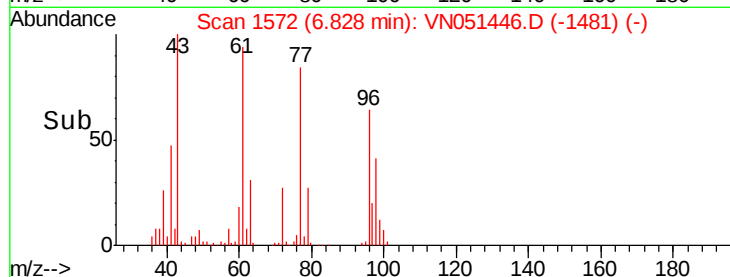
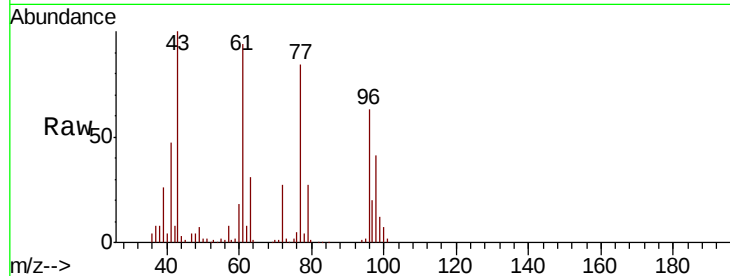
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	299567
Ion	Ratio	Lower	Upper
96	100		
61	150.4	0.0	291.4
98	65.0	0.0	128.4

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#28

Bromochloromethane

Concen: 49.324 ug/l

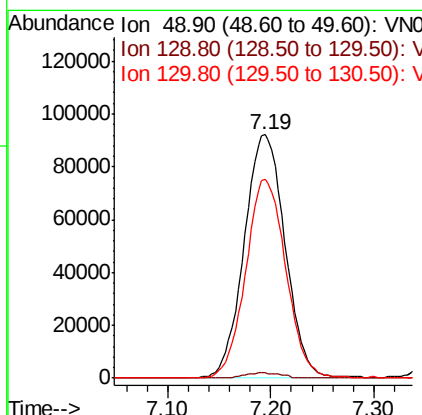
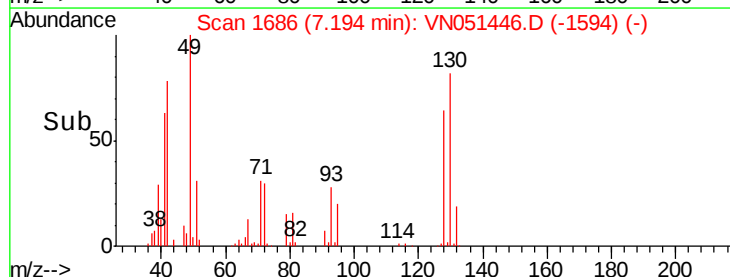
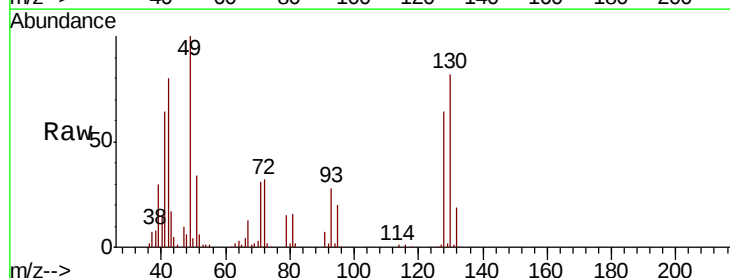
RT: 7.19 min Scan# 1686

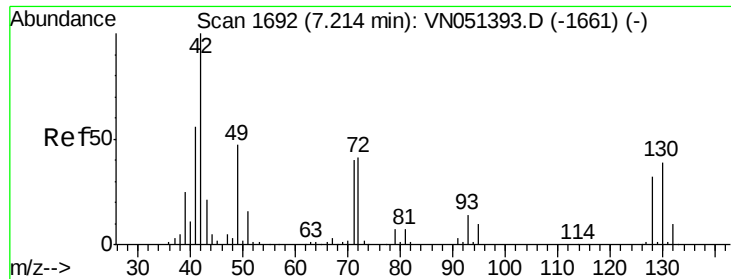
Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Tgt Ion:	49	Resp:	253937
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	80.3	63.0	94.4





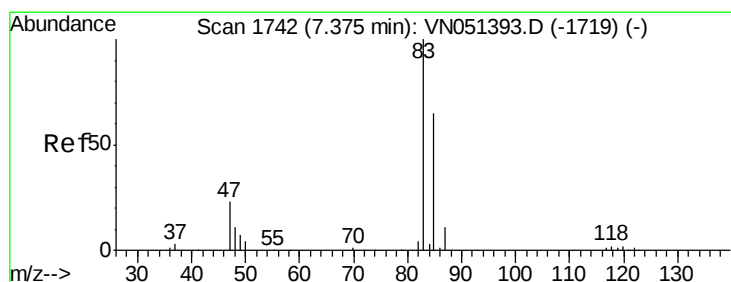
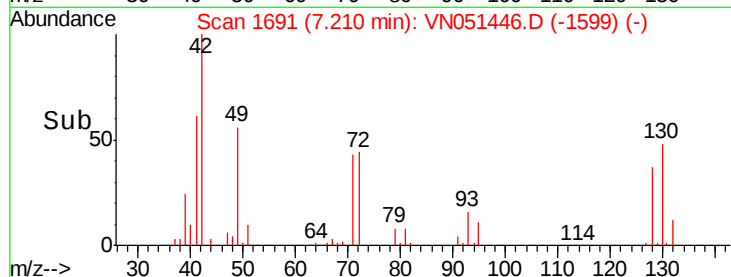
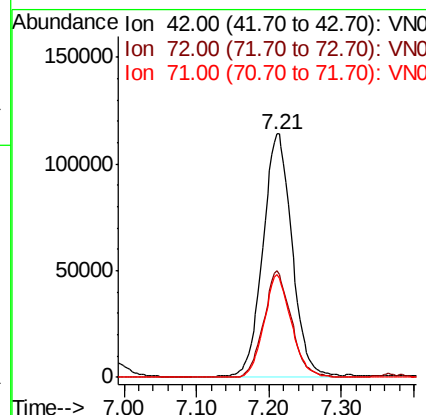
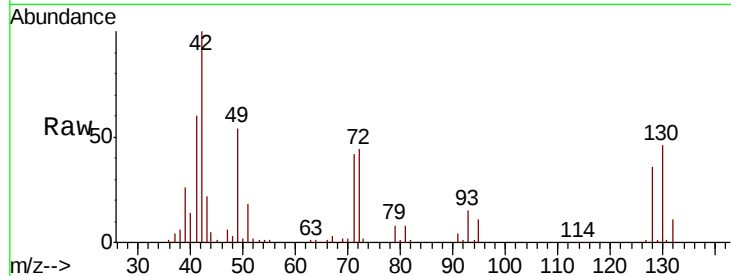
#29
Tetrahydrofuran
Concen: 225.935 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.3	51.5
71	39.7	32.2	48.4

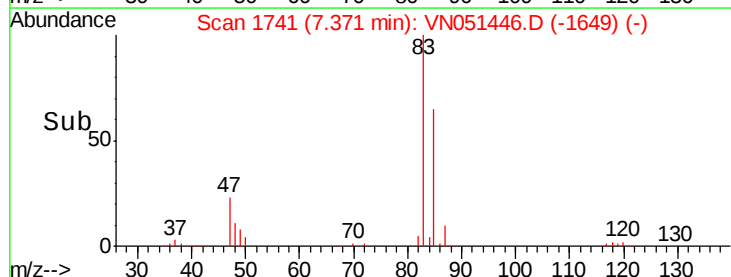
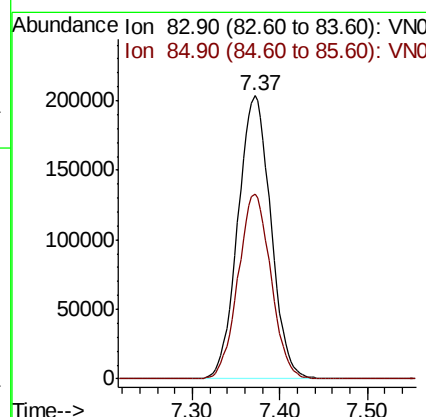
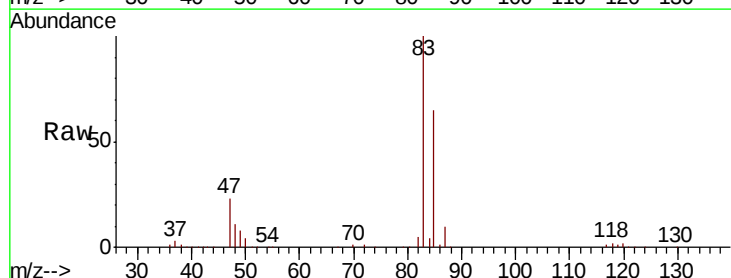
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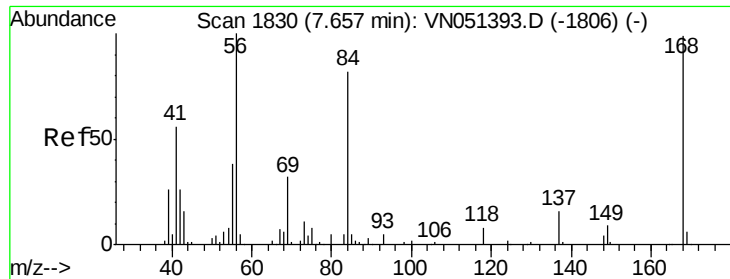
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#30
Chloroform
Concen: 48.152 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6





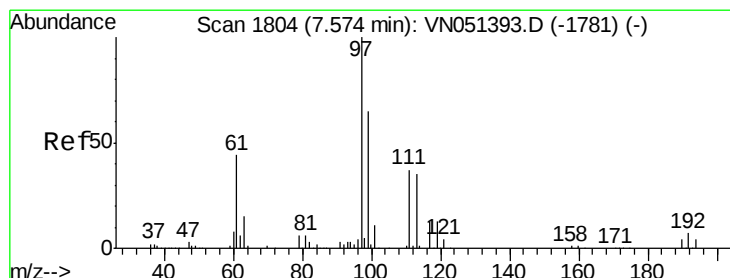
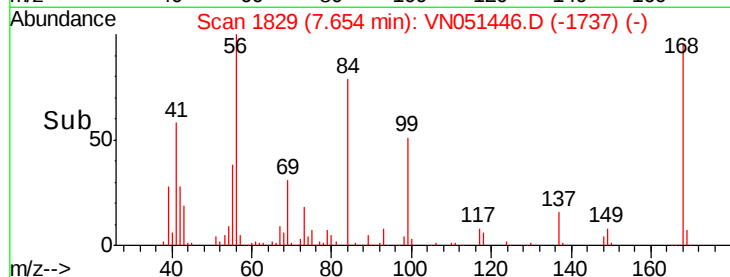
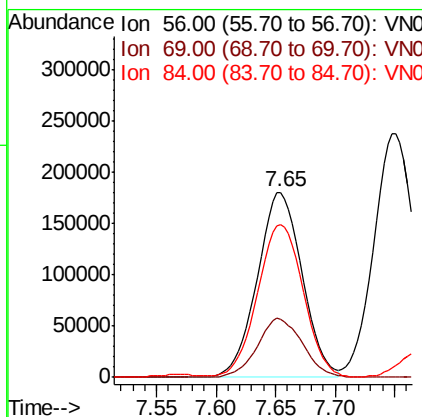
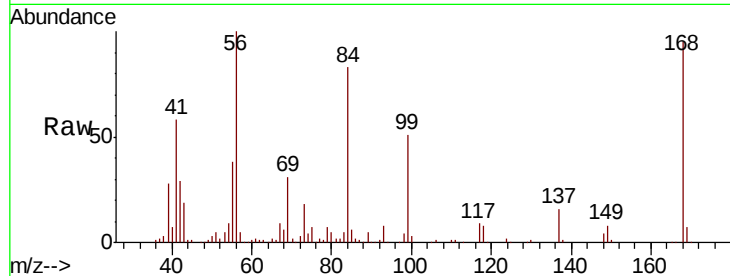
#31
Cyclohexane
Concen: 45.937 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.8	38.6
84	81.5	66.0	99.0

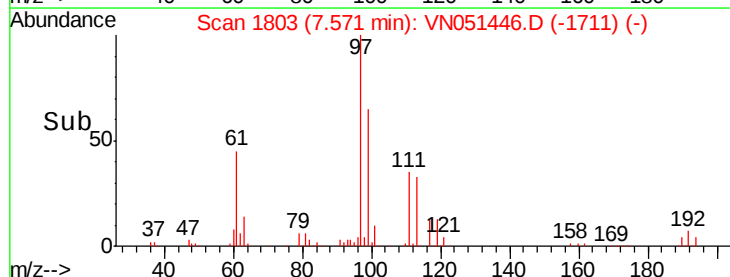
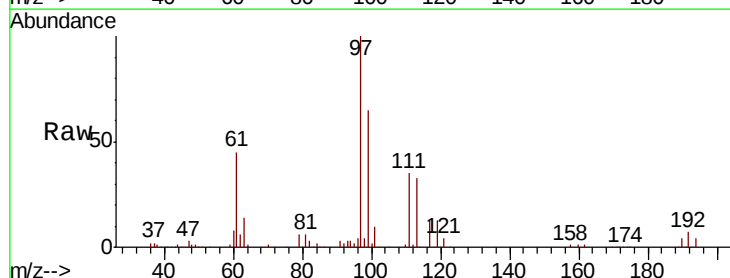
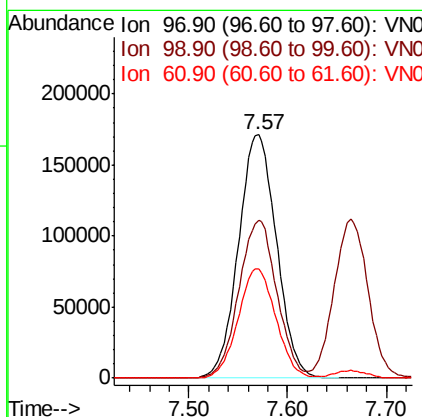
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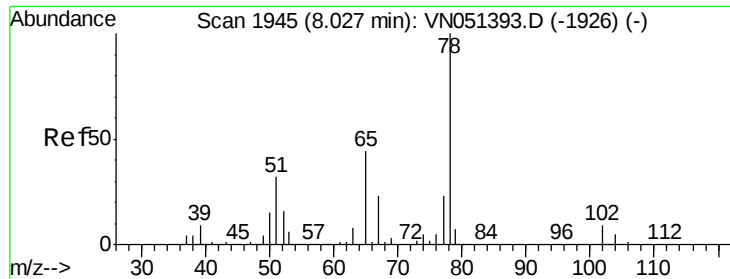
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#32
1,1,1-Trichloroethane
Concen: 48.419 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.0
61	44.6	35.8	53.8





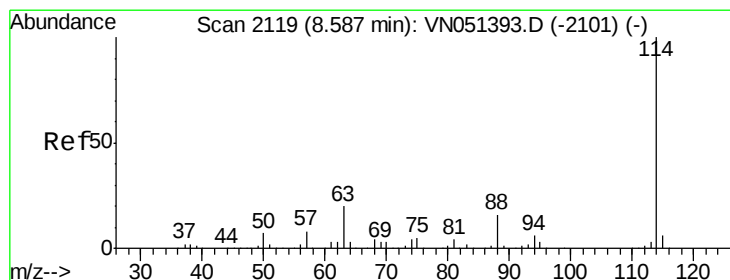
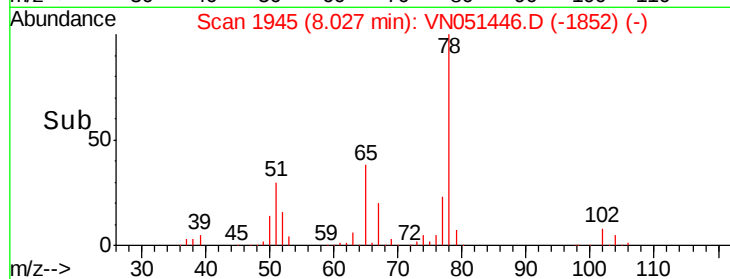
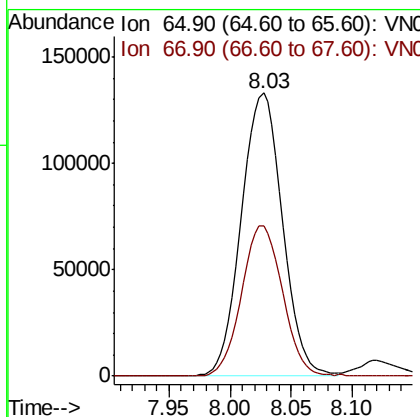
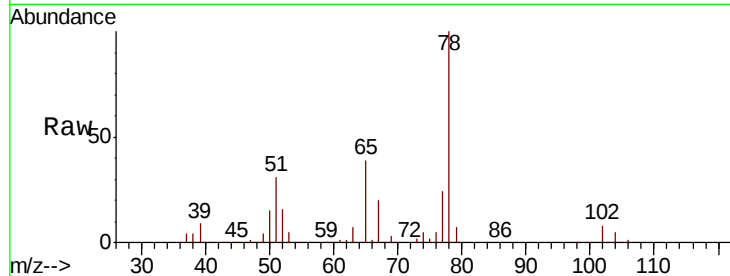
#33
 1,2-Dichloroethane-d4
 Concen: 47.960 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	311102		
67	52.9	0.0	107.8	

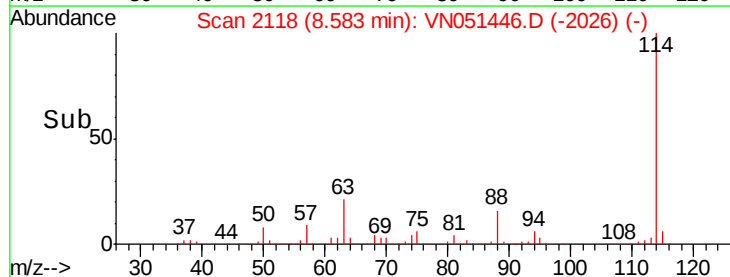
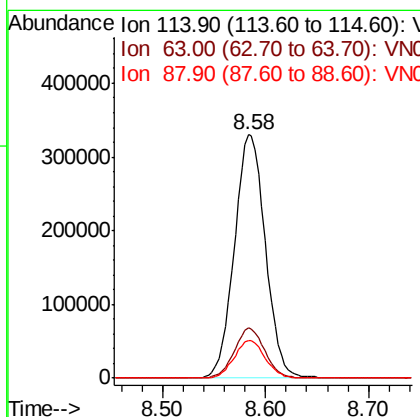
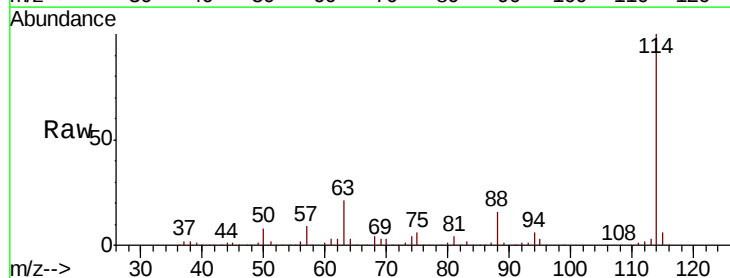
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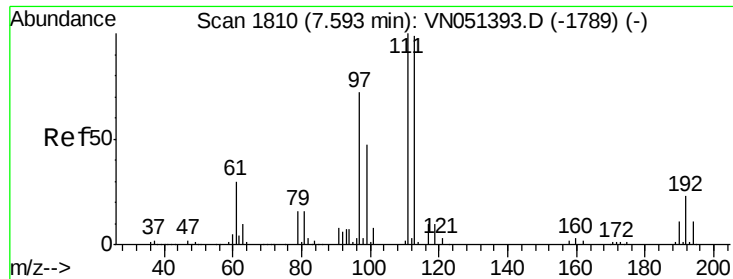
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	691009		
63	20.7	0.0	40.2	
88	15.7	0.0	31.4	





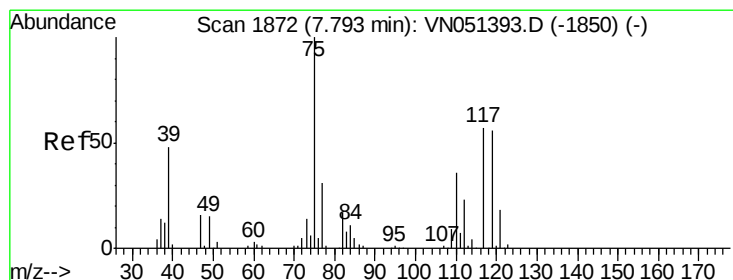
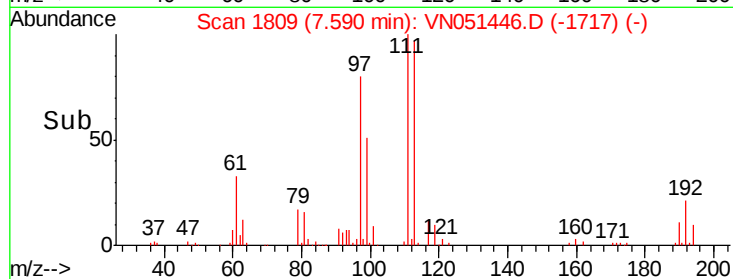
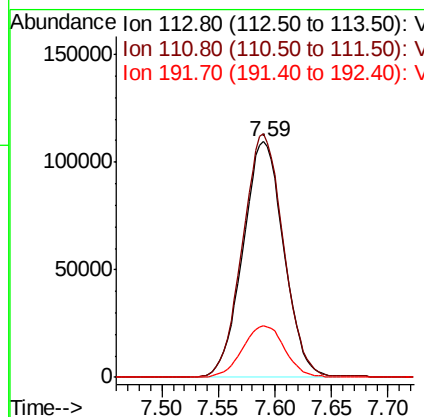
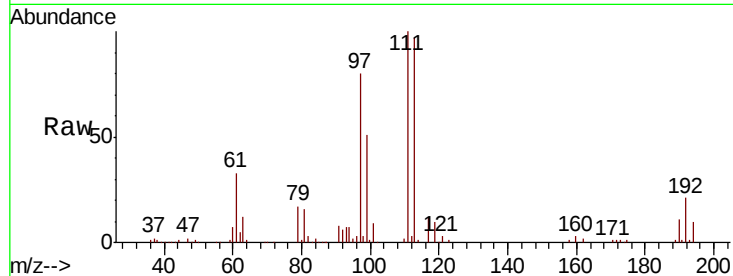
#35
 Dibromofluoromethane
 Concen: 49.905 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	275758		
111	103.2	82.6	123.8	
192	22.6	18.0	27.0	

