

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062918\
 Data File : VN049636.D
 Acq On : 29 Jun 2018 17:23
 Operator : MD\SY
 Sample : VN0629WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD01

Manual Integrations
 APPROVED

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 7/2/2018 2:19:54 PM

Quant Time: Jun 30 01:41:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 29 15:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1366378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2123213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1878796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	983898	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	914543	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
35) Dibromofluoromethane	7.59	113	777582	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	10.09	98	3030375	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.40	95	1016572	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	312693	20.31	ug/l	98
3) Chloromethane	2.06	50	371385	19.31	ug/l	98
4) Vinyl Chloride	2.18	62	406994	19.70	ug/l	97
5) Bromomethane	2.56	94	209045	19.27	ug/l	96
6) Chloroethane	2.70	64	244378	18.69	ug/l	98
7) Trichlorofluoromethane	3.01	101	439778	18.64	ug/l	100
8) Diethyl Ether	3.41	74	186709	19.52	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	325884	19.20	ug/l	94
10) Methyl Iodide	3.95	142	430907	20.28	ug/l	91
11) Tert butyl alcohol	4.80	59	114325	110.41	ug/l #	88
12) 1,1-Dichloroethene	3.73	96	296663	18.49	ug/l	88
13) Acrolein	3.61	56	97159	100.45	ug/l	100
14) Allyl chloride	4.32	41	418764	19.00	ug/l	90
15) Acrylonitrile	4.99	53	557046	104.16	ug/l	97
16) Acetone	3.82	43	406386	105.66	ug/l	93
17) Carbon Disulfide	4.05	76	850815	19.04	ug/l	98
18) Methyl Acetate	4.33	43	343163	17.86	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	837385	20.24	ug/l	98
20) Methylene Chloride	4.55	84	339279	18.26	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	308835	18.70	ug/l	94
22) Diisopropyl ether	5.96	45	992201	19.89	ug/l	97
23) Vinyl Acetate	5.90	43	3218292	99.51	ug/l	96
24) 1,1-Dichloroethane	5.85	63	598979	19.06	ug/l	99
25) 2-Butanone	6.84	43	615026	102.67	ug/l	96
26) 2,2-Dichloropropane	6.82	77	497396	19.06	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	358194	19.41	ug/l	92
28) Bromochloromethane	7.20	49	285617	21.42	ug/l #	82
29) Tetrahydrofuran	7.22	42	412666	108.08	ug/l	93
30) Chloroform	7.37	83	609230	19.02	ug/l	100
31) Cyclohexane	7.65	56	534486	19.39	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	524548	19.34	ug/l	97
36) 1,1-Dichloropropene	7.79	75	446392	18.69	ug/l	97
37) Ethyl Acetate	6.94	43	294040	21.10	ug/l	99
38) Carbon Tetrachloride	7.77	117	423500	18.23	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
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Manual Integrations
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Quant Time: Jun 30 01:41:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 29 15:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	471935	18.02	ug/l	96
40) Benzene	8.04	78	1364035	18.70	ug/l	99
41) Methacrylonitrile	7.17	41	135456	18.21	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	434017	18.64	ug/l	98
43) Isopropyl Acetate	8.17	43	567801	20.18	ug/l #	89
44) Trichloroethene	8.84	130	402698	18.31	ug/l	93
45) 1,2-Dichloropropane	9.12	63	361003	19.16	ug/l	100
46) Dibromomethane	9.21	93	215498	18.90	ug/l	91
47) Bromodichloromethane	9.40	83	454583	18.73	ug/l	97
48) Methyl methacrylate	9.20	41	250743	20.25	ug/l	88
49) 1,4-Dioxane	9.20	88	70935	426.16	ug/l #	91
51) 4-Methyl-2-Pentanone	9.99	43	1401374	102.59	ug/l	94
52) Toluene	10.16	92	832709	18.90	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	431591	18.57	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	510275	18.79	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	309443	18.86	ug/l	97
56) Ethyl methacrylate	10.43	69	388672	20.21	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	507812	19.09	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	888008	95.01	ug/l	94
59) 2-Hexanone	10.75	43	936997	103.73	ug/l	93
60) Dibromochloromethane	10.90	129	334492	18.86	ug/l	100
61) 1,2-Dibromoethane	11.01	107	297760	18.94	ug/l	99
64) Tetrachloroethene	10.63	164	469958	18.47	ug/l	98
65) Chlorobenzene	11.44	112	909532	18.56	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	331071	18.80	ug/l	99
67) Ethyl Benzene	11.51	91	1525568	18.83	ug/l	97
68) m/p-Xylenes	11.62	106	1192978	38.42	ug/l	97
69) o-Xylene	11.95	106	572482	19.26	ug/l	95
70) Styrene	11.97	104	926124	19.25	ug/l	97
71) Bromoform	12.13	173	227035	19.40	ug/l	99
73) Isopropylbenzene	12.25	105	1511919	19.29	ug/l	99
74) N-amyl acetate	12.07	43	422670	19.74	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	351886	20.80	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	307501m	19.42	ug/l	
77) Bromobenzene	12.53	156	391184	18.36	ug/l	90
78) n-propylbenzene	12.59	91	1740698	19.38	ug/l	99
79) 2-Chlorotoluene	12.68	91	1048942	18.45	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1274624	19.57	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	88698	19.09	ug/l	97
82) 4-Chlorotoluene	12.77	91	1070720	18.73	ug/l	97
83) tert-Butylbenzene	12.99	119	1080208	19.31	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1290702	19.29	ug/l	98
85) sec-Butylbenzene	13.17	105	1436138	19.37	ug/l	99
86) p-Isopropyltoluene	13.29	119	1243433	19.37	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	704313	19.17	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	683055	19.00	ug/l	100
89) n-Butylbenzene	13.62	91	989942	18.01	ug/l	98
90) Hexachloroethane	13.88	117	123931	18.38	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	689107	19.20	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57111	20.28	ug/l	79

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VN0629WBSD01

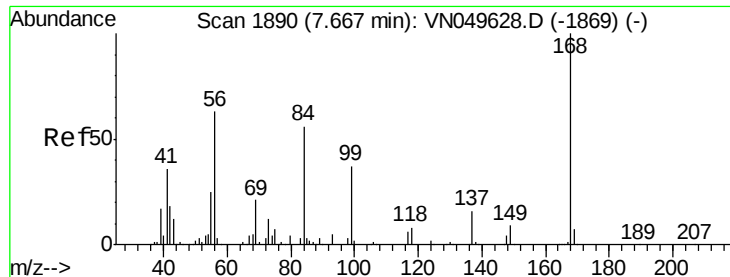
Manual Integrations
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Quant Time: Jun 30 01:41:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 29 15:11:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	302140	18.27	ug/l	98
94) Hexachlorobutadiene	15.01	225	215285	19.23	ug/l	97
95) Naphthalene	15.14	128	638755	19.08	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	306247	18.85	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD01

Tot Ion:168 Resp: 1366378

Ion Ratio Lower Upper

168 100

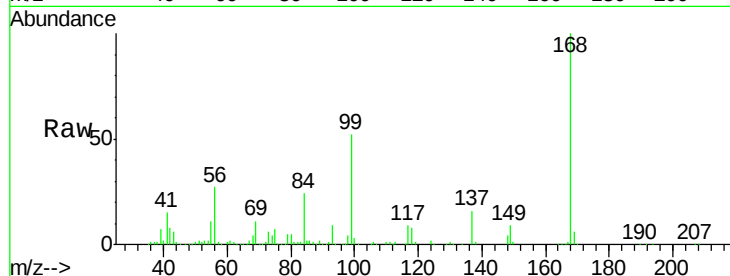
99 50.8 45.8 68.6

Manual Integrations

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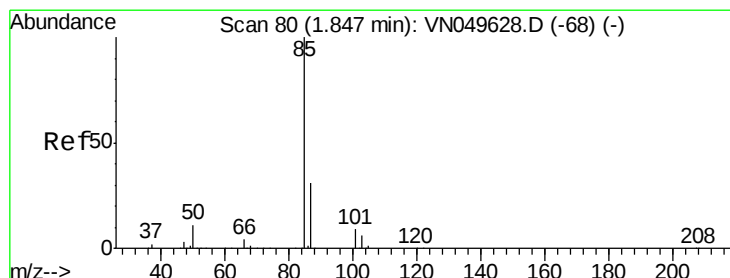
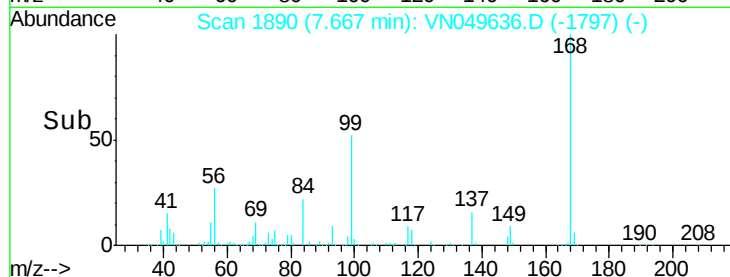
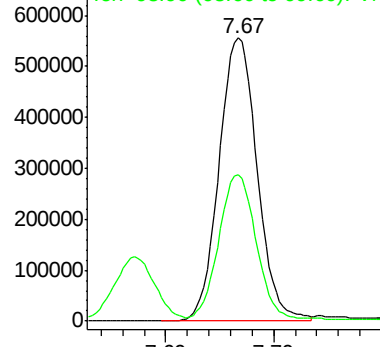
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 20.31 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049636.D

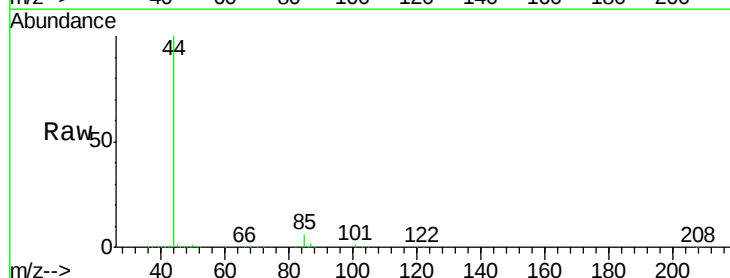
Acq: 29 Jun 2018 17:23

Tgt Ion: 85 Resp: 312693

Ion Ratio Lower Upper

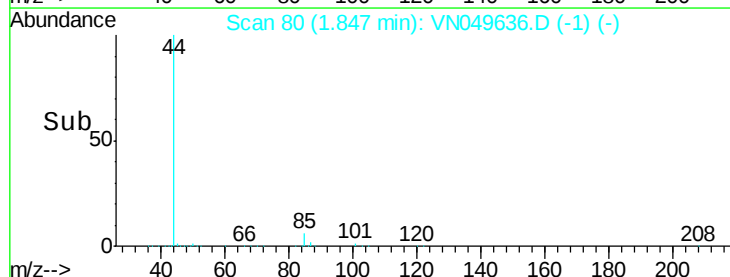
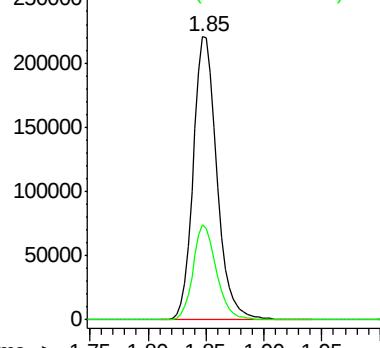
85 100

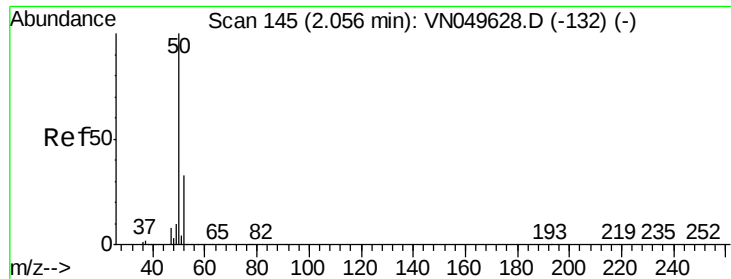
87 33.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.31 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD01

Tot Ion: 50 Resp: 371385

Ion Ratio Lower Upper

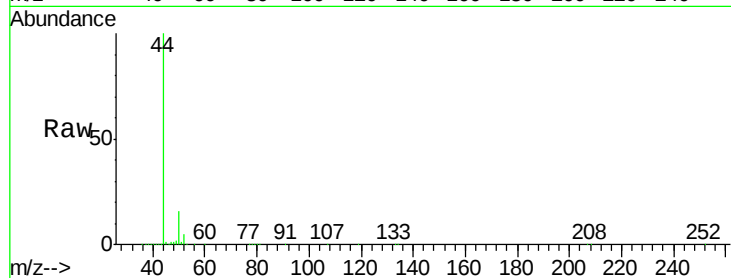
50 100

52 32.8 25.2 37.8

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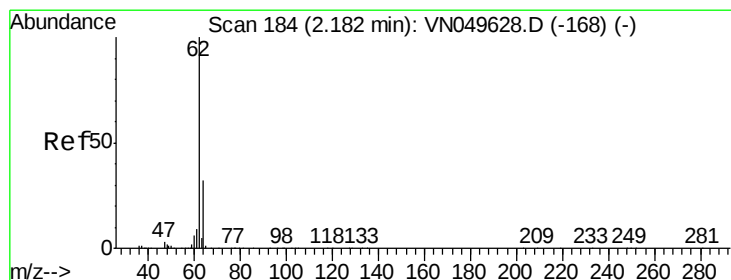
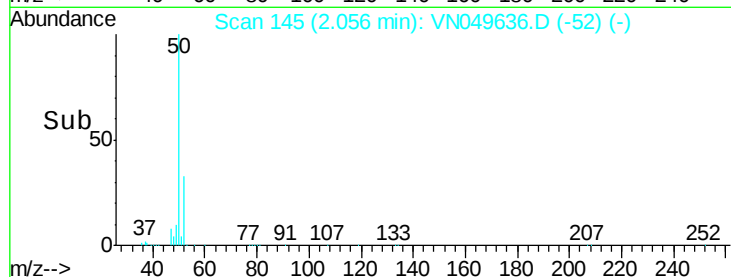
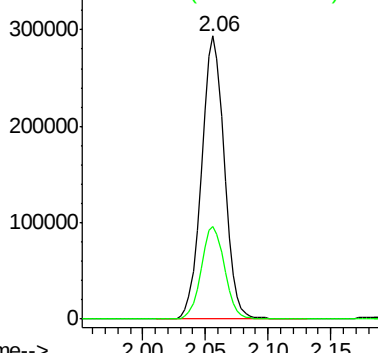
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.70 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049636.D

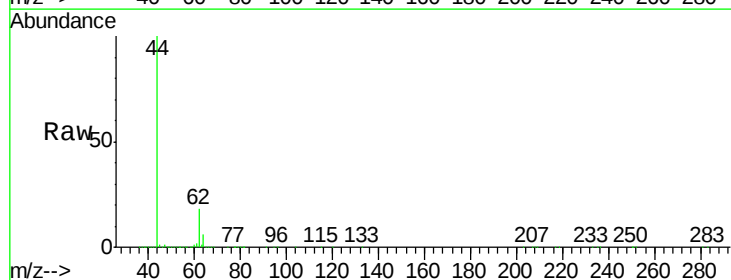
Acq: 29 Jun 2018 17:23

Tgt Ion: 62 Resp: 406994

Ion Ratio Lower Upper

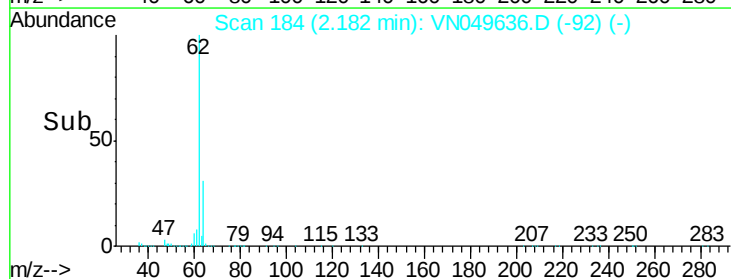
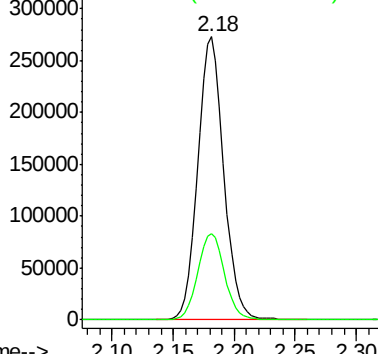
62 100

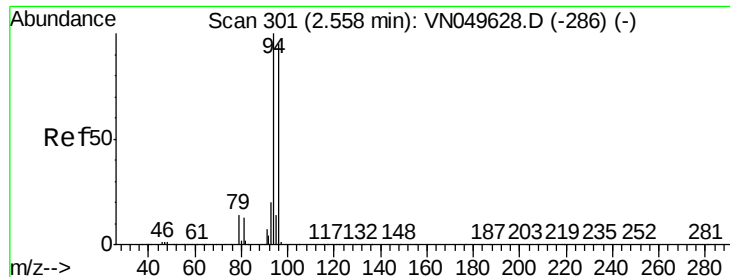
64 30.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.27 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD01

Tot Ion: 94 Resp: 209045

Ion Ratio Lower Upper

94 100

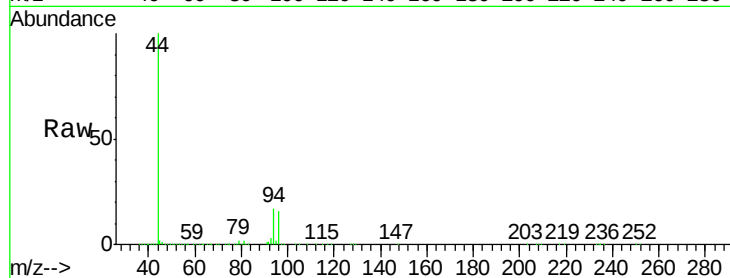
96 94.6 72.8 109.2

Manual Integrations

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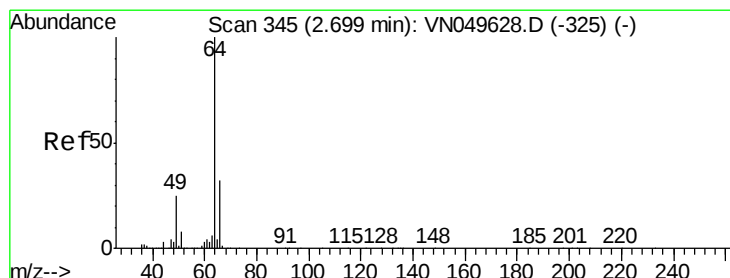
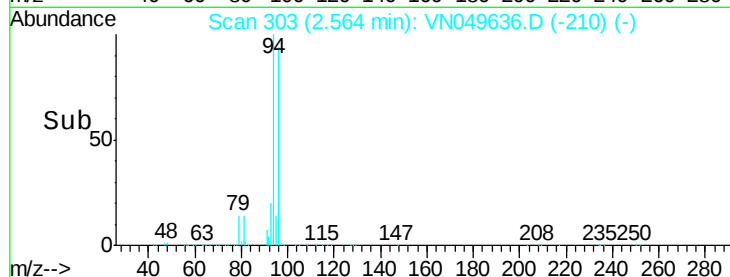
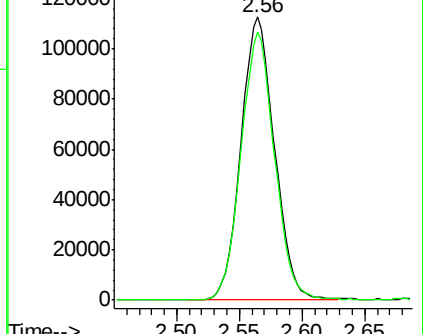
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.69 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049636.D

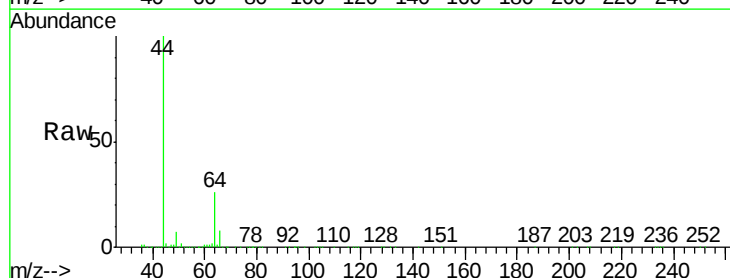
Acq: 29 Jun 2018 17:23

Tgt Ion: 64 Resp: 244378

Ion Ratio Lower Upper

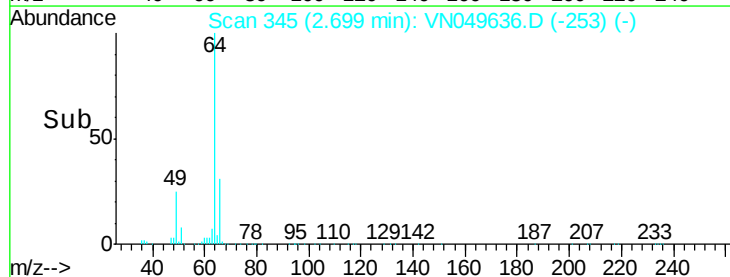
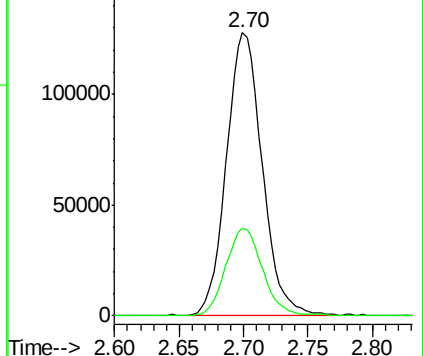
64 100

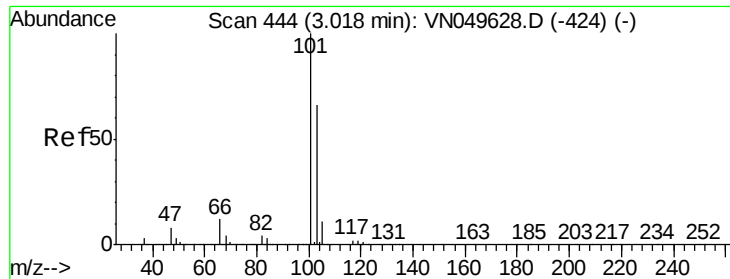
66 30.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

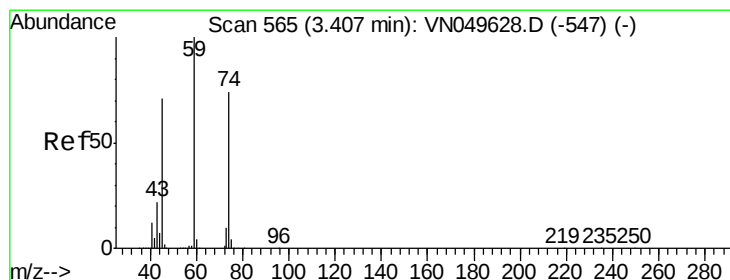
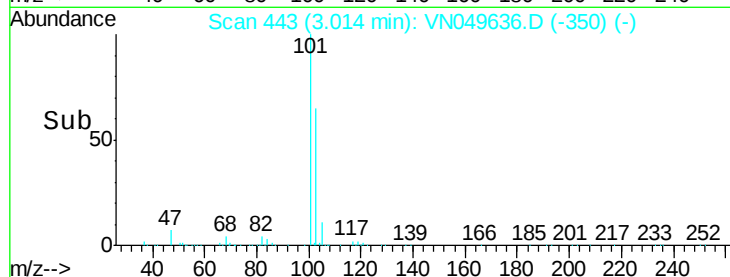
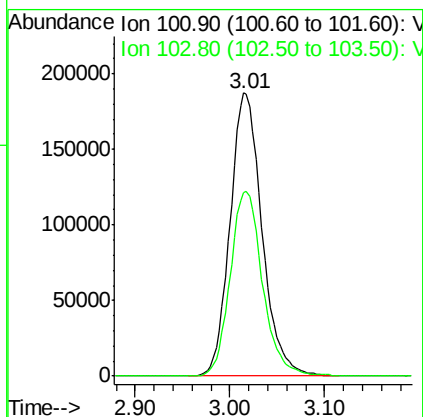
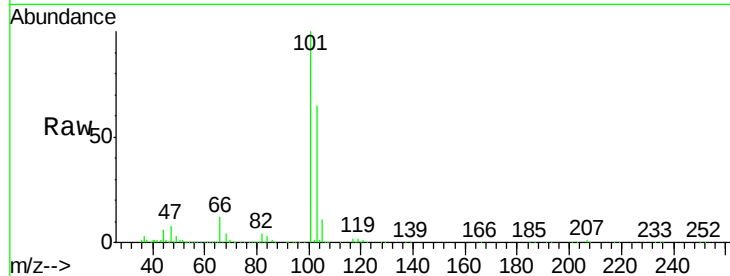
Trichlorofluoromethane
Concen: 18.64 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Instrument :
MSVOA_N
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VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.7	77.5

