

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110518\
 Data File : VN052143.D
 Acq On : 5 Nov 2018 12:43
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 9:56:41 AM

Quant Time: Nov 05 22:18:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:07:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	463484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	771285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	663497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	251484	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	3966	0.981	ug/l	92
3) Chloromethane	2.06	50	5829	1.069	ug/l	95
4) Vinyl Chloride	2.18	62	5374	1.029	ug/l	99
5) Bromomethane	2.55	94	4776	1.223	ug/l	81
6) Chloroethane	2.70	64	3419	1.023	ug/l	99
7) Trichlorofluoromethane	3.02	101	7604	1.002	ug/l	100
8) Diethyl Ether	3.41	74	2706	1.021	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.76	101	4337	0.956	ug/l #	58
12) 1,1-Dichloroethene	3.73	96	4289	1.005	ug/l #	81
14) Allyl chloride	4.33	41	7330	1.029	ug/l #	71
15) Acrylonitrile	4.99	53	7465	4.745	ug/l #	46
16) Acetone	3.81	43	7451	5.984	ug/l #	71
17) Carbon Disulfide	4.05	76	12670	1.040	ug/l	99
18) Methyl Acetate	4.33	43	4988m	1.294	ug/l	
19) Methyl tert-butyl Ether	5.03	73	10824m	0.920	ug/l	
20) Methylene Chloride	4.55	84	5789	1.119	ug/l #	86
21) trans-1,2-Dichloroethene	5.05	96	4865m	1.096	ug/l	
22) Diisopropyl ether	5.96	45	15278m	0.972	ug/l	
23) Vinyl Acetate	5.89	43	42756	4.138	ug/l	97
24) 1,1-Dichloroethane	5.84	63	8734	0.983	ug/l #	85
25) 2-Butanone	6.84	43	10191	5.278	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	6705	0.965	ug/l #	67
27) cis-1,2-Dichloroethene	6.82	96	5275	0.979	ug/l	68
28) Bromochloromethane	7.19	49	4376	1.040	ug/l #	51
29) Tetrahydrofuran	7.22	42	5746	4.810	ug/l #	81
30) Chloroform	7.37	83	8156m	0.922	ug/l	
31) Cyclohexane	7.66	56	17213	1.715	ug/l #	36
32) 1,1,1-Trichloroethane	7.57	97	7579m	0.965	ug/l	
36) 1,1-Dichloropropene	7.79	75	7202	1.056	ug/l	94
37) Ethyl Acetate	6.92	43	1360	0.317	ug/l #	81
38) Carbon Tetrachloride	7.76	117	6856m	1.006	ug/l	
39) Methylcyclohexane	9.08	83	7709	0.954	ug/l	97
40) Benzene	8.04	78	19320	0.963	ug/l #	87
41) Methacrylonitrile	7.18	41	1190	0.539	ug/l #	60

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.13	62	6782	1.052	ug/l	85
43) Isopropyl Acetate	8.16	43	8064	1.036	ug/l #	90
44) Trichloroethene	8.83	130	5387	1.014	ug/l	90
45) 1,2-Dichloropropane	9.12	63	5224	0.983	ug/l	94
46) Dibromomethane	9.21	93	3759	1.113	ug/l #	79
47) Bromodichloromethane	9.40	83	5974	0.907	ug/l	92
48) Methyl methacrylate	9.20	41	3373	0.900	ug/l #	86
49) 1,4-Dioxane	9.21	88	324	10.714	ug/l #	45
51) 4-Methyl-2-Pentanone	9.99	43	18916	4.599	ug/l	100
52) Toluene	10.15	92	10780	0.891	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	5503	0.851	ug/l #	80
54) cis-1,3-Dichloropropene	9.84	75	6484	0.857	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	3653	0.857	ug/l #	77
56) Ethyl methacrylate	10.43	69	4829	0.869	ug/l	93
57) 1,3-Dichloropropane	10.71	76	7135	0.950	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	13462	4.500	ug/l	97
59) 2-Hexanone	10.75	43	13360	4.666	ug/l	98
60) Dibromochloromethane	10.90	129	3999	0.825	ug/l	92
61) 1,2-Dibromoethane	11.00	107	3416	0.789	ug/l	81
64) Tetrachloroethene	10.63	164	3854	0.897	ug/l #	91
65) Chlorobenzene	11.43	112	14304	1.058	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.50	131	4145	0.913	ug/l #	62
67) Ethyl Benzene	11.51	91	21043	0.937	ug/l	93
68) m/p-Xylenes	11.62	106	16569	1.912	ug/l	95
69) o-Xylene	11.94	106	7980	0.949	ug/l	94
70) Styrene	11.96	104	12239	0.920	ug/l	92
71) Bromoform	12.12	173	1943	0.739	ug/l #	93
73) Isopropylbenzene	12.25	105	19102	1.005	ug/l	97
74) N-amyl acetate	12.07	43	5645	0.938	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	4253	1.022	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	4637m	1.381	ug/l	
77) Bromobenzene	12.52	156	4639	1.023	ug/l	95
78) n-propylbenzene	12.59	91	22045	1.014	ug/l	98
79) 2-Chlorotoluene	12.67	91	13378	1.050	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	16010	1.040	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.31	75	1025	0.927	ug/l #	37
82) 4-Chlorotoluene	12.77	91	13120	1.024	ug/l	99
83) tert-Butylbenzene	12.99	119	14208	1.045	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	14845	0.969	ug/l	95
85) sec-Butylbenzene	13.17	105	18977	1.033	ug/l	100
86) p-Isopropyltoluene	13.29	119	15053	0.973	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	8285	1.034	ug/l	93
88) 1,4-Dichlorobenzene	13.36	146	8193m	1.023	ug/l	
89) n-Butylbenzene	13.61	91	14171	1.058	ug/l	98
90) Hexachloroethane	13.87	117	2313	0.887	ug/l	77
91) 1,2-Dichlorobenzene	13.65	146	7323	0.974	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	466	0.848	ug/l	74
93) 1,2,4-Trichlorobenzene	14.90	180	4467	1.278	ug/l	88
94) Hexachlorobutadiene	15.01	225	3343	1.645	ug/l	92
95) Naphthalene	15.13	128	8518	1.106	ug/l #	92

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ClientSampleId :
VSTDICC001

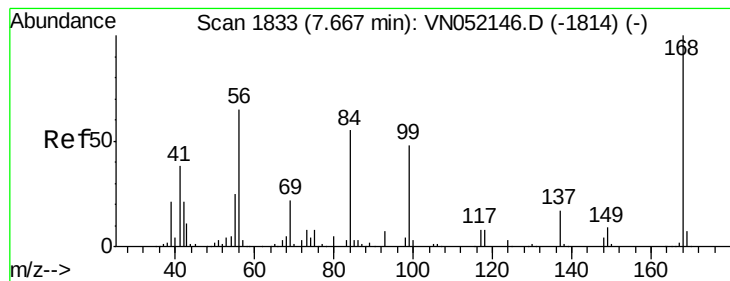
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	4195	1.355	ug/l #	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 463484

Ion Ratio Lower Upper

168 100

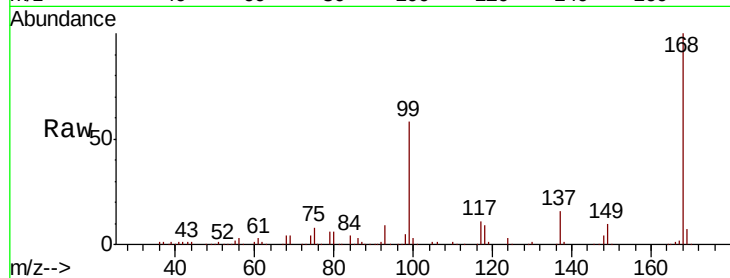
99 57.7 45.4 68.2

Manual Integrations

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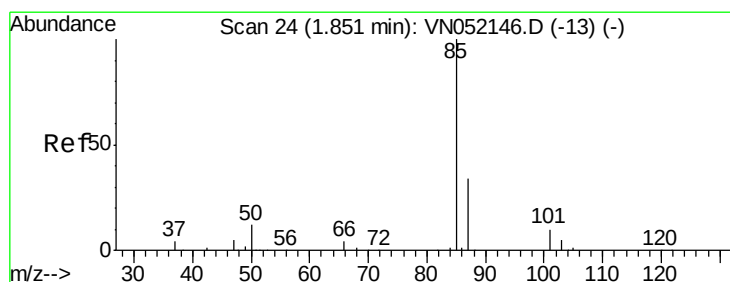
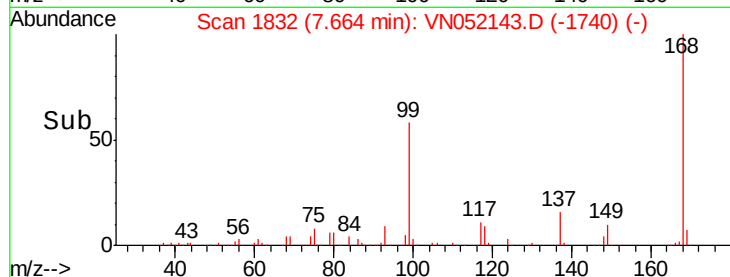
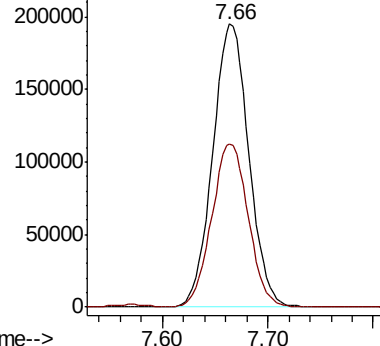
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 0.981 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052143.D

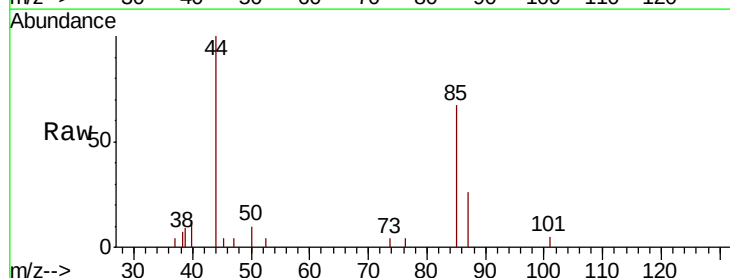
Acq: 5 Nov 2018 12:43

Tgt Ion: 85 Resp: 3966

Ion Ratio Lower Upper

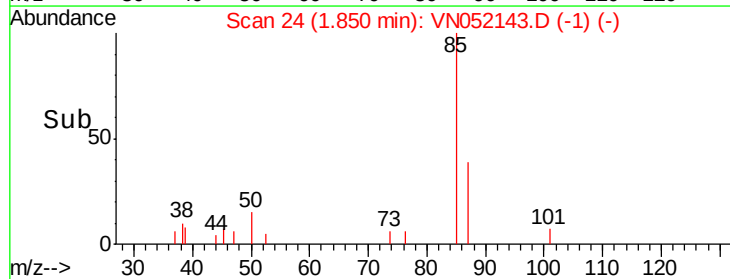
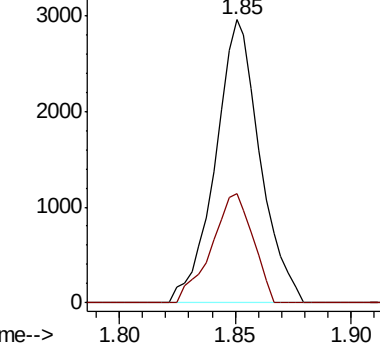
85 100

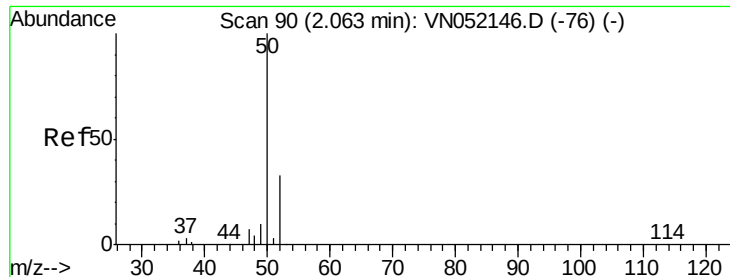
87 38.7 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 1.069 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 5829

Ion Ratio Lower Upper

50 100

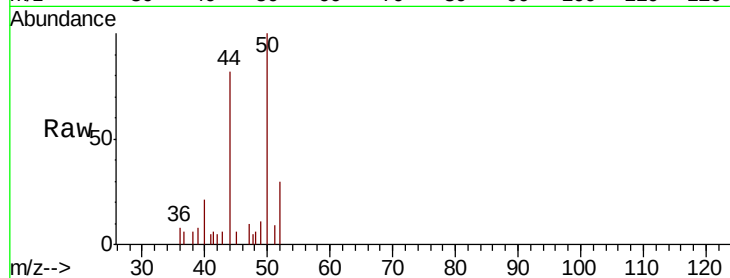
52 29.8 26.2 39.4

Manual Integrations

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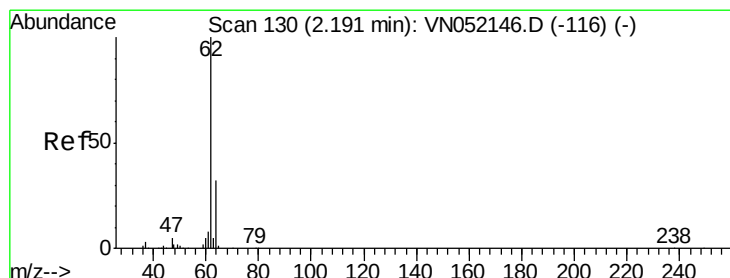
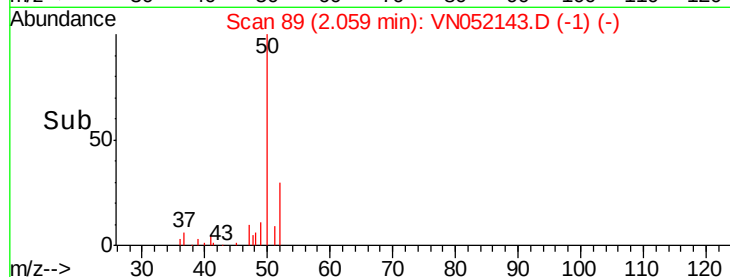
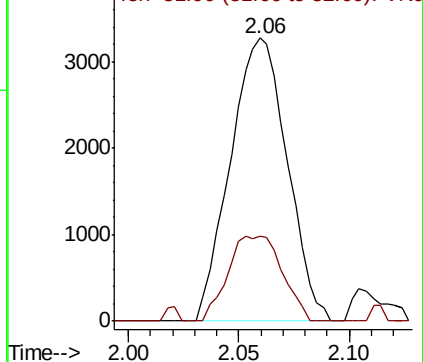
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 1.029 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.01 min

Lab File: VN052143.D

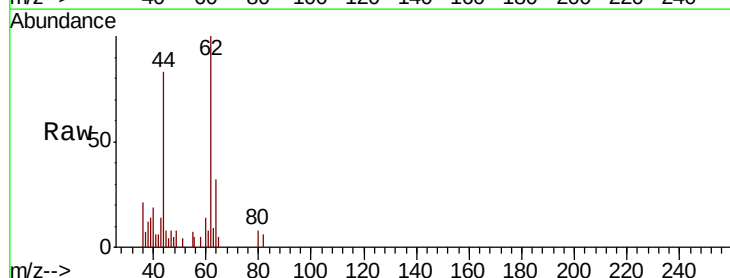
Acq: 5 Nov 2018 12:43

Tgt Ion: 62 Resp: 5374

Ion Ratio Lower Upper

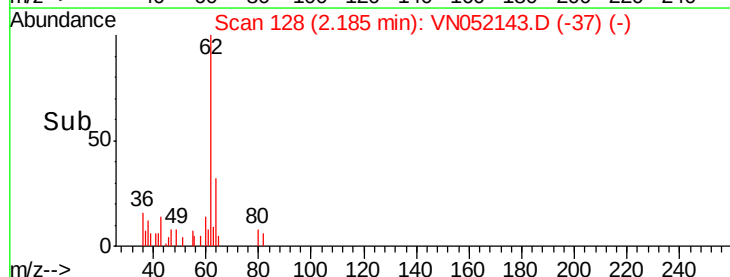
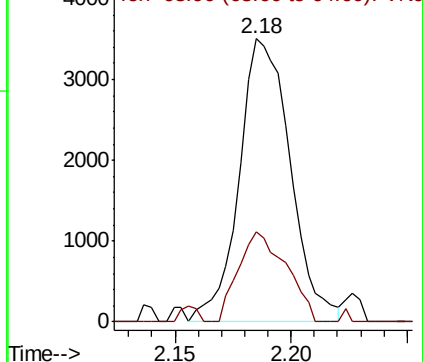
62 100

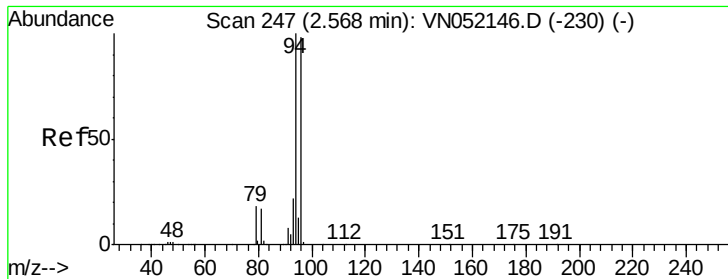
64 31.7 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 1.223 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.02 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 94 Resp: 4776

Ion Ratio Lower Upper

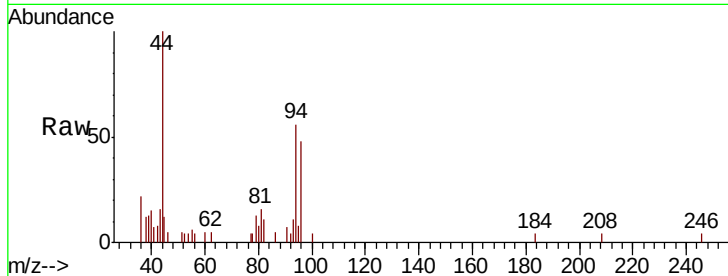
94 100

96 78.8 78.3 117.5

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2500

2000

1500

1000

500

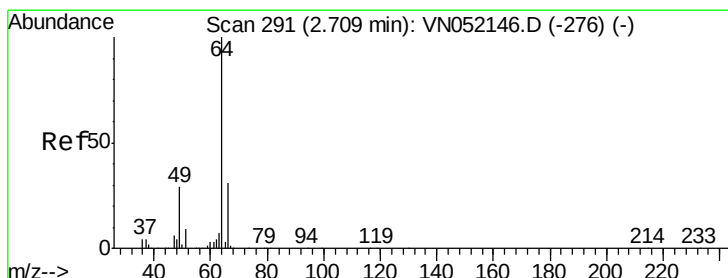
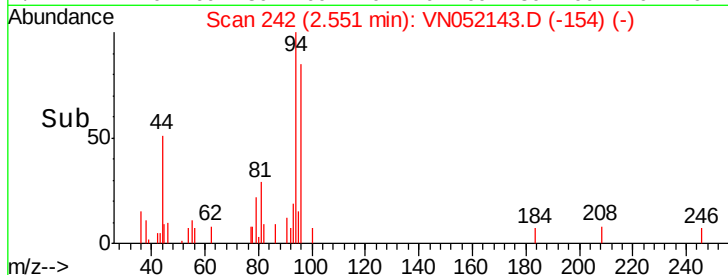
0

2.50

2.55

2.60

Time-->



#6

Chloroethane

Concen: 1.023 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN052143.D

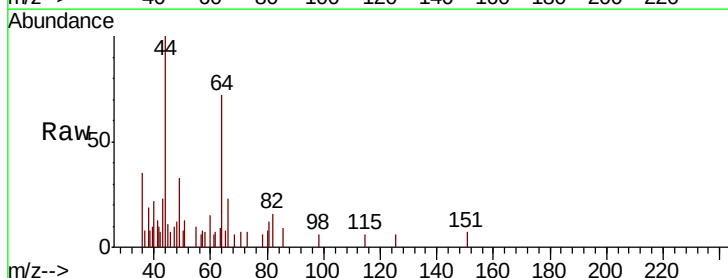
Acq: 5 Nov 2018 12:43

Tgt Ion: 64 Resp: 3419

Ion Ratio Lower Upper

64 100

66 31.2 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2000

1500

1000

500

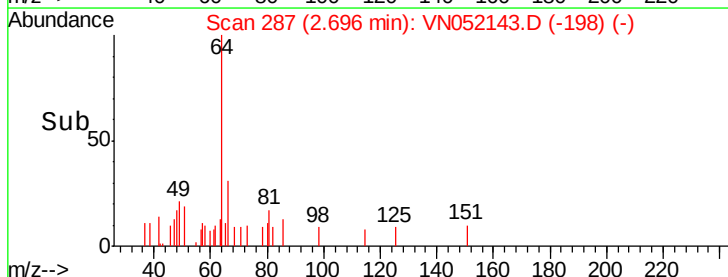
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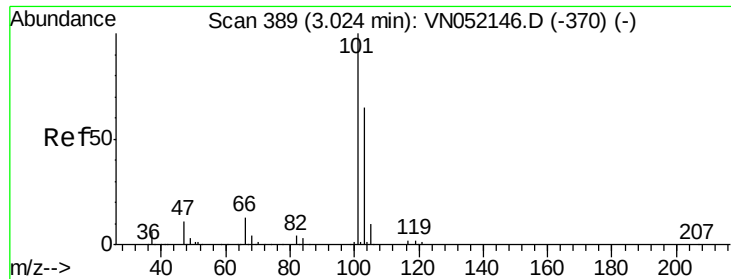
2.65

2.70

2.75

Time-->





#7

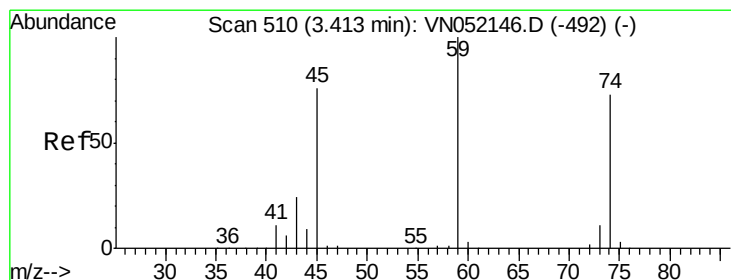
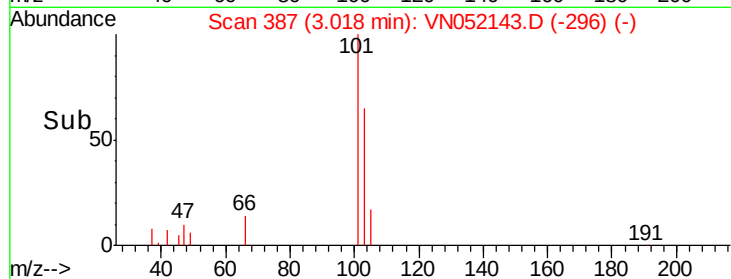
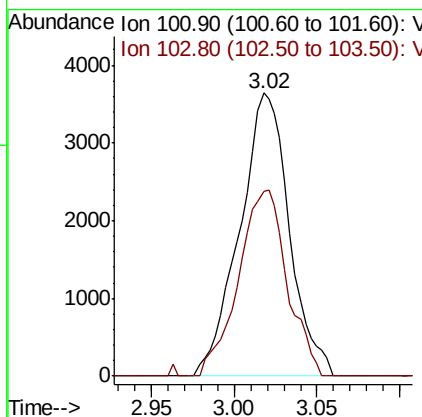
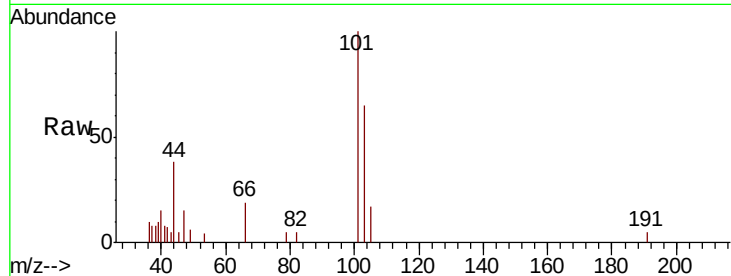
Trichlorofluoromethane
 Concen: 1.002 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Instrument :
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 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.4

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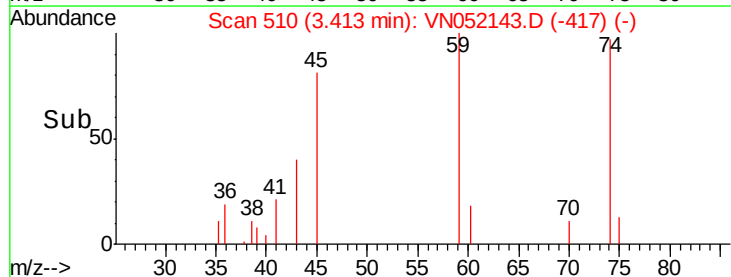
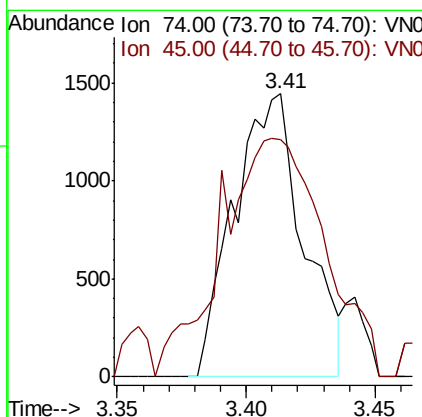
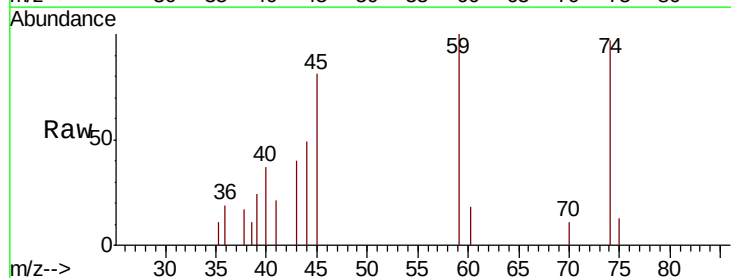
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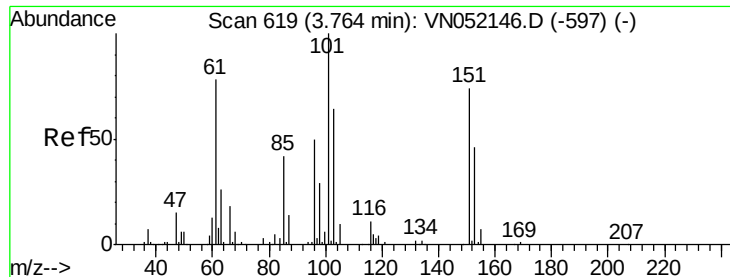


#8

Diethyl Ether
 Concen: 1.021 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	125.6	49.1	147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.956 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

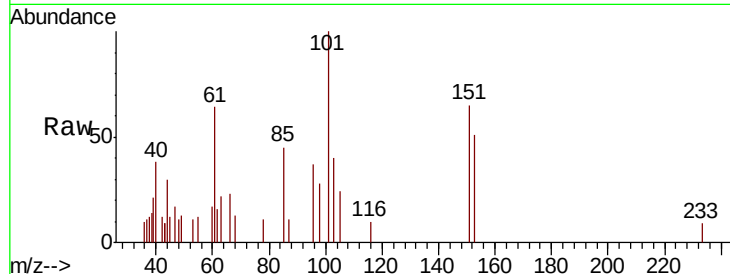
ClientSampleId :

VSTDIC001

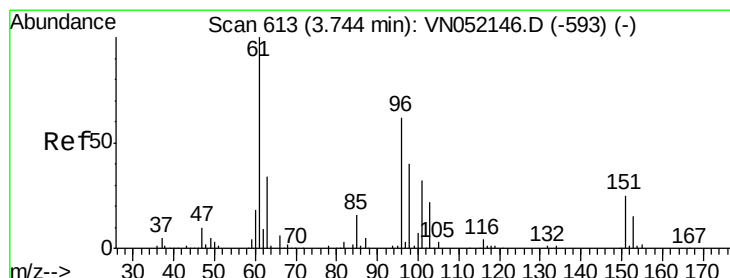
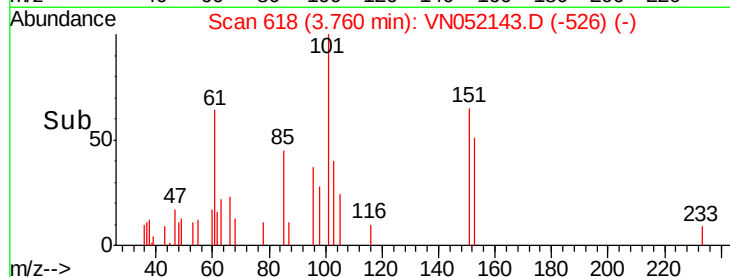
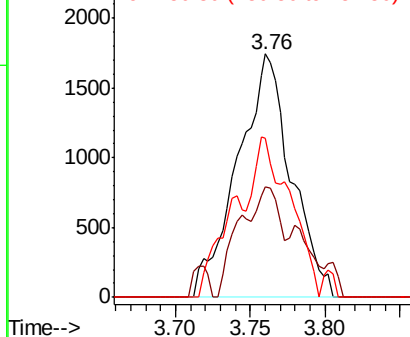
Tot Ion:	101	Resp:	4337
Ion Ratio	Lower	Upper	
101	100		
85	9.8	36.1	54.1#
151	45.7	59.7	89.5#

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VNO
Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 1.005 ug/l

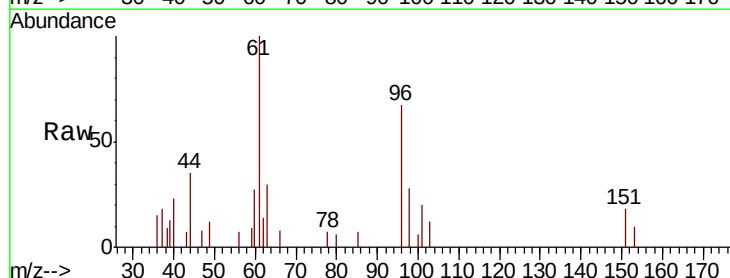
RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

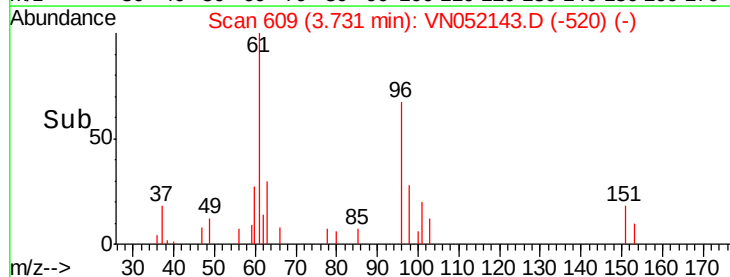
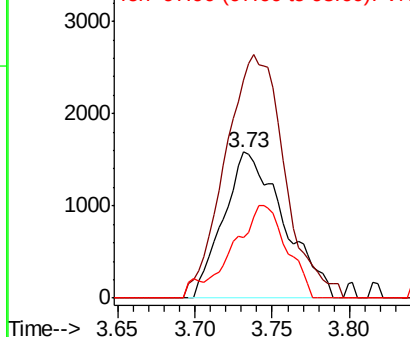
Lab File: VN052143.D

