

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101718\
 Data File : VN051905.D
 Acq On : 17 Oct 2018 13:43
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 3:29:36 PM

Quant Time: Oct 19 05:02:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 04:38:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	816750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1175767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	952640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	300932	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	4889	0.99	ug/l	96
3) Chloromethane	2.06	50	5134	1.06	ug/l #	88
4) Vinyl Chloride	2.19	62	7685	1.05	ug/l	96
5) Bromomethane	2.57	94	9750	1.40	ug/l	95
6) Chloroethane	2.70	64	5452	1.03	ug/l	93
7) Trichlorofluoromethane	3.02	101	10742	0.96	ug/l	87
8) Diethyl Ether	3.41	74	3111	0.94	ug/l	57
9) 1,1,2-Trichlorotrifluoroet	3.75	101	5935	0.92	ug/l #	77
12) 1,1-Dichloroethene	3.74	96	5512	0.94	ug/l	91
14) Allyl chloride	4.32	41	4752	0.77	ug/l #	62
15) Acrylonitrile	5.00	53	6247m	3.90	ug/l	
16) Acetone	3.82	43	6704	5.00	ug/l	96
17) Carbon Disulfide	4.05	76	16712	1.14	ug/l	98
18) Methyl Acetate	4.34	43	5630m	1.26	ug/l	
19) Methyl tert-butyl Ether	5.05	73	15107	0.89	ug/l #	90
20) Methylene Chloride	4.55	84	7221	1.06	ug/l	91
21) trans-1,2-Dichloroethene	5.05	96	6646	0.98	ug/l	84
22) Diisopropyl ether	5.96	45	12526	0.84	ug/l	92
23) Vinyl Acetate	5.90	43	39868	3.90	ug/l #	91
24) 1,1-Dichloroethane	5.85	63	9903	0.92	ug/l #	93
25) 2-Butanone	6.85	43	7420	3.87	ug/l #	83
26) 2,2-Dichloropropane	6.83	77	8901m	0.88	ug/l	
27) cis-1,2-Dichloroethene	6.84	96	7207	0.92	ug/l	99
28) Bromochloromethane	7.20	49	3990	0.91	ug/l #	87
29) Tetrahydrofuran	7.22	42	5224	4.46	ug/l #	71
30) Chloroform	7.37	83	11767	0.92	ug/l	97
31) Cyclohexane	7.66	56	22579	1.93	ug/l #	58
32) 1,1,1-Trichloroethane	7.57	97	10542	0.88	ug/l #	45
36) 1,1-Dichloropropene	7.79	75	9456	1.04	ug/l	93
37) Ethyl Acetate	6.93	43	2806	0.70	ug/l #	67
38) Carbon Tetrachloride	7.77	117	10020	0.93	ug/l #	87
39) Methylcyclohexane	9.08	83	10362	0.92	ug/l #	91
40) Benzene	8.04	78	23980	0.90	ug/l #	86
41) Methacrylonitrile	7.17	41	1818	0.88	ug/l #	28

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.13	62	7424	0.87	ug/l	84
43) Isopropyl Acetate	8.17	43	5734	0.71	ug/l #	89
44) Trichloroethene	8.84	130	7574	0.91	ug/l	85
45) 1,2-Dichloropropane	9.12	63	5405	0.88	ug/l #	87
46) Dibromomethane	9.21	93	4174	0.89	ug/l	95
47) Bromodichloromethane	9.41	83	8149	0.87	ug/l #	83
48) Methyl methacrylate	9.21	41	2877	0.78	ug/l	93
49) 1,4-Dioxane	9.20	88	1121	16.02	ug/l #	77
51) 4-Methyl-2-Pentanone	9.98	43	16408	3.86	ug/l	99
52) Toluene	10.16	92	14194	0.80	ug/l	89
53) t-1,3-Dichloropropene	10.38	75	6659	0.75	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	7629	0.77	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	4853	0.74	ug/l	92
56) Ethyl methacrylate	10.43	69	5391	0.74	ug/l	96
57) 1,3-Dichloropropane	10.71	76	7989	0.80	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	10957	3.54	ug/l	90
59) 2-Hexanone	10.75	43	10547	3.70	ug/l	92
60) Dibromochloromethane	10.90	129	5206	0.68	ug/l	100
61) 1,2-Dibromoethane	11.00	107	5410	0.79	ug/l	96
64) Tetrachloroethene	10.63	164	7654	1.00	ug/l	91
65) Chlorobenzene	11.43	112	18048	0.95	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	5911	0.83	ug/l #	66
67) Ethyl Benzene	11.51	91	28899	0.93	ug/l	96
68) m/p-Xylenes	11.62	106	21343	1.70	ug/l	93
69) o-Xylene	11.95	106	10029	0.82	ug/l	93
70) Styrene	11.97	104	14352	0.76	ug/l	96
71) Bromoform	12.12	173	2491	0.56	ug/l #	80
73) Isopropylbenzene	12.25	105	27740	1.19	ug/l	98
74) N-amyl acetate	12.08	43	4030	1.01	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	12.50	83	5199	1.10	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	4022m	1.06	ug/l	
77) Bromobenzene	12.53	156	6781	1.14	ug/l	94
78) n-propylbenzene	12.59	91	26375	1.09	ug/l	100
79) 2-Chlorotoluene	12.67	91	18532	1.26	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	20804	1.10	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	607	0.60	ug/l #	67
82) 4-Chlorotoluene	12.77	91	15768	1.11	ug/l	97
83) tert-Butylbenzene	12.99	119	21236	1.20	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	18536	1.00	ug/l	98
85) sec-Butylbenzene	13.17	105	24538	1.09	ug/l	99
86) p-Isopropyltoluene	13.29	119	18279	0.94	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	9891	0.99	ug/l	93
88) 1,4-Dichlorobenzene	13.36	146	10218m	1.04	ug/l	
89) n-Butylbenzene	13.62	91	10913	0.77	ug/l	95
90) Hexachloroethane	13.88	117	3213	0.99	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	9153	0.95	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.27	75	517	0.82	ug/l	86
93) 1,2,4-Trichlorobenzene	14.91	180	3860	0.92	ug/l	93
94) Hexachlorobutadiene	15.01	225	3073	1.00	ug/l	87
95) Naphthalene	15.13	128	7202	0.86	ug/l	96

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VSTDICC001

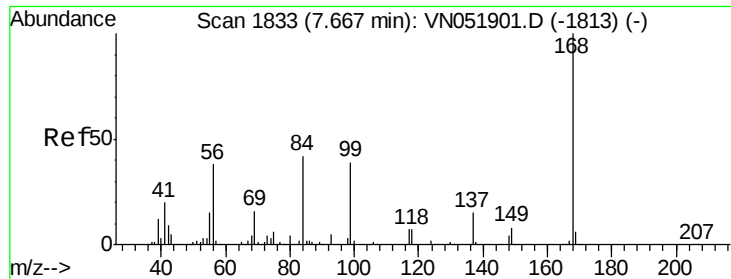
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	3705	0.89	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 168 Resp: 816750

Ion Ratio Lower Upper

168 100

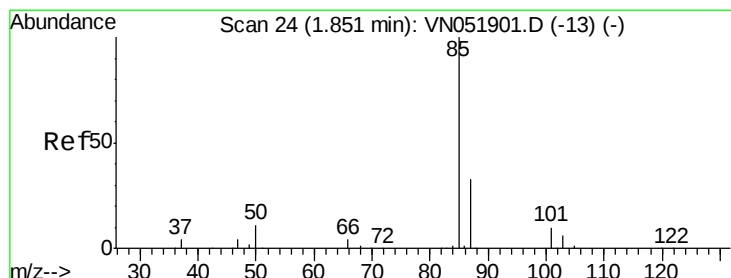
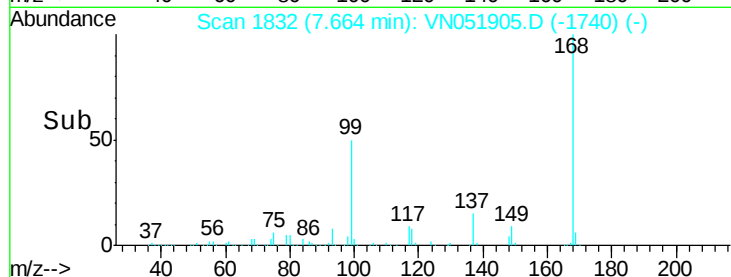
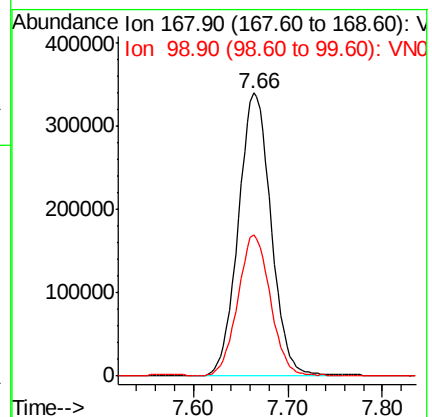
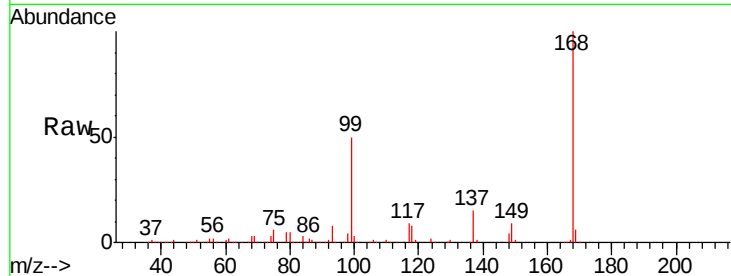
99 49.6 39.2 58.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 0.99 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051905.D

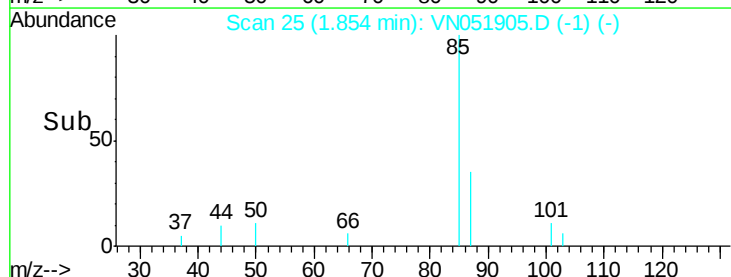
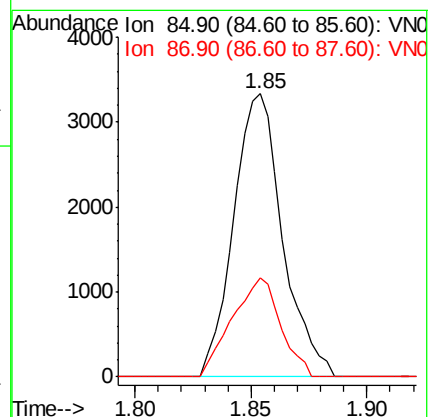
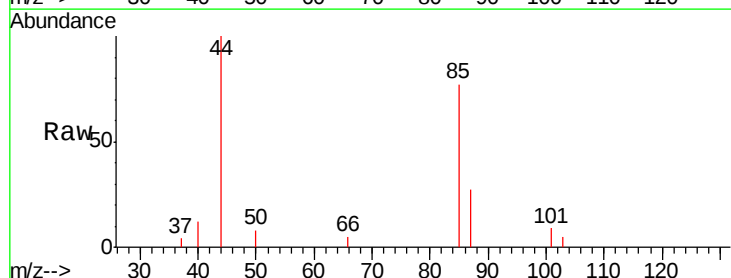
Acq: 17 Oct 2018 13:43

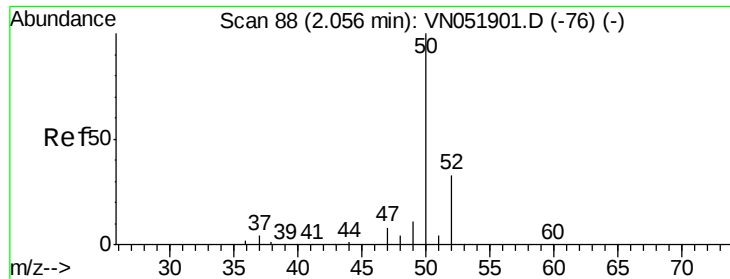
Tgt Ion: 85 Resp: 4889

Ion Ratio Lower Upper

85 100

87 35.2 16.4 49.2





#3

Chloromethane

Concen: 1.06 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 50 Resp: 5134

Ion Ratio Lower Upper

50 100

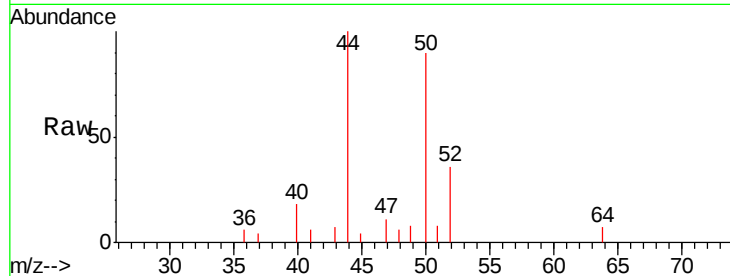
52 39.6 26.3 39.5#

Manual Integrations

APPROVED

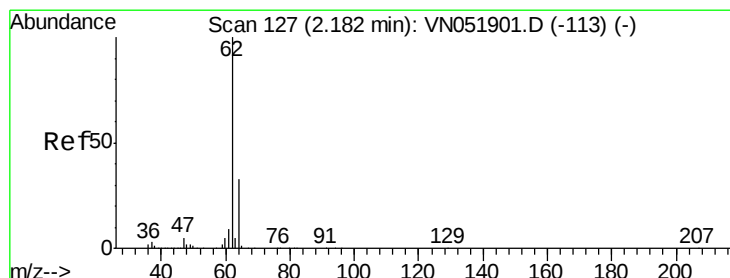
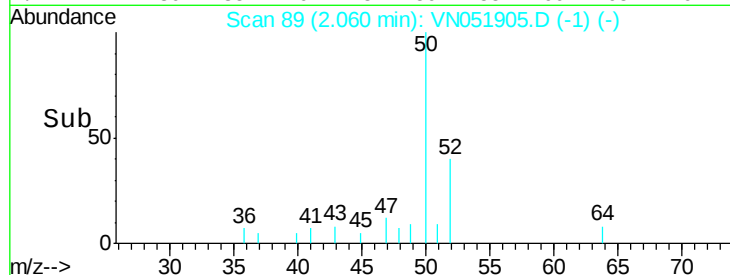
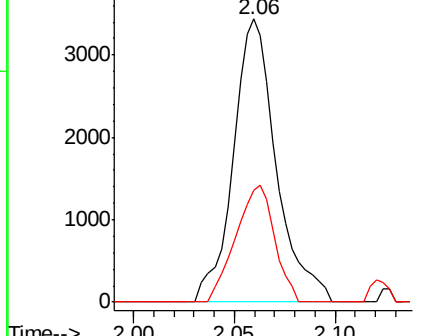
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Abundance Ion 49.90 (49.60 to 50.60): VN051905.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN051905.D (-1) (-)



#4

Vinyl Chloride

Concen: 1.05 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051905.D

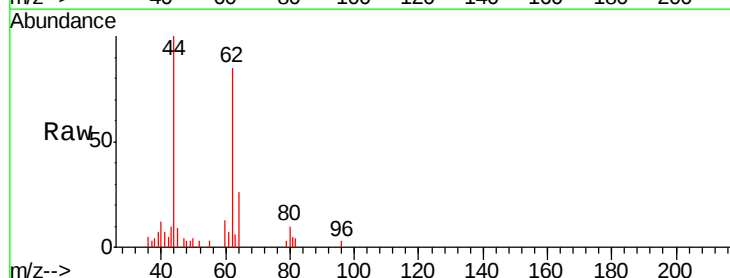
Acq: 17 Oct 2018 13:43

Tgt Ion: 62 Resp: 7685

Ion Ratio Lower Upper

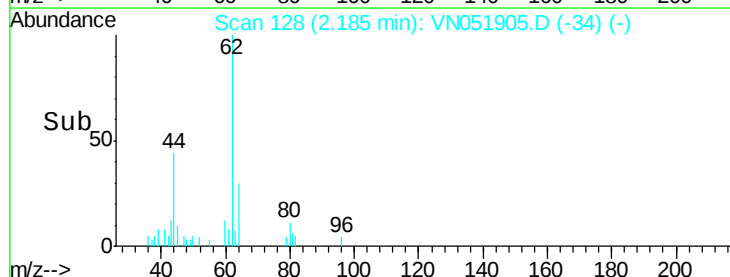
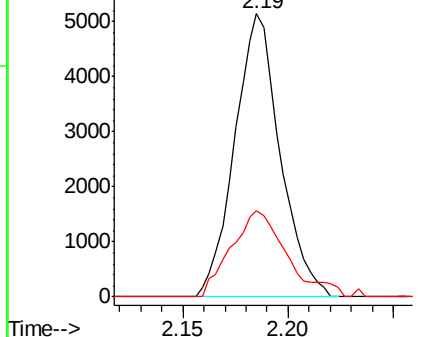
62 100

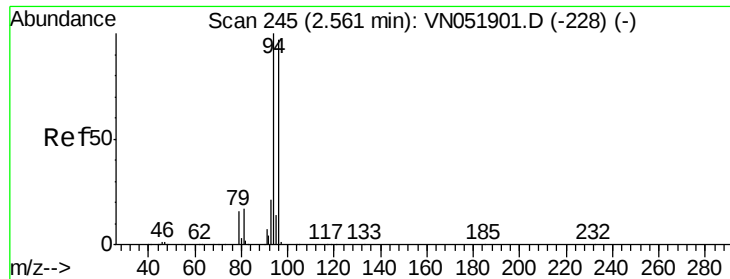
64 30.3 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN051905.D (-34) (-)

Ion 63.90 (63.60 to 64.60): VN051905.D (-34) (-)





#5

Bromomethane

Concen: 1.40 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 94 Resp: 9750

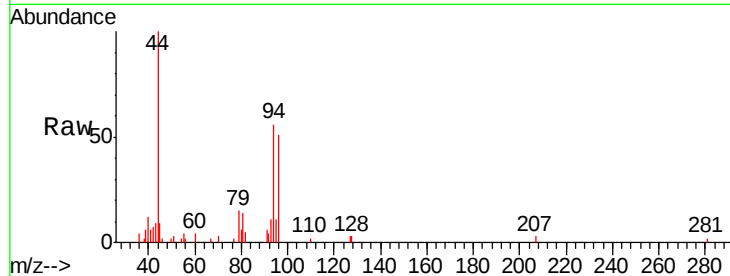
Ion Ratio Lower Upper

94 100

96 91.8 77.5 116.3

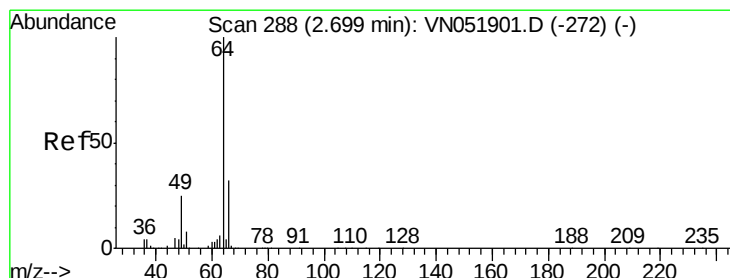
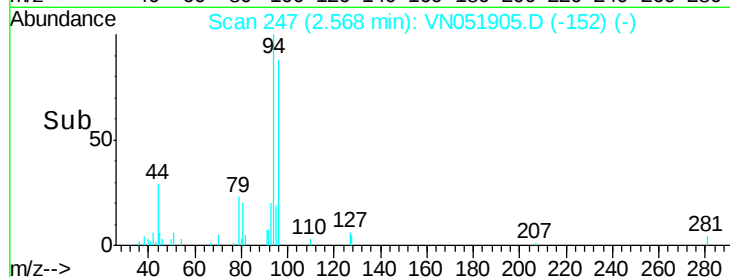
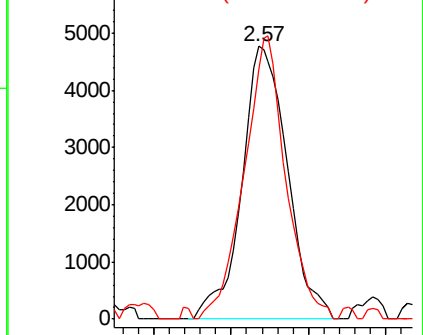
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Abundance Ion 93.90 (93.60 to 94.60): VN051905.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN051905.D (-152) (-)



#6

Chloroethane

Concen: 1.03 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051905.D

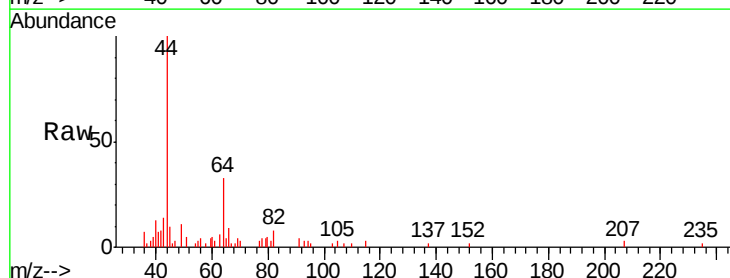
Acq: 17 Oct 2018 13:43

Tgt Ion: 64 Resp: 5452

Ion Ratio Lower Upper

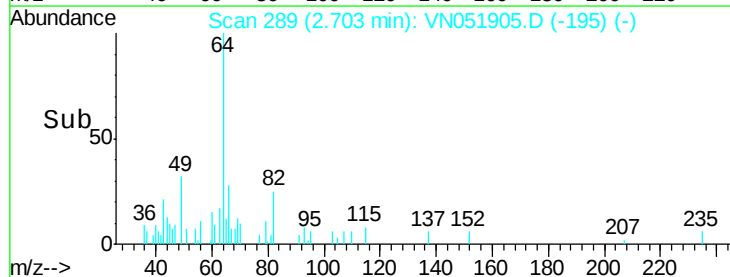
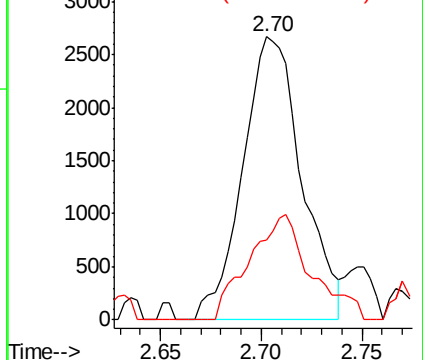
64 100

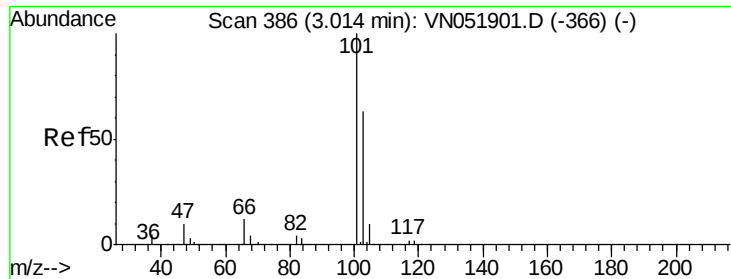
66 28.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN051905.D (-195) (-)

Ion 65.90 (65.60 to 66.60): VN051905.D (-195) (-)





#7

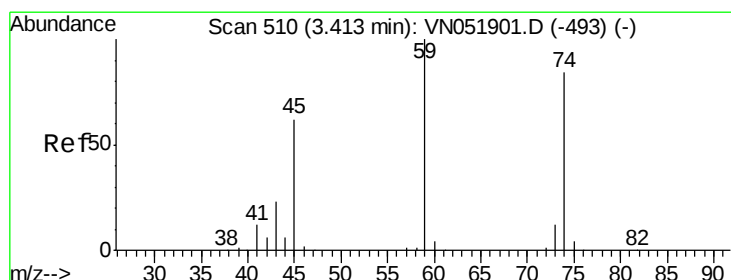
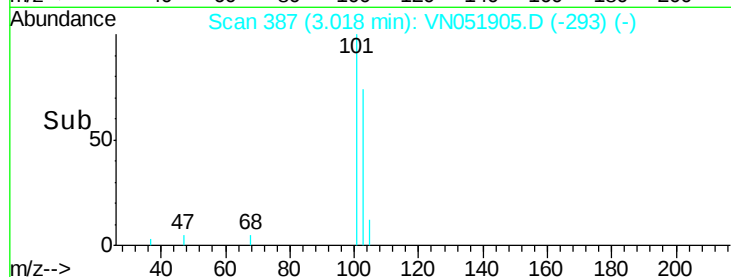
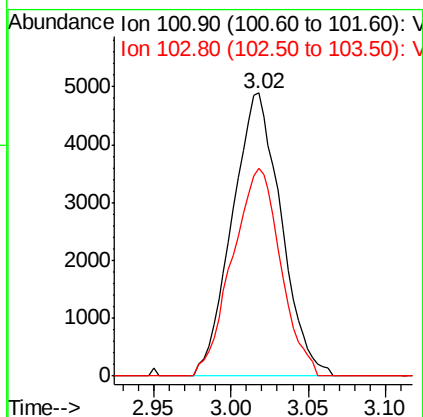
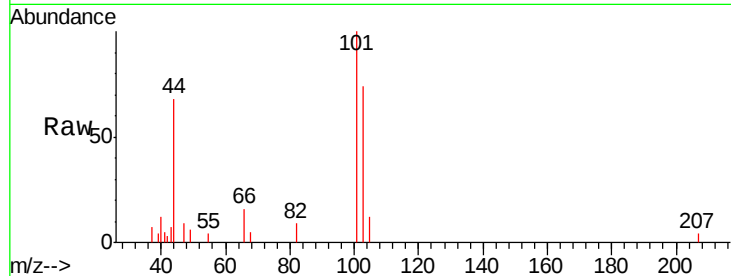
Trichlorofluoromethane
Concen: 0.96 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 101 Resp: 10742
Ion Ratio Lower Upper
101 100
103 73.7 50.8 76.2

Manual Integrations
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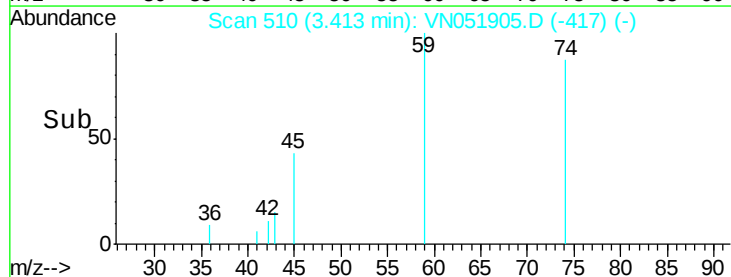
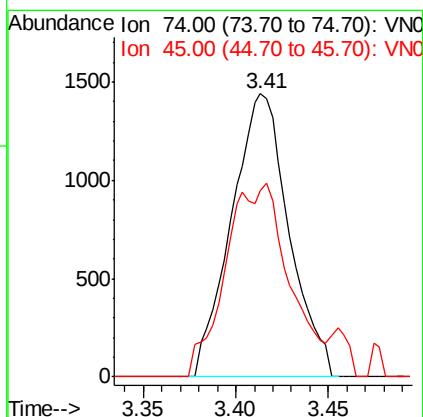
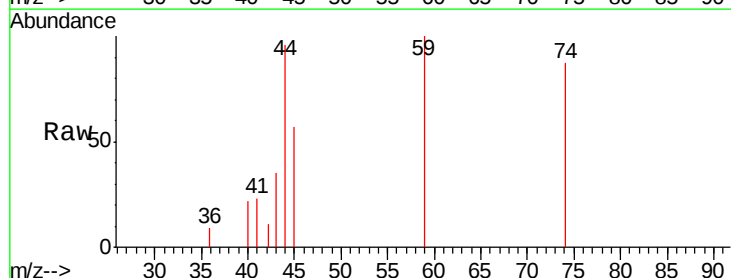
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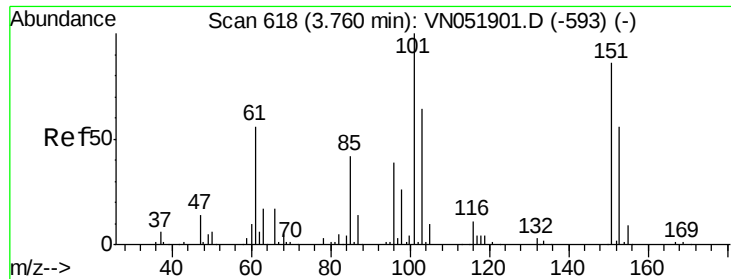


#8

Diethyl Ether
Concen: 0.94 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Tgt Ion: 74 Resp: 3111
Ion Ratio Lower Upper
74 100
45 37.4 36.8 110.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.92 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.01 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

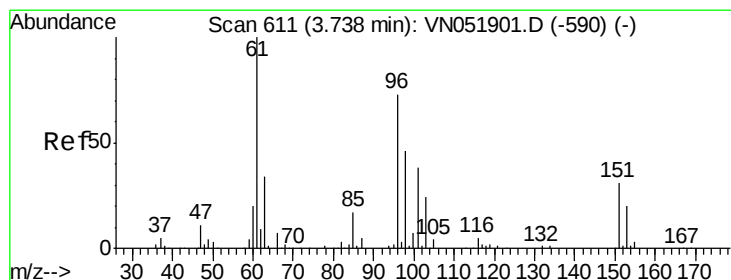
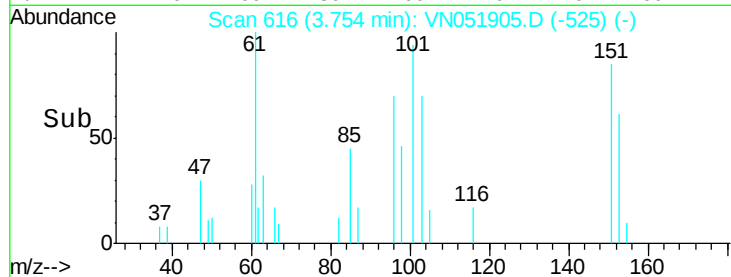
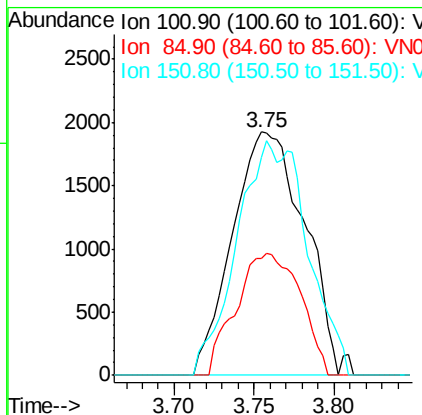
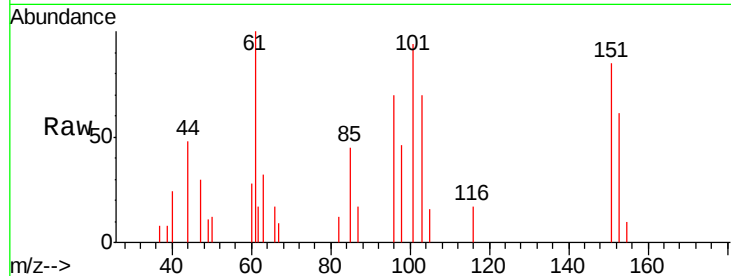
ClientSampleId :

VSTDIC001

Tgt Ion:	101	Resp:	5935
Ion	Ratio	Lower	Upper
101	100		
85	44.9	34.8	52.2
151	54.1	68.0	102.0#