Manual Integrations
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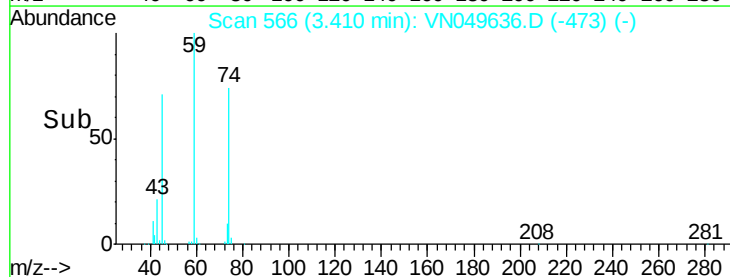
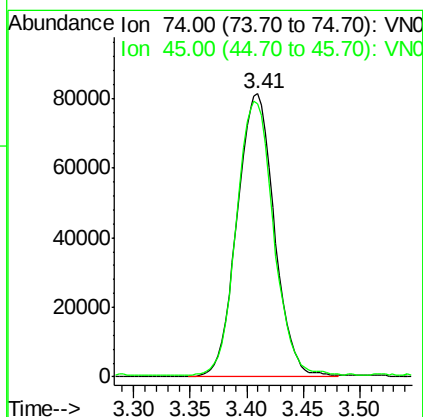
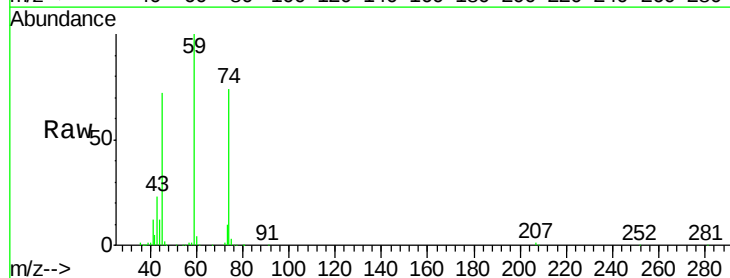
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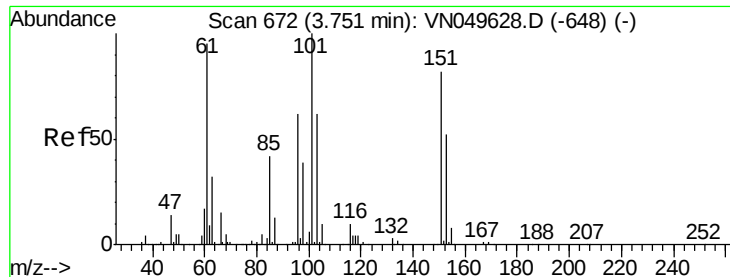


#8

Diethyl Ether
Concen: 19.52 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.20 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

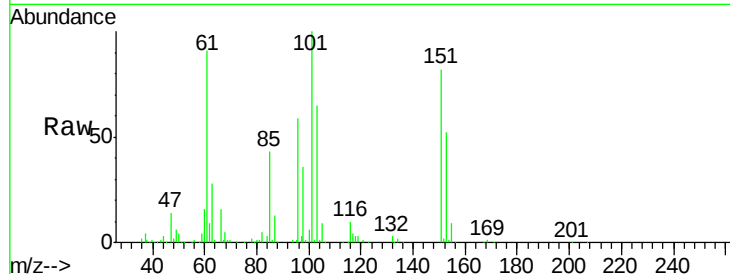
ClientSampled :

VN0629WBSD01

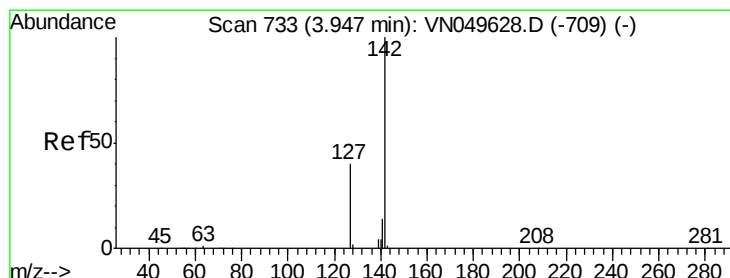
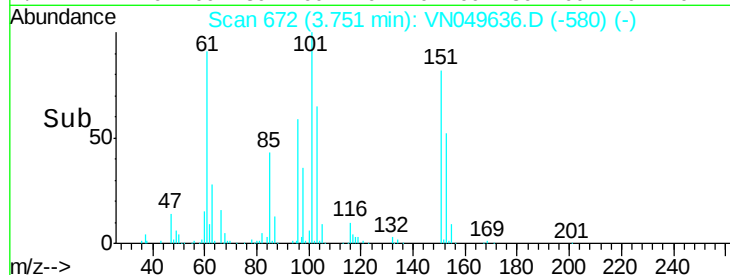
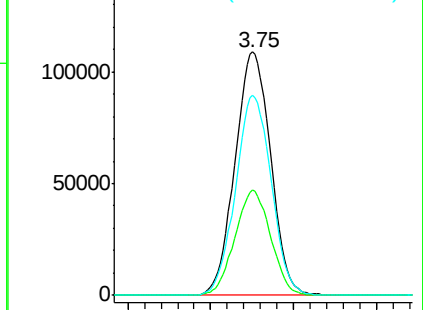
Tot Ion:	101	Resp:	325884
Ion Ratio	Lower	Upper	
101	100		
85	43.3	37.6	56.4
151	82.4	61.1	91.7

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



#10

Methyl Iodide

Concen: 20.28 ug/l

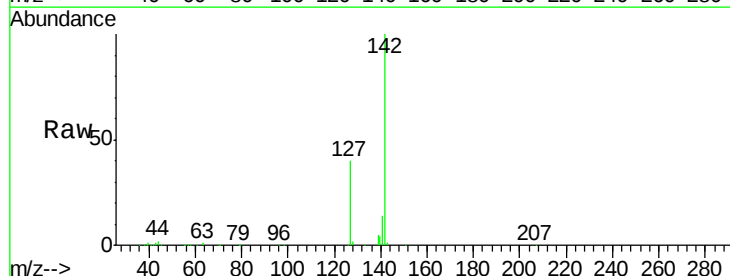
RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

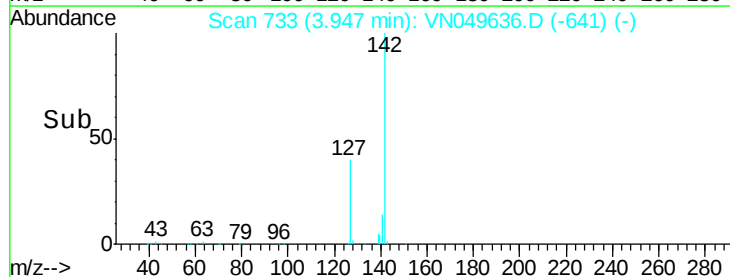
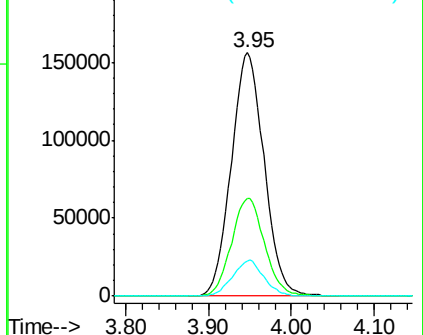
Lab File: VN049636.D

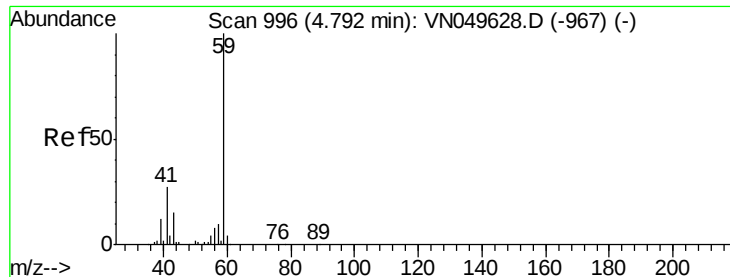
Acq: 29 Jun 2018 17:23

Tgt Ion:	142	Resp:	430907
Ion Ratio	Lower	Upper	
142	100		
127	40.6	38.2	57.4
141	14.0	11.9	17.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

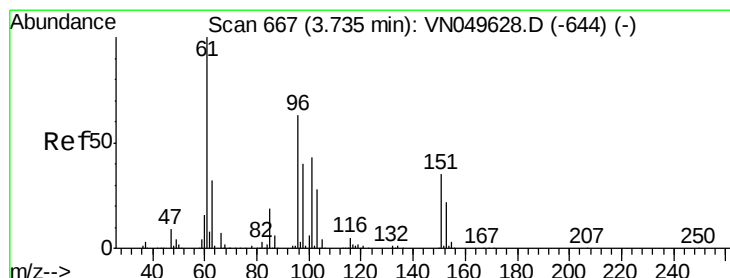
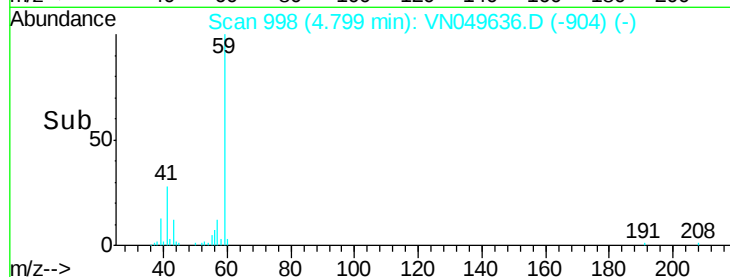
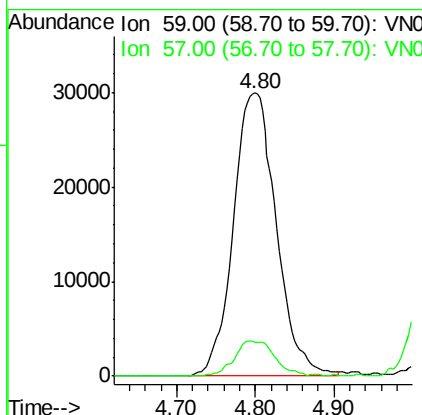
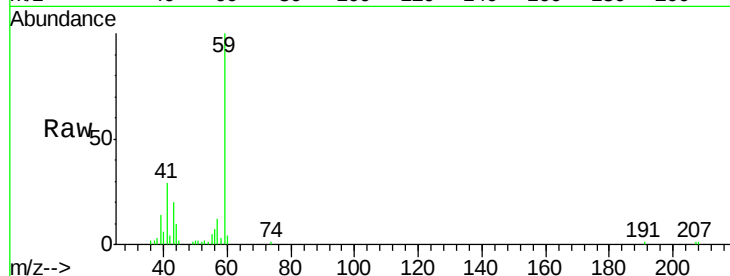
Tert butyl alcohol
Concen: 110.41 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Instrument :
MSVOA_N
ClientSampled :
VN0629WBSD01

Tot Ion	59	Resp	114325
Ion Ratio	100	Lower	Upper
57	6.6	9.0	13.6#

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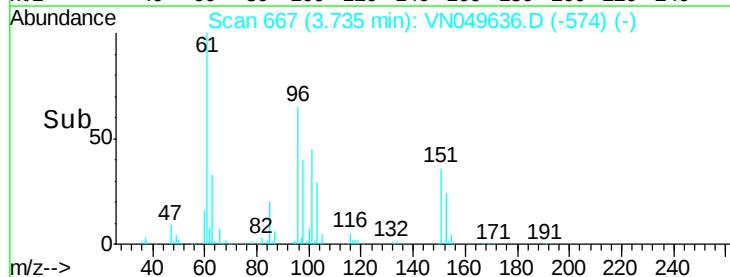
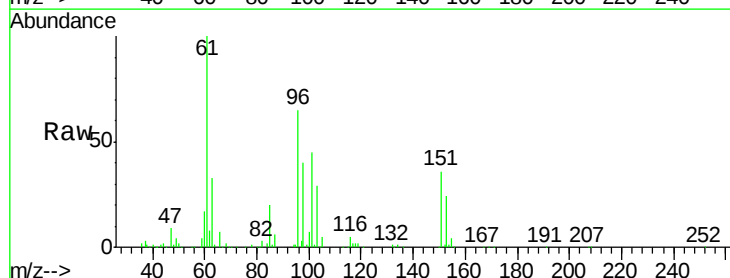
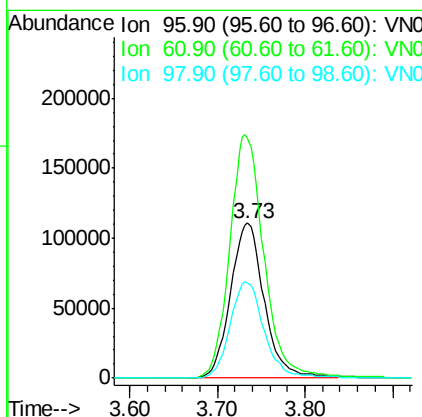
apatel
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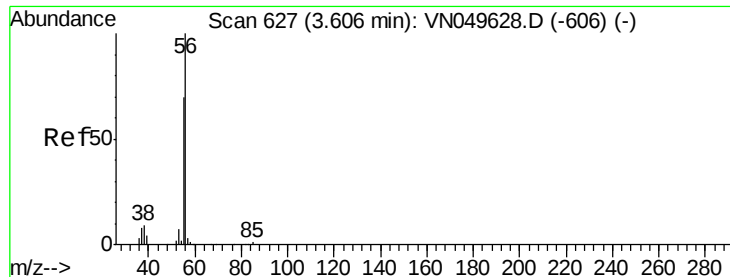


#12

1,1-Dichloroethene
Concen: 18.49 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Tgt Ion	96	Resp	296663
Ion Ratio	100	Lower	Upper
61	154.4	141.0	211.4
98	61.8	50.4	75.6





#13

Acrolein

Concen: 100.45 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD01

Tot Ion: 56 Resp: 97159

Ion Ratio Lower Upper

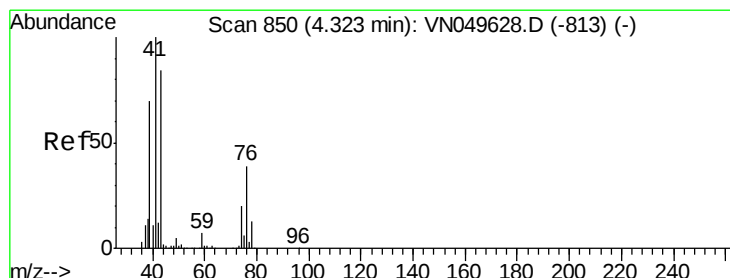
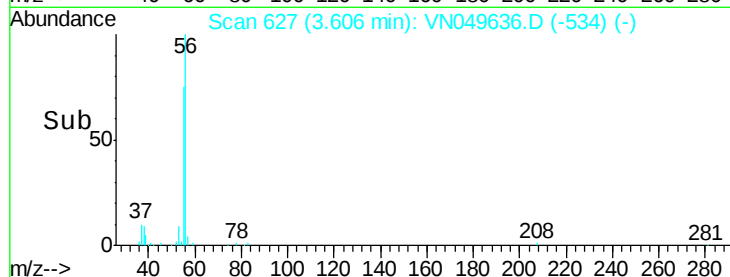
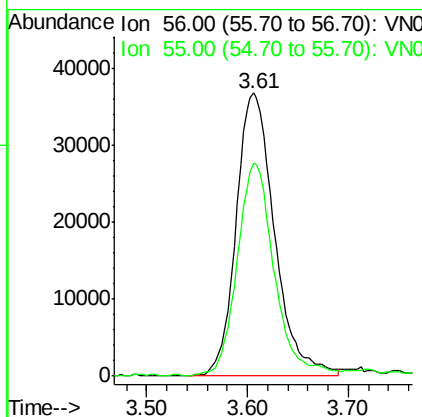
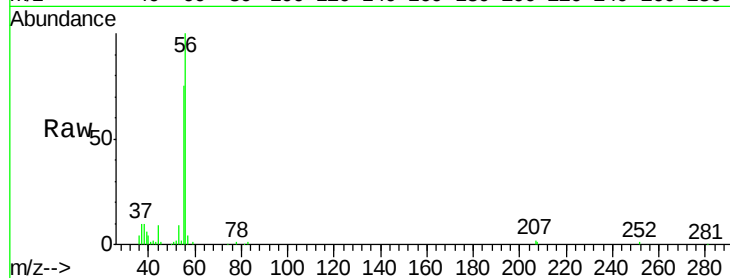
56 100

55 71.1 57.1 85.7

Manual Integrations
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#14

Allyl chloride

Concen: 19.00 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

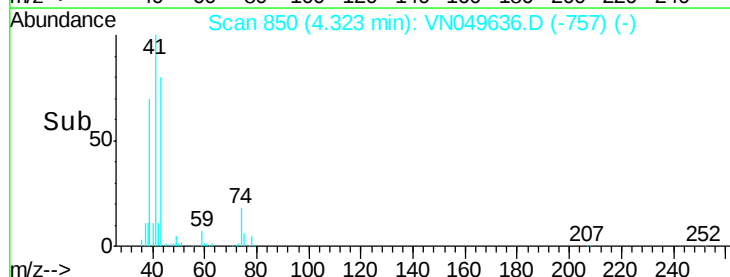
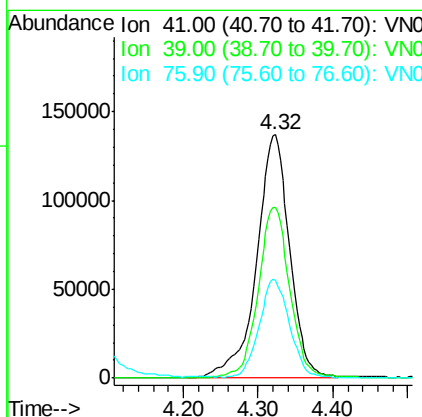
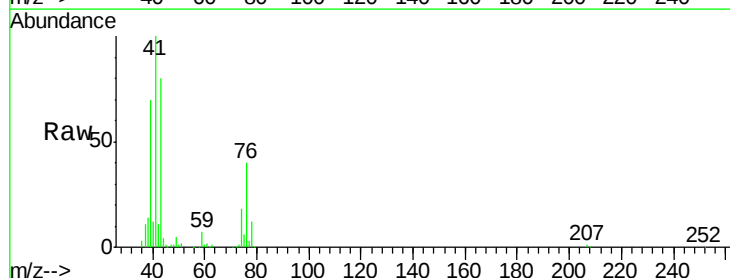
Tgt Ion: 41 Resp: 418764

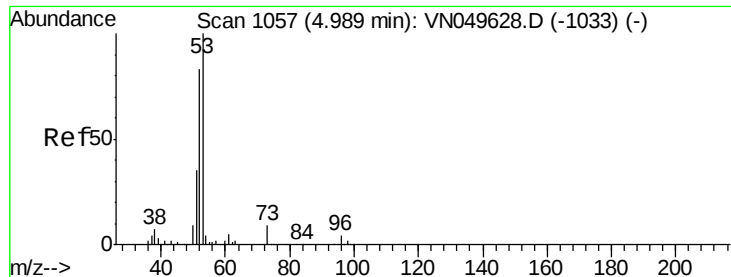
Ion Ratio Lower Upper

41 100

39 67.0 62.5 93.7

76 36.8 27.1 40.7





#15

Acrylonitrile

Concen: 104.16 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

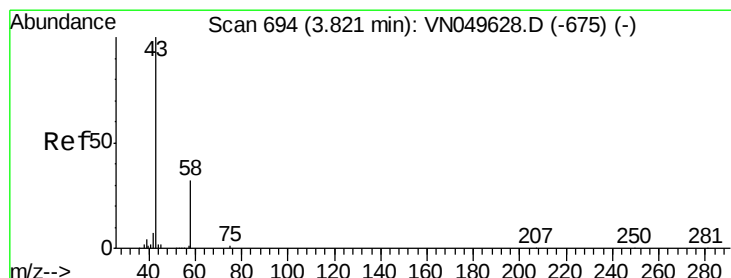
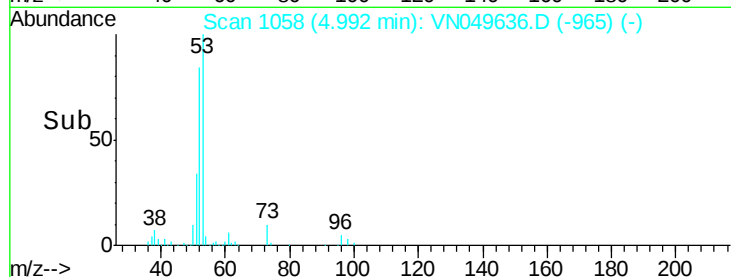
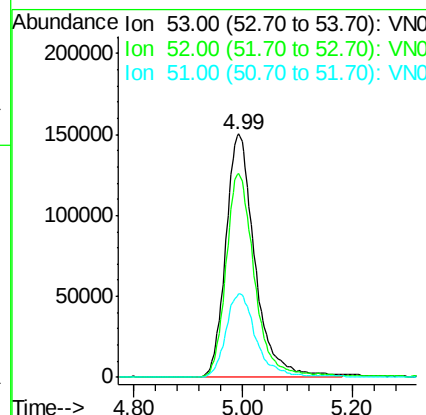
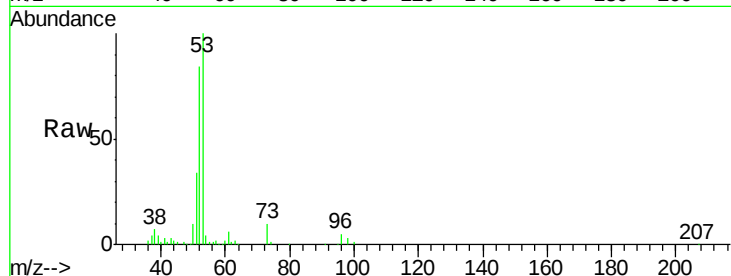
ClientSampled :

VN0629WBSD01

Tot Ion:	53	Resp:	557046
Ion Ratio	Lower	Upper	
53	100		
52	81.2	66.6	100.0
51	35.2	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 105.66 ug/l

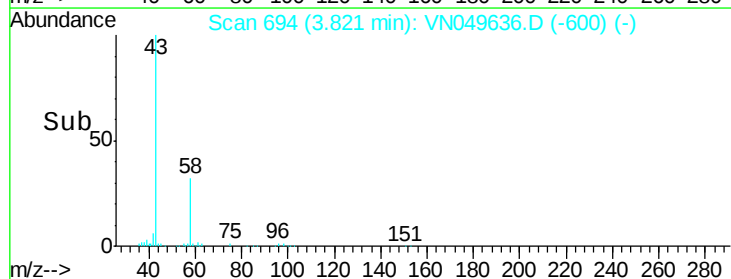
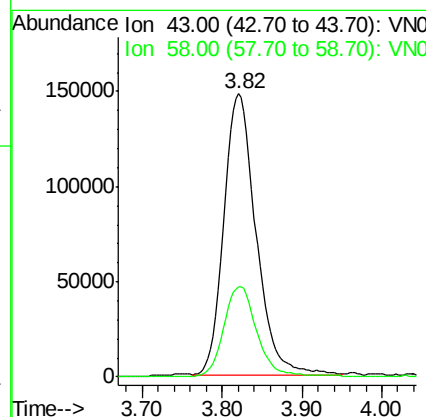
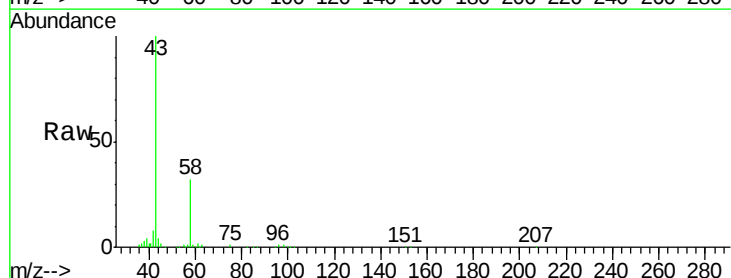
RT: 3.82 min Scan# 694

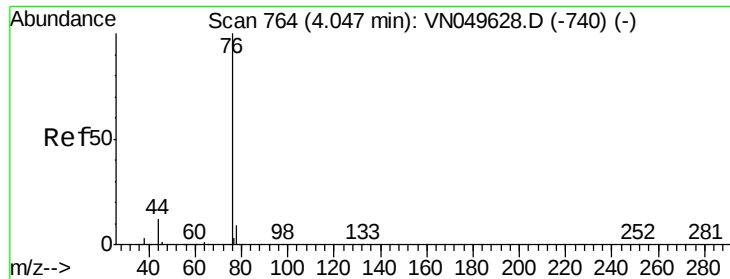
Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Tgt Ion:	43	Resp:	406386
Ion Ratio	Lower	Upper	
43	100		
58	31.7	22.4	33.6