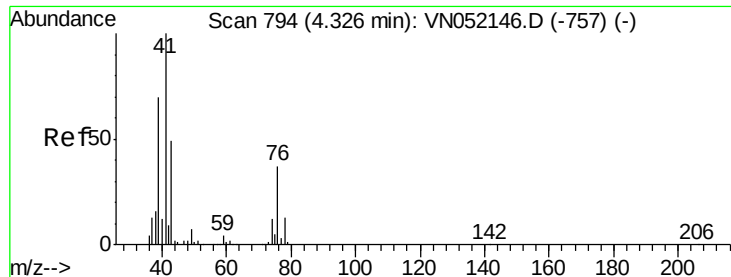
Acq: 5 Nov 2018 12:43

Tgt Ion:	96	Resp:	4289
Ion Ratio	Lower	Upper	
96	100		
61	139.5	128.4	192.6
98	41.8	50.9	76.3#



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





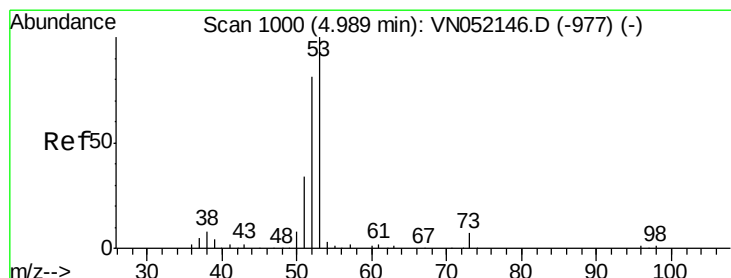
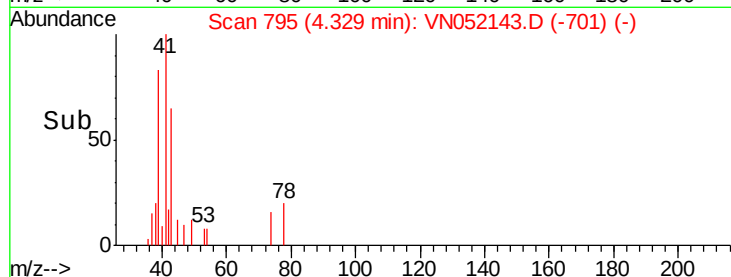
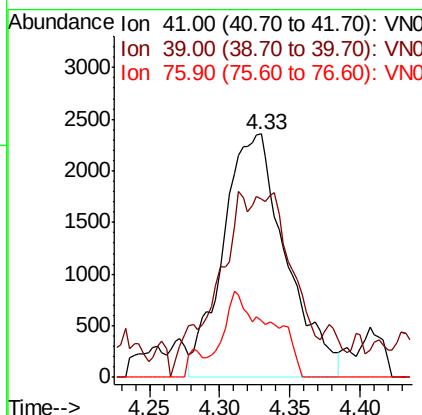
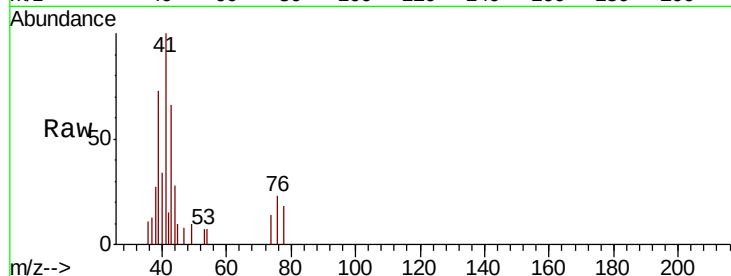
#14
Allvl chloride
Concen: 1.029 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	39.2	55.3	82.9#
76	26.5	27.8	41.8#

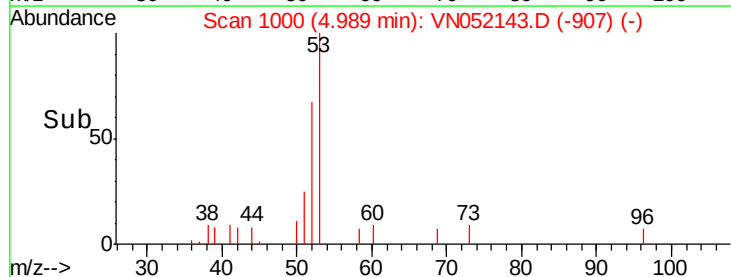
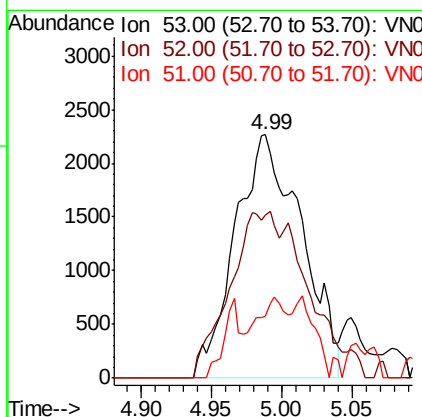
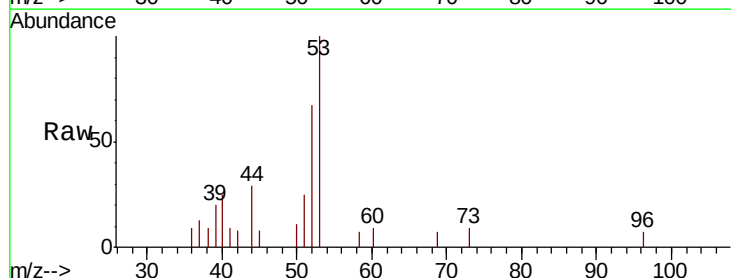
Manual Integrations
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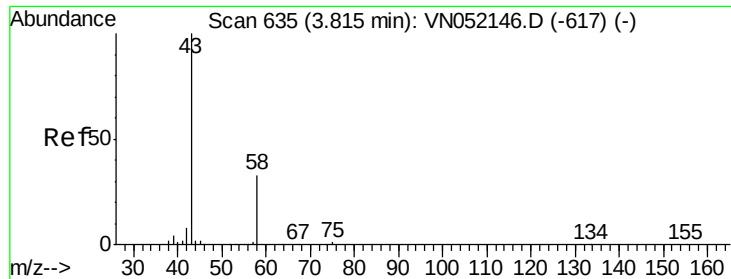
MMDadoda
11/6/2018 9:56:41 AM



#15
Acrylonitrile
Concen: 4.745 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
53	100		
52	33.9	66.5	99.7#
51	5.9	29.2	43.8#





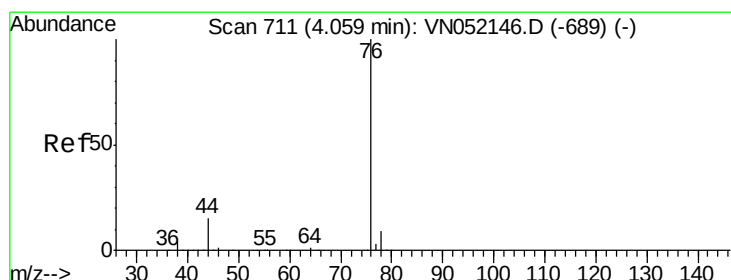
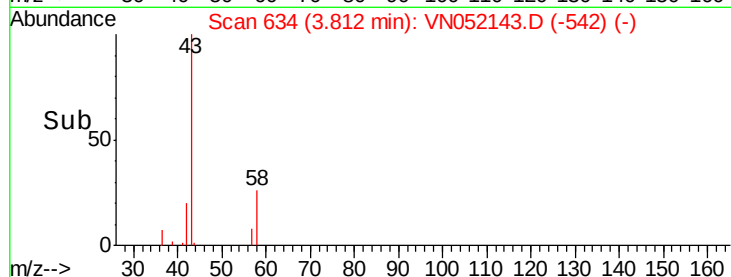
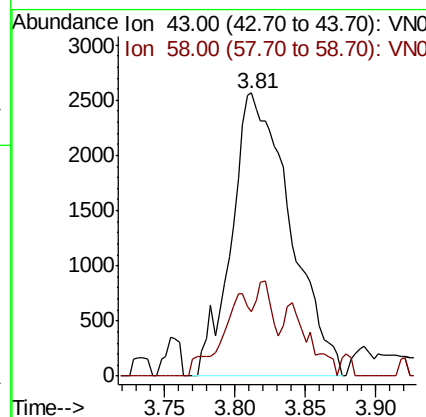
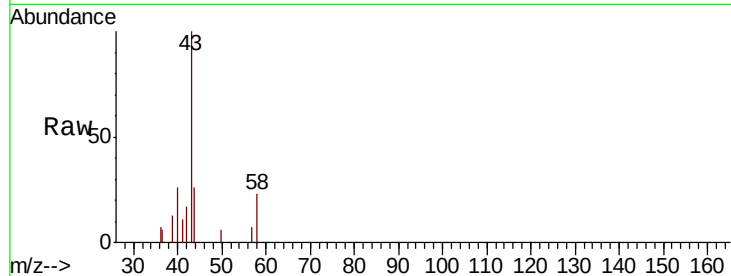
#16
Acetone
Concen: 5.984 ug/l
RT: 3.81 min Scan# 634
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 43 Resp: 7451
Ion Ratio Lower Upper
43 100
58 16.6 26.2 39.2#

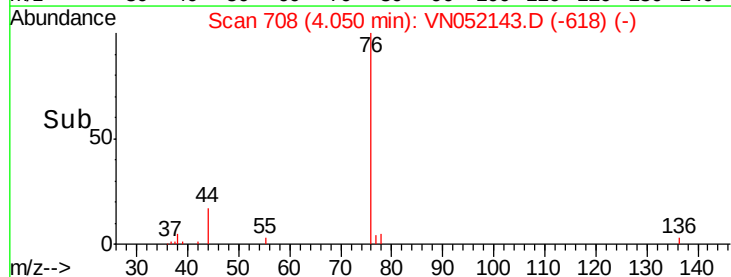
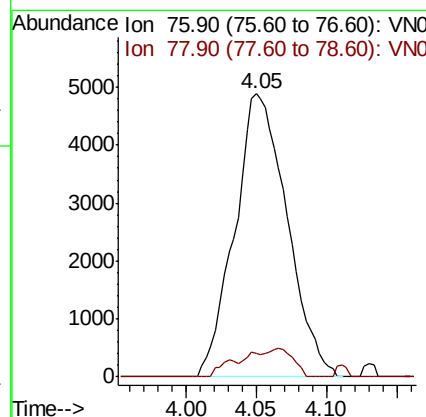
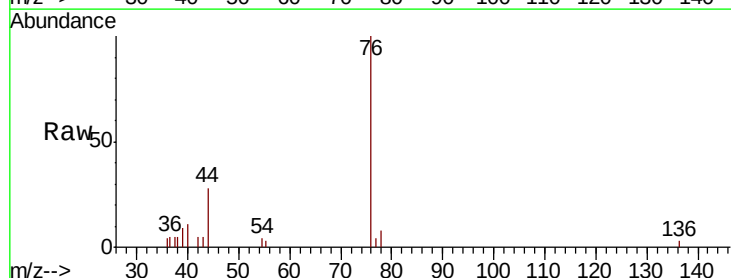
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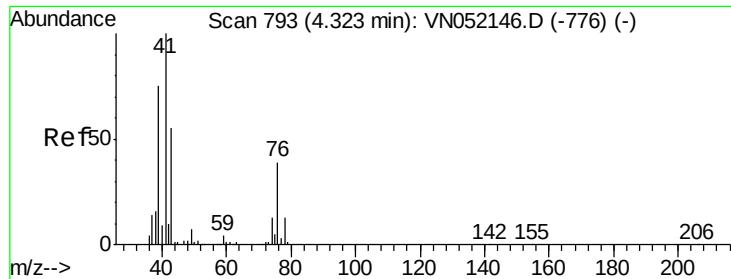
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#17
Carbon Disulfide
Concen: 1.040 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.01 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion: 76 Resp: 12670
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.6





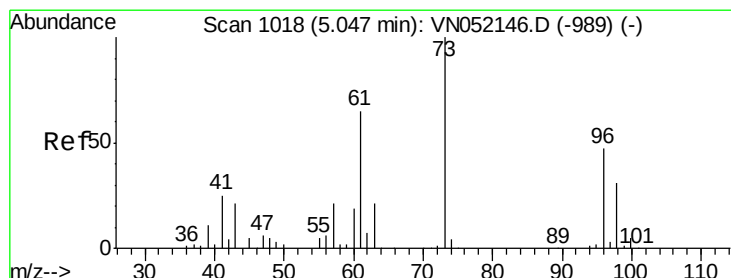
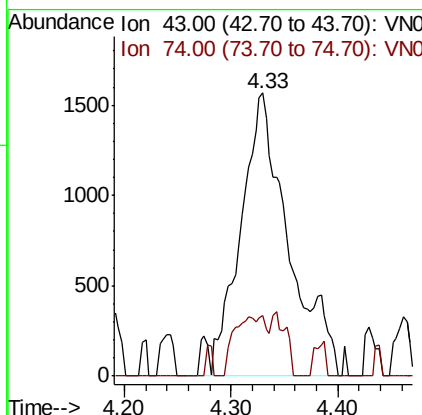
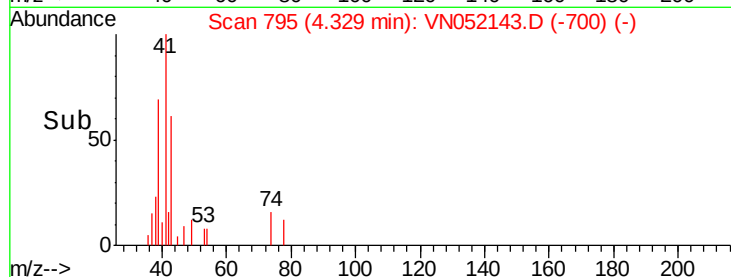
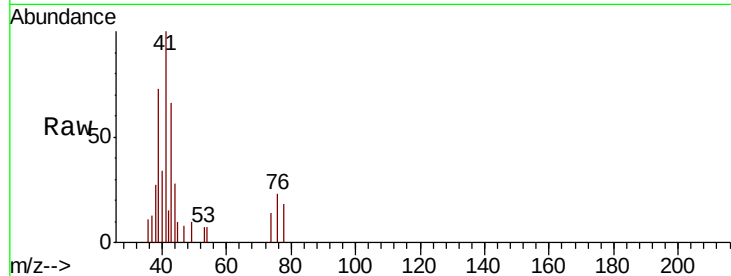
#18
Methyl Acetate
Concen: 1.294 ug/l m
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 4988
Ion Ratio Lower Upper
43 100
74 6.5 19.3 28.9#

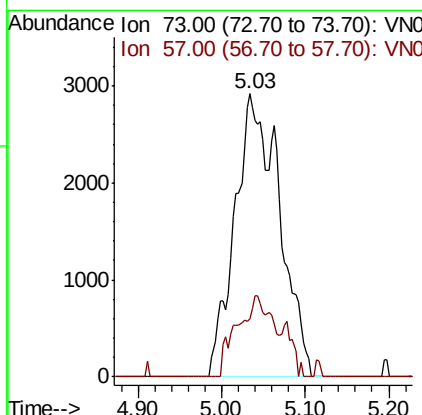
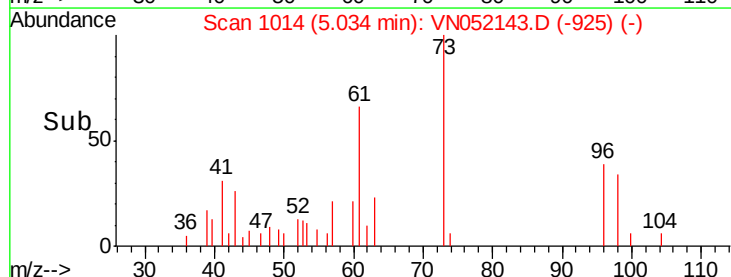
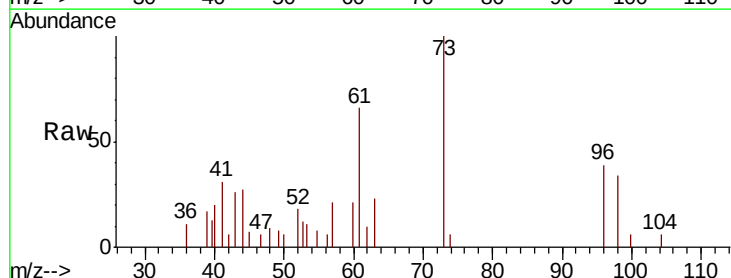
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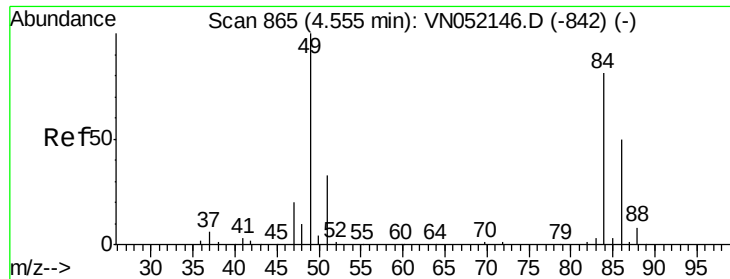
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#19
Methyl tert-butyl Ether
Concen: 0.920 ug/l m
RT: 5.03 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion: 73 Resp: 10824
Ion Ratio Lower Upper
73 100
57 20.7 16.8 25.2





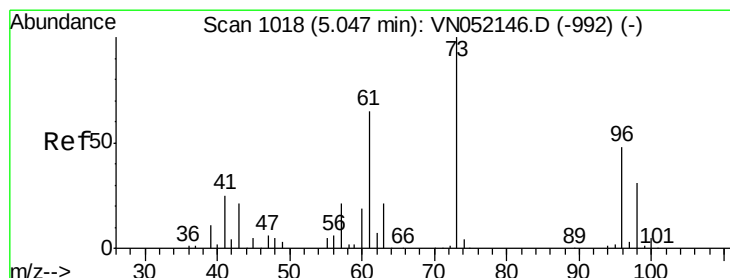
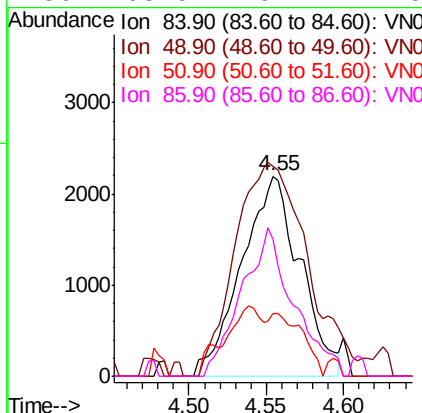
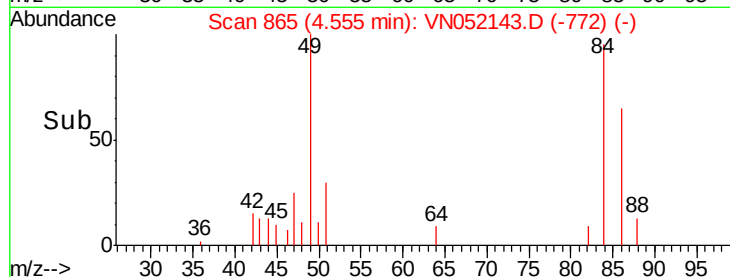
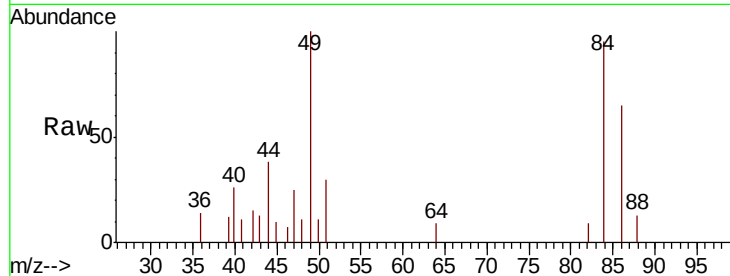
#20
Methylene Chloride
Concen: 1.119 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
84	100		
49	105.3	98.4	147.6
51	31.1	32.5	48.7#
86	68.5	49.7	74.5

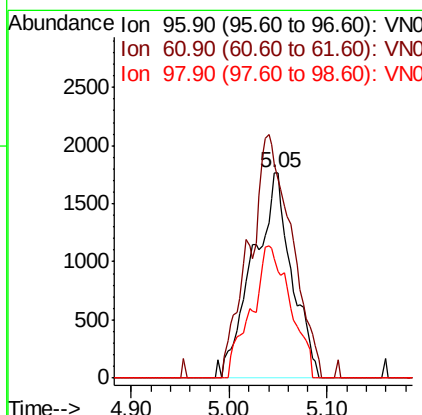
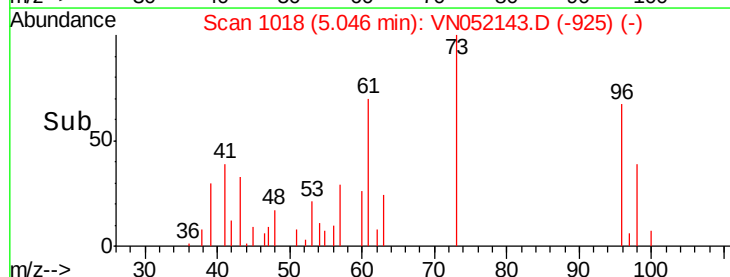
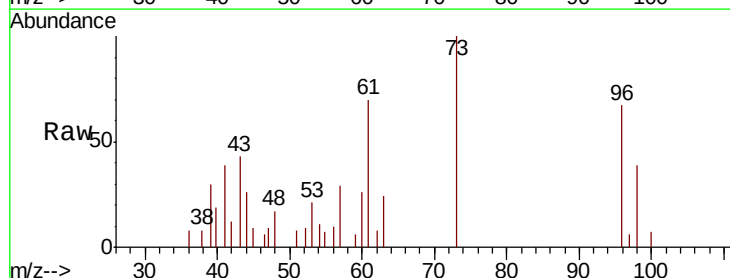
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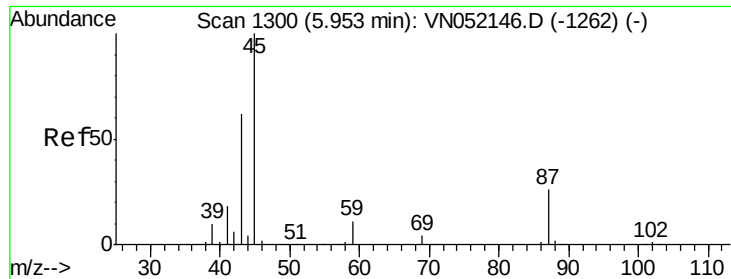
MMDadoda
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#21
trans-1,2-Dichloroethene
Concen: 1.096 ug/l m
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	104.3	109.6	164.4#
98	58.1	52.0	78.0





#22

Diisopropyl ether

Concen: 0.972 ug/l m

RT: 5.96 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 15278

Ion Ratio Lower Upper

45 100

43 68.5 49.8 74.6

87 31.1 21.1 31.7

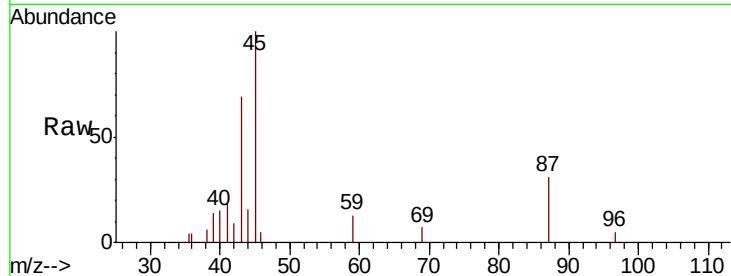
59 13.3 8.9 13.3

Manual Integrations

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MMDadoda

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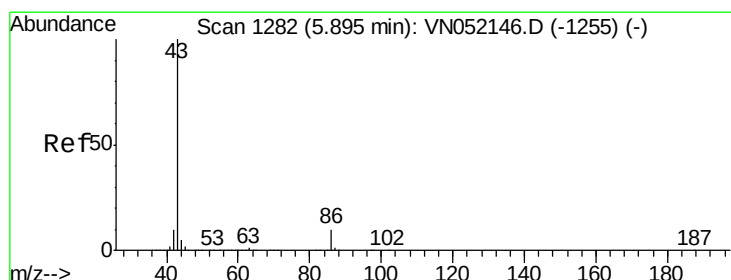
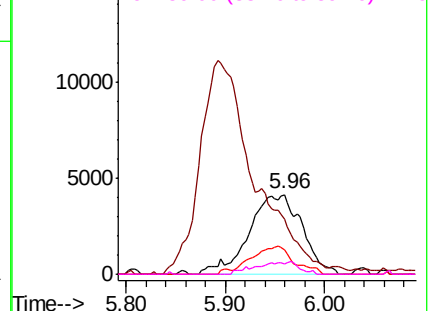
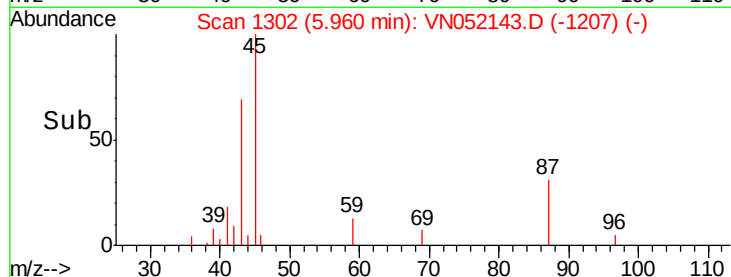


Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



#23

Vinyl Acetate

Concen: 4.138 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN052143.D

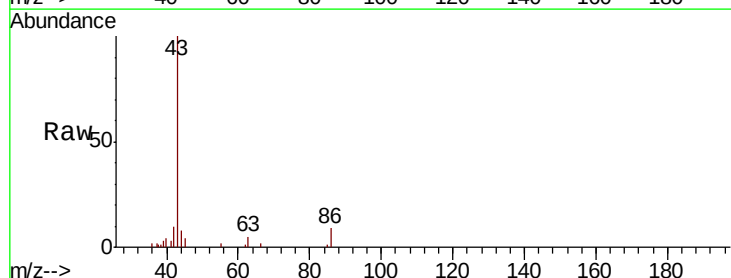
Acq: 5 Nov 2018 12:43

Tgt Ion: 43 Resp: 42756

Ion Ratio Lower Upper

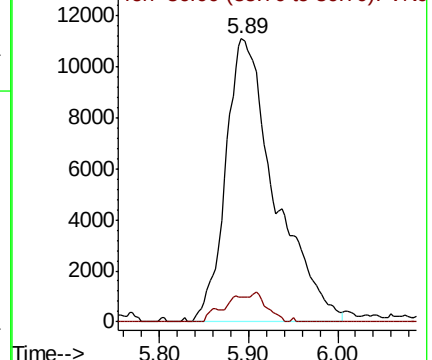
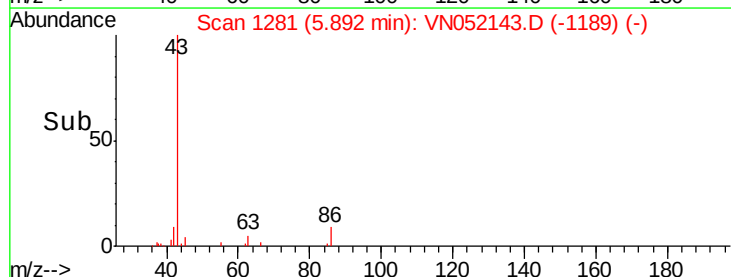
43 100

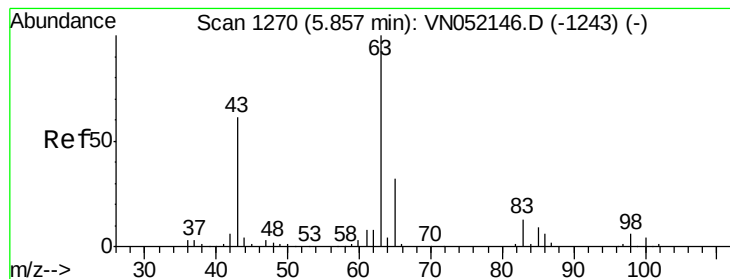
86 8.6 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#24

1,1-Dichloroethane

Concen: 0.983 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

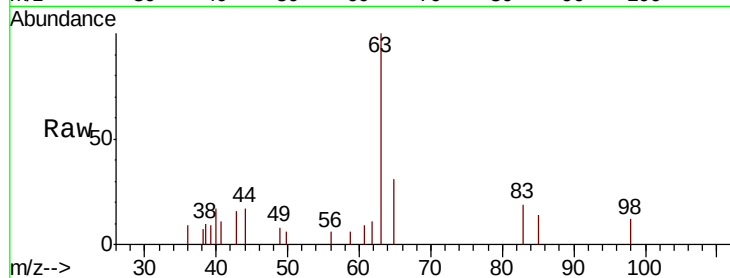
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	8734
Ion	Ratio	Lower	Upper
63	100		
98	11.8	3.1	9.4#
100	0.0	2.1	6.2#

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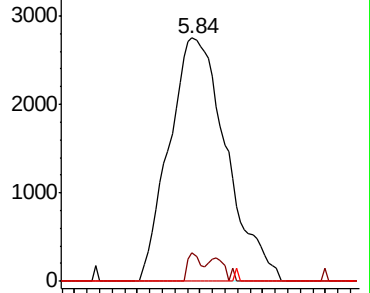
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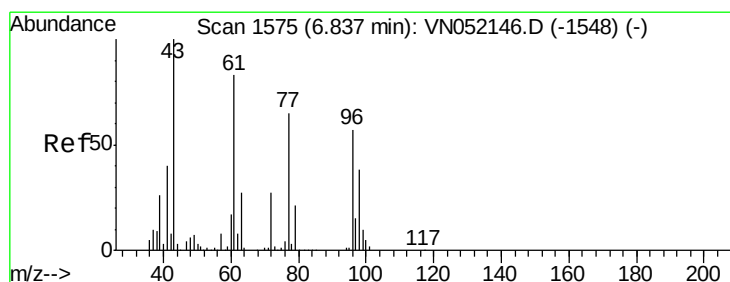
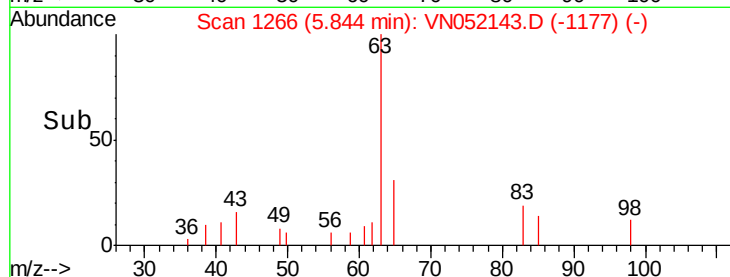
Abundance Ion 62.90 (62.60 to 63.60): VN052146.D (-1243) (-)

Ion 97.90 (97.60 to 98.60): VN052146.D (-1243) (-)

Ion 99.90 (99.60 to 100.60): VN052146.D (-1243) (-)



Time-->



#25

2-Butanone

Concen: 5.278 ug/l

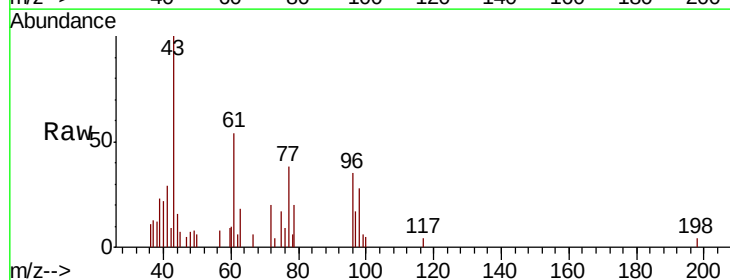
RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN052143.D