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#12

1,1-Dichloroethene

Concen: 0.94 ug/l

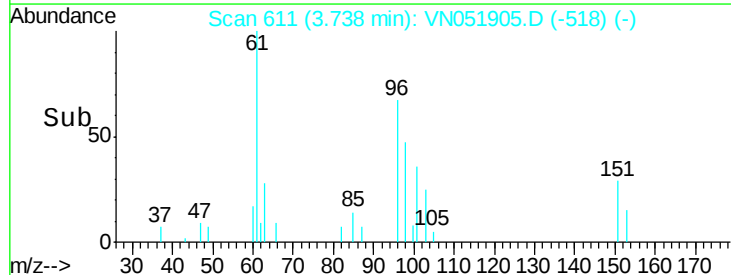
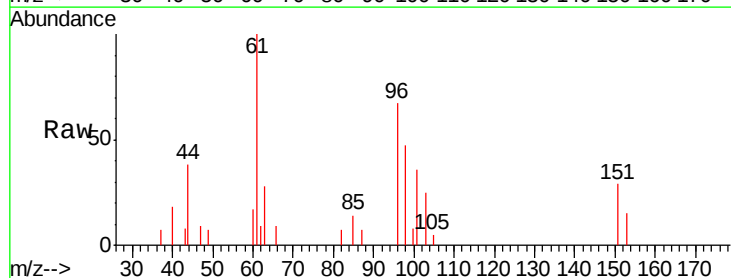
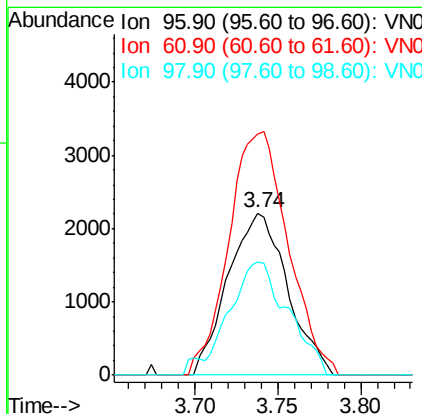
RT: 3.74 min Scan# 611

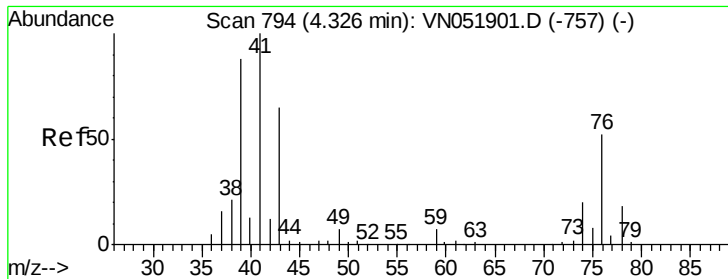
Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Tgt Ion:	96	Resp:	5512
Ion	Ratio	Lower	Upper
96	100		
61	149.4	109.8	164.6
98	69.5	50.9	76.3





#14

Allyl chloride

Concen: 0.77 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

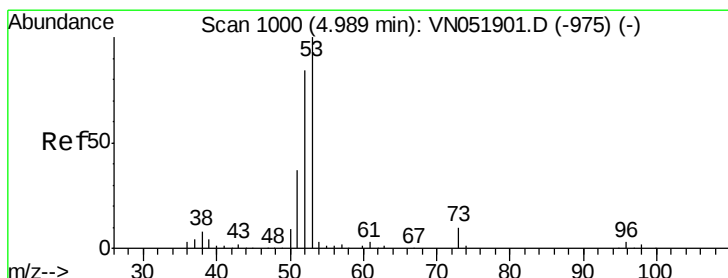
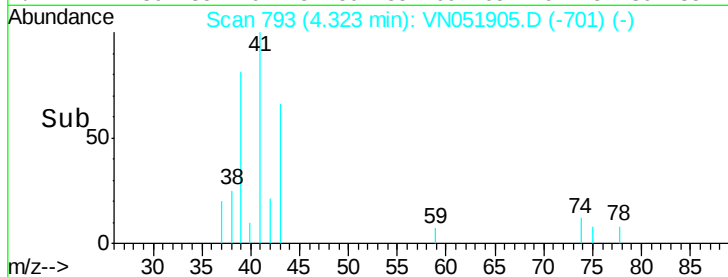
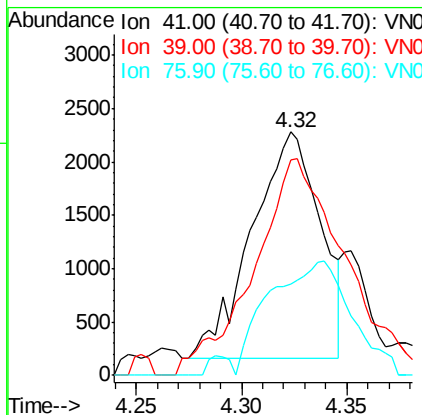
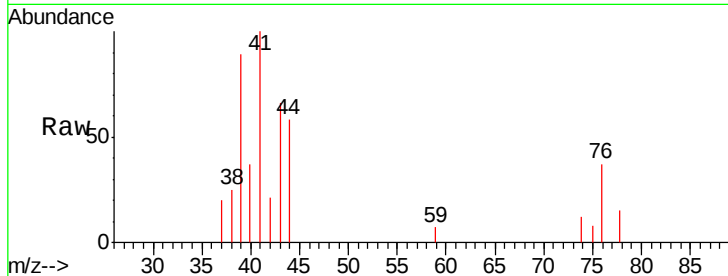
ClientSampleId :

VSTDIC001

Tgt Ion:	41	Resp:	4752
Ion Ratio	Lower	Upper	
41	100		
39	127.3	65.4	98.0#
76	61.3	39.6	59.4#

Manual Integrations
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#15

Acrylonitrile

Concen: 3.90 ug/l m

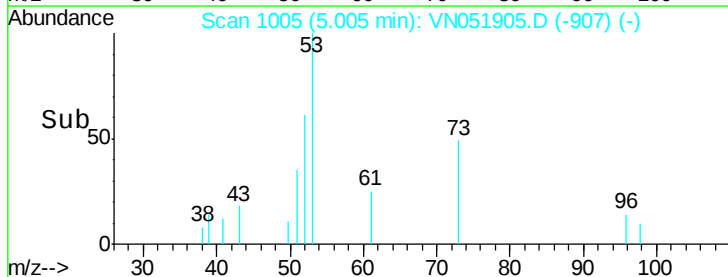
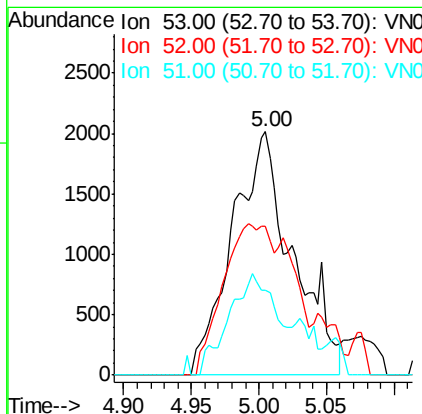
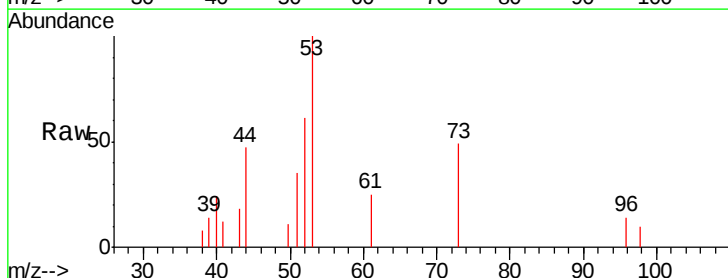
RT: 5.00 min Scan# 1005

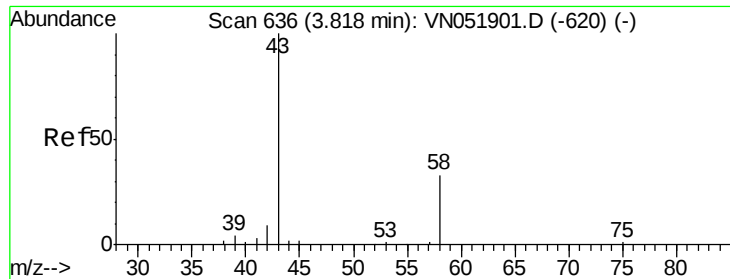
Delta R.T. 0.02 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Tgt Ion:	53	Resp:	6247
Ion Ratio	Lower	Upper	
53	100		
52	49.8	65.8	98.8#
51	33.5	29.4	44.2





#16

Acetone

Concen: 5.00 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 6704

Ion Ratio Lower Upper

43 100

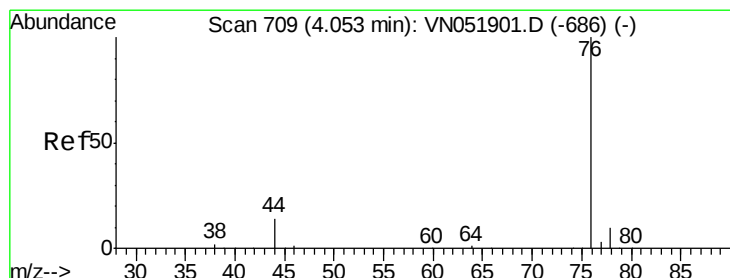
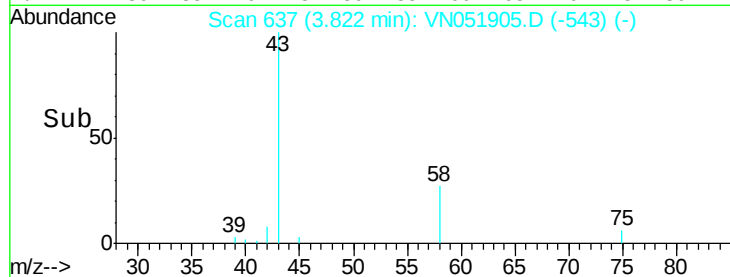
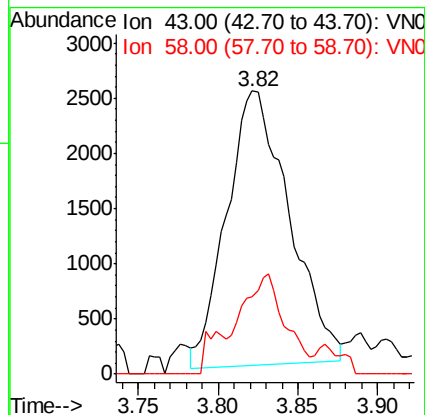
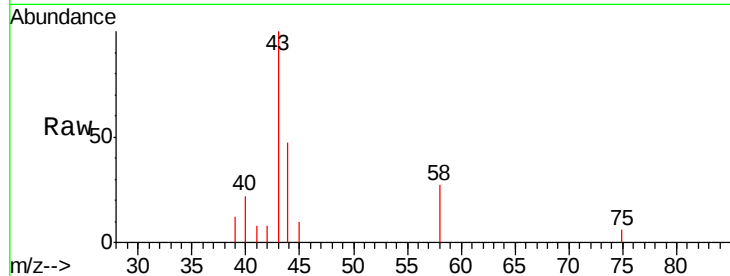
58 30.0 25.9 38.9

Manual Integrations

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#17

Carbon Disulfide

Concen: 1.14 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051905.D

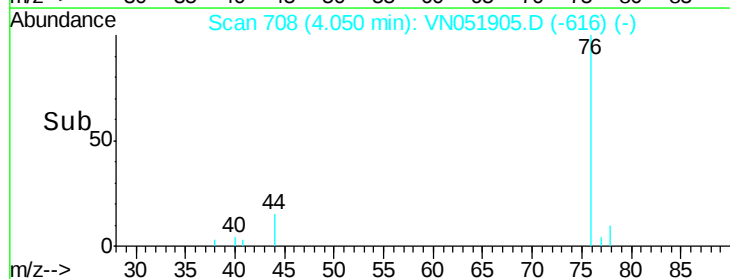
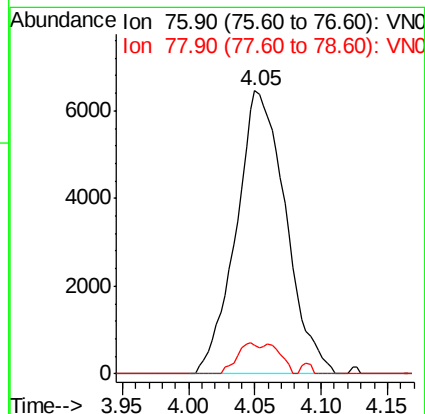
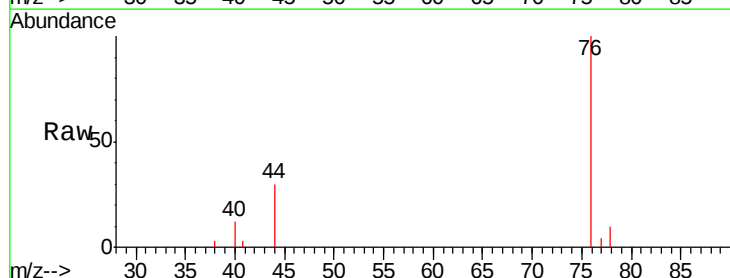
Acq: 17 Oct 2018 13:43

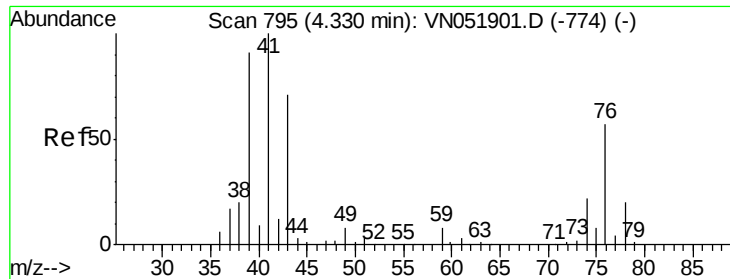
Tgt Ion: 76 Resp: 16712

Ion Ratio Lower Upper

76 100

78 10.1 7.6 11.4





#18

Methyl Acetate

Concen: 1.26 ug/l m

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 5630

Ion Ratio Lower Upper

43 100

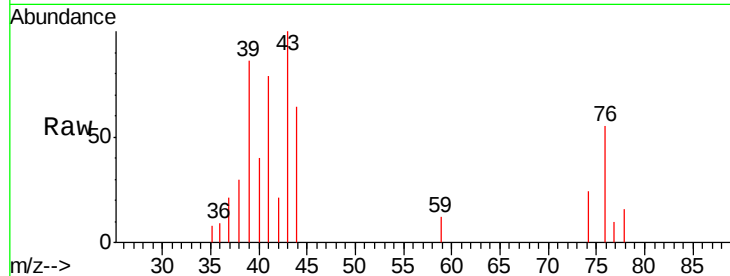
74 0.0 24.9 37.3#

Manual Integrations

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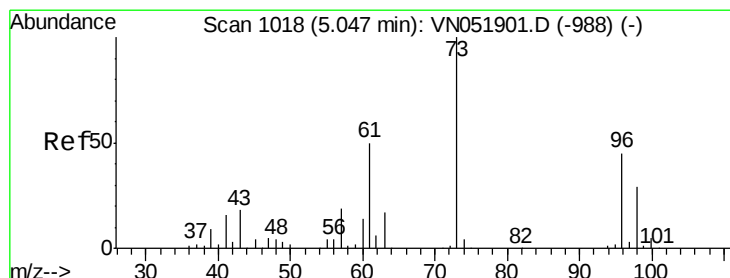
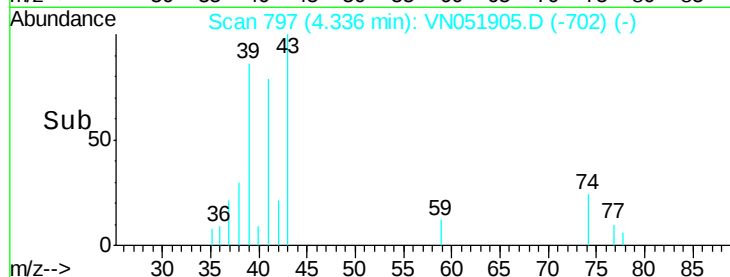
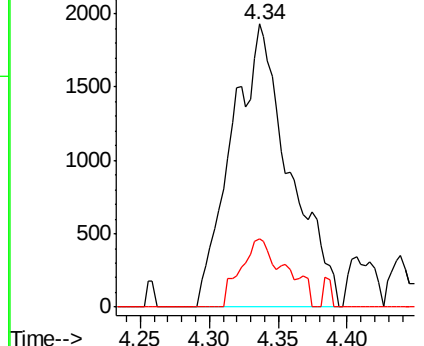
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Abundance Ion 43.00 (42.70 to 43.70): VN051905.D (-702) (-)

Ion 74.00 (73.70 to 74.70): VN051905.D (-702) (-)



#19

Methyl tert-butyl Ether

Concen: 0.89 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051905.D

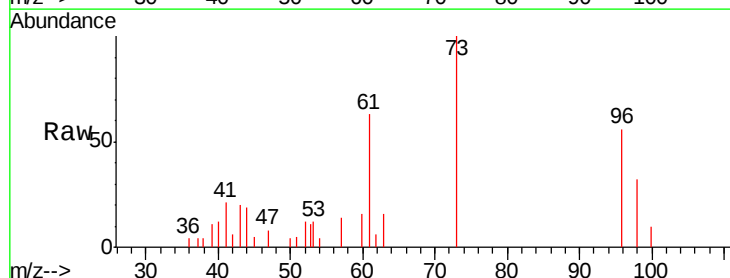
Acq: 17 Oct 2018 13:43

Tgt Ion: 73 Resp: 15107

Ion Ratio Lower Upper

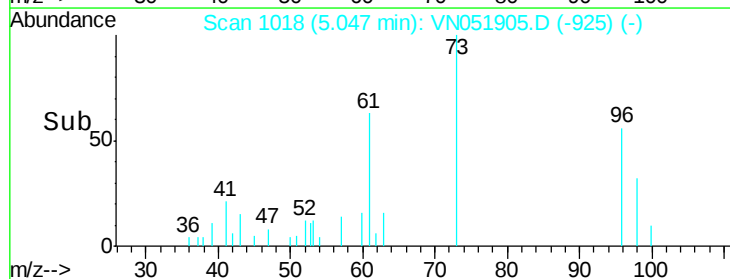
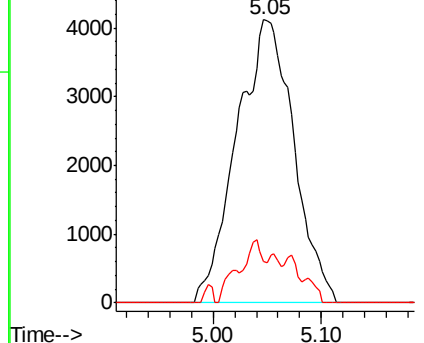
73 100

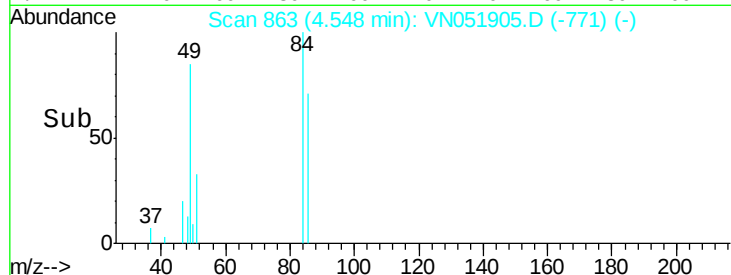
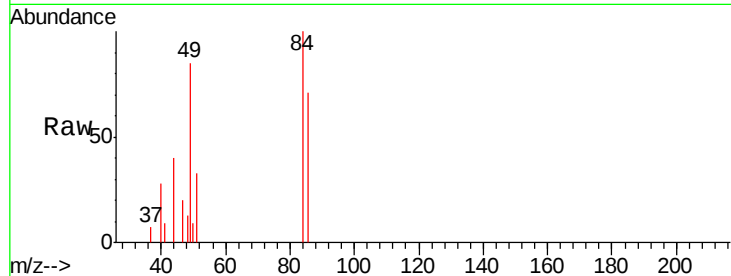
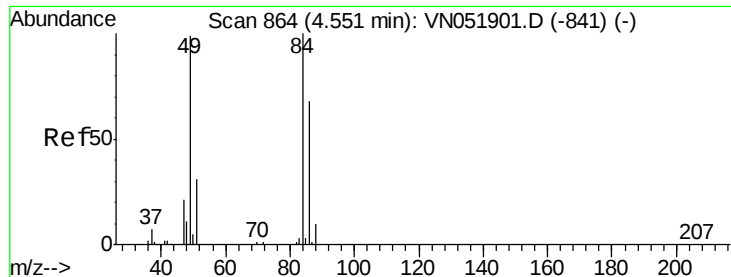
57 14.5 15.3 22.9#



Abundance Ion 73.00 (72.70 to 73.70): VN051905.D (-925) (-)

Ion 57.00 (56.70 to 57.70): VN051905.D (-925) (-)





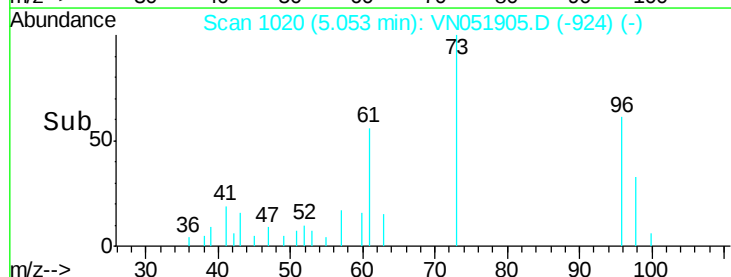
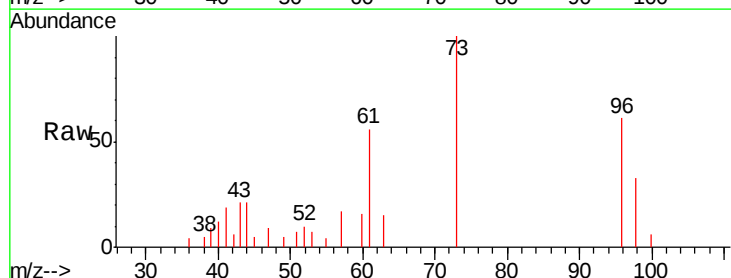
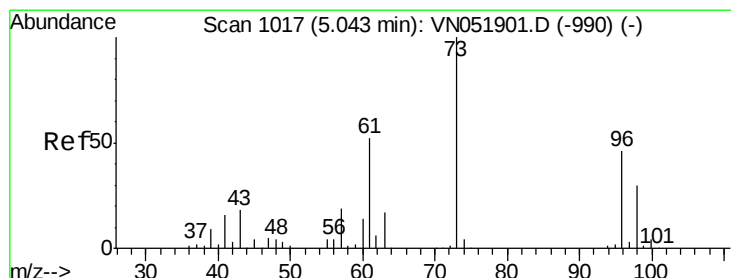
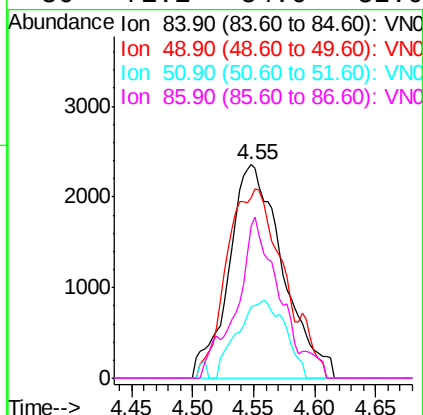
#20
Methylene Chloride
Concen: 1.06 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Tgt Ion:	84	Resp:	7221
Ion	Ratio	Lower	Upper
84	100		
49	84.6	79.0	118.4
51	33.5	24.9	37.3
86	71.1	54.6	82.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

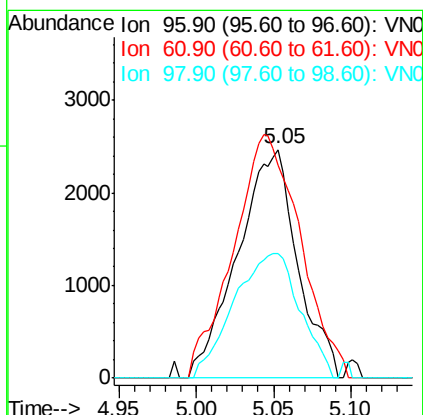
Manual Integrations
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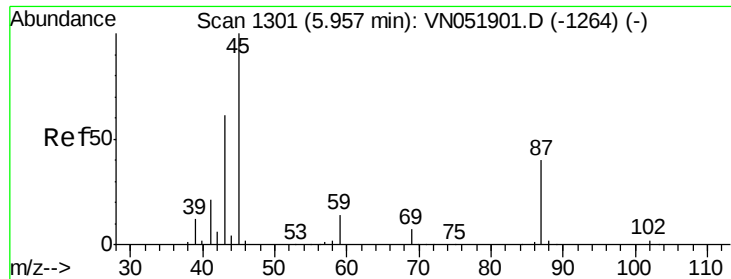
MMDadoda
10/19/2018 3:29:36 PM



#21
trans-1,2-Dichloroethene
Concen: 0.98 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Tgt Ion:	96	Resp:	6646
Ion	Ratio	Lower	Upper
96	100		
61	93.0	89.8	134.6
98	54.5	51.7	77.5





#22

Diisopropyl ether

Concen: 0.84 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

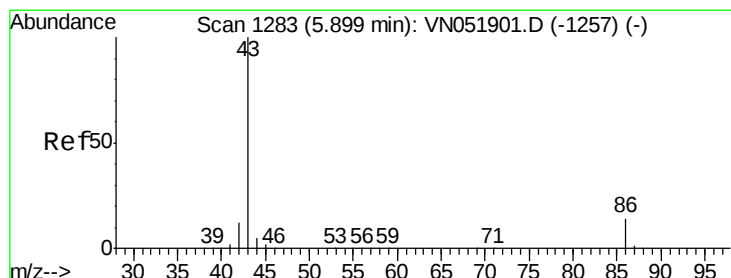
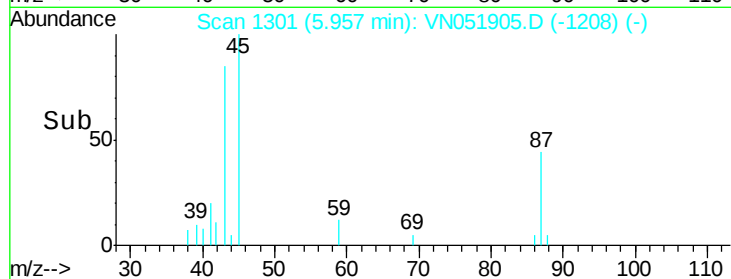
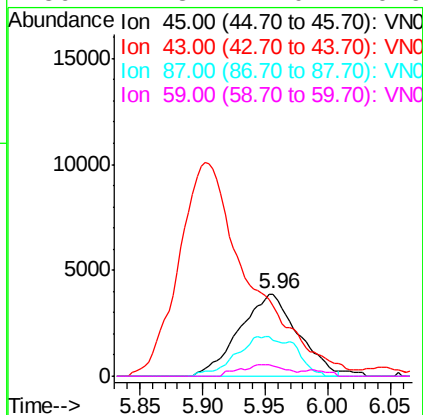
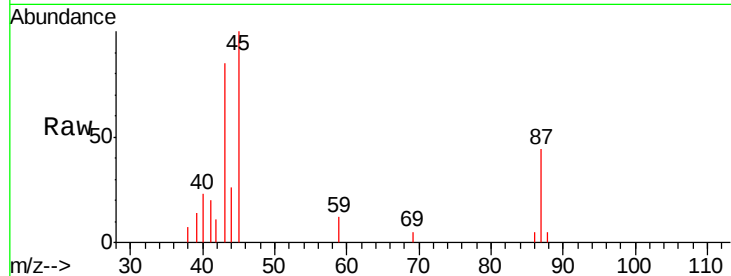
ClientSampleId :

VSTDIC001

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.1	48.9	73.3
87	43.9	32.6	48.8
59	12.3	11.0	16.6

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#23

Vinyl Acetate

Concen: 3.90 ug/l

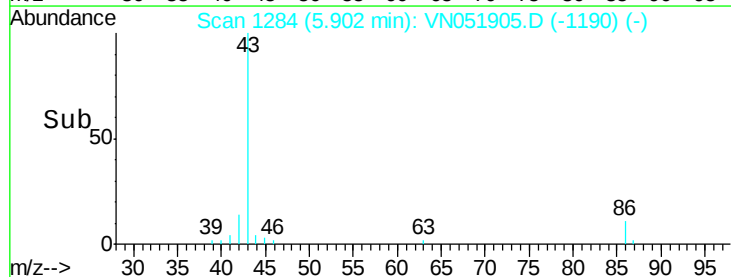
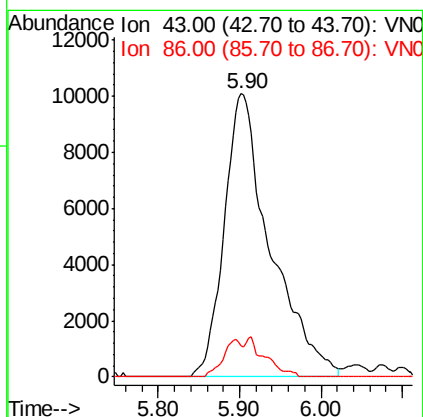
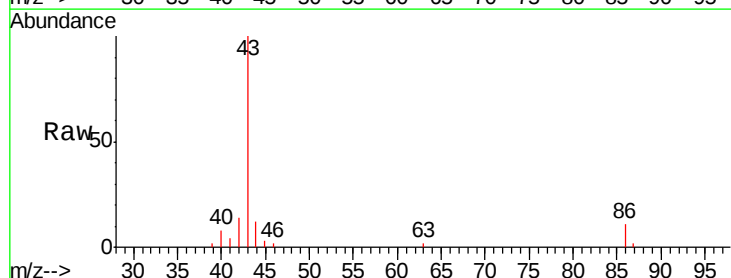
RT: 5.90 min Scan# 1284

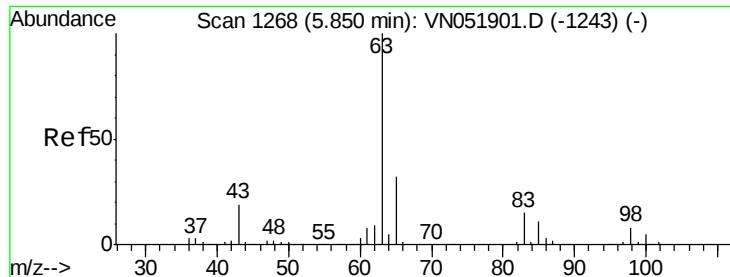
Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.8	11.5	17.3#





#24

1,1-Dichloroethane

Concen: 0.92 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

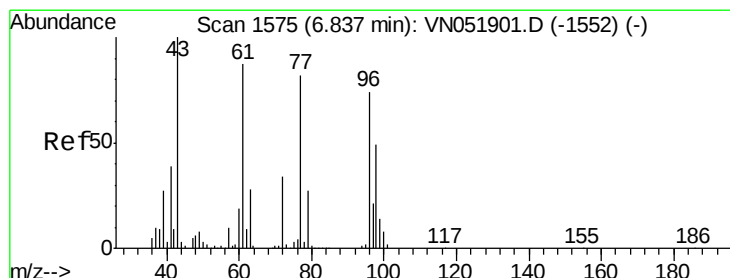
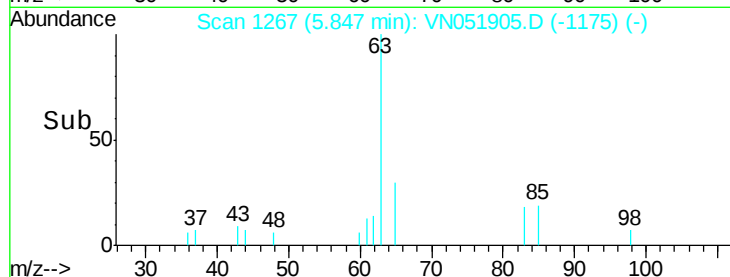
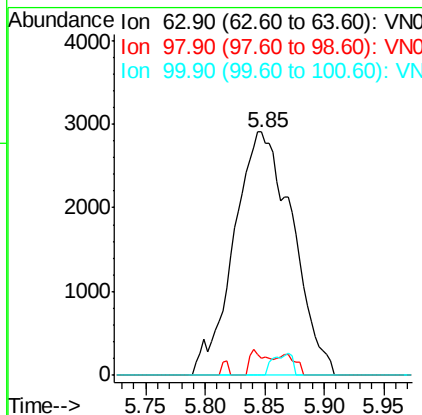
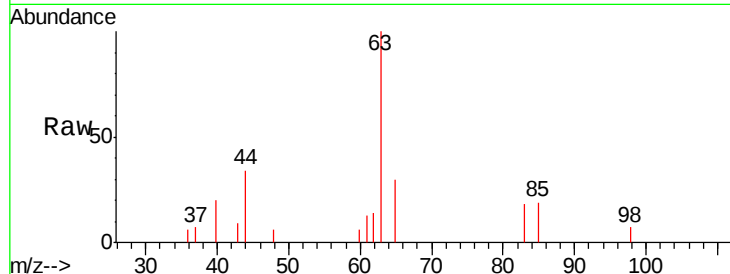
ClientSampleId :