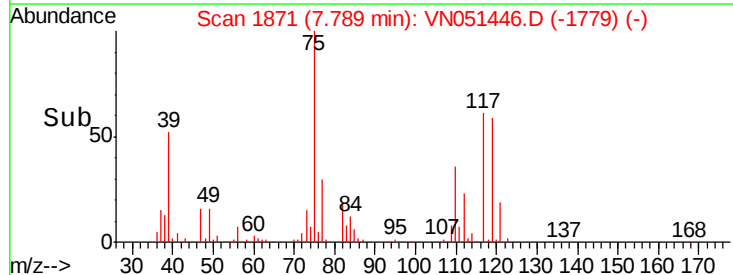
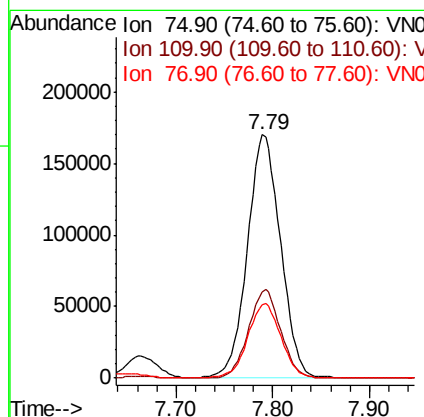
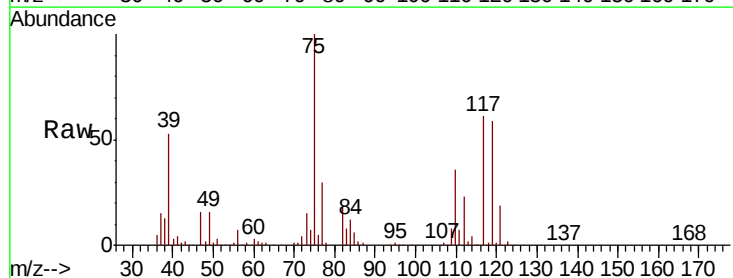
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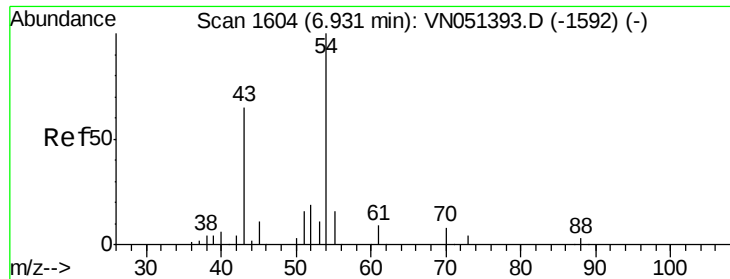
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 50.298 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	402483		
110	35.4	18.1	54.3	
77	31.0	25.6	38.4	





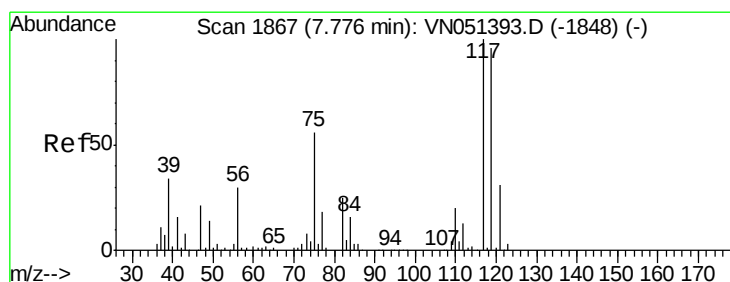
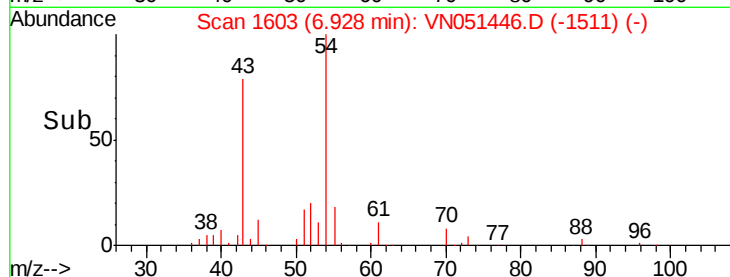
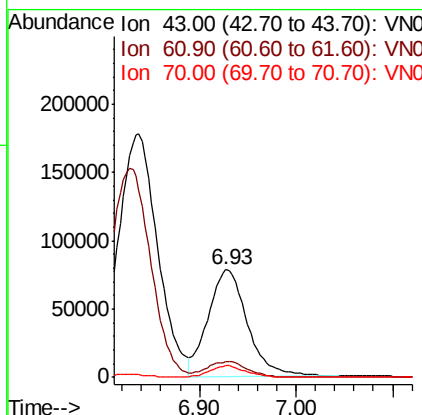
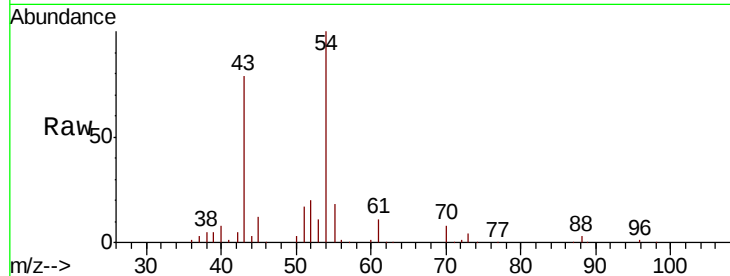
#37
Ethyl Acetate
Concen: 47.686 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	10.0	7.9	11.9

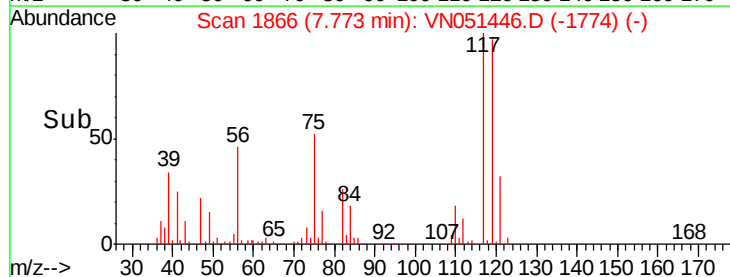
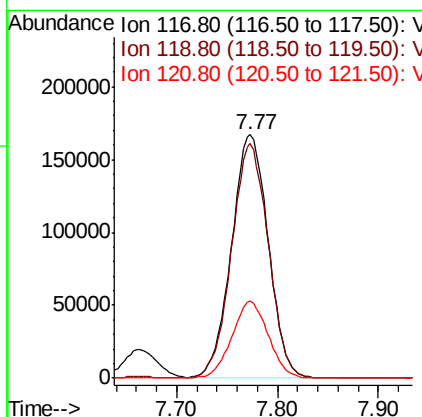
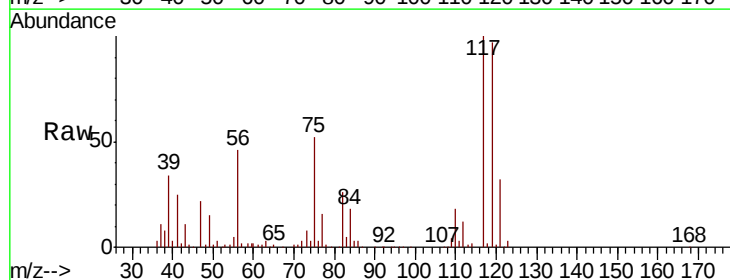
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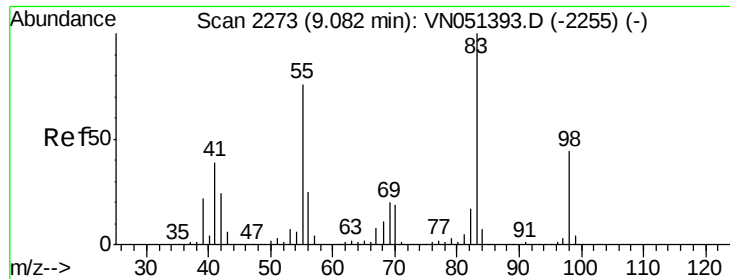
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.382 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.9	115.3
121	31.9	24.6	37.0





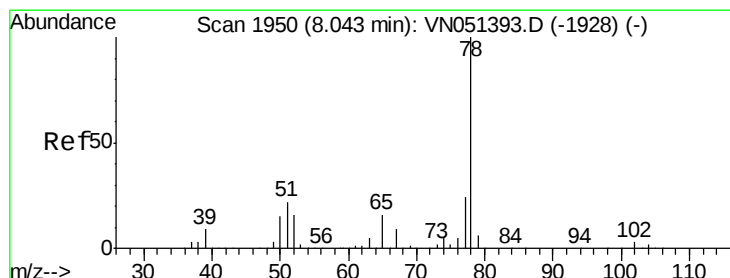
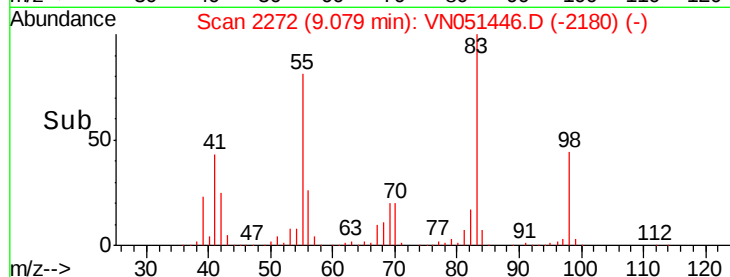
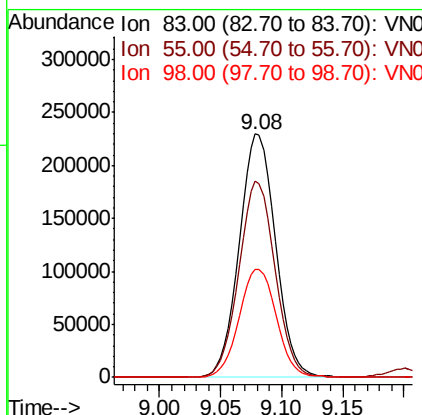
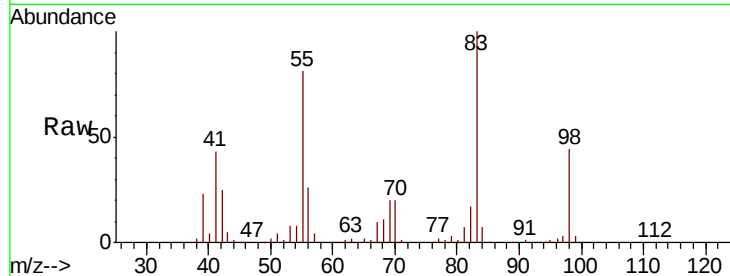
#39
Methvlcvclohexane
Concen: 50.624 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	473557		
55	80.6		61.0	91.4
98	44.4		35.6	53.4

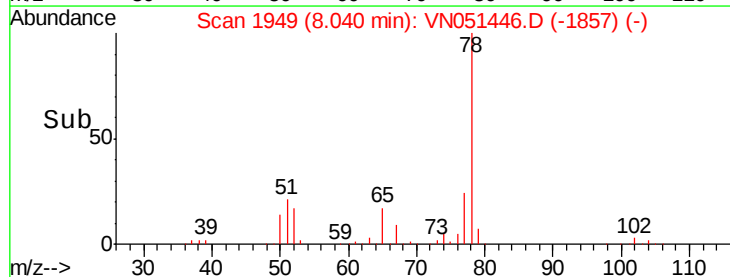
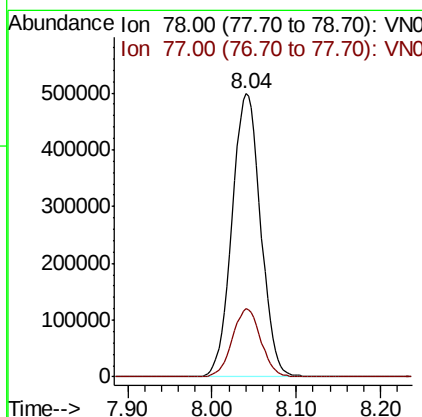
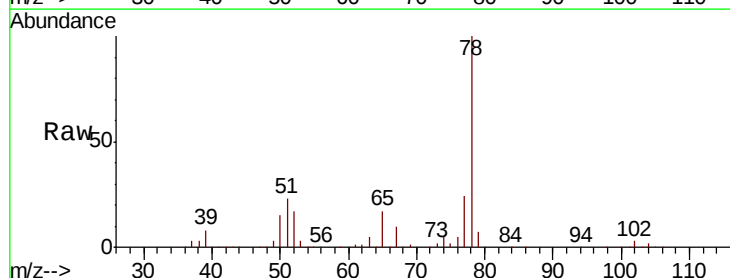
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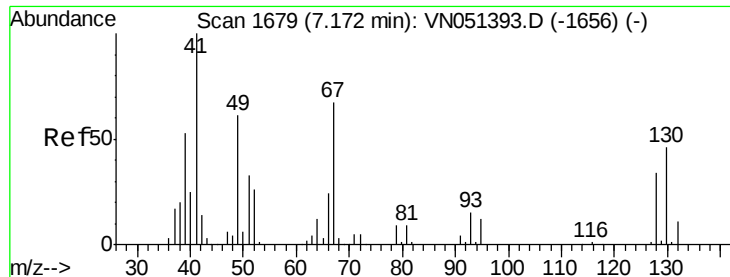
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#40
Benzene
Concen: 50.271 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1181151		
77	24.0		19.2	28.8





#41

Methacrylonitrile

Concen: 37.859 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 96366

Ion Ratio Lower Upper

41 100

39 70.0 51.4 77.2

67 100.6 66.8 100.2#

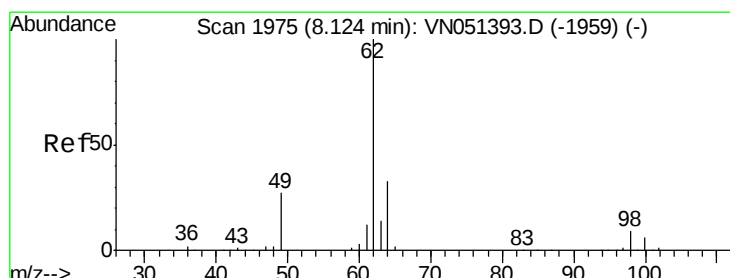
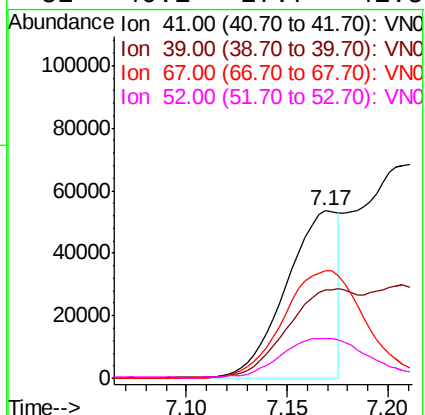
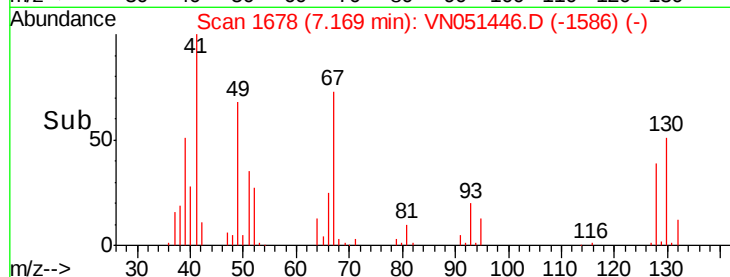
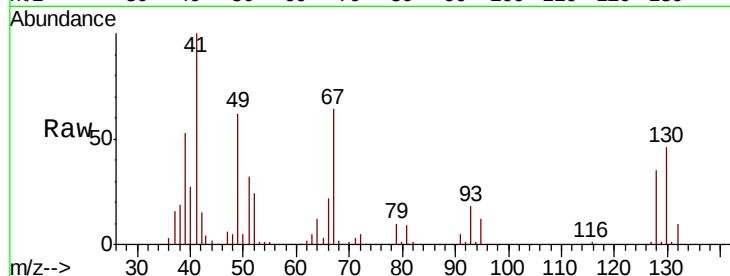
52 40.1 27.7 41.5

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 50.668 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN051446.D

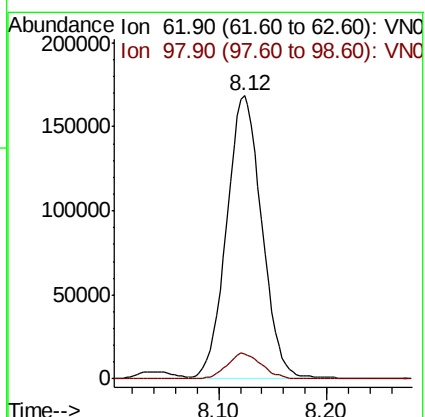
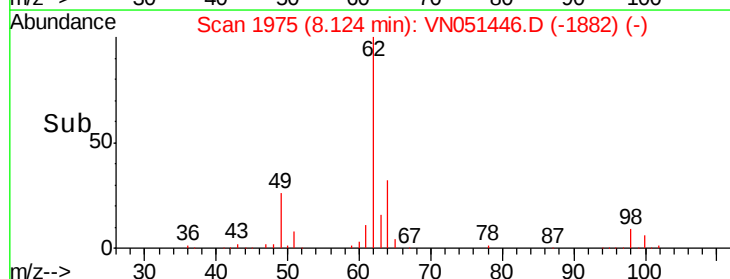
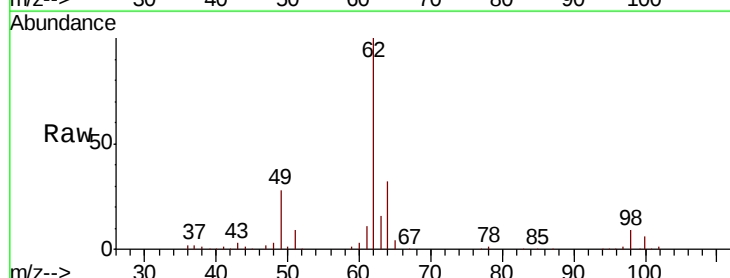
Acq: 24 Sep 2018 8:26

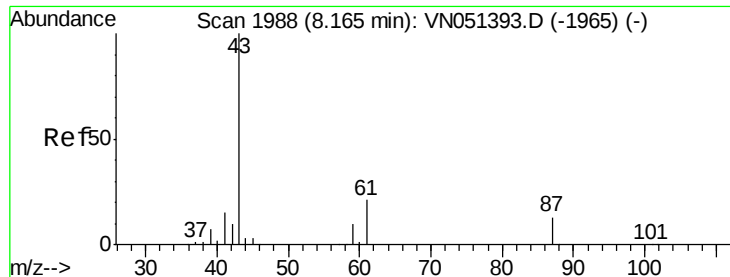
Tgt Ion: 62 Resp: 381194

Ion Ratio Lower Upper

62 100

98 9.0 0.0 18.6





#43

Isopropyl Acetate

Concen: 50.295 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

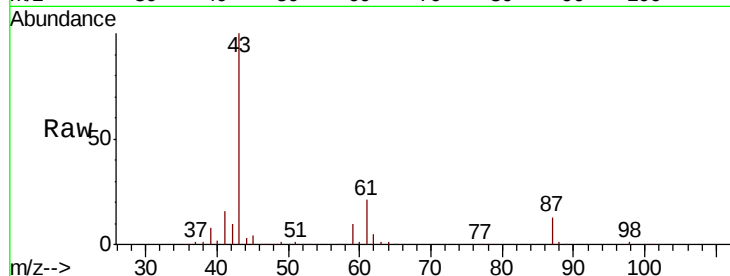
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	418431
Ion	Ratio	Lower	Upper
43	100		
61	18.7	16.8	25.2
87	12.8	10.7	16.1

Manual Integrations
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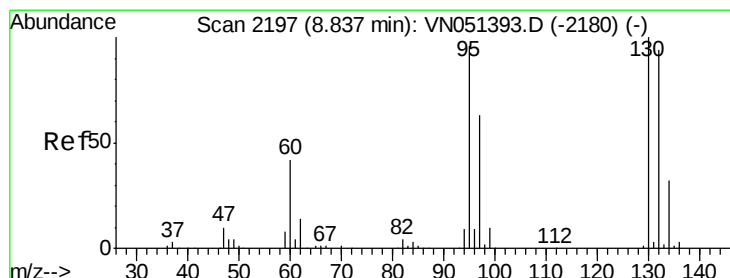
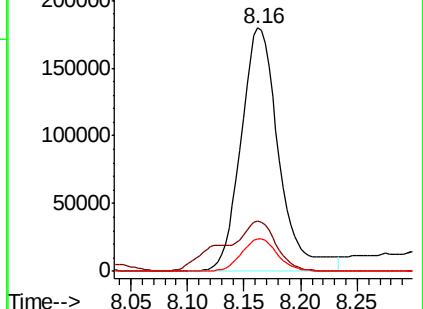
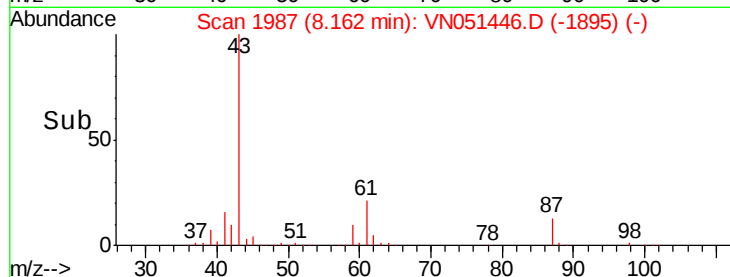


Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN051393.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN051393.D (-1965) (-)

Time-->



#44

Trichloroethene

Concen: 48.875 ug/l

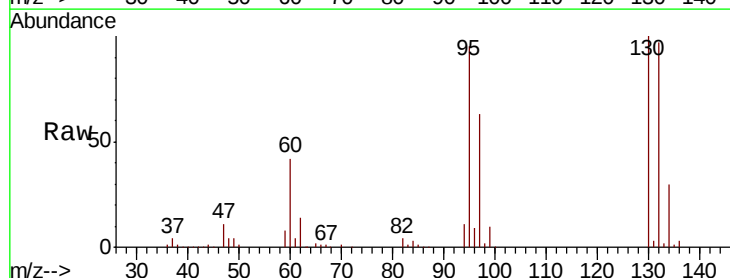
RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