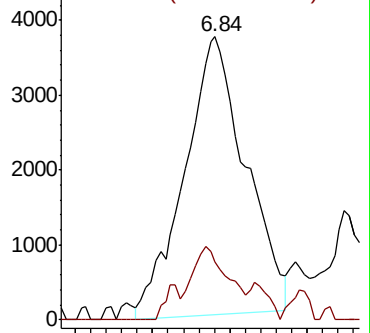
Acq: 5 Nov 2018 12:43

Tgt Ion:	43	Resp:	10191
Ion	Ratio	Lower	Upper
43	100		
72	21.3	21.4	32.2#

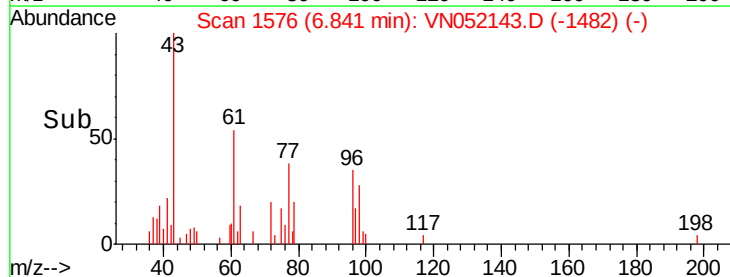


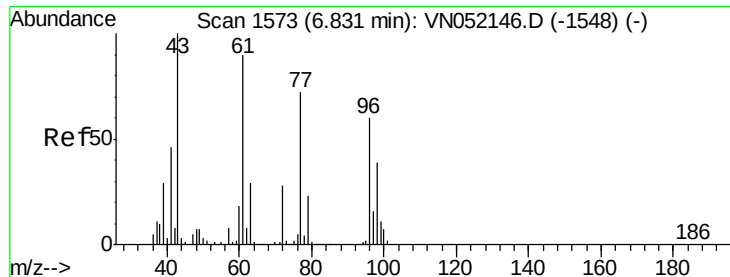
Abundance Ion 43.00 (42.70 to 43.70): VN052146.D (-1548) (-)

Ion 72.00 (71.70 to 72.70): VN052146.D (-1548) (-)



Time-->





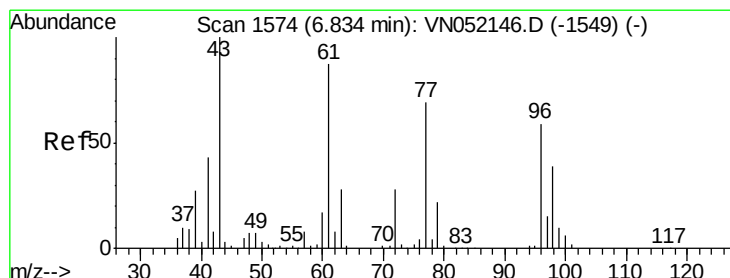
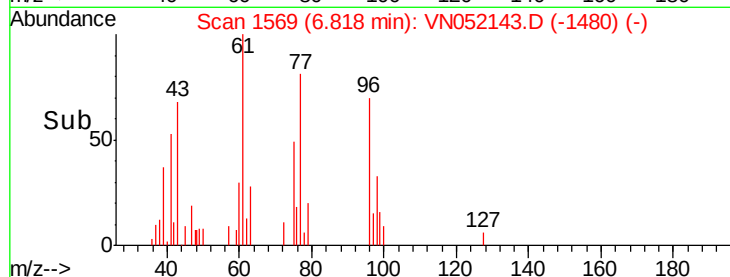
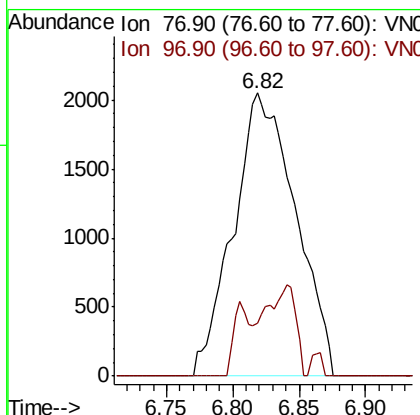
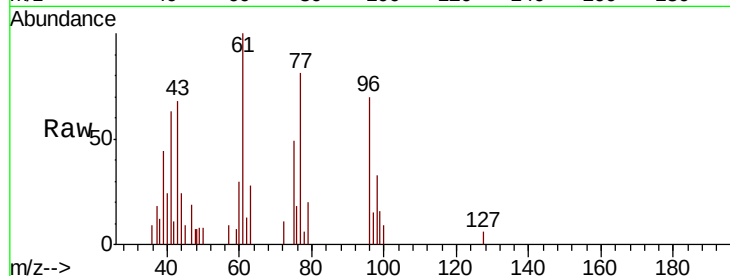
#26
 2,2-Dichloropropane
 Concen: 0.965 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion: 77 Resp: 6705
 Ion Ratio Lower Upper
 77 100
 97 7.0 11.4 34.1#

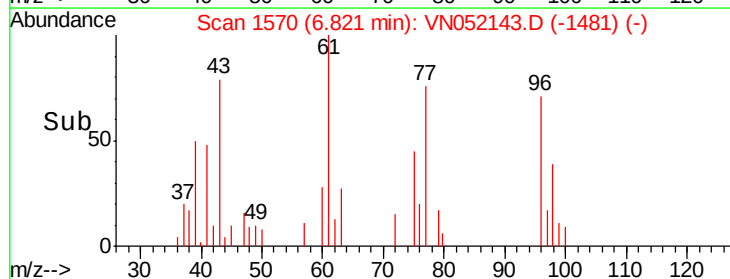
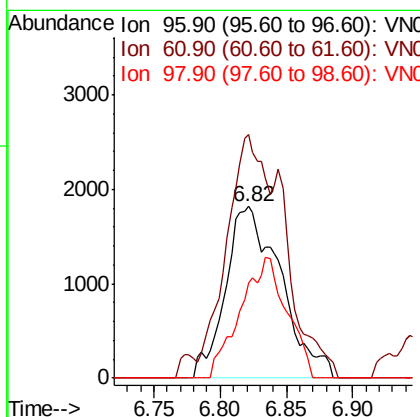
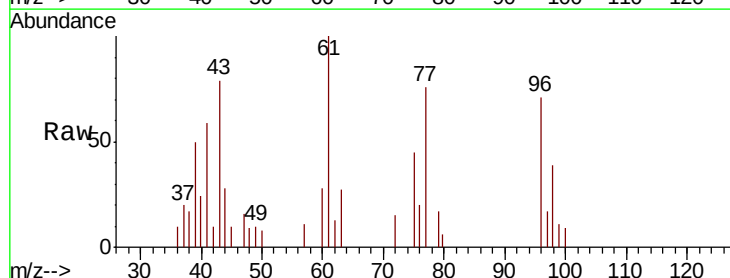
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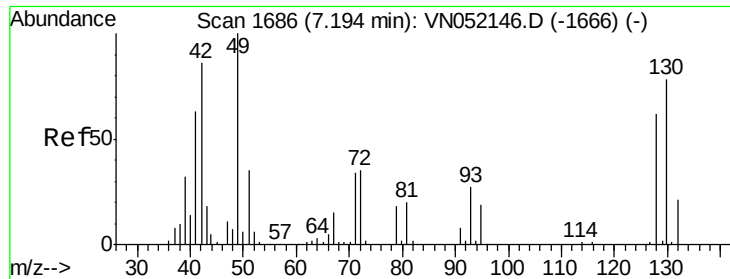
MMDadoda
 11/6/2018 9:56:41 AM



#27
 cis-1,2-Dichloroethene
 Concen: 0.979 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion: 96 Resp: 5275
 Ion Ratio Lower Upper
 96 100
 61 91.6 0.0 291.8
 98 59.3 0.0 130.0





#28

Bromochloromethane

Concen: 1.040 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

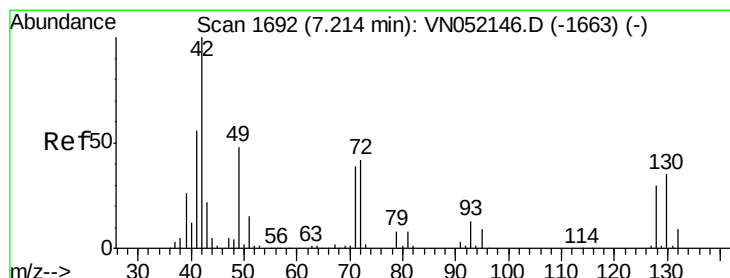
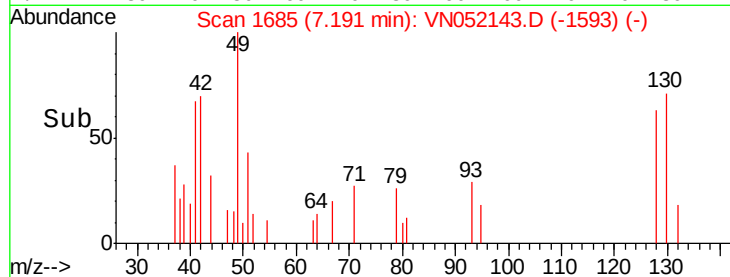
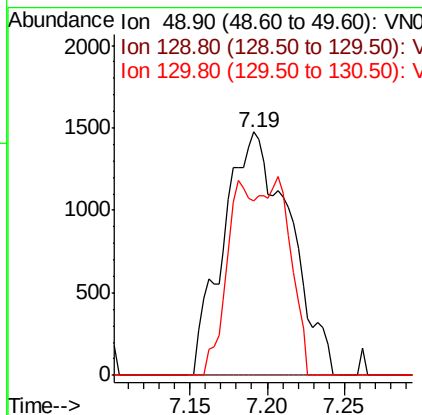
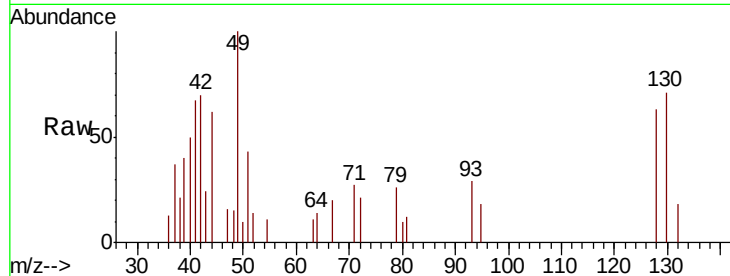
ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 4376
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.4
 130 32.1 59.8 89.6#

Manual Integrations
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 11/6/2018 9:56:41 AM



#29

Tetrahydrofuran

Concen: 4.810 ug/l

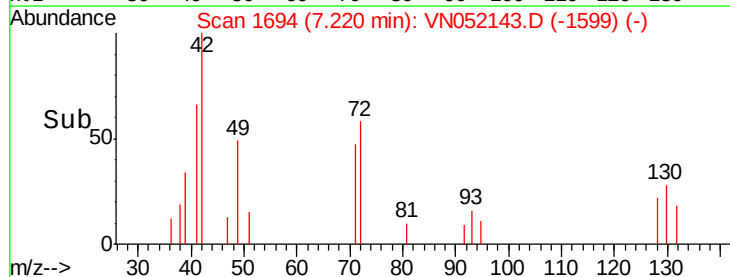
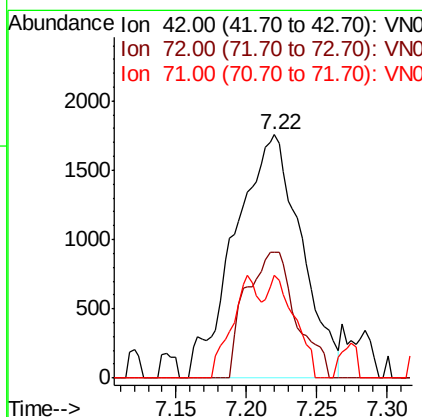
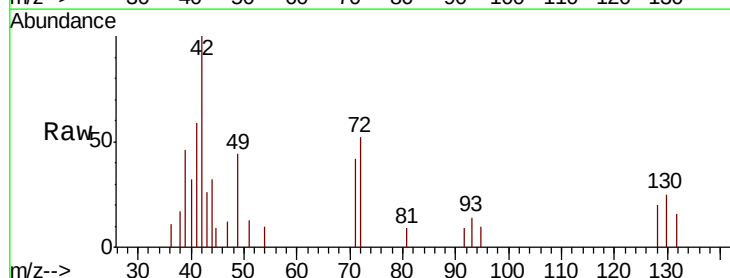
RT: 7.22 min Scan# 1694

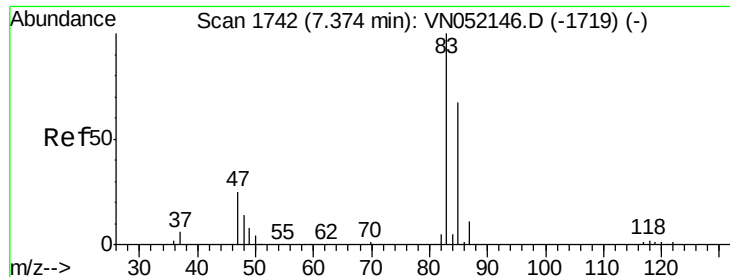
Delta R.T. 0.01 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Tgt Ion: 42 Resp: 5746
 Ion Ratio Lower Upper
 42 100
 72 39.3 32.3 48.5
 71 16.3 31.0 46.6#





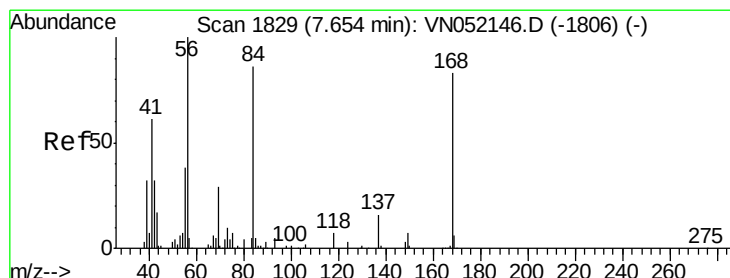
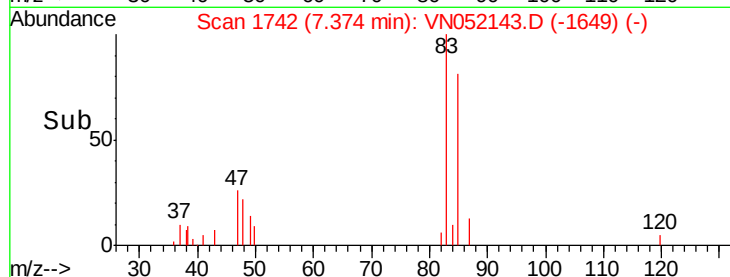
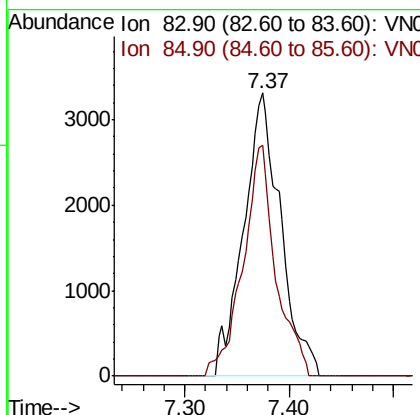
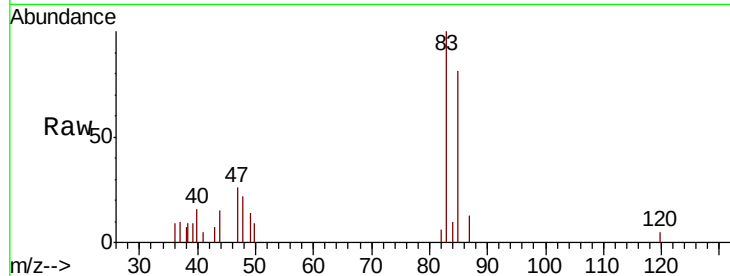
#30
Chloroform
Concen: 0.922 ug/l m
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	83	85	Ratio	Lower	Upper
8156	100	81.4	53.7	80.5#	

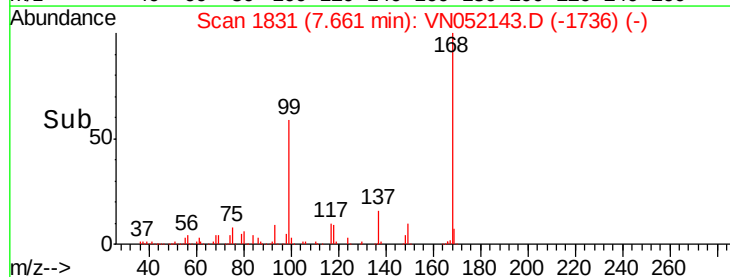
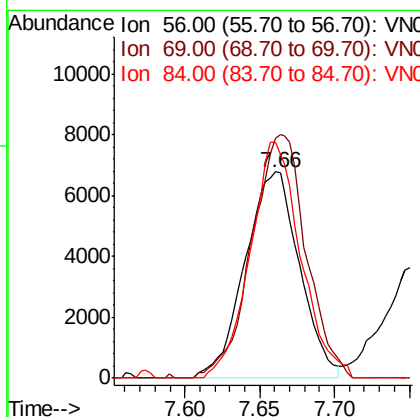
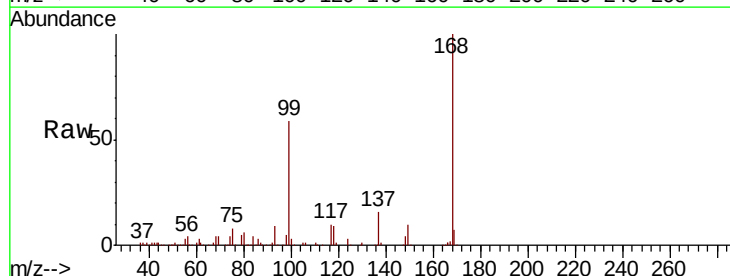
Manual Integrations
APPROVED

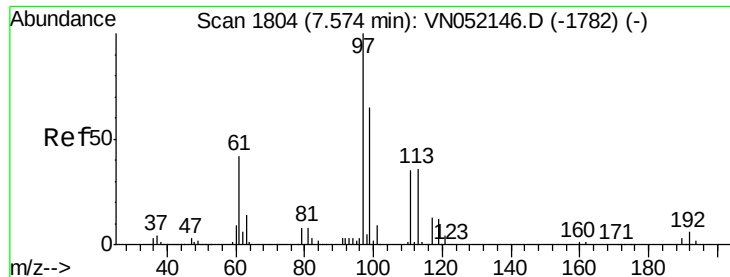
MMDadoda
11/6/2018 9:56:41 AM



#31
Cyclohexane
Concen: 1.715 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion	56	69	84	Ratio	Lower	Upper
17213	100	116.5	114.1	23.5	35.3#	103.1#





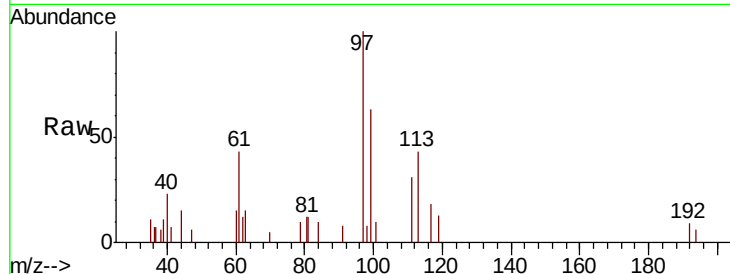
#32
 1,1,1-Trichloroethane
 Concen: 0.965 ug/l m
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
99	0.0	51.6	77.4#	
61	16.7	35.1	52.7#	

Manual Integrations
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MMDadoda
 11/6/2018 9:56:41 AM

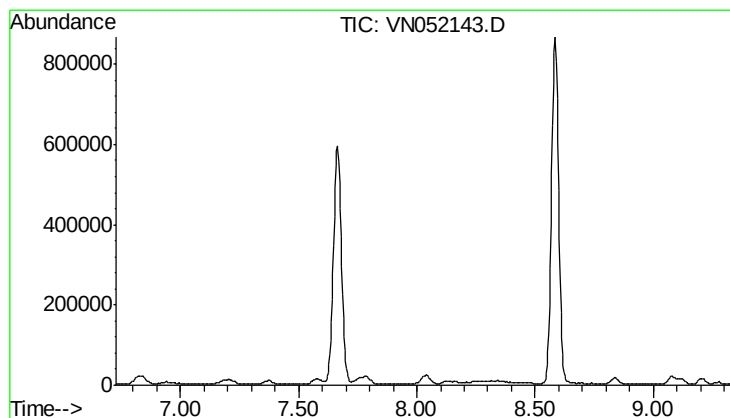
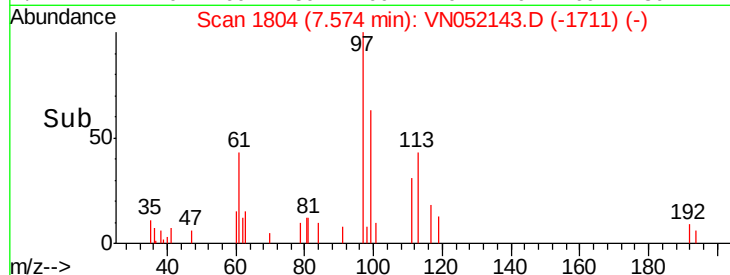
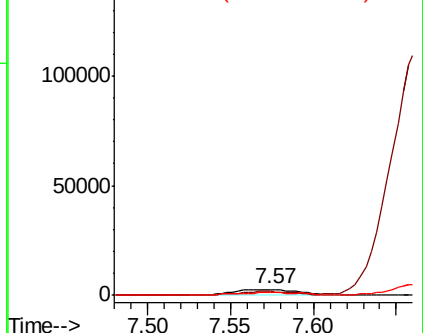


Abundance

Ion 96.90 (96.60 to 97.60): VN052143.D

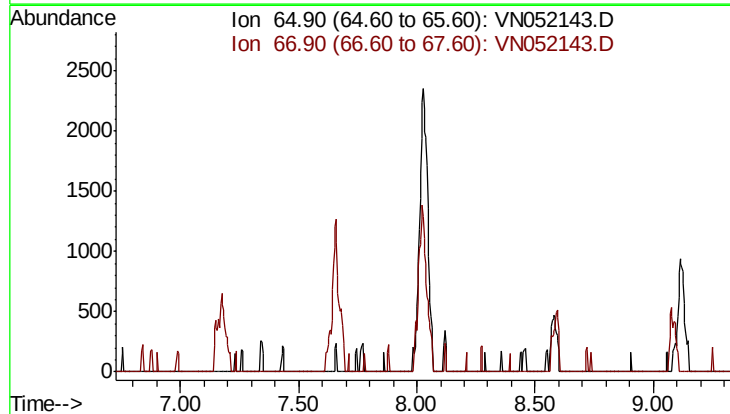
Ion 98.90 (98.60 to 99.60): VN052143.D

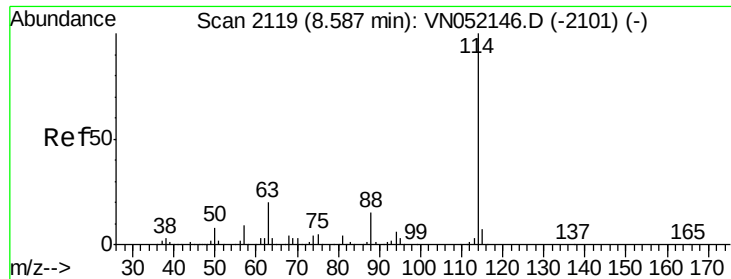
Ion 60.90 (60.60 to 61.60): VN052143.D



#33
 1,2-Dichloroethane-d4
 Concen: 0.965 ug/l
 Expected RT: 8.03 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion	Sig	Exp Ratio
65	100	
67	53.8	





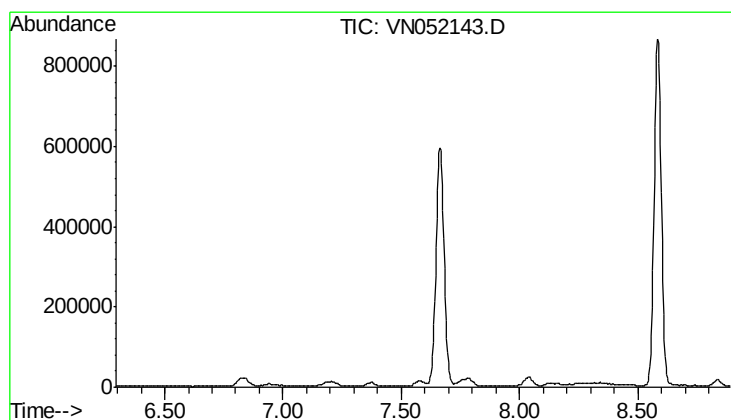
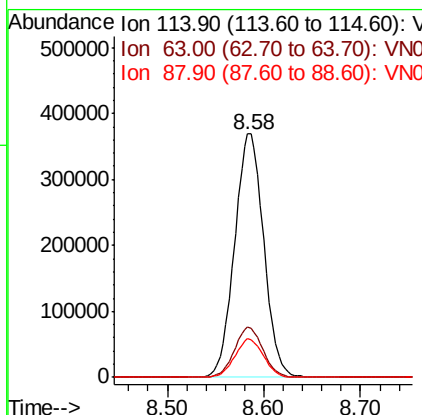
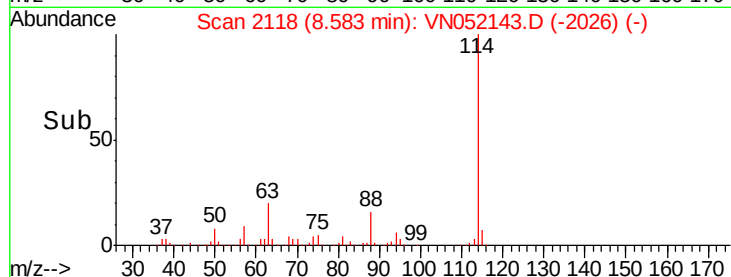
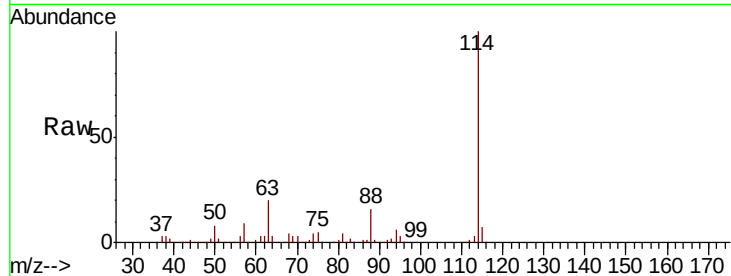
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	20.4	0.0	40.0
88	15.9	0.0	31.0

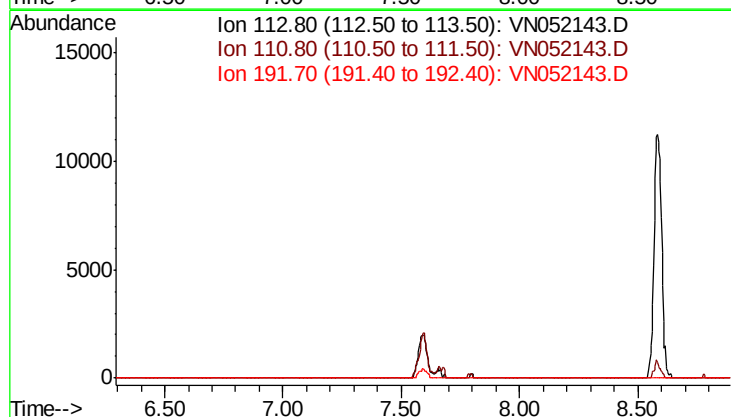
Manual Integrations
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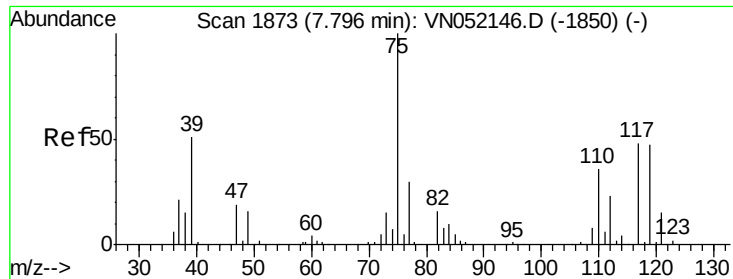
MMDadoda
 11/6/2018 9:56:41 AM



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 Expected RT: 7.59 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion	Exp Ratio
113	100
111	102.1
192	17.8





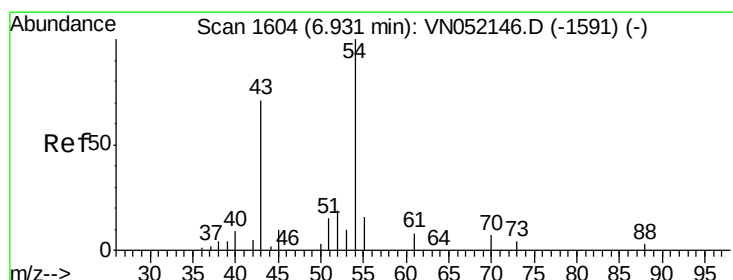
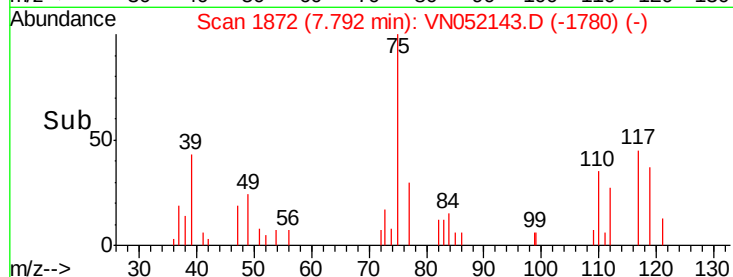
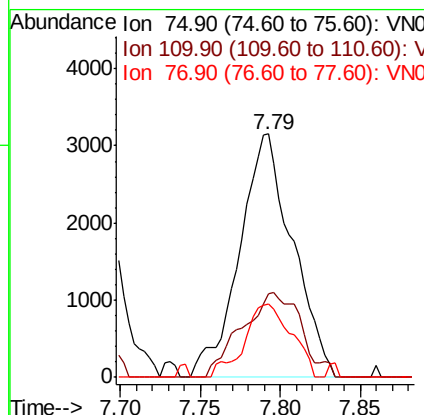
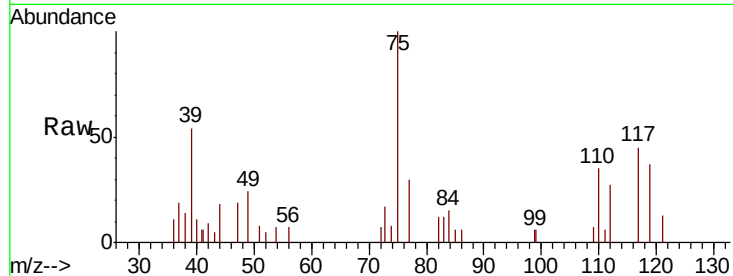
#36
 1,1-Dichloropropene
 Concen: 1.056 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.9	17.8	53.5
77	26.6	24.0	36.0