VSTDIC001

Tgt Ion:	63	Resp:	9903
Ion	Ratio	Lower	Upper
63	100		
98	7.1	4.0	12.0
100	0.0	2.4	7.1#

Manual Integrations
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#25

2-Butanone

Concen: 3.87 ug/l

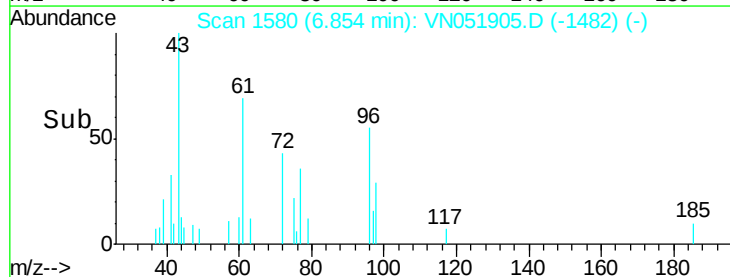
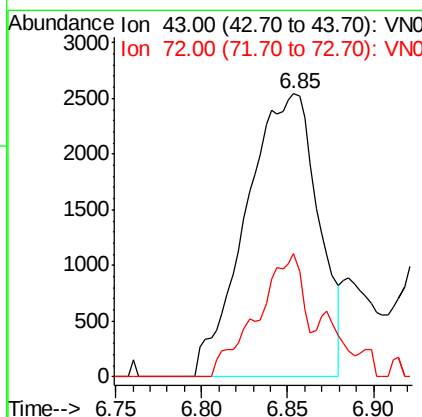
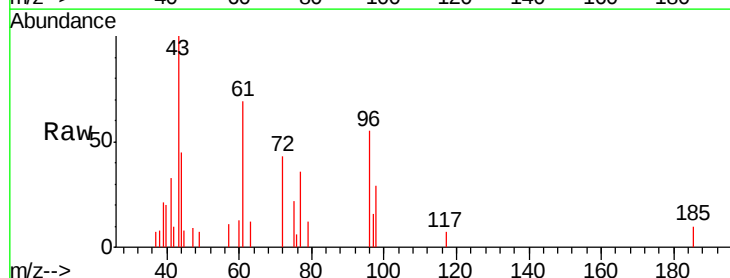
RT: 6.85 min Scan# 1580

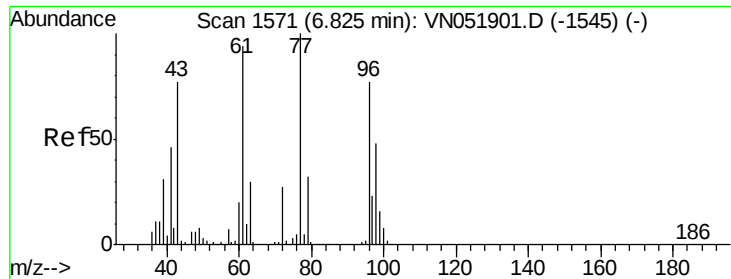
Delta R.T. 0.02 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Tgt Ion:	43	Resp:	7420
Ion	Ratio	Lower	Upper
43	100		
72	43.4	27.0	40.6#





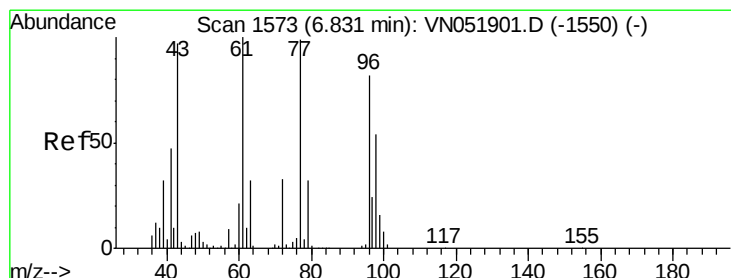
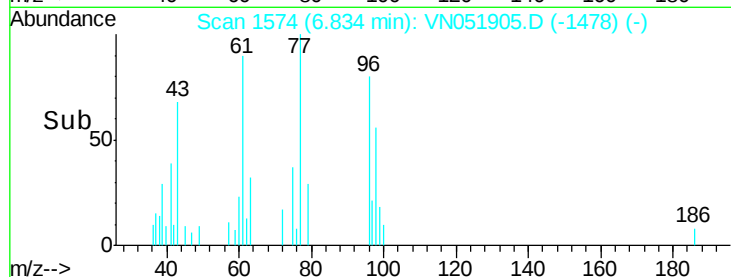
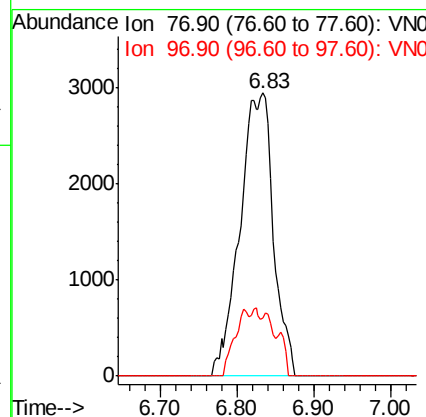
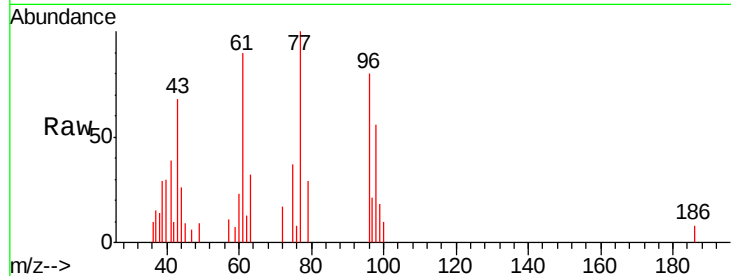
#26
 2,2-Dichloropropane
 Concen: 0.88 ug/l m
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion: 77 Resp: 8901
 Ion Ratio Lower Upper
 77 100
 97 10.0 12.0 36.1#

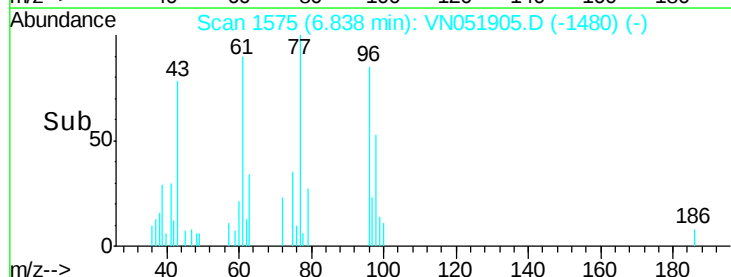
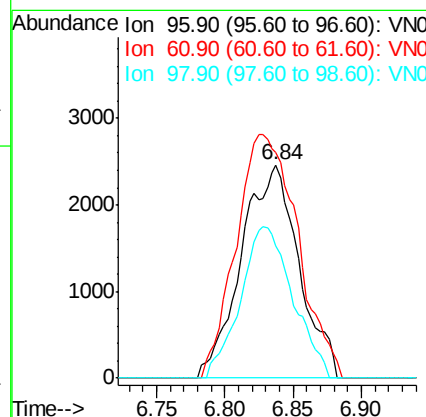
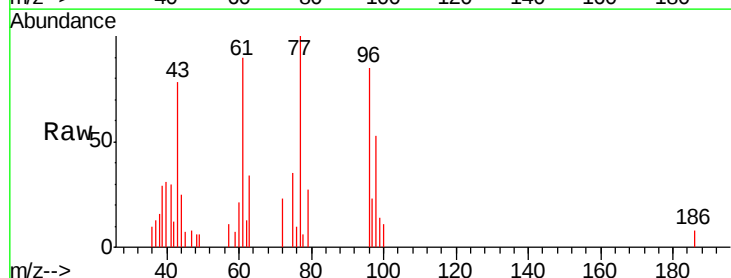
Manual Integrations
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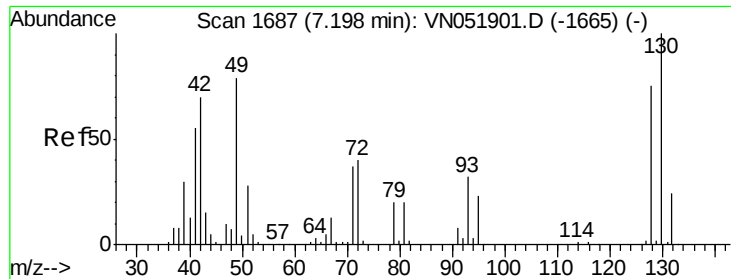
MMDadoda
 10/19/2018 3:29:36 PM



#27
 cis-1,2-Dichloroethene
 Concen: 0.92 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Tgt Ion: 96 Resp: 7207
 Ion Ratio Lower Upper
 96 100
 61 122.0 0.0 240.2
 98 64.4 0.0 129.8





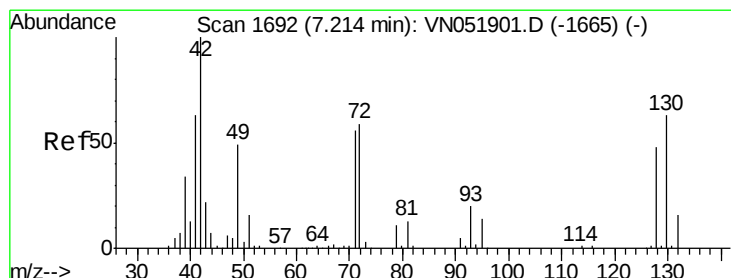
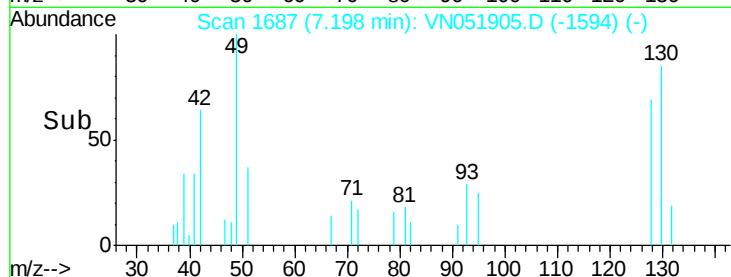
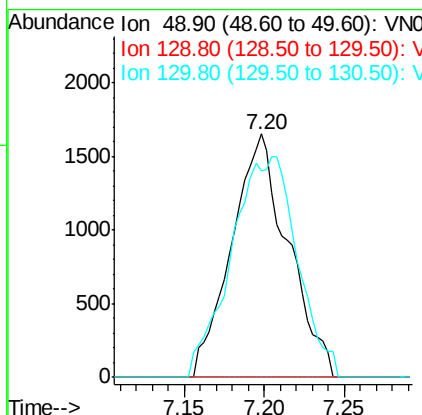
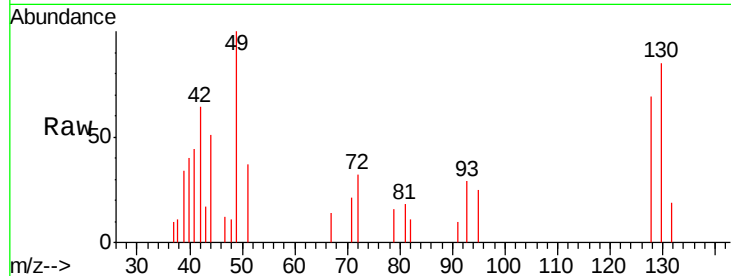
#28
Bromochloromethane
Concen: 0.91 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 49 Resp: 3990
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 106.1 96.7 145.1

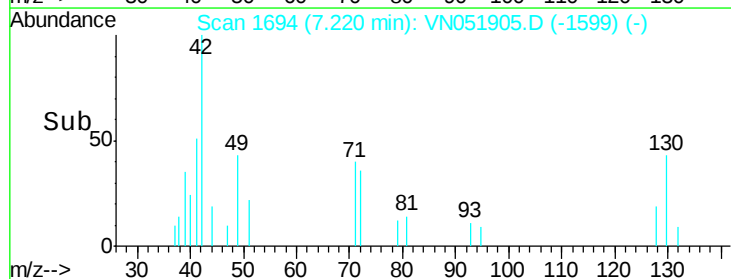
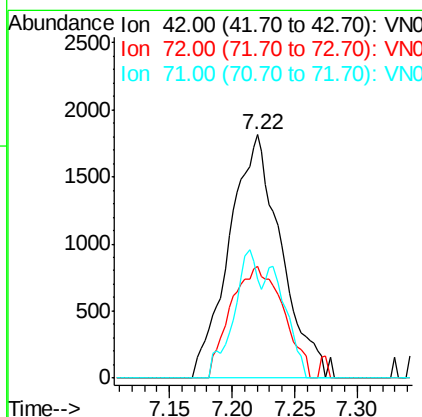
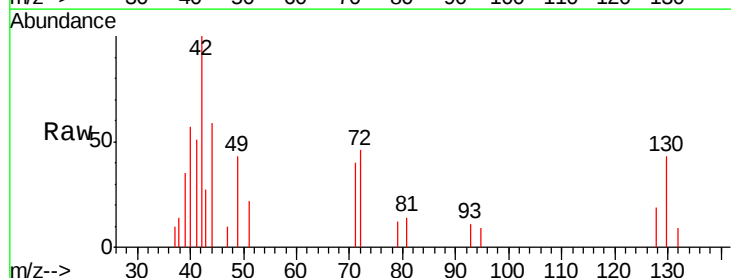
Manual Integrations
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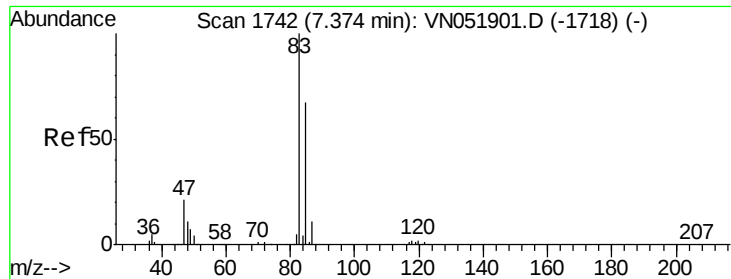
MMDadoda
10/19/2018 3:29:36 PM



#29
Tetrahydrofuran
Concen: 4.46 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Tgt Ion: 42 Resp: 5224
Ion Ratio Lower Upper
42 100
72 46.2 47.7 71.5#
71 26.1 45.4 68.0#





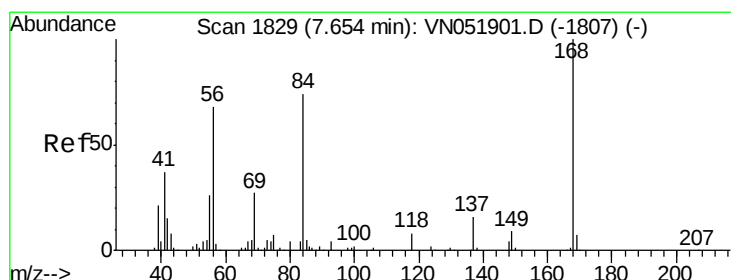
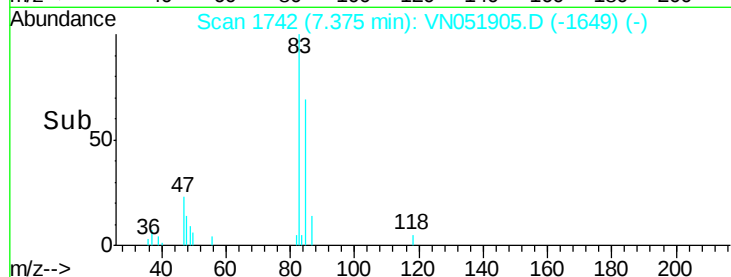
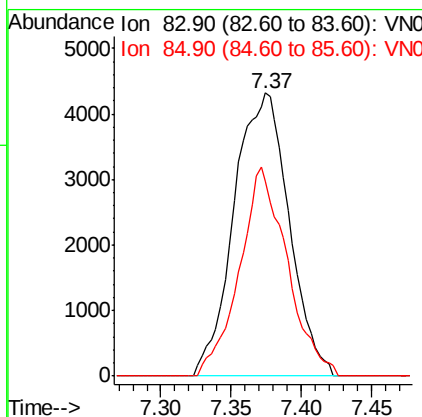
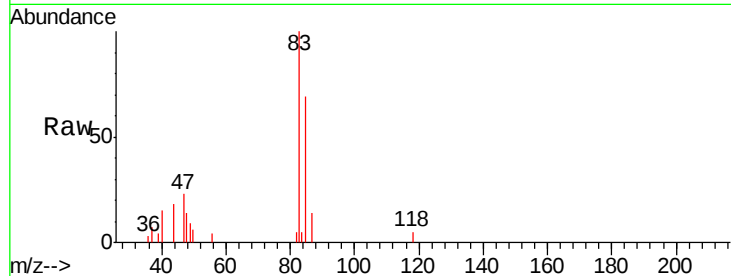
#30
Chloroform
Concen: 0.92 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.9	53.4	80.2

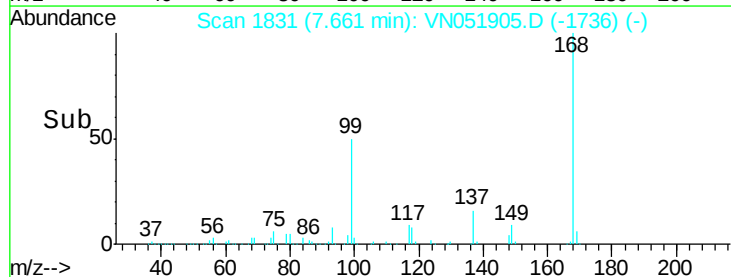
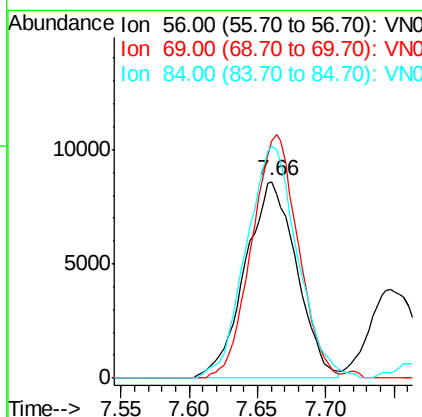
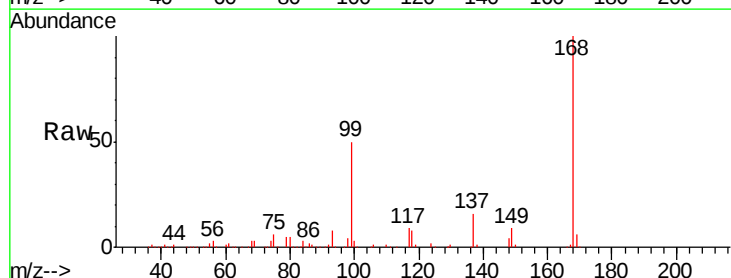
Manual Integrations
APPROVED

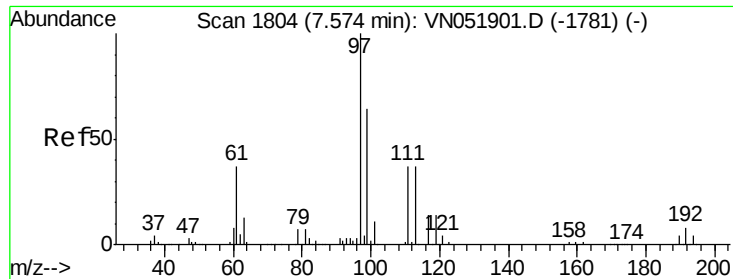
MMDadoda
10/19/2018 3:29:36 PM



#31
Cyclohexane
Concen: 1.93 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Tgt Ion	Ratio	Lower	Upper
56	100		
69	120.6	31.2	46.8#
84	118.2	86.6	130.0





#32

1,1,1-Trichloroethane

Concen: 0.88 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 10542

Ion Ratio Lower Upper

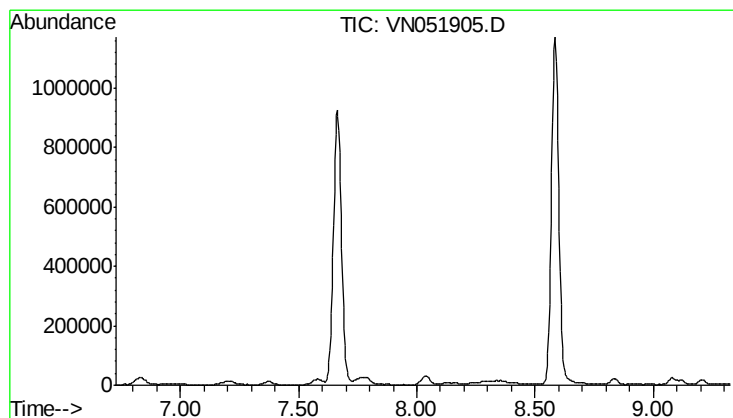
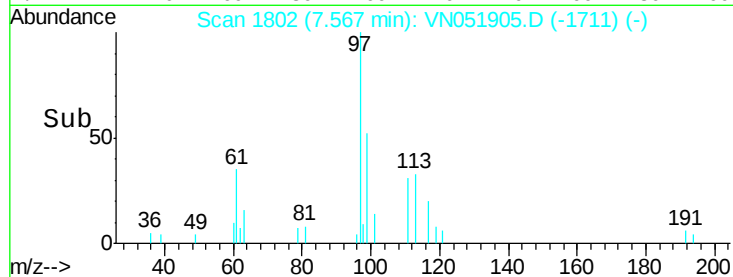
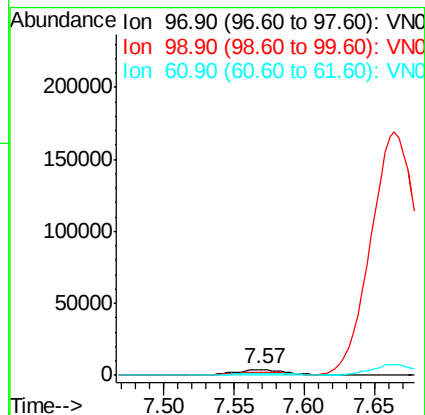
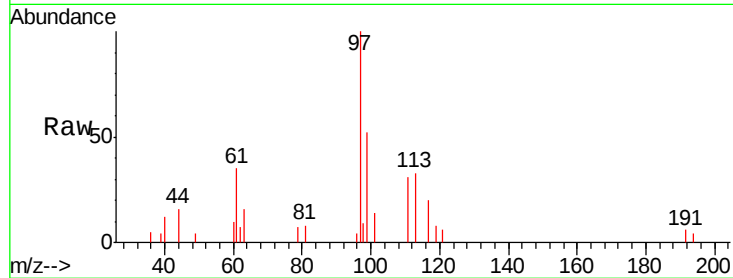
97 100

99 0.0 51.3 76.9#

61 41.7 29.8 44.6

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 0.88 ug/l

Expected RT: 8.03 min

Lab File: VN051905.D

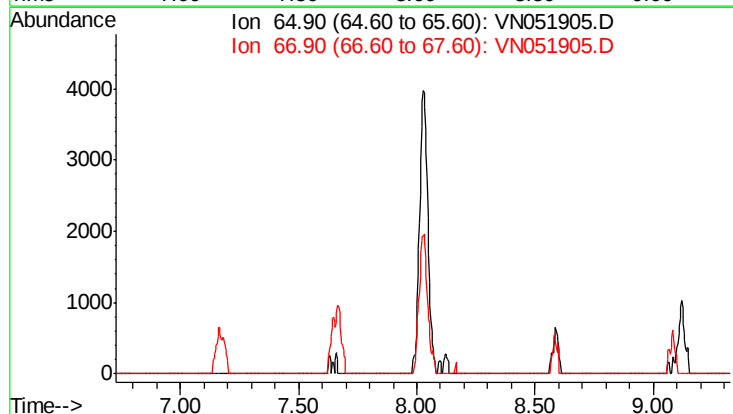
Acq: 17 Oct 2018 13:43

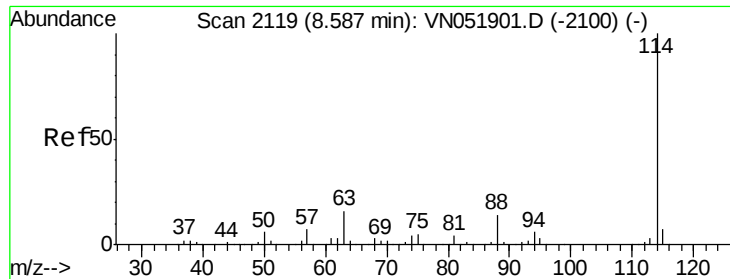
Tgt Ion: 65

Sig Exp Ratio

65 100

67 52.0





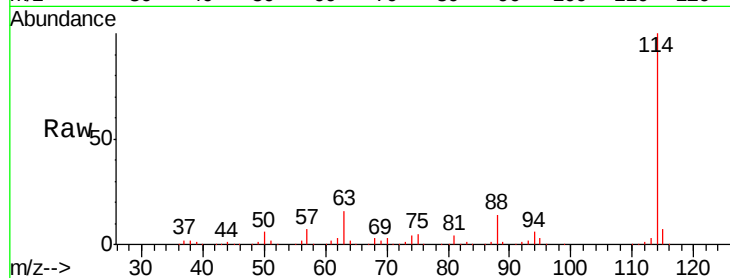
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

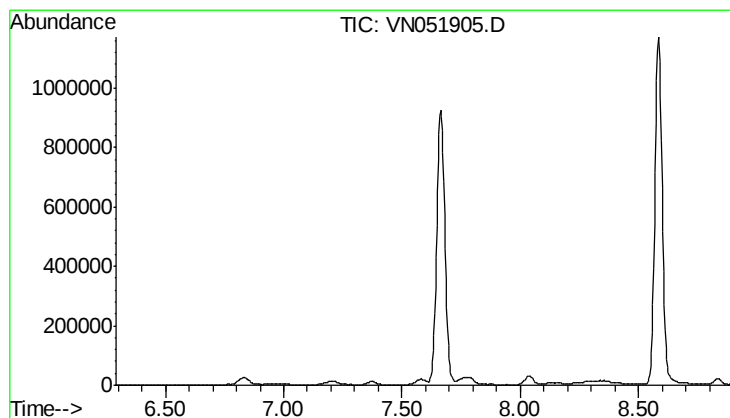
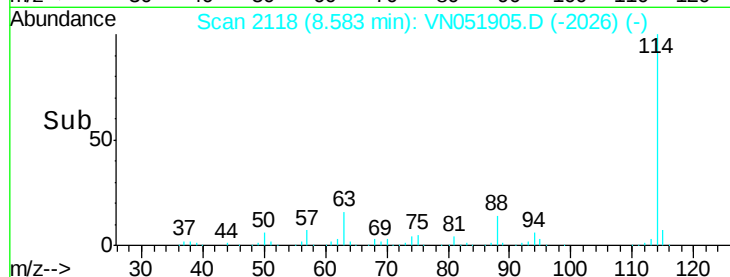
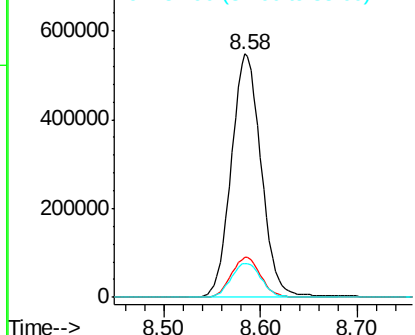
Tgt Ion: 114 Resp: 1175767
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 31.8
 88 14.0 0.0 28.0

Manual Integrations
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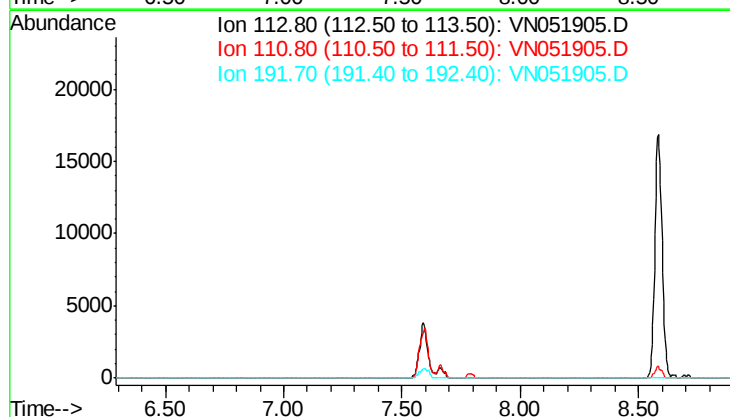
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

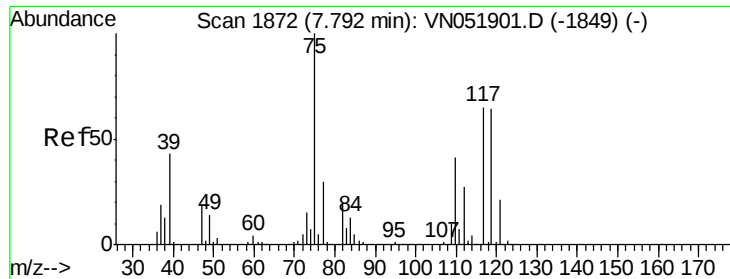


#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 Expected RT: 7.59 min

Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 103.2
 192 21.6





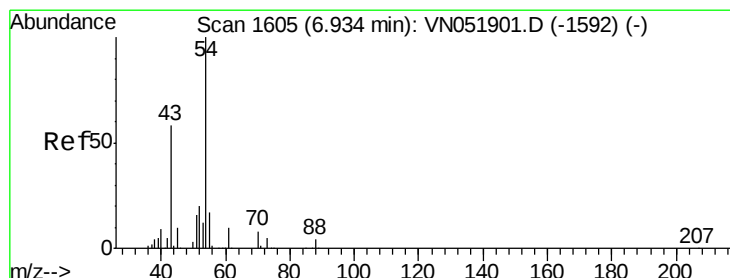
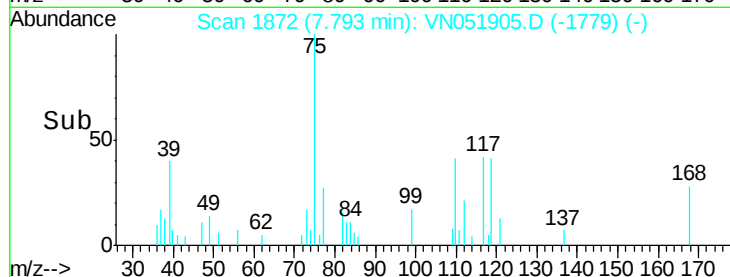
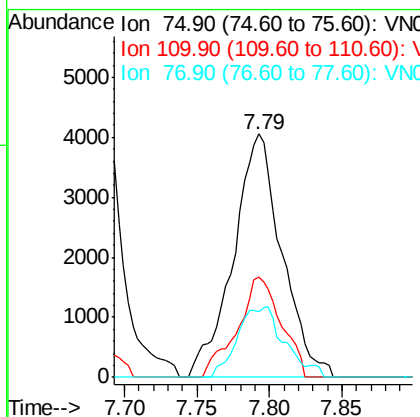
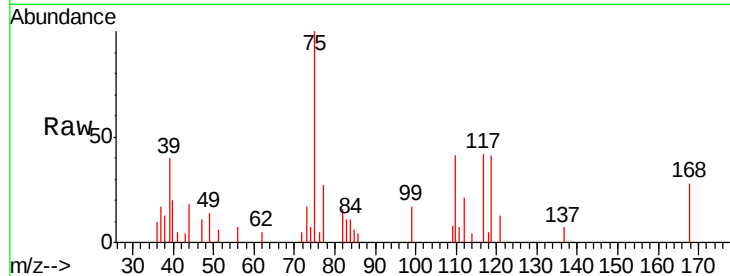
#36
 1,1-Dichloropropene
 Concen: 1.04 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	21.0	63.0
77	28.1	24.9	37.3