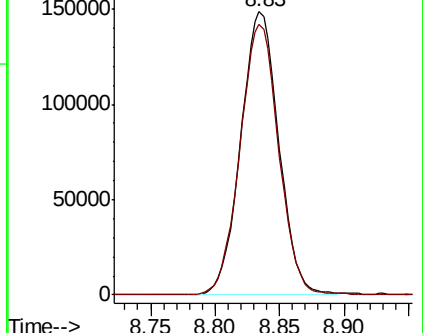
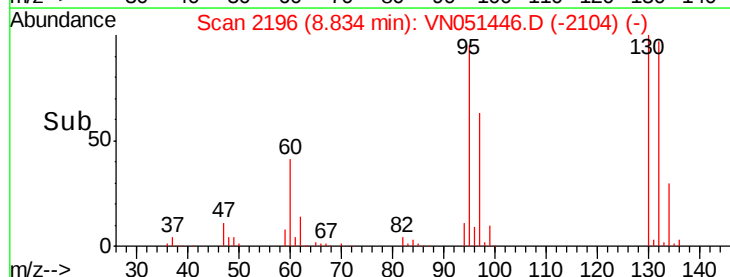
Tgt Ion:	130	Resp:	305012
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	192.2

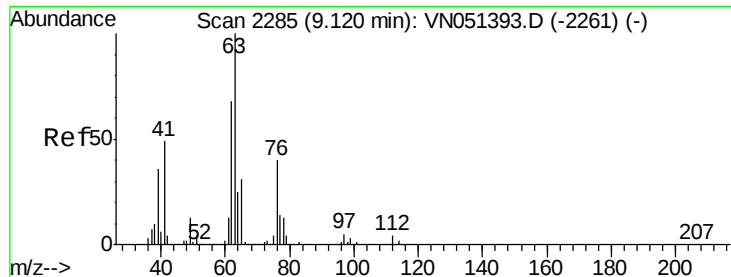


Abundance Ion 129.80 (129.50 to 130.50): VN051393.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051393.D (-2180) (-)

Time-->





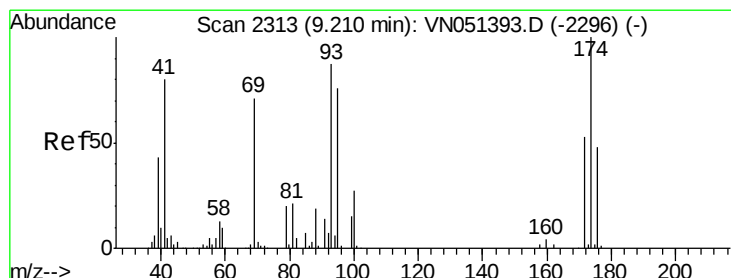
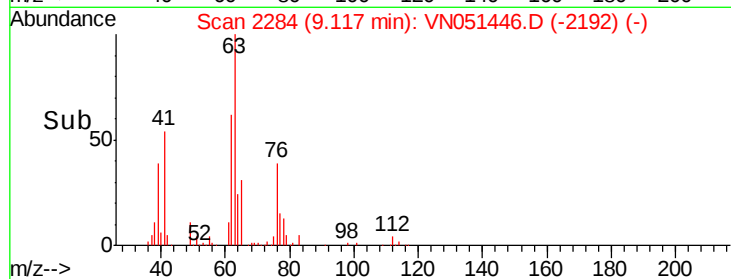
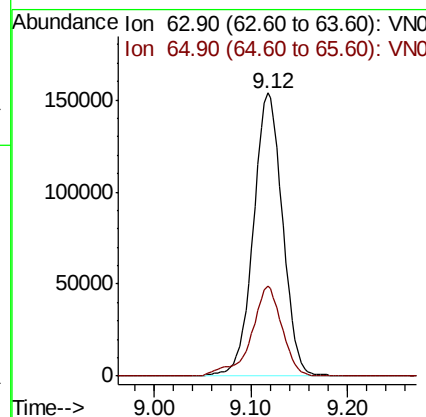
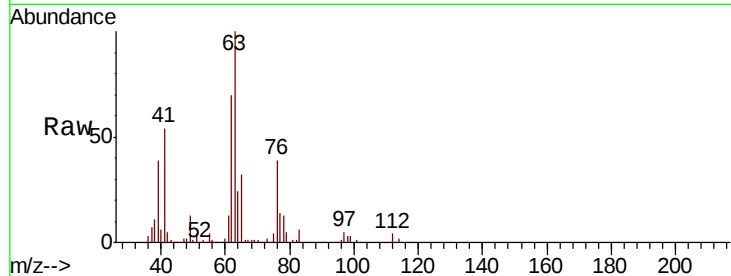
#45
 1,2-Dichloropropane
 Concen: 50.357 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.9	37.3

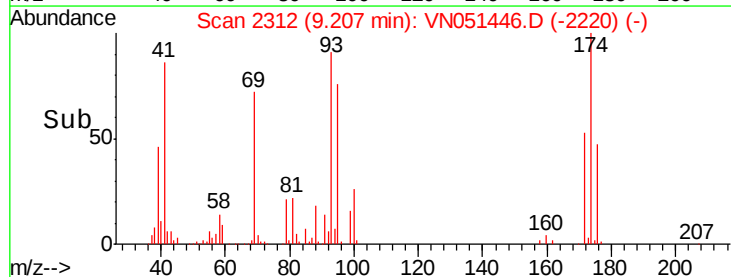
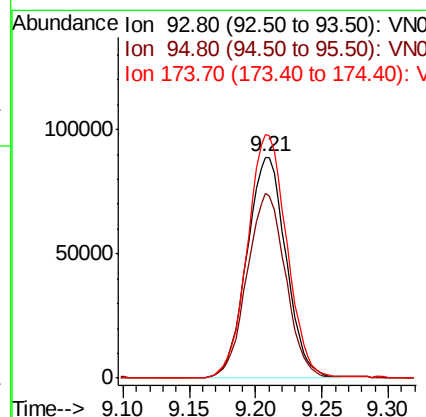
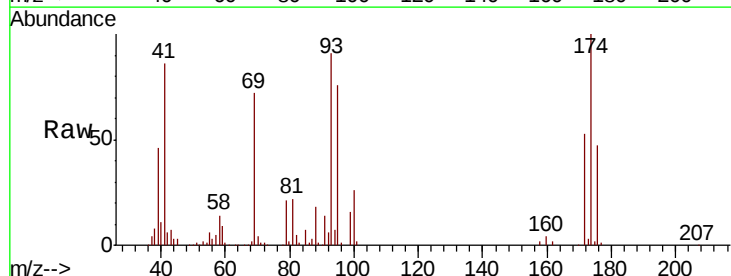
Manual Integrations
 APPROVED

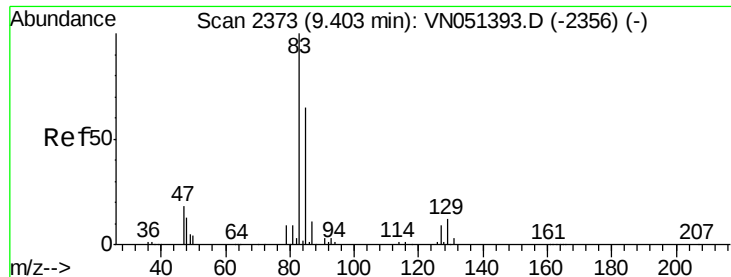
MMDadoda
 9/25/2018 11:30:58 AM



#46
 Dibromomethane
 Concen: 50.673 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	67.6	101.4
174	110.9	89.6	134.4





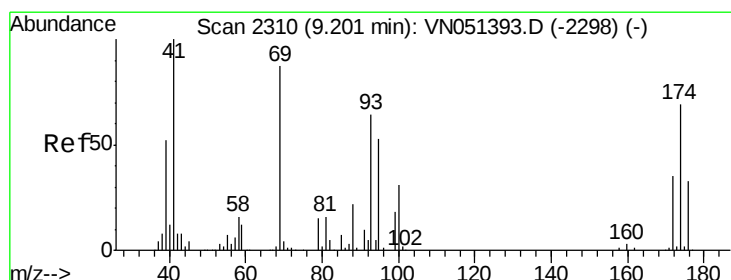
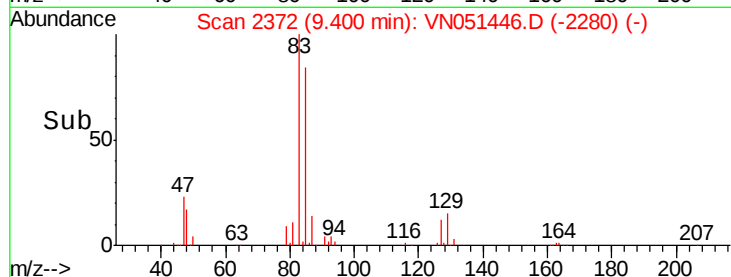
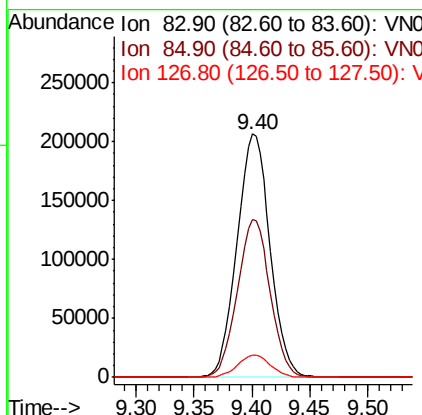
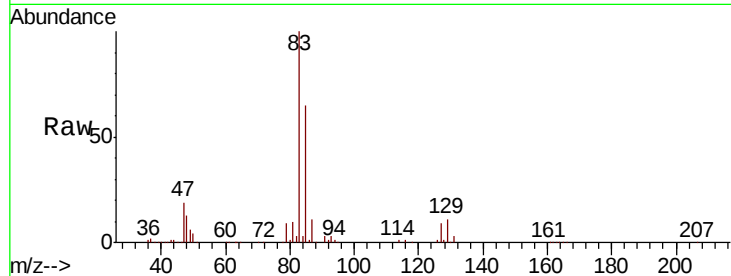
#47
Bromodichloromethane
Concen: 51.052 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	407701		
85	64.6	51.8	77.6	
127	9.4	7.4	11.2	

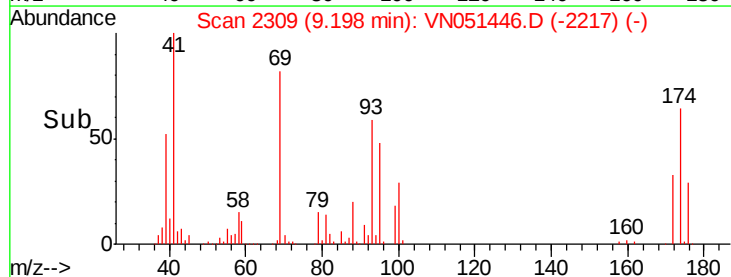
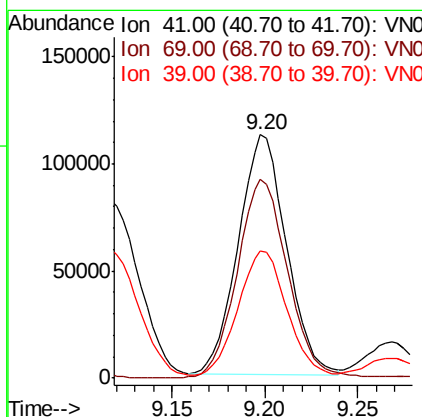
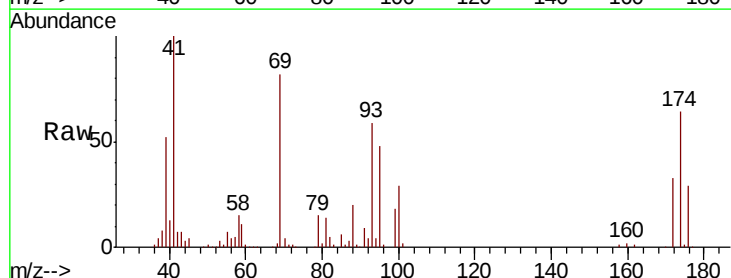
Manual Integrations
APPROVED

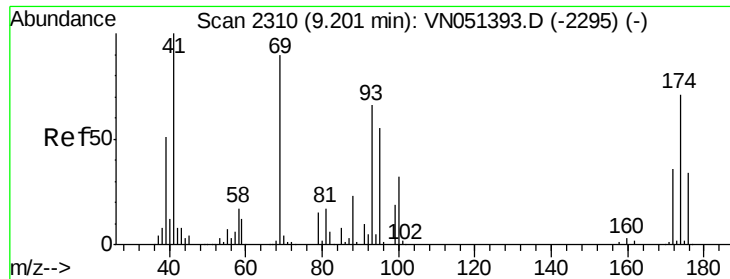
MMDadoda
9/25/2018 11:30:58 AM



#48
Methyl methacrylate
Concen: 48.524 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	201272		
69	86.4	70.4	105.6	
39	54.5	43.8	65.8	





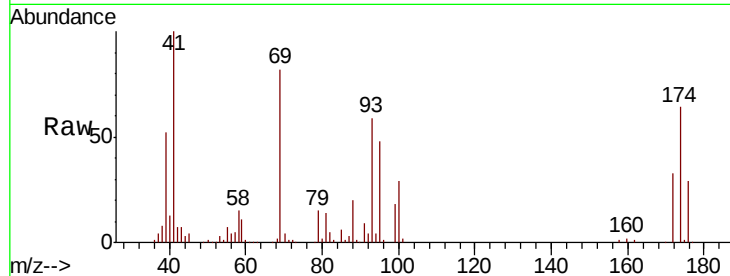
#49
1,4-Dioxane
Concen: 930.294 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	25.9	38.9
58	72.2	57.0	85.4

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:30:58 AM

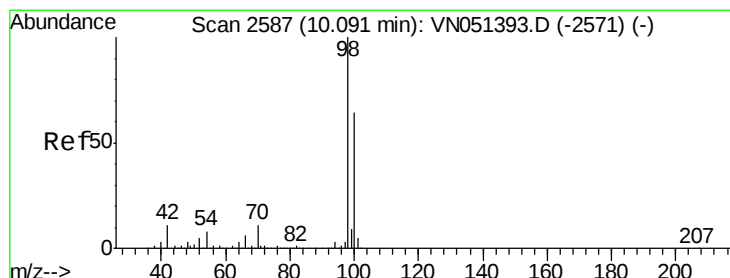
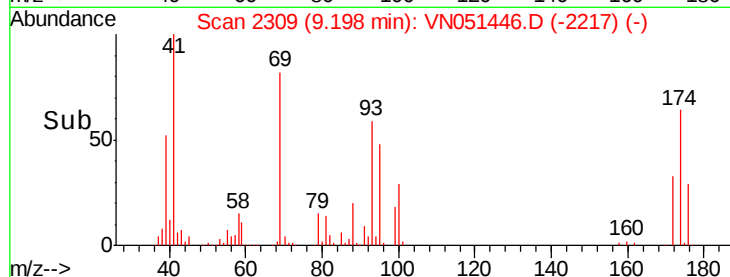
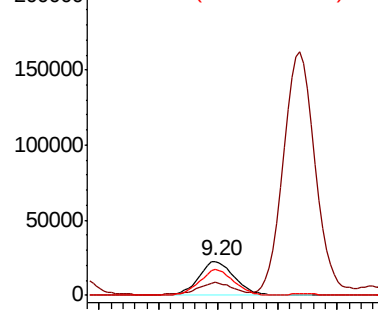


Abundance

Ion 88.00 (87.70 to 88.70): VN0

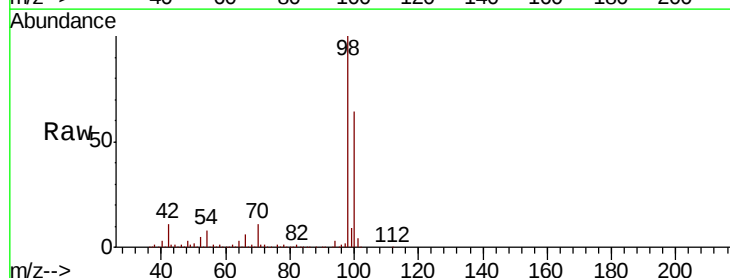
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 49.959 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

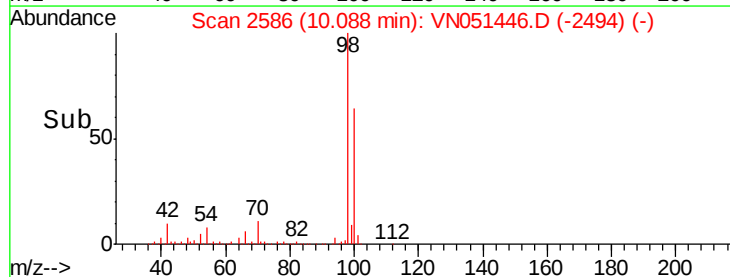
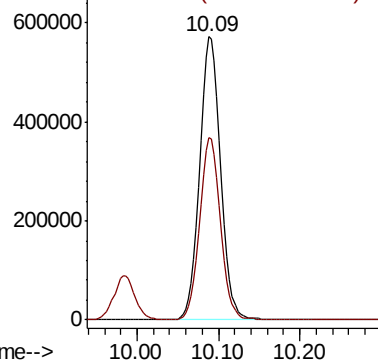
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.6	75.8

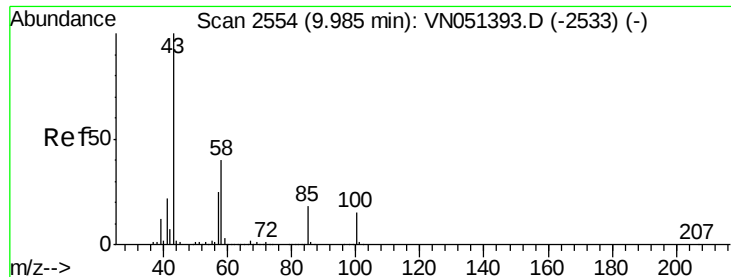


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





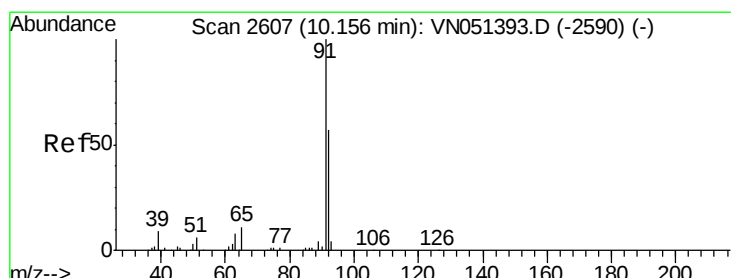
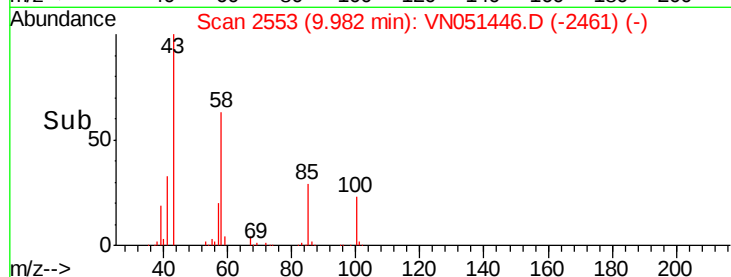
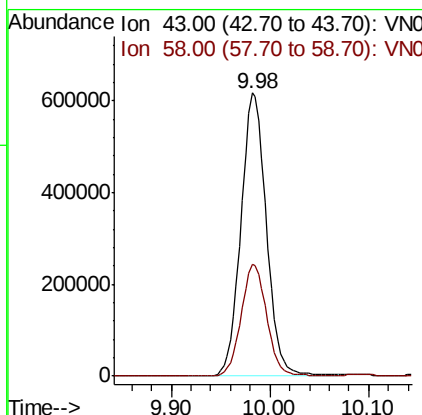
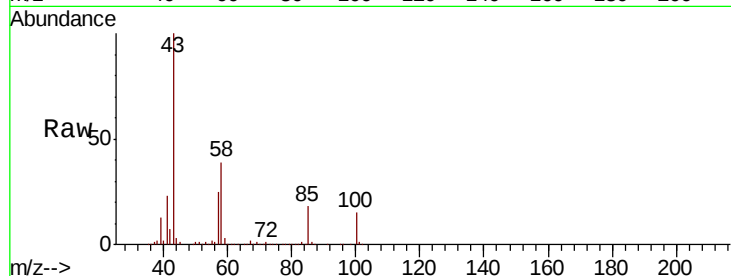
#51
 4-Methyl-2-Pentanone
 Concen: 240.154 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1098820
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.5 47.3

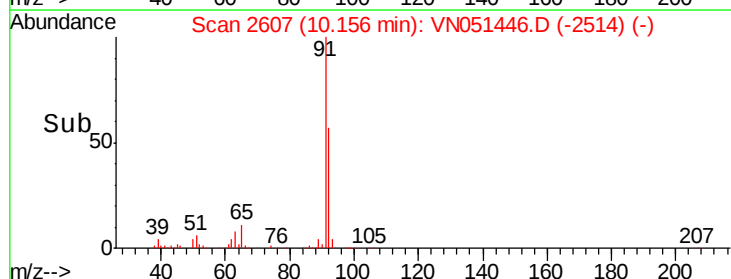
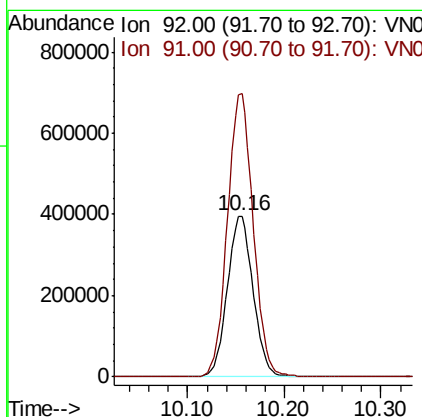
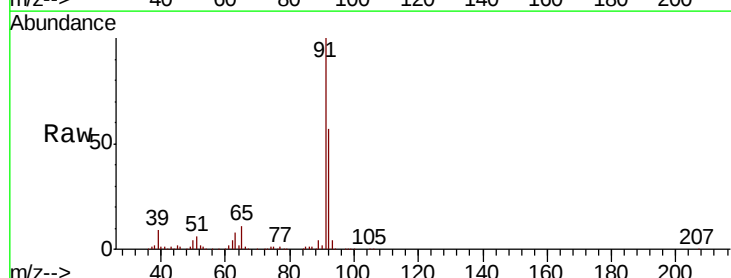
Manual Integrations
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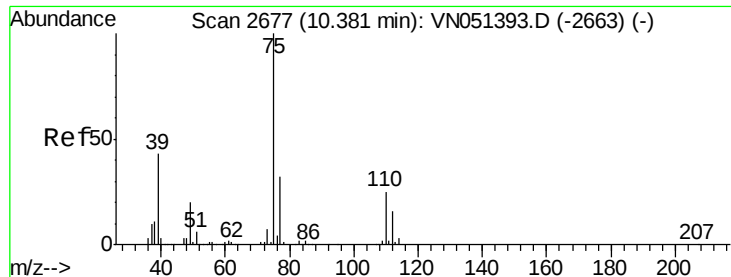
MMDadoda
 9/25/2018 11:30:58 AM



#52
 Toluene
 Concen: 50.174 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion: 92 Resp: 732624
 Ion Ratio Lower Upper
 92 100
 91 176.4 142.2 213.4