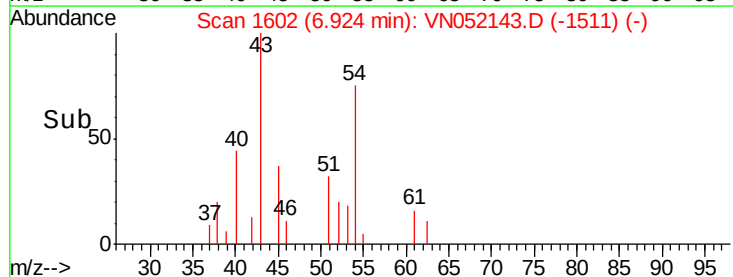
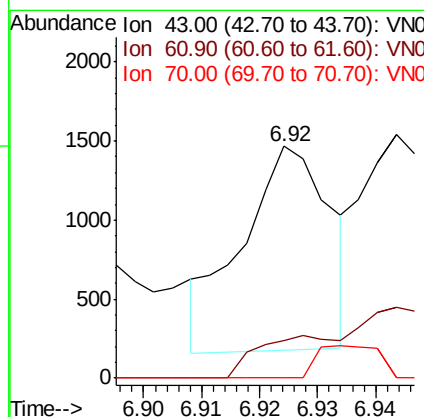
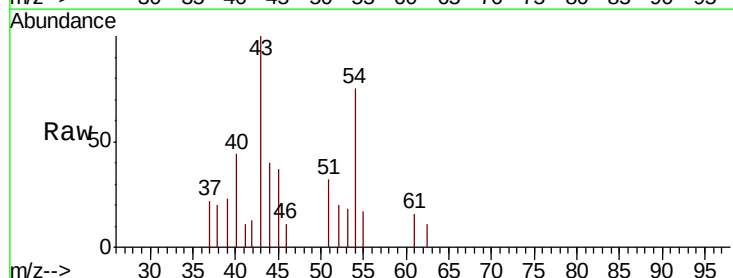
Manual Integrations
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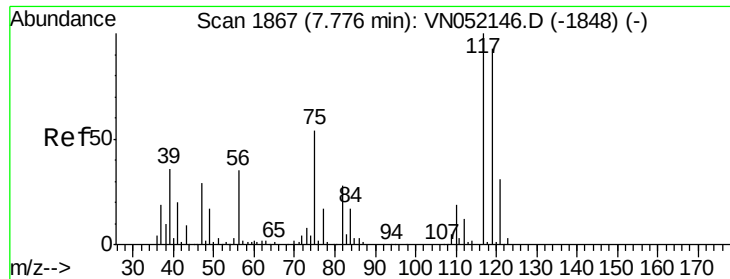
MMDadoda
 11/6/2018 9:56:41 AM



#37
 Ethyl Acetate
 Concen: 0.317 ug/l
 RT: 6.92 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.4	14.2#
70	11.3	7.6	11.4





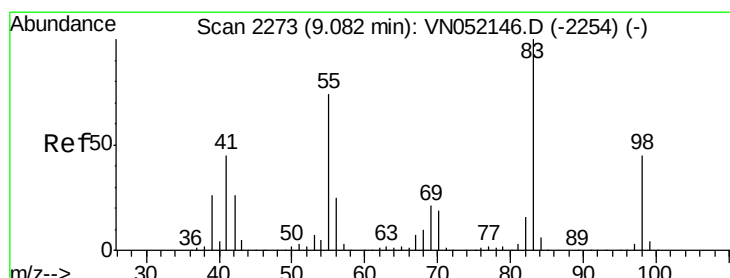
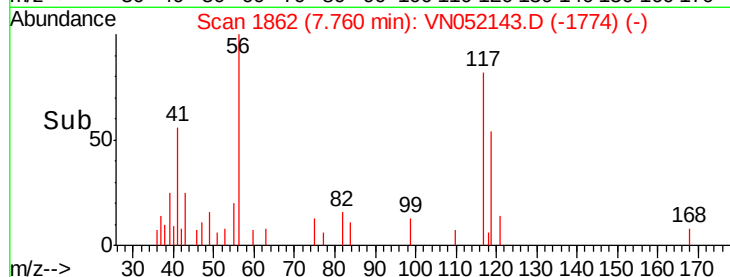
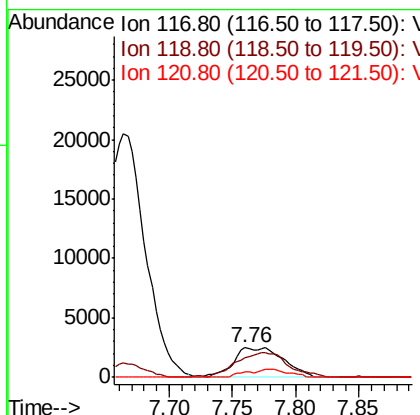
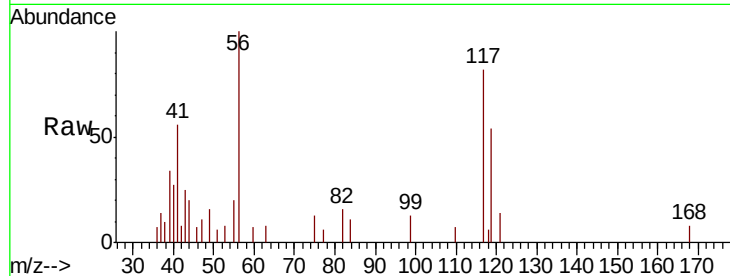
#38
Carbon Tetrachloride
Concen: 1.006 ug/l m
RT: 7.76 min Scan# 1862
Delta R.T. -0.02 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	65.5	74.7	112.1#
121	16.9	24.5	36.7#

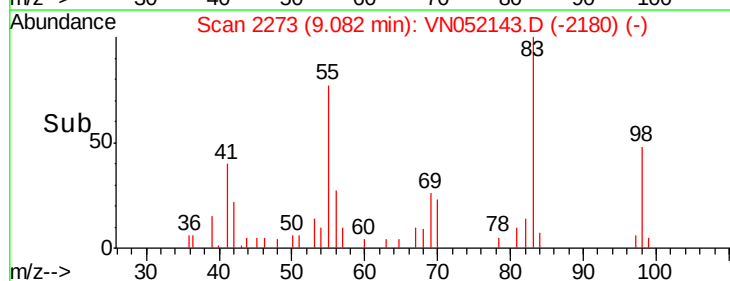
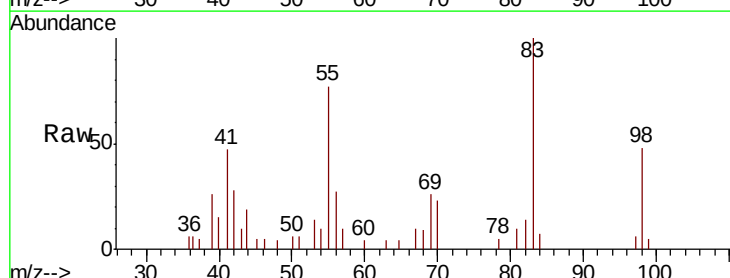
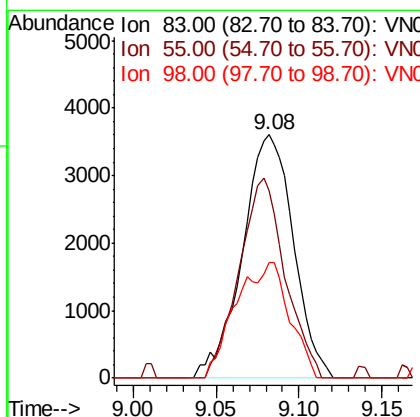
Manual Integrations
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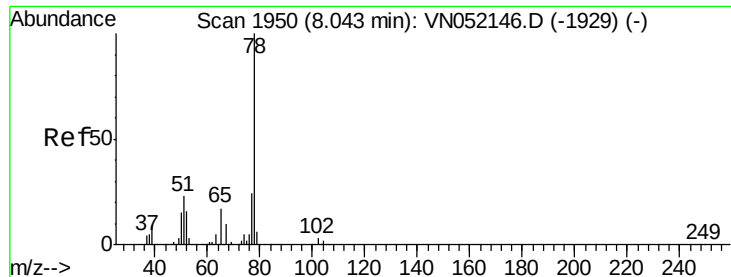
MMDadoda
11/6/2018 9:56:41 AM



#39
Methylcyclohexane
Concen: 0.954 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.8	59.4	89.2
98	47.7	36.3	54.5





#40

Benzene

Concen: 0.963 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 78 Resp: 19320

Ion Ratio Lower Upper

78 100

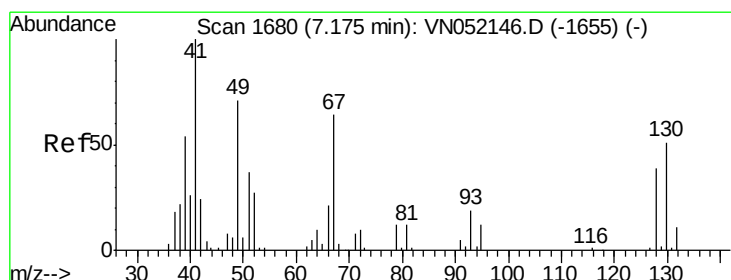
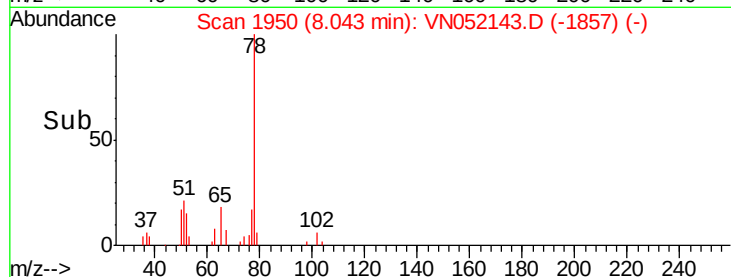
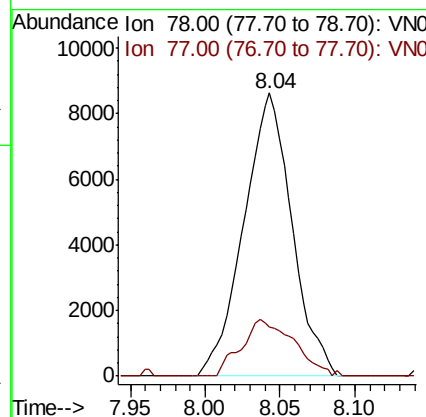
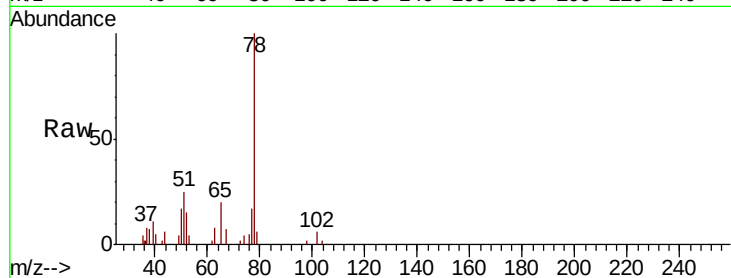
77 17.3 19.1 28.7#

Manual Integrations

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MMDadoda

11/6/2018 9:56:41 AM



#41

Methacrylonitrile

Concen: 0.539 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Tgt Ion: 41 Resp: 1190

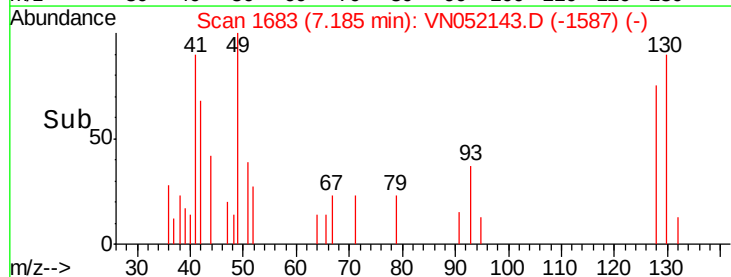
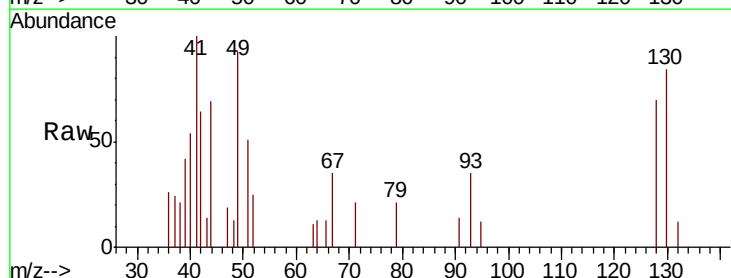
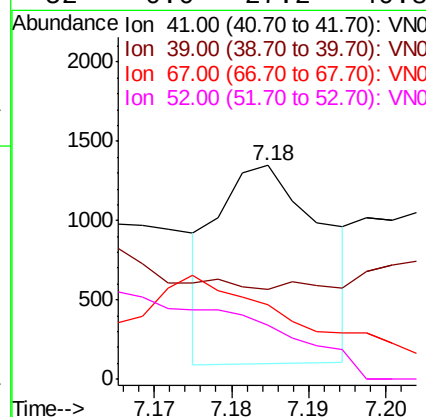
Ion Ratio Lower Upper

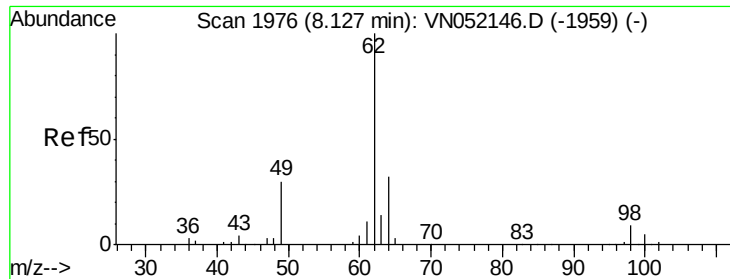
41 100

39 0.0 49.6 74.4#

67 82.9 65.4 98.2

52 0.0 27.2 40.8#





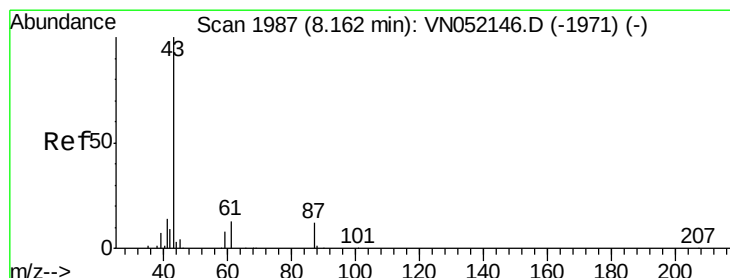
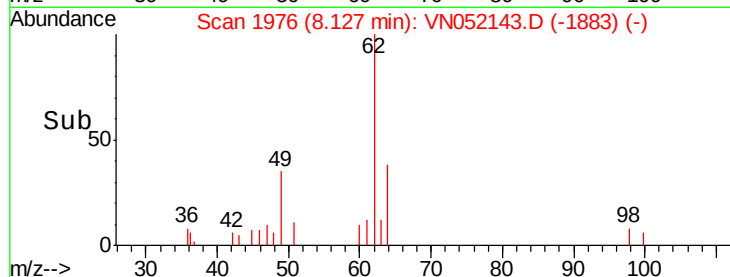
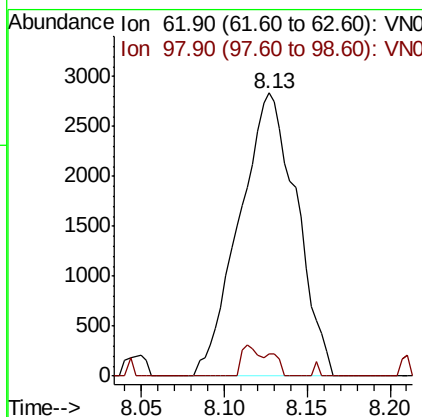
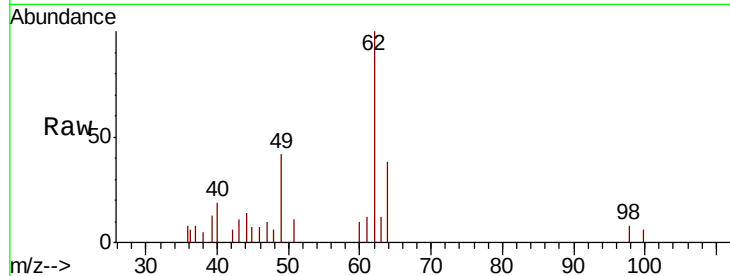
#42
 1,2-Dichloroethane
 Concen: 1.052 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	6782		
98	3.6		0.0	18.2

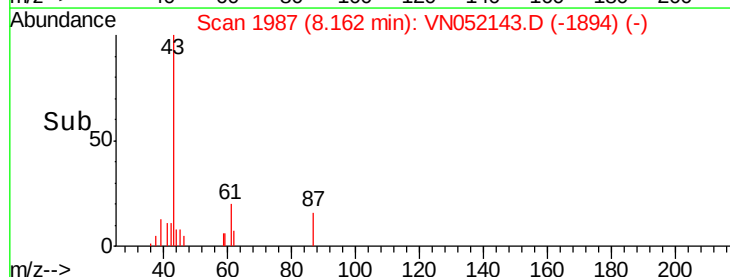
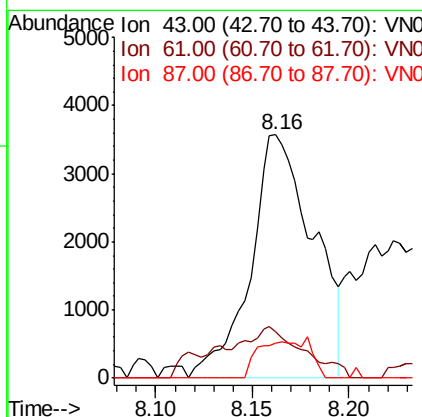
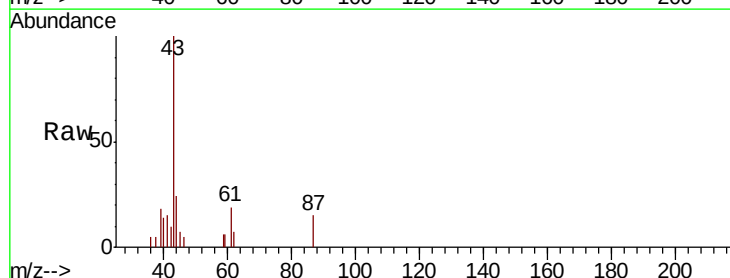
Manual Integrations
 APPROVED

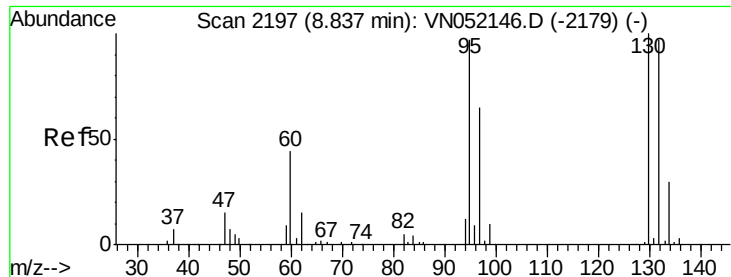
MMDadoda
 11/6/2018 9:56:41 AM



#43
 Isopropyl Acetate
 Concen: 1.036 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	8064		
61	19.4		21.5	32.3#
87	12.9		10.2	15.2





#44

Trichloroethene

Concen: 1.014 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 5387

Ion Ratio Lower Upper

130 100

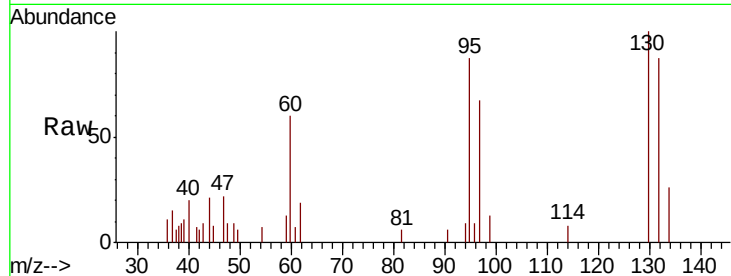
95 87.1 0.0 193.8

Manual Integrations

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11/6/2018 9:56:41 AM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.83

2500

2000

1500

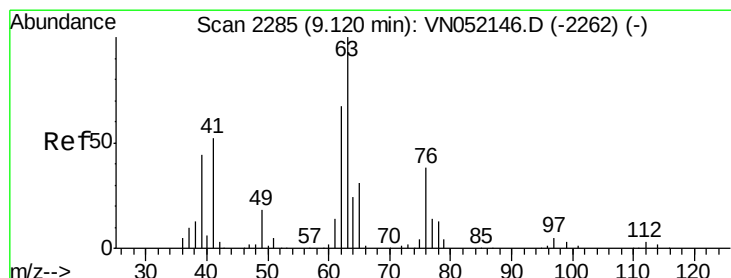
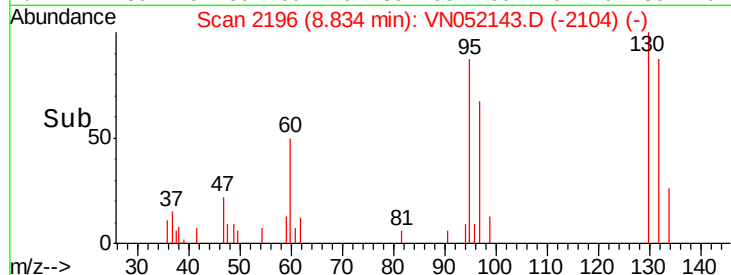
1000

500

0

8.80 8.85 8.90

Time-->



#45

1,2-Dichloropropane

Concen: 0.983 ug/l

RT: 9.12 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VN052143.D

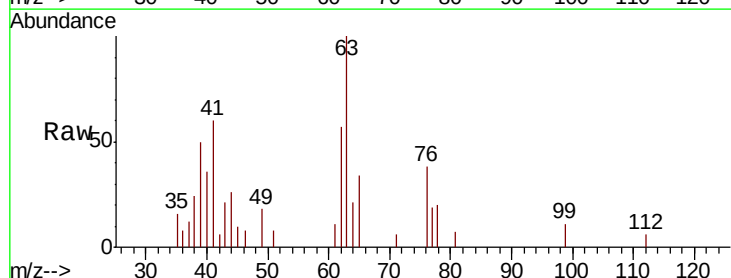
Acq: 5 Nov 2018 12:43

Tgt Ion: 63 Resp: 5224

Ion Ratio Lower Upper

63 100

65 33.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

9.12

2500

2000

1500

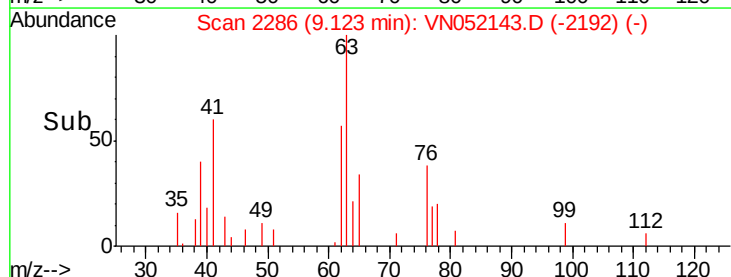
1000

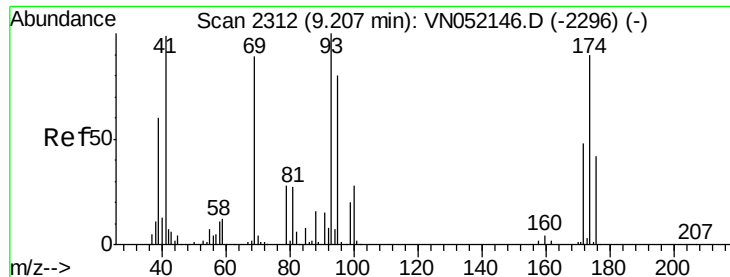
500

0

9.05 9.10 9.15

Time-->





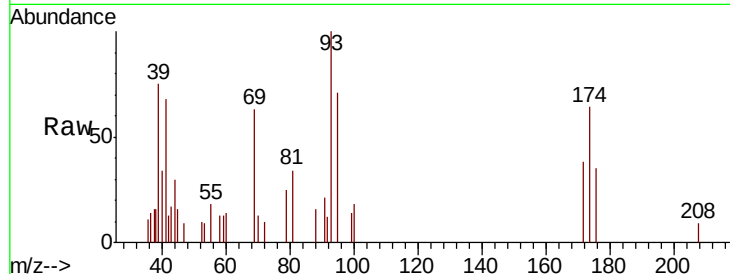
#46
Dibromomethane
Concen: 1.113 ug/l
RT: 9.21 min Scan# 2313
Delta R.T. 0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	61.2	64.5	96.7#
174	73.9	74.6	112.0#

Manual Integrations
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MMDadoda
11/6/2018 9:56:41 AM

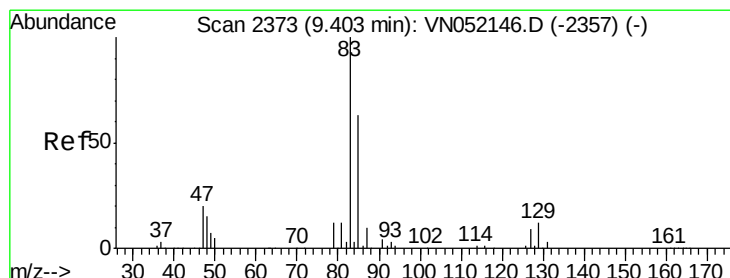
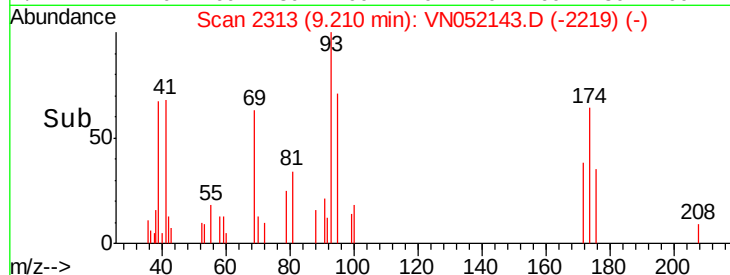
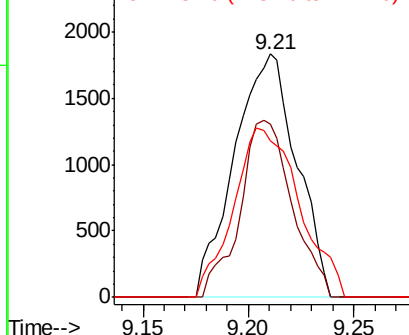


Abundance

Ion 92.80 (92.50 to 93.50): VN052143.D (-2299) (-)

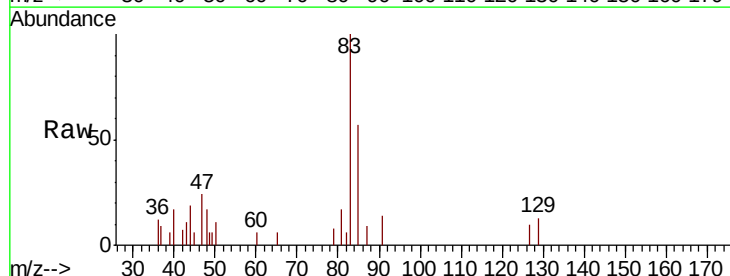
Ion 94.80 (94.50 to 95.50): VN052143.D (-2299) (-)

Ion 173.70 (173.40 to 174.40): VN052143.D (-2299) (-)



#47
Bromodichloromethane
Concen: 0.907 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.7	50.5	75.7
127	10.2	7.2	10.8

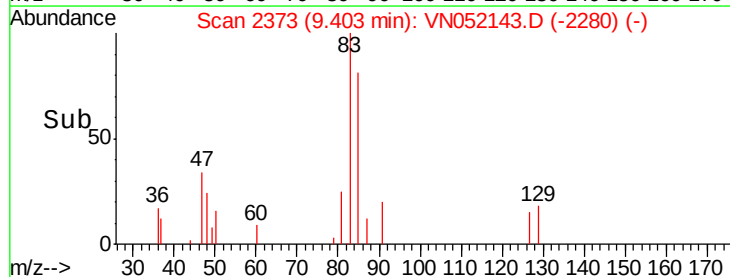
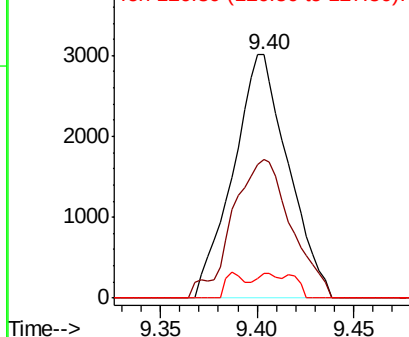


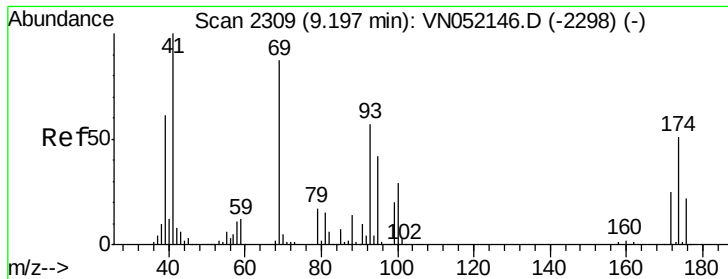
Abundance

Ion 82.90 (82.60 to 83.60): VN052143.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052143.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052143.D (-2280) (-)





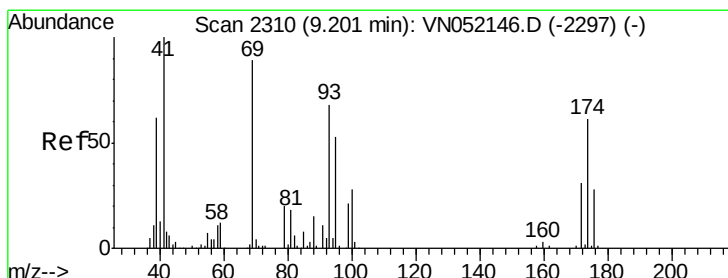
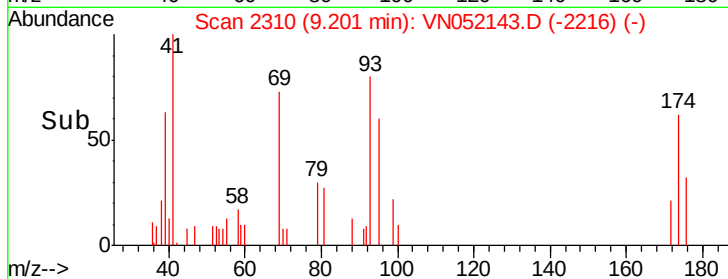
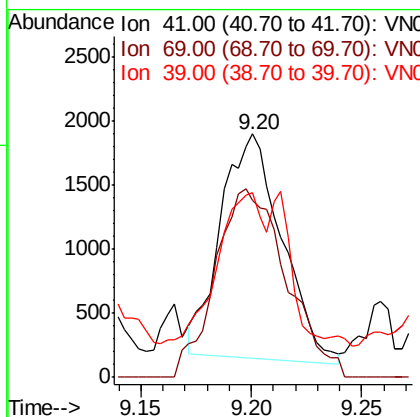
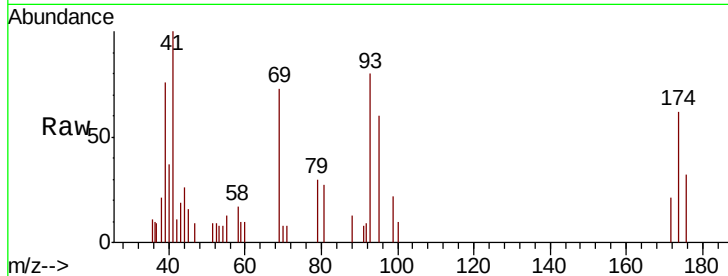
#48
Methyl methacrylate
Concen: 0.900 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 41 Resp: 3373
Ion Ratio Lower Upper
41 100
69 97.6 69.7 104.5
39 48.9 50.6 76.0#