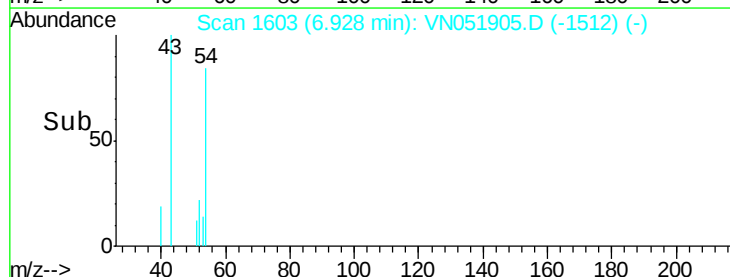
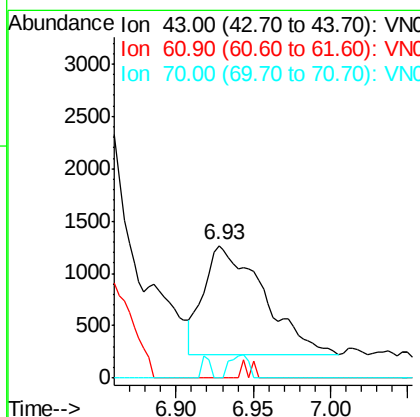
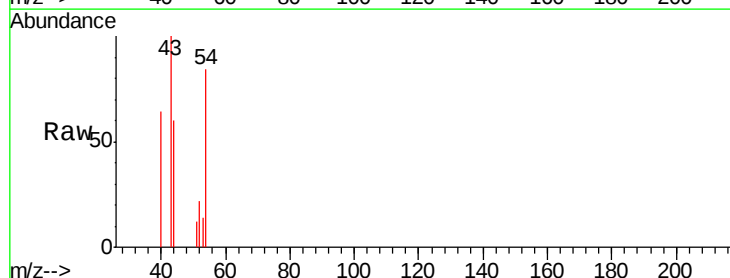
Manual Integrations
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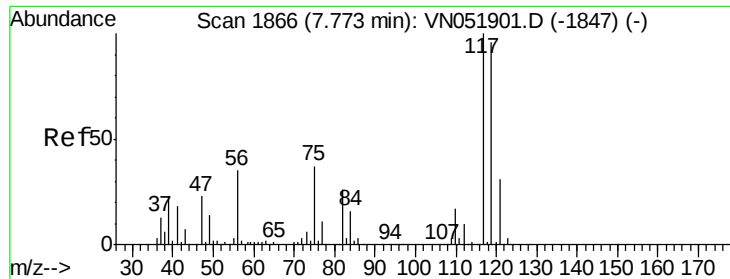
MMDadoda
 10/19/2018 3:29:36 PM



#37
 Ethyl Acetate
 Concen: 0.70 ug/l
 RT: 6.93 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.6#
70	2.6	10.4	15.6#





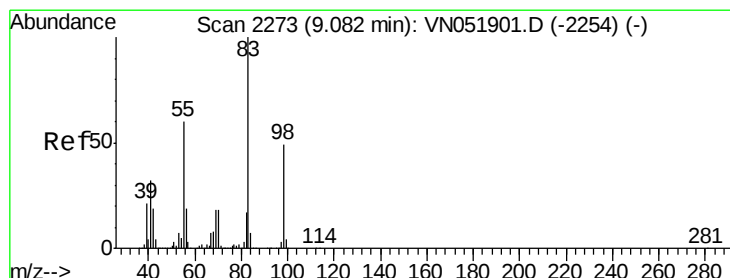
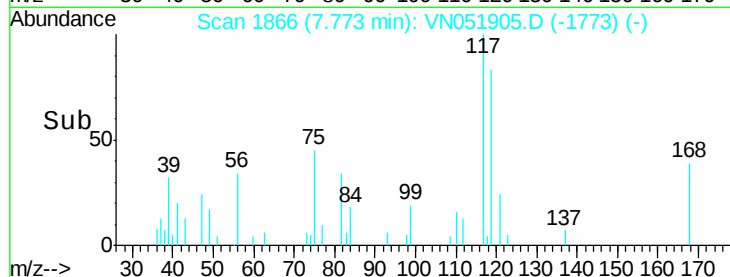
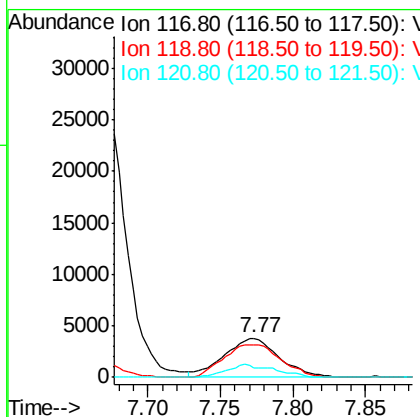
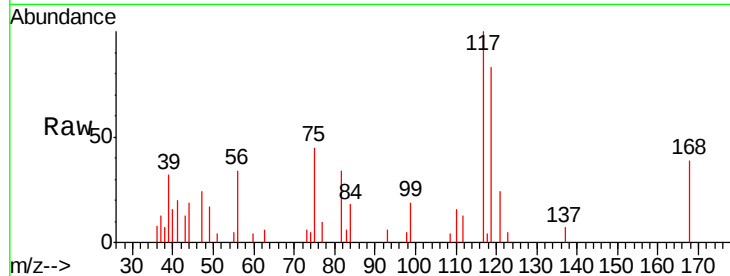
#38
Carbon Tetrachloride
Concen: 0.93 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
117	100		
119	83.3	77.0	115.6
121	23.9	25.1	37.7#

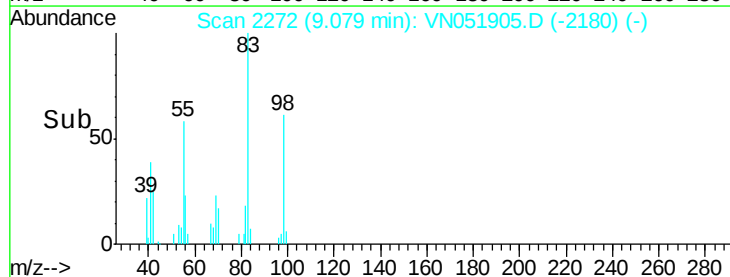
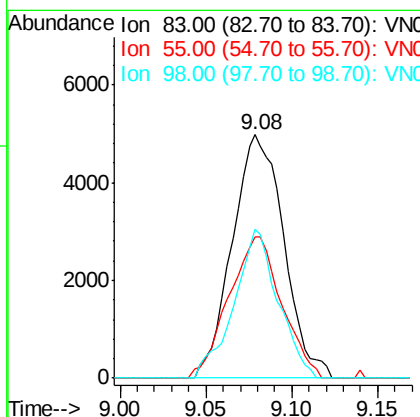
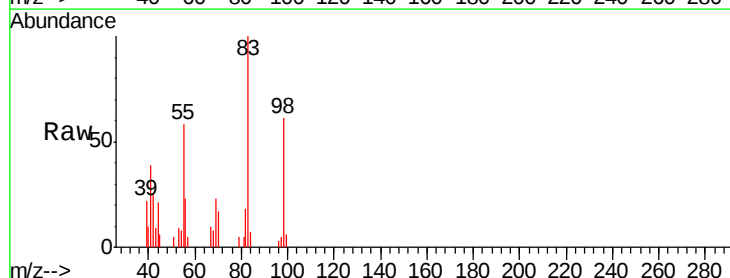
Manual Integrations
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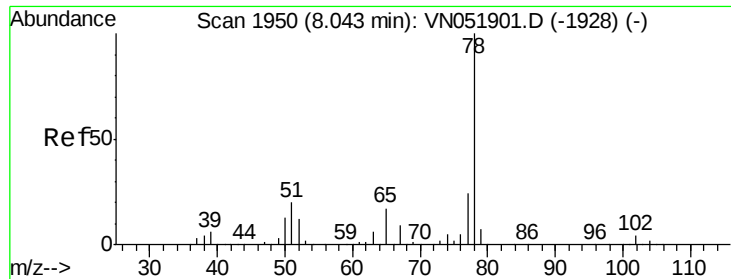
MMDadoda
10/19/2018 3:29:36 PM



#39
Methylcyclohexane
Concen: 0.92 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Tgt Ion	Ratio	Lower	Upper
83	100		
55	58.0	47.8	71.8
98	61.0	39.0	58.4#





#40

Benzene

Concen: 0.90 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 23980

Ion Ratio Lower Upper

78 100

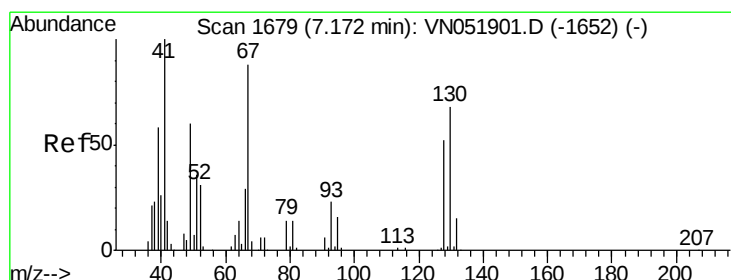
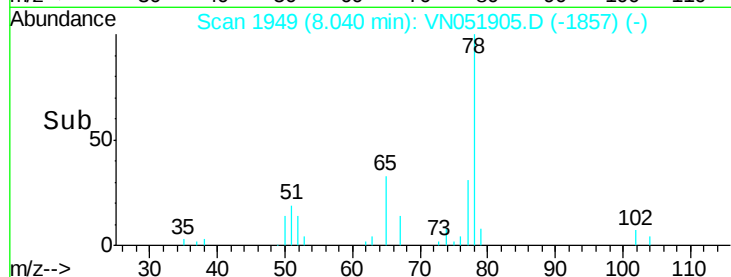
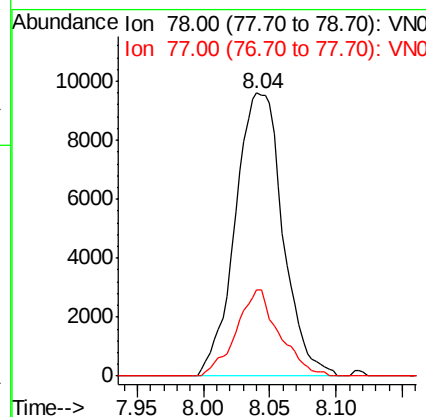
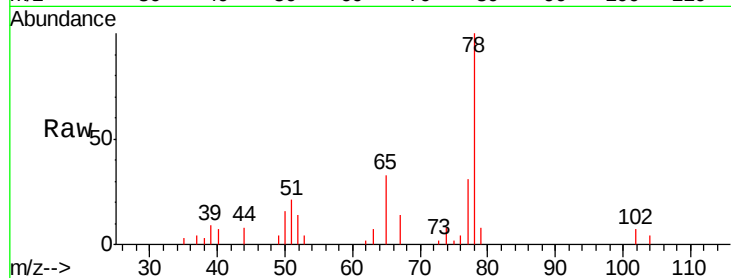
77 30.7 18.9 28.3#

Manual Integrations

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#41

Methacrylonitrile

Concen: 0.88 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Tgt Ion: 41 Resp: 1818

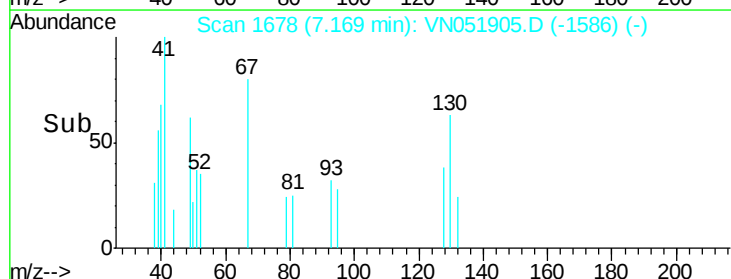
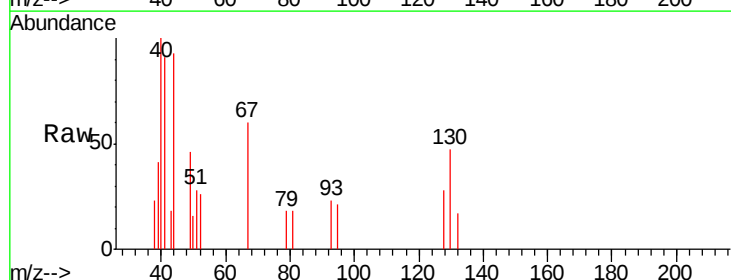
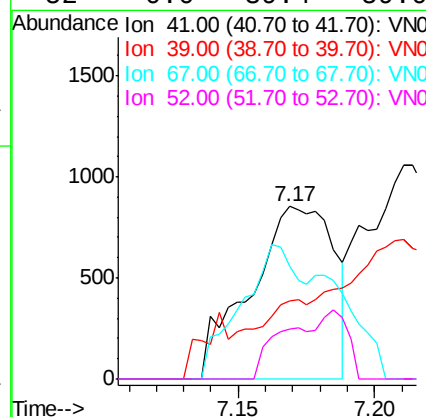
Ion Ratio Lower Upper

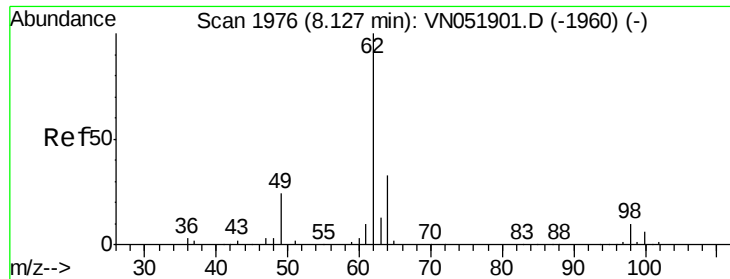
41 100

39 0.0 56.1 84.1#

67 55.6 106.5 159.7#

52 0.0 39.4 59.0#





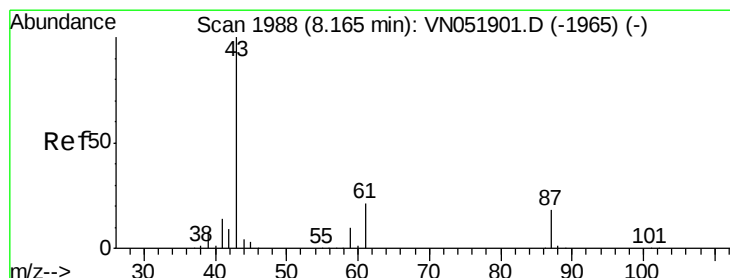
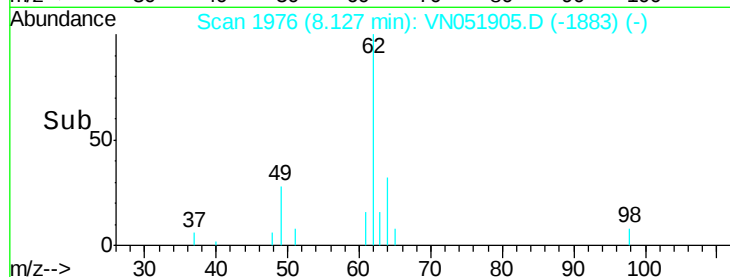
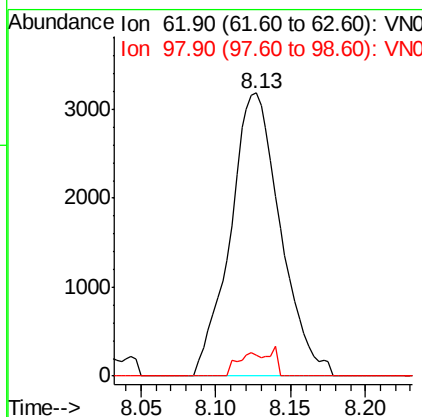
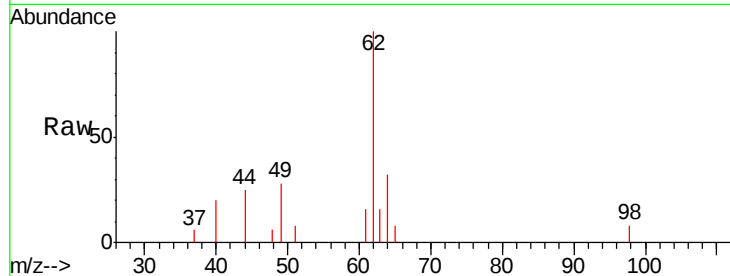
#42
 1,2-Dichloroethane
 Concen: 0.87 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.9	0.0	19.6

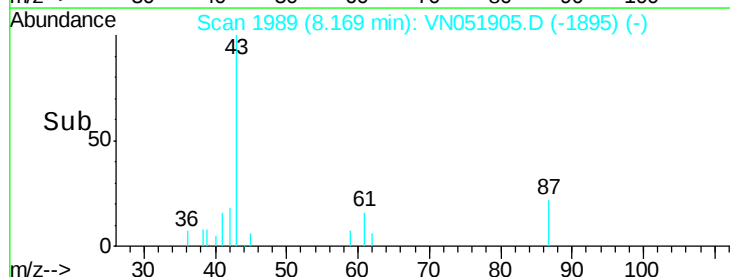
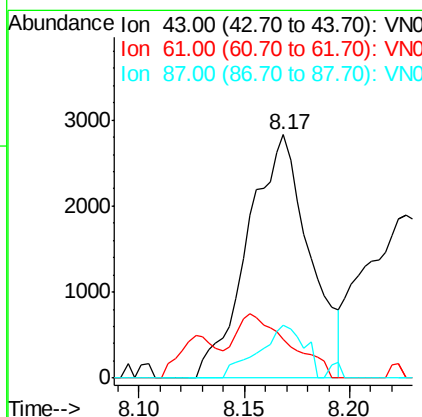
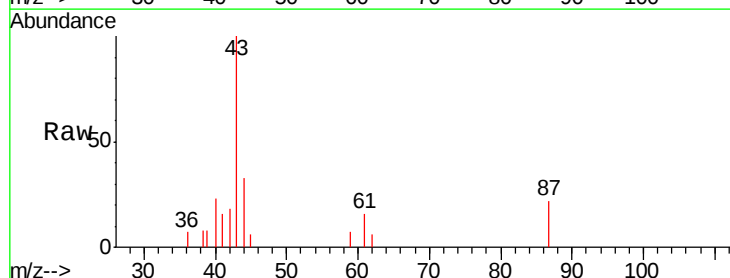
Manual Integrations
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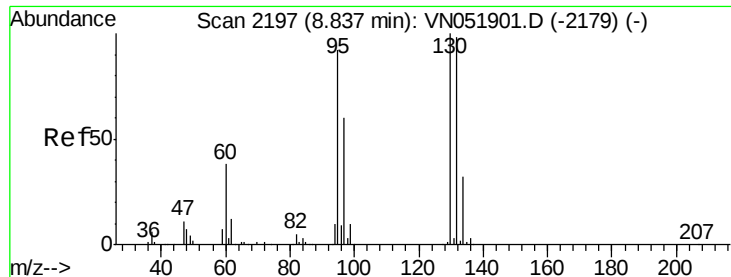
MMDadoda
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#43
 Isopropyl Acetate
 Concen: 0.71 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Tgt Ion	Ratio	Lower	Upper
43	100		
61	23.2	24.9	37.3#
87	16.1	14.6	22.0





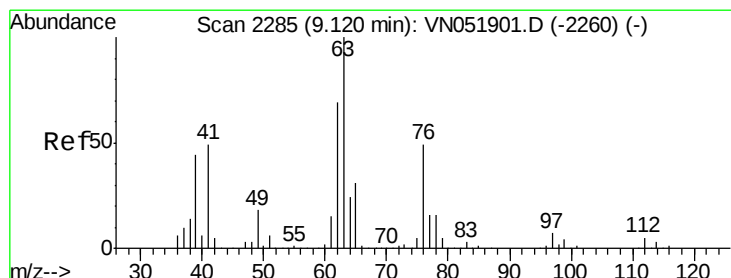
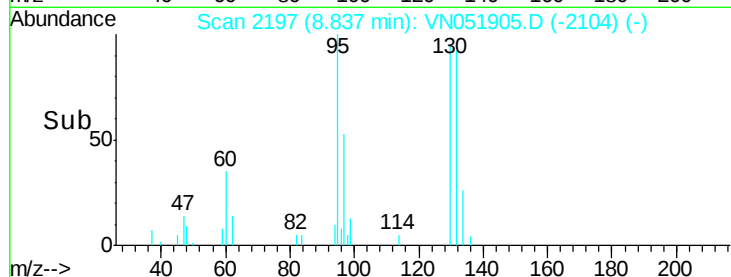
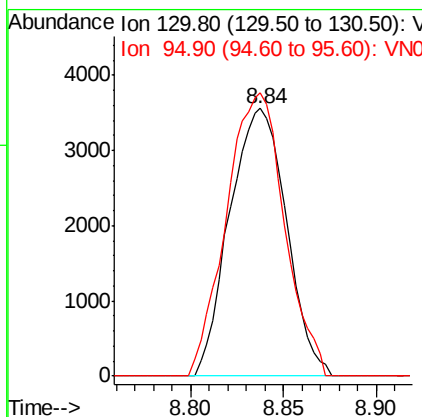
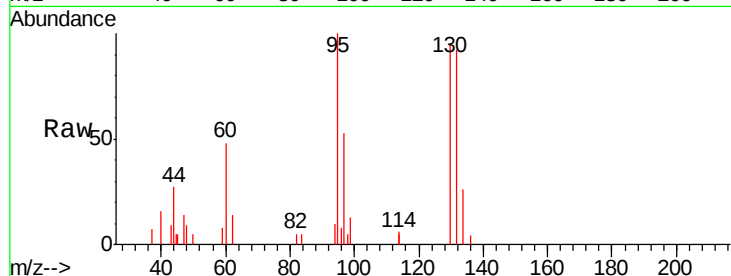
#44
 Trichloroethene
 Concen: 0.91 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion:130 Resp: 7574
 Ion Ratio Lower Upper
 130 100
 95 105.7 0.0 183.2

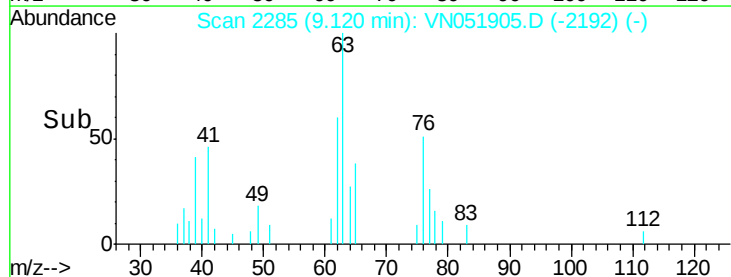
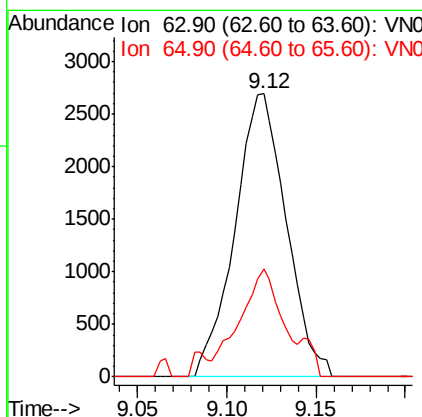
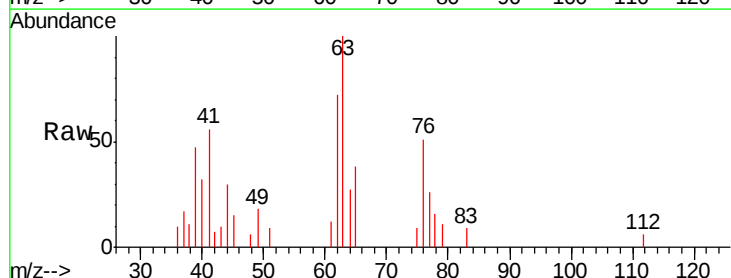
Manual Integrations
 APPROVED

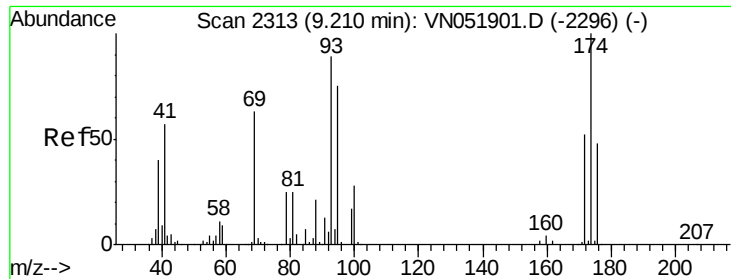
MMDadoda
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#45
 1,2-Dichloropropane
 Concen: 0.88 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Tgt Ion: 63 Resp: 5405
 Ion Ratio Lower Upper
 63 100
 65 38.1 24.9 37.3#





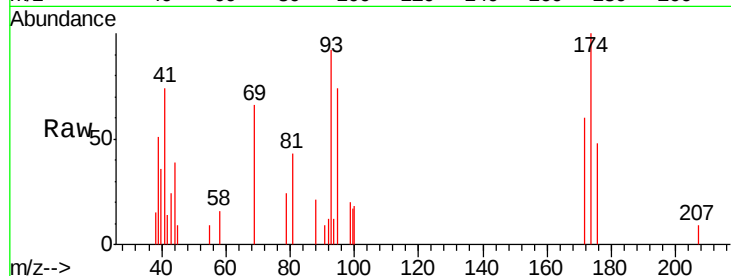
#46
Dibromomethane
Concen: 0.89 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

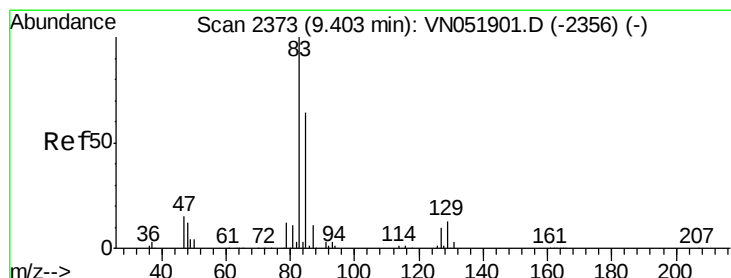
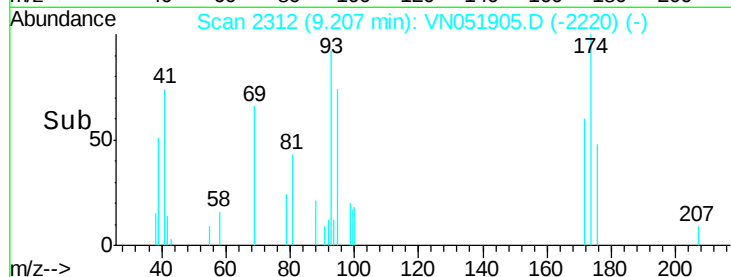
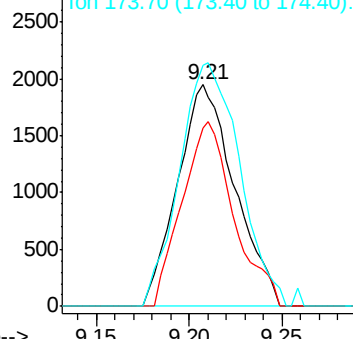
Tgt Ion: 93 Resp: 4174
Ion Ratio Lower Upper
93 100
95 75.2 67.8 101.6
174 115.5 91.9 137.9

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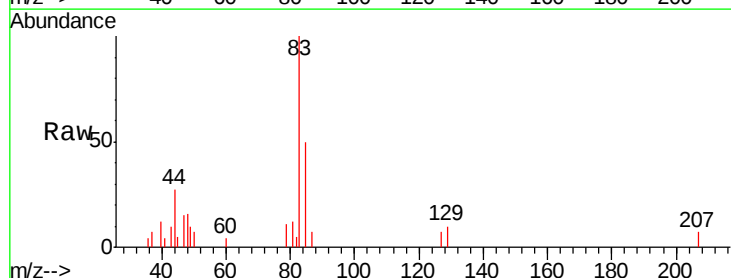


Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V

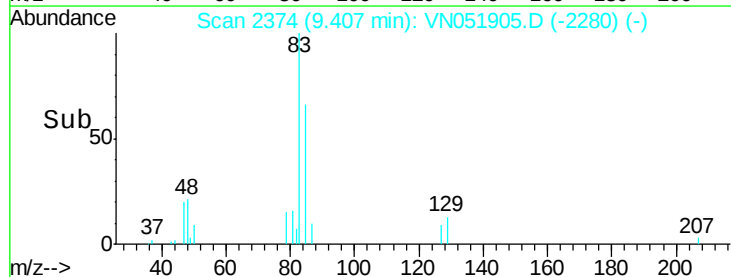
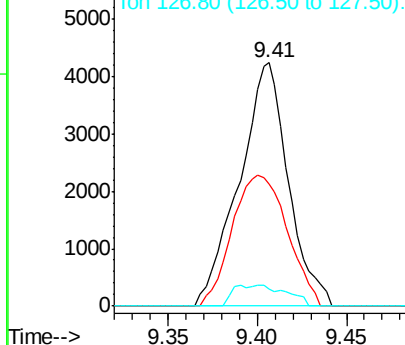


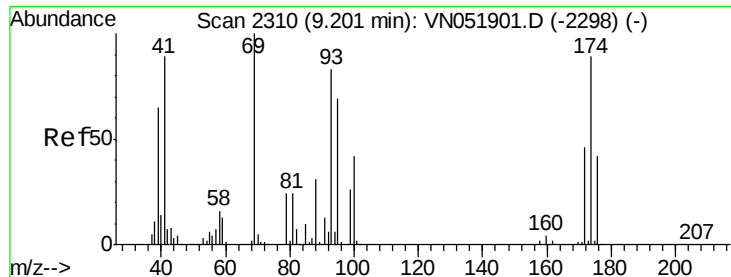
#47
Bromodichloromethane
Concen: 0.87 ug/l
RT: 9.41 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Tgt Ion: 83 Resp: 8149
Ion Ratio Lower Upper
83 100
85 50.2 51.4 77.2#
127 6.9 7.9 11.9#



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V





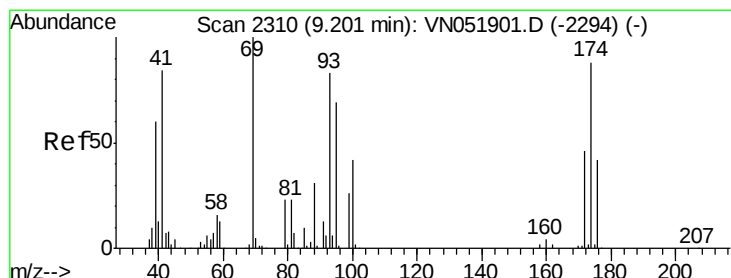
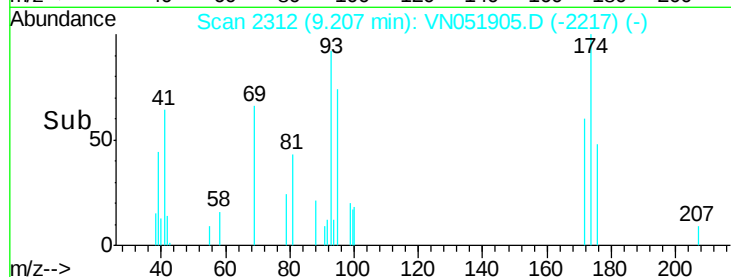
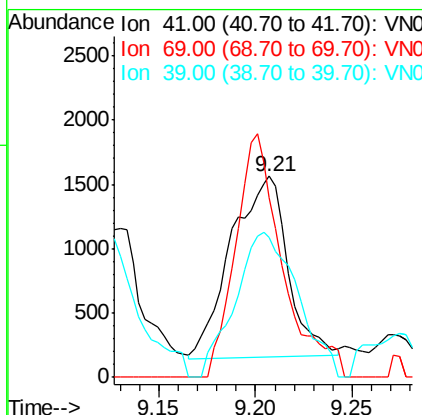
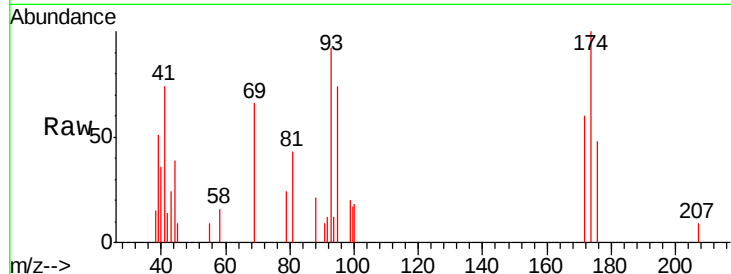
#48
Methyl methacrylate
Concen: 0.78 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
41	100		
69	110.8	90.2	135.2
39	87.7	59.7	89.5