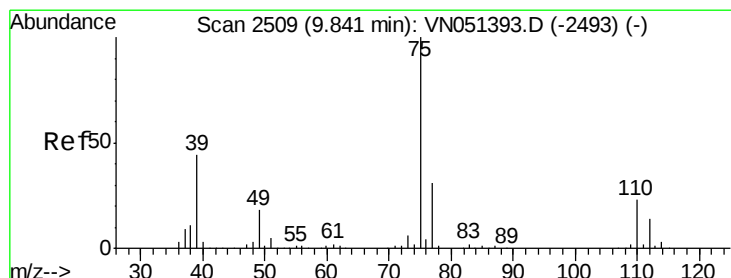
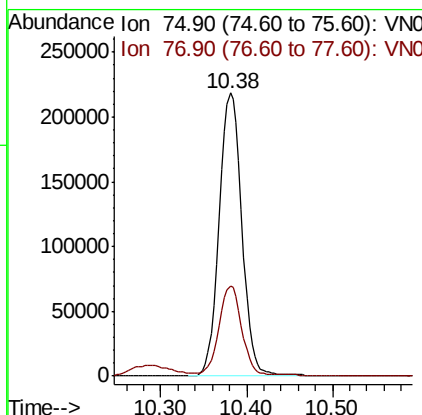
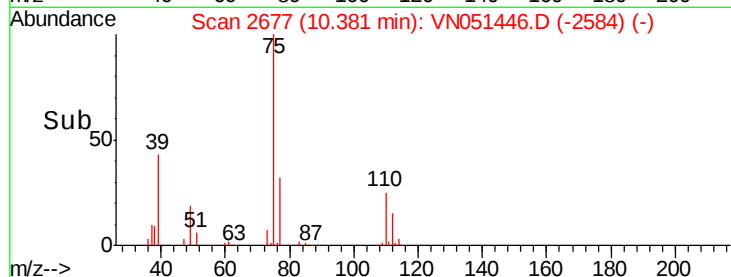
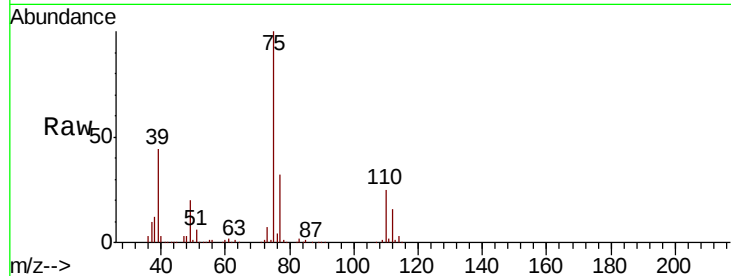
#53
 t-1,3-Dichloropropene
 Concen: 50.099 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 403927
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.8

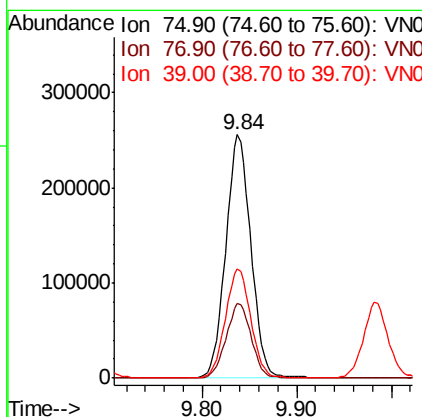
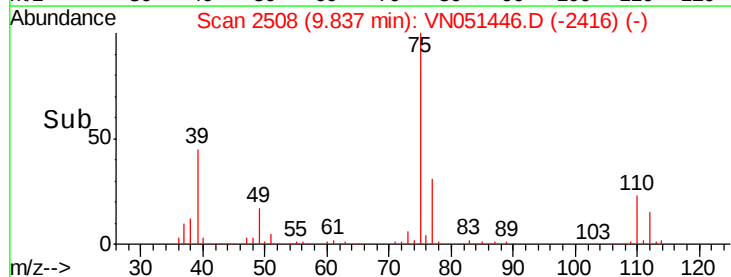
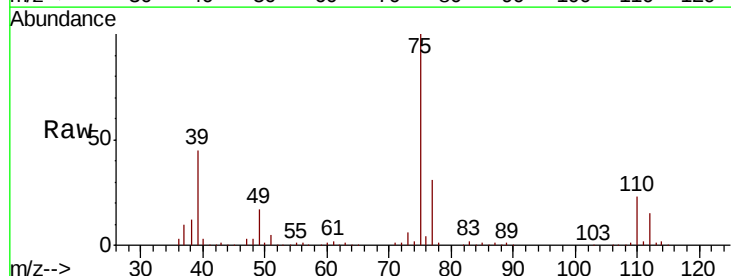
Manual Integrations
 APPROVED

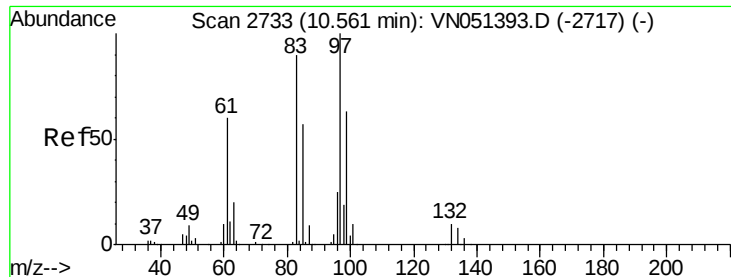
MMDadoda
 9/25/2018 11:30:58 AM



#54
 cis-1,3-Dichloropropene
 Concen: 50.476 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion: 75 Resp: 471943
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.2 37.8
 39 44.8 35.4 53.2





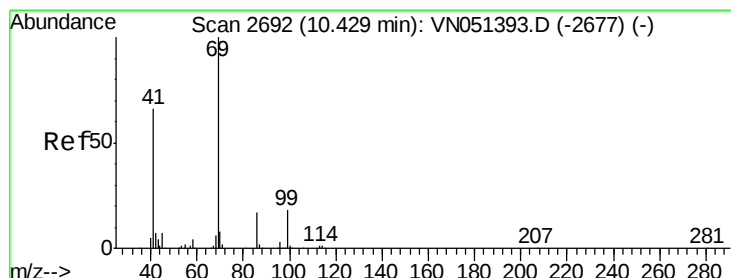
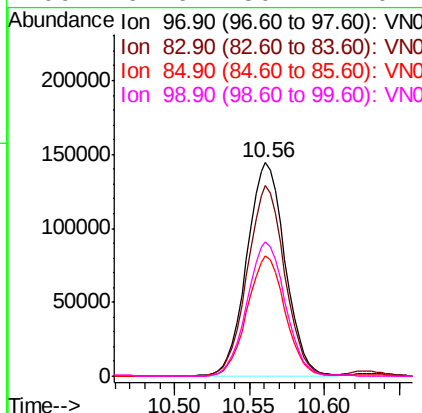
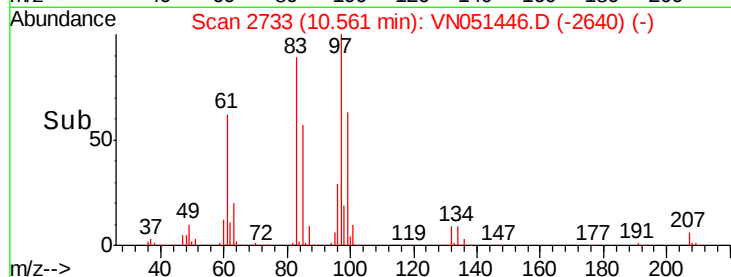
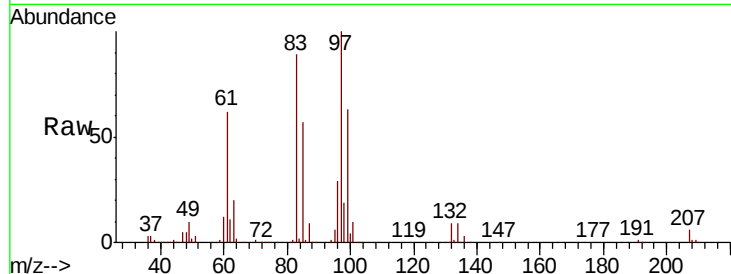
#55
 1,1,2-Trichloroethane
 Concen: 49.808 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	257032
Ion	Ratio	Lower	Upper
97	100		
83	89.1	72.0	108.0
85	56.5	45.2	67.8
99	62.6	50.7	76.1

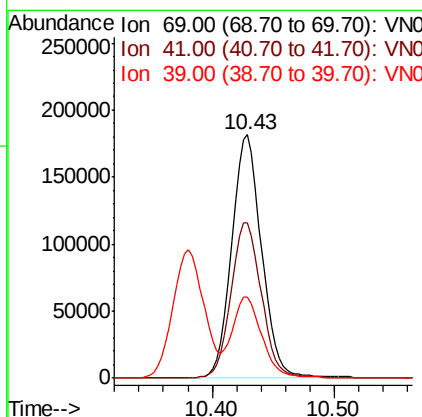
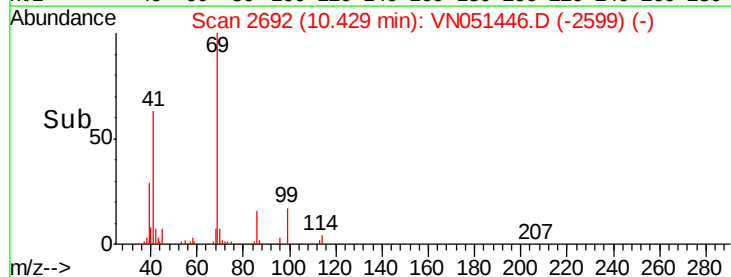
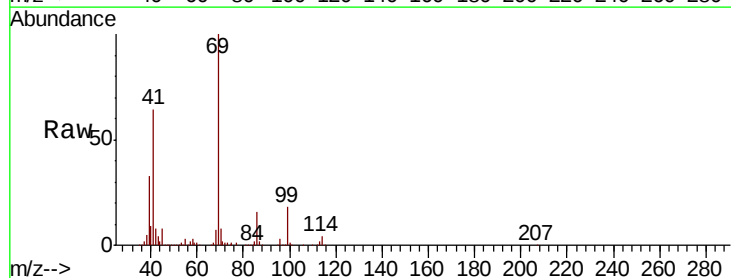
Manual Integrations
 APPROVED

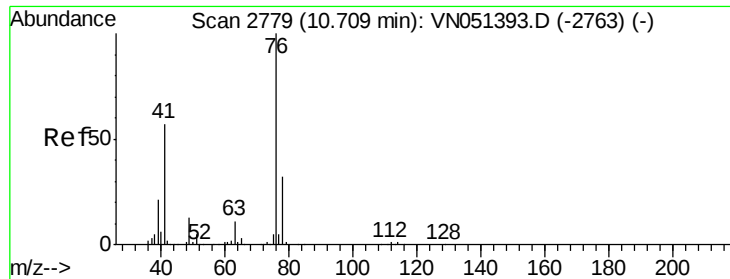
MMDadoda
 9/25/2018 11:30:58 AM



#56
 Ethyl methacrylate
 Concen: 49.157 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion:	69	Resp:	310145
Ion	Ratio	Lower	Upper
69	100		
41	64.0	52.4	78.6
39	32.5	26.3	39.5





#57

1,3-Dichloropropane

Concen: 49.820 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 440657

Ion Ratio Lower Upper

76 100

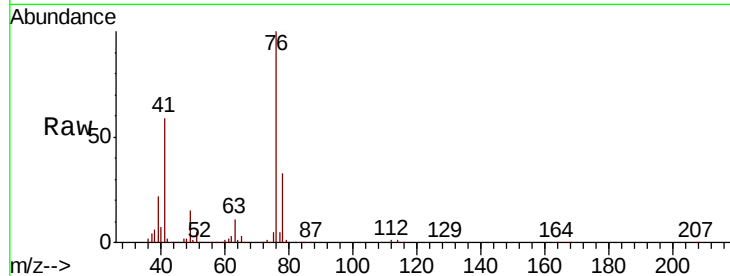
78 32.4 25.5 38.3

Manual Integrations

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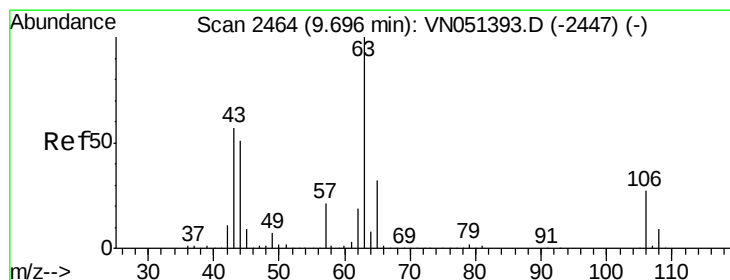
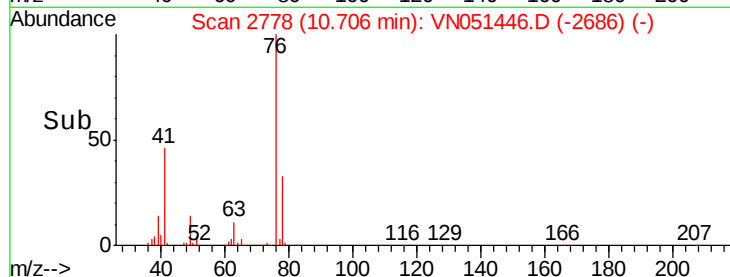
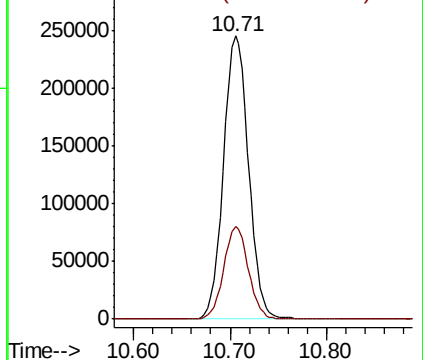
MMDadoda

9/25/2018 11:30:58 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 238.717 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN051446.D

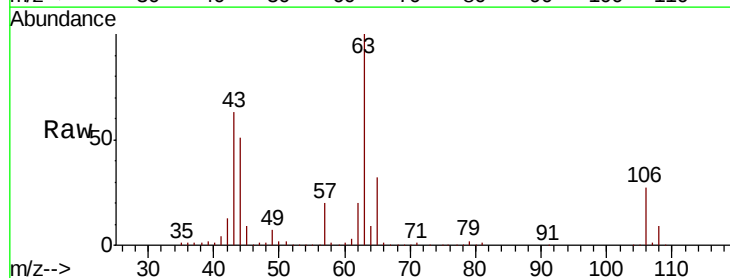
Acq: 24 Sep 2018 8:26

Tgt Ion: 63 Resp: 811674

Ion Ratio Lower Upper

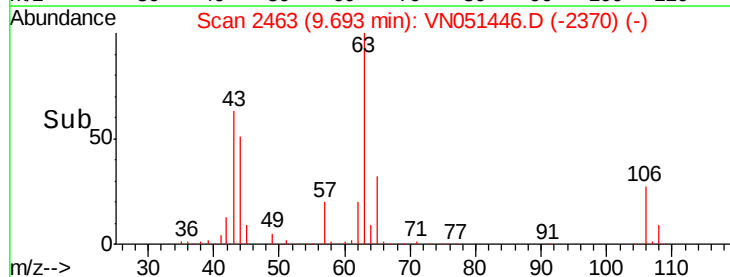
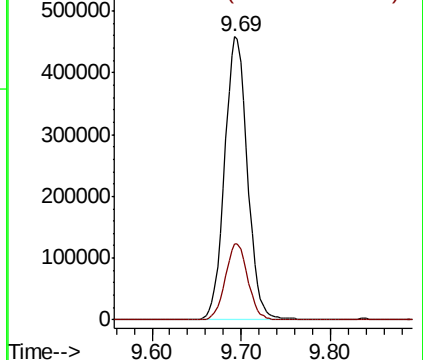
63 100

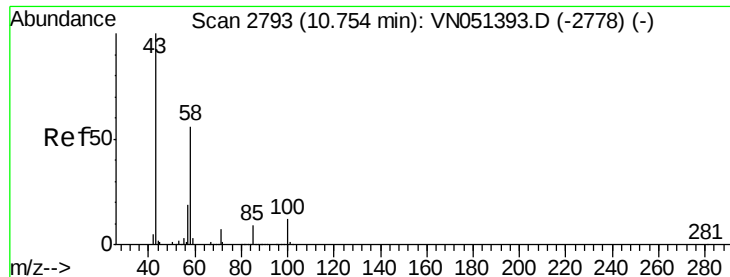
106 26.6 21.4 32.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





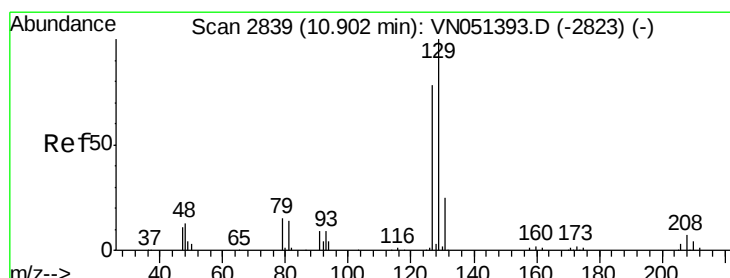
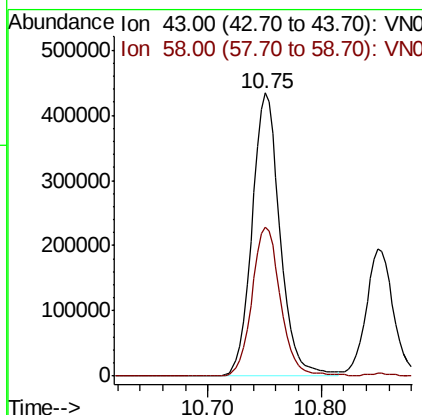
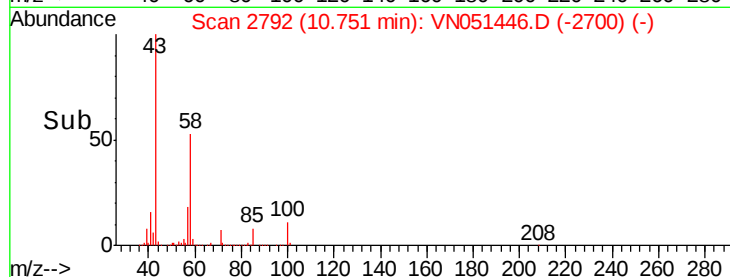
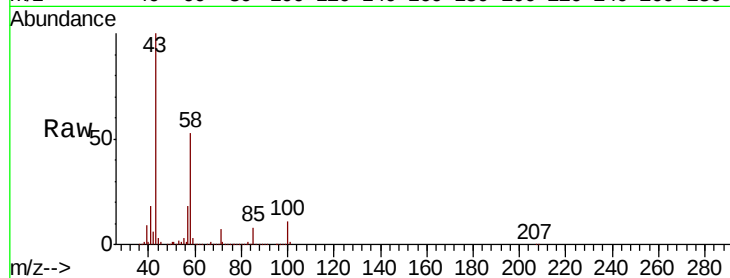
#59
2-Hexanone
Concen: 250.744 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 743734
Ion Ratio Lower Upper
43 100
58 53.9 27.7 83.0

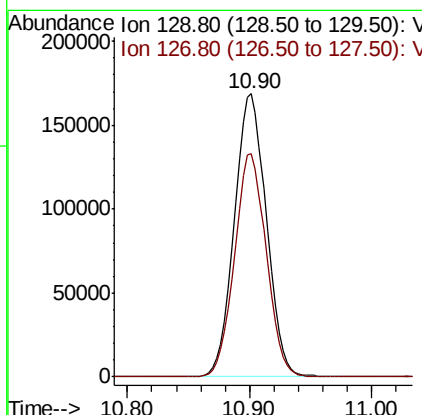
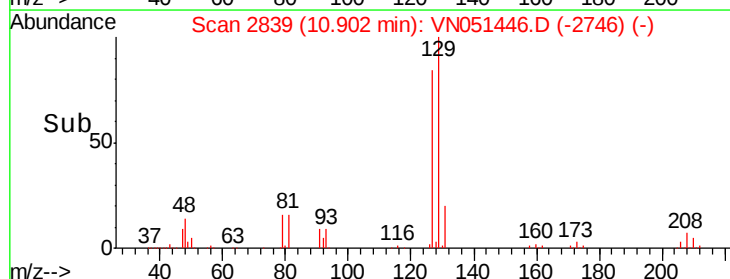
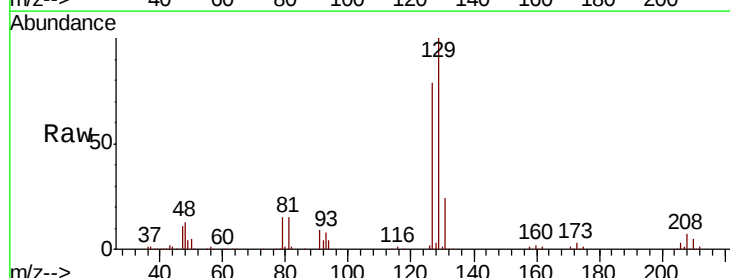
Manual Integrations
APPROVED

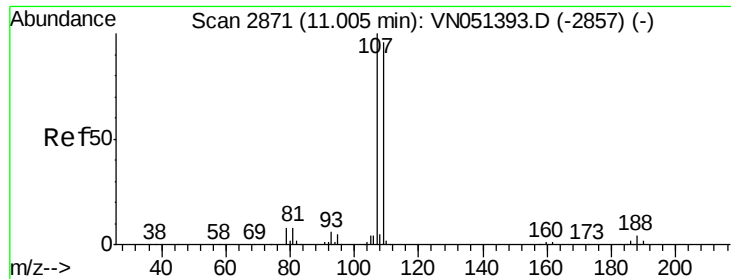
MMDadoda
9/25/2018 11:30:58 AM



#60
Dibromochloromethane
Concen: 50.417 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion: 129 Resp: 306972
Ion Ratio Lower Upper
129 100
127 78.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.532 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 248135

Ion Ratio Lower Upper

107 100

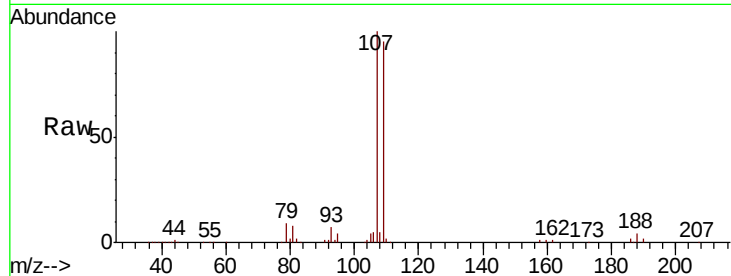
109 93.3 76.3 114.5

Manual Integrations

APPROVED

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9/25/2018 11:30:58 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