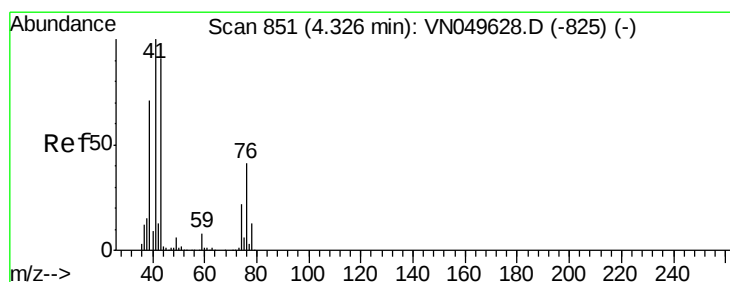
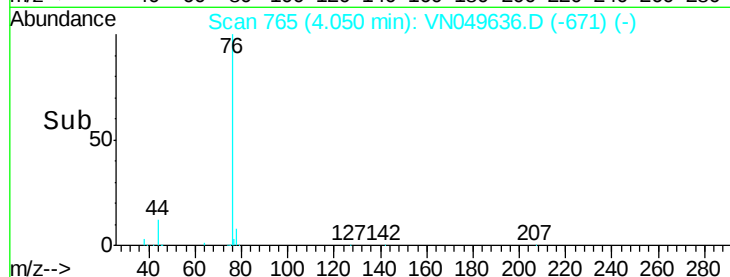
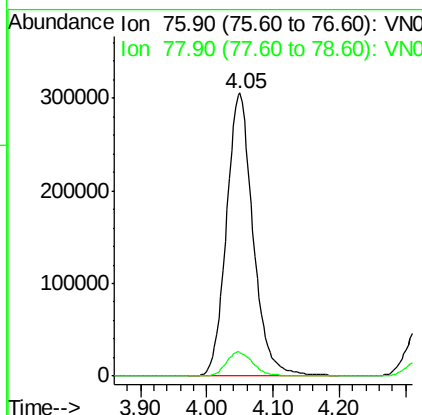
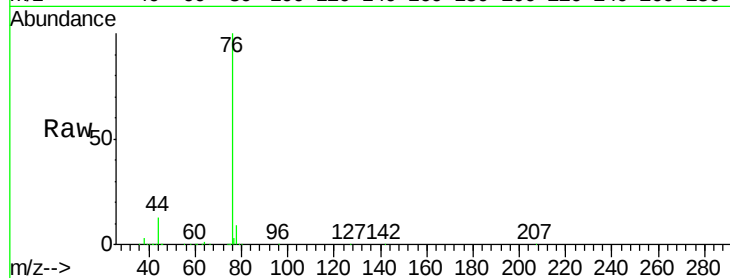
#17
Carbon Disulfide
Concen: 19.04 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.0

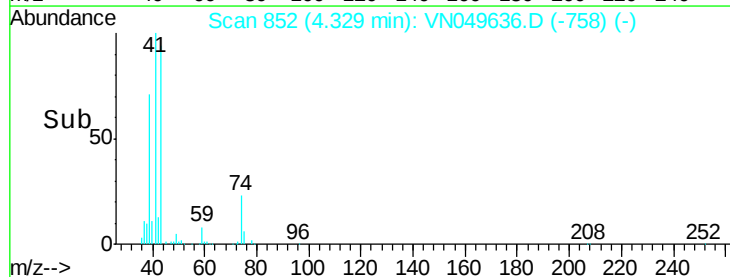
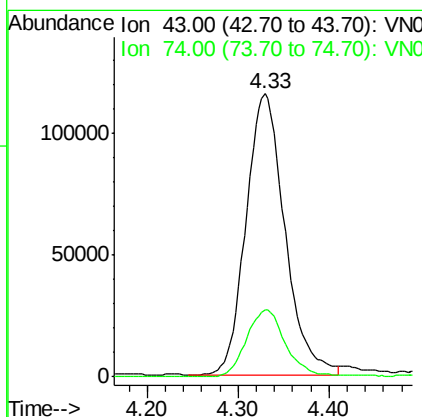
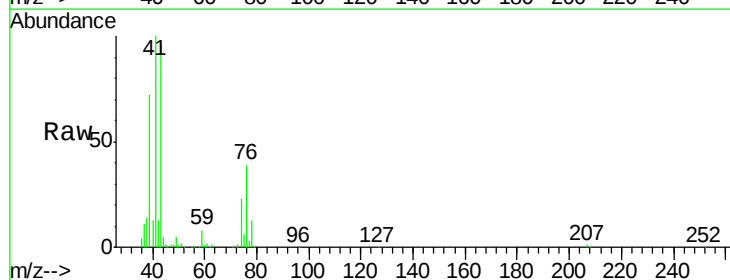
Manual Integrations
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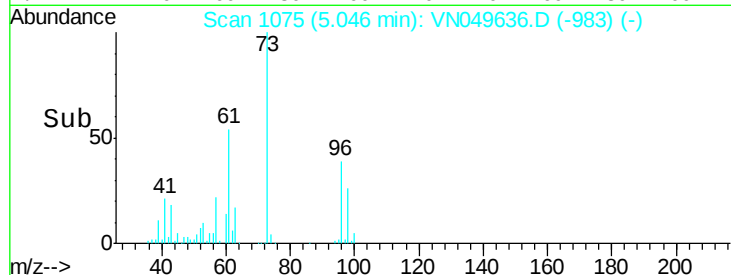
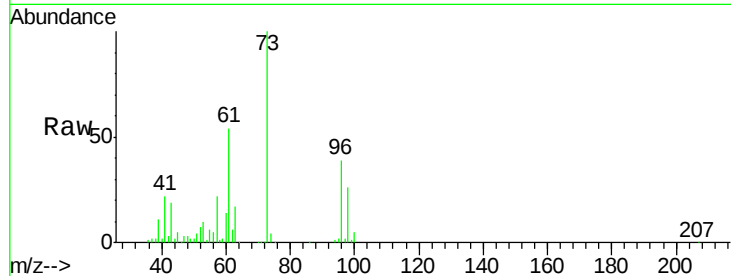
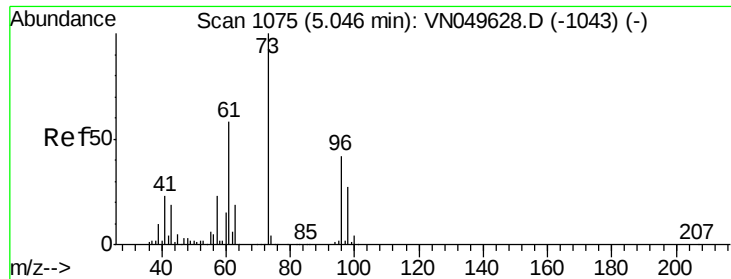
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#18
Methyl Acetate
Concen: 17.86 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	17.4	26.0





#19

Methyl tert-butyl Ether

Concen: 20.24 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Tot Ion: 73 Resp: 837385

Ion Ratio Lower Upper

73 100

57 21.9 18.2 27.4

Instrument :

MSVOA_N

ClientSampled :

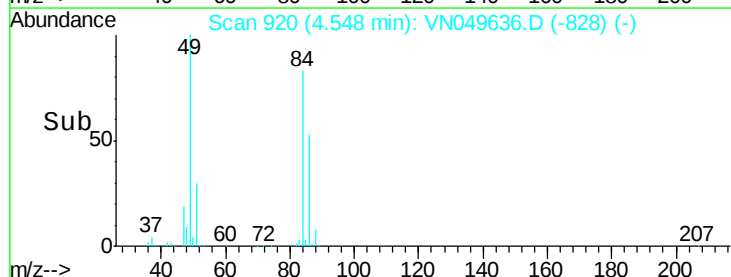
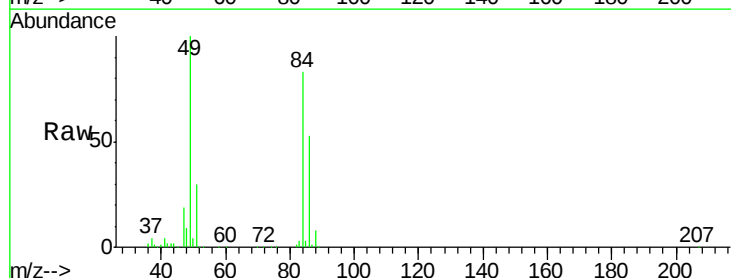
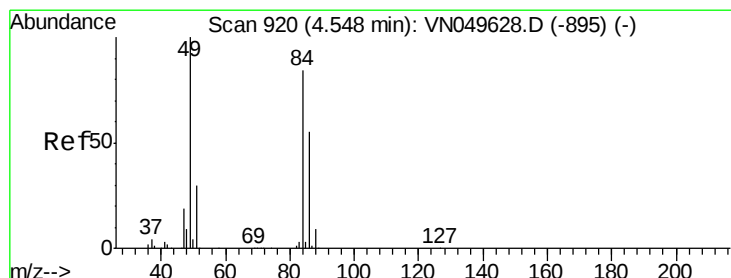
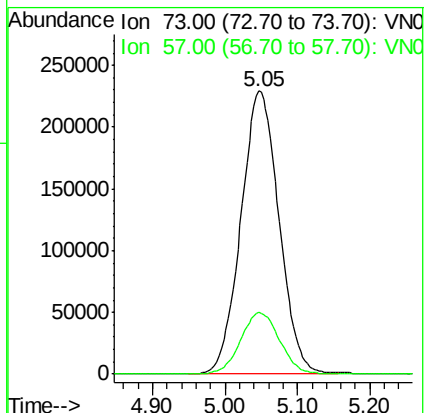
VN0629WBSD01

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#20

Methylene Chloride

Concen: 18.26 ug/l

RT: 4.55 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Tgt Ion: 84 Resp: 339279

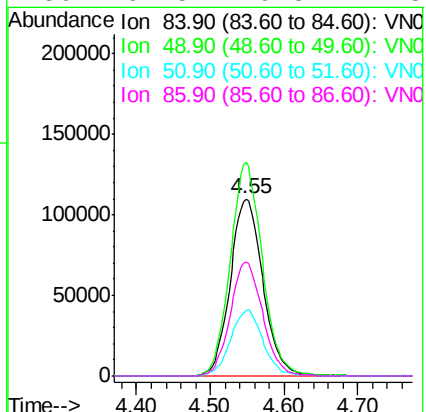
Ion Ratio Lower Upper

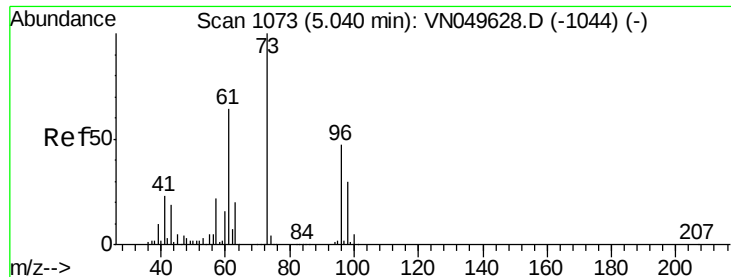
84 100

49 120.8 106.9 160.3

51 36.8 32.7 49.1

86 64.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.70 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

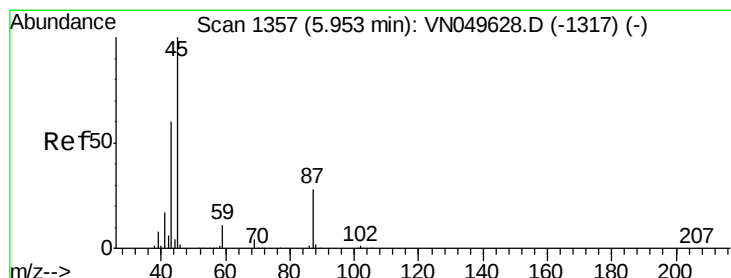
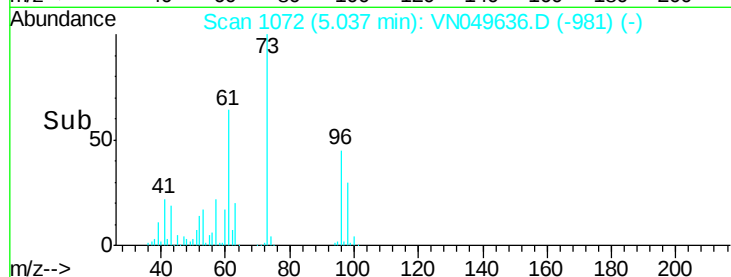
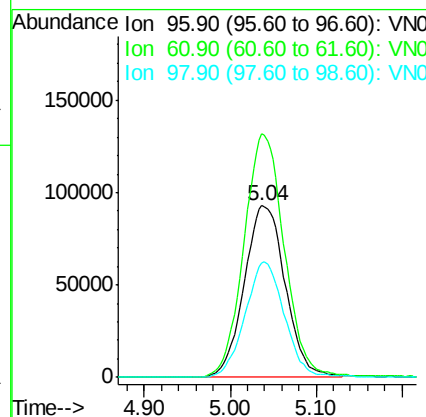
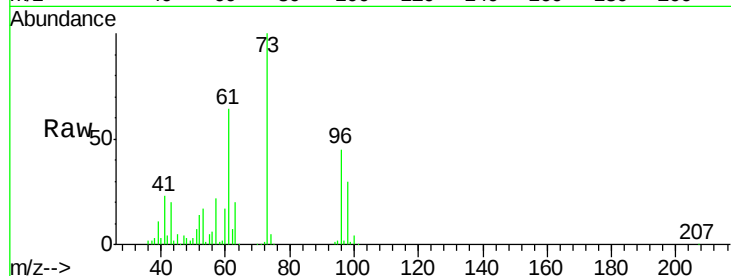
ClientSampled :

VN0629WBSD01

Tot Ion:	96	Resp:	308835
Ion	Ratio	Lower	Upper
96	100		
61	141.6	121.3	181.9
98	66.8	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.89 ug/l

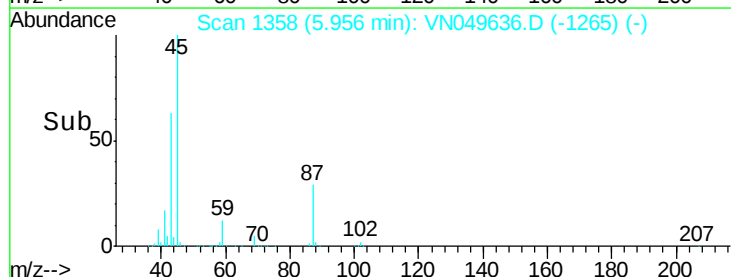
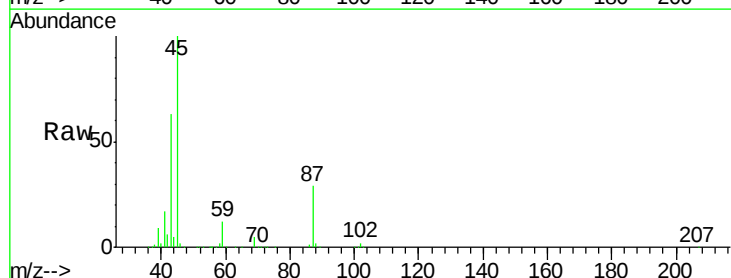
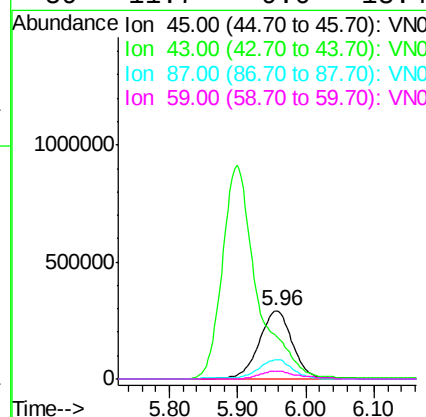
RT: 5.96 min Scan# 1358

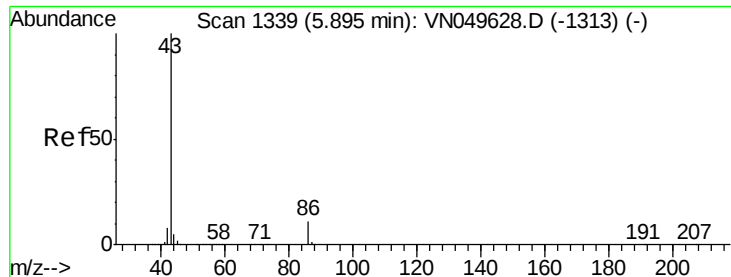
Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Tgt Ion:	45	Resp:	992201
Ion	Ratio	Lower	Upper
45	100		
43	62.1	48.6	72.8
87	28.5	20.2	30.2
59	11.7	9.0	13.4





#23

Vinyl Acetate

Concen: 99.51 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

ClientSampled :

VN0629WBSD01

Tot Ion: 43 Resp: 3218292

Ion Ratio Lower Upper

43 100

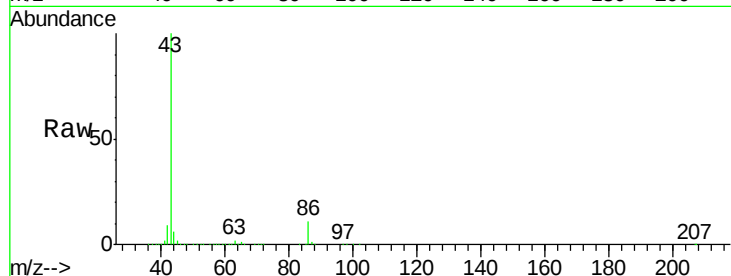
86 10.6 7.2 10.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

1000000

800000

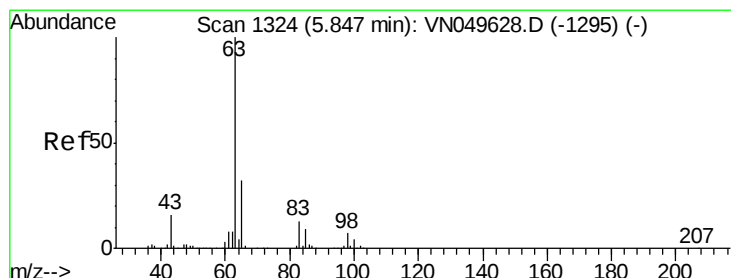
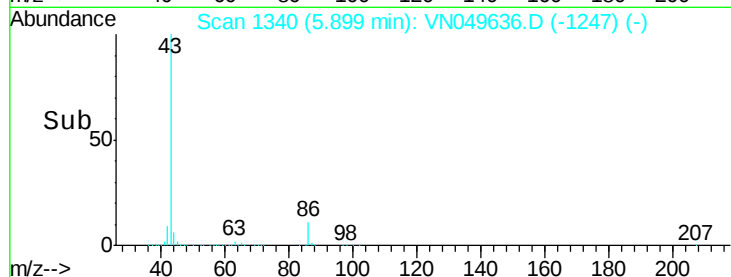
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.06 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

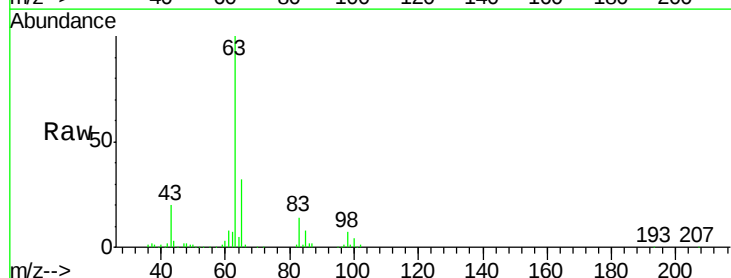
Tgt Ion: 63 Resp: 598979

Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.8

100 4.2 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

250000

200000

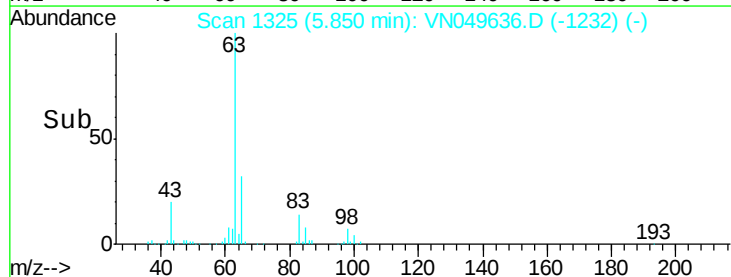
150000

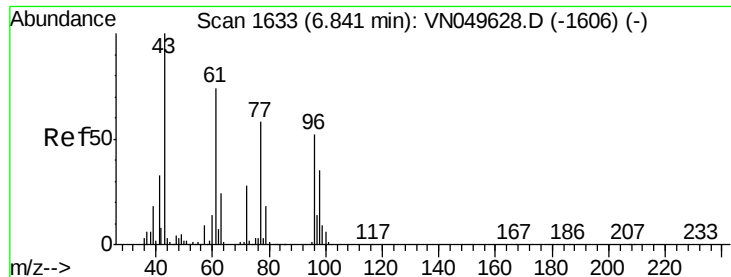
100000

50000

0

Time-->





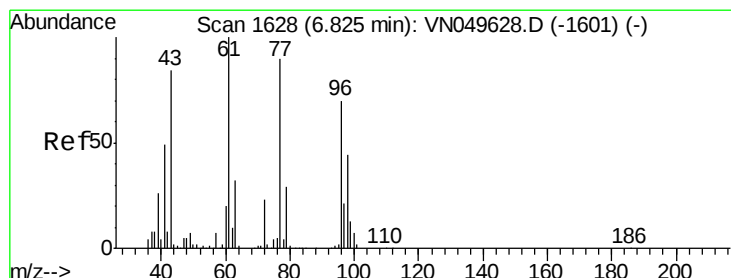
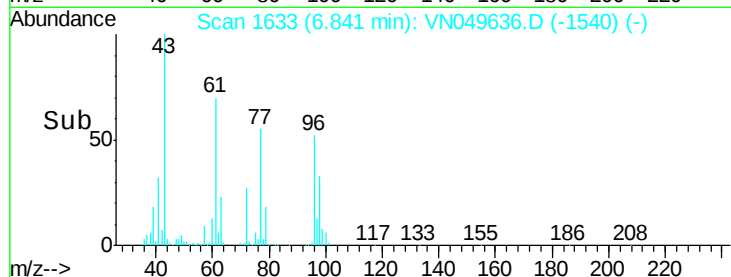
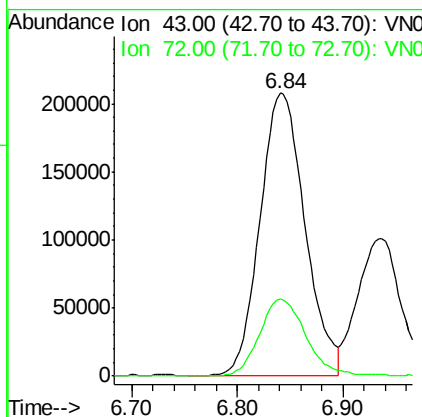
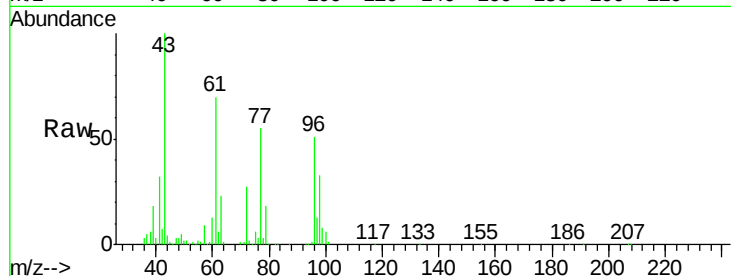
#25
2-Butanone
Concen: 102.67 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion: 43 Resp: 615026
Ion Ratio Lower Upper
43 100
72 27.1 20.2 30.2

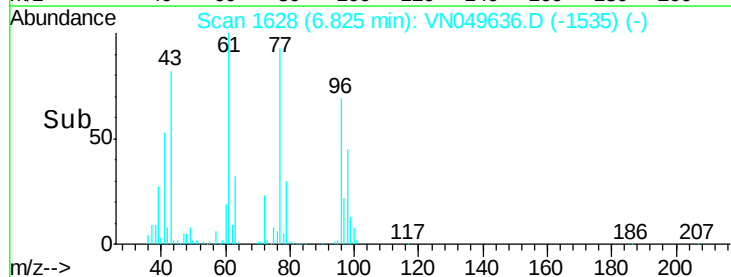
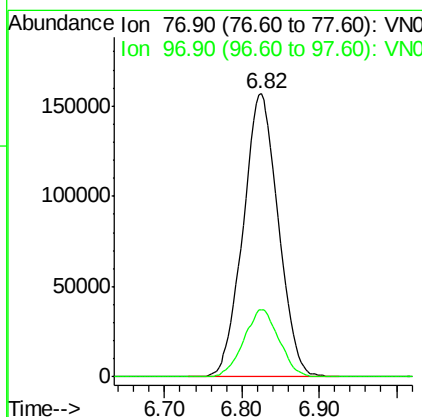
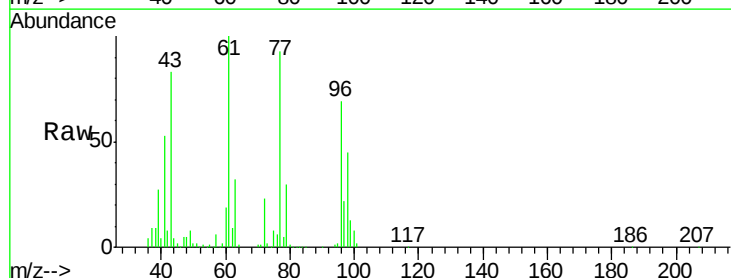
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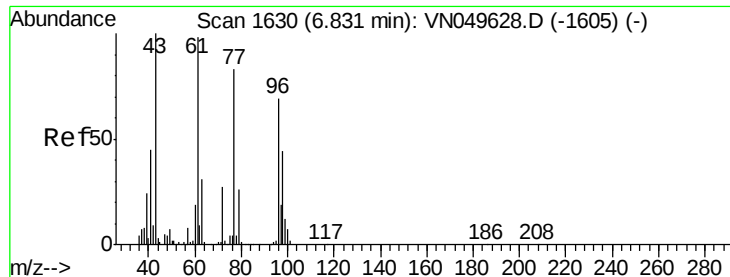
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#26
2,2-Dichloropropane
Concen: 19.06 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Tgt Ion: 77 Resp: 497396
Ion Ratio Lower Upper
77 100
97 23.9 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.41 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