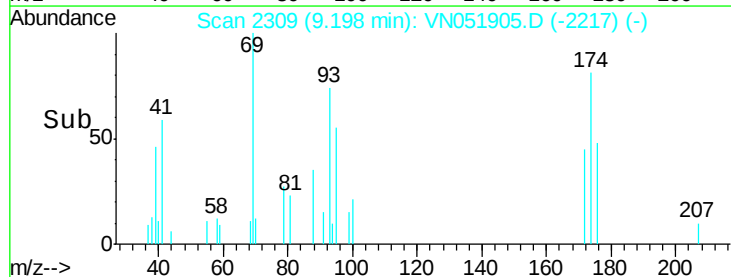
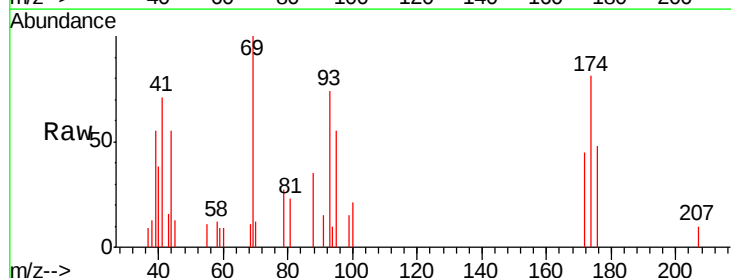
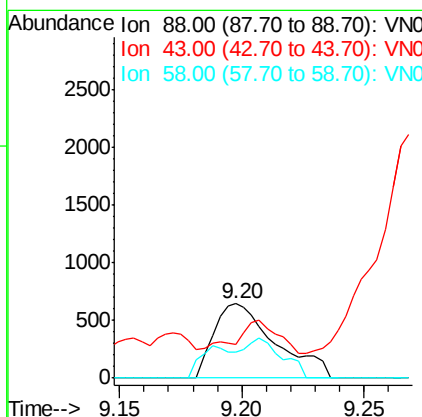
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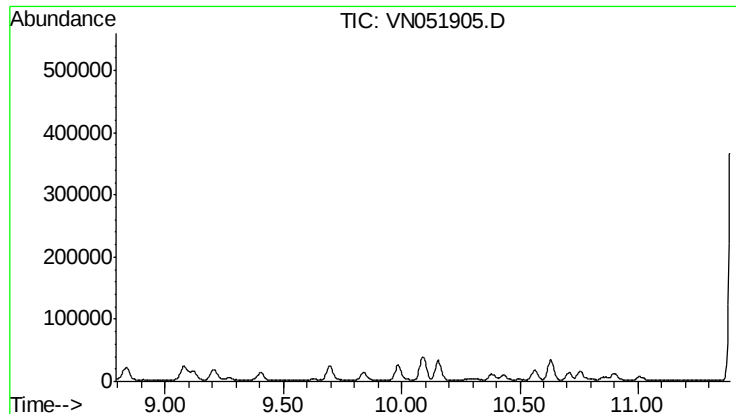
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#49
1,4-Dioxane
Concen: 16.02 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Tgt Ion	Ratio	Lower	Upper
88	100		
43	29.0	19.7	29.5
58	32.6	42.6	64.0#





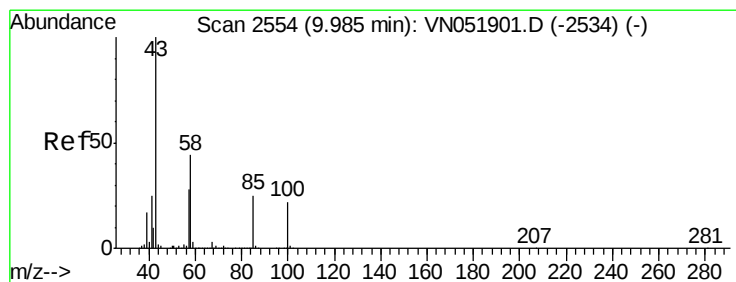
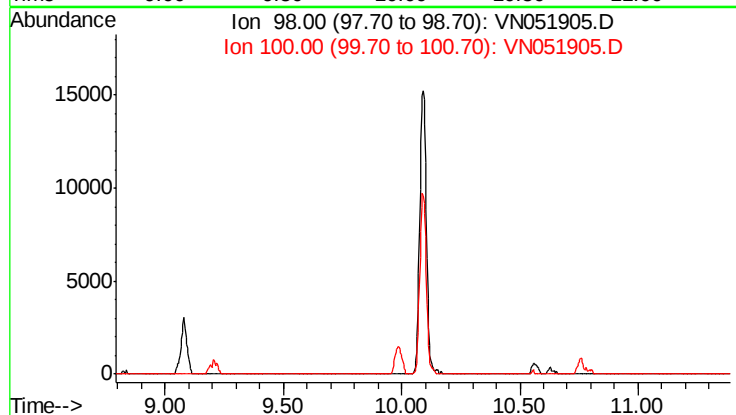
#50
Toluene-d8
Concen: 16.02 ug/l
Expected RT: 10.09 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 98
Sig Exp Ratio
98 100
100 63.7

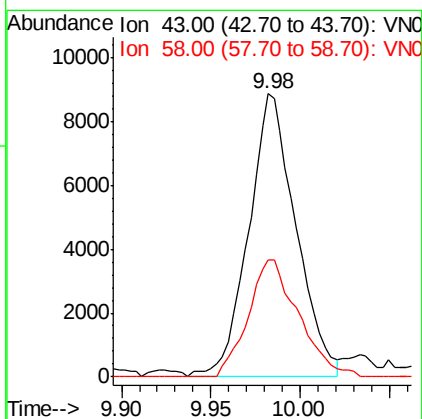
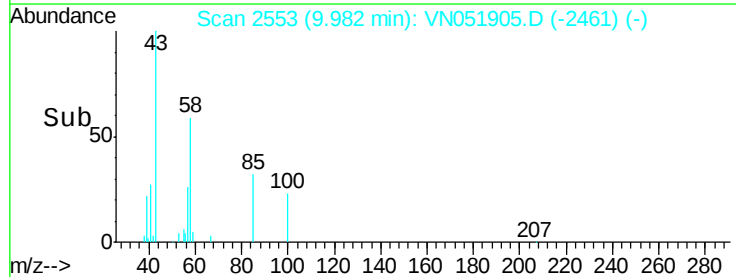
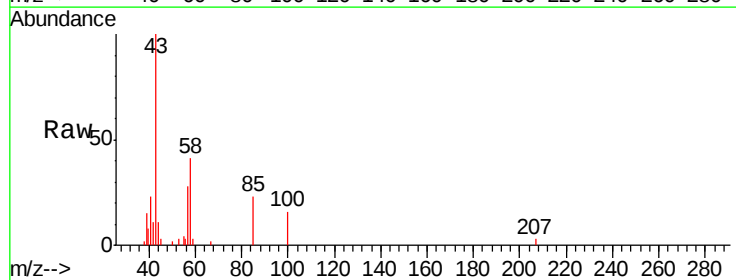
Manual Integrations
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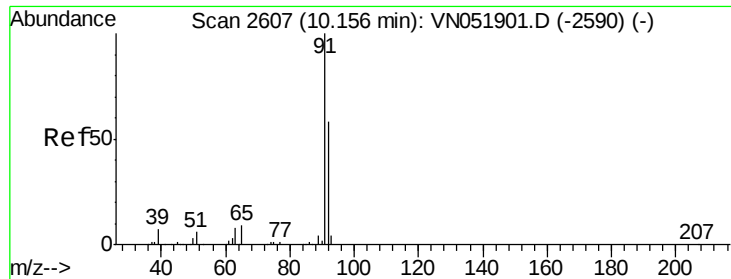
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#51
4-Methyl-2-Pentanone
Concen: 3.86 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Tgt Ion: 43 Resp: 16408
Ion Ratio Lower Upper
43 100
58 43.9 34.6 52.0





#52

Toluene

Concen: 0.80 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 14194

Ion Ratio Lower Upper

92 100

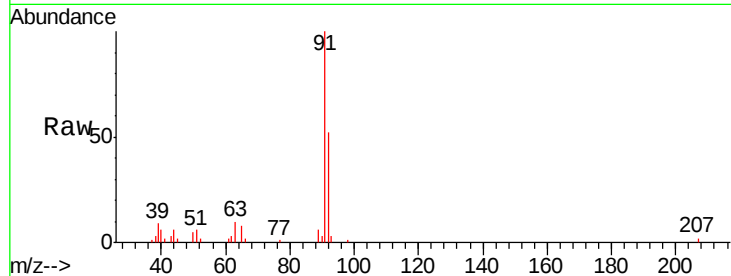
91 189.5 139.8 209.6

Manual Integrations

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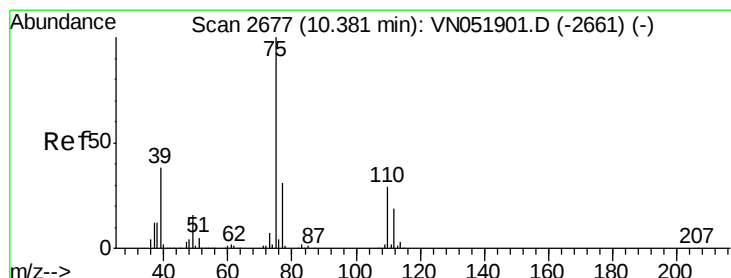
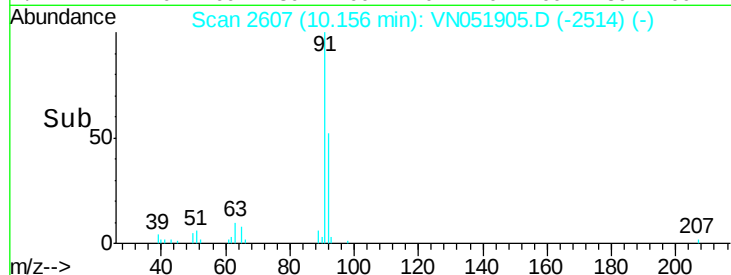
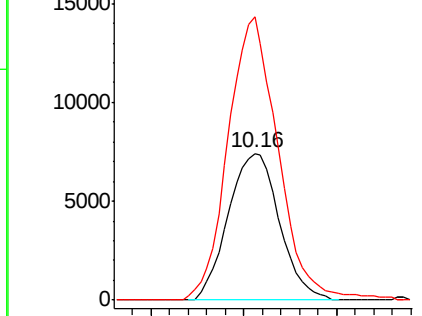
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.75 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051905.D

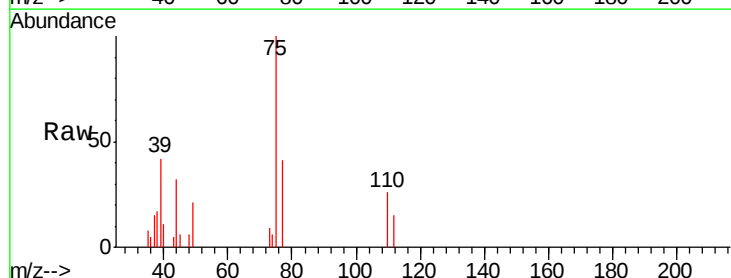
Acq: 17 Oct 2018 13:43

Tgt Ion: 75 Resp: 6659

Ion Ratio Lower Upper

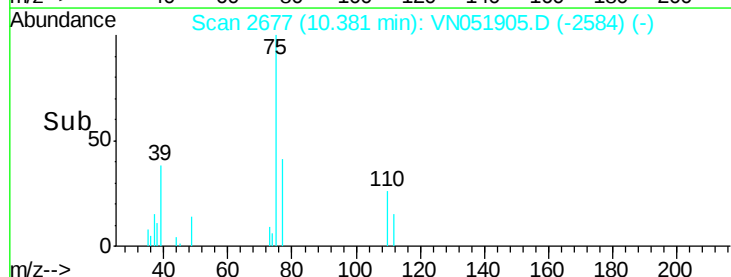
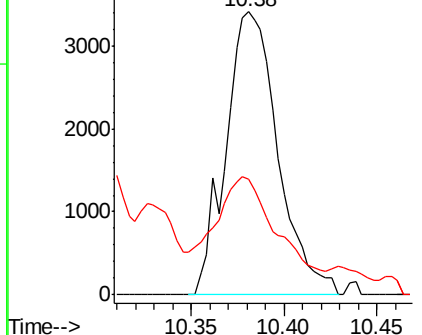
75 100

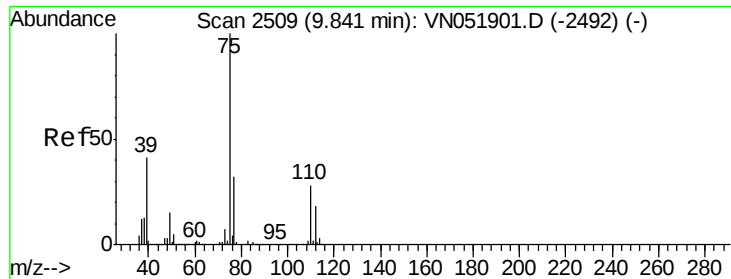
77 30.7 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#54

cis-1,3-Dichloropropene

Concen: 0.77 ug/l

RT: 9.84 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

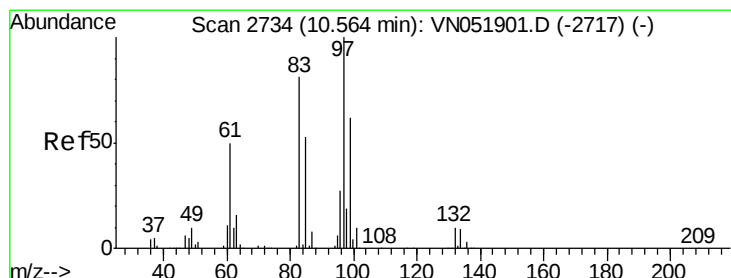
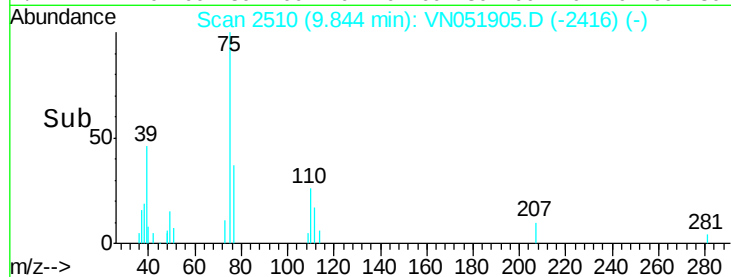
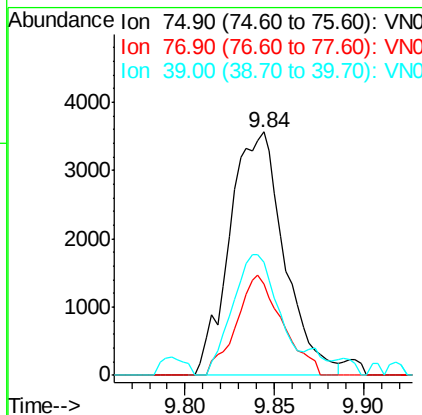
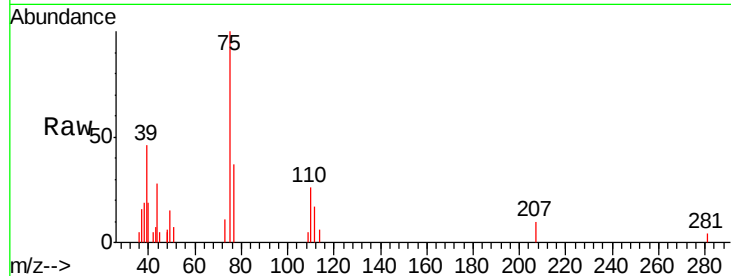
ClientSampleId :

VSTDIC001

Tgt Ion:	75	Resp:	7629
Ion	Ratio	Lower	Upper
75	100		
77	37.3	25.3	37.9
39	41.4	32.8	49.2

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#55

1,1,2-Trichloroethane

Concen: 0.74 ug/l

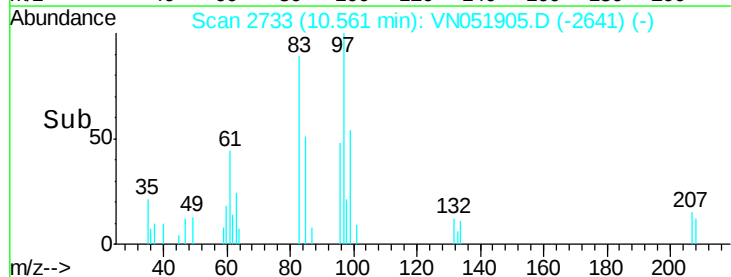
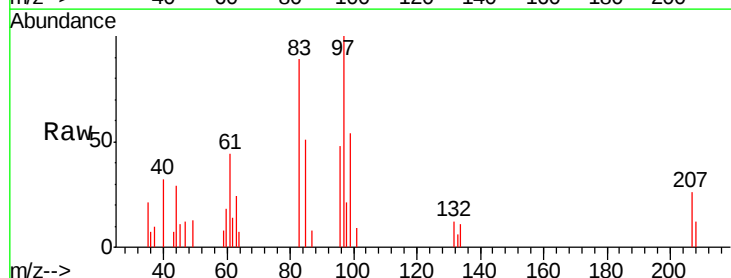
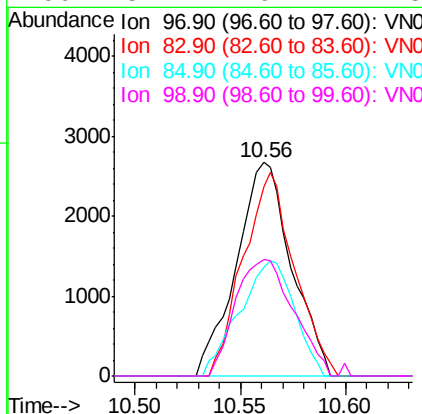
RT: 10.56 min Scan# 2733

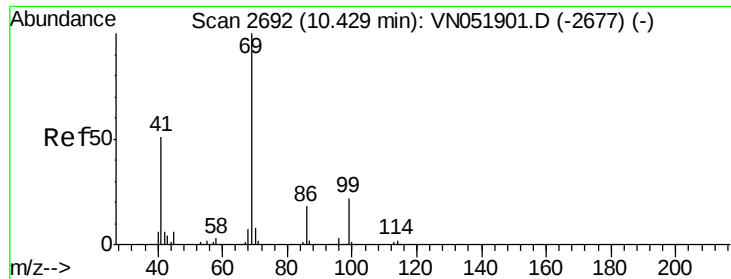
Delta R.T. -0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Tgt Ion:	97	Resp:	4853
Ion	Ratio	Lower	Upper
97	100		
83	88.5	64.6	96.8
85	50.9	42.3	63.5
99	54.4	49.7	74.5





#56

Ethyl methacrylate

Concen: 0.74 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

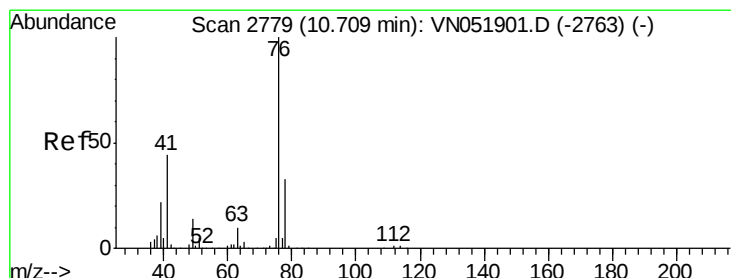
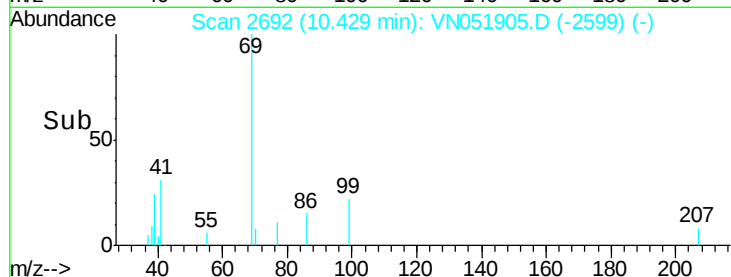
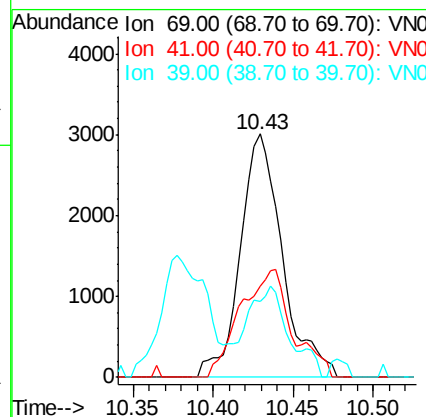
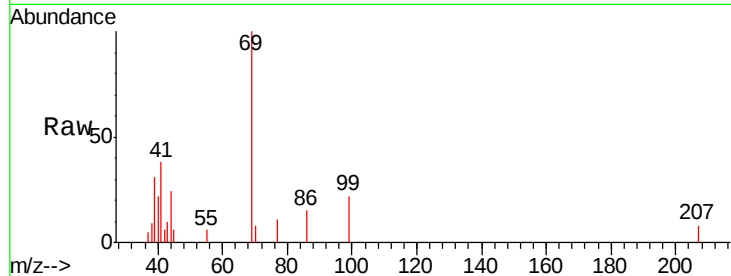
ClientSampleId :

VSTDIC001

Tgt Ion:	69	Resp:	5391
Ion	Ratio	Lower	Upper
69	100		
41	55.0	40.6	61.0
39	36.7	29.4	44.0

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#57

1,3-Dichloropropane

Concen: 0.80 ug/l

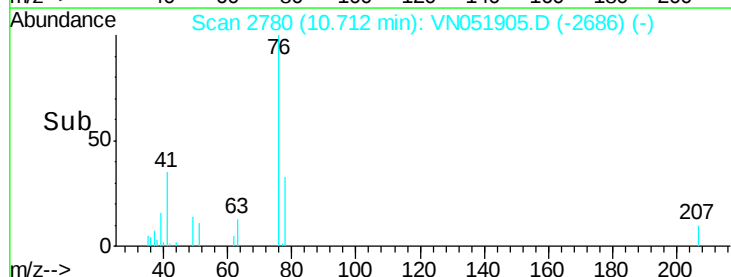
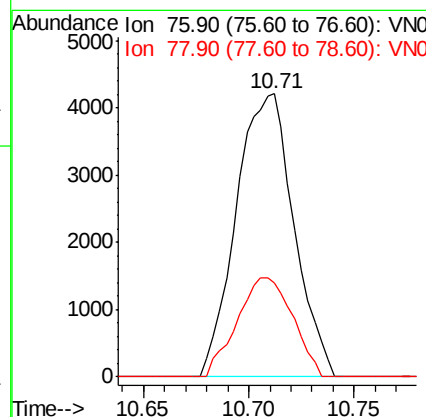
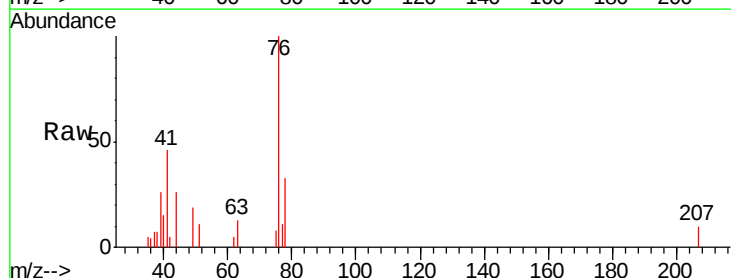
RT: 10.71 min Scan# 2780

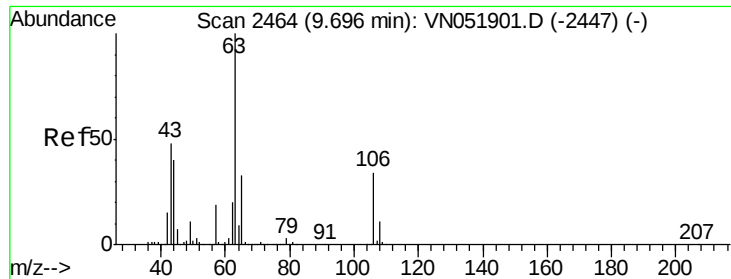
Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Tgt Ion:	76	Resp:	7989
Ion	Ratio	Lower	Upper
76	100		
78	33.8	25.8	38.6





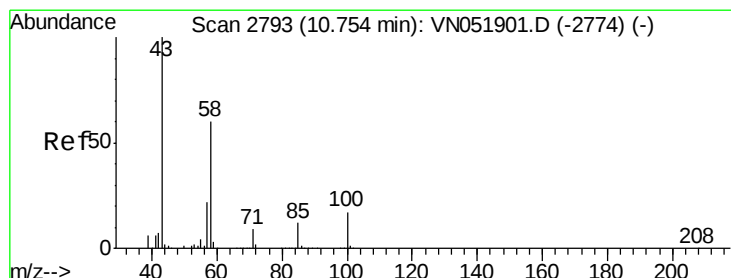
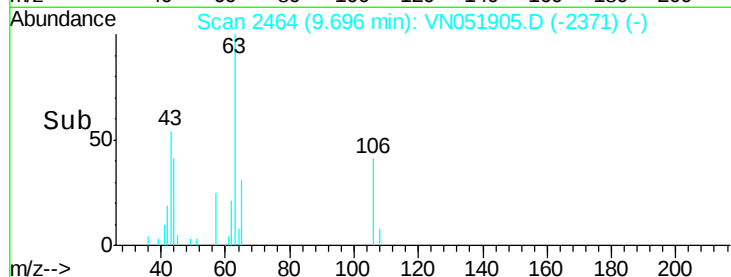
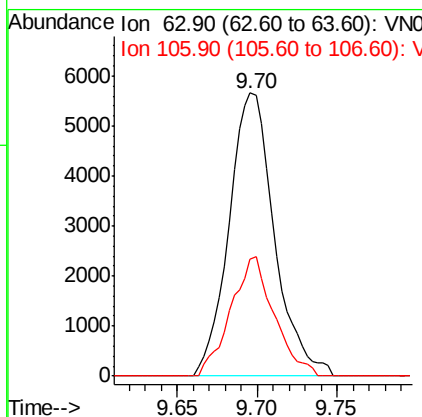
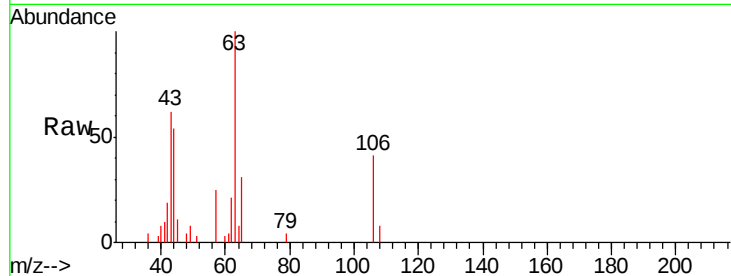
#58
 2-Chloroethyl Vinyl ether
 Concen: 3.54 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion: 63 Resp: 10957
 Ion Ratio Lower Upper
 63 100
 106 40.1 27.5 41.3

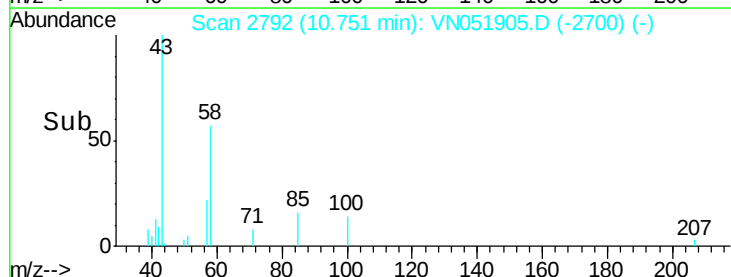
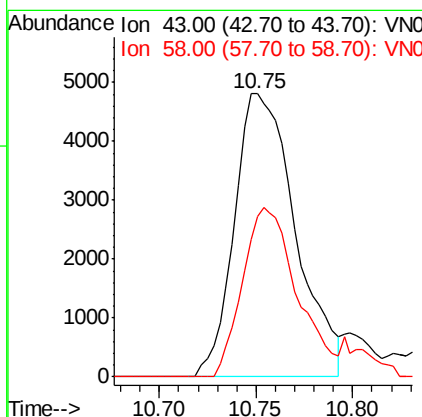
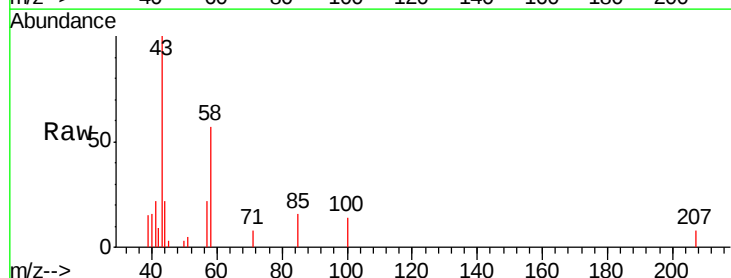
Manual Integrations
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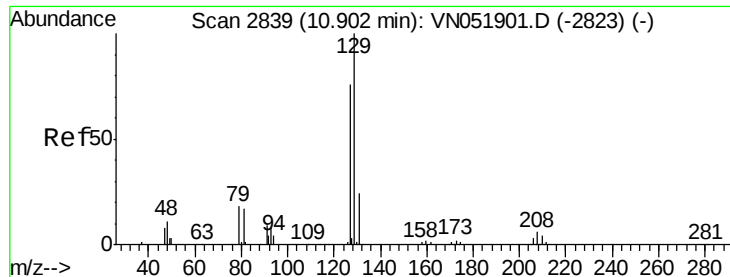
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#59
 2-Hexanone
 Concen: 3.70 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Tgt Ion: 43 Resp: 10547
 Ion Ratio Lower Upper
 43 100
 58 53.3 29.8 89.5





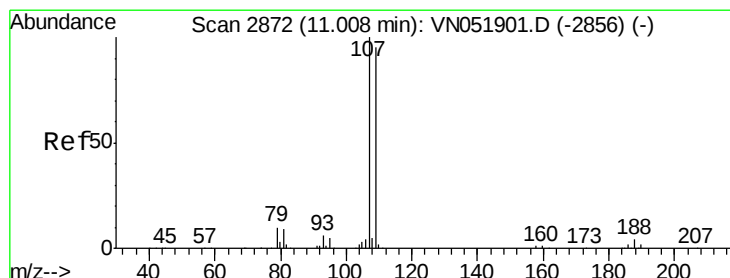
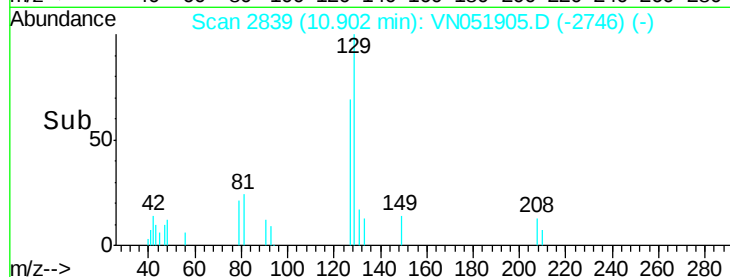
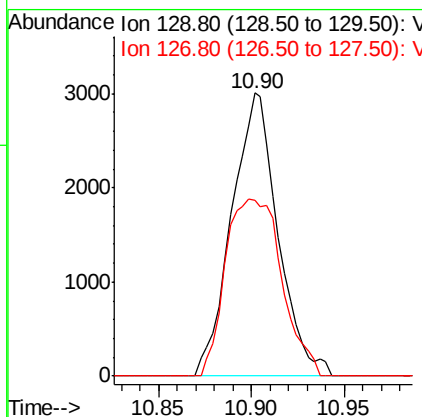
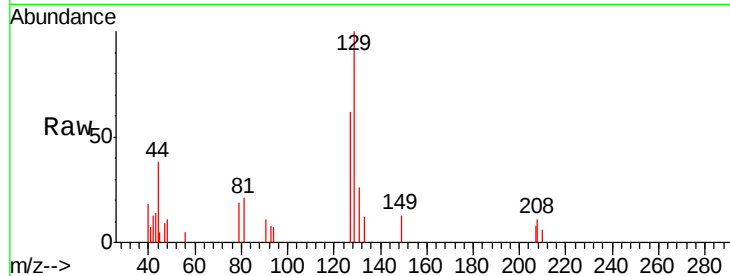
#60
 Dibromochloromethane
 Concen: 0.68 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion:129 Resp: 5206
 Ion Ratio Lower Upper
 129 100
 127 76.2 38.3 114.8