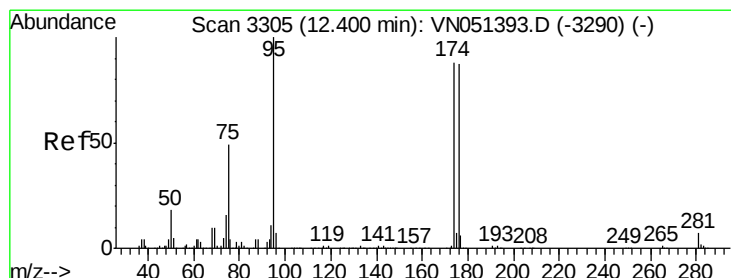
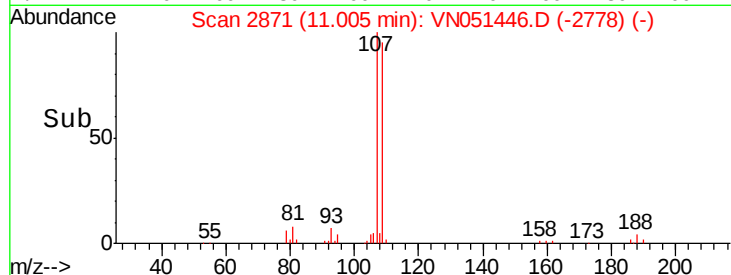
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 50.334 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

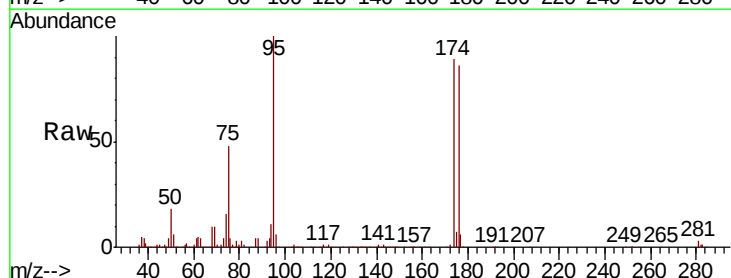
Tgt Ion: 95 Resp: 338810

Ion Ratio Lower Upper

95 100

174 90.7 0.0 181.6

176 88.0 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

250000

200000

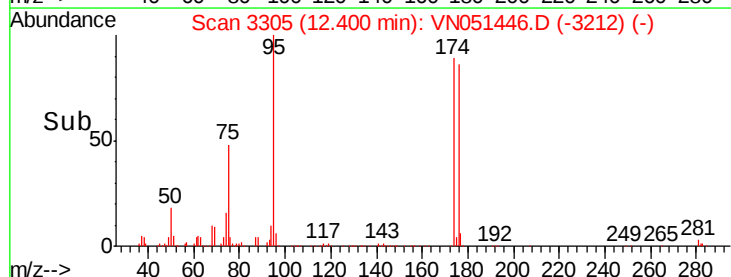
150000

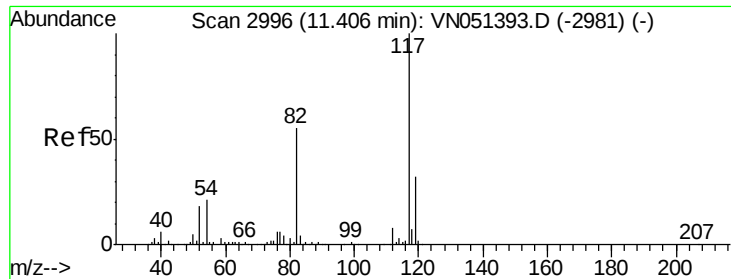
100000

50000

0

Time--> 12.35 12.40 12.45





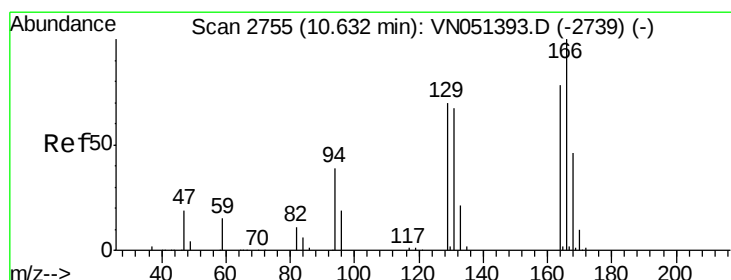
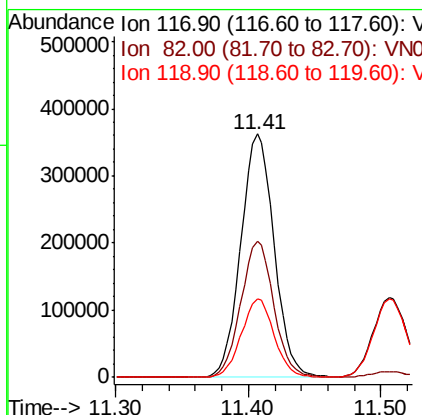
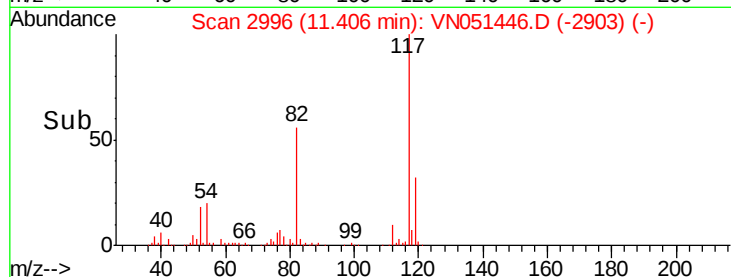
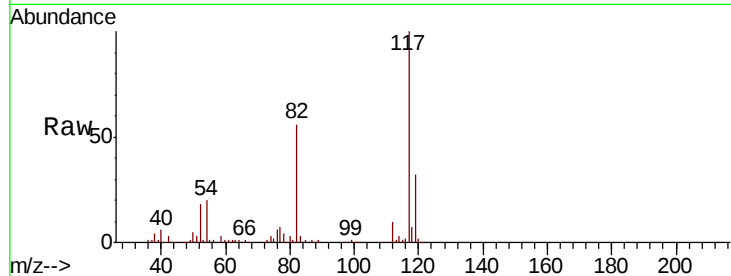
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.2	66.2
119	32.1	25.9	38.9

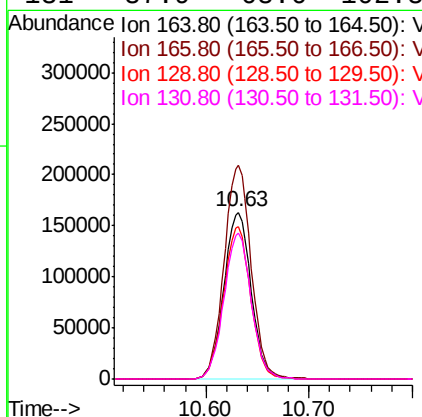
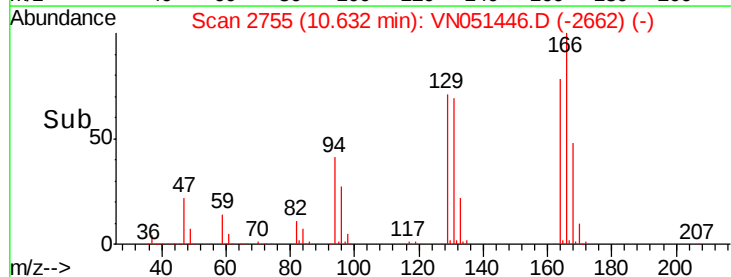
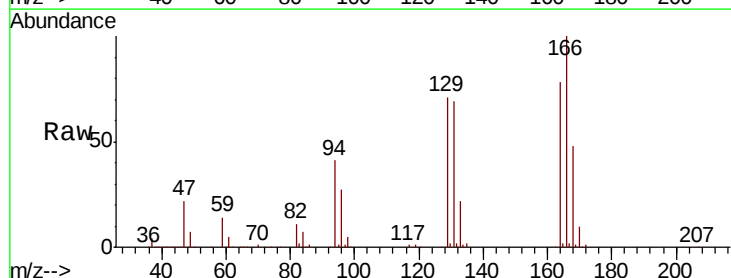
Manual Integrations
APPROVED

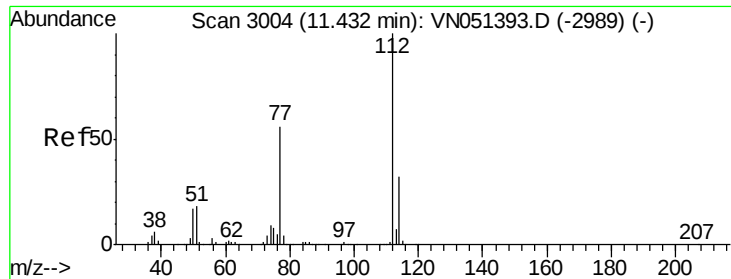
MMDadoda
9/25/2018 11:30:58 AM



#64
Tetrachloroethene
Concen: 52.551 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.3	153.5
129	91.2	71.8	107.8
131	87.9	68.6	102.8





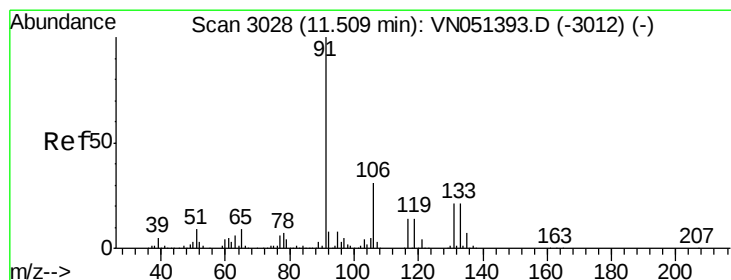
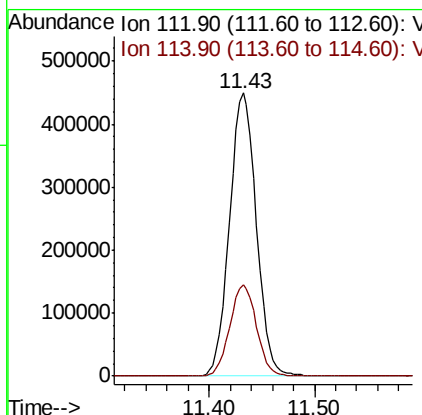
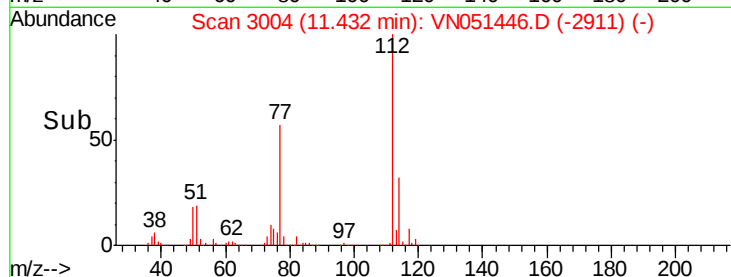
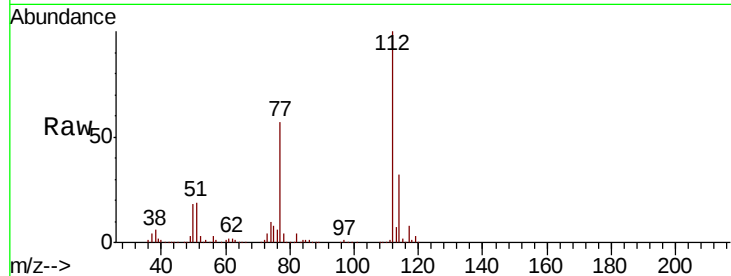
#65
Chlorobenzene
Concen: 48.614 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	789303		
114	32.2	25.4	38.2	

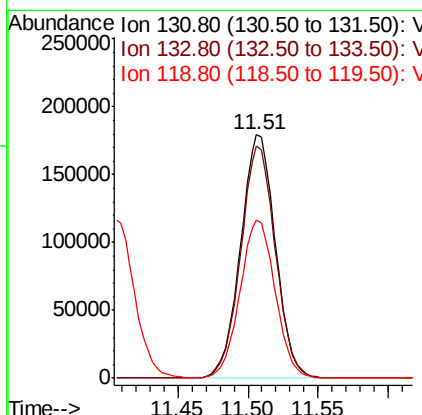
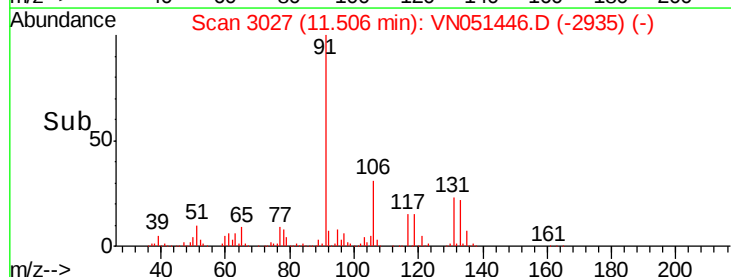
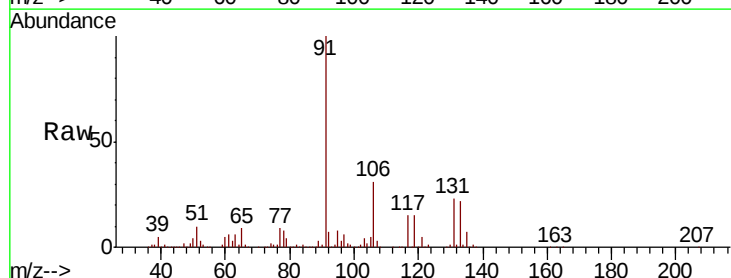
Manual Integrations
APPROVED

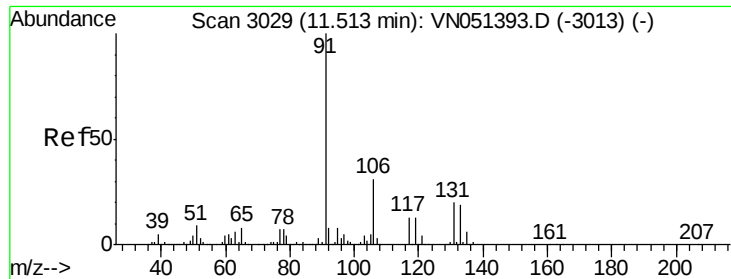
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.207 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	310570		
133	95.0	48.3	144.8	
119	65.7	32.8	98.4	





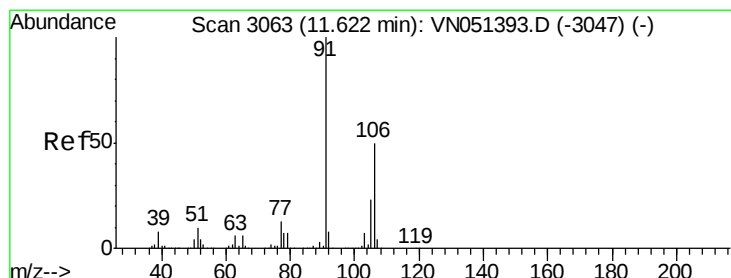
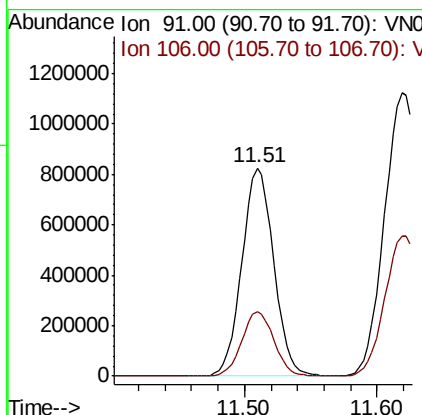
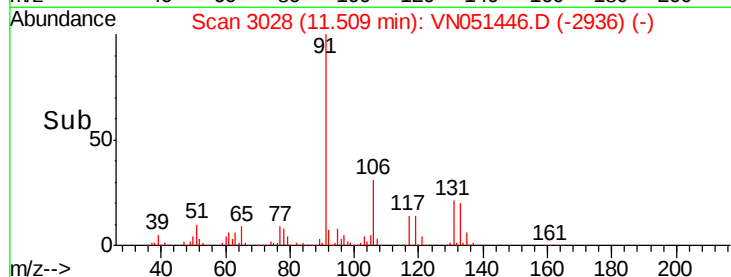
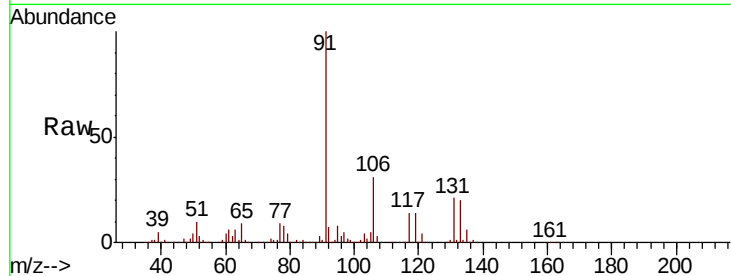
#67
Ethyl Benzene
Concen: 50.318 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1376839
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4

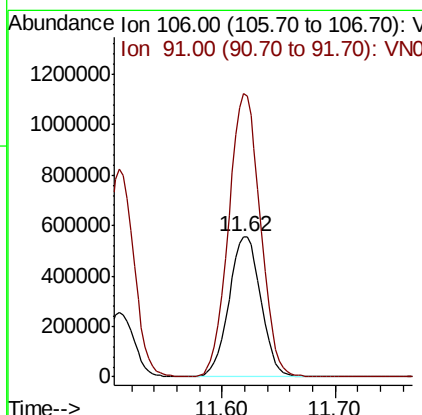
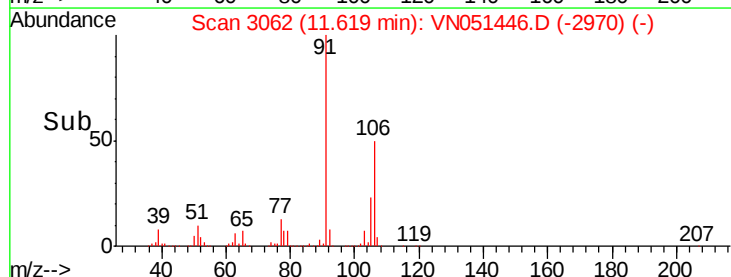
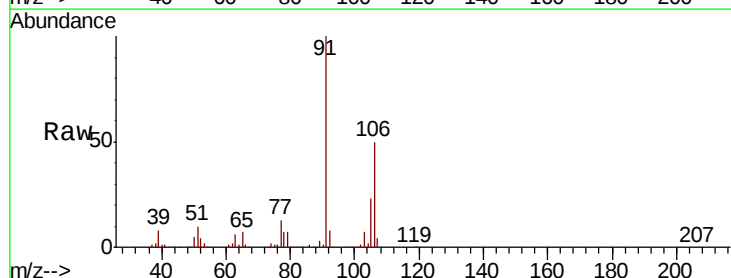
Manual Integrations
APPROVED

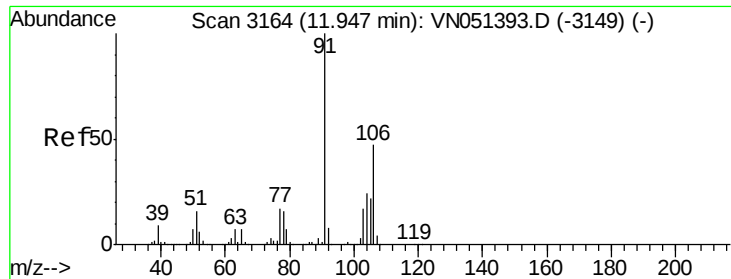
MMDadoda
9/25/2018 11:30:58 AM



#68
m/p-Xylenes
Concen: 102.920 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion: 106 Resp: 1089302
Ion Ratio Lower Upper
106 100
91 201.1 161.3 241.9





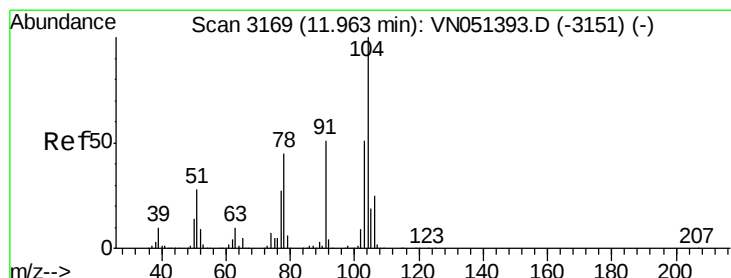
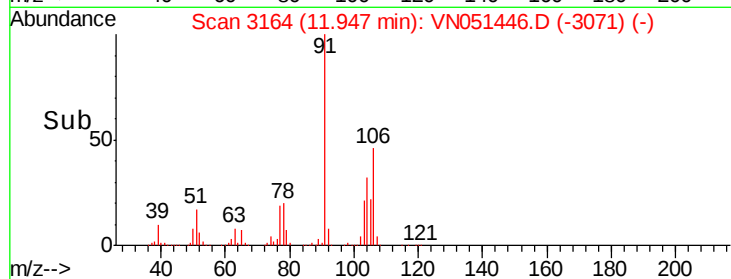
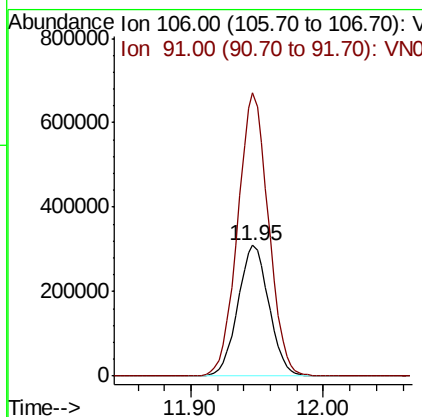
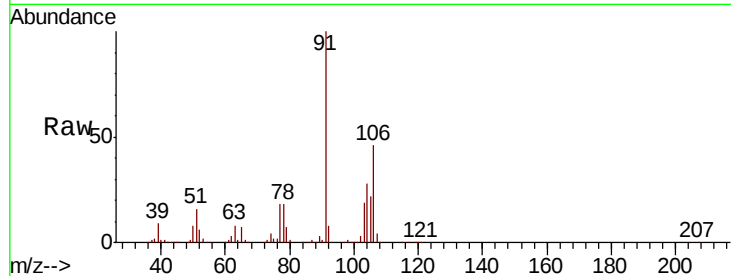
#69
o-Xylene
Concen: 49.552 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.7	105.3	315.9