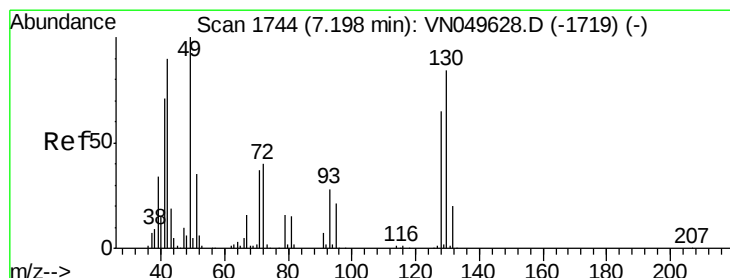
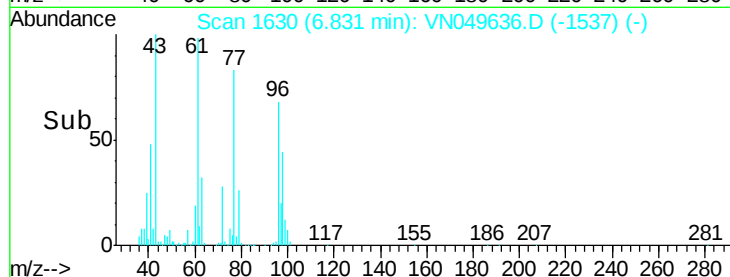
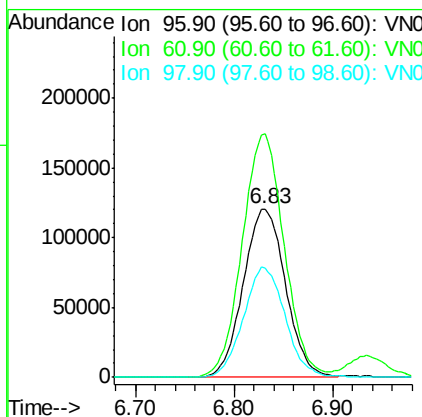
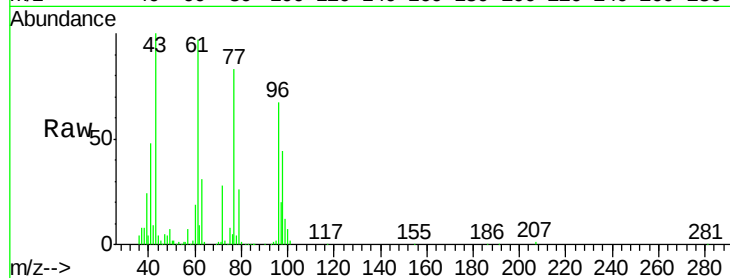
ClientSampleId :

VN0629WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	142.9	0.0	316.4		
98	64.4	0.0	128.4		

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#28

Bromochloromethane

Concen: 21.42 ug/l

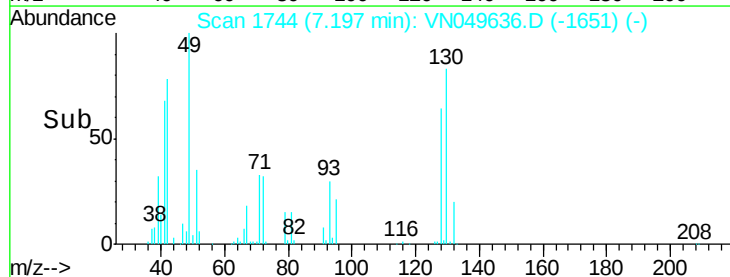
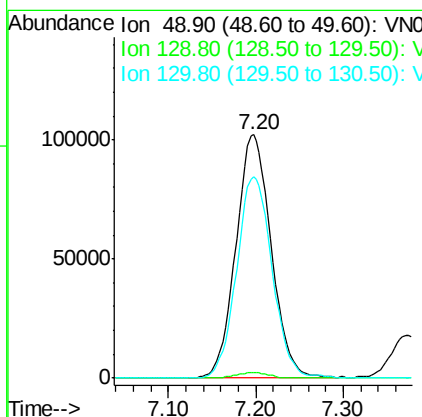
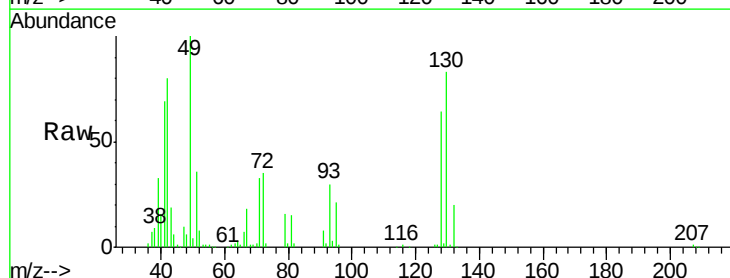
RT: 7.20 min Scan# 1744

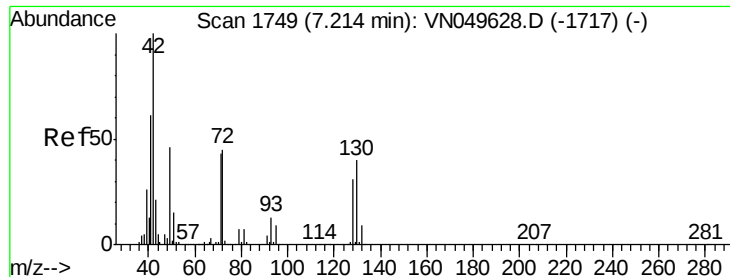
Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.0	0.0	3.8		
130	83.5	54.9	82.3#		





#29

Tetrahydrofuran

Concen: 108.08 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

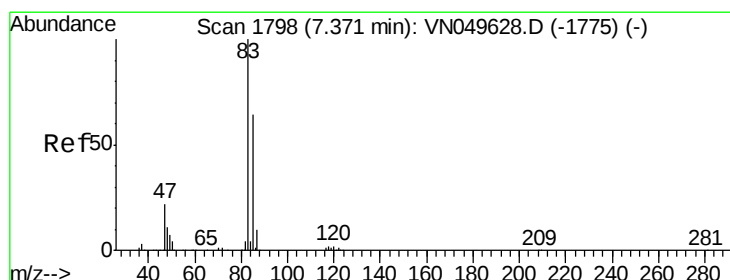
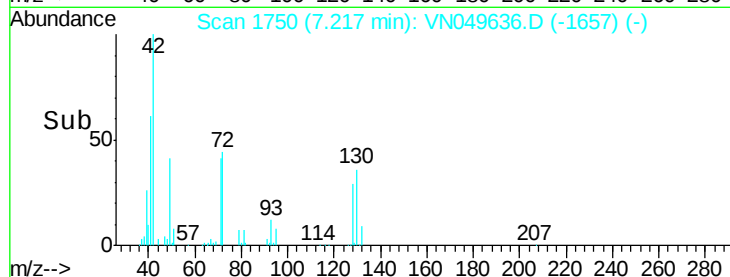
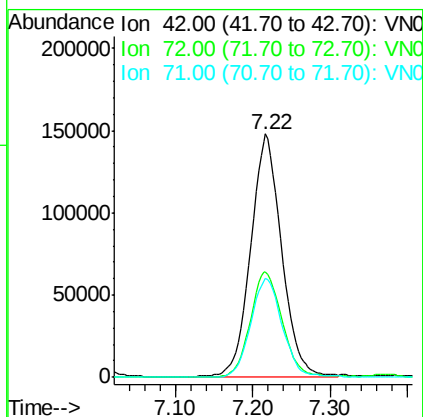
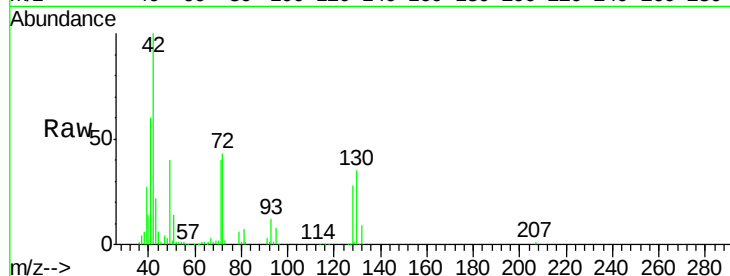
ClientSampled :

VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	32.2	48.4
71	41.8	30.5	45.7

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#30

Chloroform

Concen: 19.02 ug/l

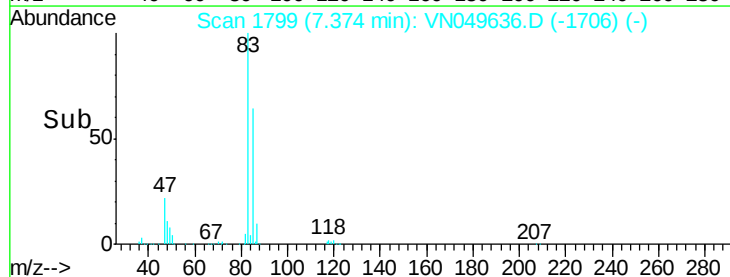
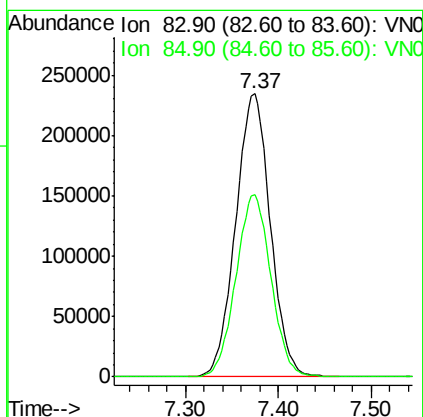
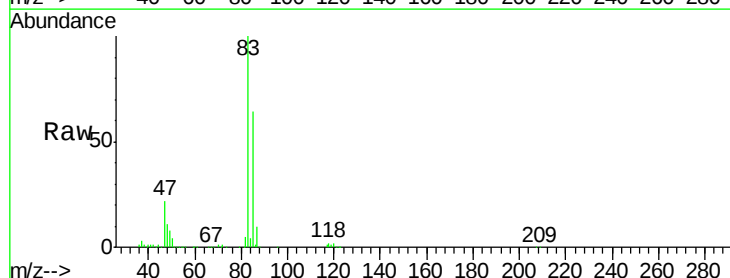
RT: 7.37 min Scan# 1799

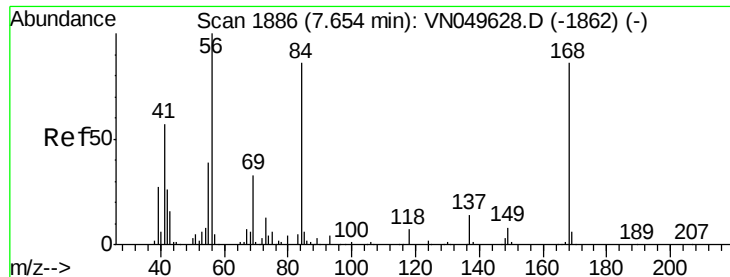
Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.7	77.5





#31

Cyclohexane

Concen: 19.39 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

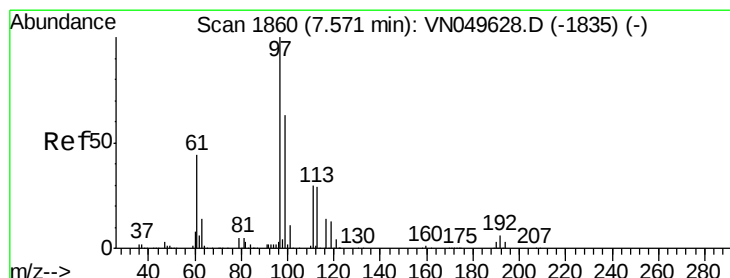
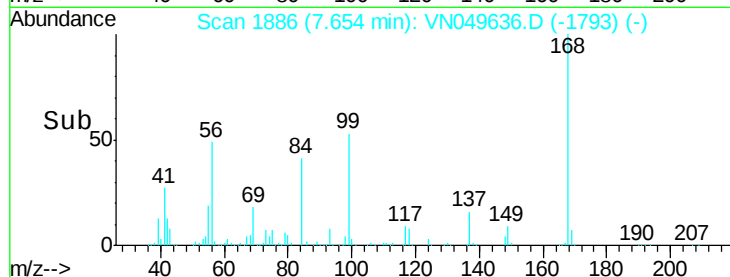
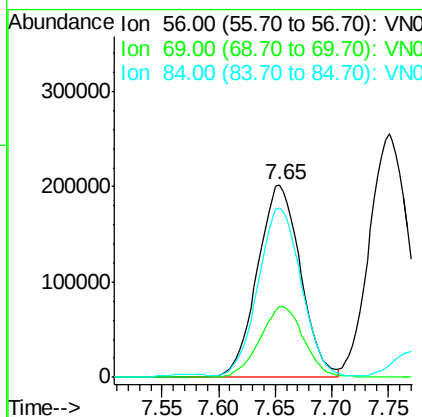
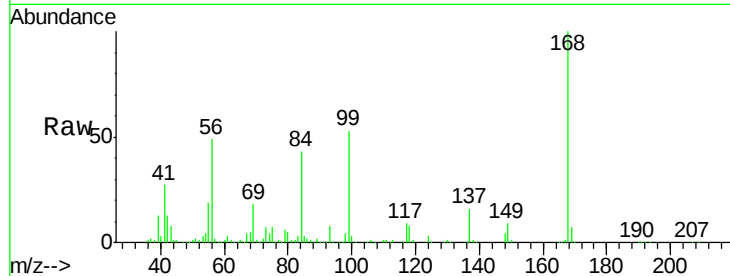
ClientSampled :

VN0629WBSD01

Tot Ion	56	Resp	534486
Ion Ratio	Lower	Upper	
56	100		
69	36.7	25.0	37.4
84	86.0	64.6	96.8

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#32

1,1,1-Trichloroethane

Concen: 19.34 ug/l

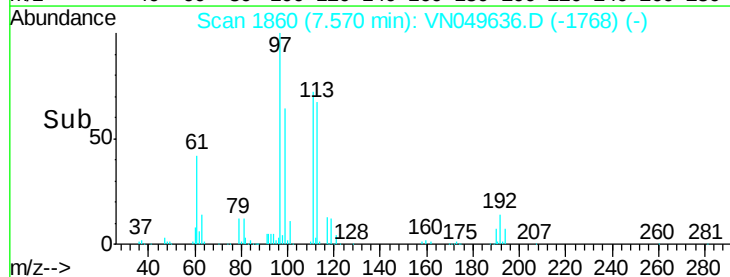
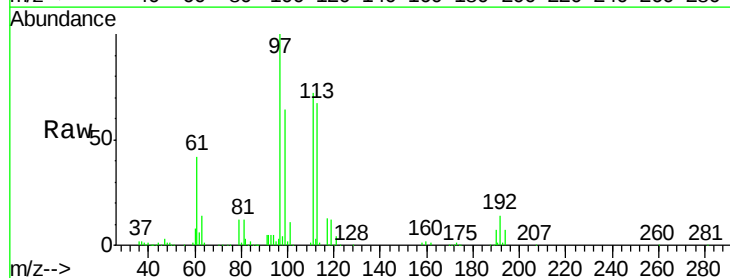
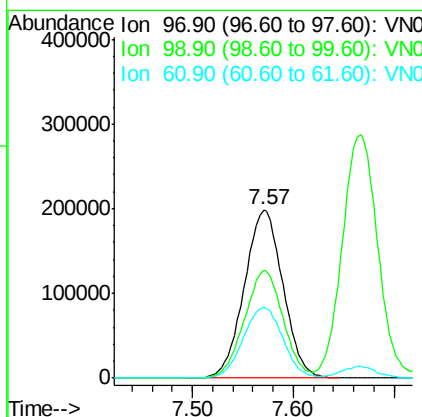
RT: 7.57 min Scan# 1860

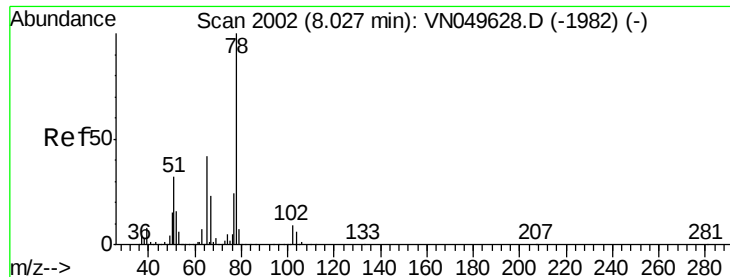
Delta R.T. -0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Tgt Ion	97	Resp	524548
Ion Ratio	Lower	Upper	
97	100		
99	64.1	50.5	75.7
61	43.6	37.9	56.9





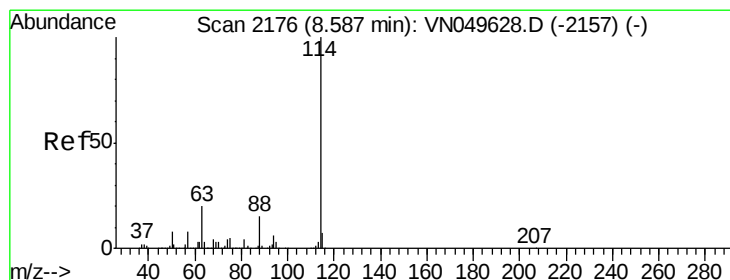
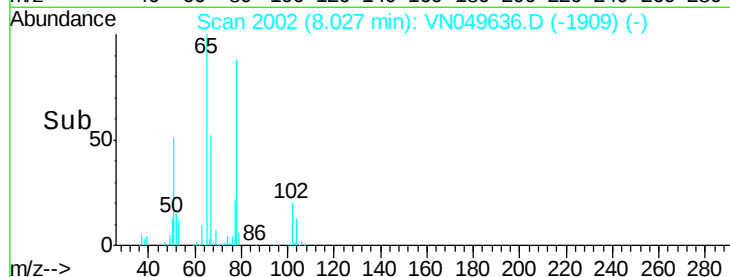
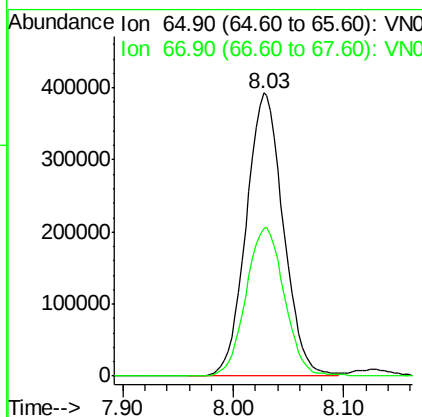
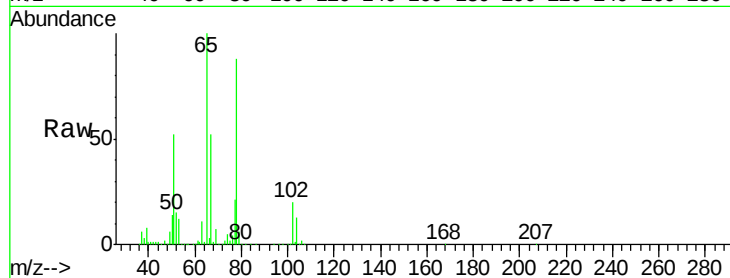
#33
 1,2-Dichloroethane-d4
 Concen: 50.68 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049636.D
 Acq: 29 Jun 2018 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.4	0.0	103.8	

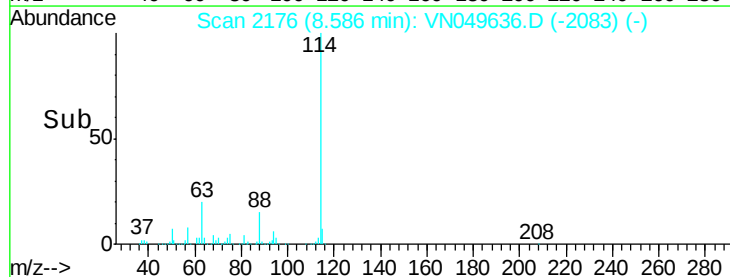
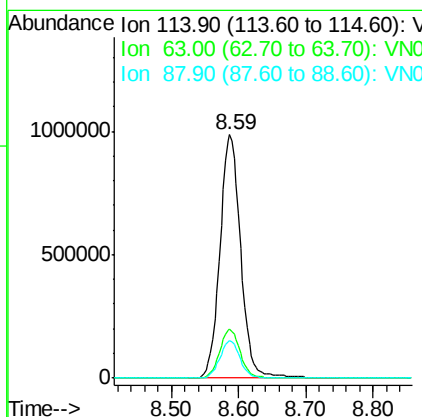
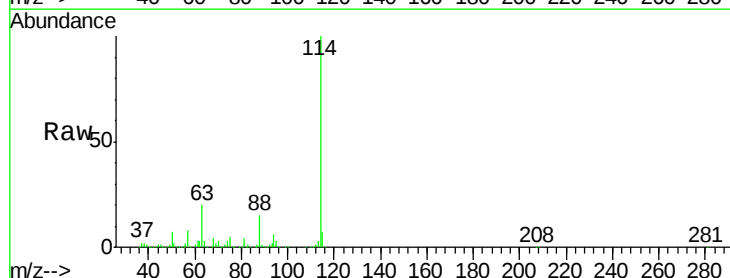
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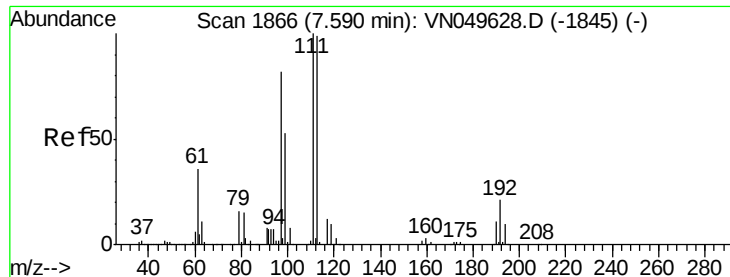
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049636.D
 Acq: 29 Jun 2018 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	44.4	
88	15.4	0.0	31.4	





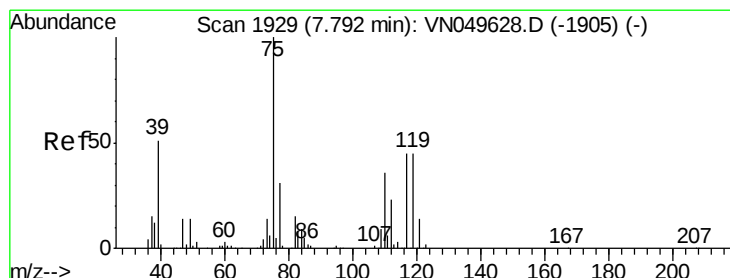
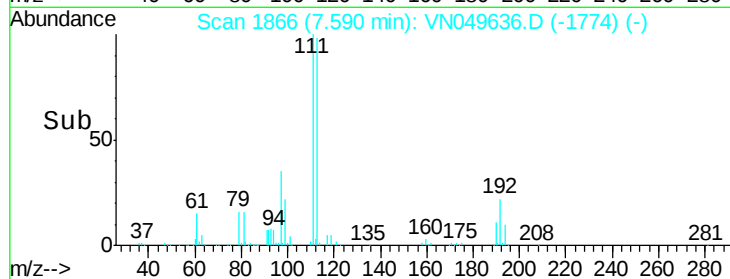
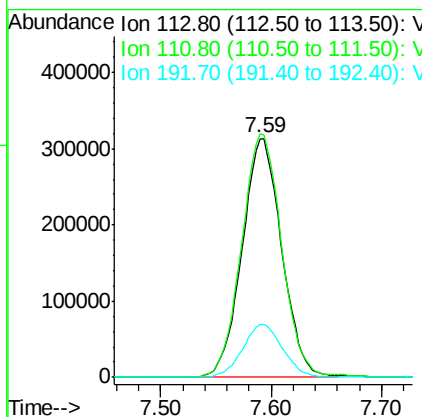
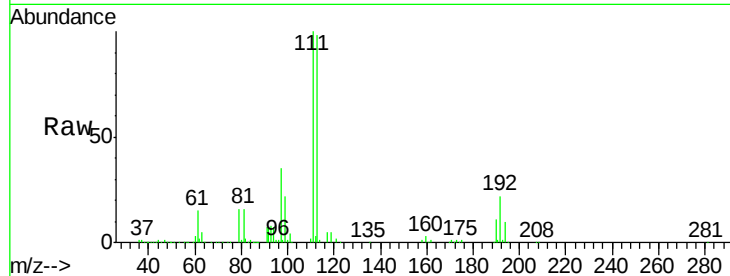
#35
 Dibromofluoromethane
 Concen: 48.99 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049636.D
 Acq: 29 Jun 2018 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.4	123.6
192	22.4	15.0	22.6