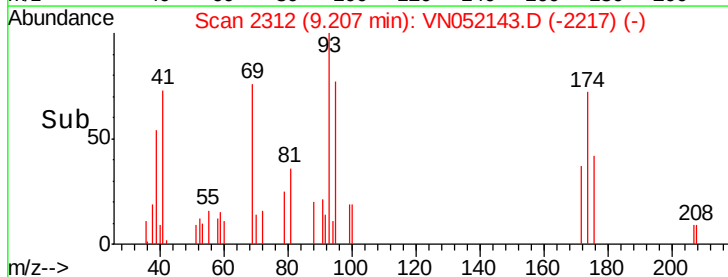
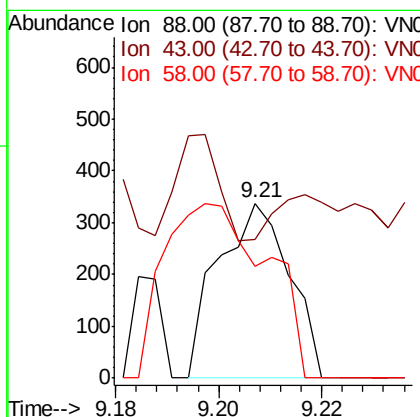
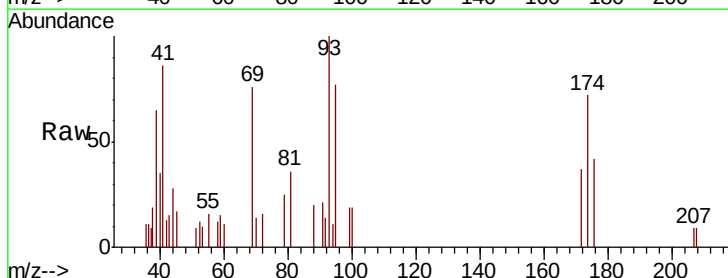
Manual Integrations
APPROVED

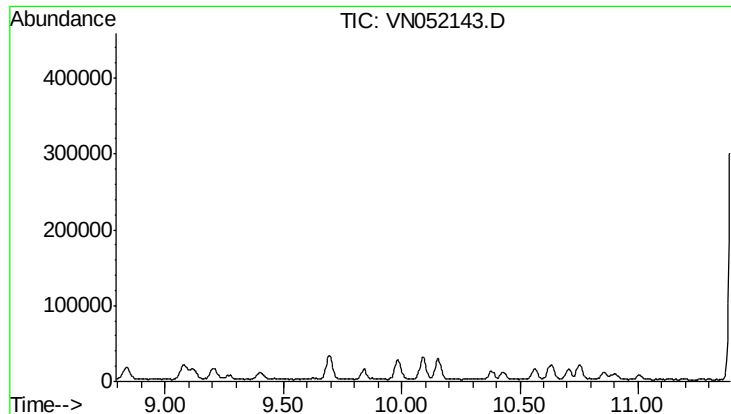
MMDadoda
11/6/2018 9:56:41 AM



#49
1,4-Dioxane
Concen: 10.714 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion: 88 Resp: 324
Ion Ratio Lower Upper
88 100
43 44.8 33.0 49.6
58 142.9 58.6 88.0#





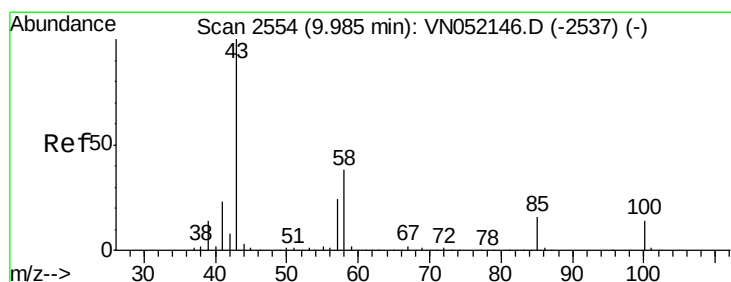
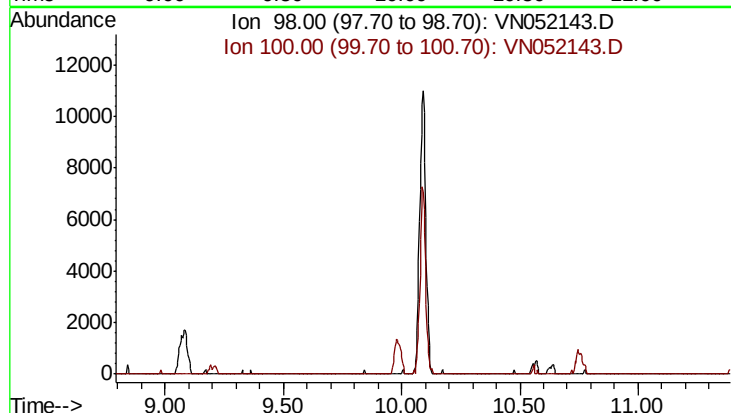
#50
Toluene-d8
Concen: 10.714 ug/l
Expected RT: 10.09 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 63.1

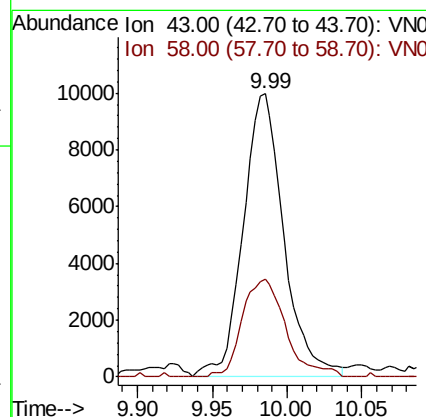
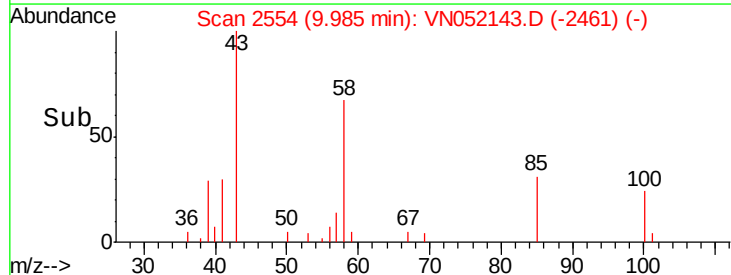
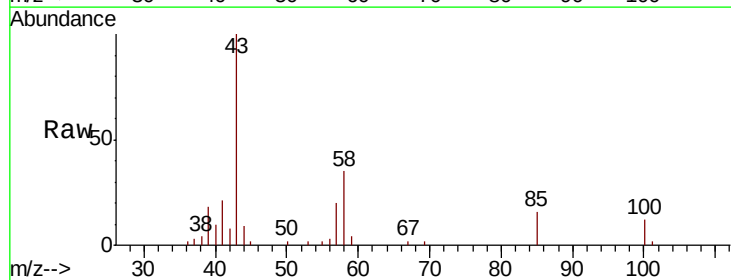
Manual Integrations
APPROVED

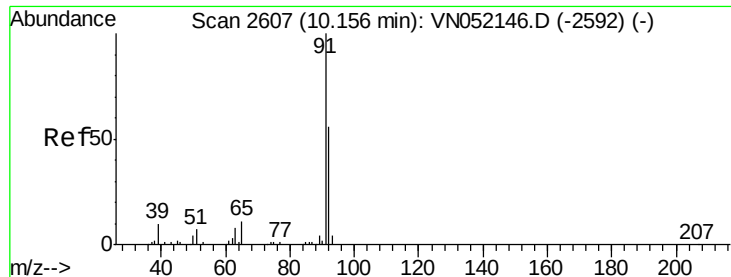
MMDadoda
11/6/2018 9:56:41 AM



#51
4-Methyl-2-Pentanone
Concen: 4.599 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion: 43 Resp: 18916
Ion Ratio Lower Upper
43 100
58 37.0 29.6 44.4





#52

Toluene

Concen: 0.891 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 10780

Ion Ratio Lower Upper

92 100

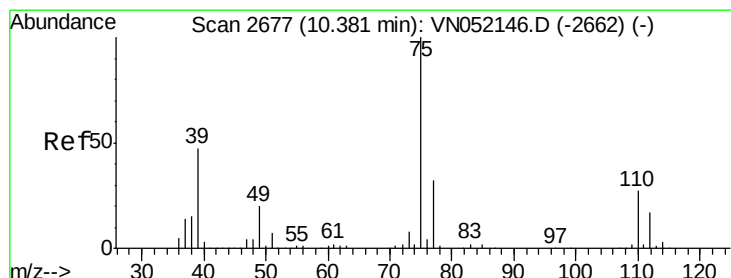
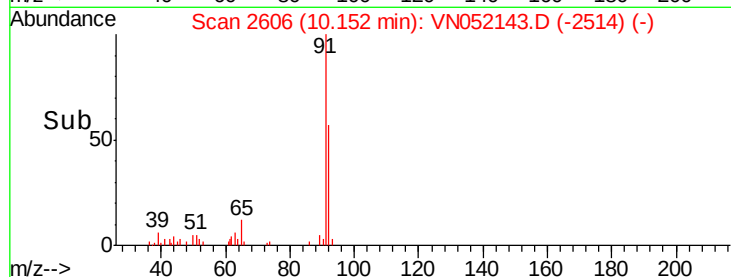
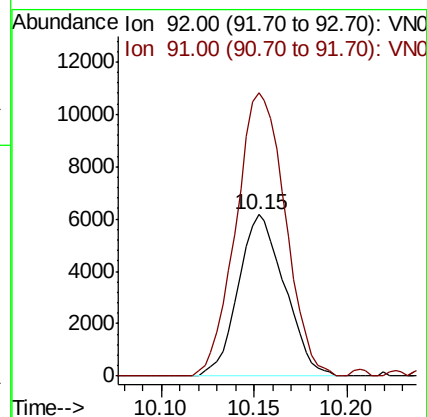
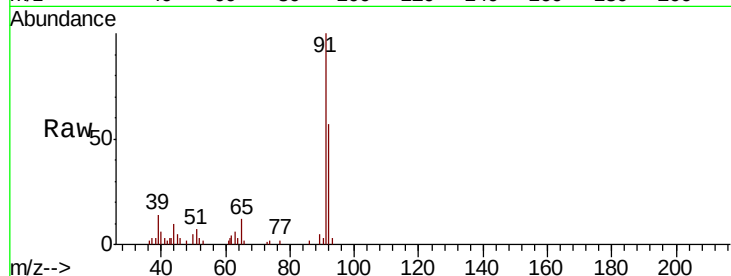
91 185.8 142.5 213.7

Manual Integrations

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#53

t-1,3-Dichloropropene

Concen: 0.851 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052143.D

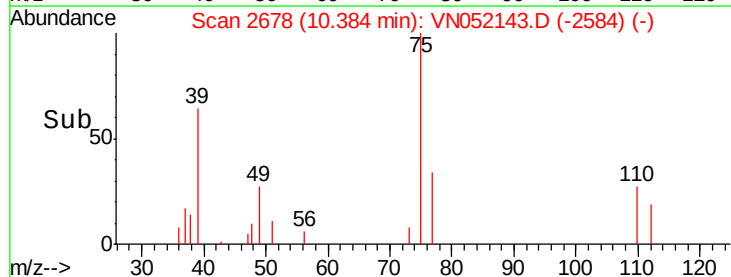
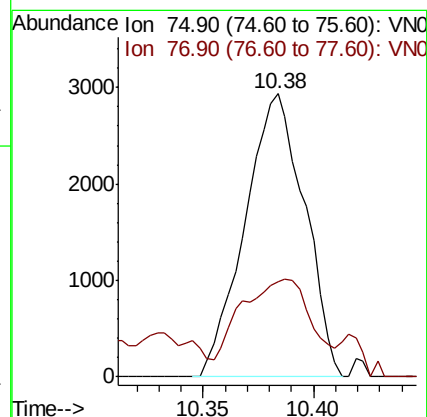
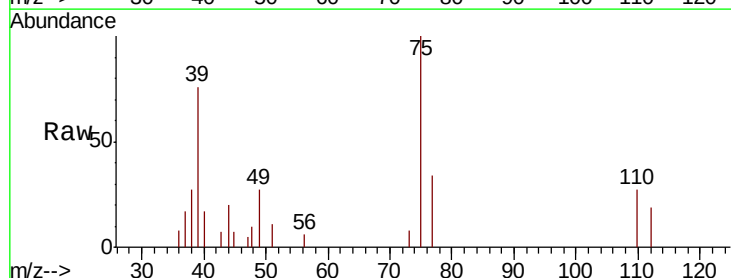
Acq: 5 Nov 2018 12:43

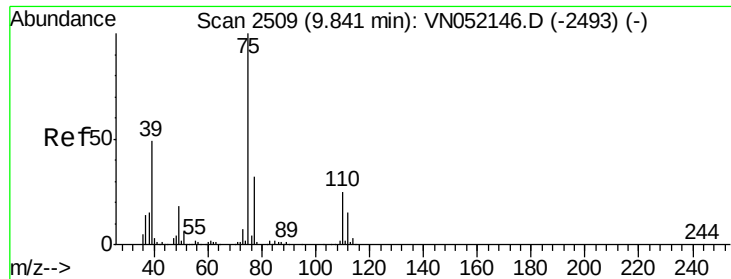
Tgt Ion: 75 Resp: 5503

Ion Ratio Lower Upper

75 100

77 21.1 25.8 38.6#





#54

cis-1,3-Dichloropropene

Concen: 0.857 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

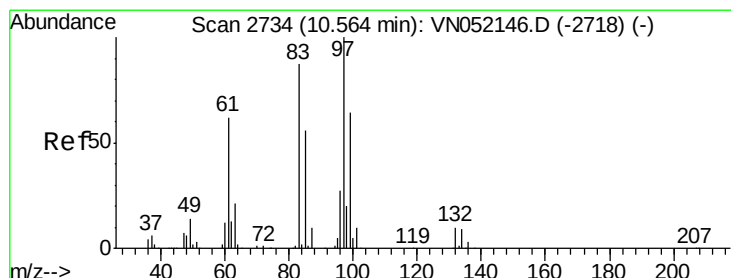
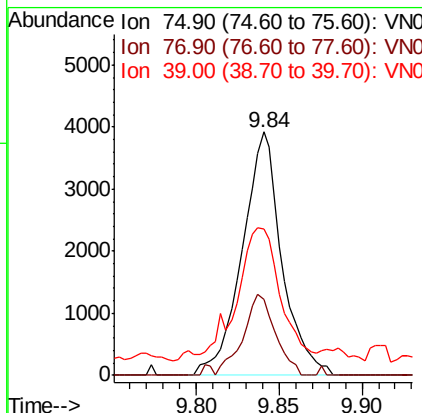
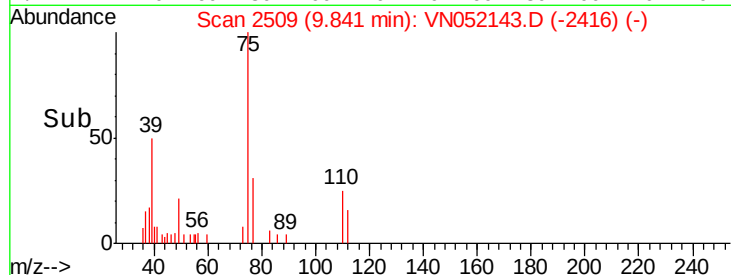
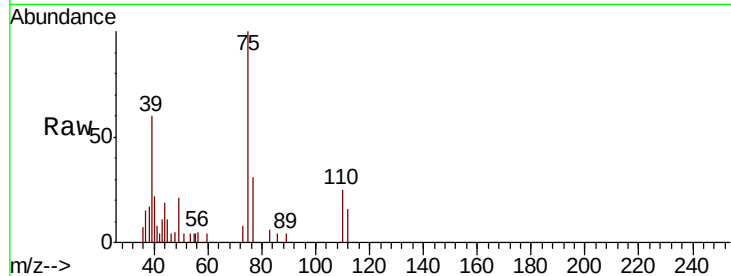
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	6484
Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.8
39	50.0	39.2	58.8

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#55

1,1,2-Trichloroethane

Concen: 0.857 ug/l

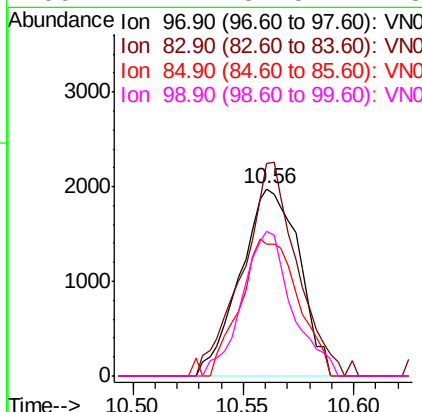
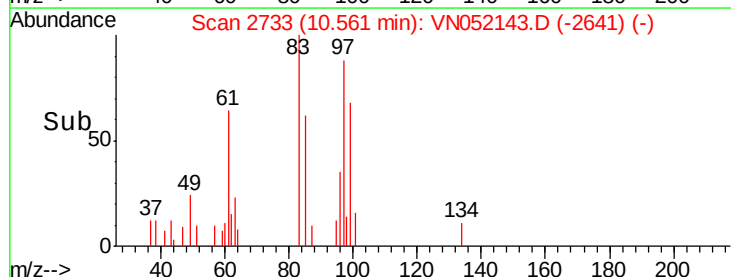
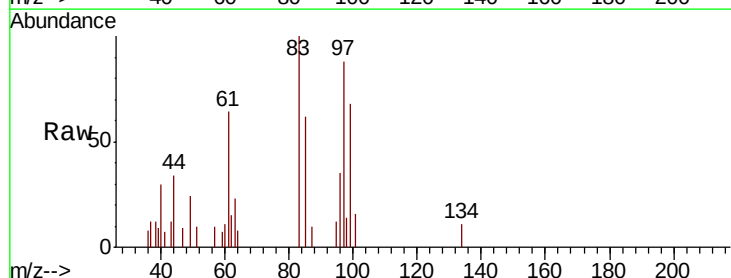
RT: 10.56 min Scan# 2733

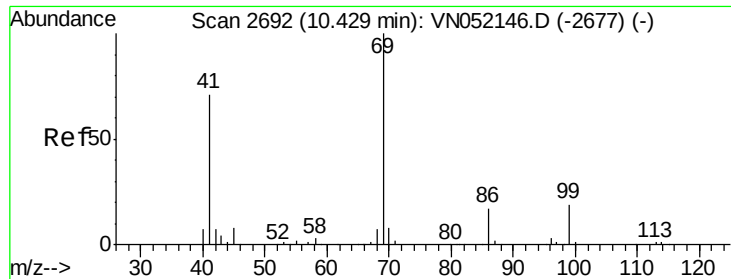
Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Tgt Ion:	97	Resp:	3653
Ion	Ratio	Lower	Upper
97	100		
83	114.0	69.3	103.9#
85	70.4	44.9	67.3#
99	77.7	51.5	77.3#





#56

Ethyl methacrylate

Concen: 0.869 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

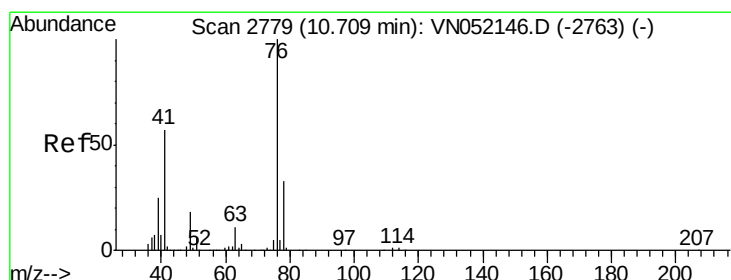
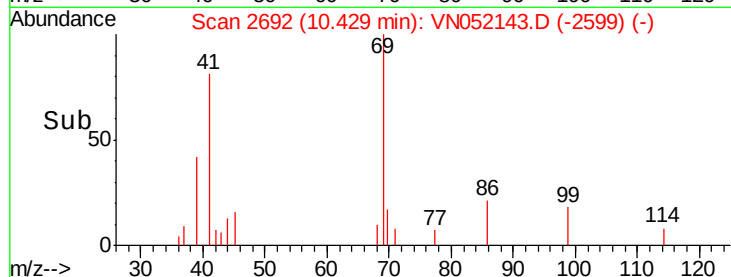
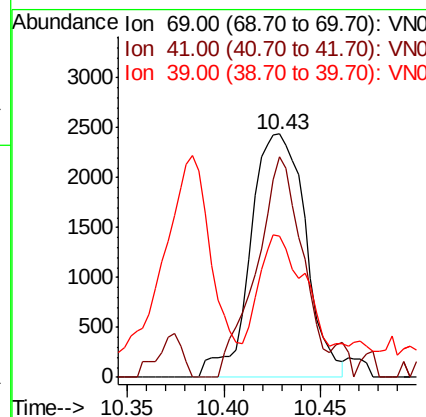
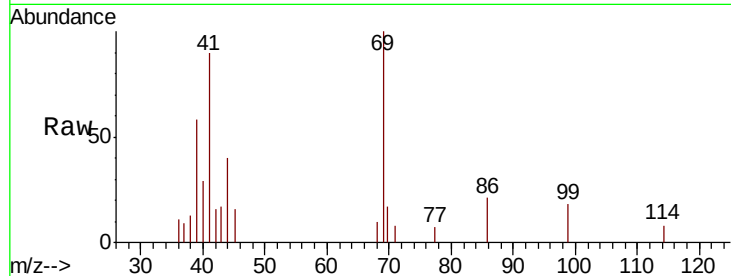
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	4829
Ion	Ratio	Lower	Upper
69	100		
41	76.4	55.4	83.0
39	37.8	32.0	48.0

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.950 ug/l

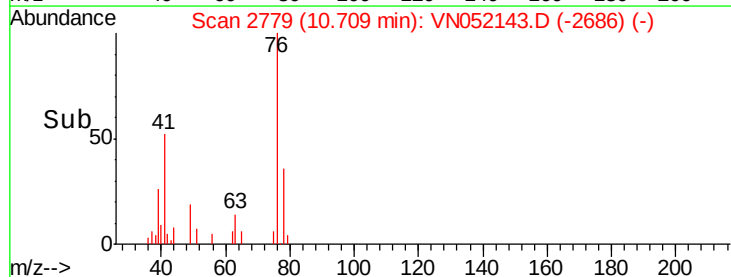
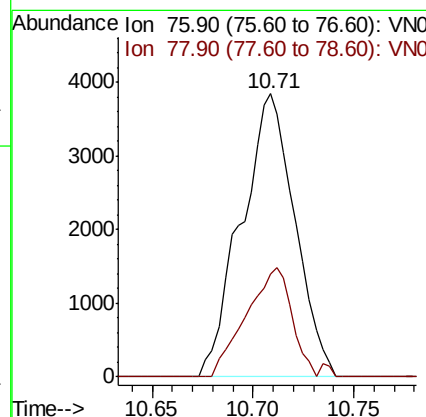
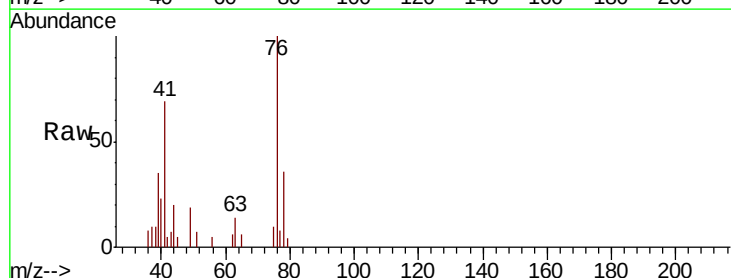
RT: 10.71 min Scan# 2779

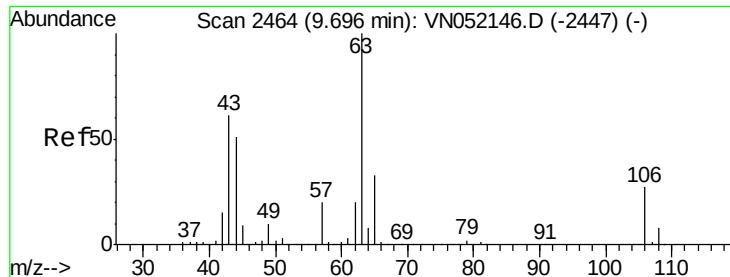
Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Tgt Ion:	76	Resp:	7135
Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.5	38.3





#58

2-Chloroethyl Vinyl ether

Concen: 4.500 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 13462

Ion Ratio Lower Upper

63 100

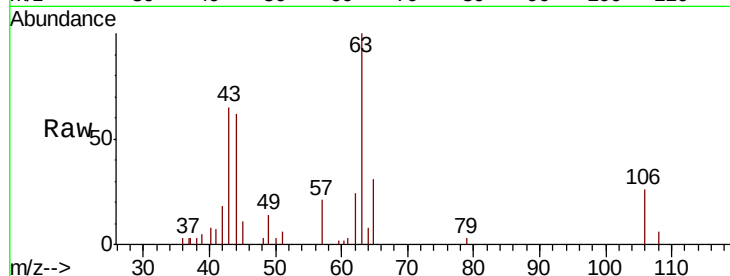
106 27.9 21.0 31.4

Manual Integrations

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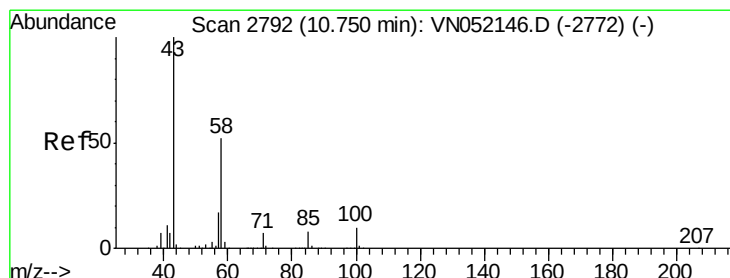
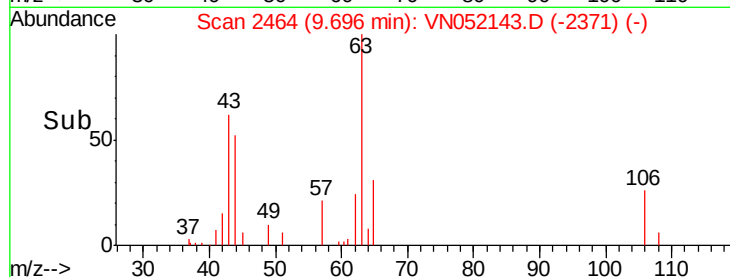
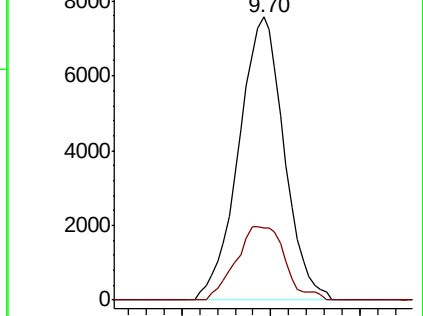
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0



#59

2-Hexanone

Concen: 4.666 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN052143.D

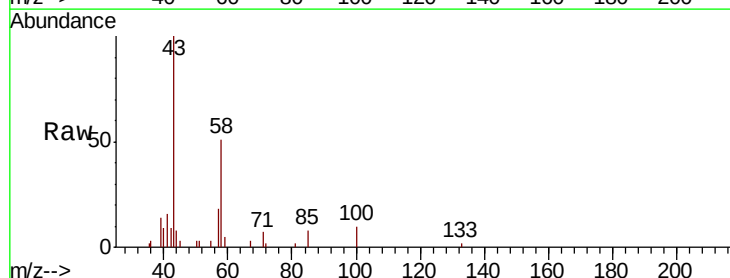
Acq: 5 Nov 2018 12:43

Tgt Ion: 43 Resp: 13360

Ion Ratio Lower Upper

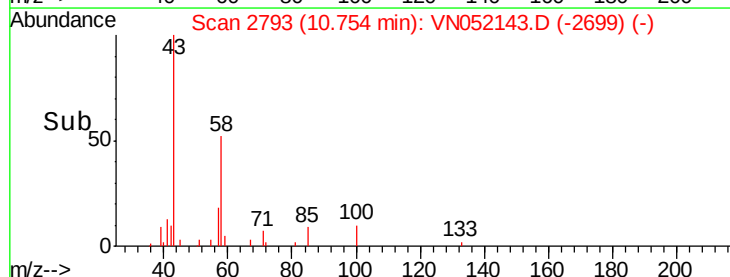
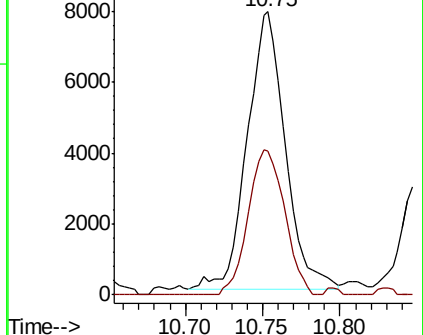
43 100

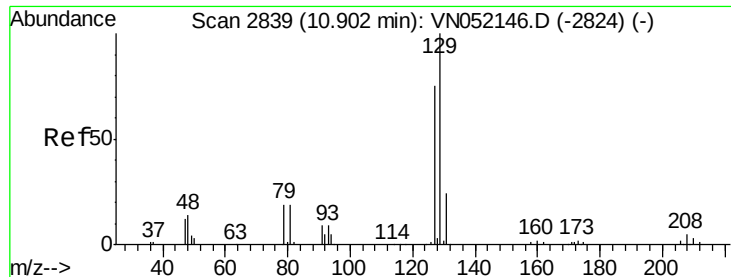
58 50.3 25.8 77.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





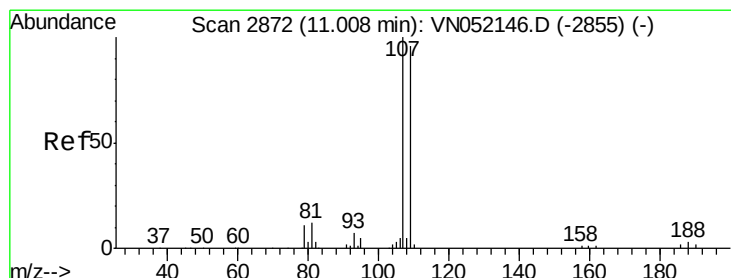
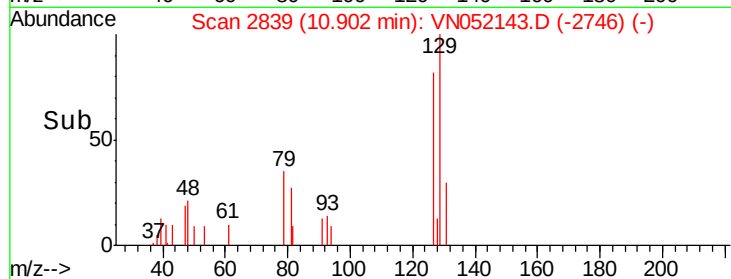
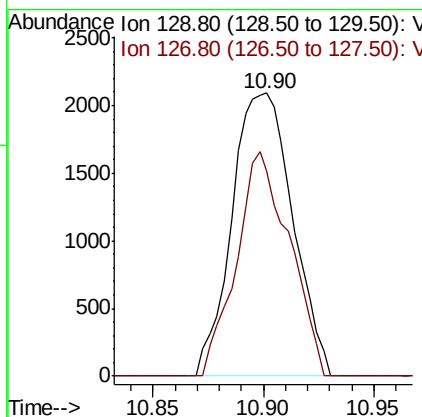
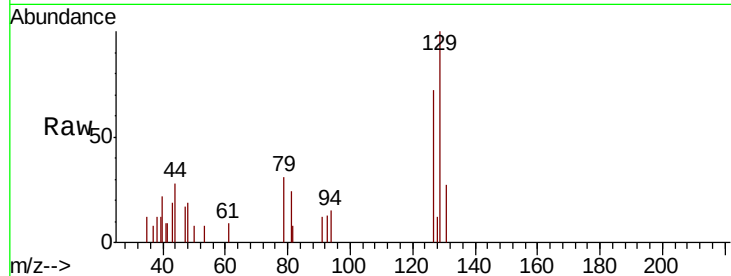
#60
Dibromochloromethane
Concen: 0.825 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
129	100		
127	69.3	38.0	114.1