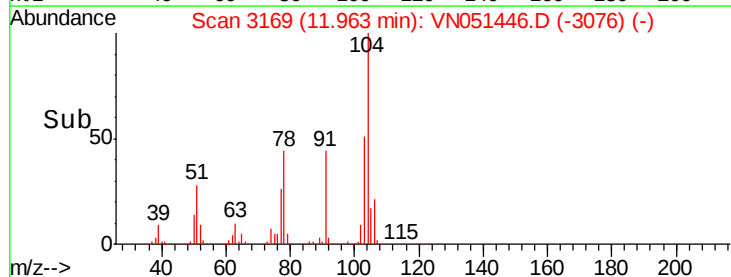
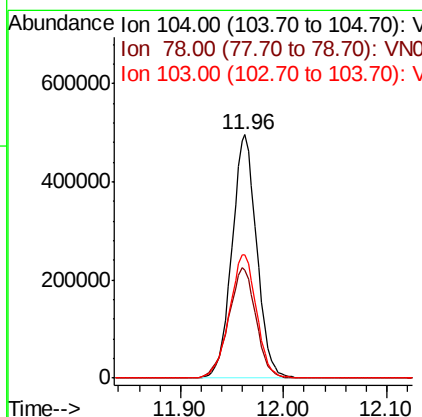
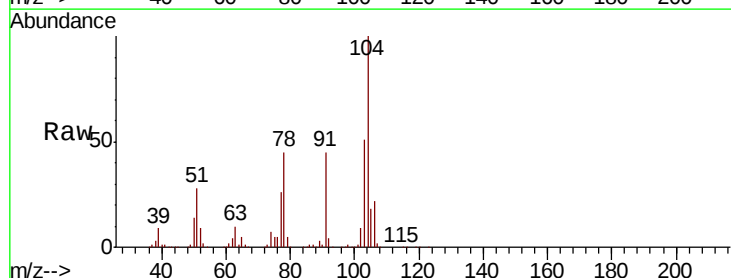
Manual Integrations
APPROVED

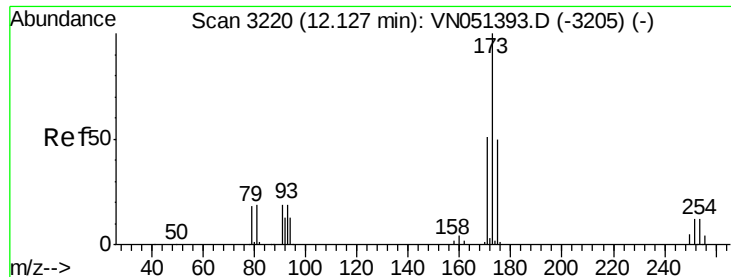
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#70
Styrene
Concen: 51.408 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.1	39.9	59.9
103	55.6	44.6	66.8





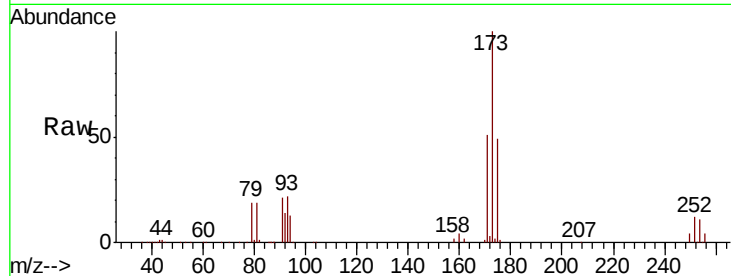
#71
Bromoform
Concen: 47.391 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.8	74.3
254	0.2	0.2	0.2

Manual Integrations
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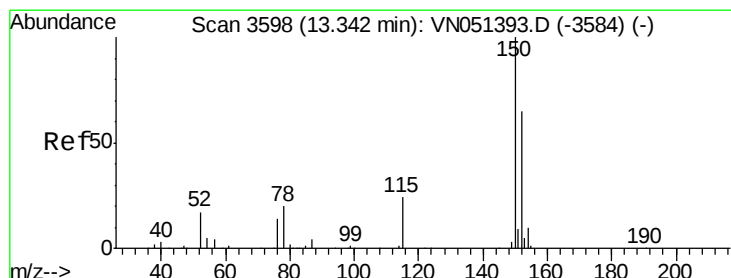
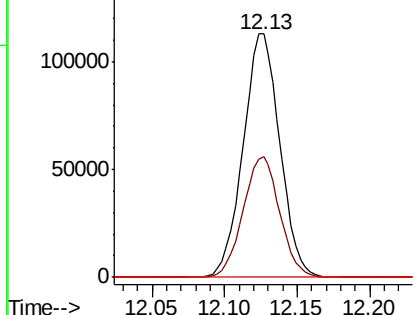
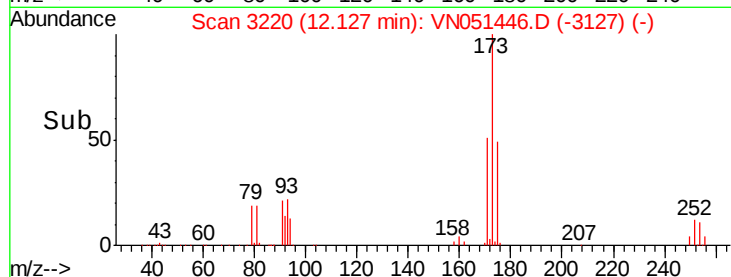


Abundance

Ion 172.70 (172.40 to 173.40): V

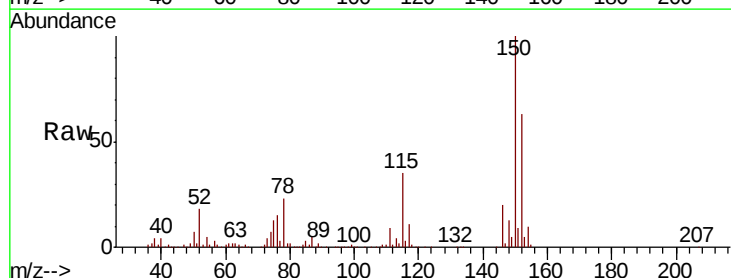
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.3	84.9
150	175.5	0.0	353.6

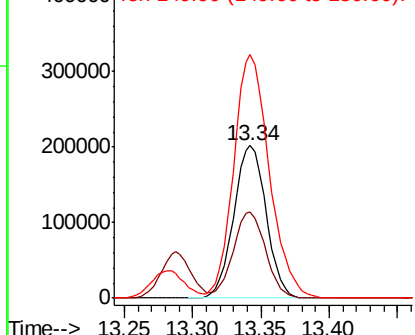
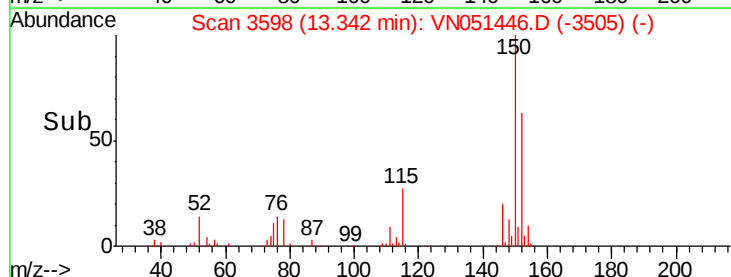


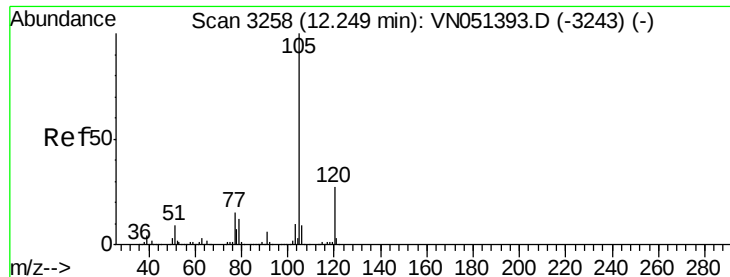
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.202 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1382472

Ion Ratio Lower Upper

105 100

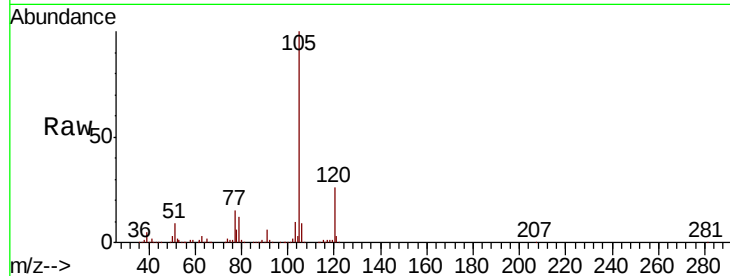
120 26.7 13.3 39.8

Manual Integrations

APPROVED

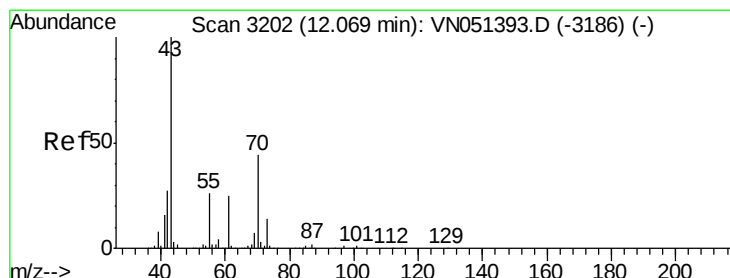
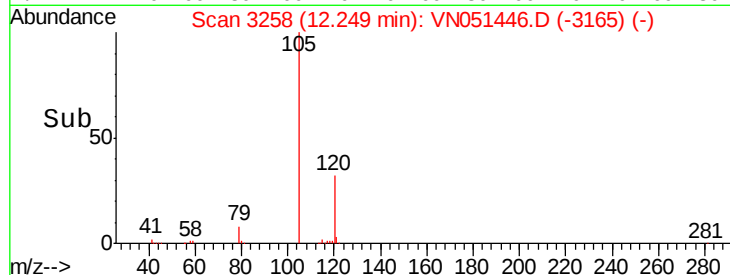
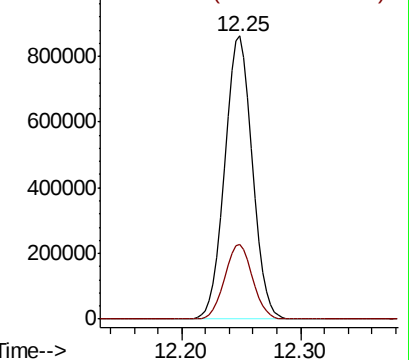
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.151 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Tgt Ion: 43 Resp: 325363

Ion Ratio Lower Upper

43 100

70 42.2 35.0 52.4

55 27.6 21.4 32.2

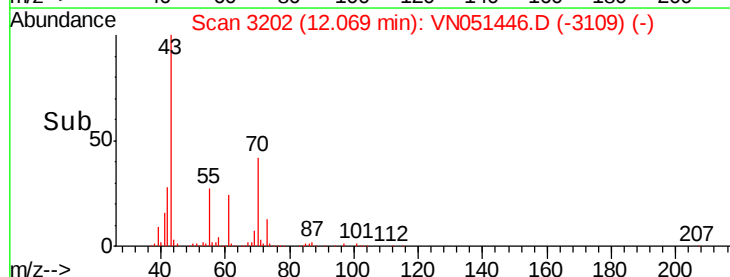
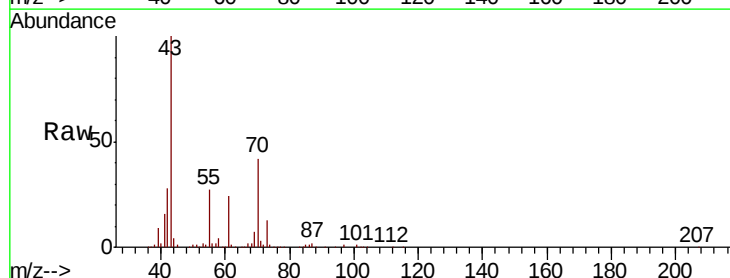
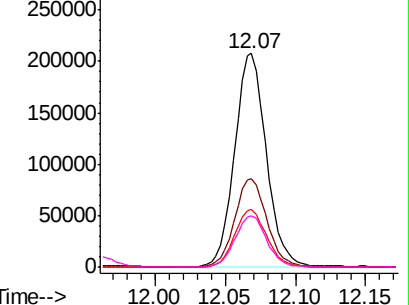
61 24.0 19.8 29.6

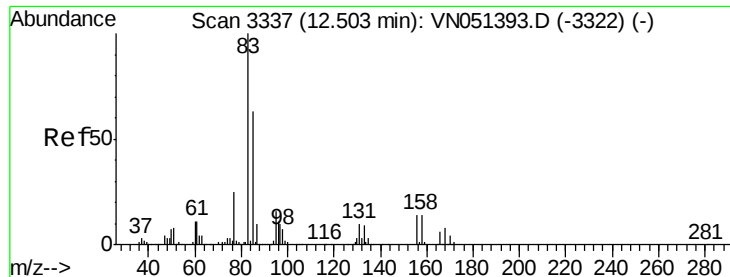
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.740 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

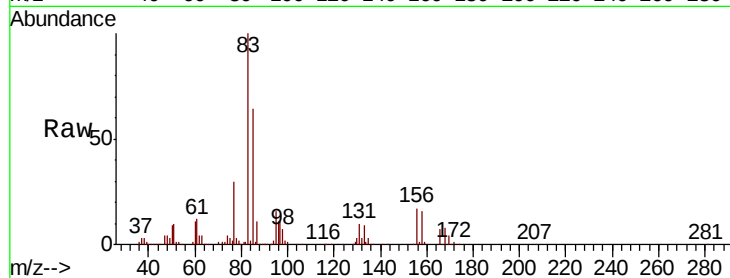
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	299697
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	64.6	31.6	95.0

Manual Integrations
APPROVED

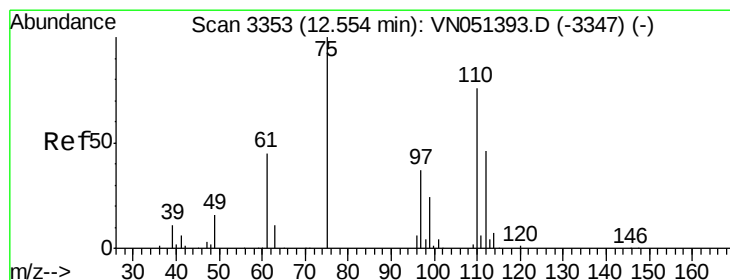
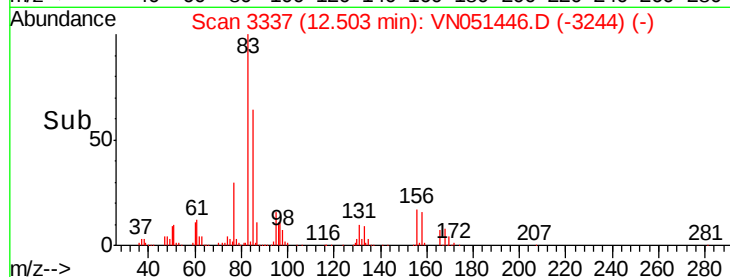
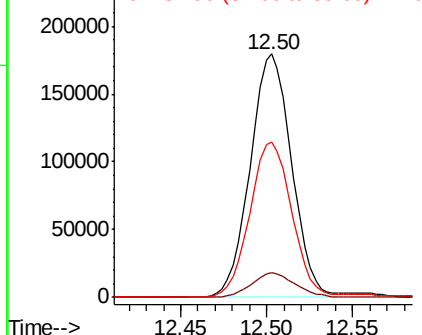
MMDadoda
9/25/2018 11:30:58 AM



Abundance Ion 82.90 (82.60 to 83.60): VN051393.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051393.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051393.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 47.005 ug/l m

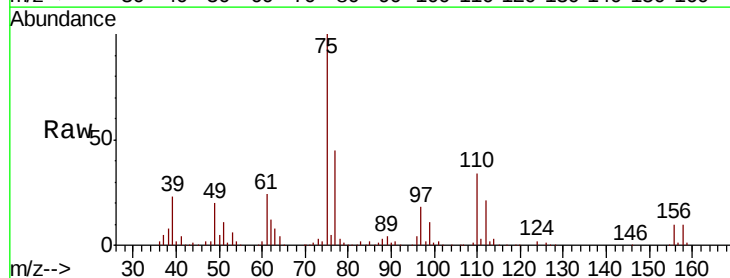
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN051446.D

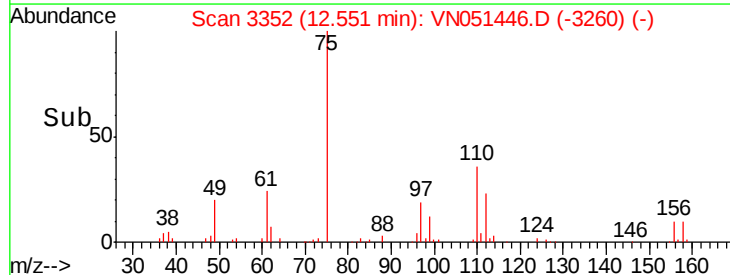
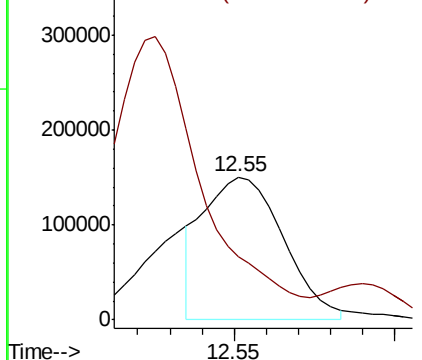
Acq: 24 Sep 2018 8:26

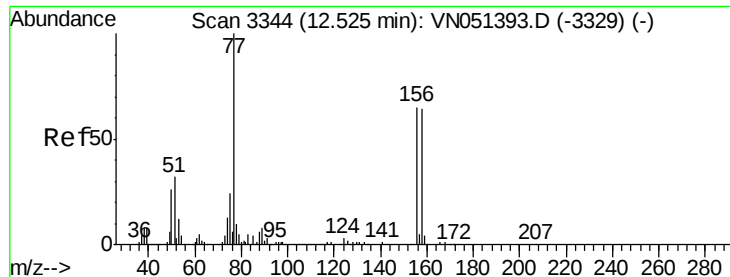
Tgt Ion:	75	Resp:	259858
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051393.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN051393.D (-3347) (-)





#77

Bromobenzene

Concen: 47.412 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

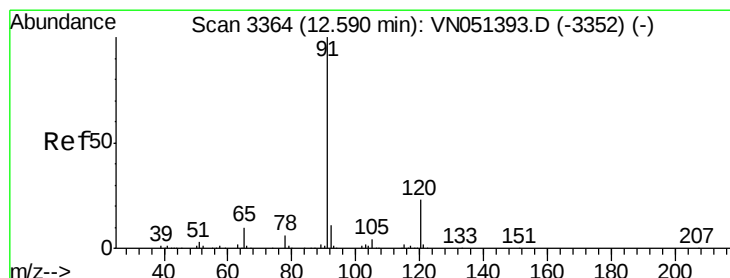
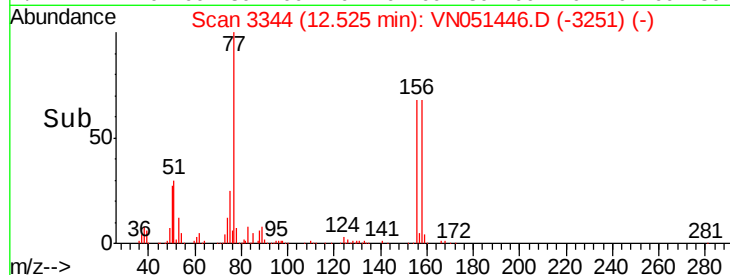
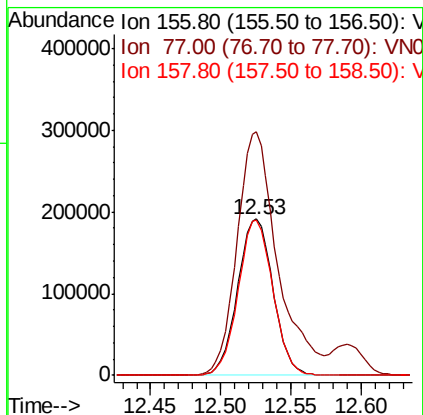
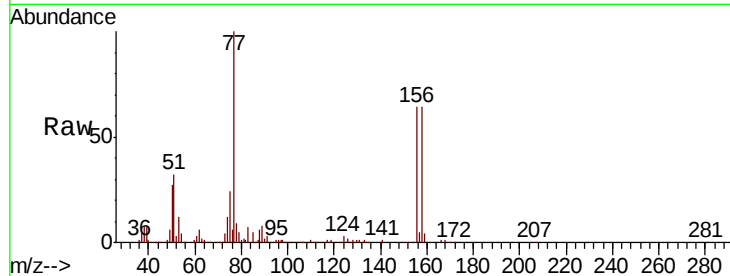
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	337243
Ion Ratio	Lower	Upper	
156	100		
77	178.9	89.5	268.4
158	97.3	49.4	148.2

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#78

n-propylbenzene

Concen: 50.494 ug/l

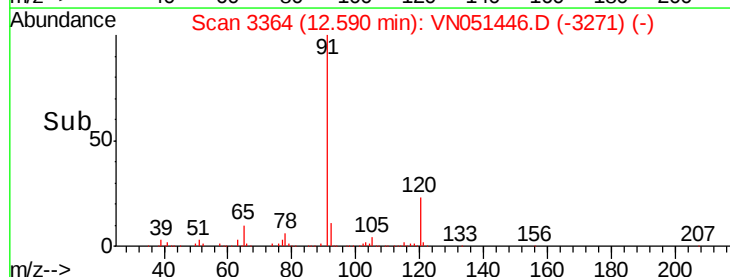
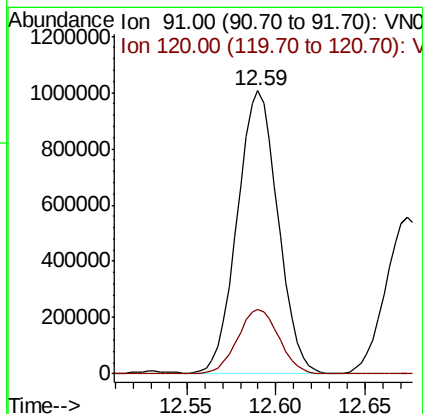
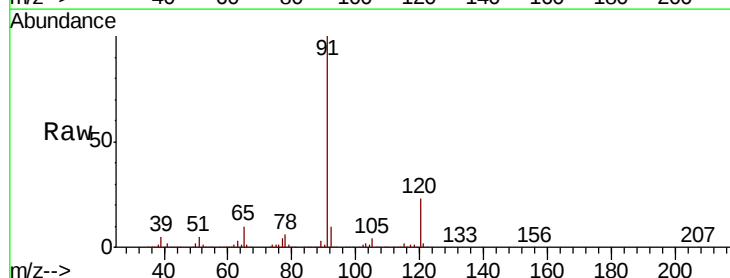
RT: 12.59 min Scan# 3364