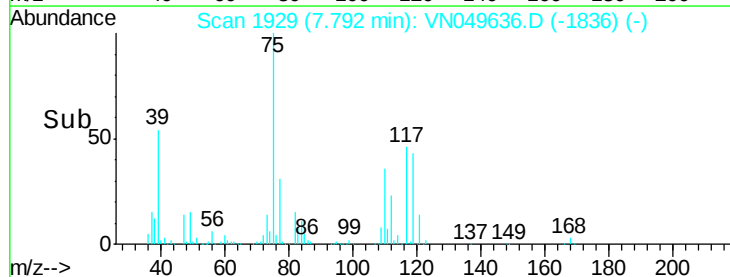
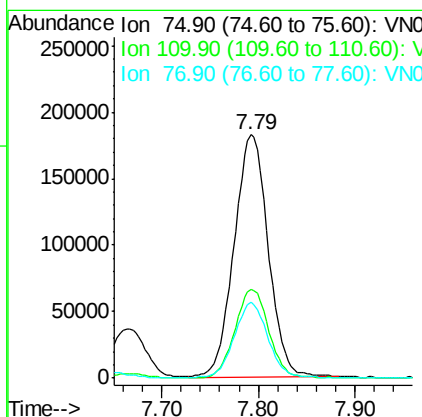
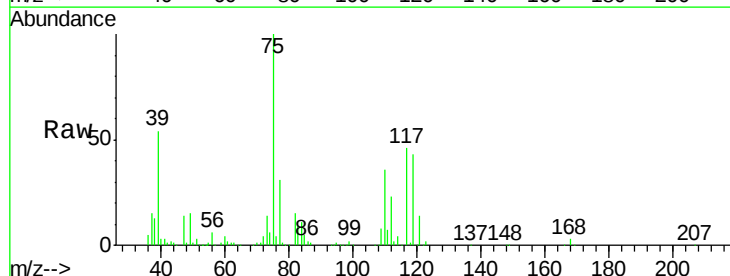
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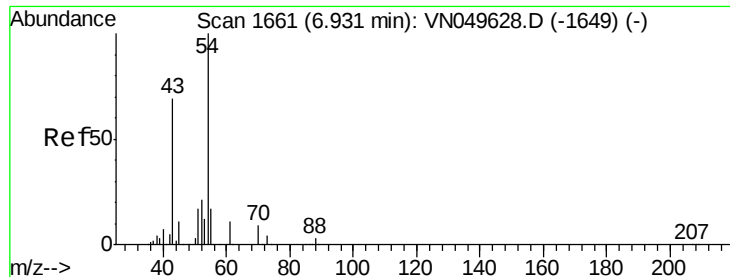
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#36
 1,1-Dichloropropene
 Concen: 18.69 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049636.D
 Acq: 29 Jun 2018 17:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.0	50.9
77	31.2	24.4	36.6





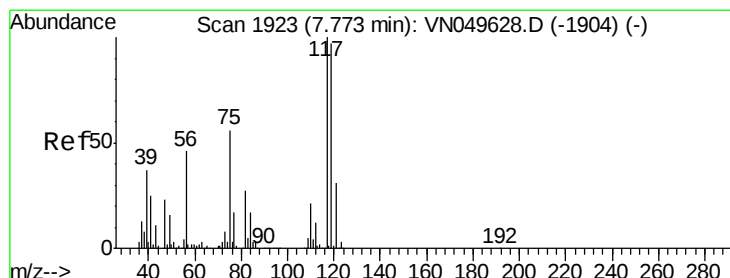
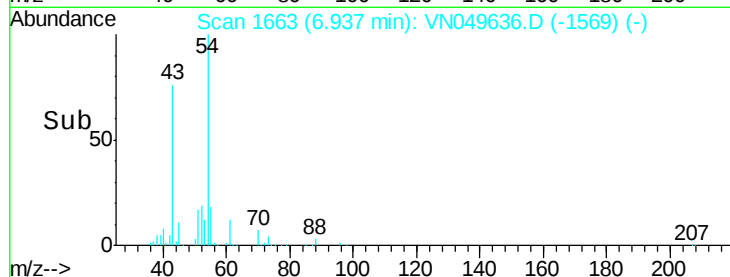
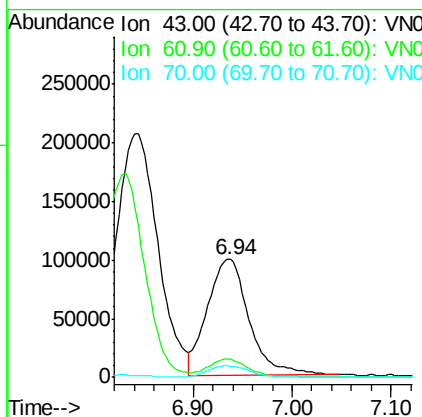
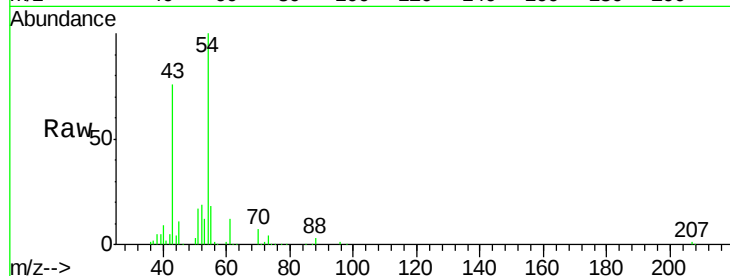
#37
Ethyl Acetate
Concen: 21.10 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Instrument :
MSVOA_N
ClientSampled :
VN0629WBSD01

Tot Ion	43	61	70
Ratio	100	14.3	9.5
Lower		11.0	7.2
Upper		16.4	10.8

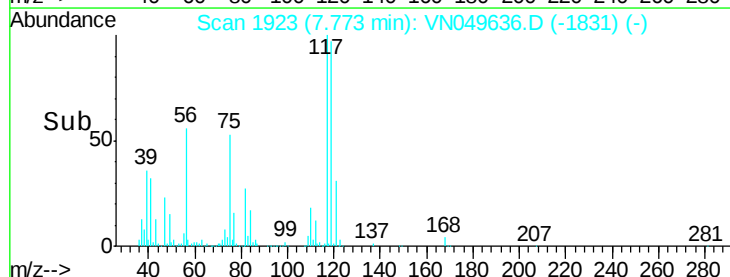
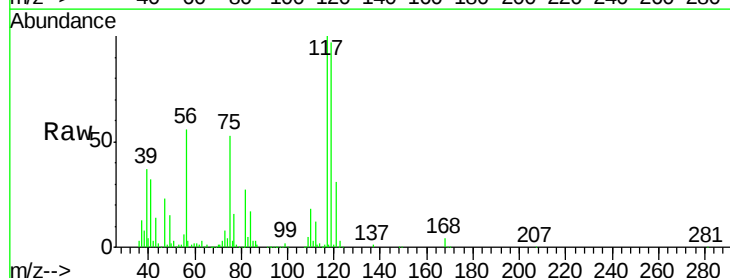
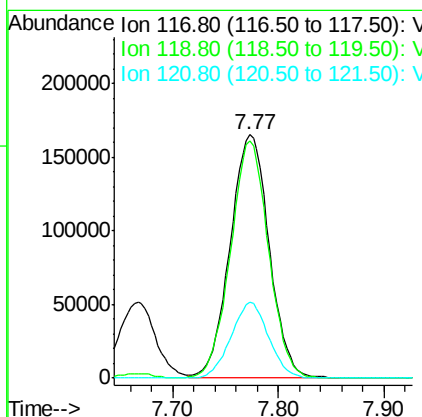
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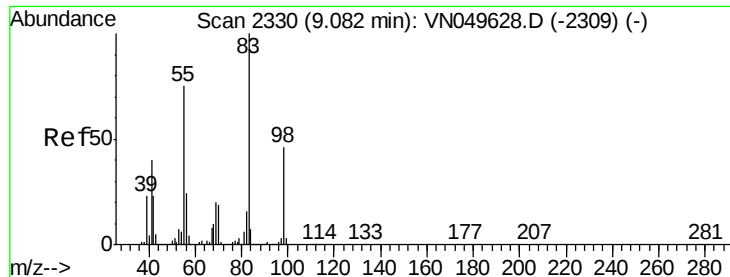
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#38
Carbon Tetrachloride
Concen: 18.23 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Tgt Ion	117	119	121
Ratio	100	97.5	31.2
Lower		75.6	24.7
Upper		113.4	37.1





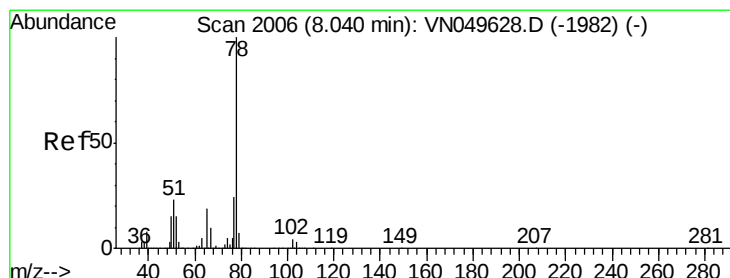
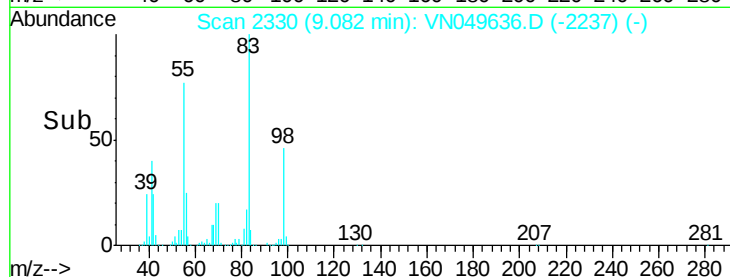
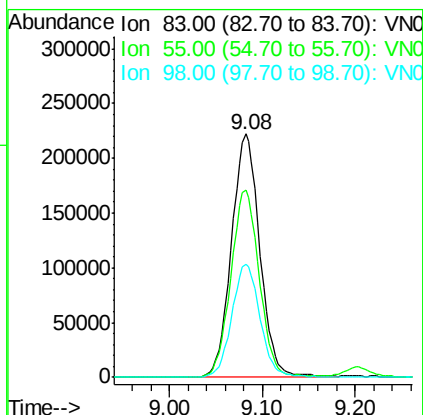
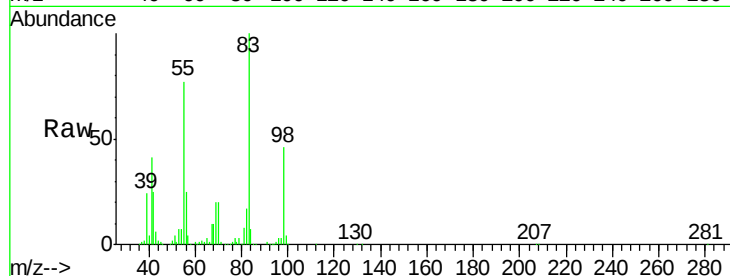
#39
Methvlcvclohexane
Concen: 18.02 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	65.1	97.7
98	46.4	36.5	54.7

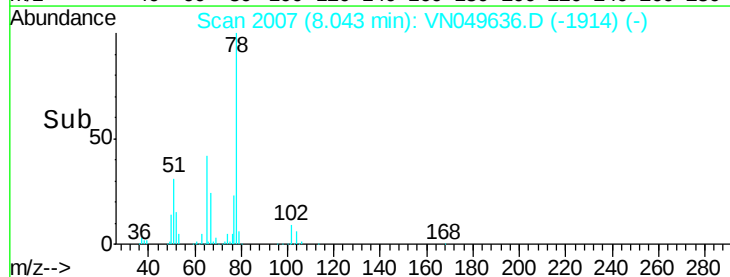
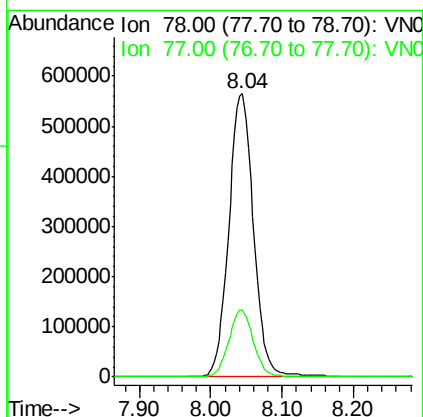
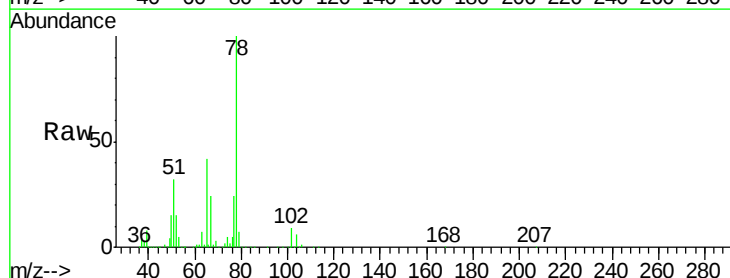
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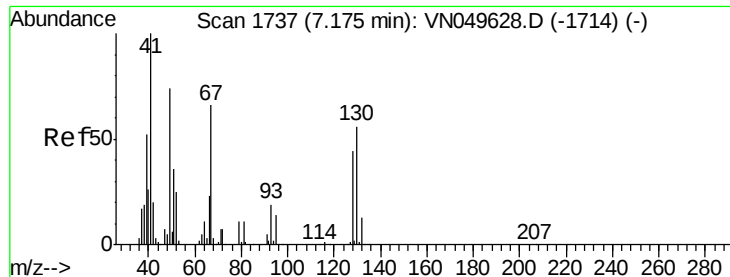
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#40
Benzene
Concen: 18.70 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.4	29.0





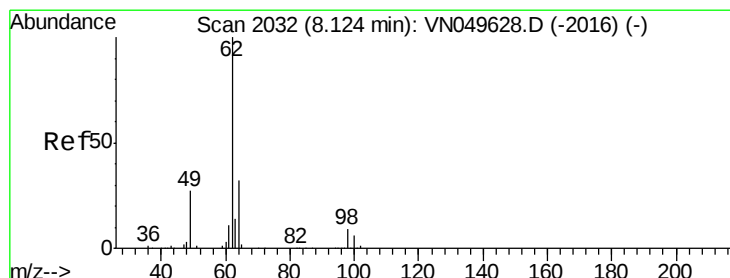
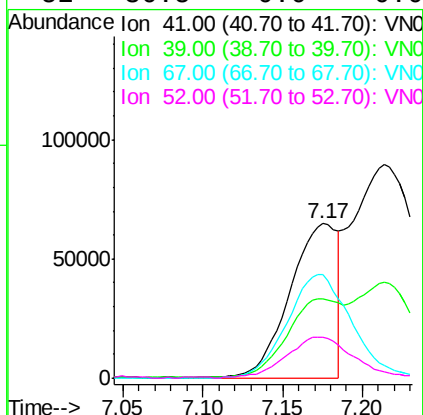
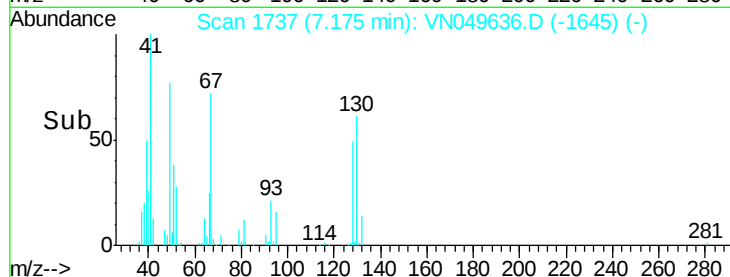
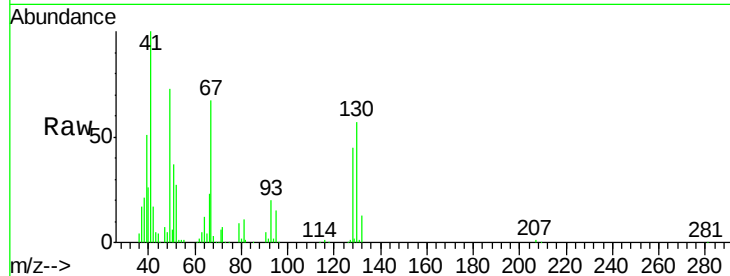
#41
Methacrylonitrile
Concen: 18.21 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.7	0.0	0.0#
67	92.0	0.0	0.0#
52	36.5	0.0	0.0#

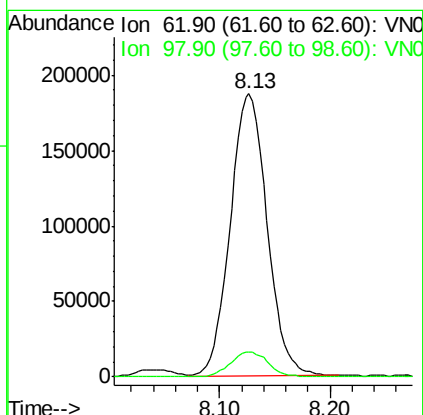
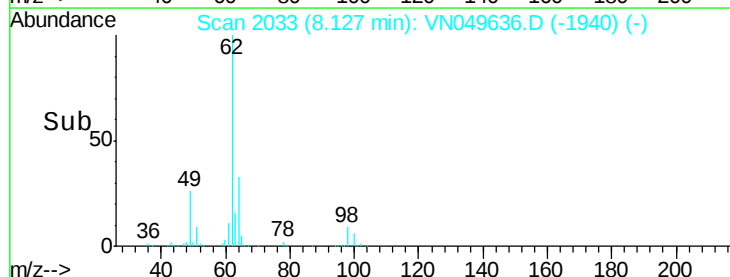
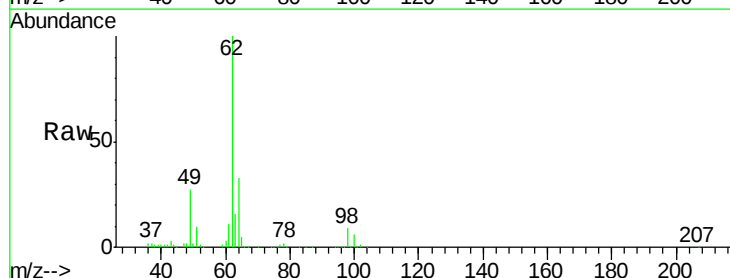
Manual Integrations
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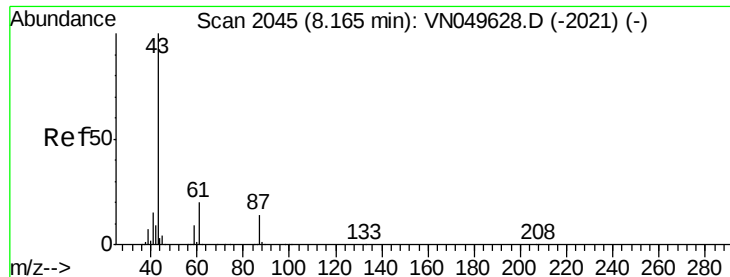
apatel
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#42
1,2-Dichloroethane
Concen: 18.64 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.2





#43

Isopropyl Acetate

Concen: 20.18 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

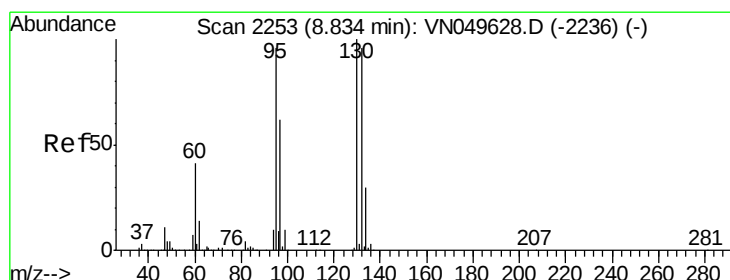
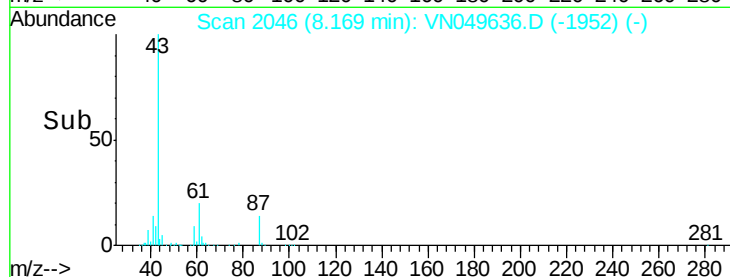
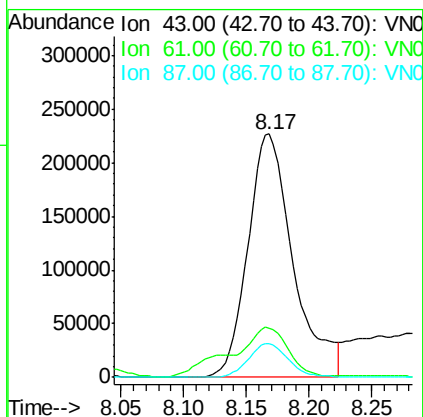
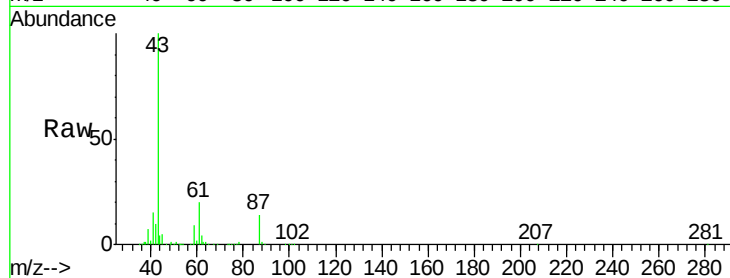
ClientSampleId :

VN0629WBSD01

Tot Ion:	43	Resp:	567801
Ion	Ratio	Lower	Upper
43	100		
61	25.5	14.2	21.4#
87	12.4	9.4	14.0

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#44

Trichloroethene

Concen: 18.31 ug/l

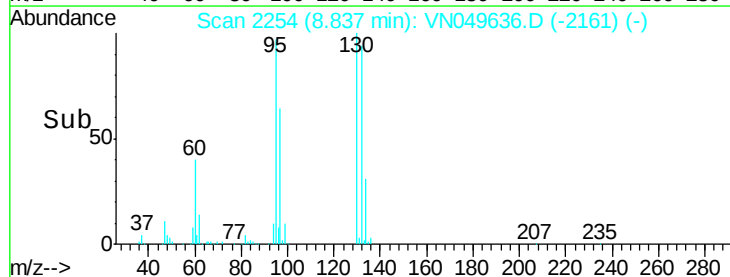
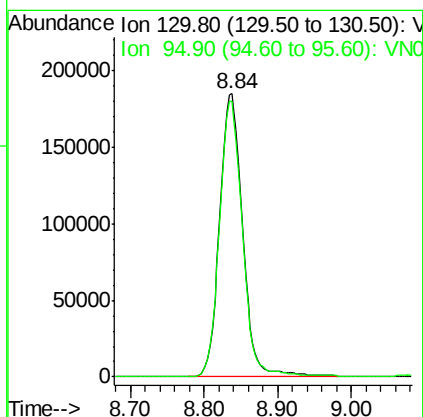
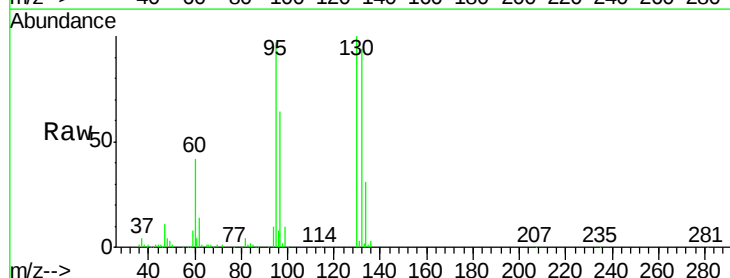
RT: 8.84 min Scan# 2254

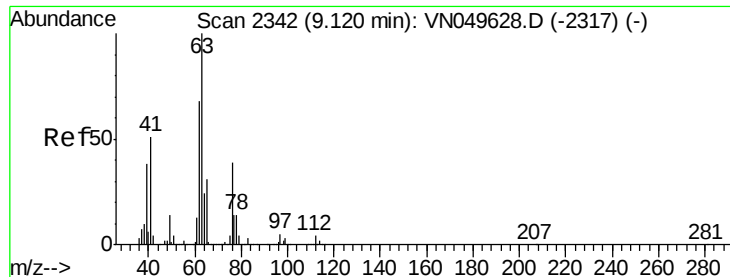
Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Tgt Ion:	130	Resp:	402698
Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	208.6