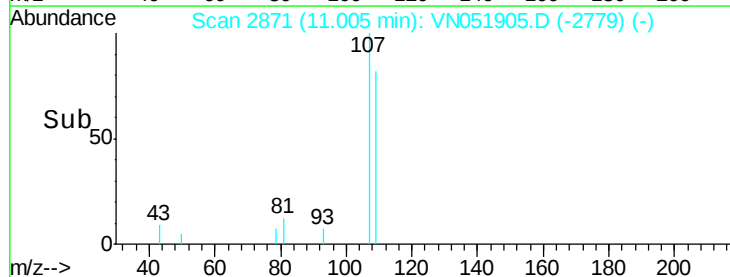
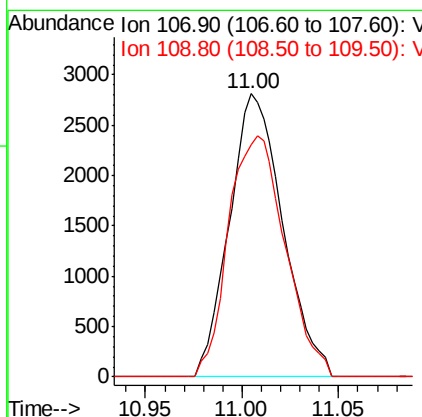
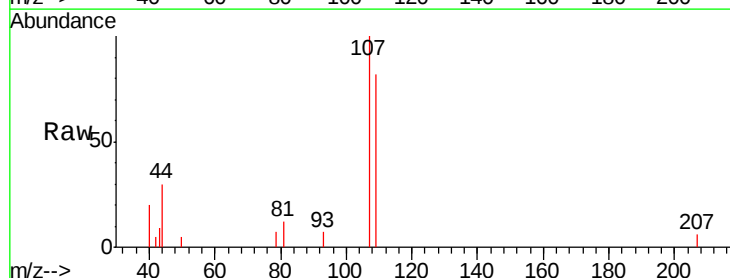
Manual Integrations
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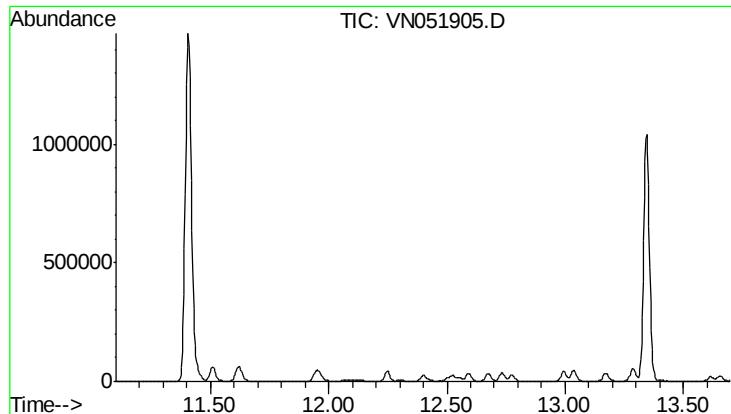
MMDadoda
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#61
 1,2-Dibromoethane
 Concen: 0.79 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Tgt Ion:107 Resp: 5410
 Ion Ratio Lower Upper
 107 100
 109 89.9 75.0 112.6





#62

4-Bromofluorobenzene

Concen: 0.79 ug/l

Expected RT: 12.40 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Tgt Ion: 95

Sig Exp Ratio

95 100

174 97.5

176 95.7

Instrument :

MSVOA_N

ClientSampleId :

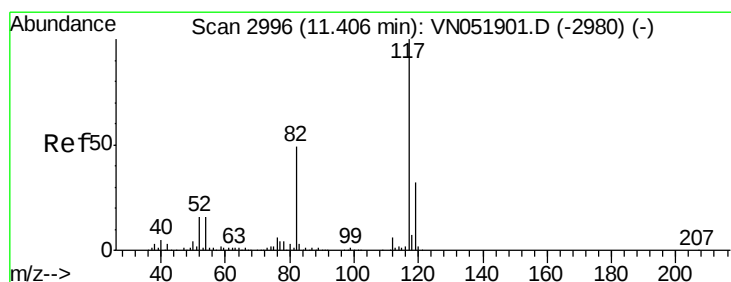
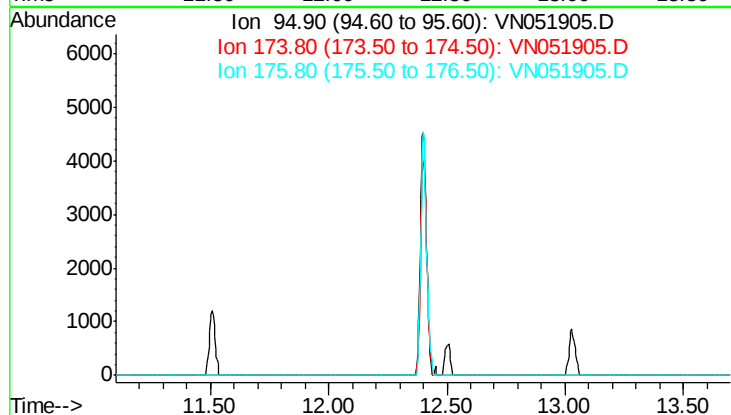
VSTDIC001

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

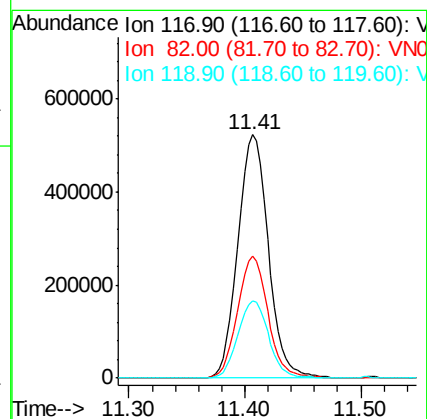
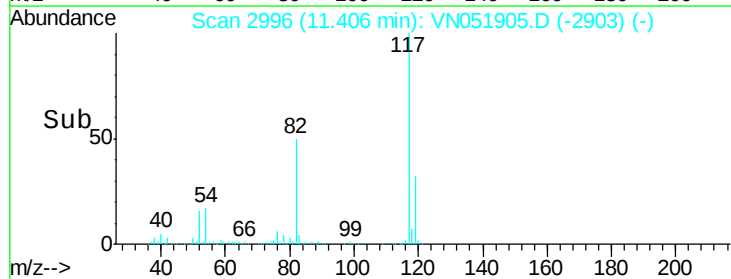
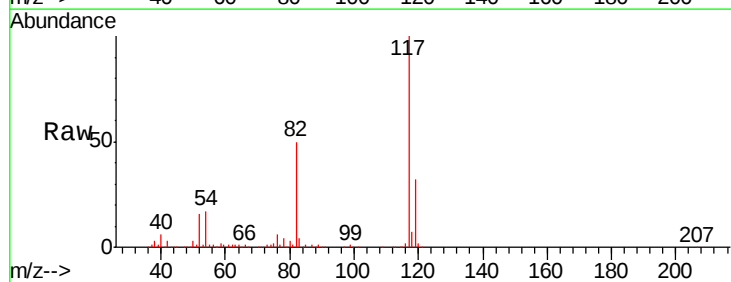
Tgt Ion: 117 Resp: 952640

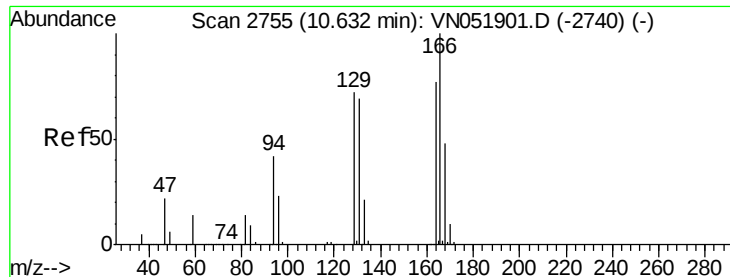
Ion Ratio Lower Upper

117 100

82 49.9 38.9 58.3

119 31.7 25.9 38.9





#64

Tetrachloroethene

Concen: 1.00 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

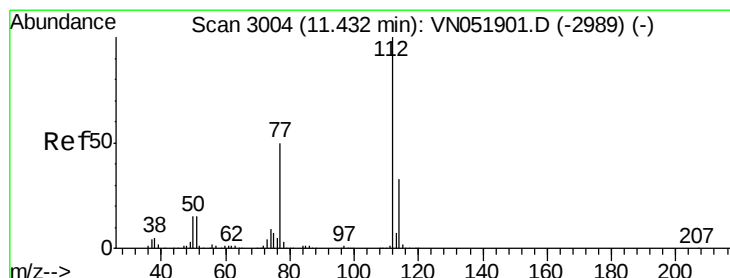
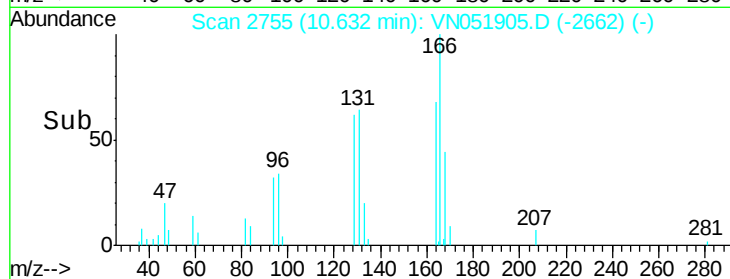
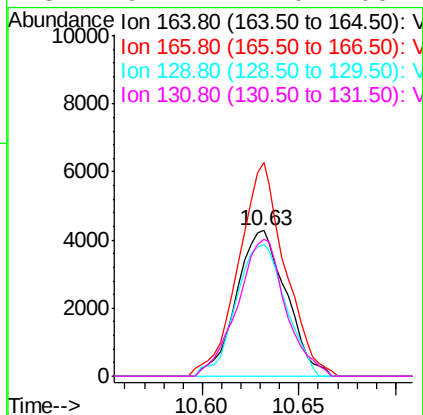
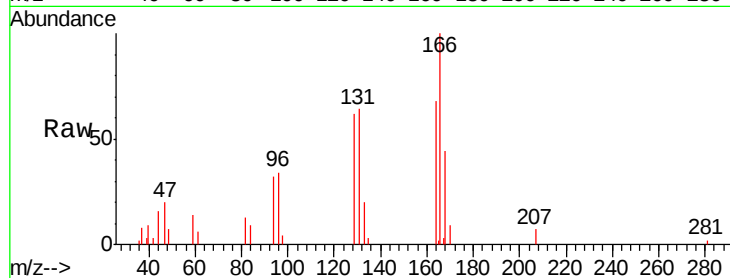
ClientSampleId :

VSTDIC001

Tgt Ion:	164	Resp:	7654
Ion Ratio	Lower	Upper	
164	100		
166	146.6	103.4	155.0
129	90.2	73.9	110.9
131	94.1	71.0	106.4

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#65

Chlorobenzene

Concen: 0.95 ug/l

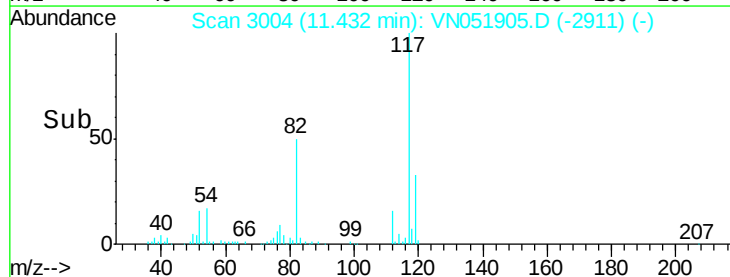
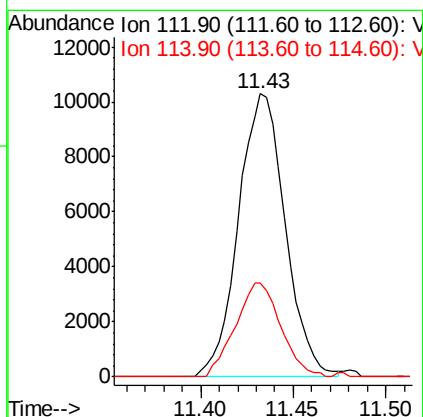
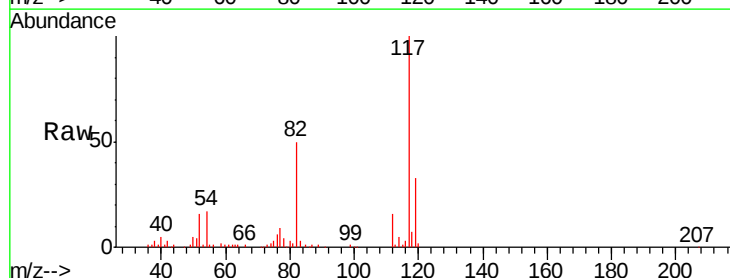
RT: 11.43 min Scan# 3004

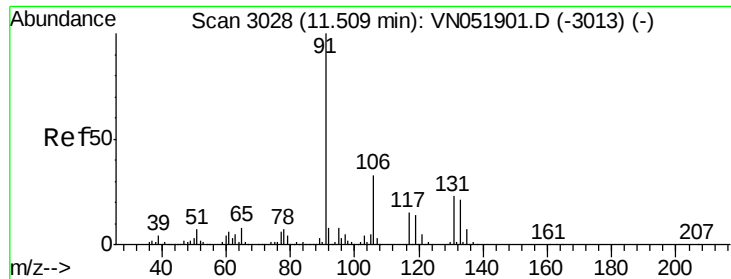
Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Tgt Ion:	112	Resp:	18048
Ion Ratio	Lower	Upper	
112	100		
114	33.4	26.4	39.6





#66

1,1,1,2-Tetrachloroethane

Concen: 0.83 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

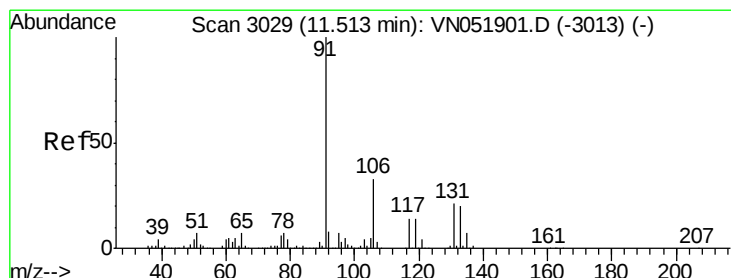
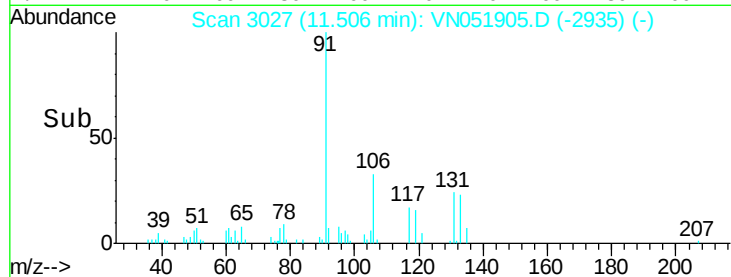
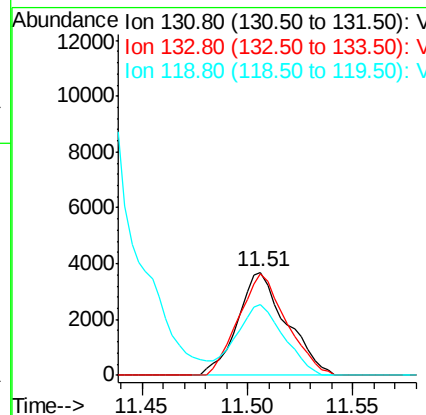
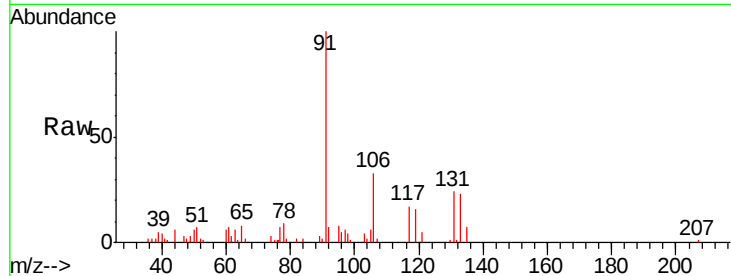
ClientSampleId :

VSTDIC001

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	47.5	142.6
119	0.0	32.1	96.5#

Manual Integrations
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#67

Ethyl Benzene

Concen: 0.93 ug/l

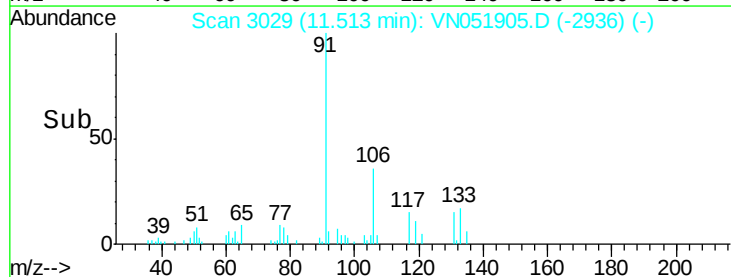
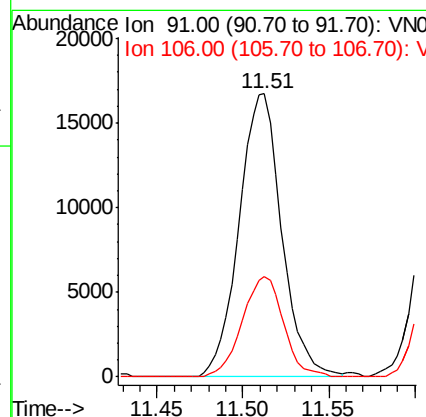
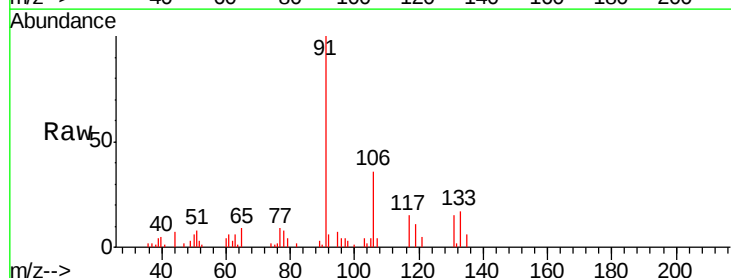
RT: 11.51 min Scan# 3029

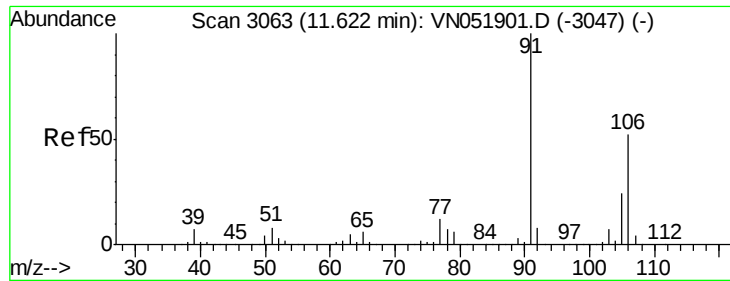
Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Tgt Ion	Ratio	Lower	Upper
91	100		
106	35.6	26.6	39.8





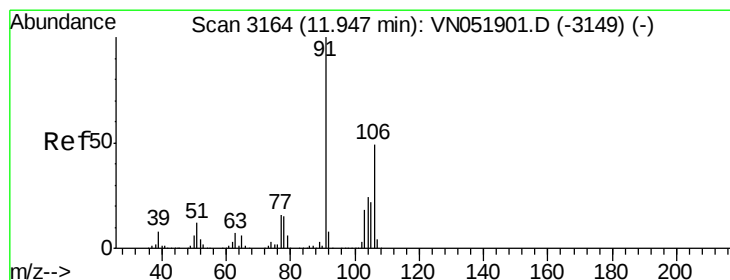
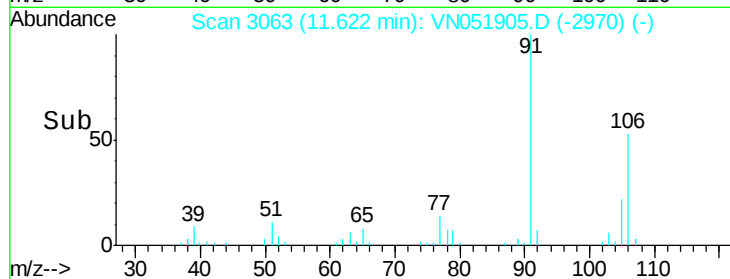
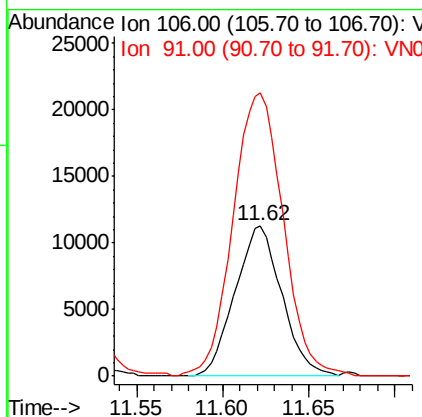
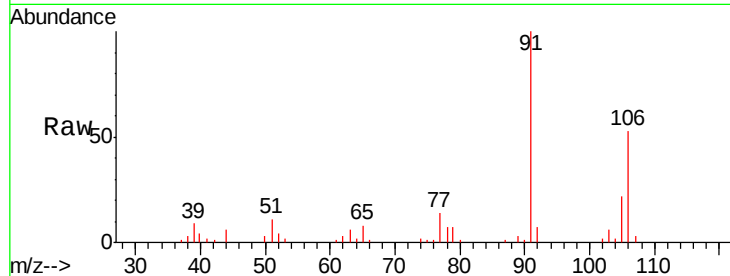
#68
m/p-Xylenes
Concen: 1.70 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 21343
Ion Ratio Lower Upper
106 100
91 202.3 153.6 230.4

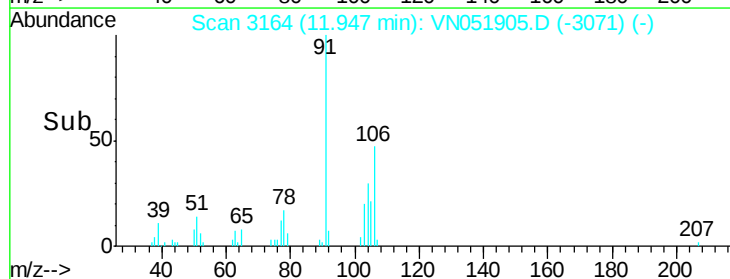
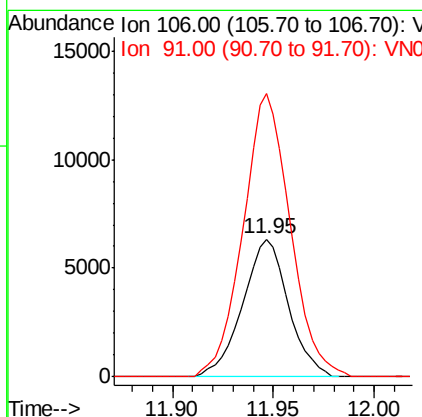
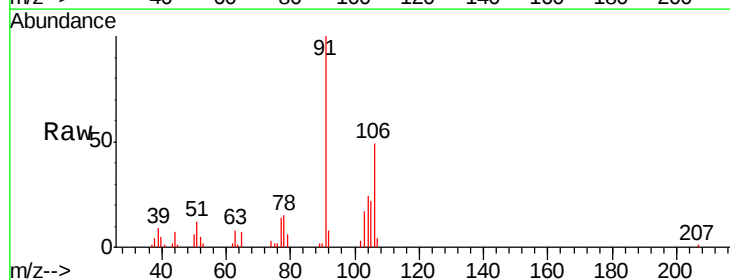
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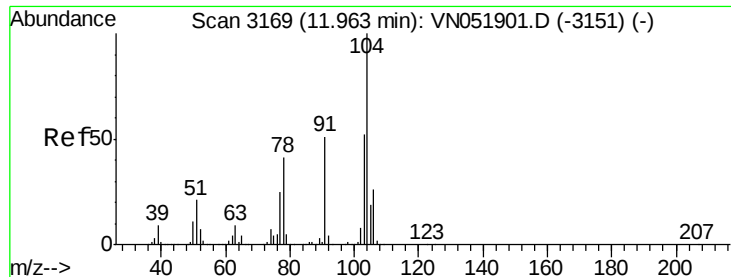
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#69
o-Xylene
Concen: 0.82 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Tgt Ion:106 Resp: 10029
Ion Ratio Lower Upper
106 100
91 212.7 100.7 302.1





#70

Styrene

Concen: 0.76 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

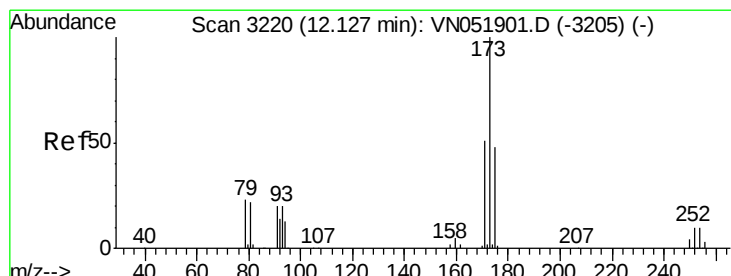
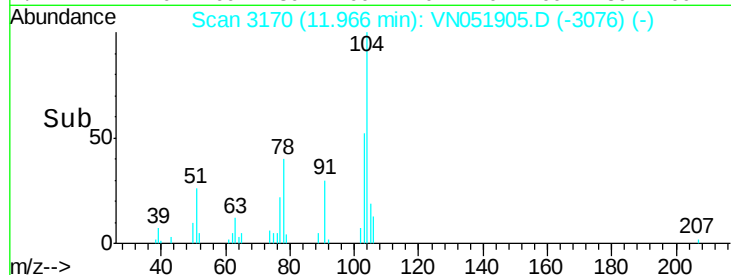
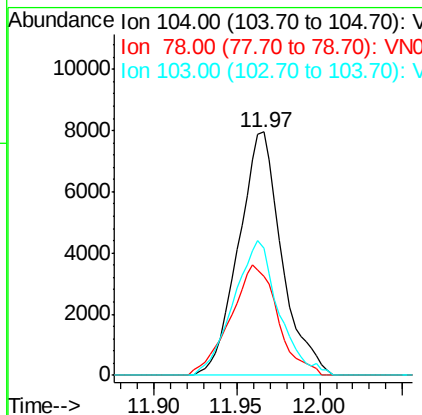
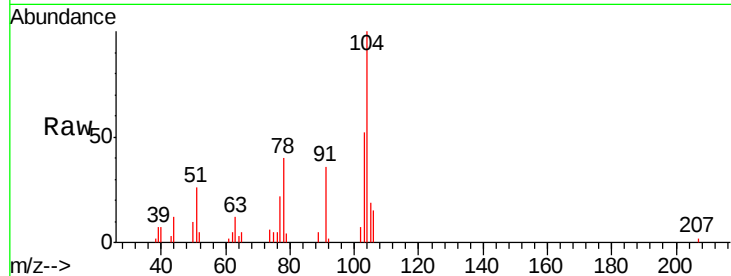
ClientSampleId :

VSTDIC001

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.8	36.6	55.0
103	57.8	44.6	67.0

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#71

Bromoform

Concen: 0.56 ug/l

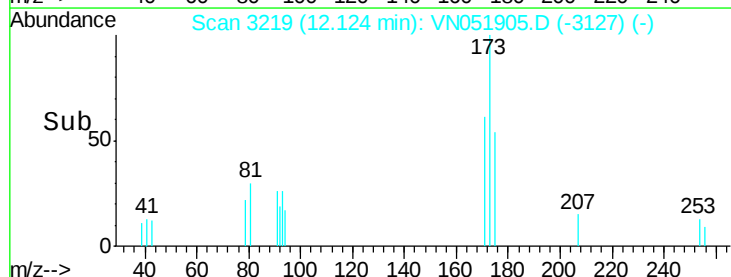
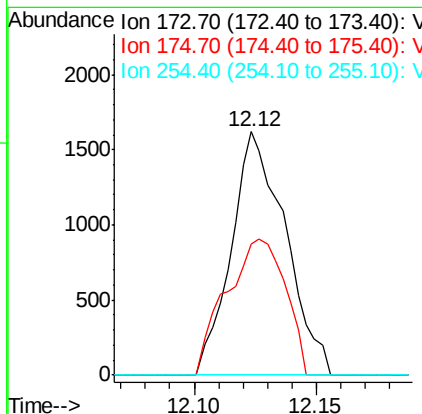
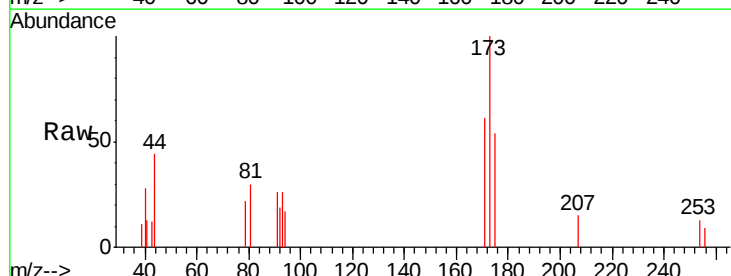
RT: 12.12 min Scan# 3219

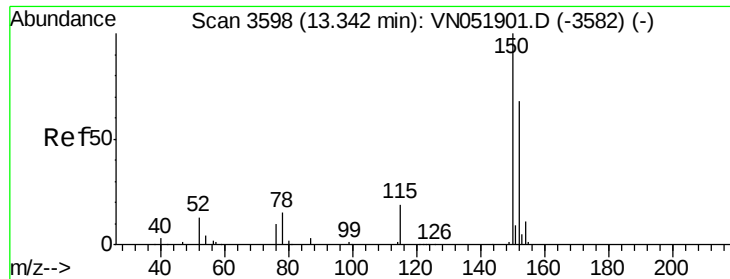
Delta R.T. -0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Tgt Ion	Ratio	Lower	Upper
173	100		
175	61.2	24.0	72.0
254	0.0	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:152 Resp: 300932
Ion Ratio Lower Upper