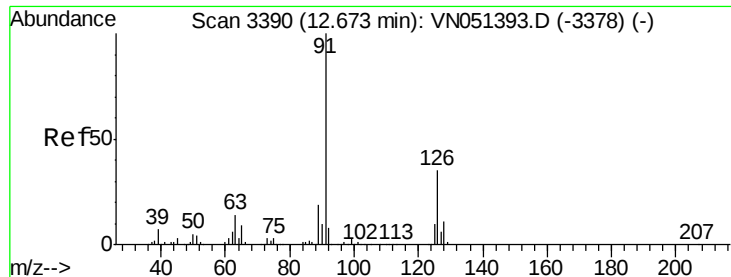
Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Tgt Ion:	91	Resp:	1599001
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.9	35.5





#79

2-Chlorotoluene

Concen: 49.216 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051446.D

Acq: 24 Sep 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 932915

Ion Ratio Lower Upper

91 100

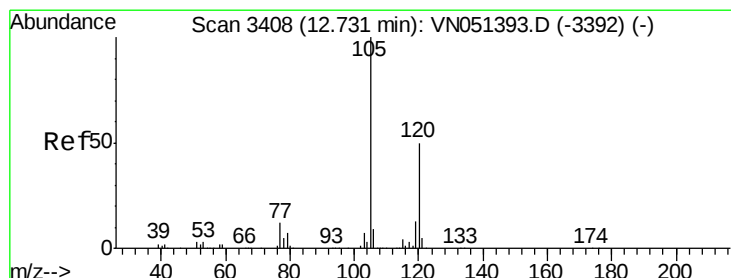
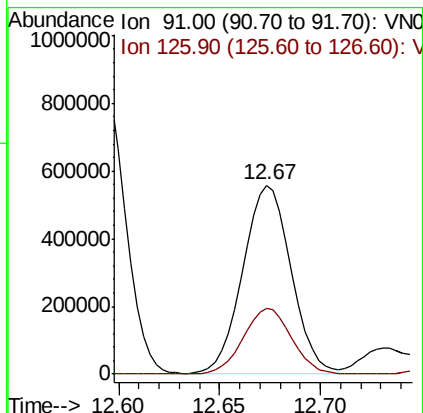
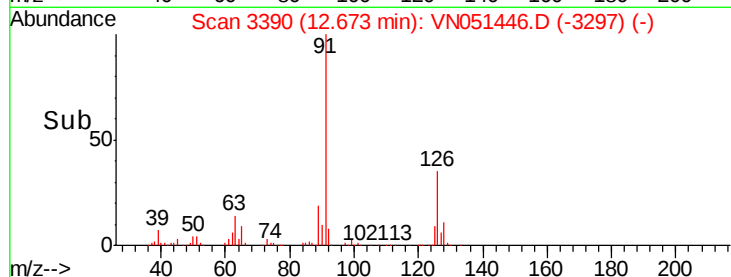
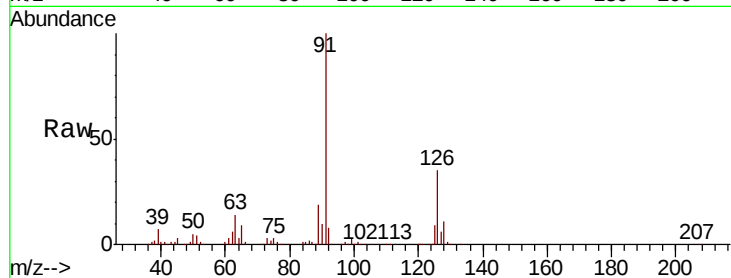
126 34.9 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 51.065 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051446.D

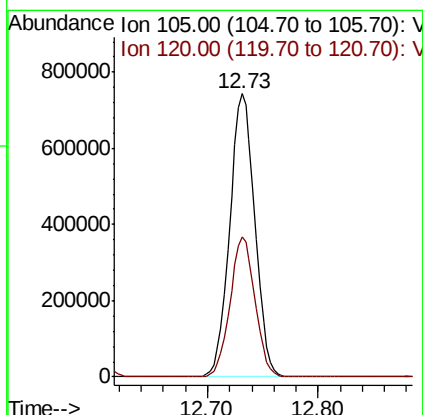
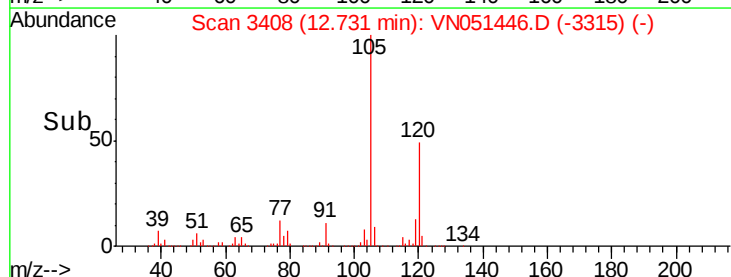
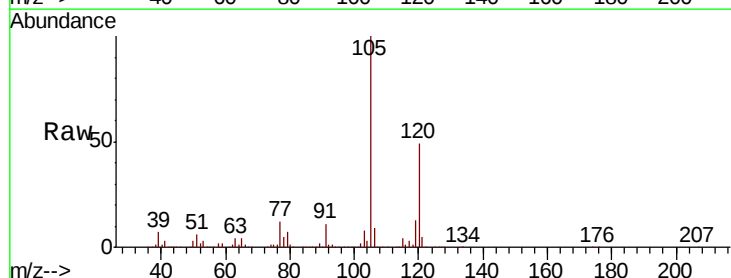
Acq: 24 Sep 2018 8:26

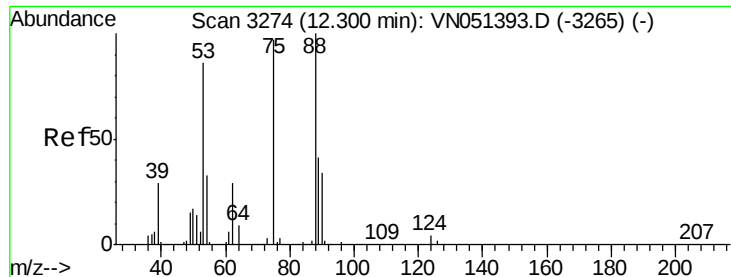
Tgt Ion: 105 Resp: 1169974

Ion Ratio Lower Upper

105 100

120 49.0 24.8 74.4





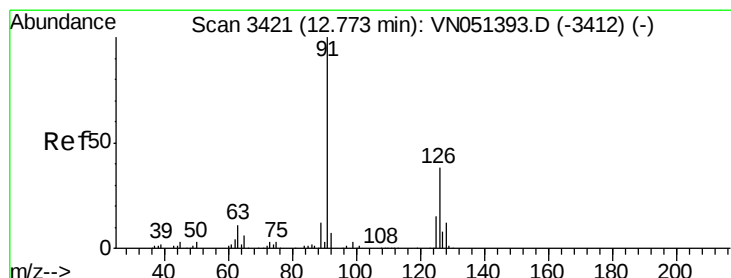
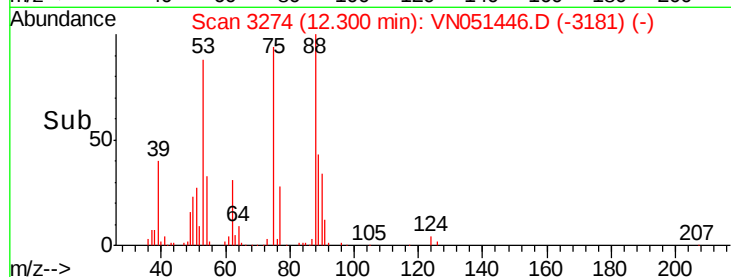
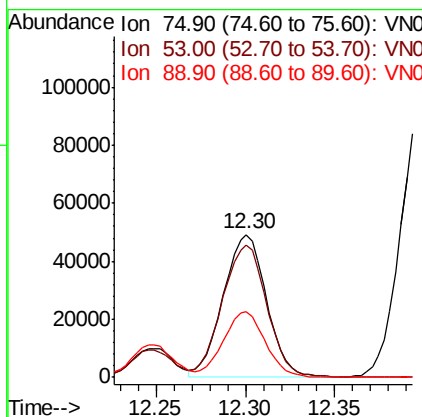
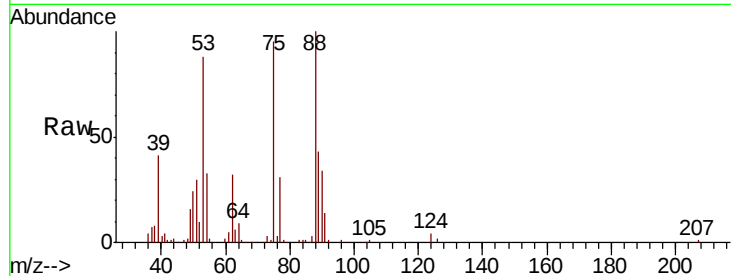
#81
trans-1,4-Dichloro-2-butene
Concen: 46.102 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.9	73.9	110.9
89	44.6	36.7	55.1

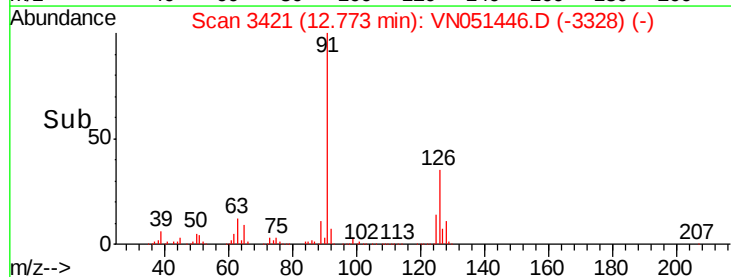
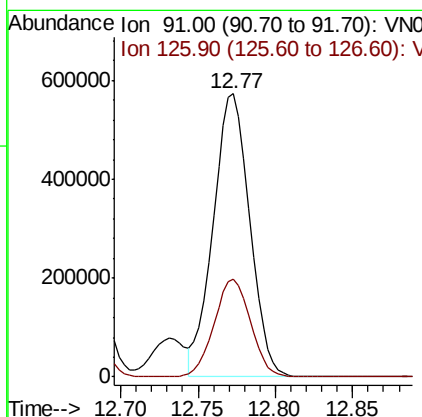
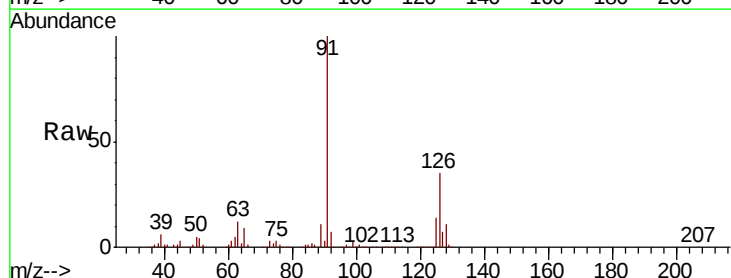
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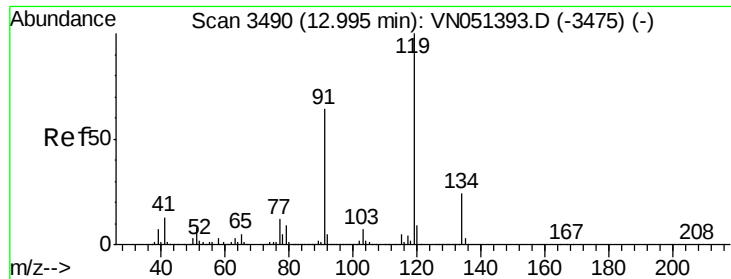
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#82
4-Chlorotoluene
Concen: 49.693 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.5	52.5





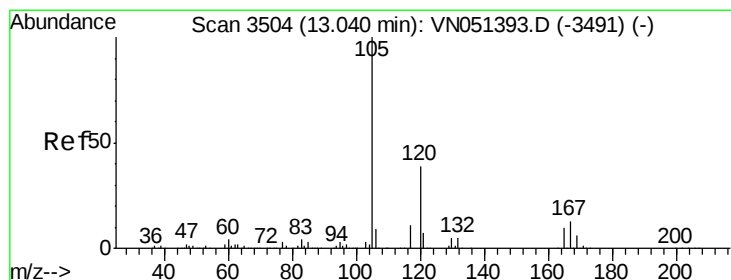
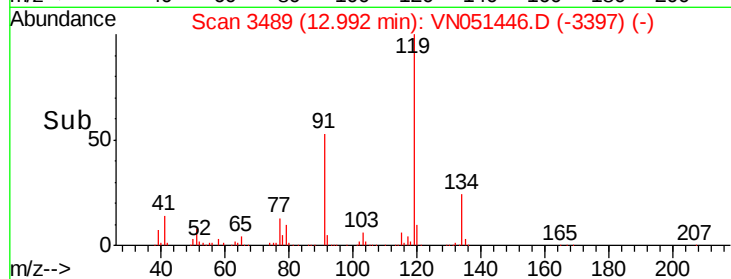
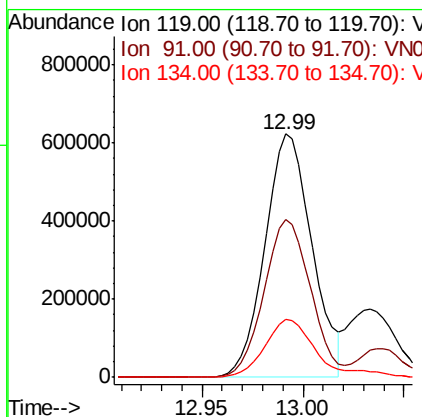
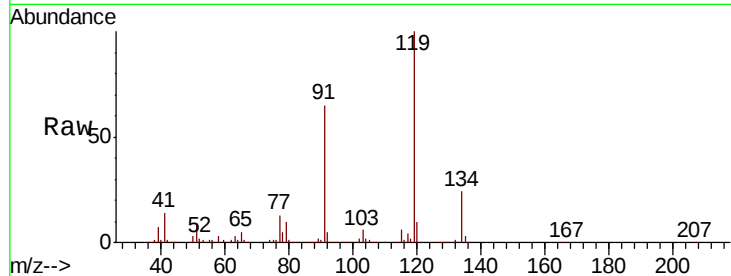
#83
 tert-Butylbenzene
 Concen: 49.564 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:119 Resp: 1010753
 Ion Ratio Lower Upper
 119 100
 91 64.1 31.7 95.1
 134 26.3 12.3 36.9

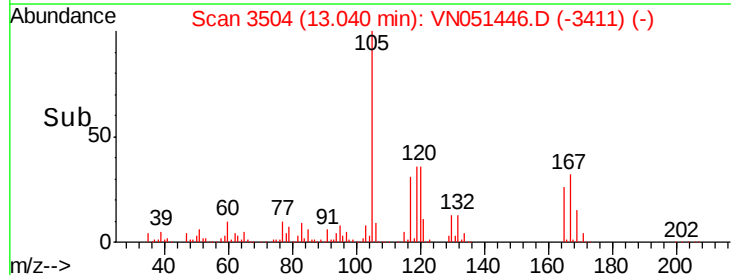
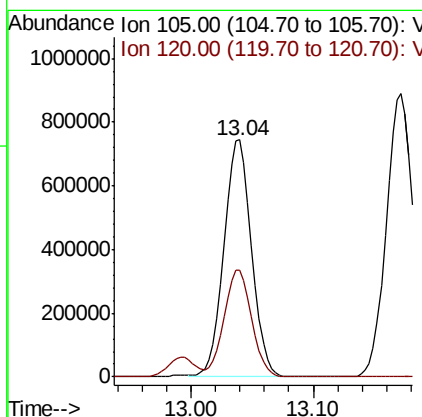
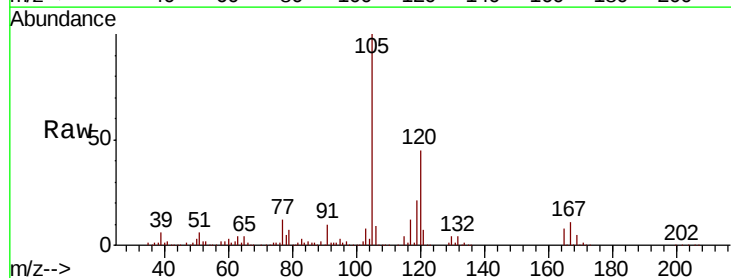
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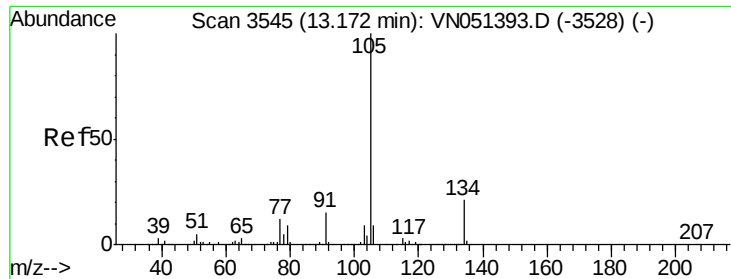
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.156 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion:105 Resp: 1181042
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.9 68.7





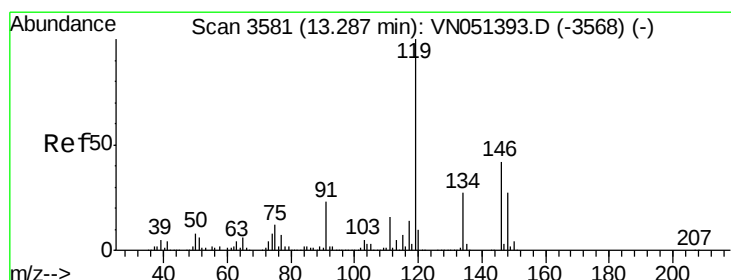
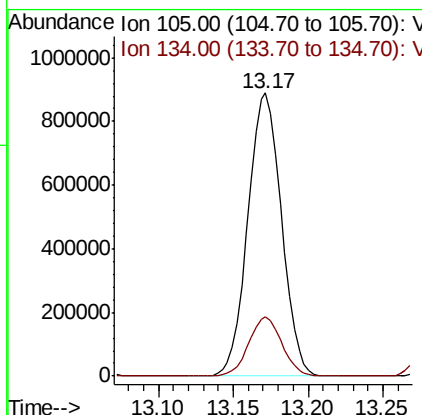
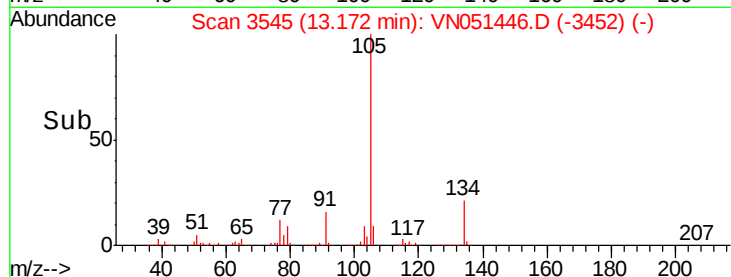
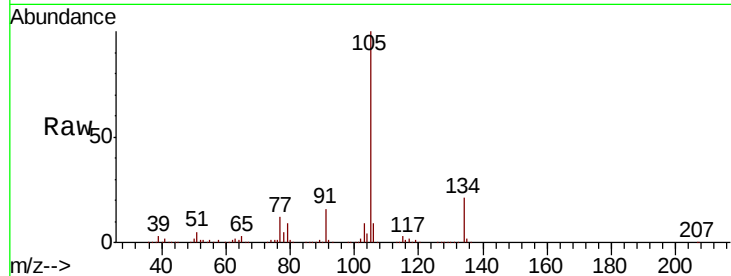
#85
 sec-Butylbenzene
 Concen: 50.391 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1390205
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.4 31.1

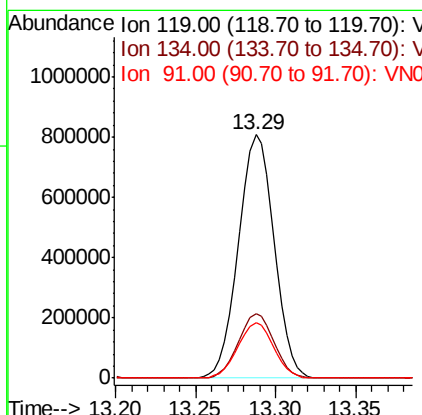
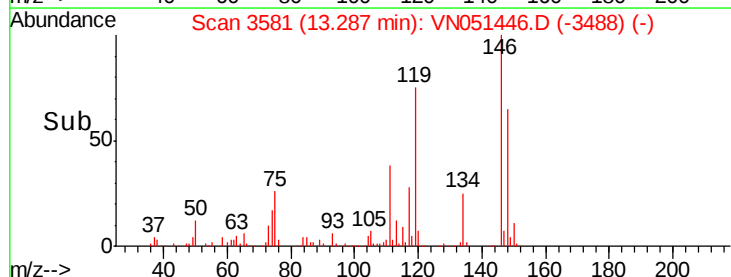
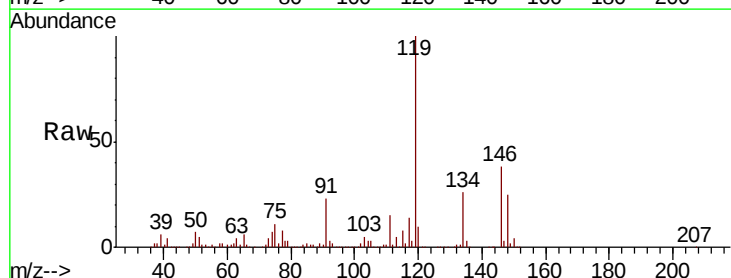
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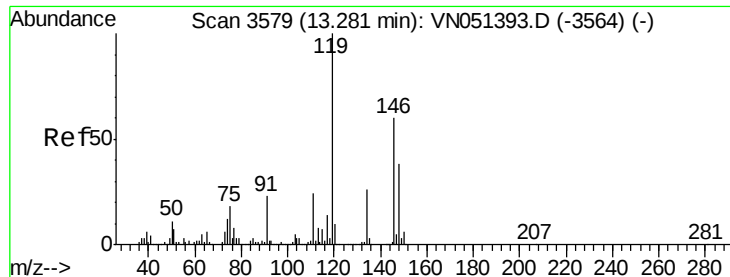
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#86
 p-Isopropyltoluene
 Concen: 51.112 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion:119 Resp: 1220142
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.9
 91 22.7 11.4 34.2