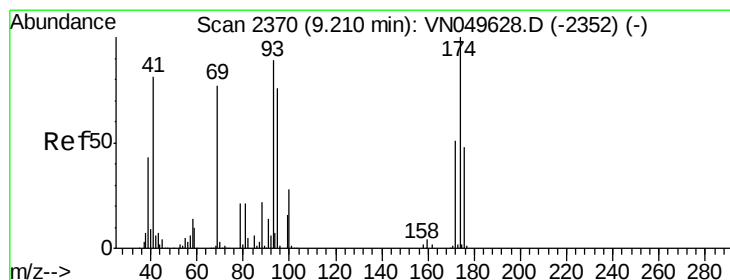
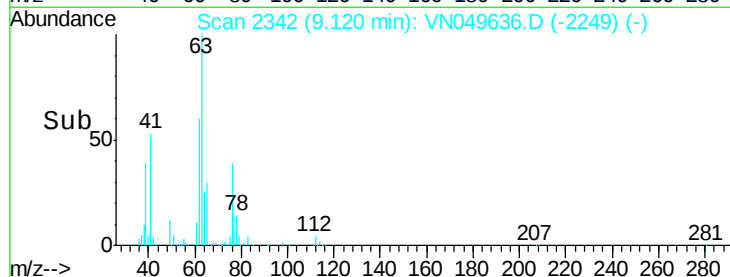
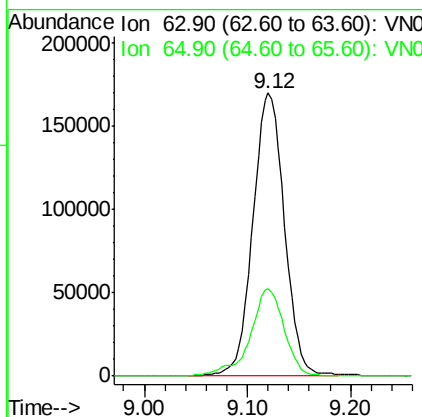
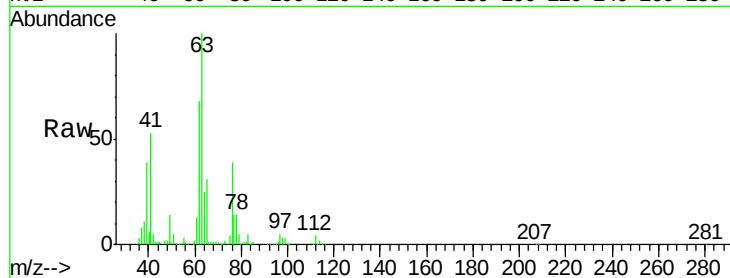
#45
1,2-Dichloropropane
Concen: 19.16 ug/l
RT: 9.12 min Scan# 2342
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.8	37.2

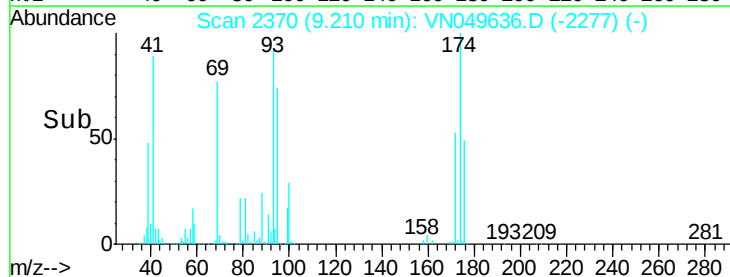
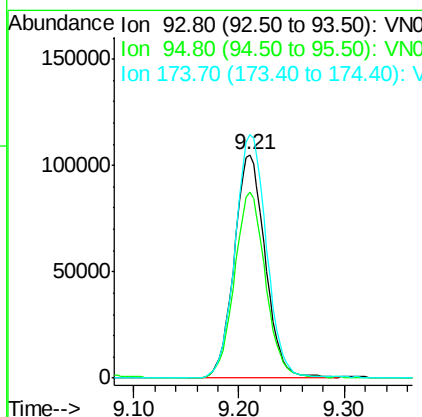
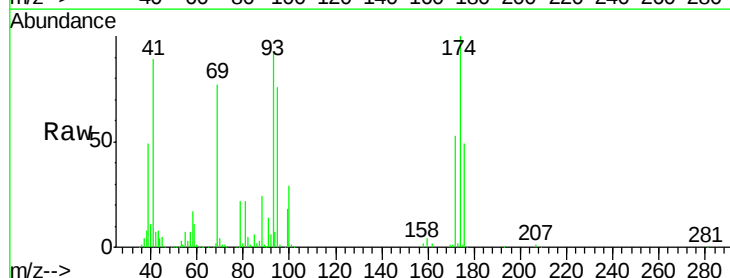
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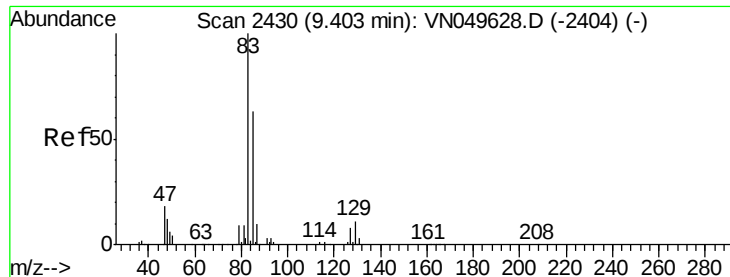
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#46
Dibromomethane
Concen: 18.90 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	67.2	100.8
174	109.6	75.6	113.4





#47

Bromodichloromethane

Concen: 18.73 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

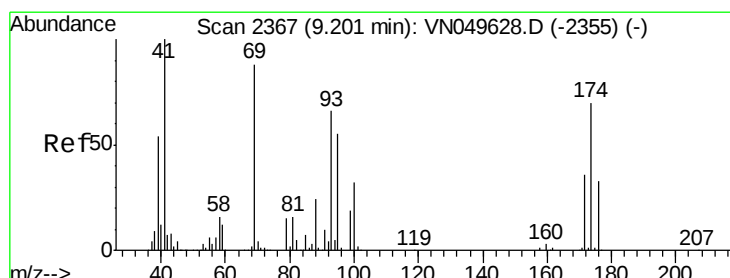
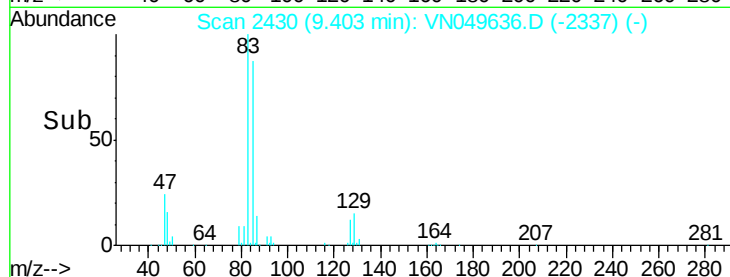
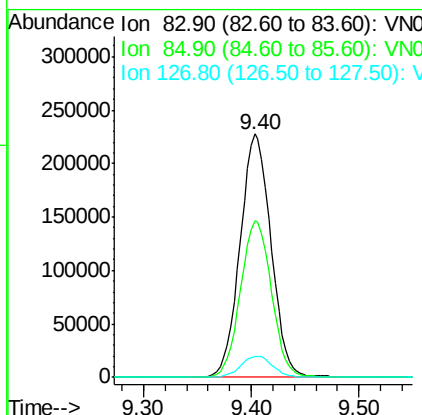
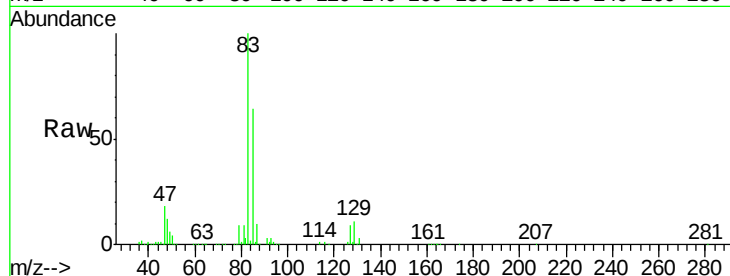
ClientSampleId :

VN0629WBSD01

Tot Ion:	83	Resp:	454583
Ion Ratio	Lower	Upper	
83	100		
85	64.2	49.4	74.0
127	8.8	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.25 ug/l

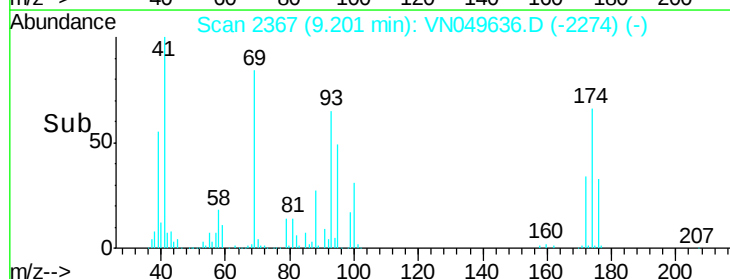
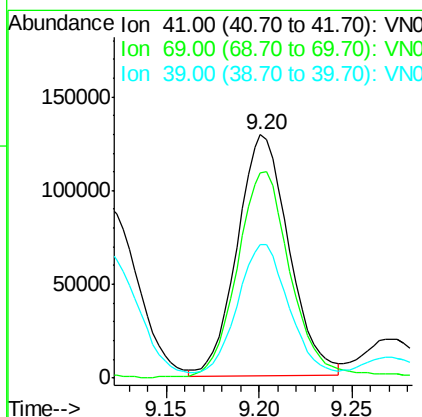
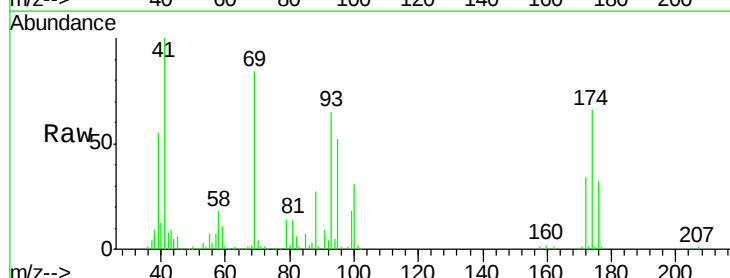
RT: 9.20 min Scan# 2367

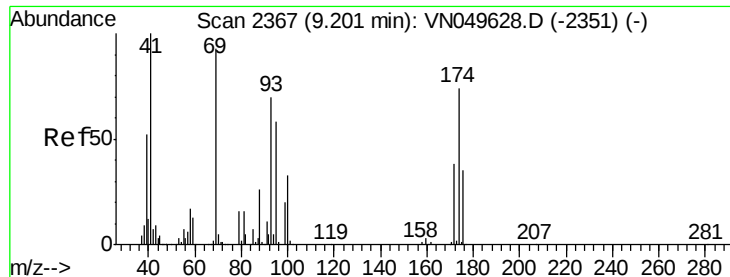
Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Tgt Ion:	41	Resp:	250743
Ion Ratio	Lower	Upper	
41	100		
69	88.8	62.0	93.0
39	55.2	50.6	75.8





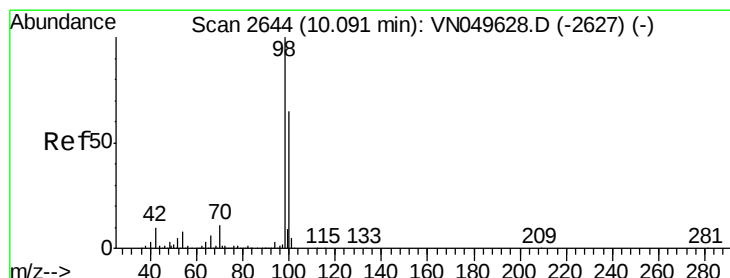
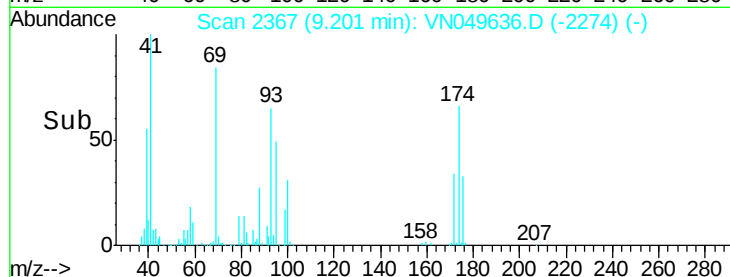
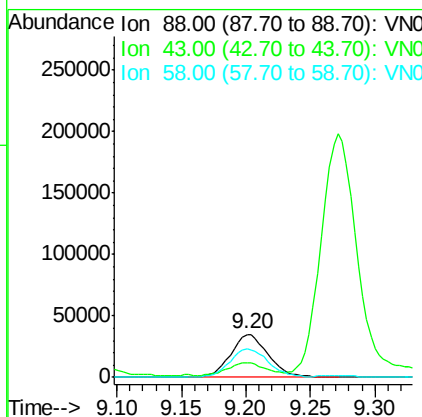
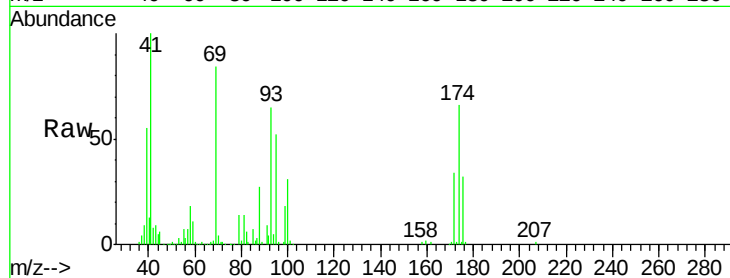
#49
1,4-Dioxane
Concen: 426.16 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.8	30.9	46.3#
58	68.6	58.9	88.3

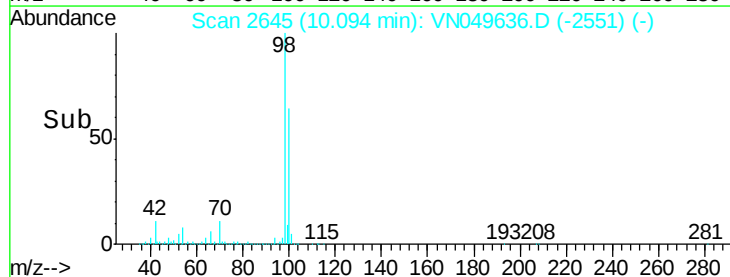
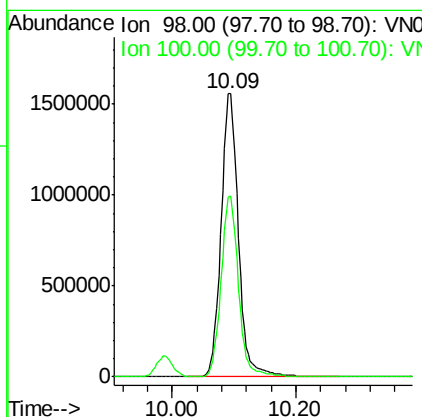
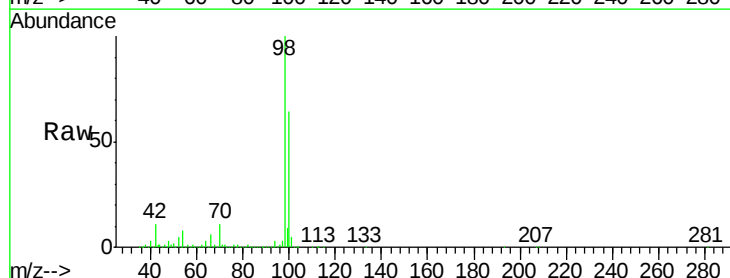
Manual Integrations
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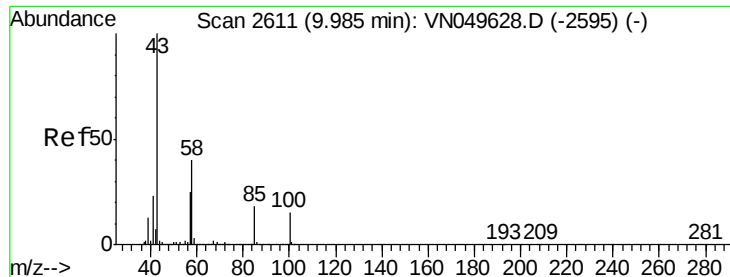
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#50
Toluene-d8
Concen: 48.77 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 102.59 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

ClientSampled :

VN0629WBSD01

Tot Ion: 43 Resp: 1401374

Ion Ratio Lower Upper

43 100

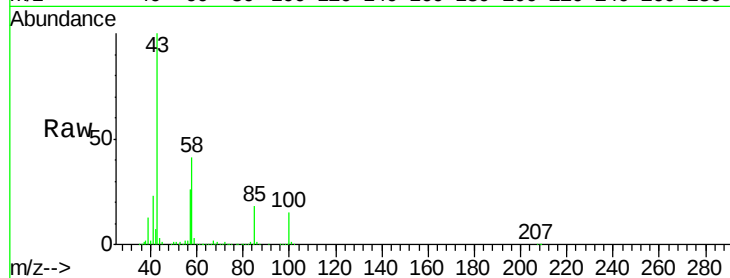
58 40.1 29.0 43.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

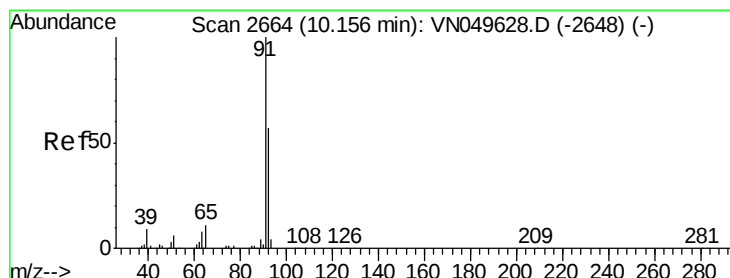
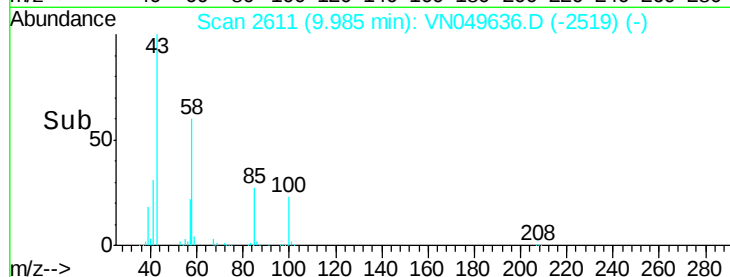
400000

200000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 18.90 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049636.D

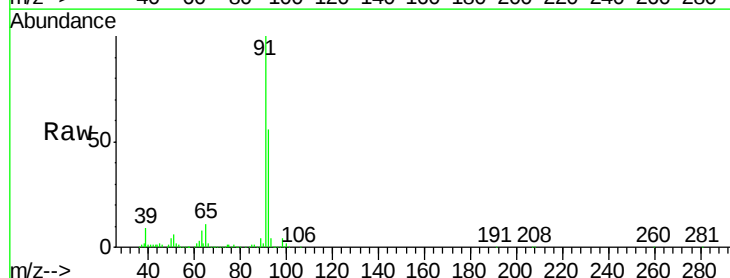
Acq: 29 Jun 2018 17:23

Tgt Ion: 92 Resp: 832709

Ion Ratio Lower Upper

92 100

91 176.2 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

800000

600000

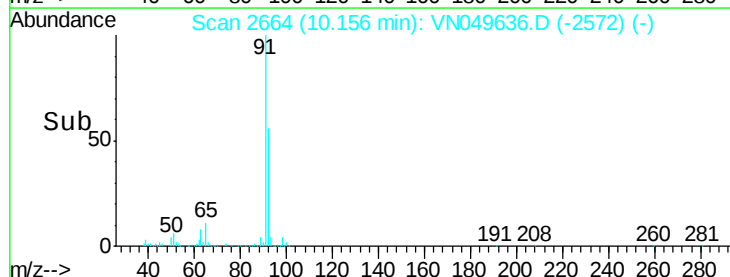
400000

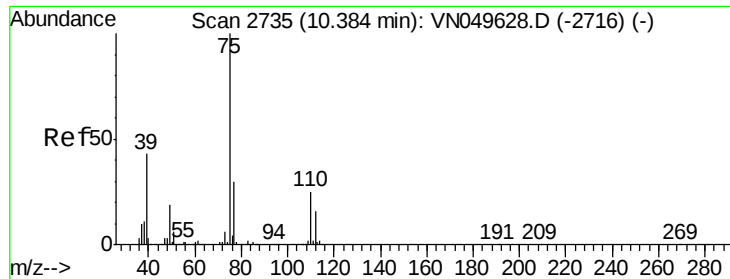
200000

0

10.10 10.20 10.30

Time-->





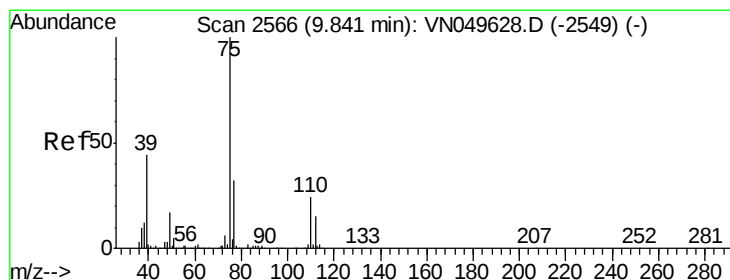
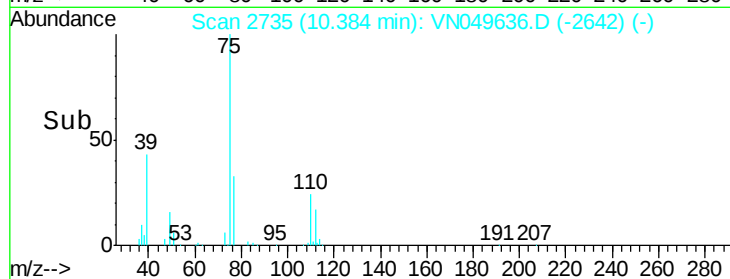
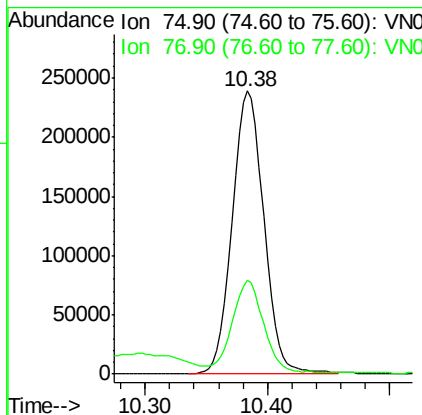
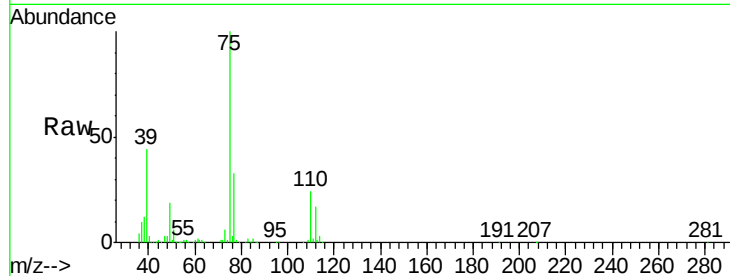
#53
t-1,3-Dichloropropene
Concen: 18.57 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Instrument :
MSVOA_N
ClientSampled :
VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.2	37.8

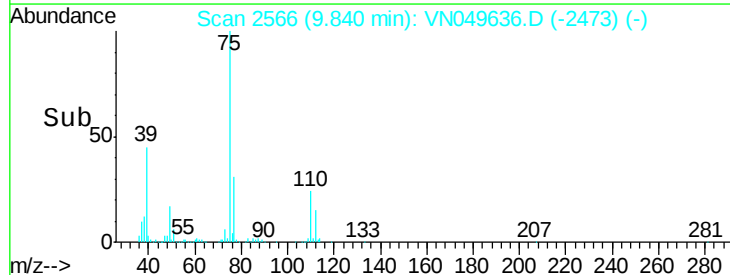
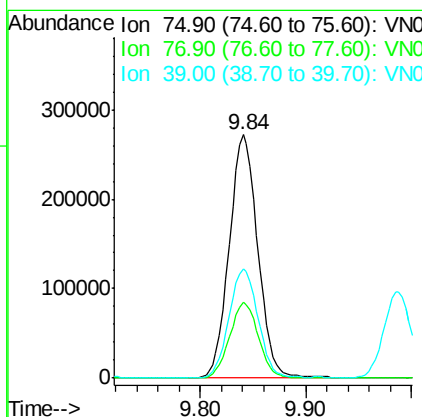
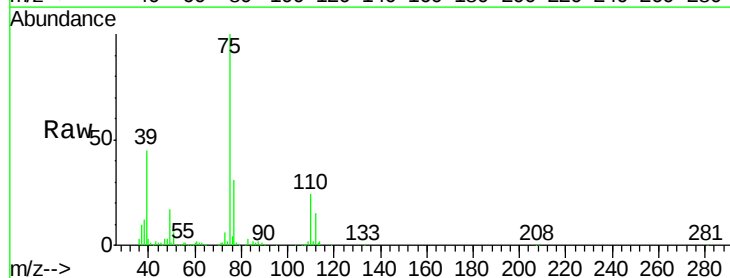
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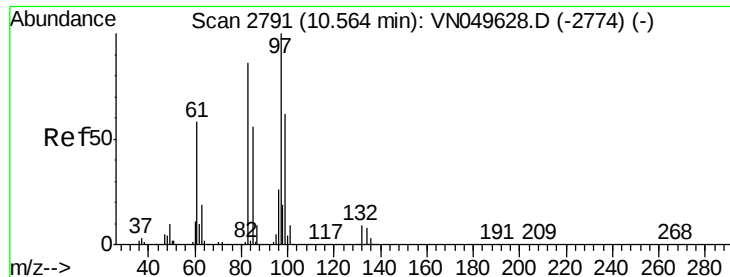
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#54
cis-1,3-Dichloropropene
Concen: 18.79 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.8	37.2
39	44.5	45.1	67.7#