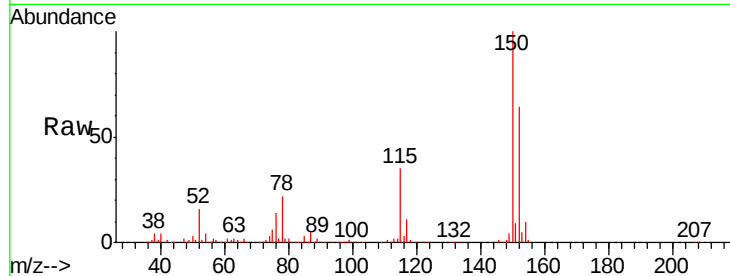
152 100

115 54.5 26.7 80.1

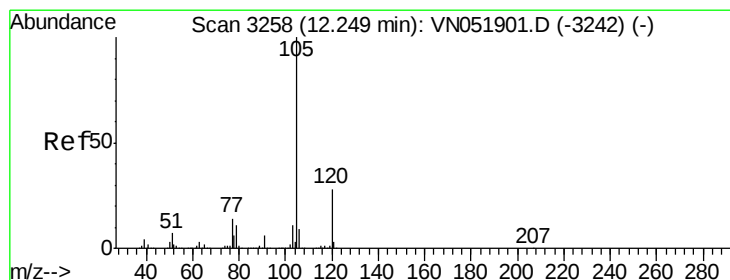
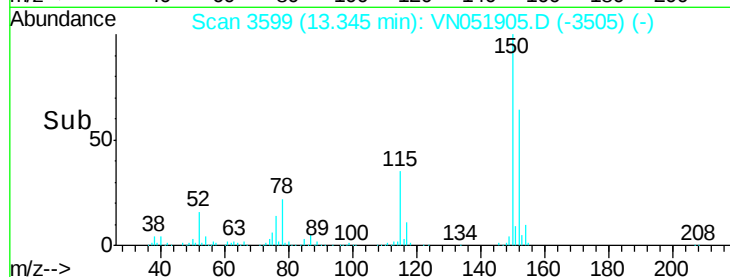
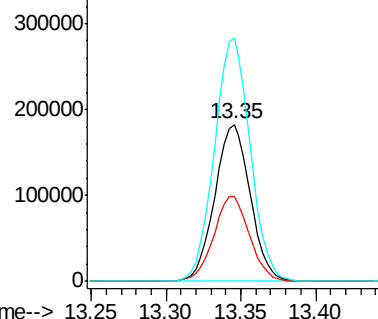
150 156.9 0.0 346.4

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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: 1.19 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

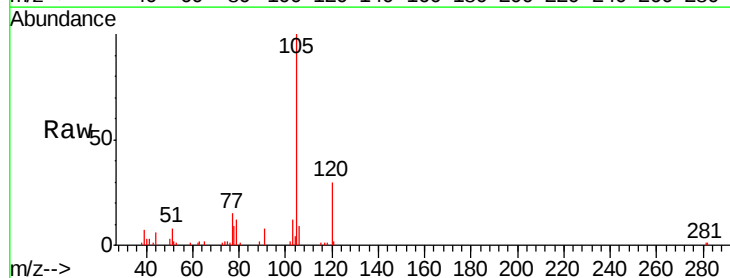
Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

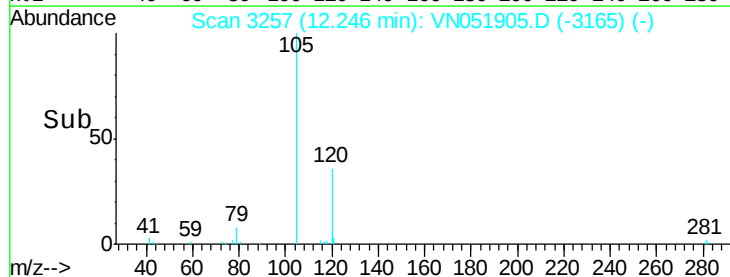
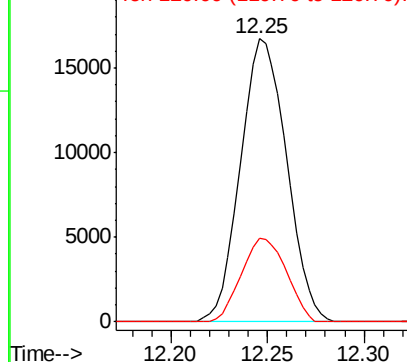
Tgt Ion:105 Resp: 27740
Ion Ratio Lower Upper

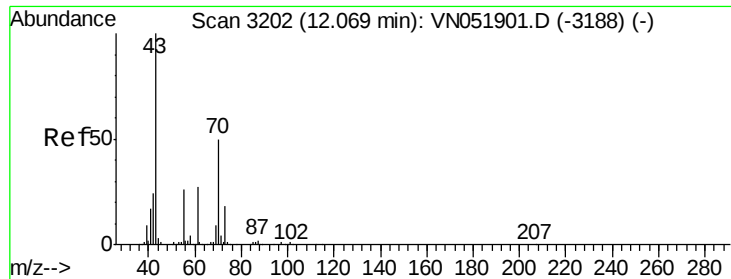
105 100

120 28.8 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





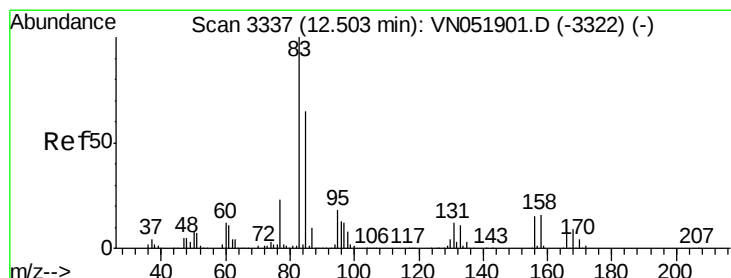
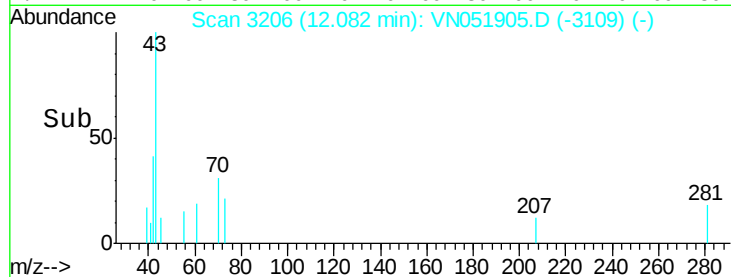
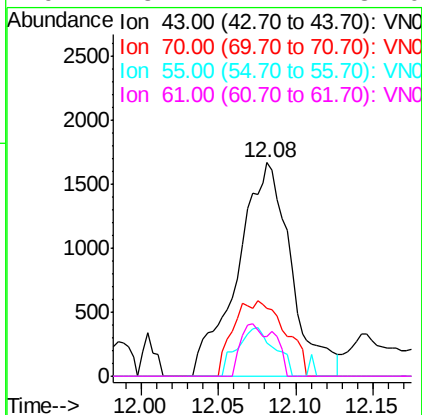
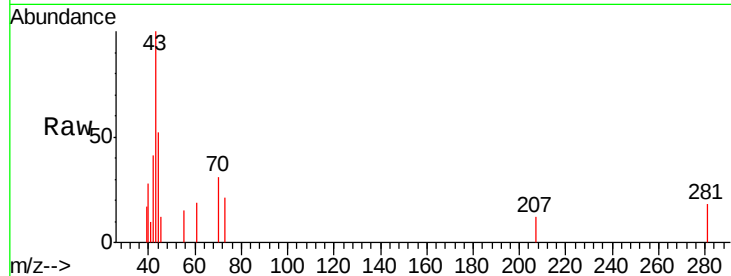
#74
N-ethyl acetate
Concen: 1.01 ug/l
RT: 12.08 min Scan# 3206
Delta R.T. 0.01 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
43	100		
70	14.0	40.1	60.1#
55	15.9	21.0	31.4#
61	15.2	21.4	32.0#

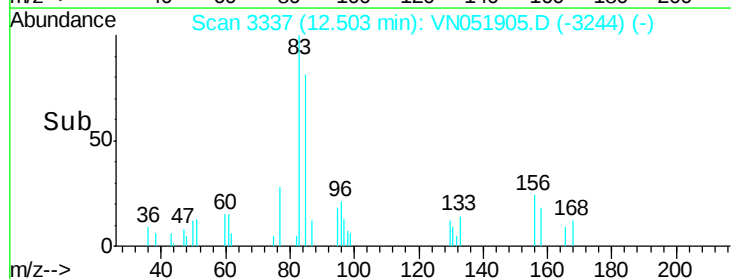
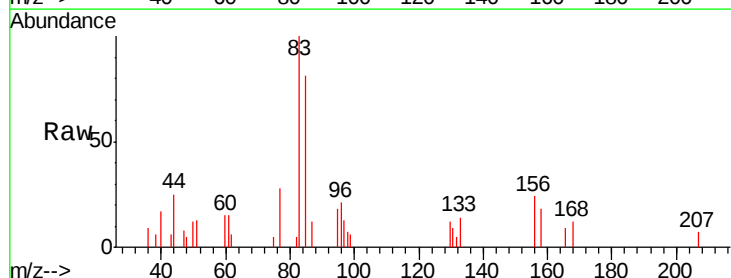
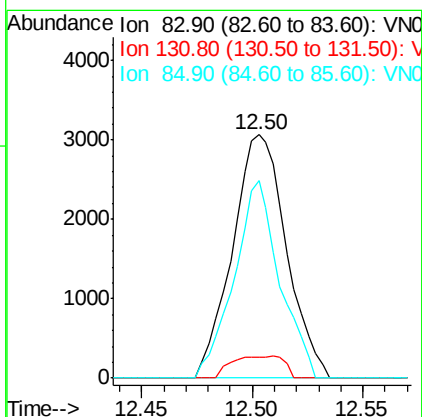
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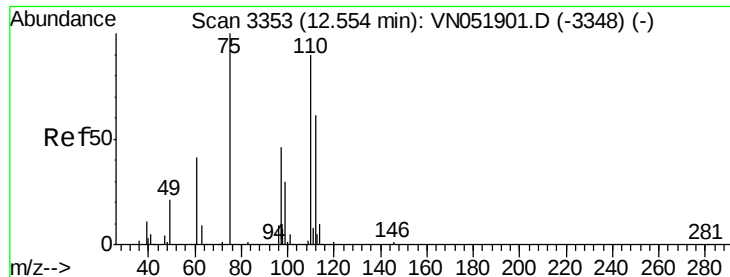
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#75
1,1,2,2-Tetrachloroethane
Concen: 1.10 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.8	6.2	18.6
85	68.5	32.6	97.7





#76

1,2,3-Trichloropropane

Concen: 1.06 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 4022

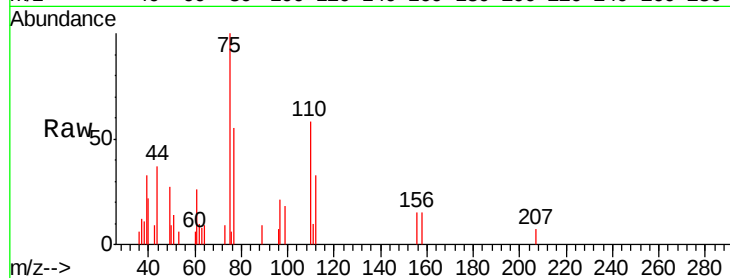
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

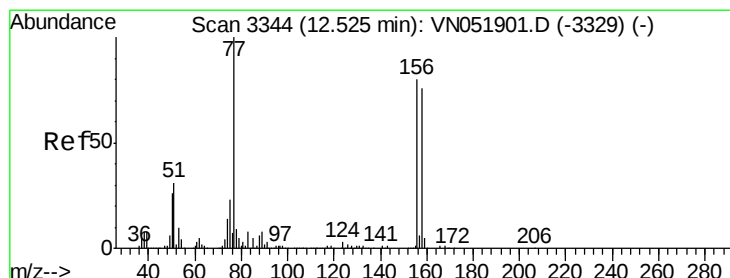
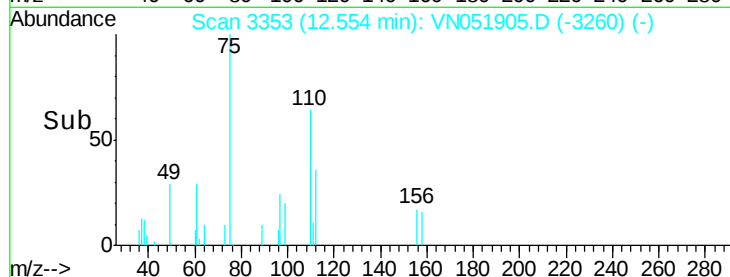
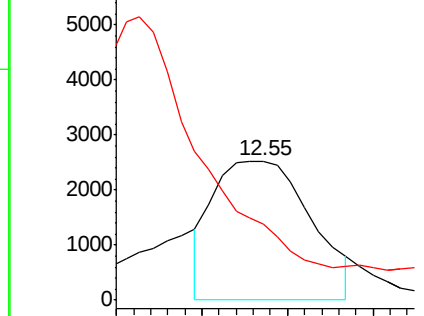
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Abundance Ion 74.90 (74.60 to 75.60): VN051901.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051901.D (-3348) (-)



#77

Bromobenzene

Concen: 1.14 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

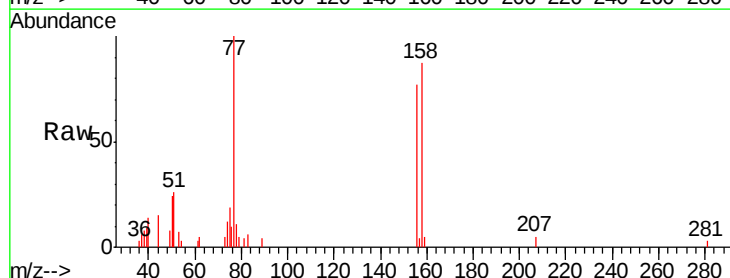
Tgt Ion: 156 Resp: 6781

Ion Ratio Lower Upper

156 100

77 154.7 73.0 219.0

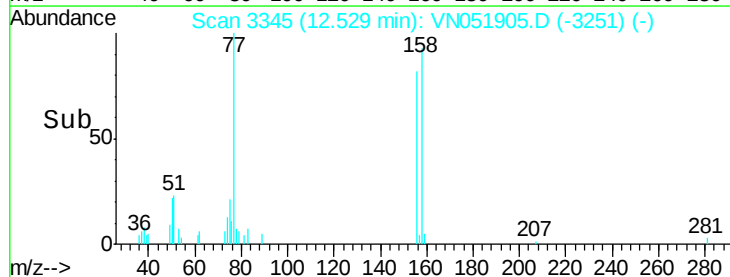
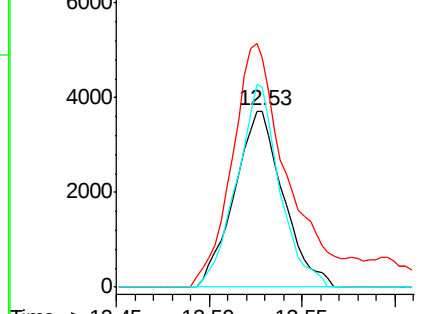
158 100.9 48.4 145.0

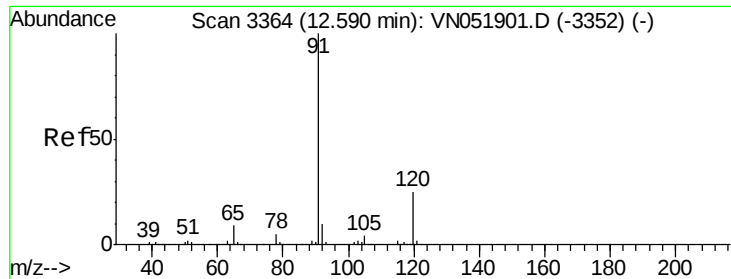


Abundance Ion 155.80 (155.50 to 156.50): VN051901.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN051901.D (-3329) (-)

Ion 157.80 (157.50 to 158.50): VN051901.D (-3329) (-)





#78

n-propylbenzene

Concen: 1.09 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 26375

Ion Ratio Lower Upper

91 100

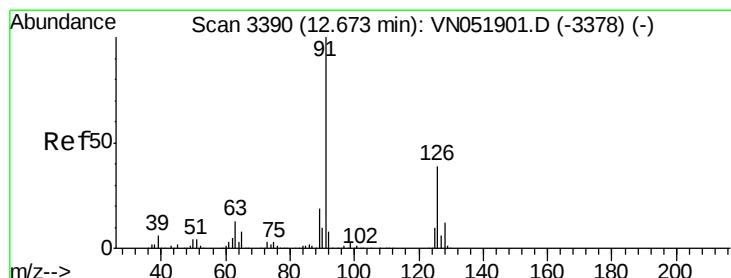
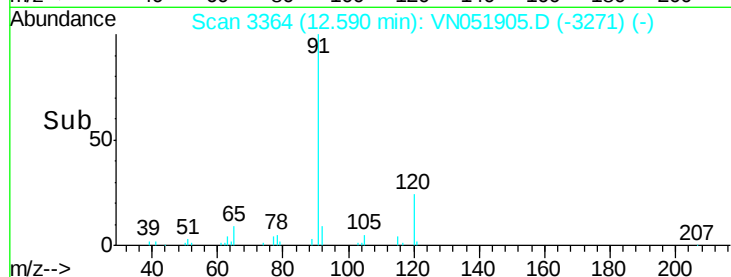
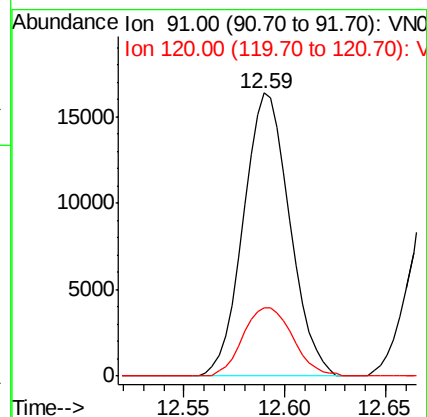
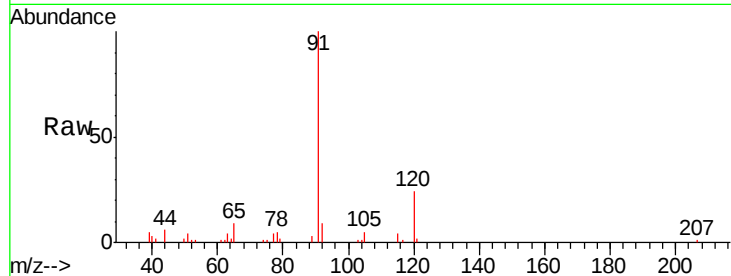
120 26.0 12.9 38.7

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#79

2-Chlorotoluene

Concen: 1.26 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051905.D

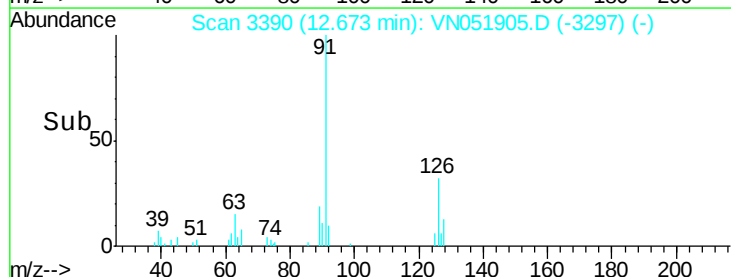
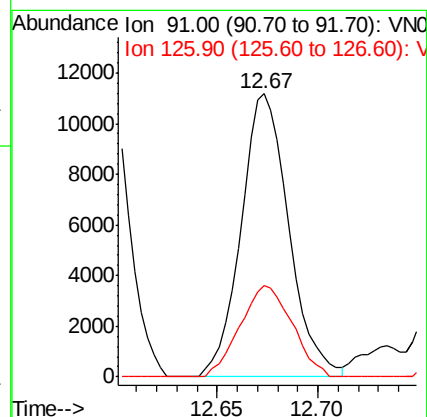
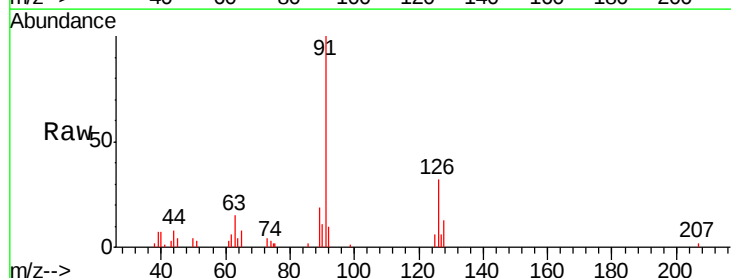
Acq: 17 Oct 2018 13:43

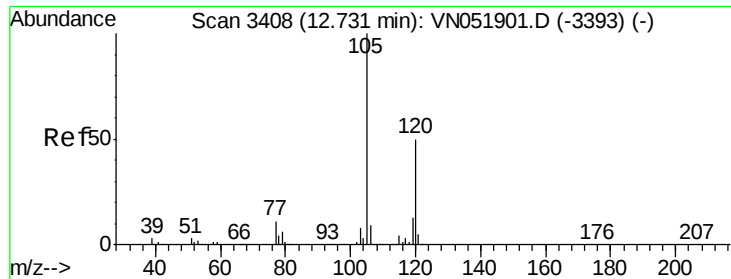
Tgt Ion: 91 Resp: 18532

Ion Ratio Lower Upper

91 100

126 35.0 19.6 58.7





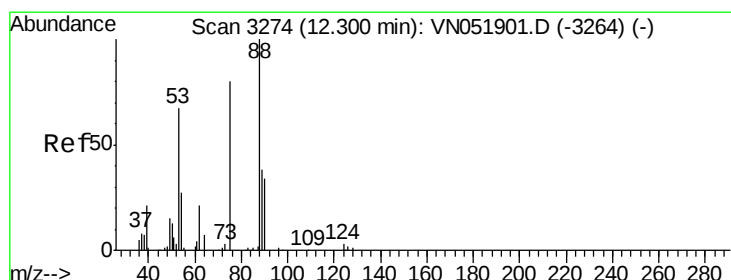
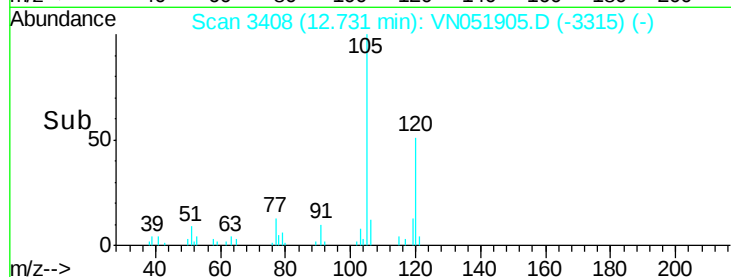
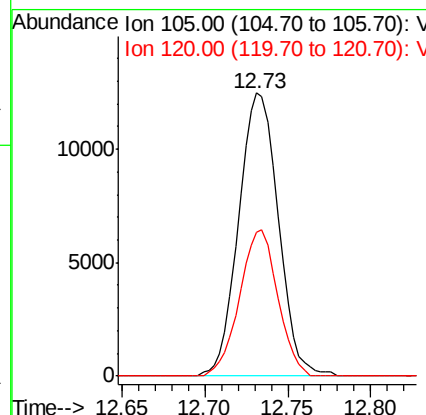
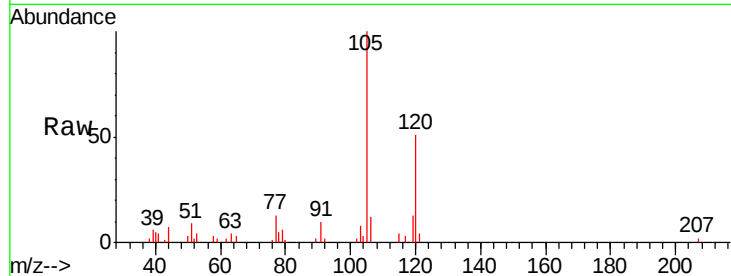
#80
 1,3,5-Trimethylbenzene
 Concen: 1.10 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion: 105 Resp: 20804
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.3 75.9

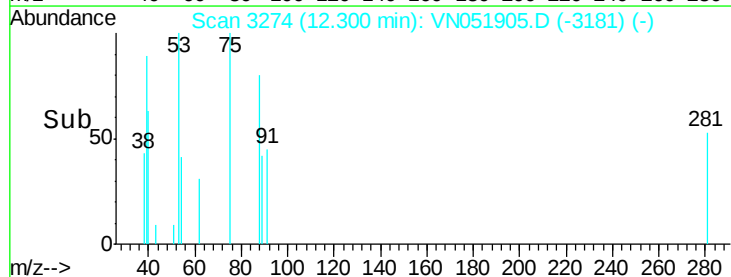
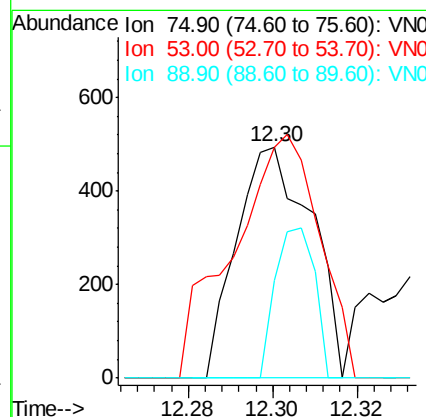
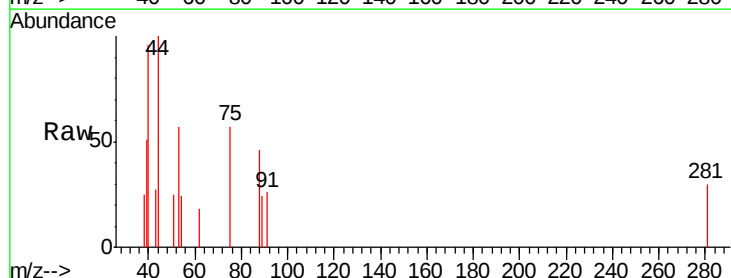
Manual Integrations
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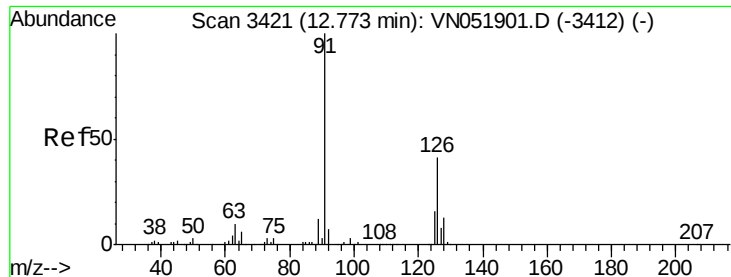
MMDadoda
 10/19/2018 3:29:36 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.60 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Tgt Ion: 75 Resp: 607
 Ion Ratio Lower Upper
 75 100
 53 122.1 68.5 102.7#
 89 34.1 39.0 58.6#





#82

4-Chlorotoluene

Concen: 1.11 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 15768

Ion Ratio Lower Upper

91 100

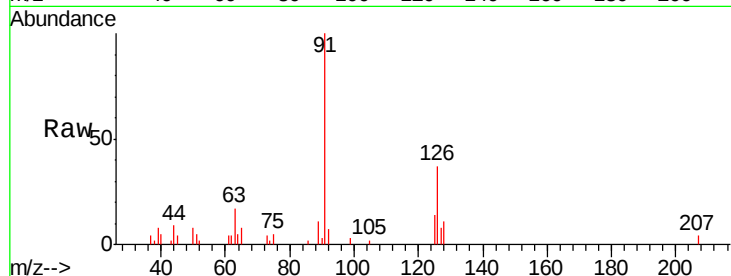
126 36.0 18.9 56.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN051901.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN051901.D (-3412) (-)

12.77

10000

8000

6000

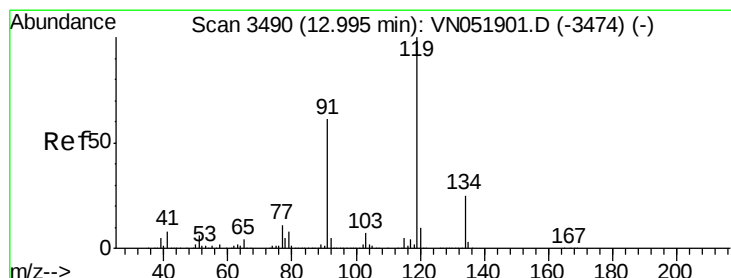
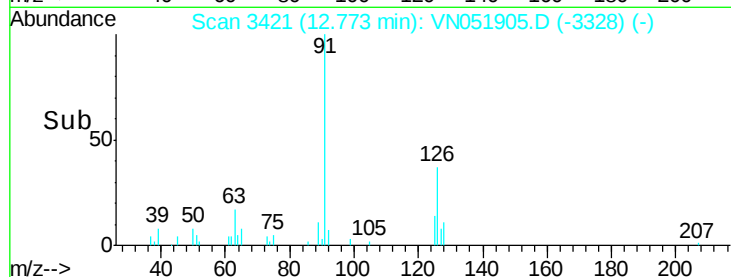
4000

2000

0

12.75 12.80

Time-->



#83

tert-Butylbenzene

Concen: 1.20 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

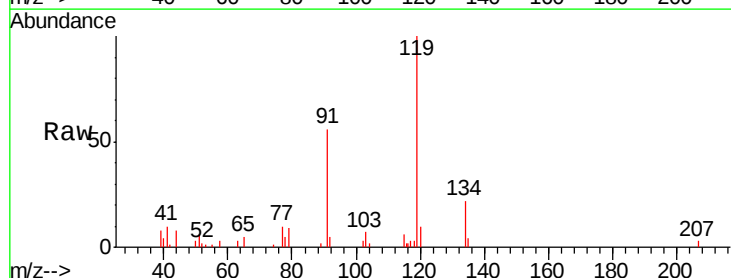
Tgt Ion: 119 Resp: 21236

Ion Ratio Lower Upper

119 100

91 57.9 30.3 90.9

134 25.2 13.4 40.1



Abundance Ion 119.00 (118.70 to 119.70): VN051901.D (-3474) (-)

Ion 91.00 (90.70 to 91.70): VN051901.D (-3474) (-)

Ion 134.00 (133.70 to 134.70): VN051901.D (-3474) (-)

12.99

15000

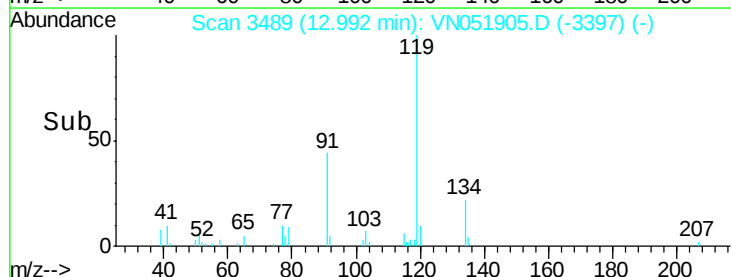
10000

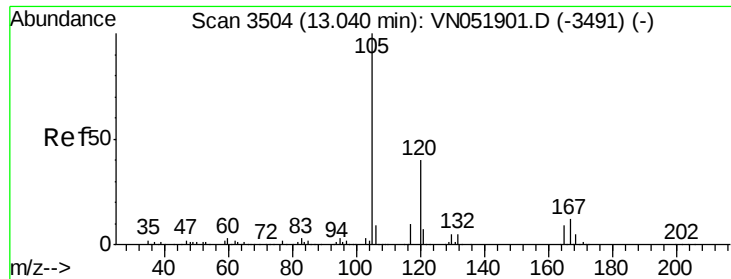
5000

0

12.95 13.00

Time-->





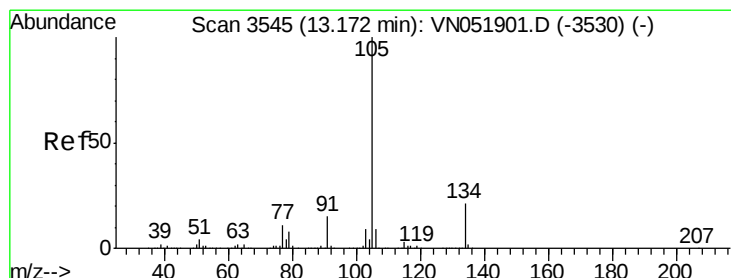
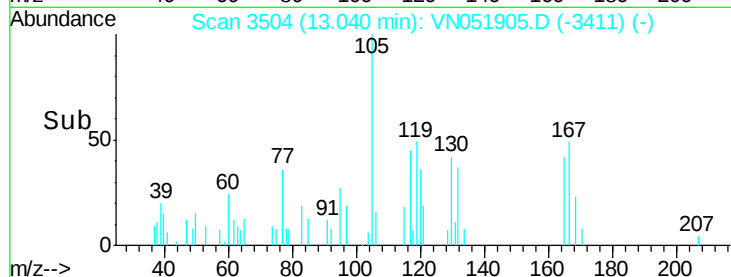
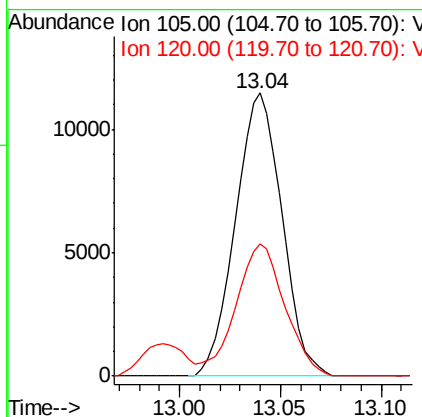
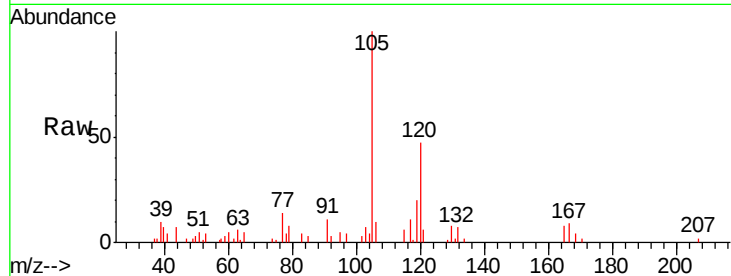
#84
 1,2,4-Trimethylbenzene
 Concen: 1.00 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion:105 Resp: 18536
 Ion Ratio Lower Upper
 105 100
 120 48.8 23.8 71.4