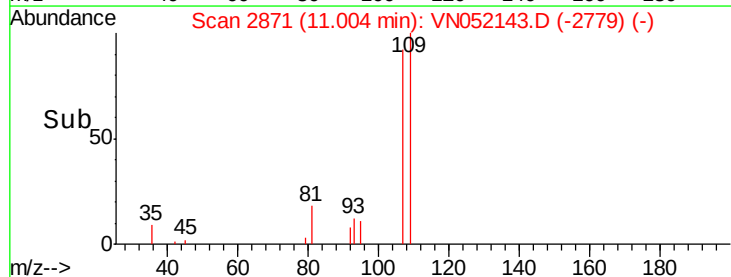
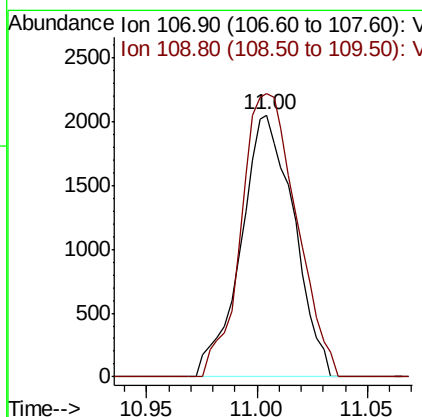
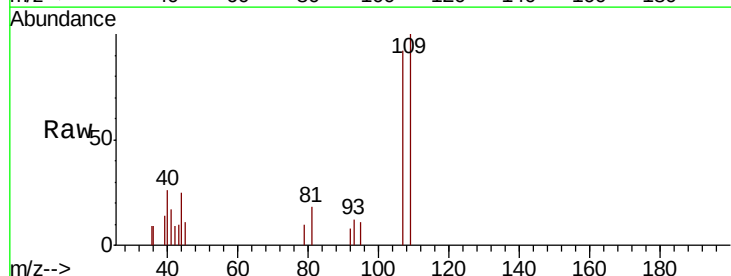
Manual Integrations
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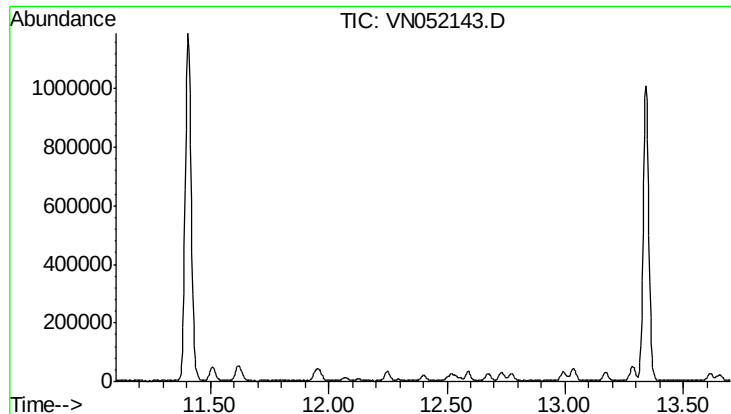
MMDadoda
11/6/2018 9:56:41 AM



#61
1,2-Dibromoethane
Concen: 0.789 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
107	100		
109	113.3	76.0	114.0





#62

4-Bromofluorobenzene

Concen: 0.789 ug/l

Expected RT: 12.40 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Tot Ion: 95

Sig Exp Ratio

95 100

174 81.3

176 77.7

Instrument :

MSVOA_N

ClientSampleId :

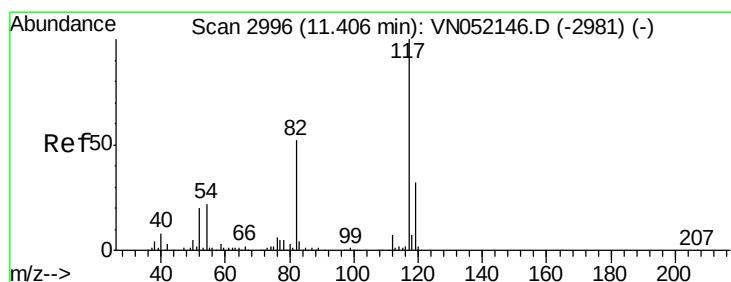
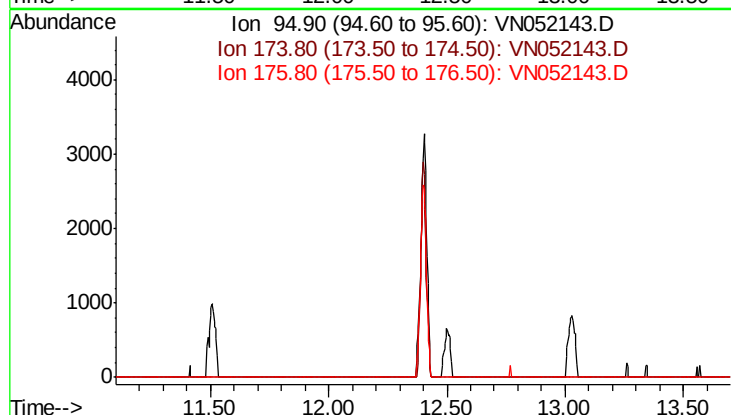
VSTDIC001

Manual Integrations

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11/6/2018 9:56:41 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

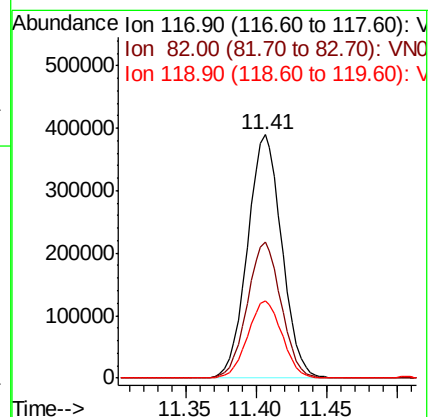
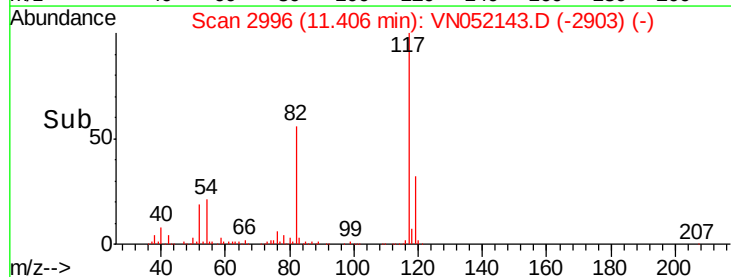
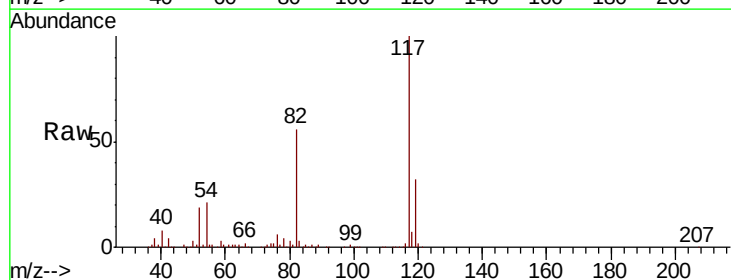
Tgt Ion:117 Resp: 663497

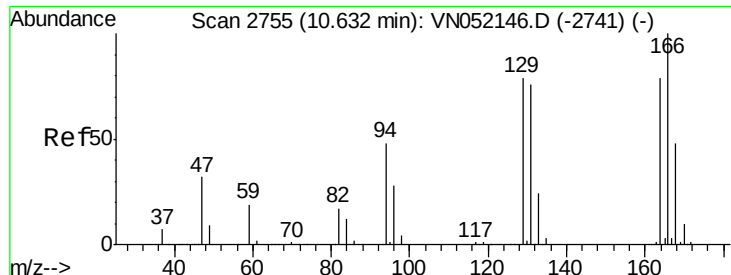
Ion Ratio Lower Upper

117 100

82 55.7 41.9 62.9

119 31.7 25.7 38.5





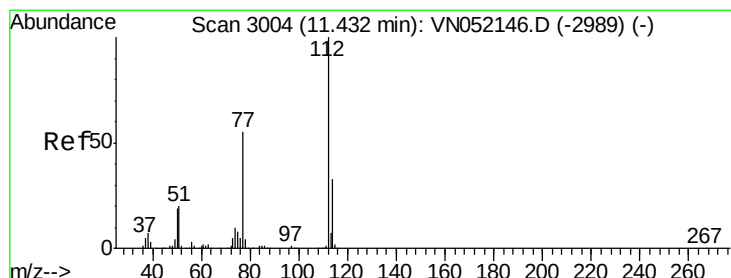
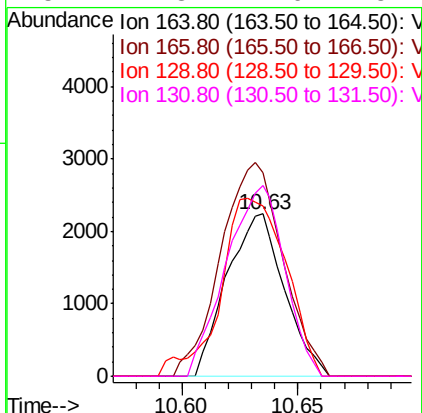
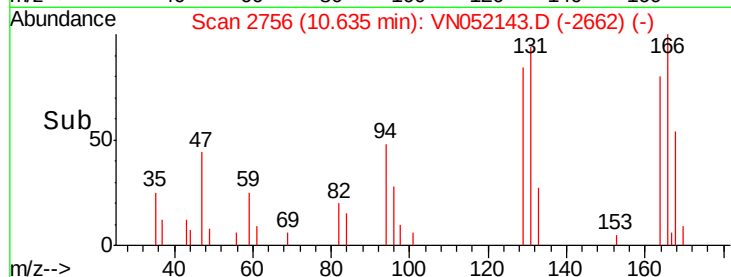
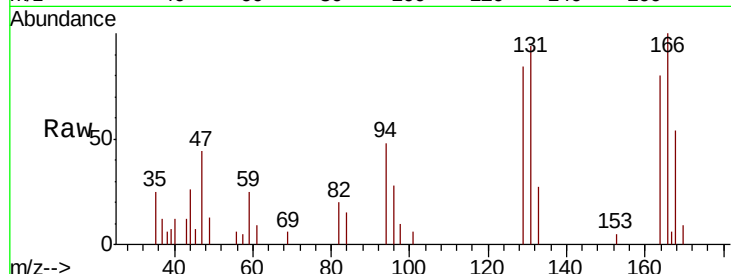
#64
Tetrachloroethene
Concen: 0.897 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
164	100				
166	125.1	100.8	151.2		
129	104.9	79.1	118.7		
131	117.3	77.0	115.4		

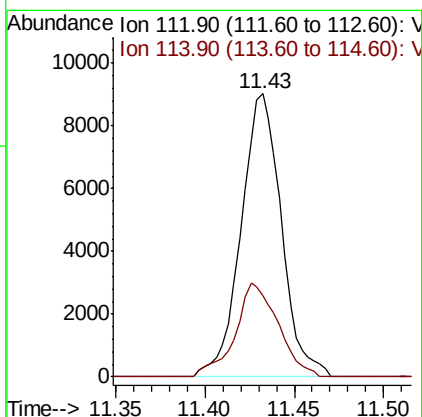
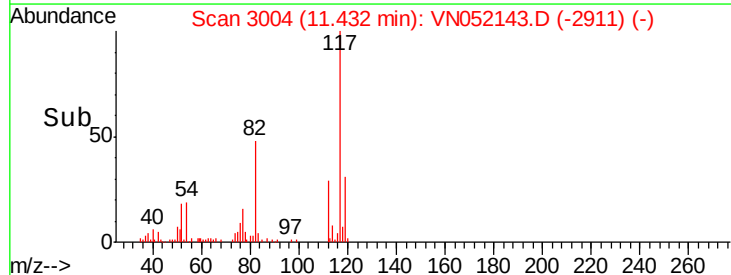
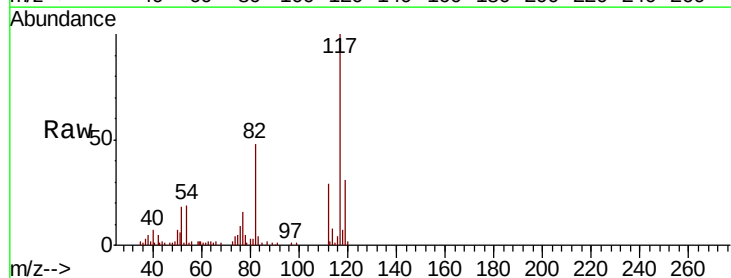
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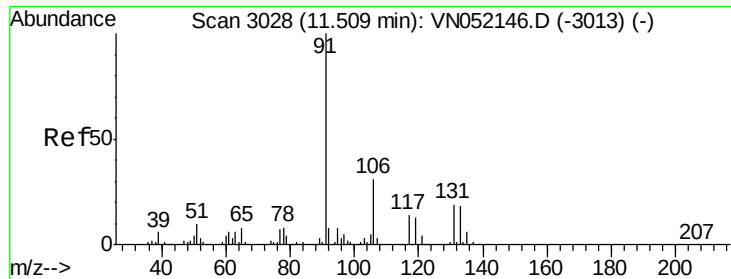
MMDadoda
11/6/2018 9:56:41 AM



#65
Chlorobenzene
Concen: 1.058 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
112	100				
114	28.6	26.2	39.4		





#66

1,1,1,2-Tetrachloroethane

Concen: 0.913 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.01 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

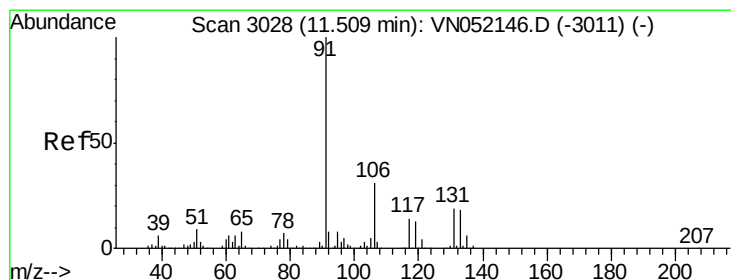
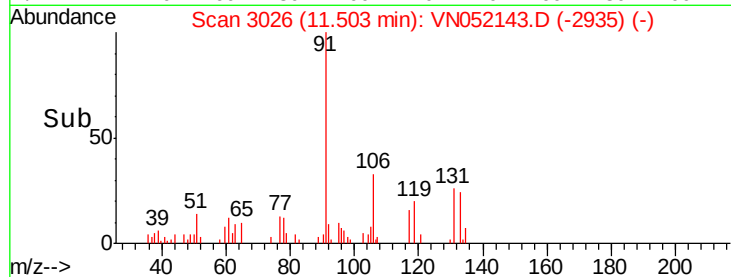
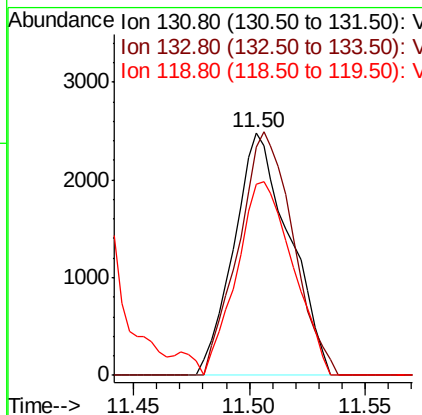
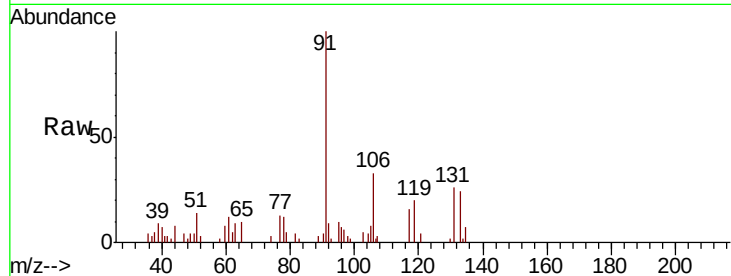
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	98.6	46.6	139.8
119	0.0	33.6	100.8#

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#67

Ethyl Benzene

Concen: 0.937 ug/l

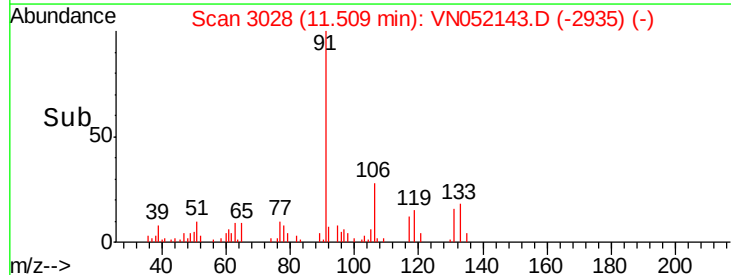
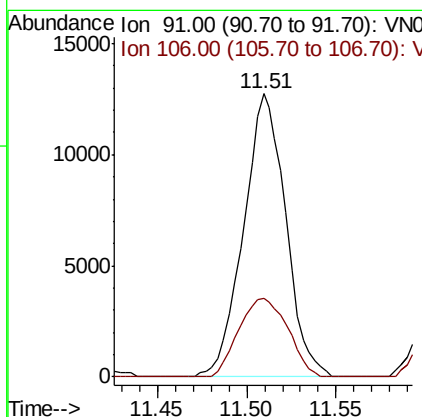
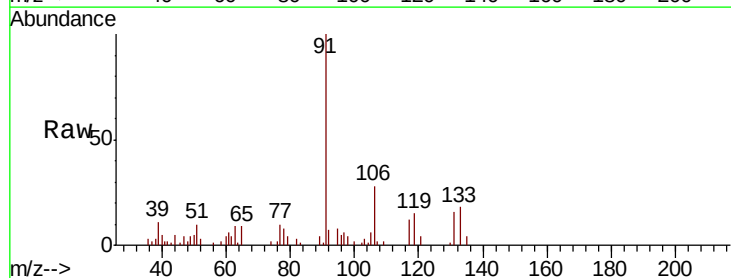
RT: 11.51 min Scan# 3028

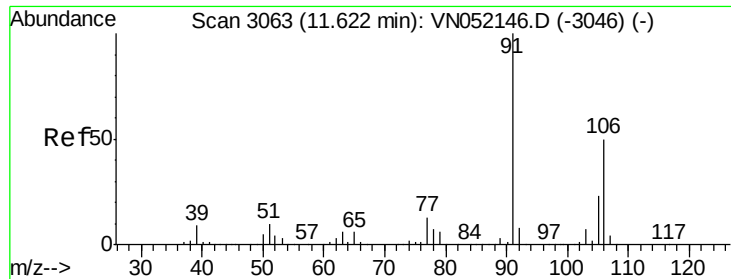
Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.6	25.1	37.7





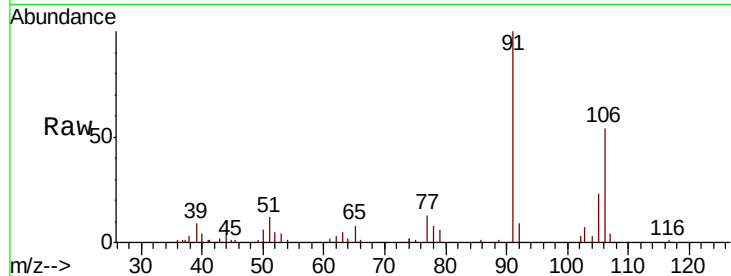
#68
m/p-Xylenes
Concen: 1.912 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

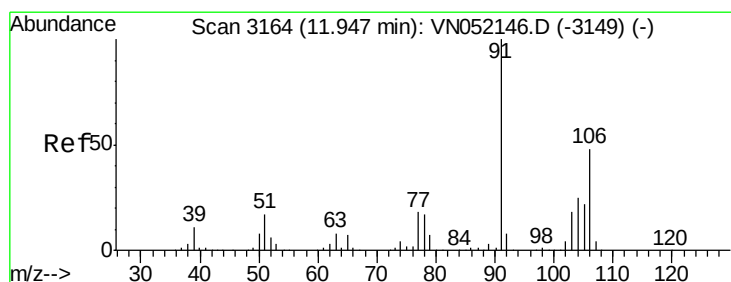
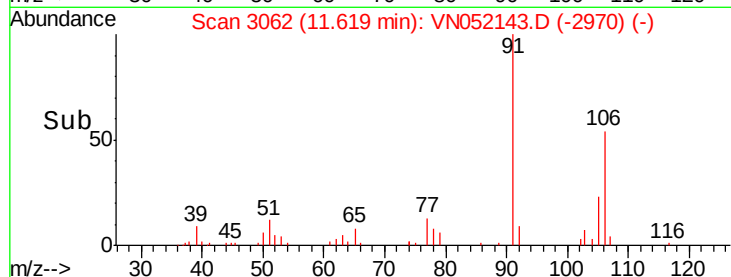
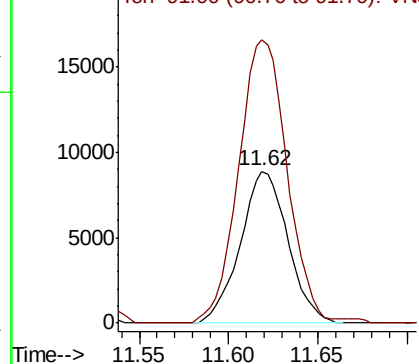
Tot Ion:106 Resp: 16569
Ion Ratio Lower Upper
106 100
91 190.1 158.2 237.4

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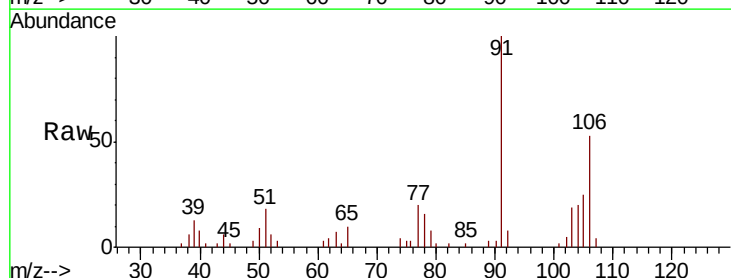


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

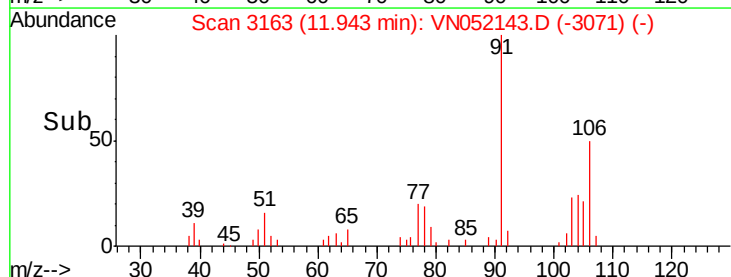
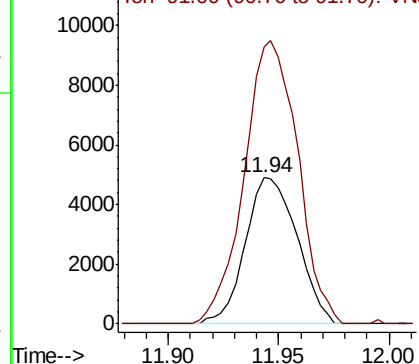


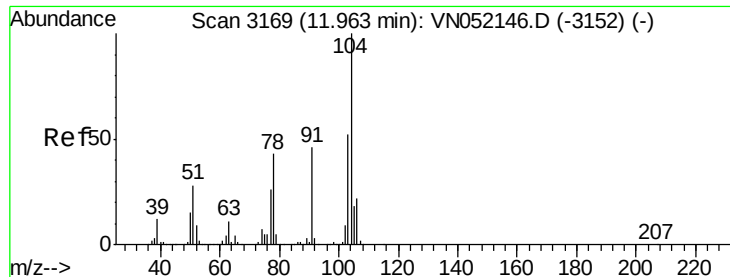
#69
o-Xylene
Concen: 0.949 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion:106 Resp: 7980
Ion Ratio Lower Upper
106 100
91 200.1 104.8 314.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





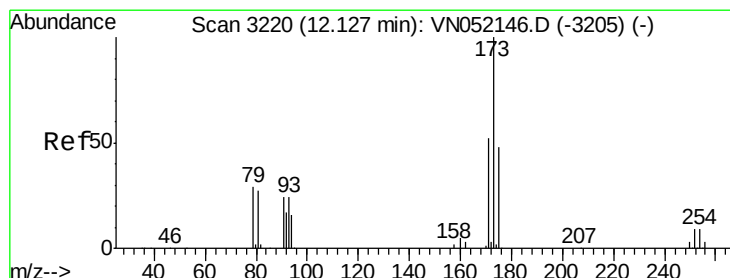
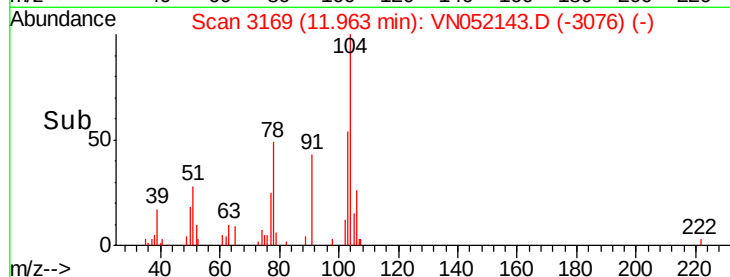
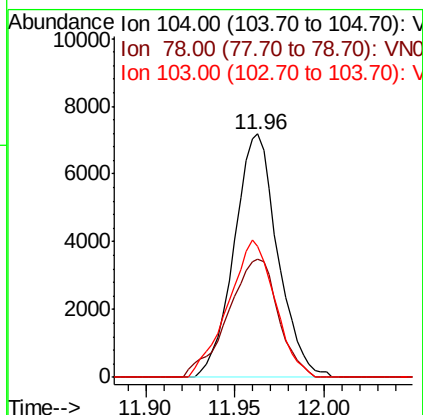
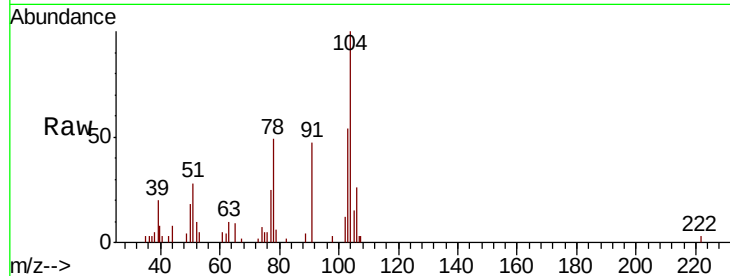
#70
Stvrene
Concen: 0.920 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.9	39.4	59.0
103	60.8	45.1	67.7

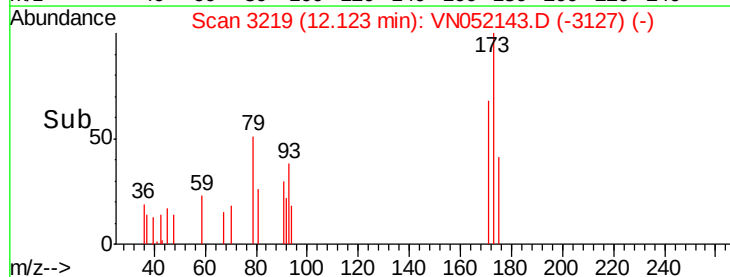
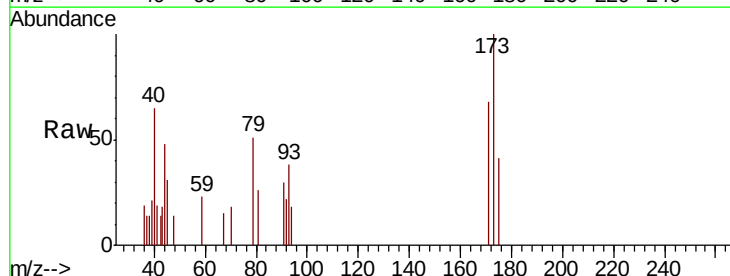
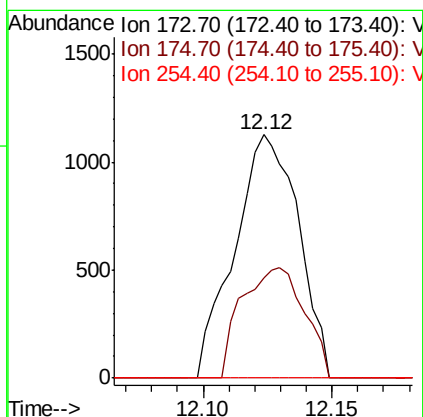
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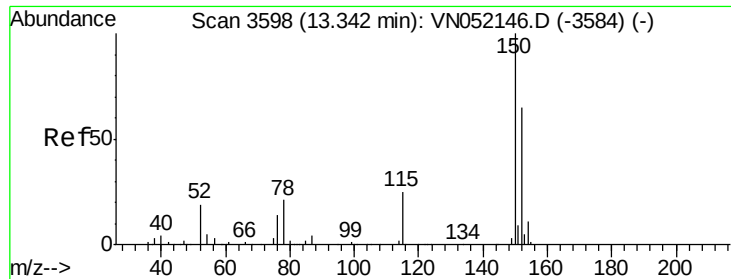
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#71
Bromoform
Concen: 0.739 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052143.D
Acq: 5 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
173	100		
175	44.6	24.8	74.4
254	0.0	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

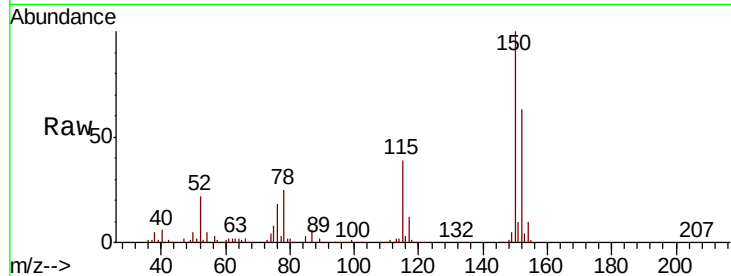
ClientSampleId :

VSTDIC001

Tot Ion:	152	Resp:	251484
Ion	Ratio	Lower	Upper
152	100		
115	61.8	28.5	85.5
150	157.8	0.0	348.6

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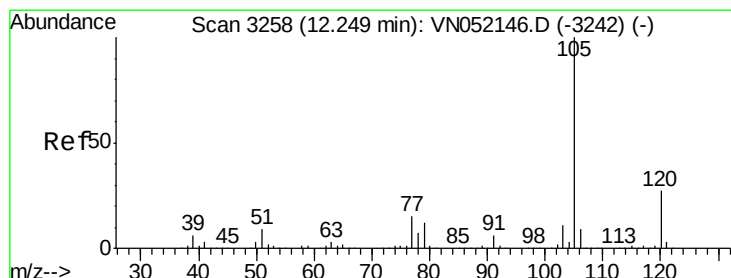
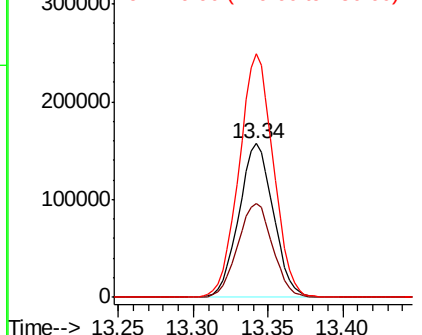
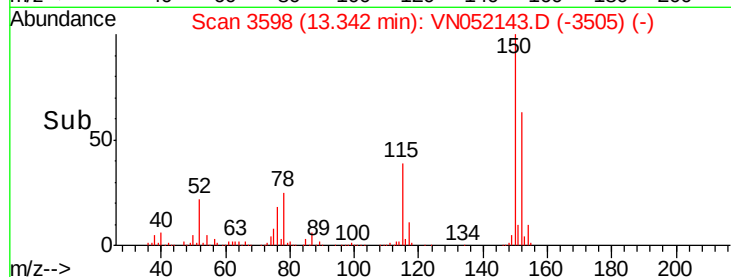