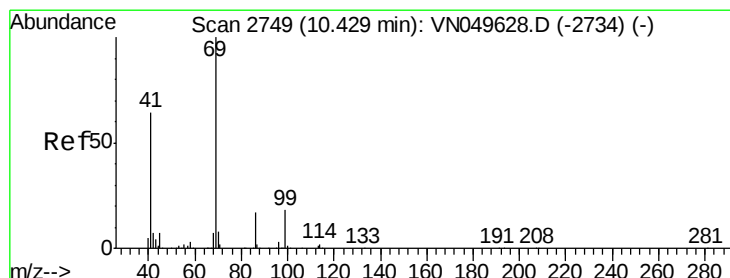
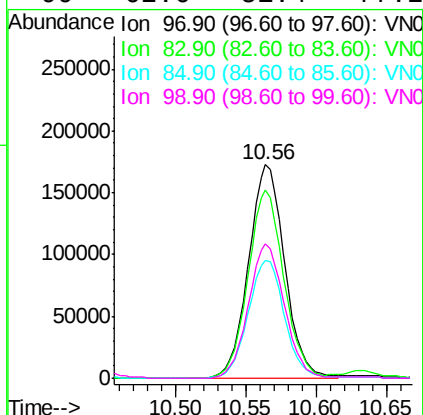
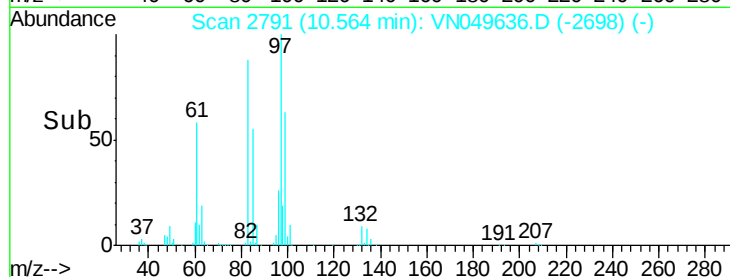
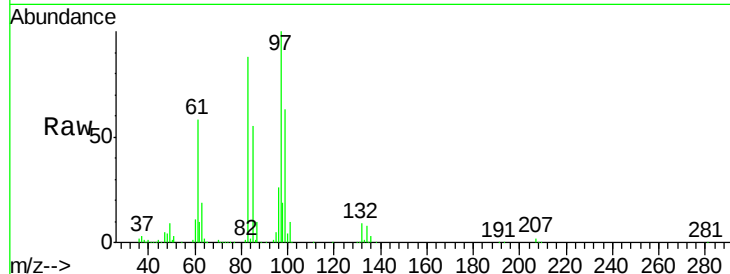
#55
 1,1,2-Trichloroethane
 Concen: 18.86 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049636.D
 Acq: 29 Jun 2018 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.0	71.5	107.3
85	55.2	47.0	70.4
99	62.6	51.4	77.2

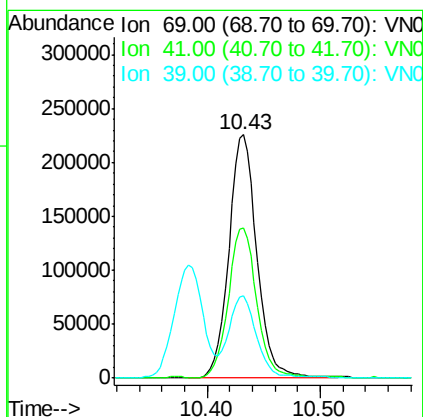
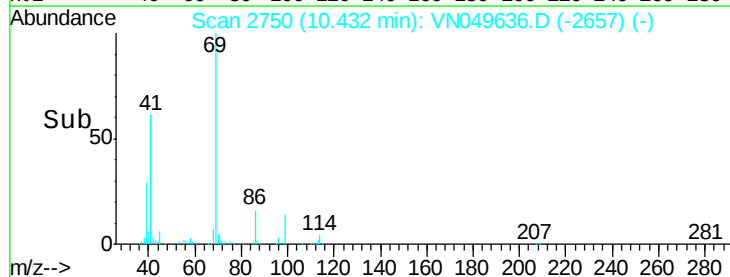
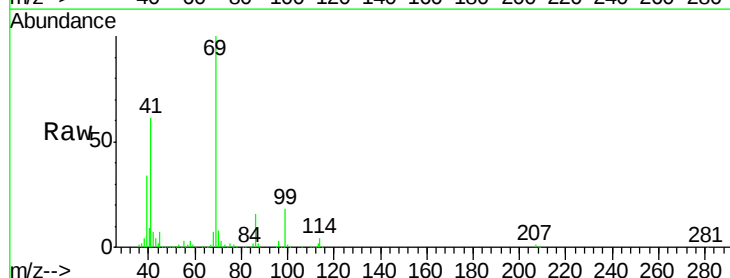
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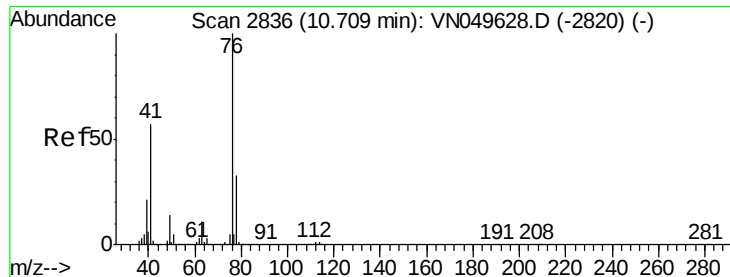
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#56
 Ethyl methacrylate
 Concen: 20.21 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049636.D
 Acq: 29 Jun 2018 17:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.2	58.4	87.6
39	33.0	35.5	53.3#





#57

1,3-Dichloropropane

Concen: 19.09 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD01

Tot Ion: 76 Resp: 507812

Ion Ratio Lower Upper

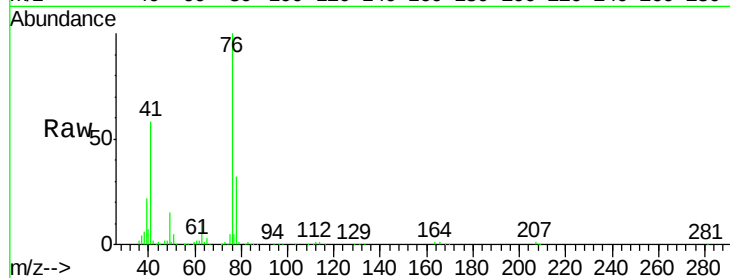
76 100

78 32.3 26.3 39.5

Manual Integrations
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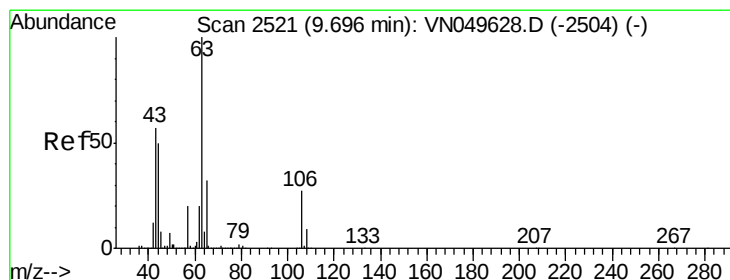
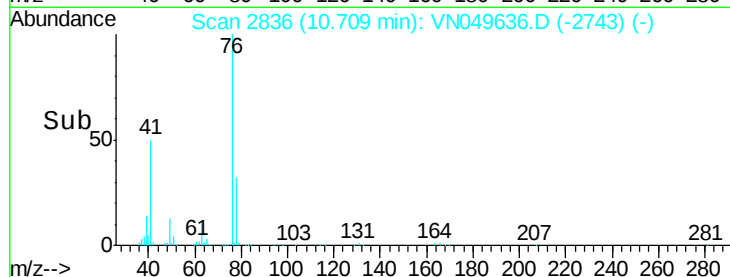
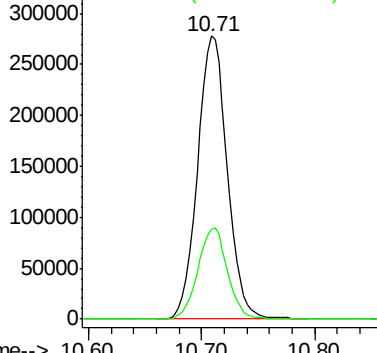
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 95.01 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049636.D

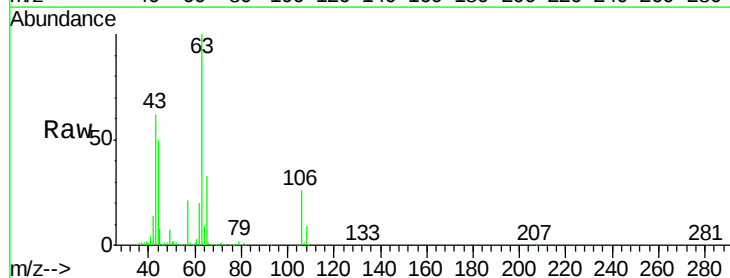
Acq: 29 Jun 2018 17:23

Tgt Ion: 63 Resp: 888008

Ion Ratio Lower Upper

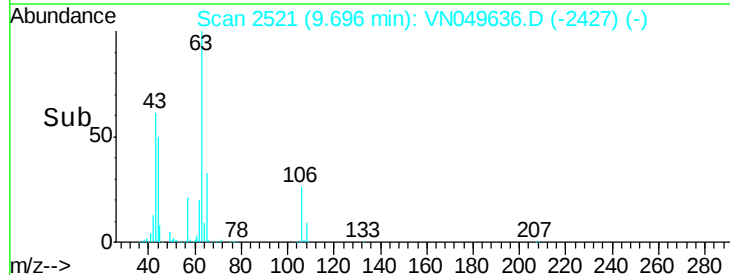
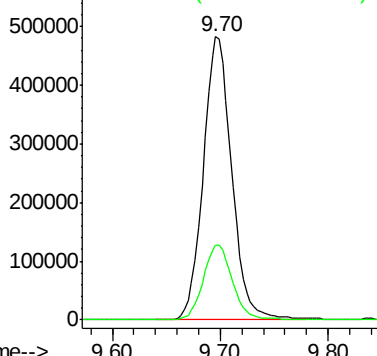
63 100

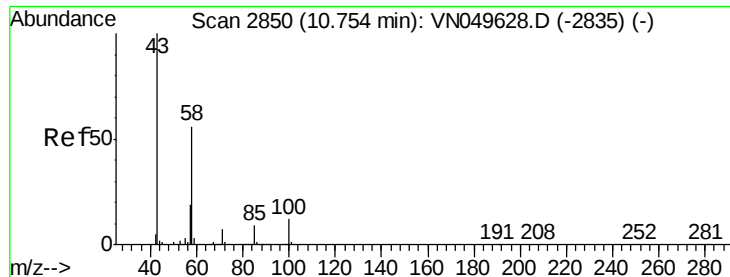
106 27.0 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





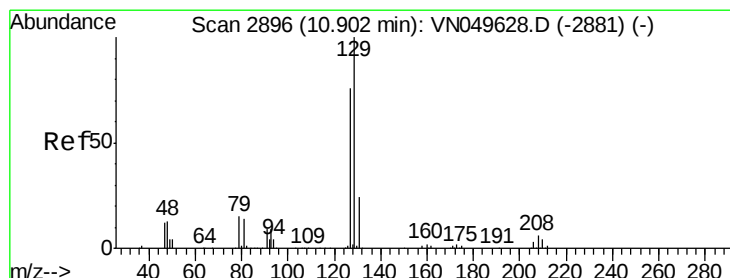
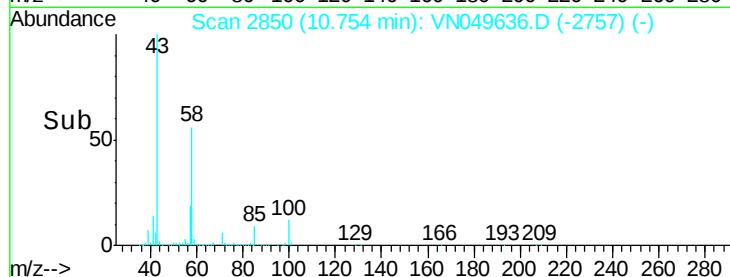
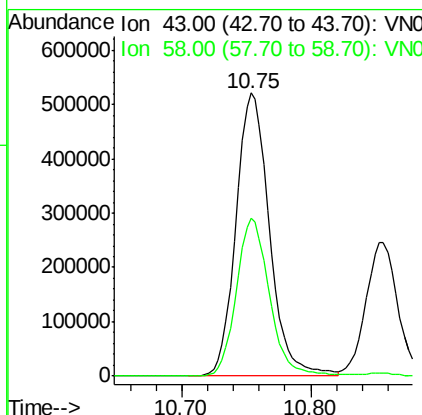
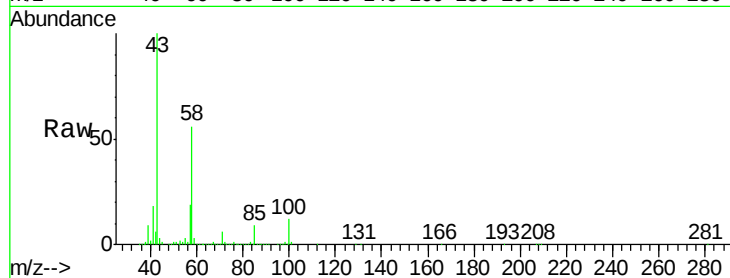
#59
2-Hexanone
Concen: 103.73 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion: 43 Resp: 936997
Ion Ratio Lower Upper
43 100
58 55.2 25.2 75.6

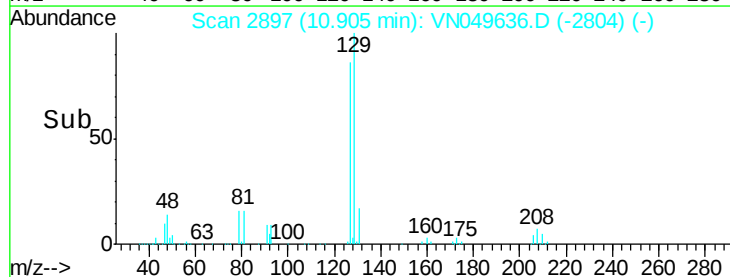
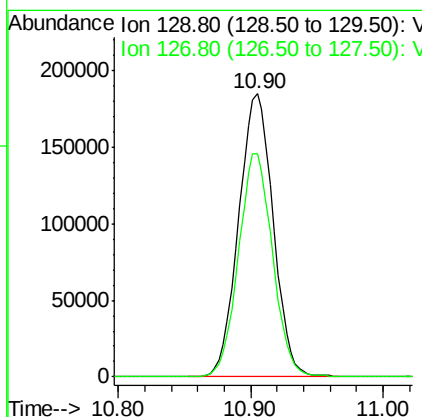
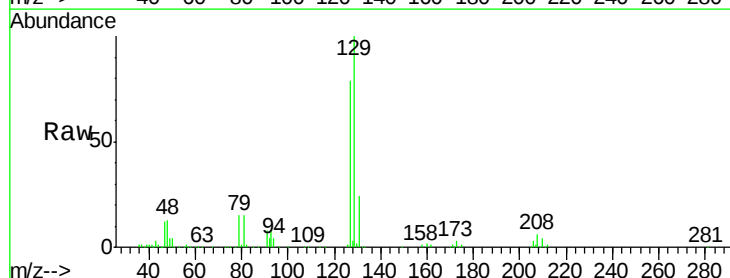
Manual Integrations
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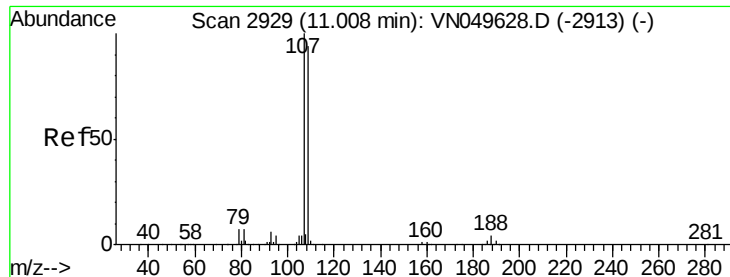
apatel
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#60
Dibromochloromethane
Concen: 18.86 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Tgt Ion: 129 Resp: 334492
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.94 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

ClientSampled :

VN0629WBSD01

Tot Ion: 107 Resp: 297760

Ion Ratio Lower Upper

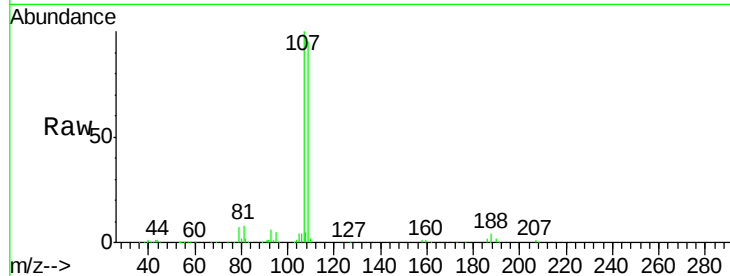
107 100

109 95.4 75.4 113.2

Manual Integrations
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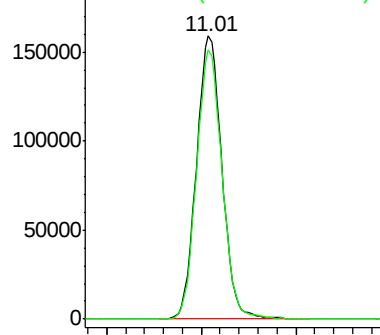
apatel

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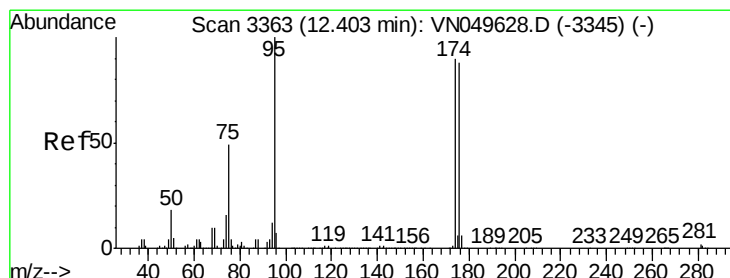
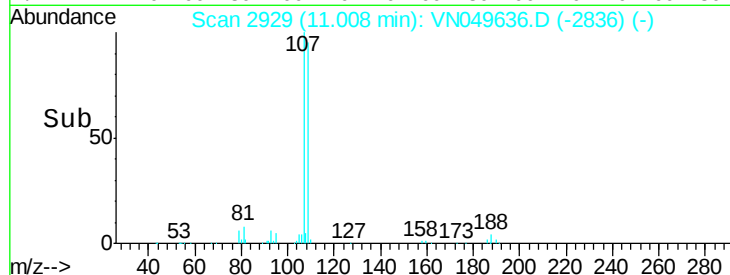


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 47.92 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

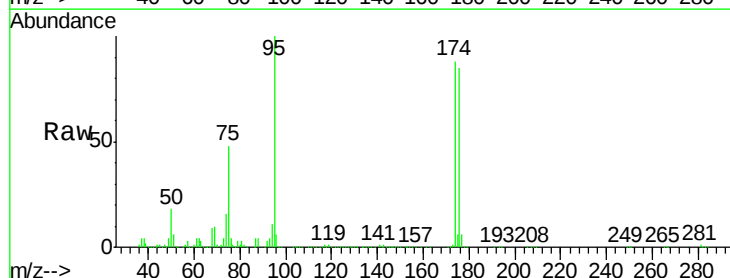
Tgt Ion: 95 Resp: 1016572

Ion Ratio Lower Upper

95 100

174 89.8 0.0 165.6

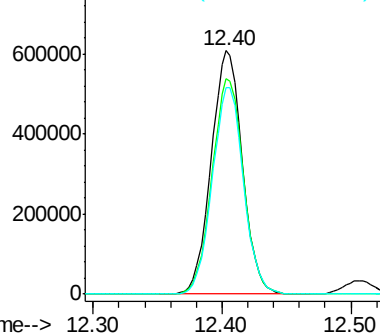
176 85.6 0.0 157.4



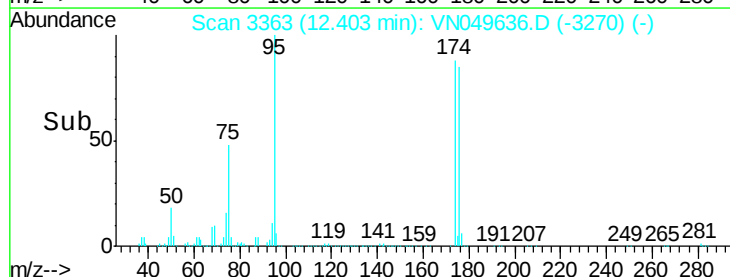
Abundance Ion 94.90 (94.60 to 95.60): V

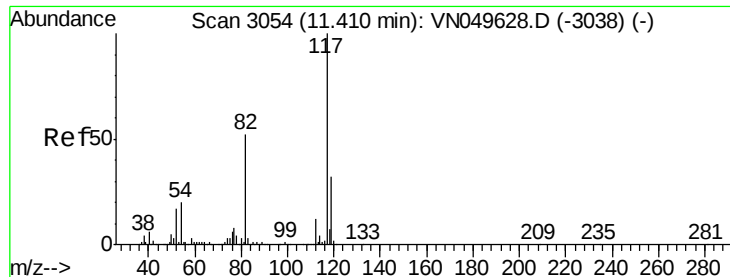
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





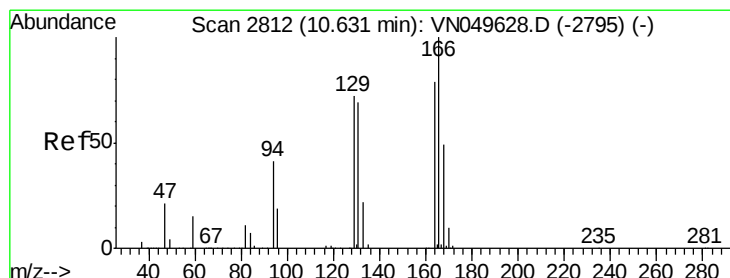
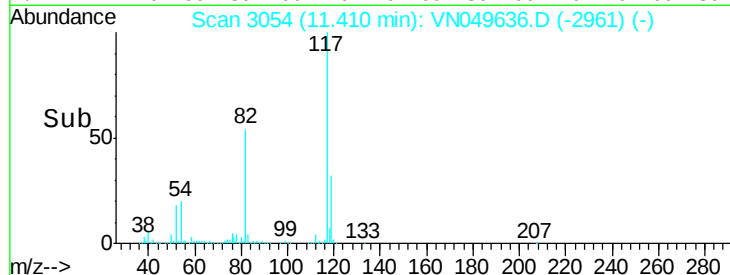
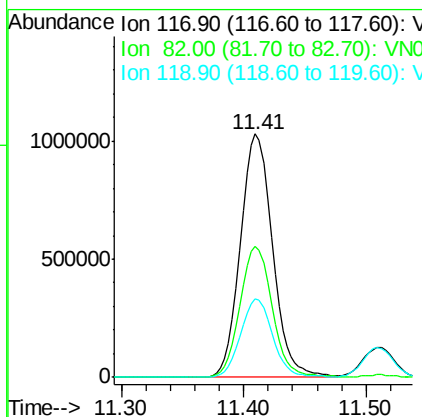
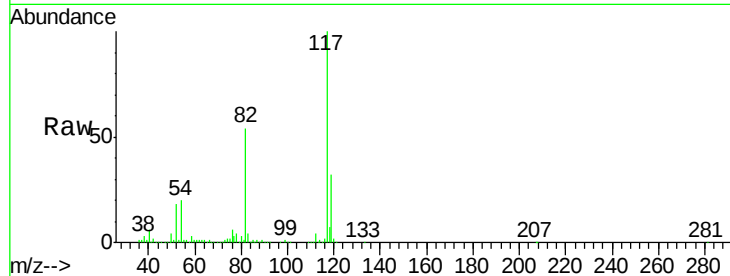
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.9	68.9
119	32.1	25.5	38.3