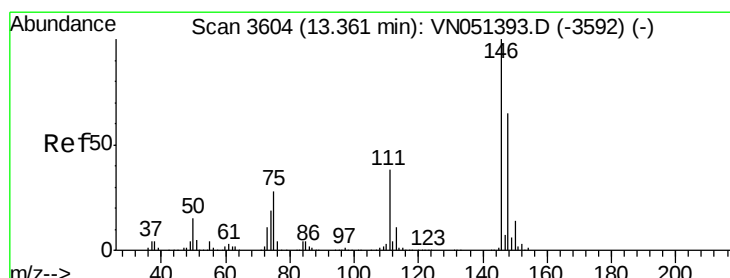
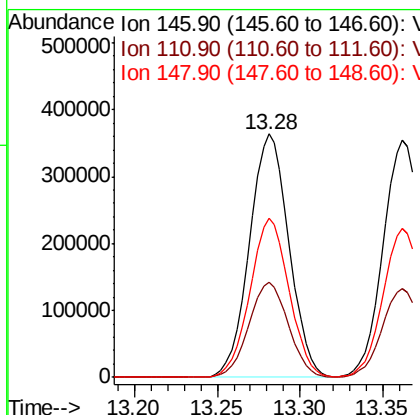
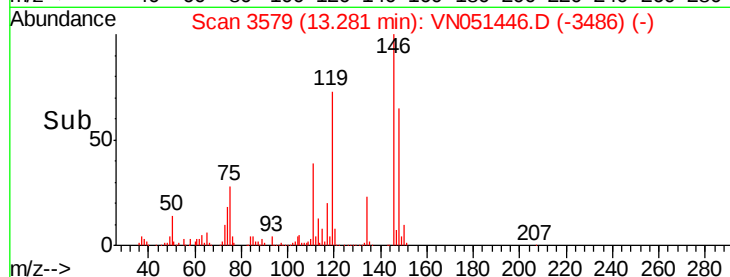
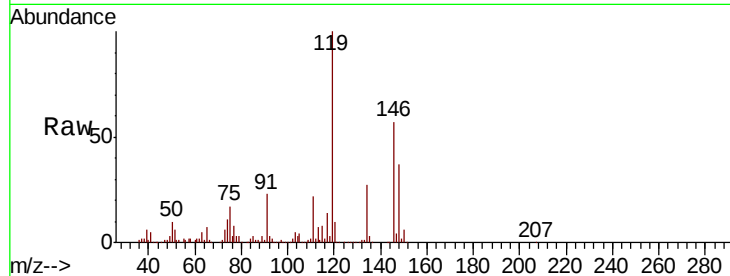
#87
 1,3-Dichlorobenzene
 Concen: 49.012 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	603297		
111	39.0	19.7	59.1	
148	64.6	31.9	95.7	

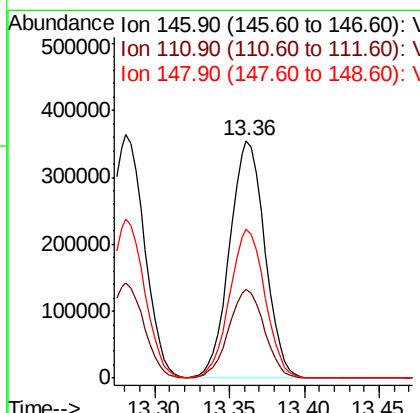
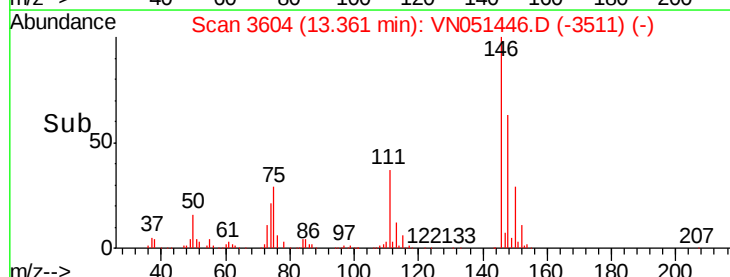
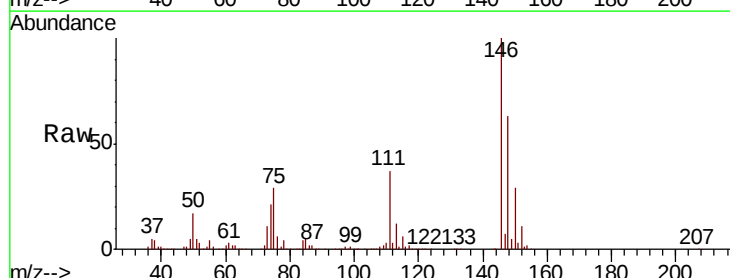
Manual Integrations
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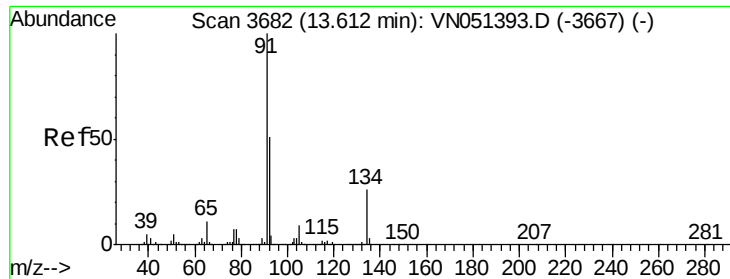
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#88
 1,4-Dichlorobenzene
 Concen: 49.022 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	580598		
111	37.7	19.1	57.1	
148	63.2	32.5	97.5	





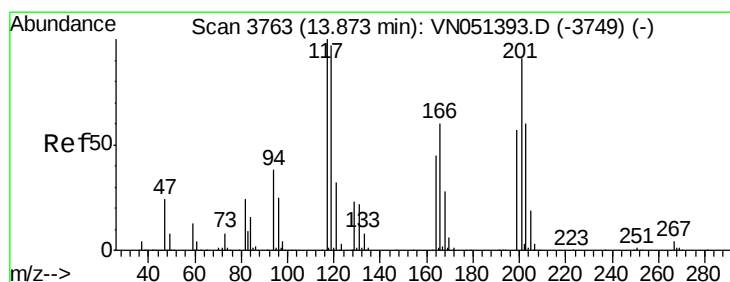
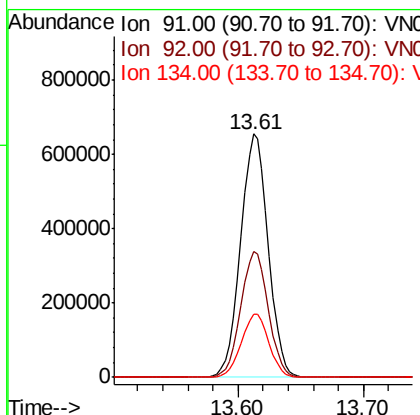
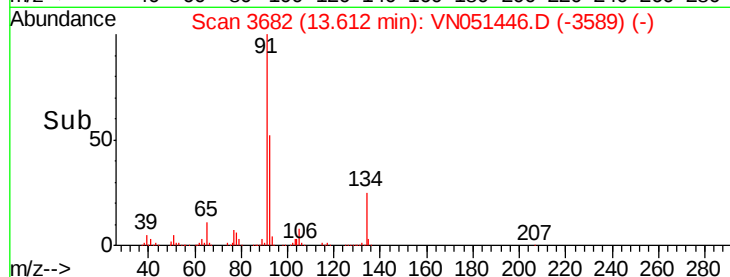
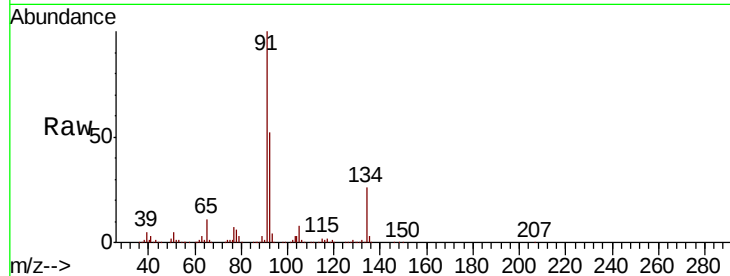
#89
n-Butylbenzene
Concen: 50.884 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.6	25.5	76.5	
134	26.0	13.3	39.8	

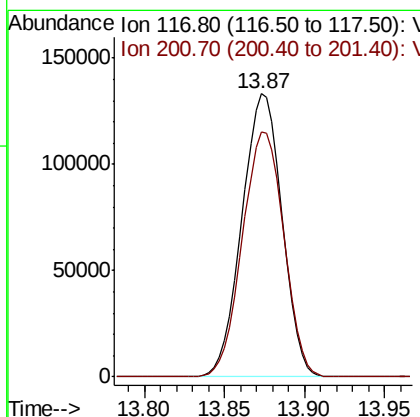
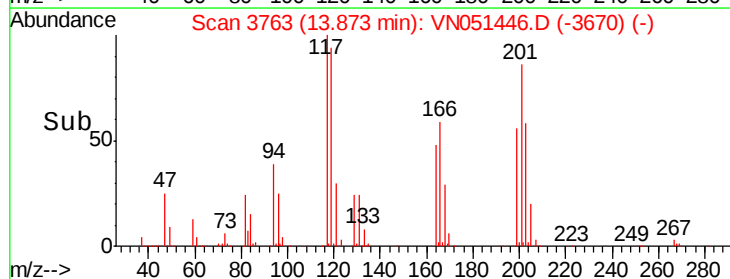
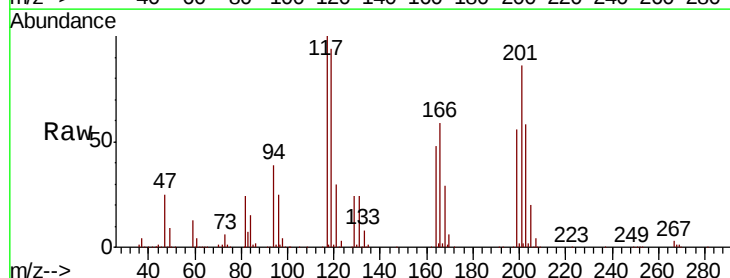
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#90
Hexachloroethane
Concen: 48.185 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	89.3	45.5	136.4	





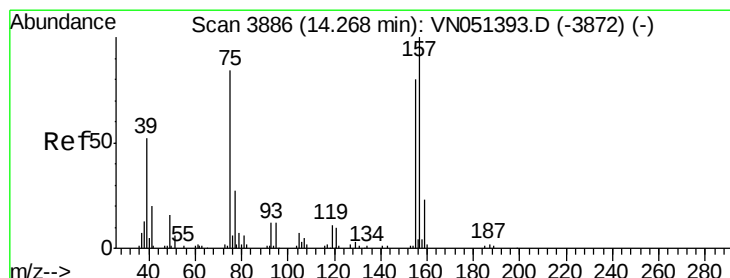
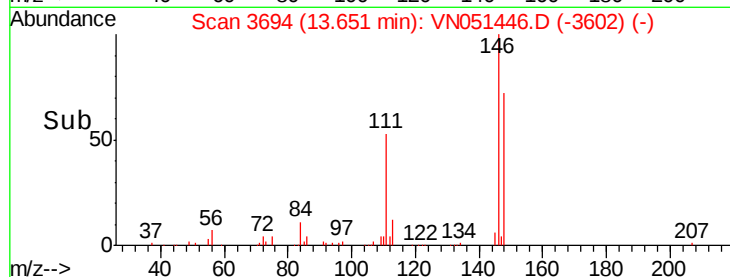
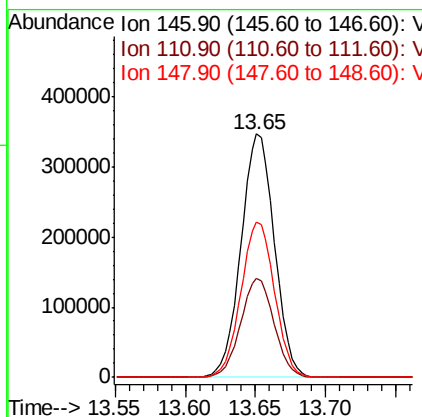
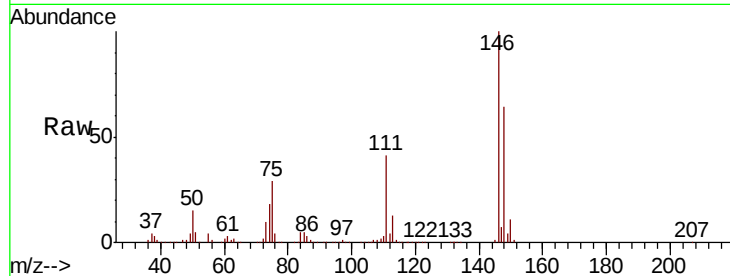
#91
 1,2-Dichlorobenzene
 Concen: 48.199 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	60.0
148	64.1	32.1	96.5

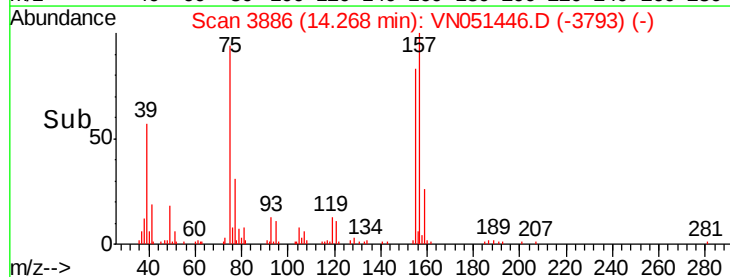
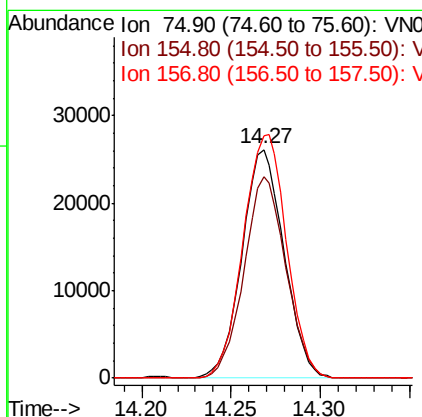
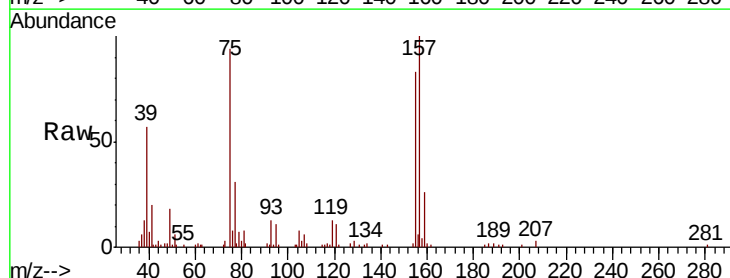
Manual Integrations
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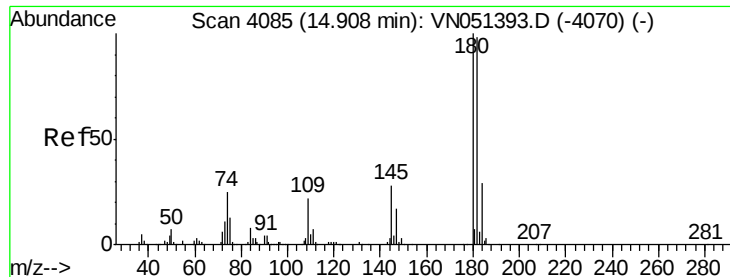
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 9/25/2018 11:30:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.098 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.6	46.9	140.6
157	109.8	58.4	175.1





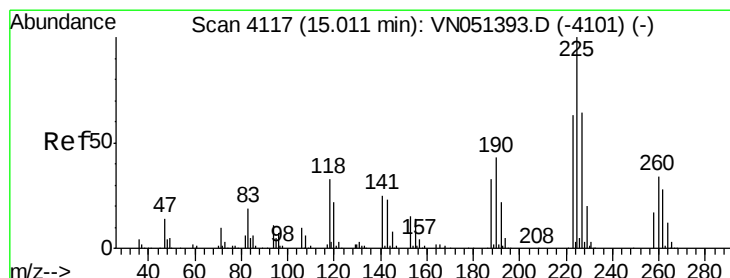
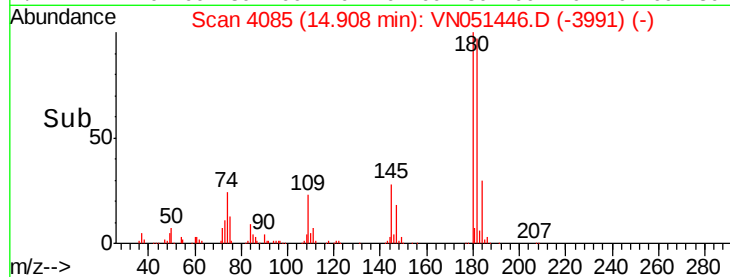
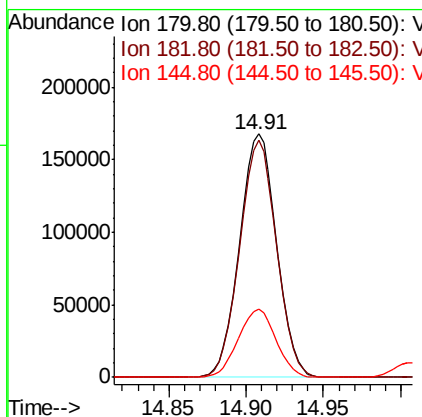
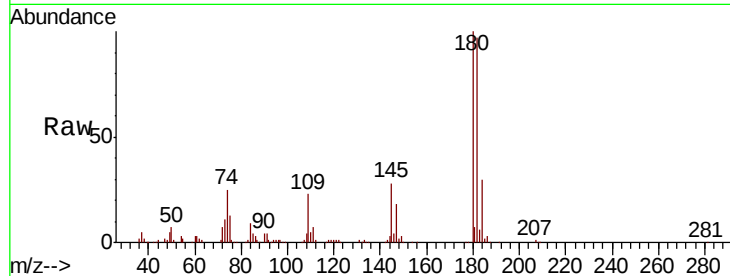
#93
 1,2,4-Trichlorobenzene
 Concen: 44.115 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	278902		
182	96.8	48.5	145.6	
145	28.6	14.1	42.4	

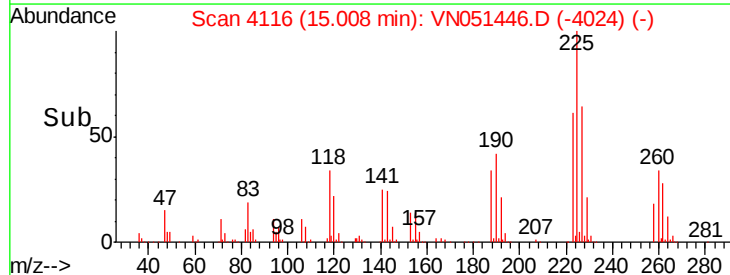
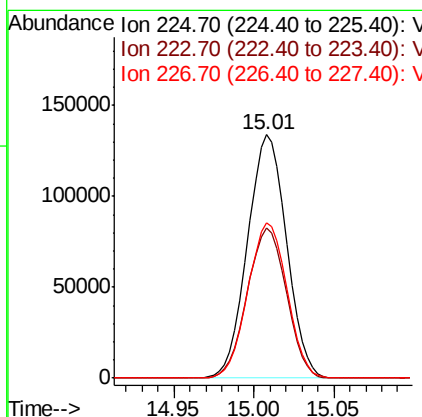
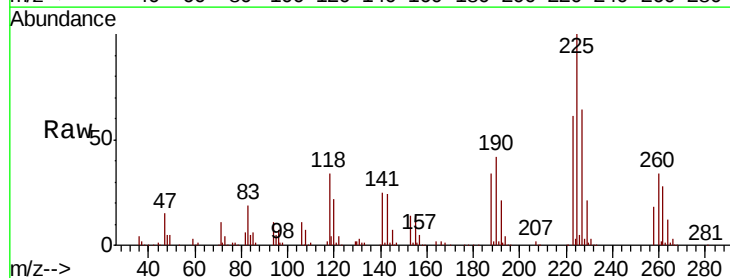
Manual Integrations
 APPROVED

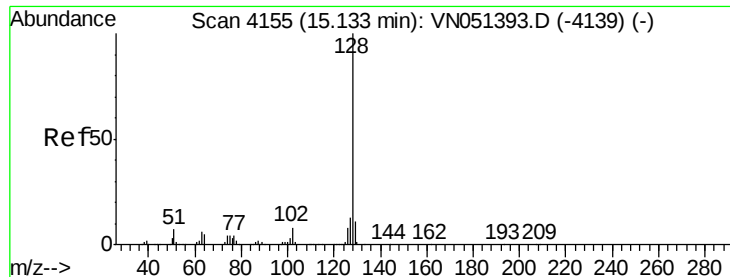
MMDadoda
 9/25/2018 11:30:58 AM



#94
 Hexachlorobutadiene
 Concen: 49.566 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051446.D
 Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	223978		
223	61.8	31.9	95.9	
227	63.9	32.5	97.5	





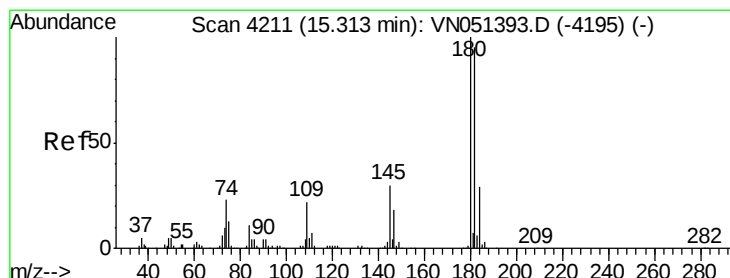
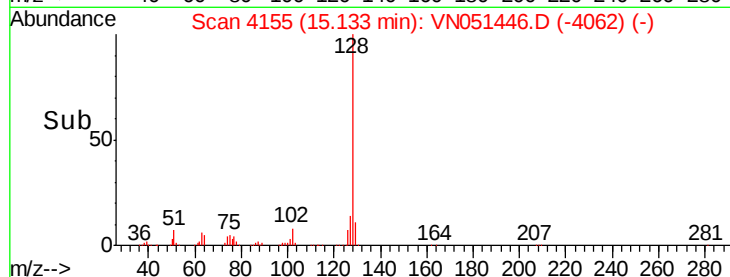
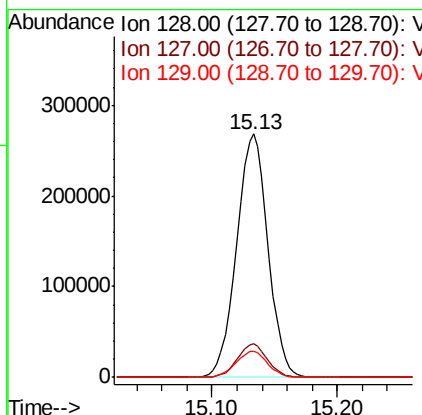
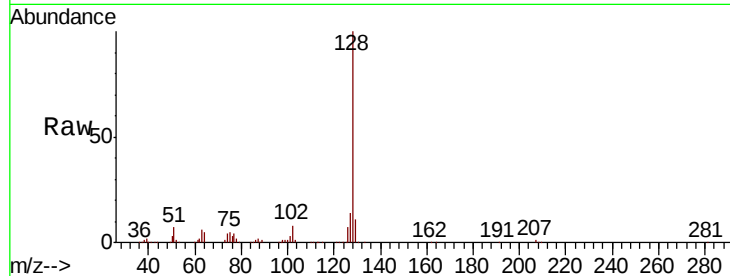
#95
Naphthalene
Concen: 39.496 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	464093		
127	13.2		10.5	15.7
129	10.8		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:30:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.187 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051446.D
Acq: 24 Sep 2018 8:26

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	270451		
182	96.8		47.2	141.6
145	29.6		14.6	43.8