Abundance

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: 1.005 ug/l

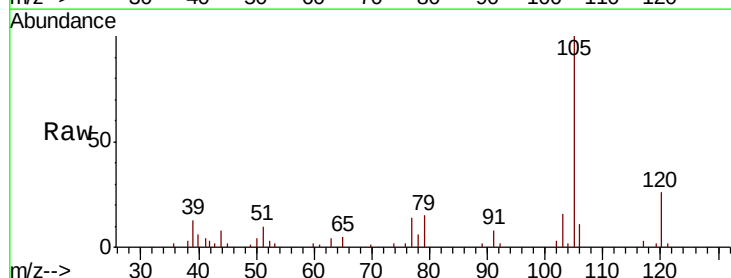
RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

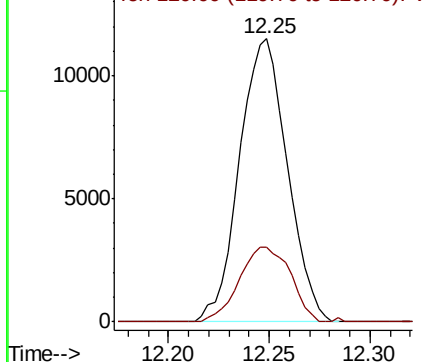
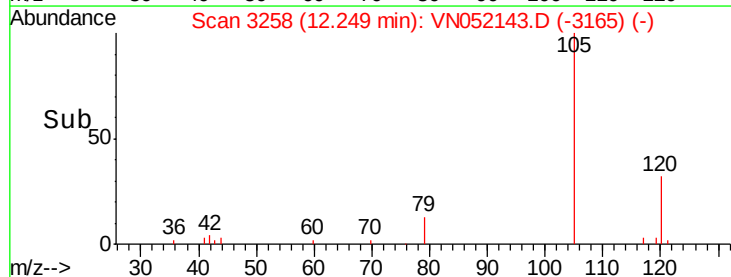
Tgt Ion:	105	Resp:	19102
Ion	Ratio	Lower	Upper
105	100		
120	28.2	13.3	39.9

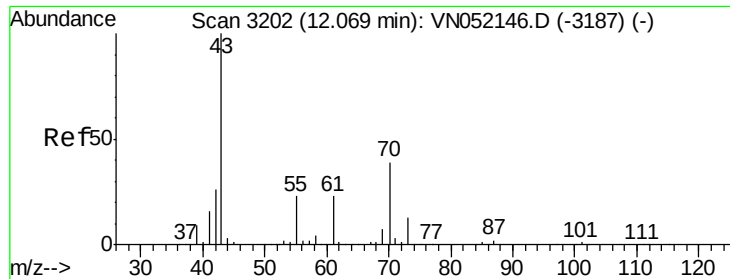


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.938 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

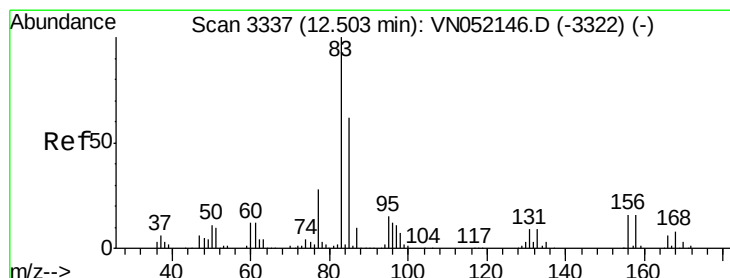
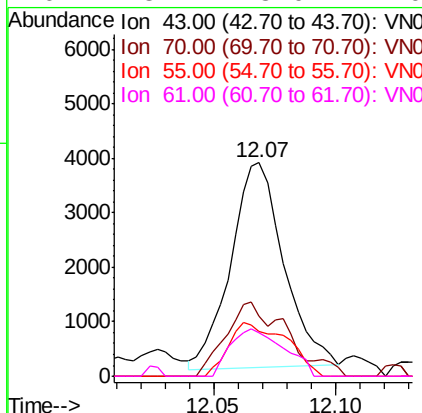
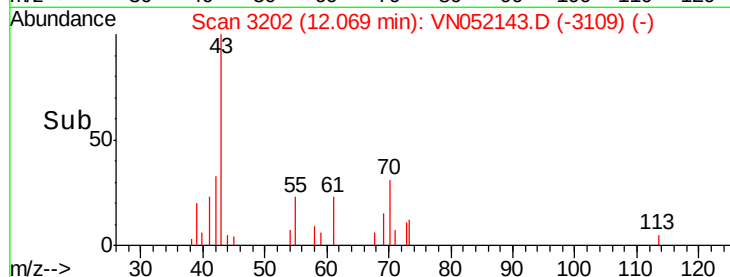
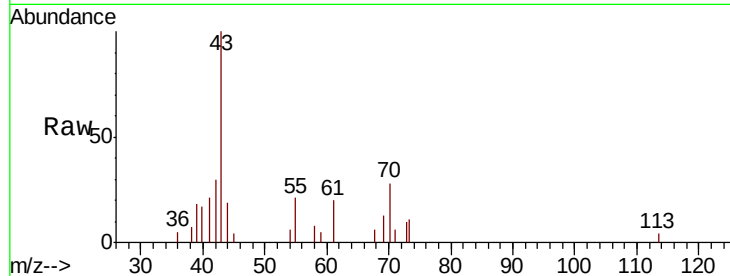
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	42.5	31.1	46.7	
55	28.7	18.5	27.7	
61	23.7	18.0	27.0	

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.022 ug/l

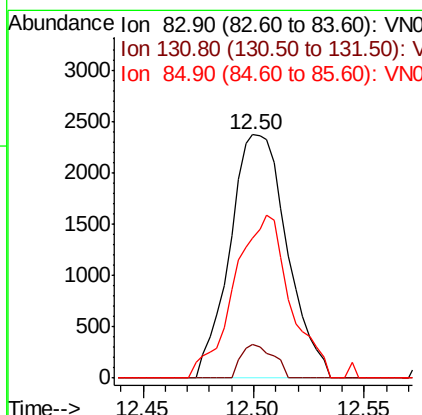
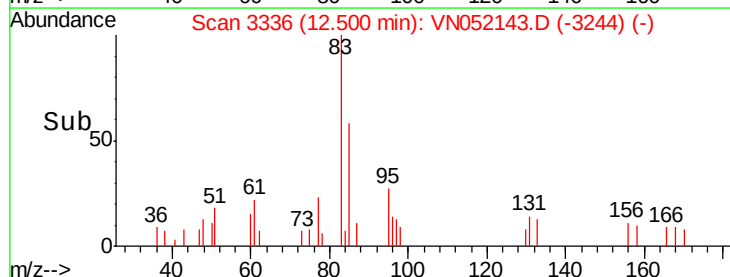
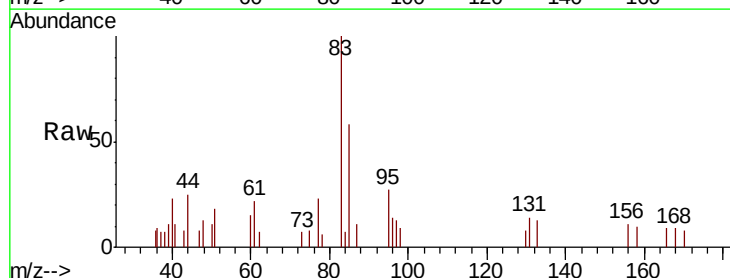
RT: 12.50 min Scan# 3336

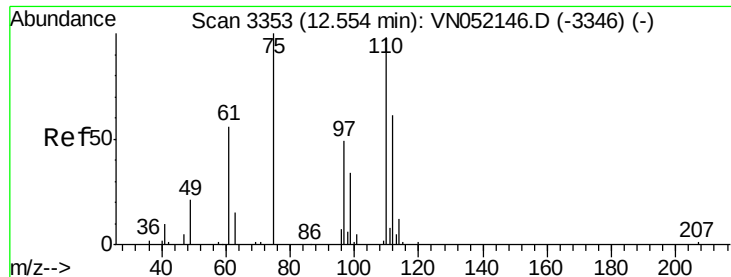
Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	7.8	5.0	14.9	
85	65.6	31.8	95.3	





#76

1,2,3-Trichloropropane

Concen: 1.381 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 75 Resp: 4637

Ion Ratio Lower Upper

75 100

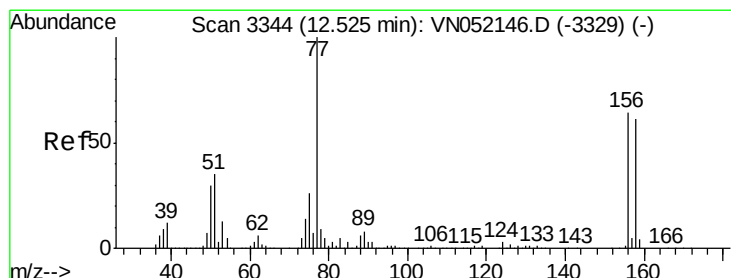
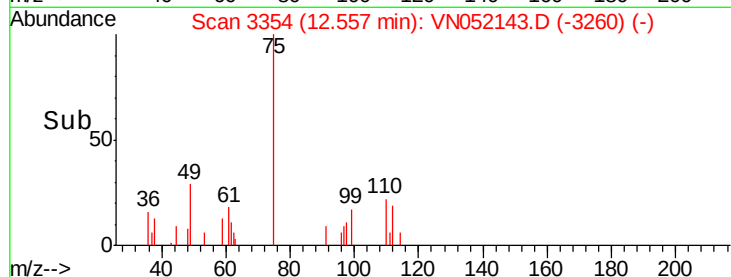
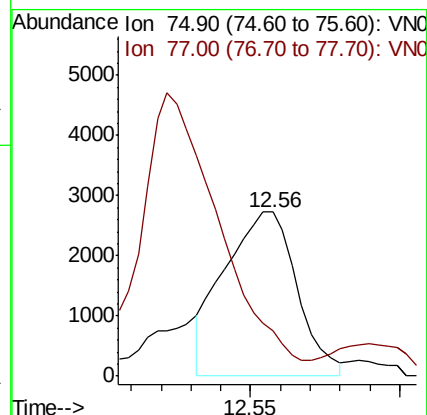
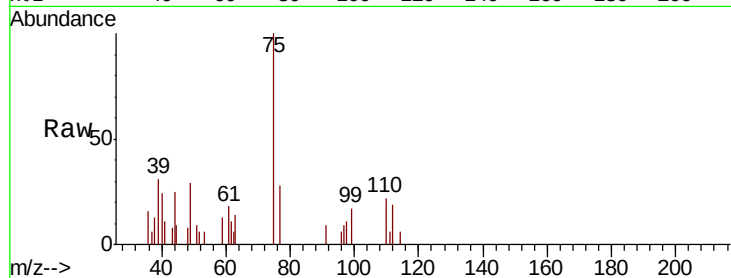
77 0.0 0.0 0.0

Manual Integrations

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#77

Bromobenzene

Concen: 1.023 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

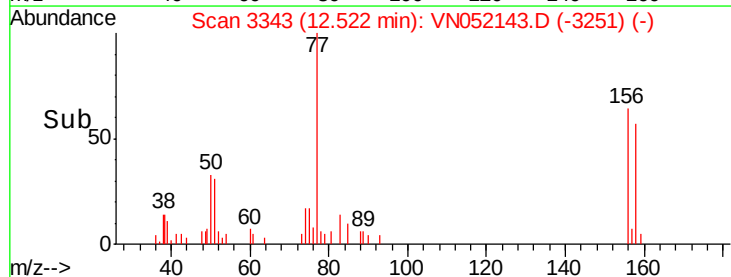
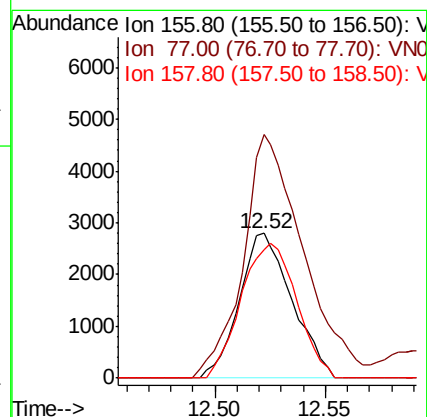
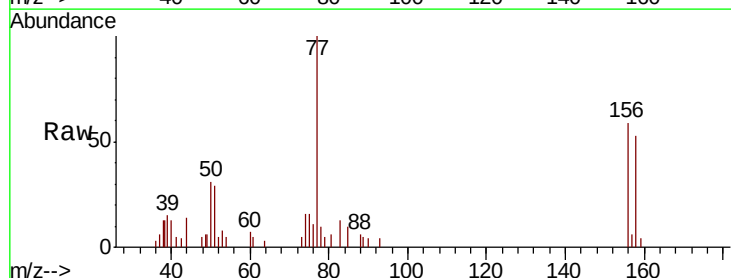
Tgt Ion: 156 Resp: 4639

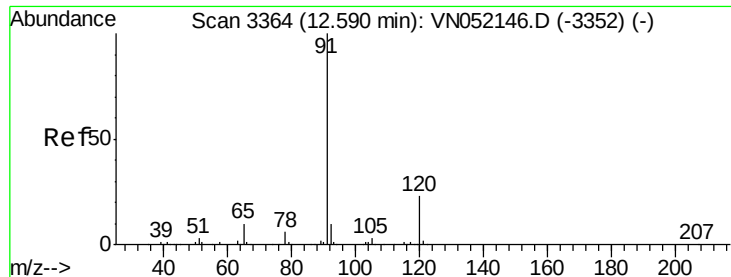
Ion Ratio Lower Upper

156 100

77 192.8 91.6 274.9

158 98.5 48.1 144.3





#78

n-propylbenzene

Concen: 1.014 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 22045

Ion Ratio Lower Upper

91 100

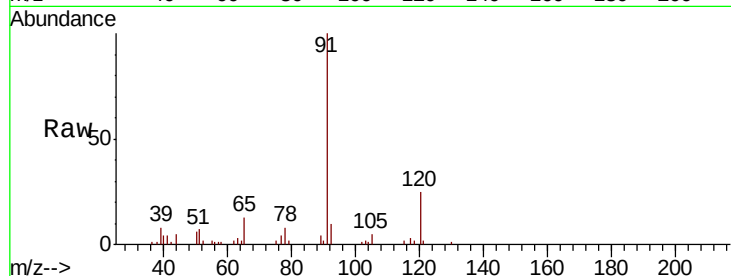
120 22.7 11.9 35.7

Manual Integrations

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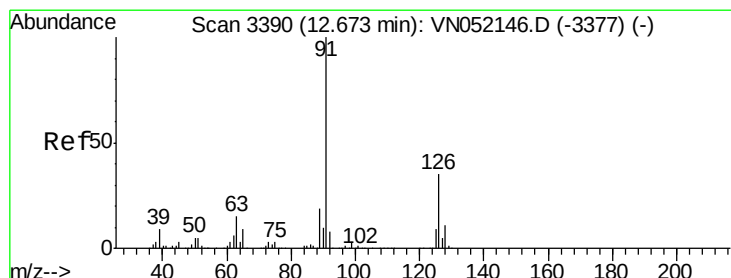
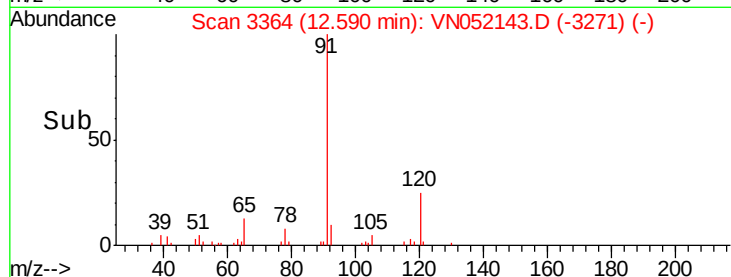
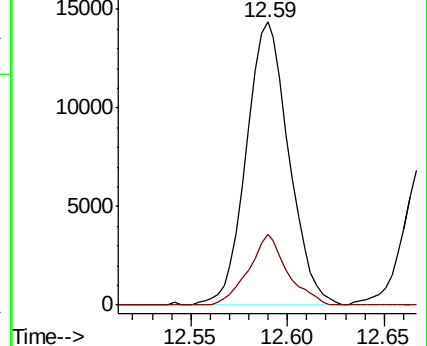
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.050 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052143.D

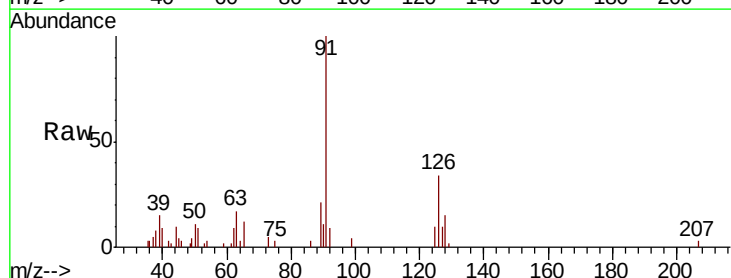
Acq: 5 Nov 2018 12:43

Tgt Ion: 91 Resp: 13378

Ion Ratio Lower Upper

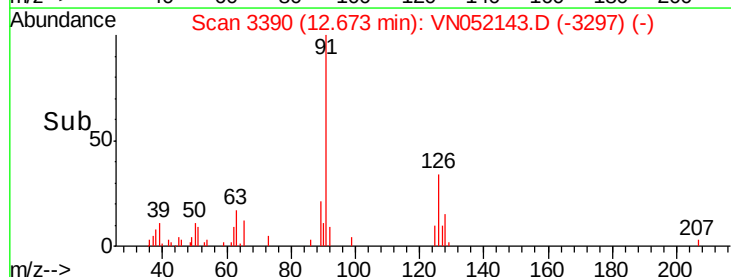
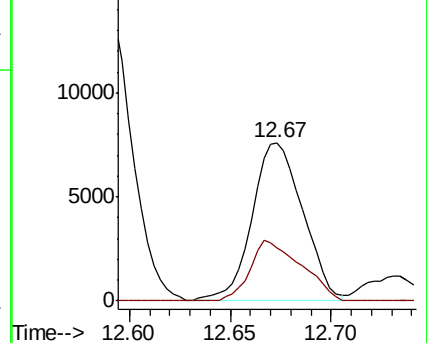
91 100

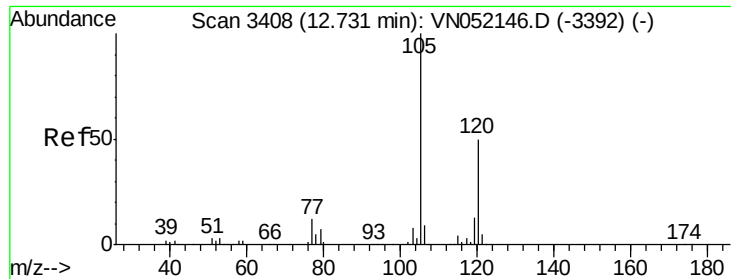
126 38.4 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





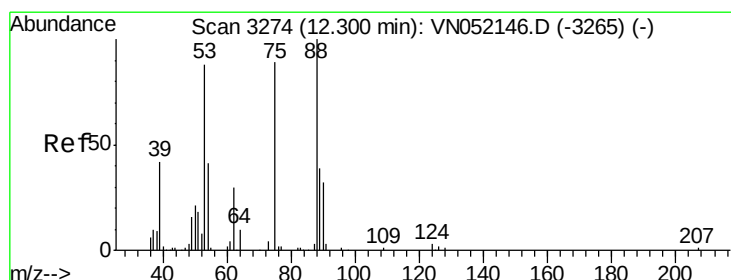
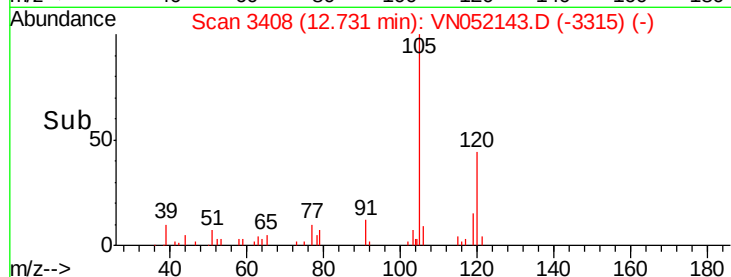
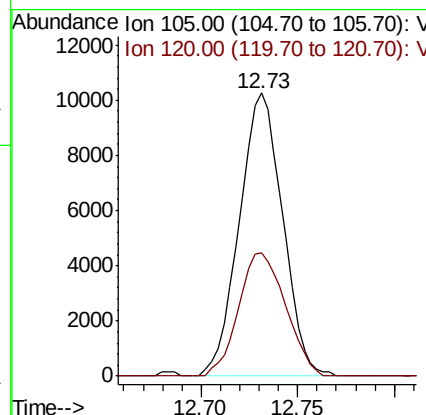
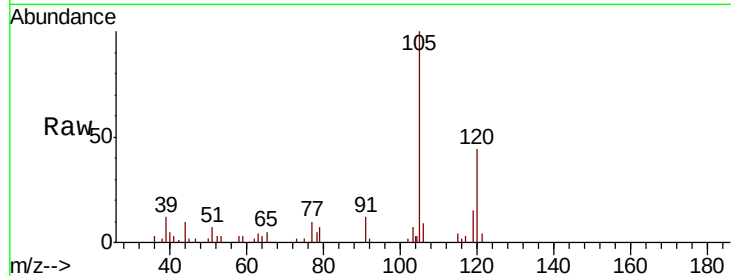
#80
 1,3,5-Trimethylbenzene
 Concen: 1.040 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 16010
 Ion Ratio Lower Upper
 105 100
 120 47.0 24.9 74.6

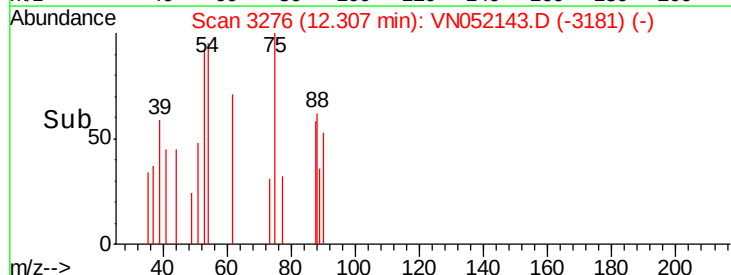
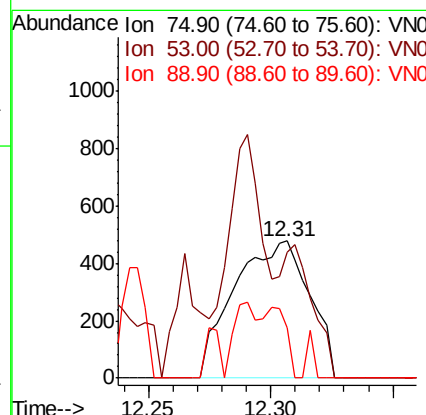
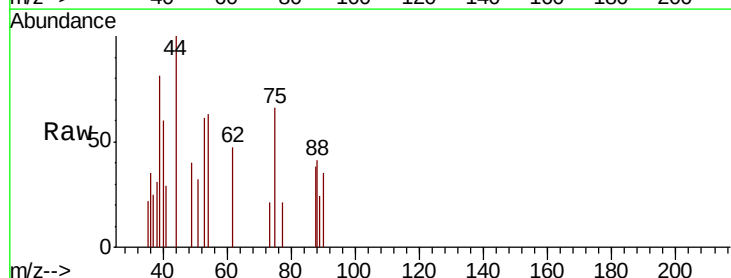
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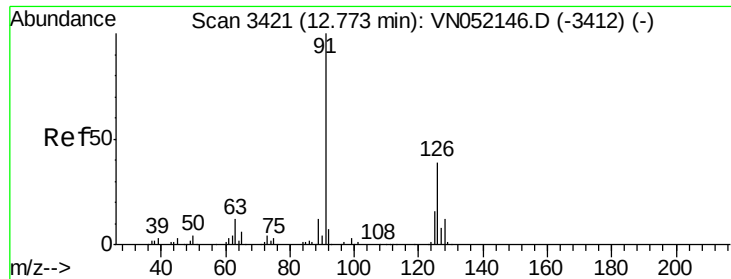
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.927 ug/l
 RT: 12.31 min Scan# 3276
 Delta R.T. 0.01 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion: 75 Resp: 1025
 Ion Ratio Lower Upper
 75 100
 53 36.4 79.4 119.0#
 89 3.1 35.8 53.8#





#82

4-Chlorotoluene

Concen: 1.024 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 13120

Ion Ratio Lower Upper

91 100

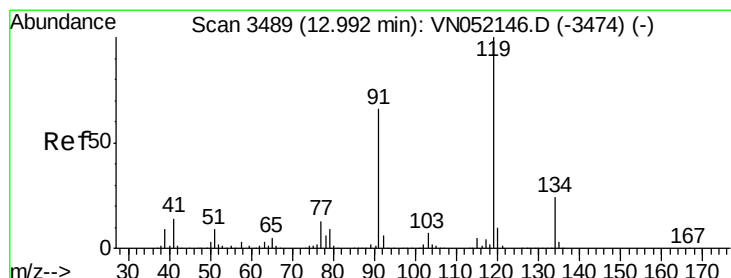
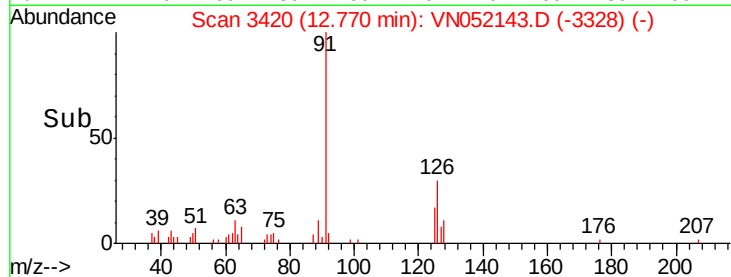
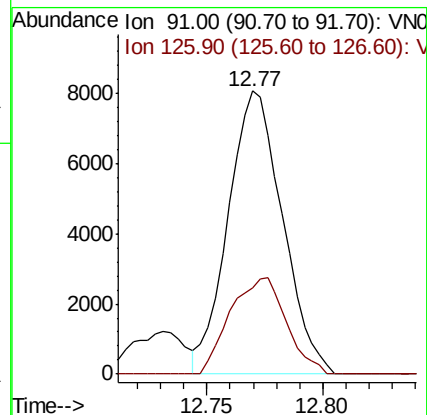
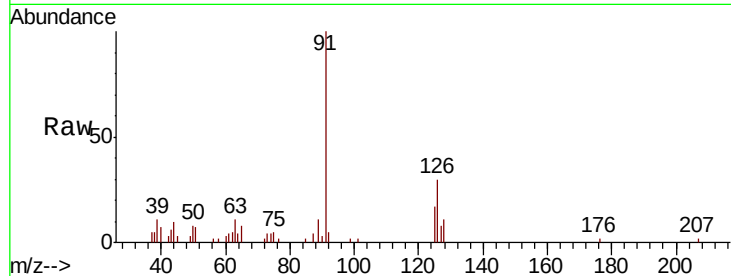
126 35.2 17.8 53.5

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#83

tert-Butylbenzene

Concen: 1.045 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

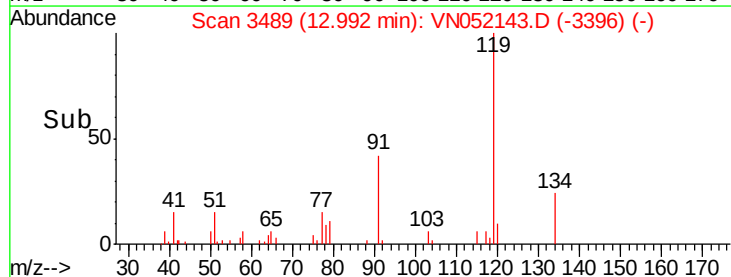
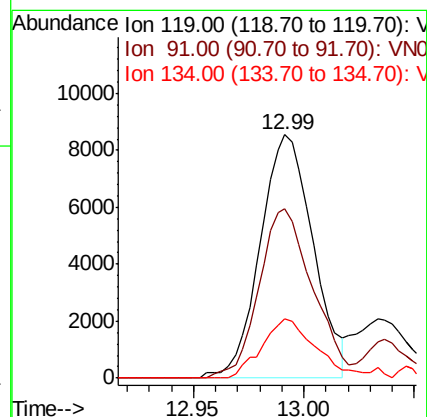
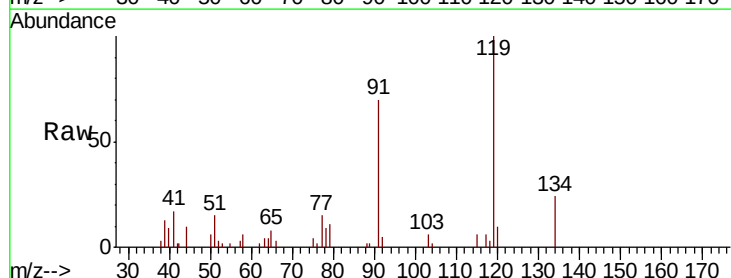
Tgt Ion: 119 Resp: 14208