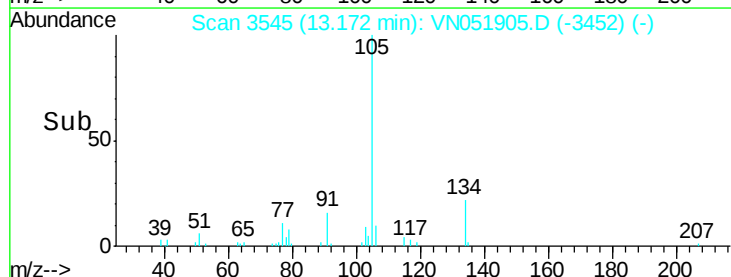
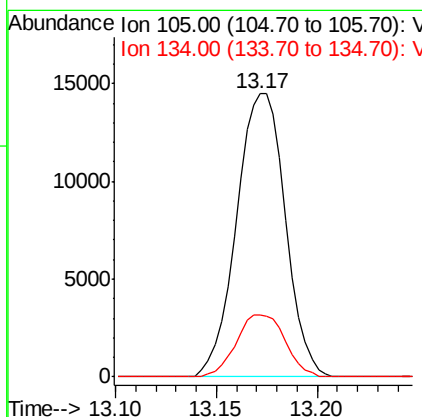
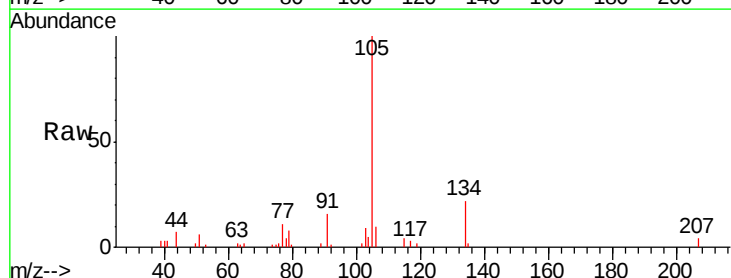
Manual Integrations
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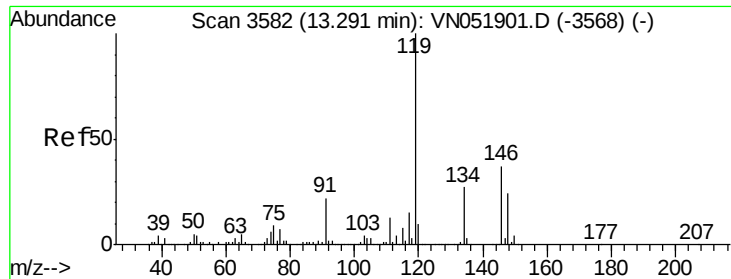
MMDadoda
 10/19/2018 3:29:36 PM



#85
 sec-Butylbenzene
 Concen: 1.09 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Tgt Ion:105 Resp: 24538
 Ion Ratio Lower Upper
 105 100
 134 22.0 10.8 32.3





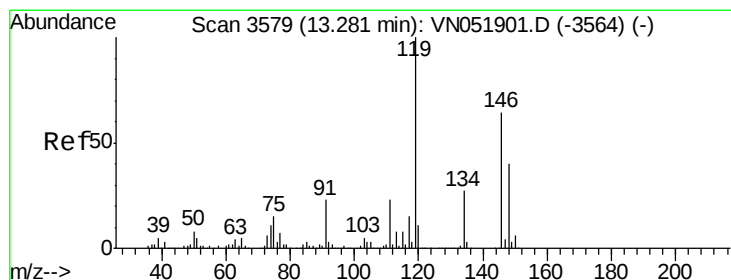
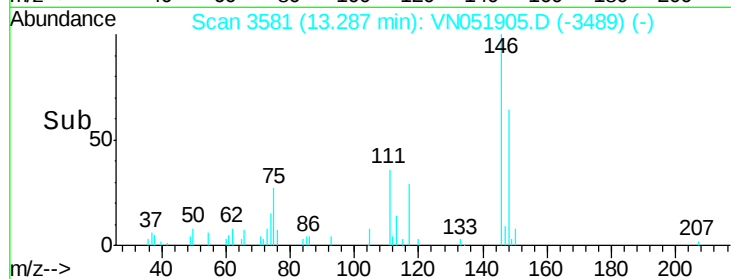
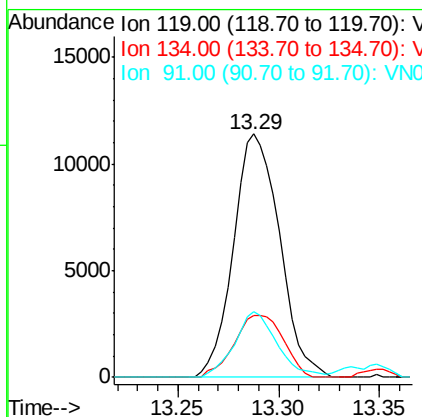
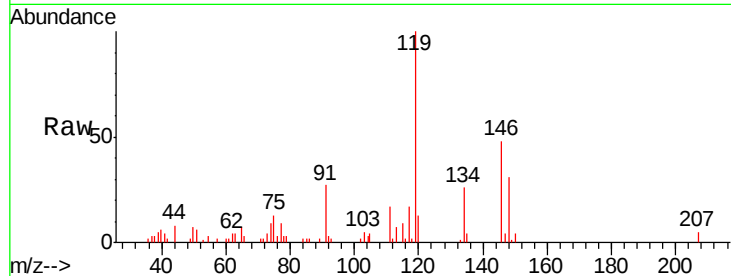
#86
p-Isopropyltoluene
Concen: 0.94 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. -0.00 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.8	41.3
91	25.0	10.9	32.9

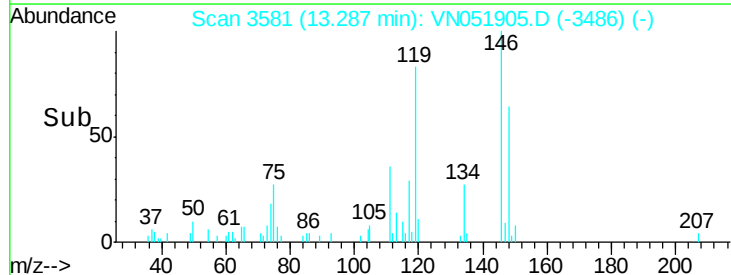
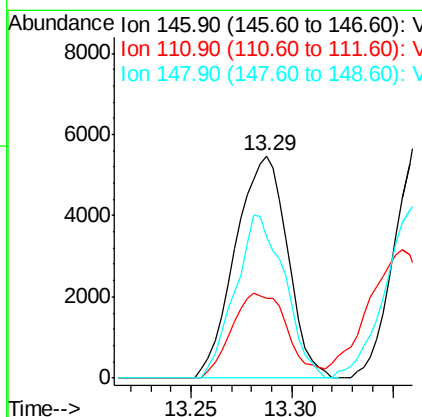
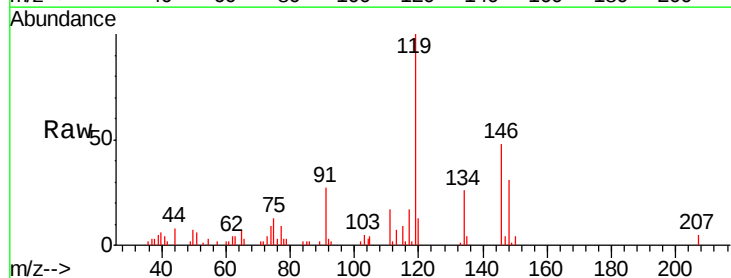
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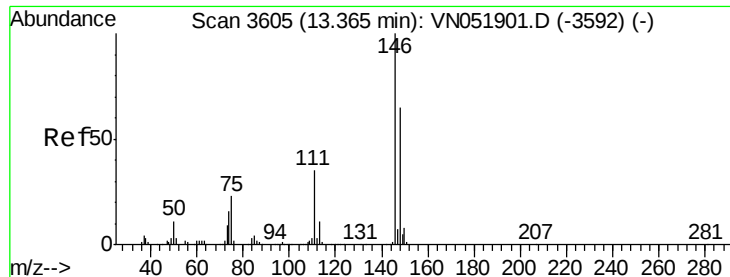
MMDadoda
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#87
1,3-Dichlorobenzene
Concen: 0.99 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.01 min
Lab File: VN051905.D
Acq: 17 Oct 2018 13:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	18.3	54.8
148	69.6	31.9	95.7





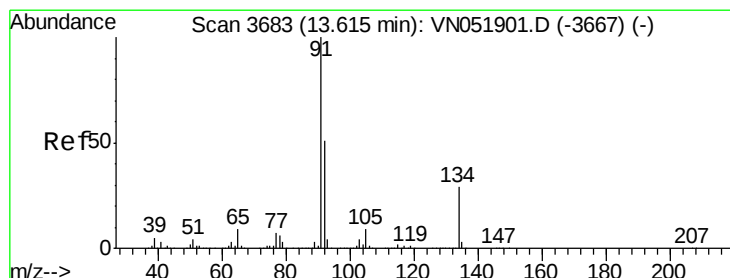
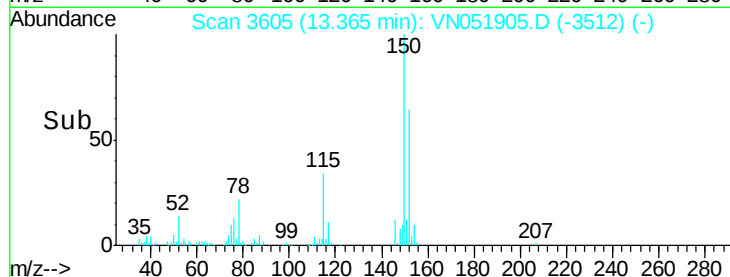
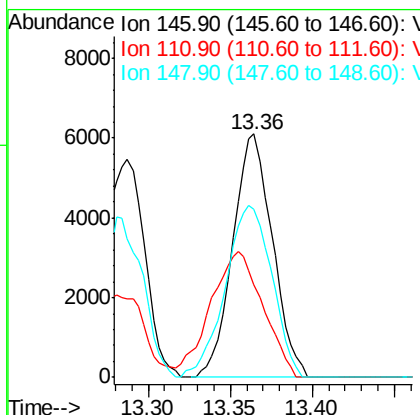
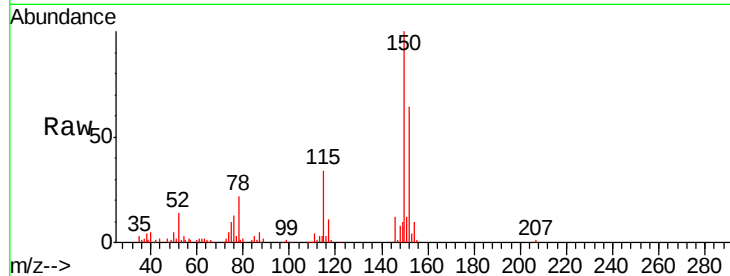
#88
 1,4-Dichlorobenzene
 Concen: 1.04 ug/l m
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	17.9	53.7
148	67.4	32.8	98.3

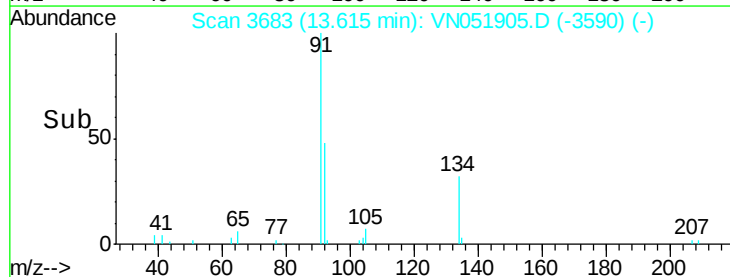
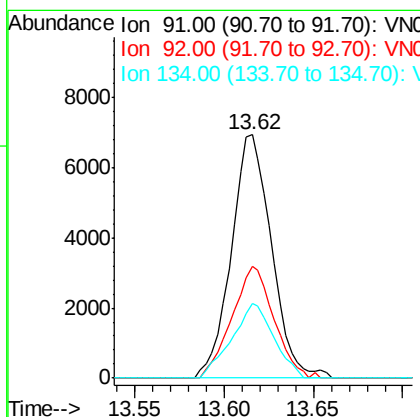
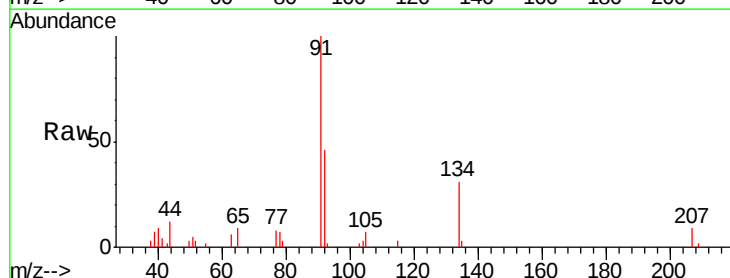
Manual Integrations
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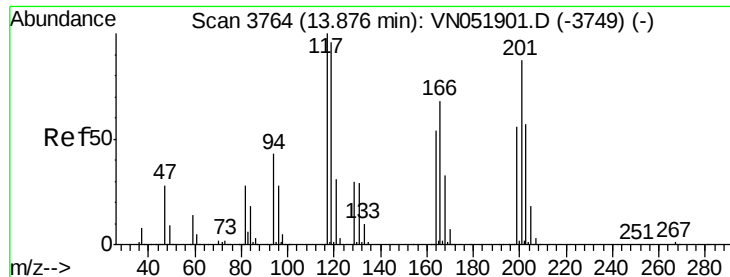
MMDadoda
 10/19/2018 3:29:36 PM



#89
 n-Butylbenzene
 Concen: 0.77 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	47.8	25.9	77.7
134	32.0	14.6	43.8





#90

Hexachloroethane

Concen: 0.99 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:117 Resp: 3213

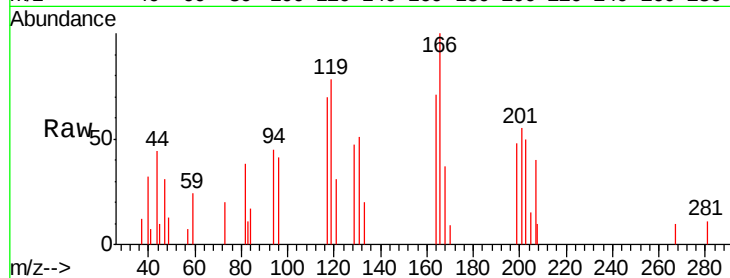
Ion Ratio Lower Upper

117 100

201 78.8 43.8 131.3

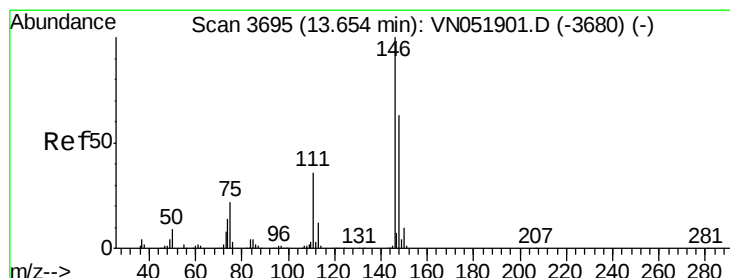
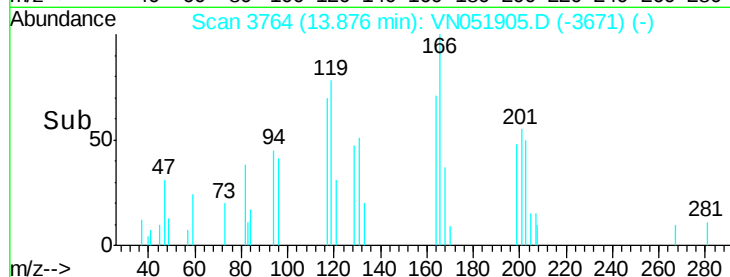
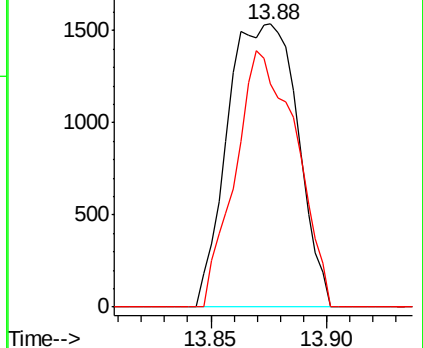
Manual Integrations
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.95 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

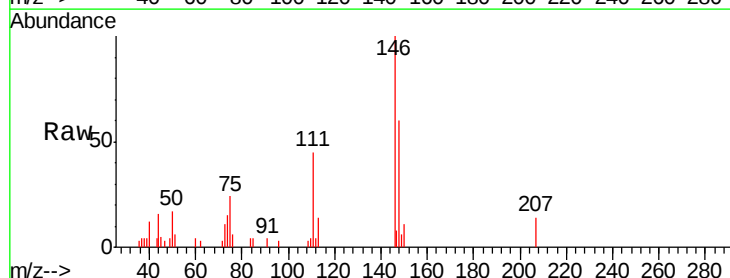
Tgt Ion:146 Resp: 9153

Ion Ratio Lower Upper

146 100

111 45.8 18.6 55.6

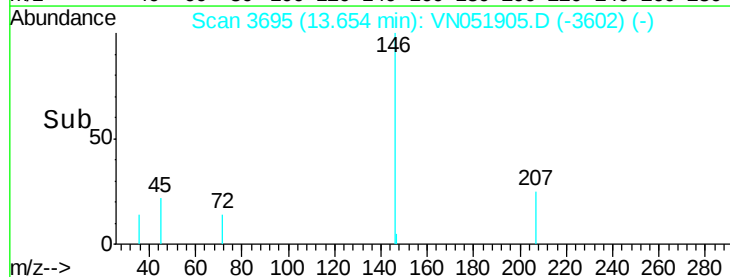
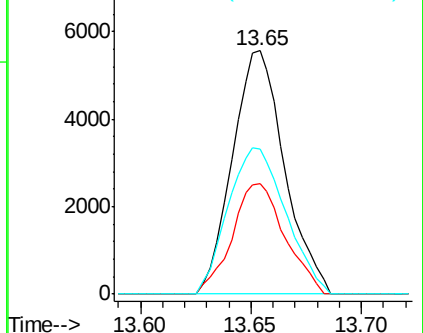
148 66.6 32.0 96.2

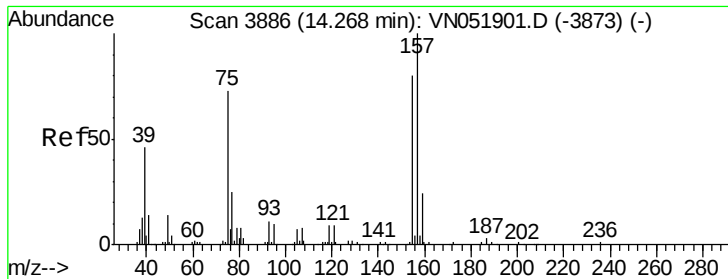


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





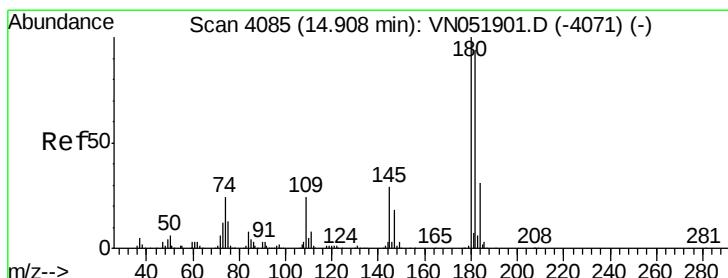
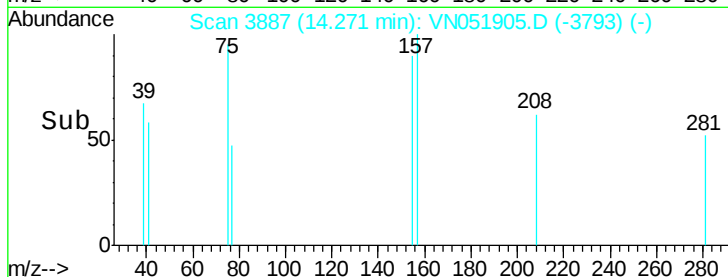
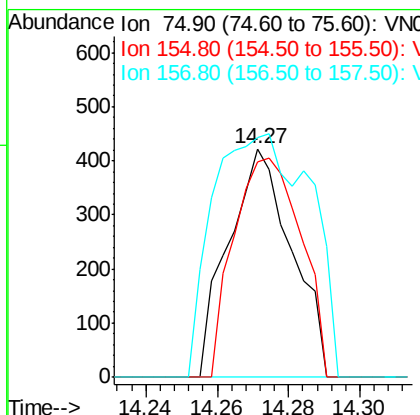
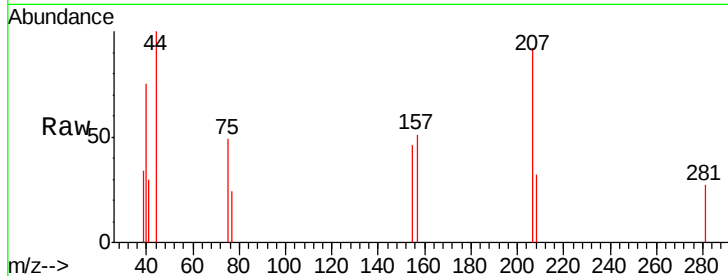
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.82 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.9	53.4	160.2
157	163.4	69.3	207.9

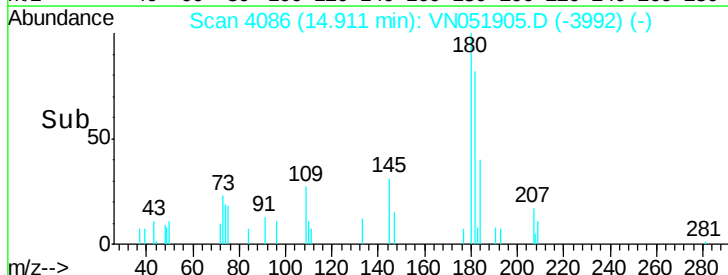
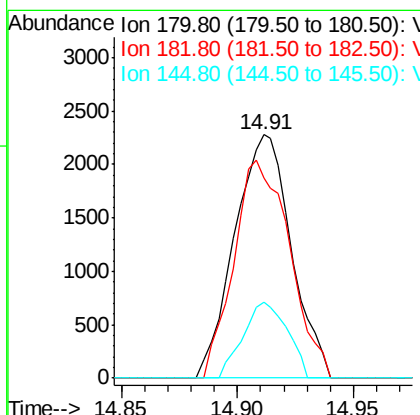
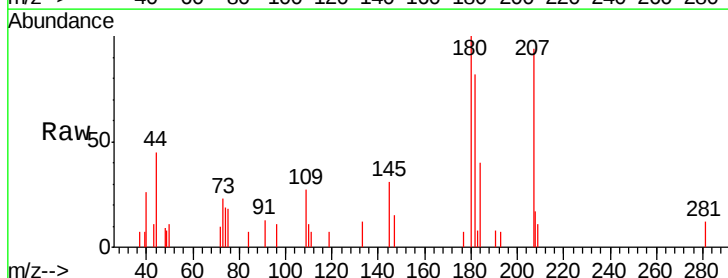
Manual Integrations
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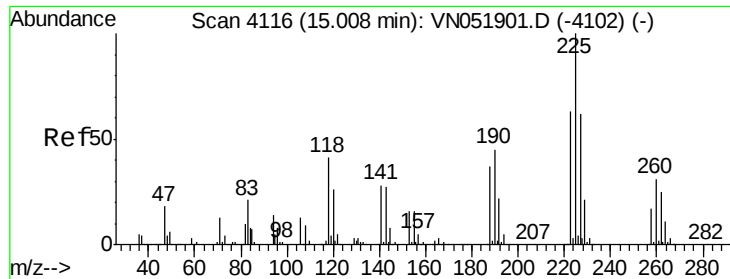
MMDadoda
 10/19/2018 3:29:36 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 0.92 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.2	47.3	141.9
145	24.5	14.5	43.5





#94

Hexachlorobutadiene

Concen: 1.00 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN051905.D

Acq: 17 Oct 2018 13:43

Instrument :

MSVOA_N

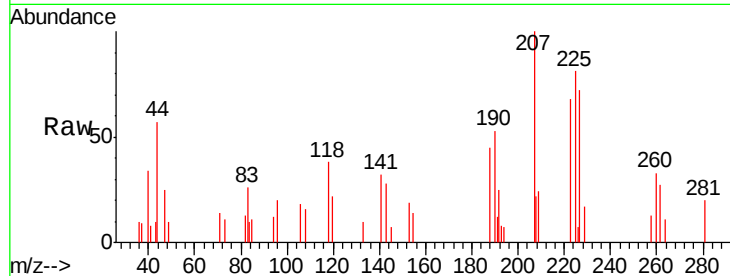
ClientSampled :

VSTDIC001

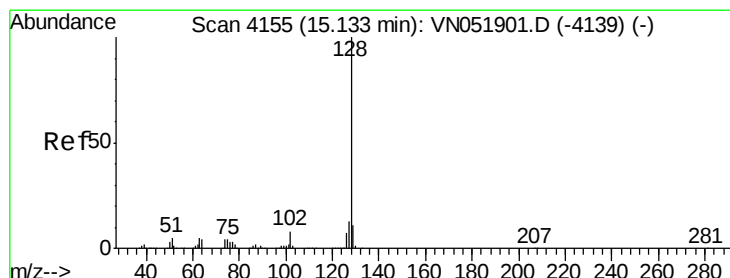
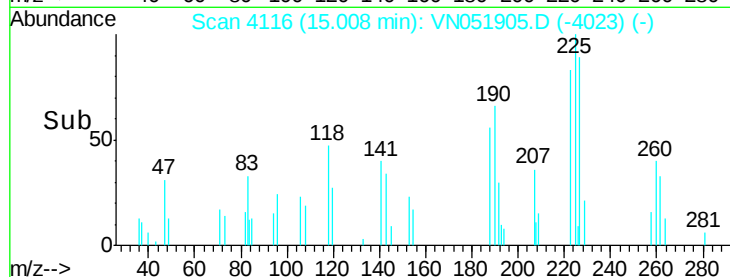
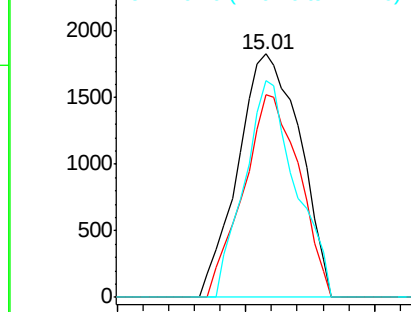
Tgt Ion:	225	Resp:	3073
Ion Ratio	Lower	Upper	
225	100		
223	74.8	32.0	96.2
227	73.3	31.9	95.9

Manual Integrations
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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: 0.86 ug/l

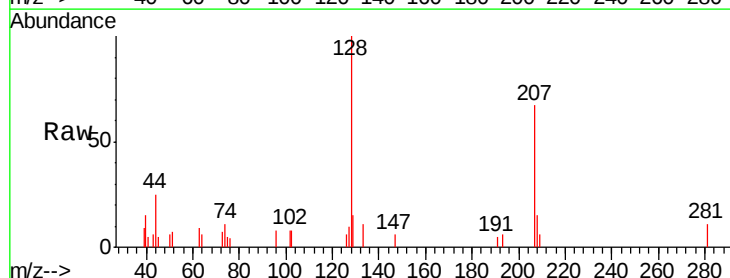
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

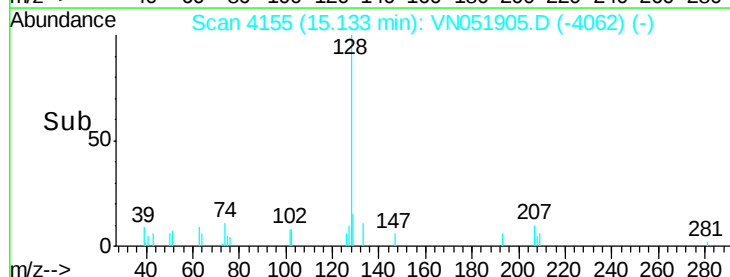
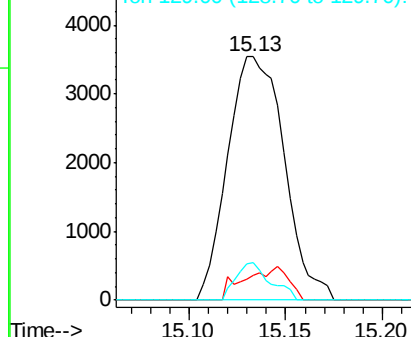
Lab File: VN051905.D

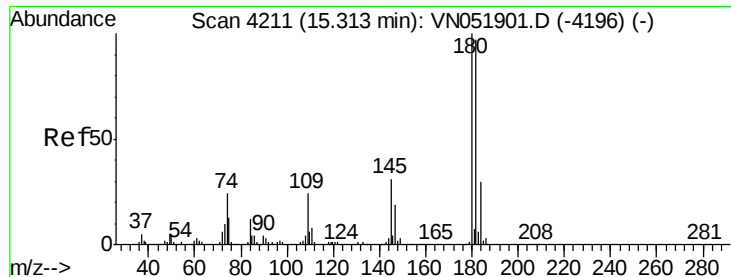
Acq: 17 Oct 2018 13:43

Tgt Ion:	128	Resp:	7202
Ion Ratio	Lower	Upper	
128	100		
127	10.7	10.2	15.2
129	9.3	8.5	12.7



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





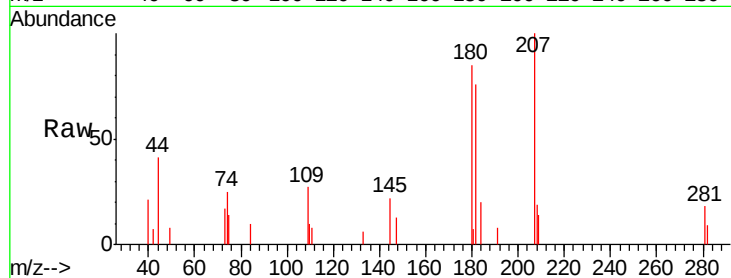
#96
 1,2,3-Trichlorobenzene
 Concen: 0.89 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN051905.D
 Acq: 17 Oct 2018 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.9	143.8
145	26.9	15.2	45.6

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 3:29:36 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