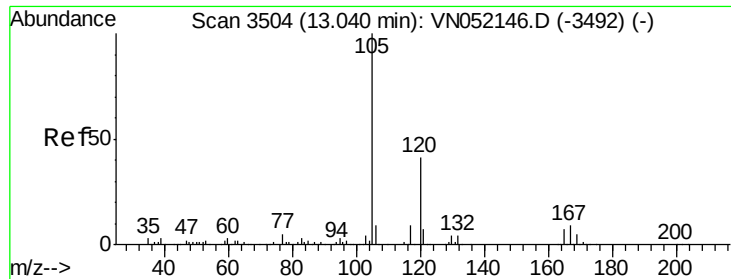
Ion Ratio Lower Upper

119 100

91 70.4 32.3 96.8

134 24.9 13.0 38.9





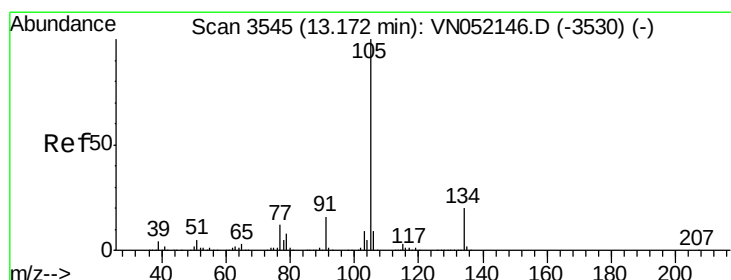
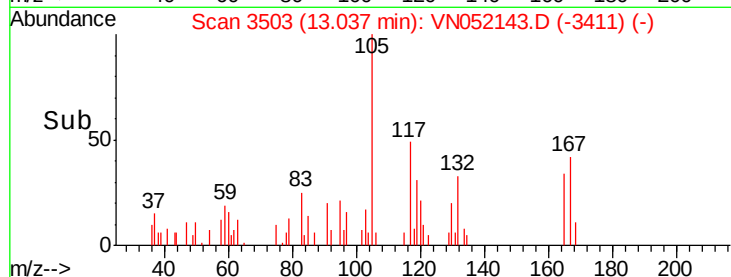
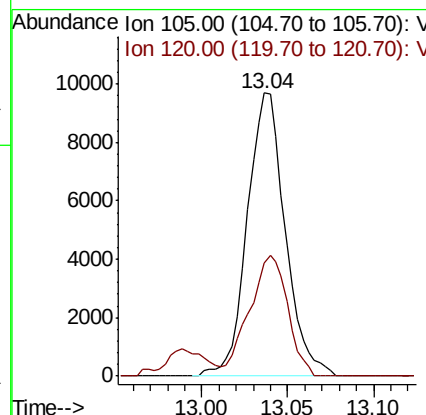
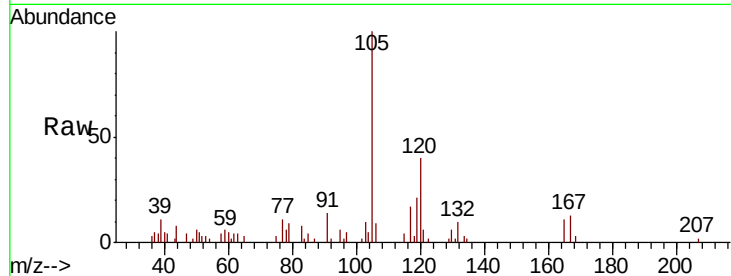
#84
 1,2,4-Trimethylbenzene
 Concen: 0.969 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.0	23.2	69.5

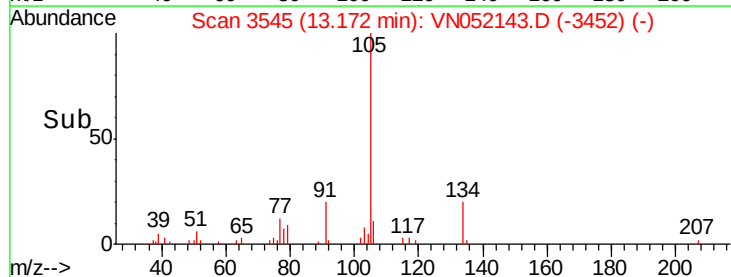
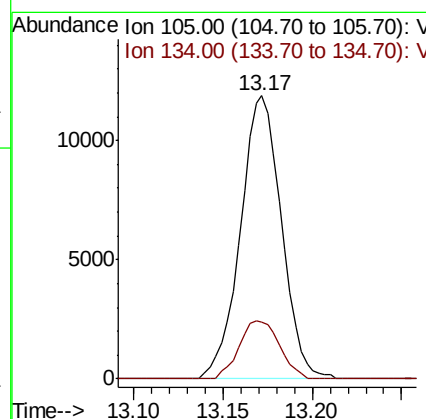
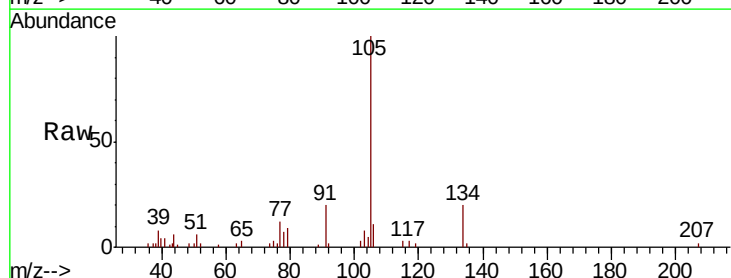
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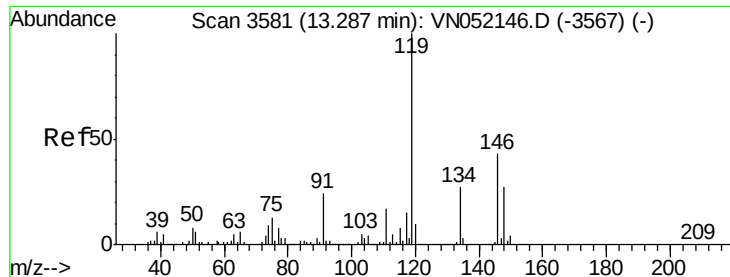
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#85
 sec-Butylbenzene
 Concen: 1.033 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.2	30.4





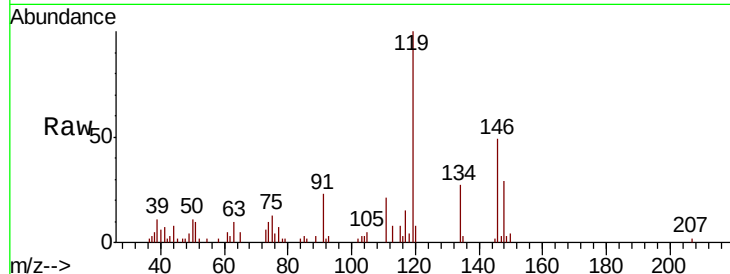
#86
 p-Isopropyltoluene
 Concen: 0.973 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	29.3	13.5	40.5
91	25.0	11.9	35.7

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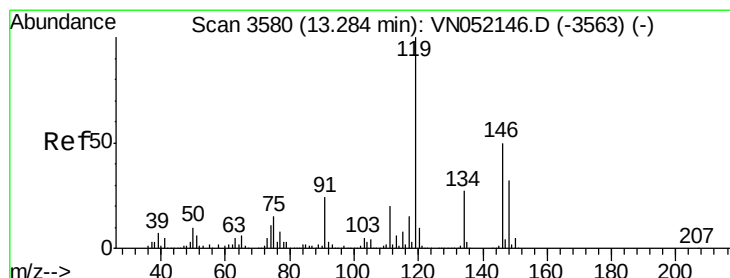
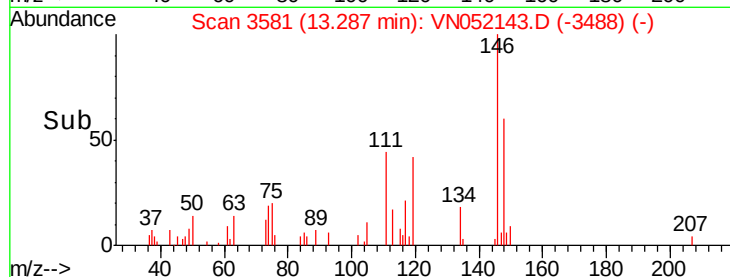
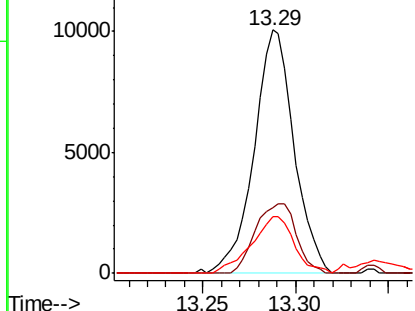


Abundance

Ion 119.00 (118.70 to 119.70): V

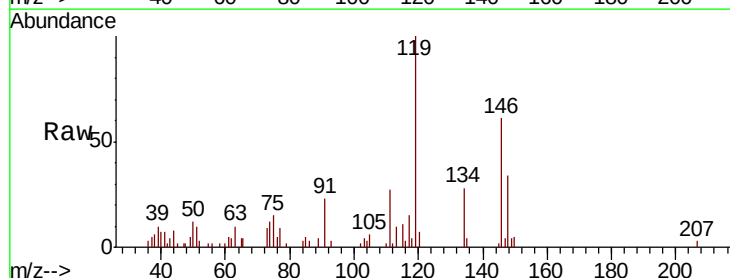
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87
 1,3-Dichlorobenzene
 Concen: 1.034 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	20.2	60.6
148	69.7	32.1	96.3

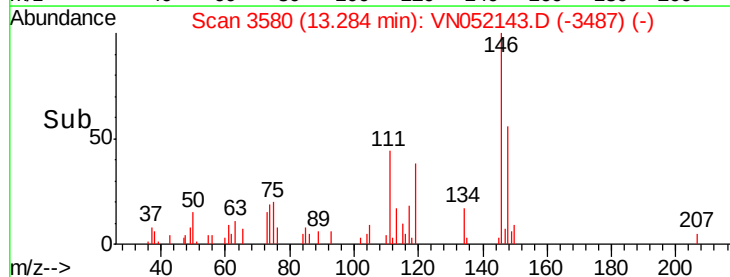
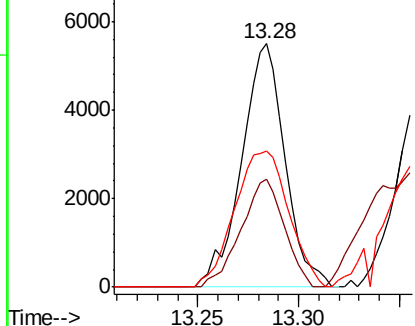


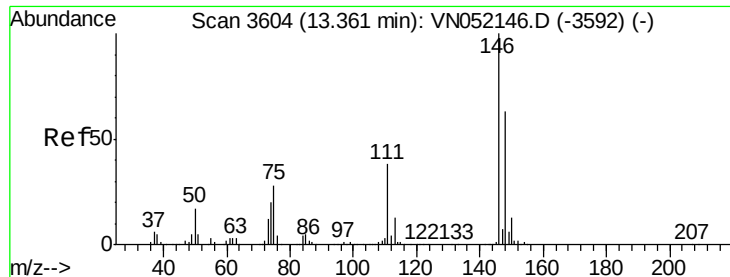
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





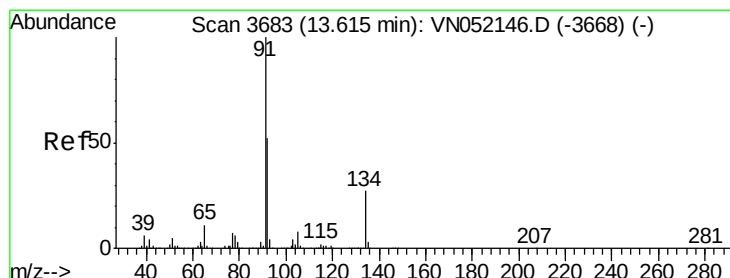
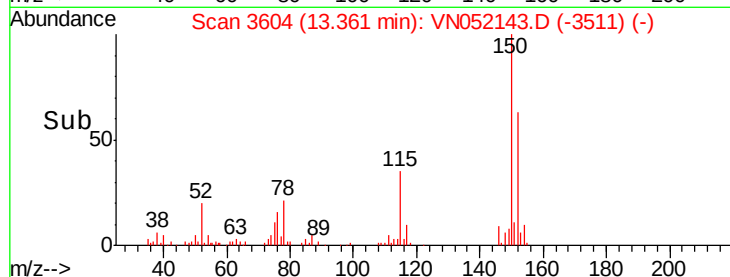
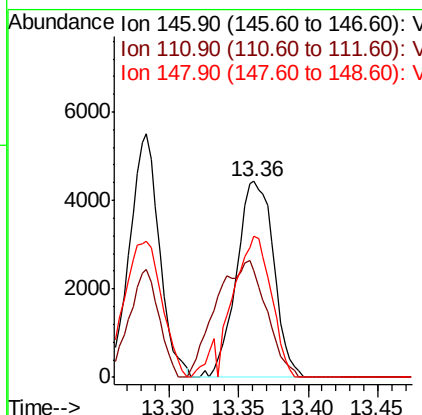
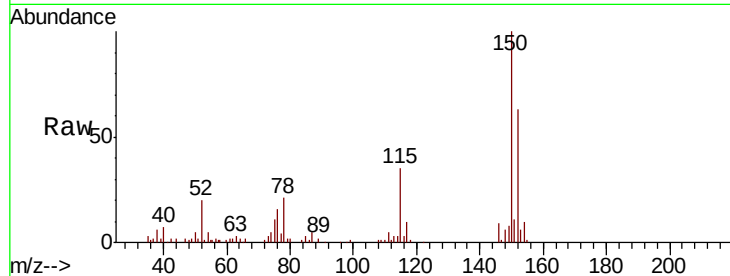
#88
 1,4-Dichlorobenzene
 Concen: 1.023 ug/l m
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	19.4	58.1
148	70.5	31.5	94.5

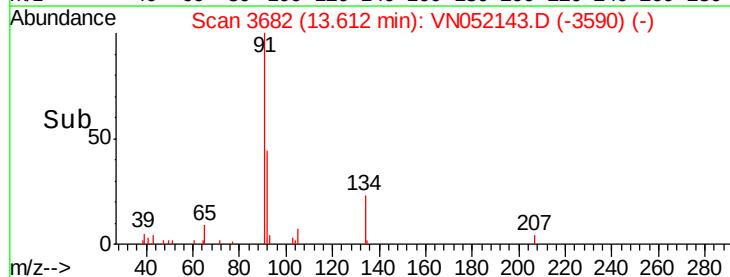
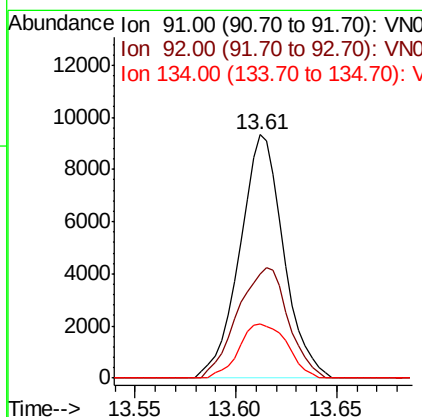
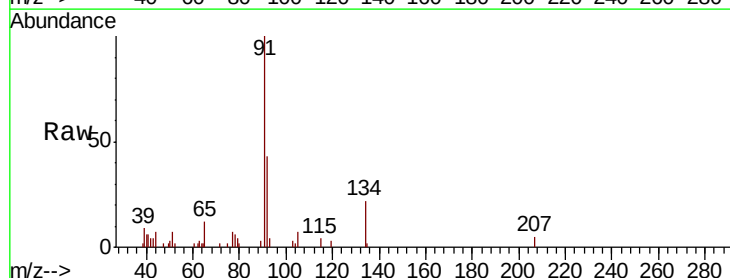
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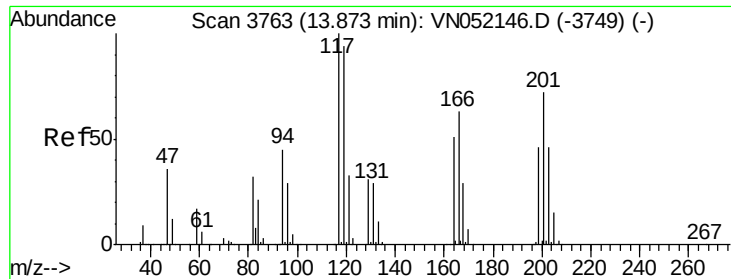
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#89
 n-Butylbenzene
 Concen: 1.058 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.3	78.8
134	24.6	13.4	40.2





#90

Hexachloroethane

Concen: 0.887 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:117 Resp: 2313

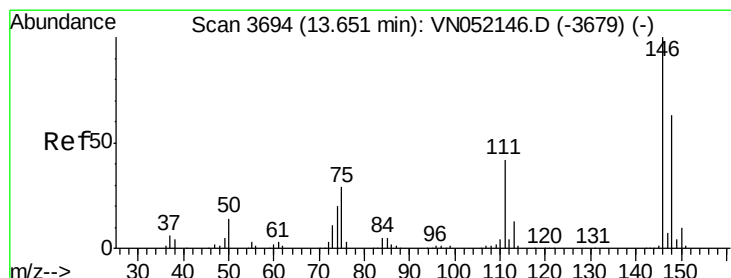
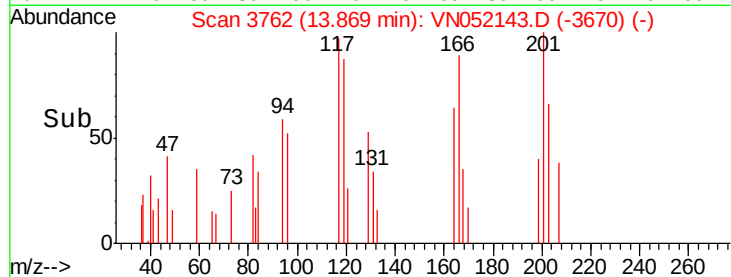
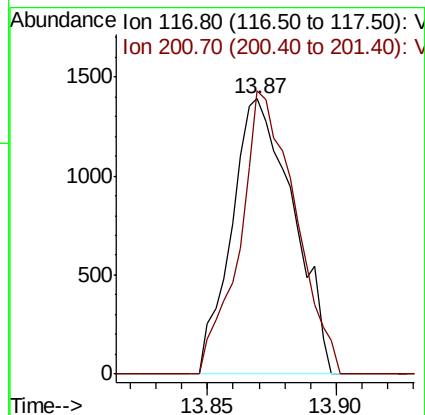
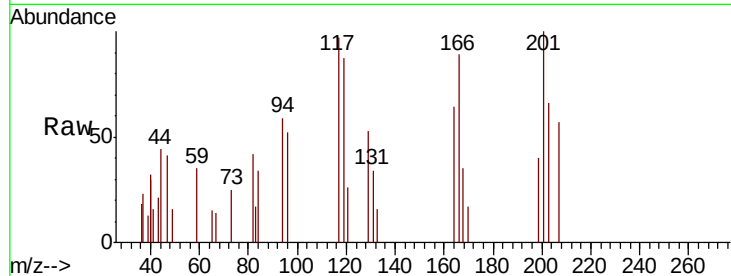
Ion Ratio Lower Upper

117 100

201 92.9 36.8 110.3

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#91

1,2-Dichlorobenzene

Concen: 0.974 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

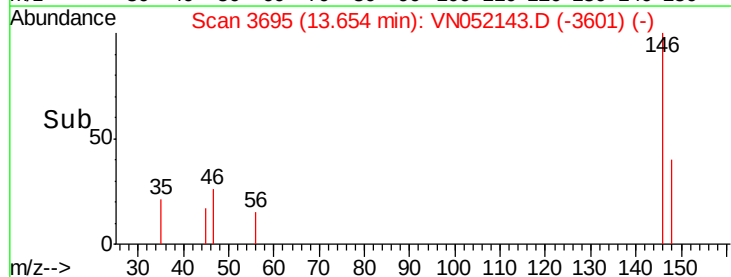
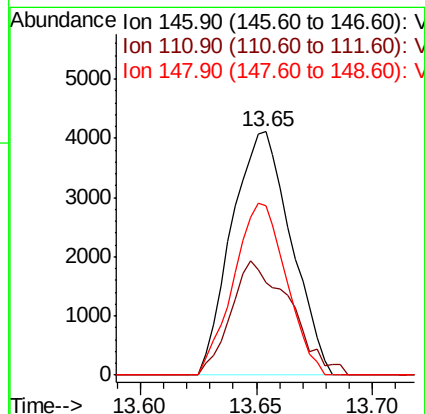
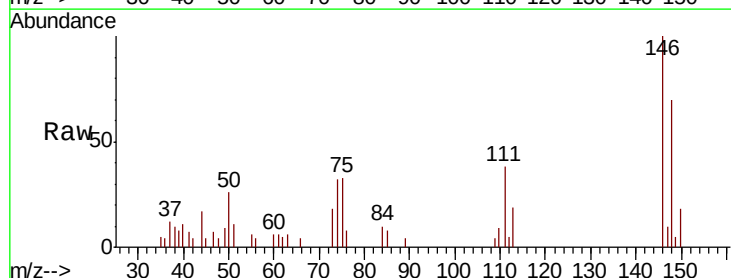
Tgt Ion:146 Resp: 7323

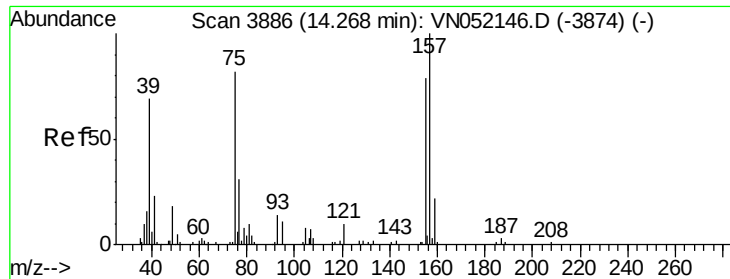
Ion Ratio Lower Upper

146 100

111 46.9 21.1 63.1

148 62.6 31.4 94.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.848 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

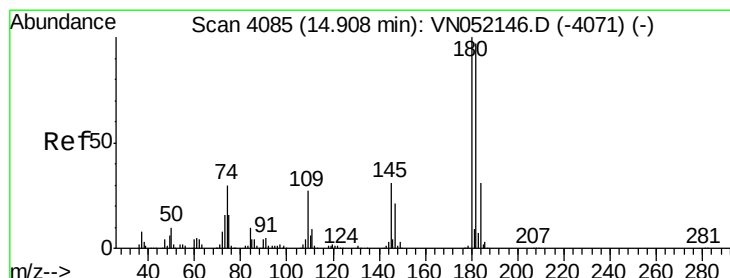
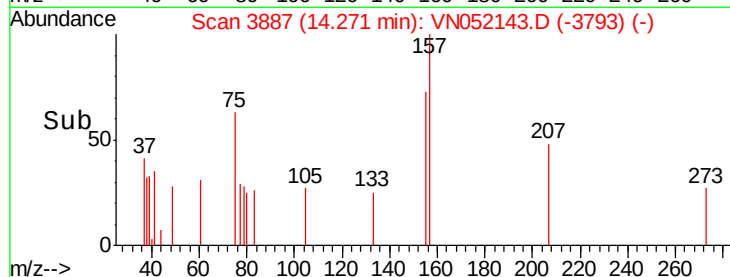
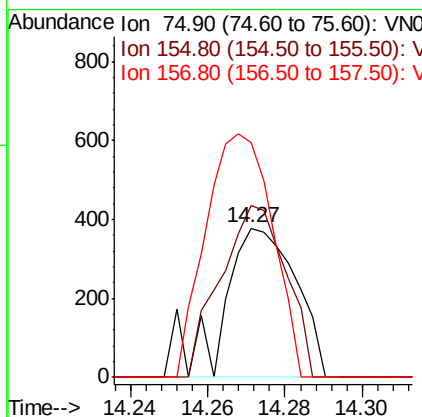
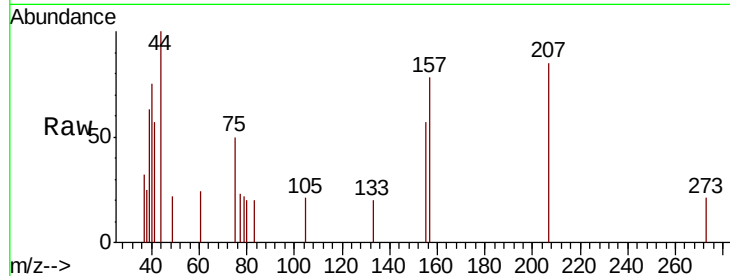
ClientSampled :

VSTDIC001

Tot Ion:	75	Resp:	466
Ion	Ratio	Lower	Upper
75	100		
155	109.7	47.4	142.2
157	158.2	60.3	180.8

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#93

1,2,4-Trichlorobenzene

Concen: 1.278 ug/l

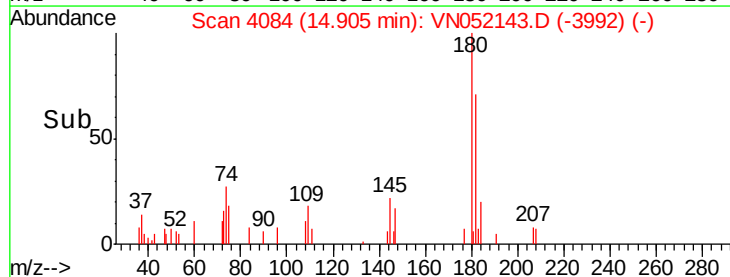
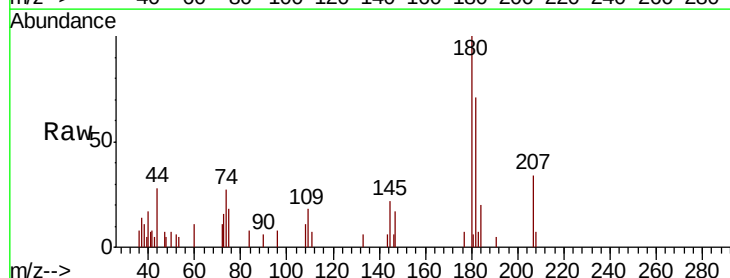
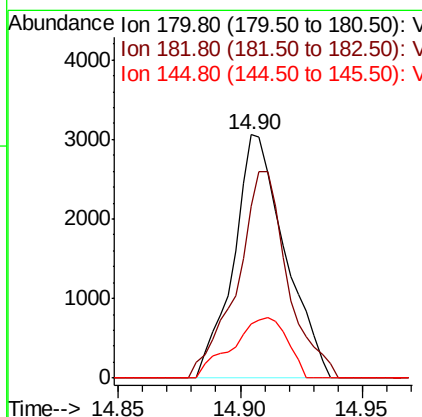
RT: 14.90 min Scan# 4084

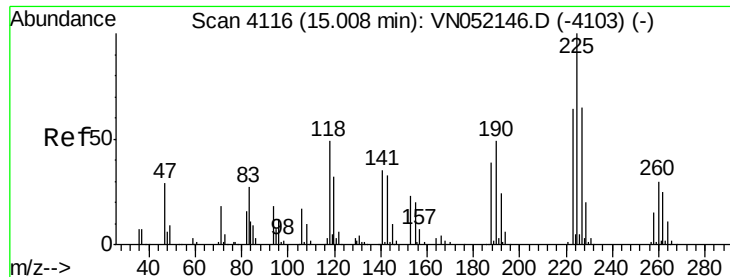
Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Tgt Ion:	180	Resp:	4467
Ion	Ratio	Lower	Upper
180	100		
182	82.9	48.1	144.4
145	26.4	15.3	45.9





#94

Hexachlorobutadiene

Concen: 1.645 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN052143.D

Acq: 5 Nov 2018 12:43

Instrument :

MSVOA_N

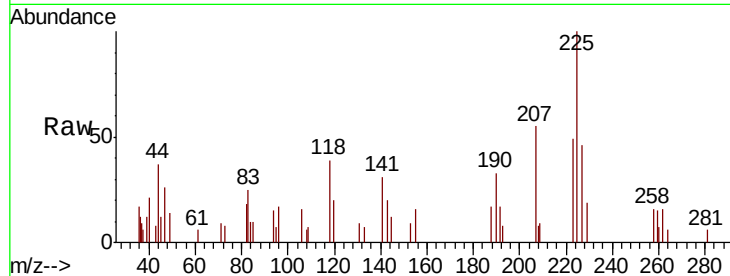
ClientSampleId :

VSTDIC001

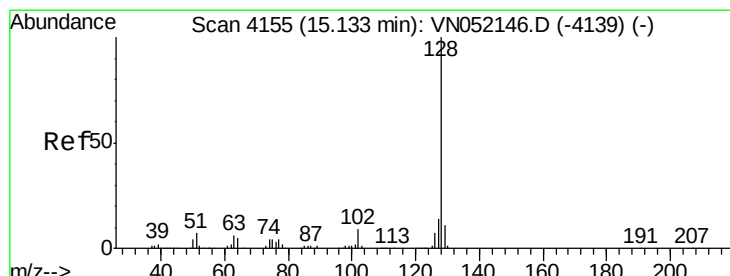
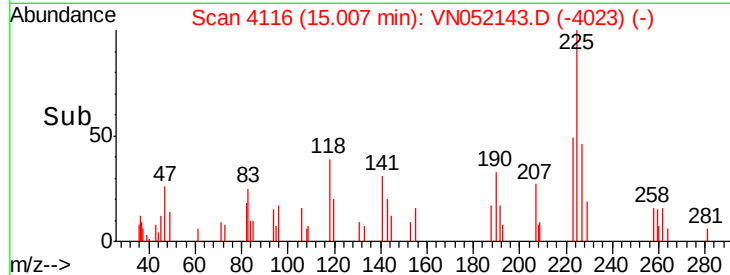
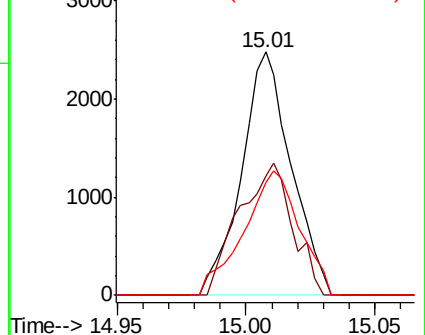
Tot Ion:	225	Resp:	3343
Ion	Ratio	Lower	Upper
225	100		
223	58.4	32.3	96.8
227	57.3	31.6	94.8

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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.106 ug/l

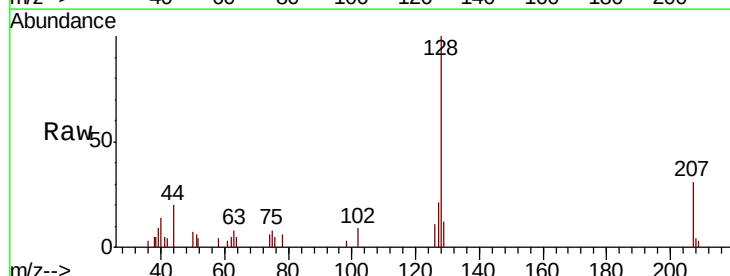
RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

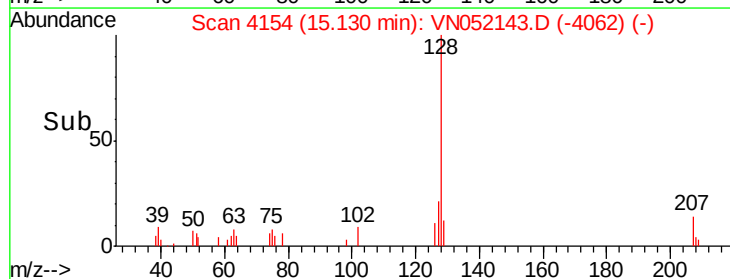
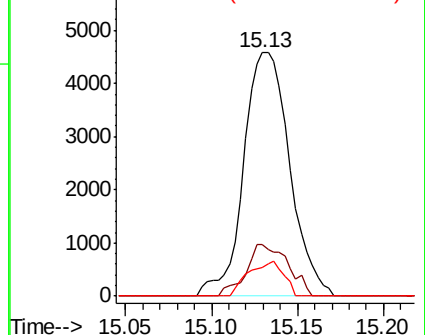
Lab File: VN052143.D

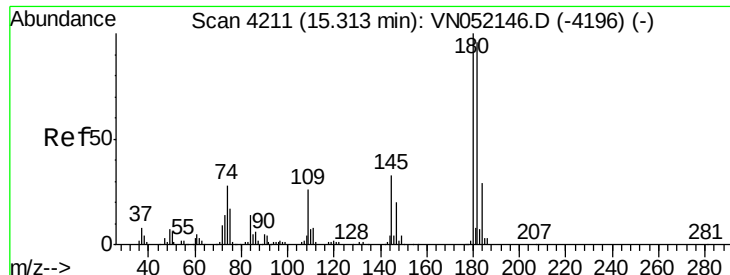
Acq: 5 Nov 2018 12:43

Tgt Ion:	128	Resp:	8518
Ion	Ratio	Lower	Upper
128	100		
127	19.3	10.8	16.2#
129	11.0	9.1	13.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.355 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN052143.D
 Acq: 5 Nov 2018 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.4	46.6	139.7
145	16.5	16.7	50.0

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