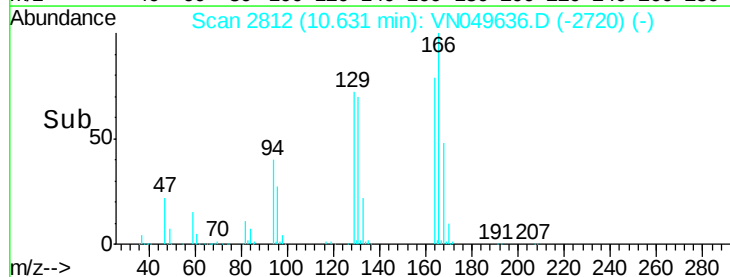
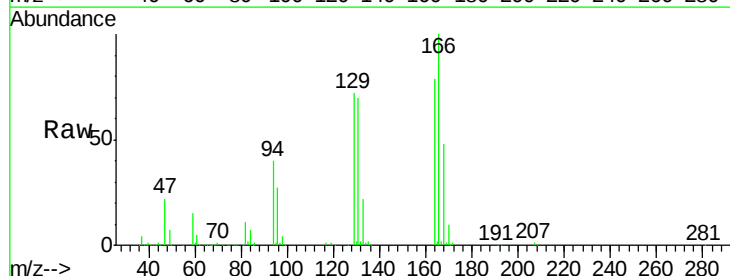
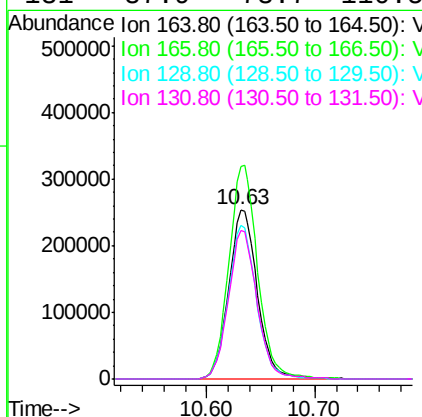
Manual Integrations
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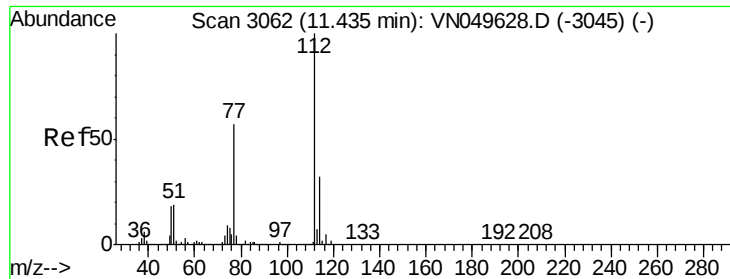
apatel
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#64
Tetrachloroethene
Concen: 18.47 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	101.4	152.2
129	90.8	74.1	111.1
131	87.9	73.7	110.5





#65

Chlorobenzene

Concen: 18.56 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD01

Tot Ion:112 Resp: 909532

Ion Ratio Lower Upper

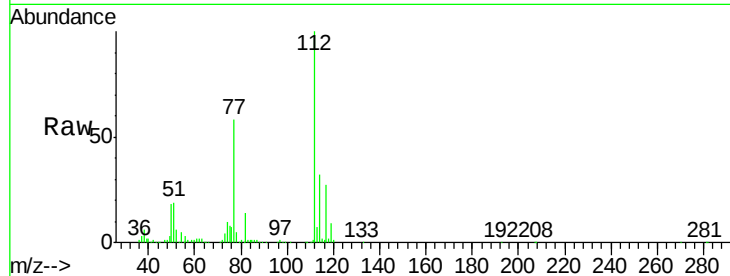
112 100

114 32.4 26.2 39.4

Manual Integrations
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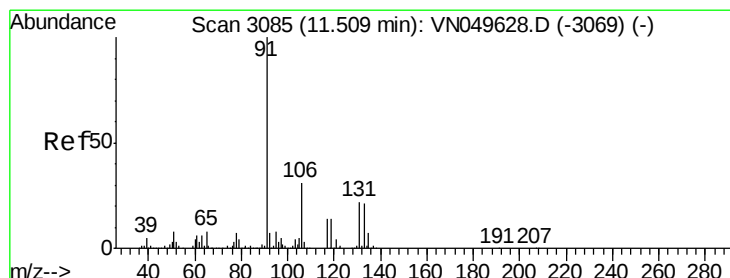
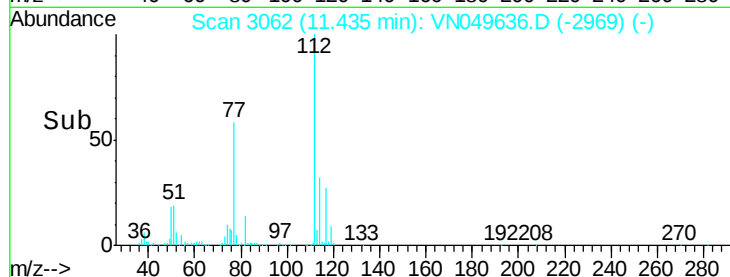
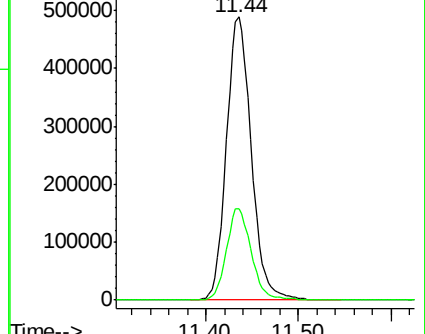
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.80 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

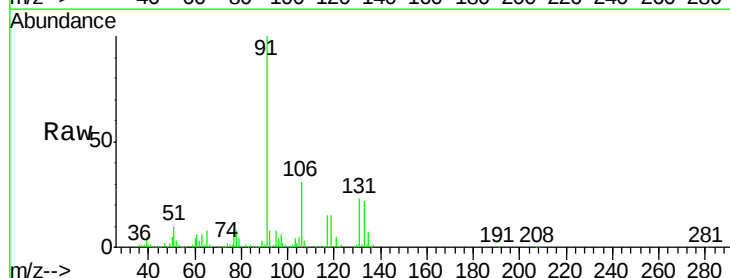
Tgt Ion:131 Resp: 331071

Ion Ratio Lower Upper

131 100

133 95.7 48.0 144.2

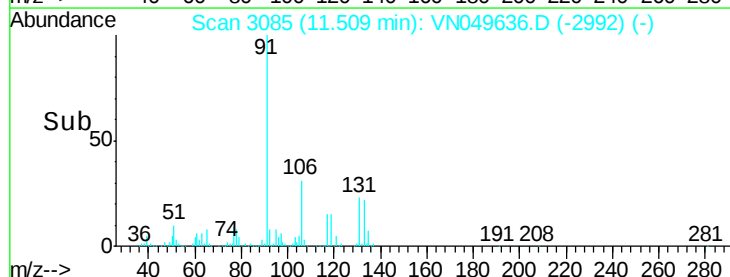
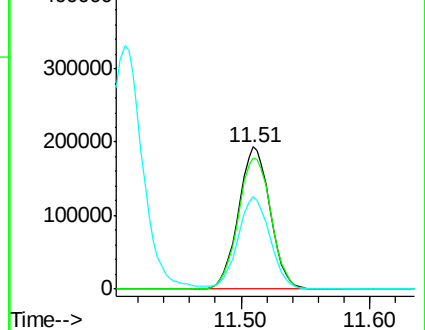
119 66.0 33.6 100.8

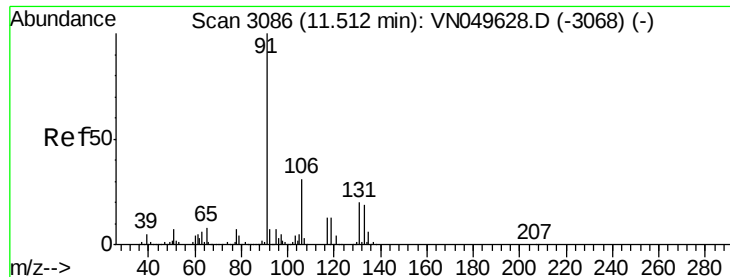


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.83 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD01

Tot Ion: 91 Resp: 1525568

Ion Ratio Lower Upper

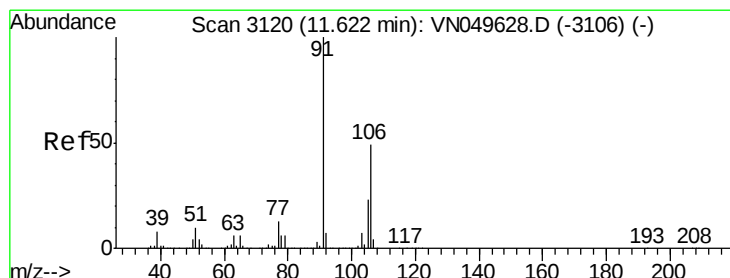
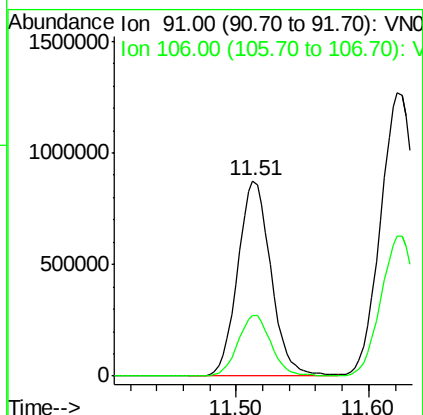
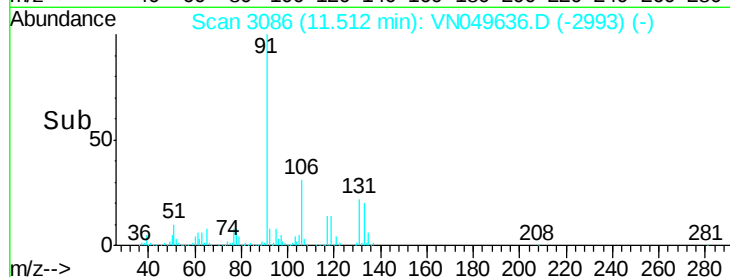
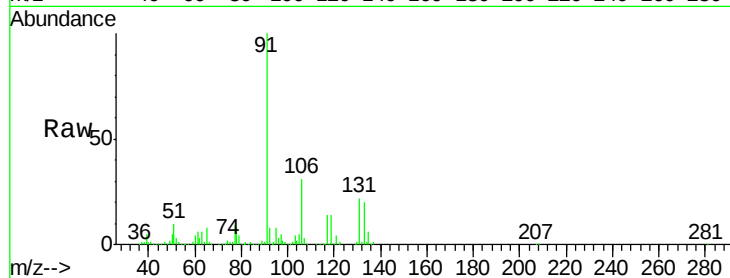
91 100

106 31.3 23.9 35.9

Manual Integrations
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#68

m/p-Xylenes

Concen: 38.42 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049636.D

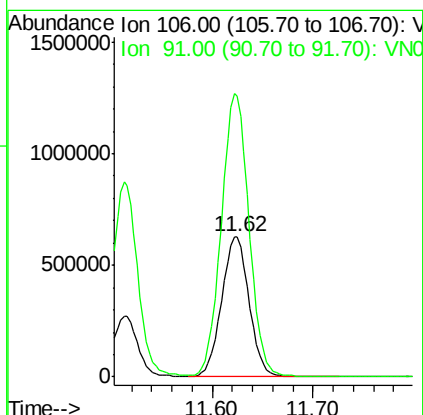
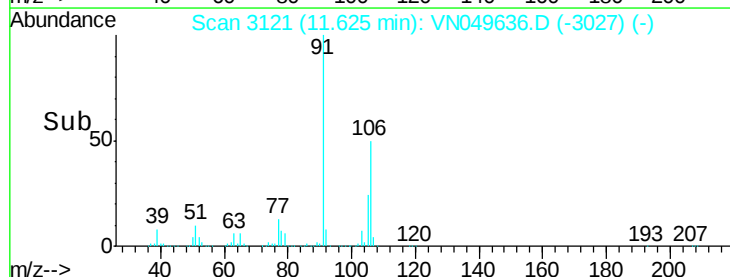
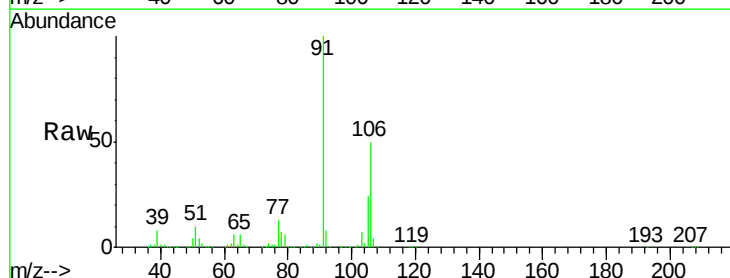
Acq: 29 Jun 2018 17:23

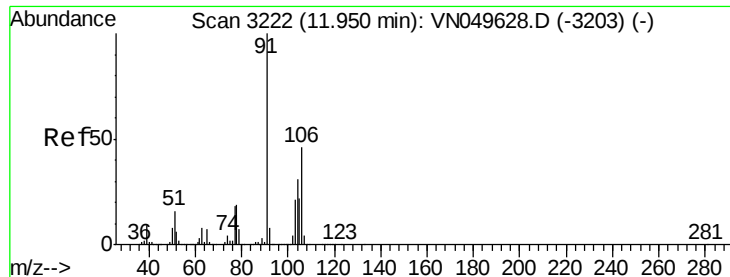
Tgt Ion: 106 Resp: 1192978

Ion Ratio Lower Upper

106 100

91 203.7 167.3 250.9





#69

o-Xylene

Concen: 19.26 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

ClientSampled :

VN0629WBSD01

Tot Ion:106 Resp: 572482

Ion Ratio Lower Upper

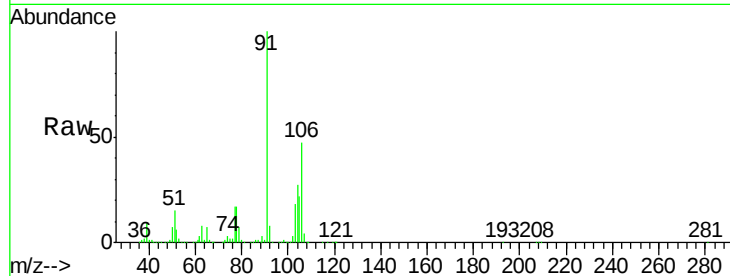
106 100

91 214.1 111.0 333.0

Manual Integrations
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

800000

600000

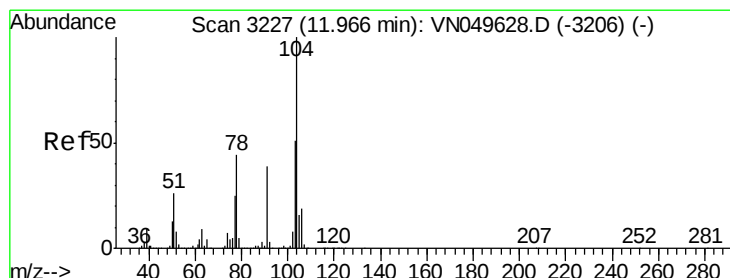
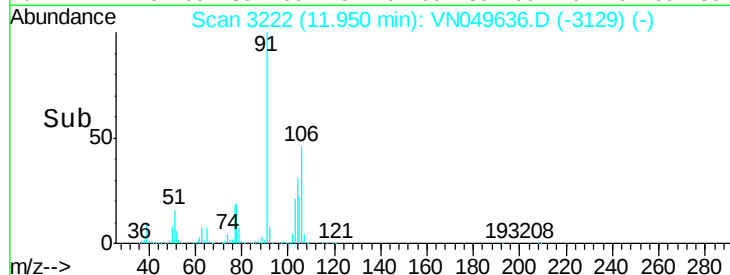
400000

200000

0

11.85 11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 19.25 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

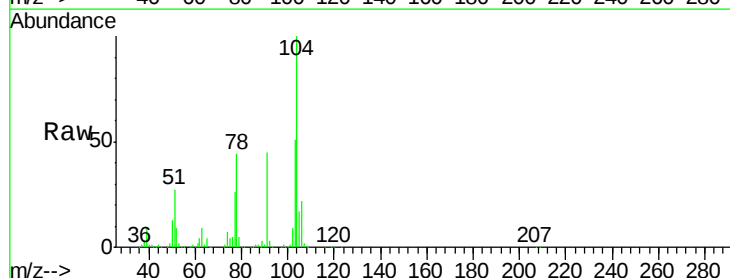
Tgt Ion:104 Resp: 926124

Ion Ratio Lower Upper

104 100

78 49.0 41.6 62.4

103 56.1 45.4 68.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V

600000

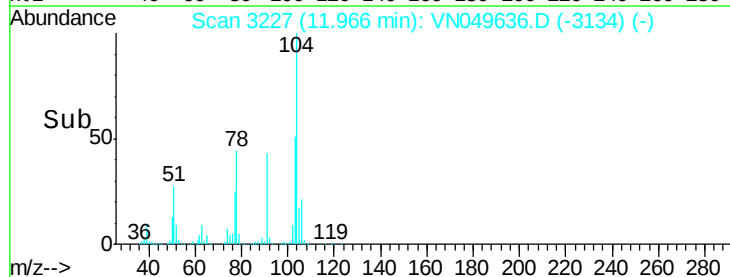
400000

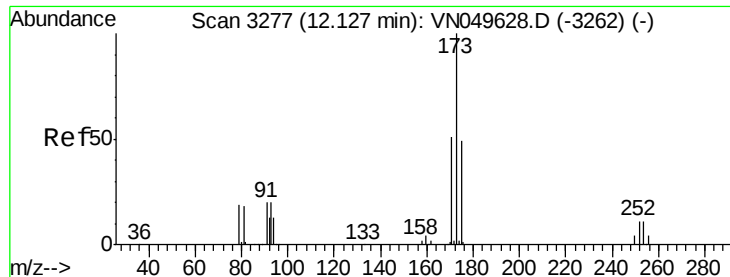
200000

0

11.90 11.95 12.00

Time-->





#71

Bromoform

Concen: 19.40 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD01

Tot Ion:173 Resp: 227035

Ion Ratio Lower Upper

173 100

175 48.5 24.5 73.5

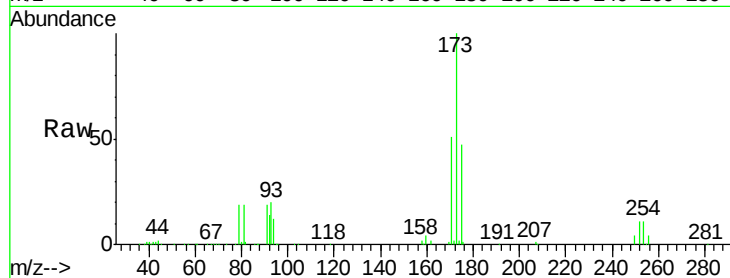
254 0.1 0.1 0.1

Manual Integrations

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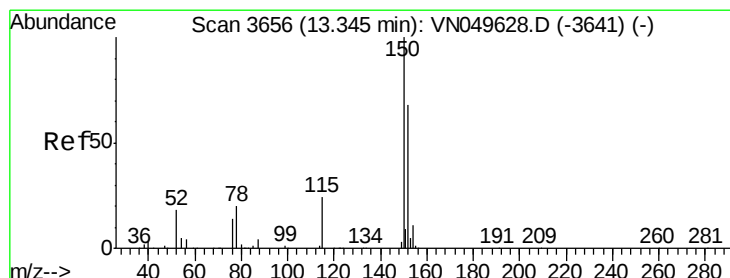
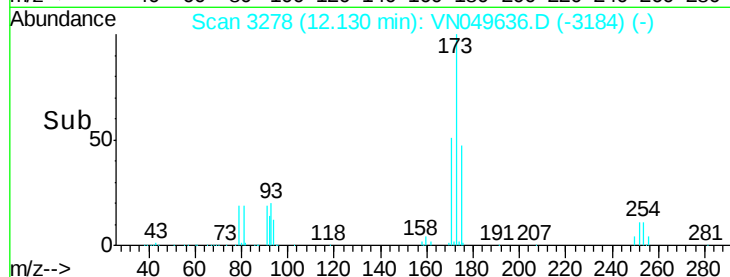
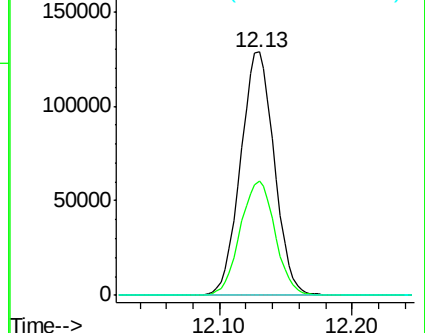
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

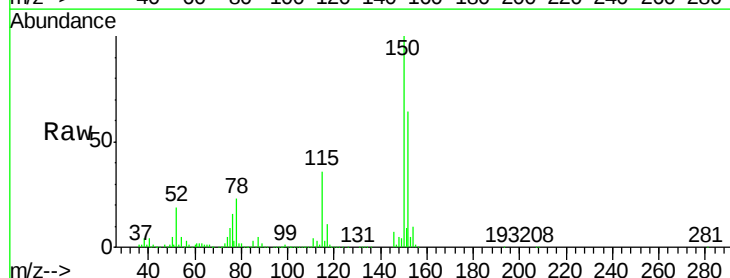
Tgt Ion:152 Resp: 983898

Ion Ratio Lower Upper

152 100

115 56.1 28.7 86.1

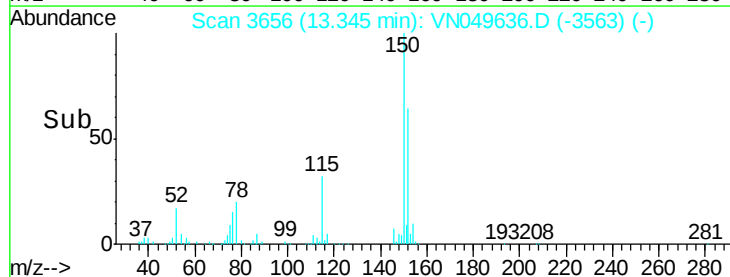
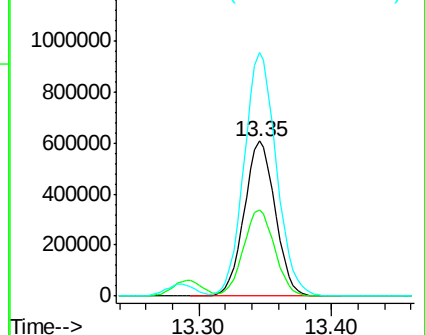
150 163.6 0.0 351.0

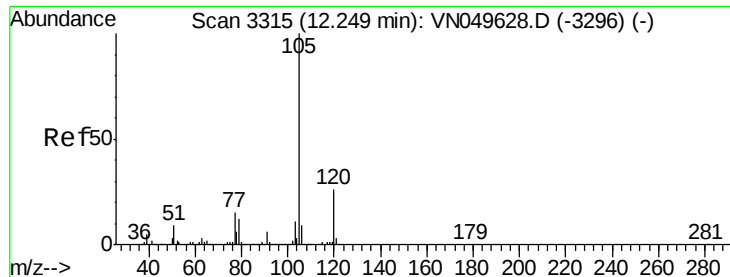


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.29 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

ClientSampled :

VN0629WBSD01

Tot Ion:105 Resp: 1511919

Ion Ratio Lower Upper

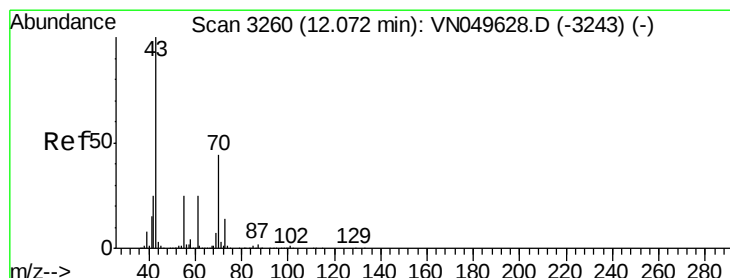
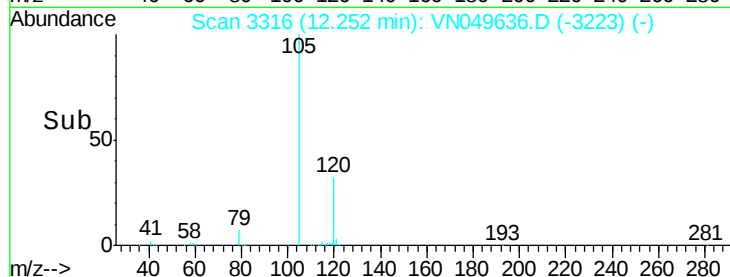
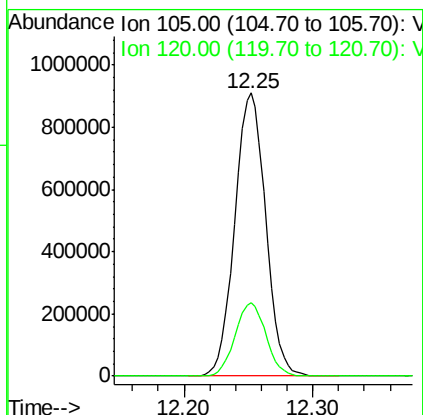
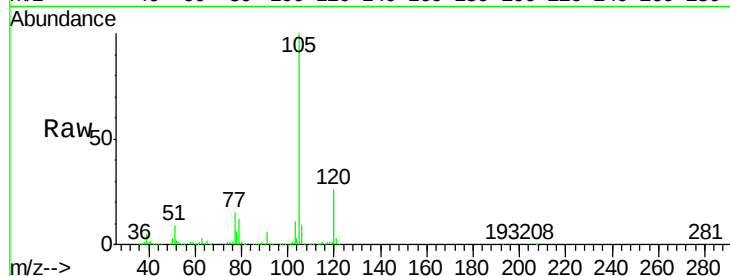
105 100

120 26.1 12.8 38.3

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#74

N-ethyl acetate

Concen: 19.74 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Tgt Ion: 43 Resp: 422670

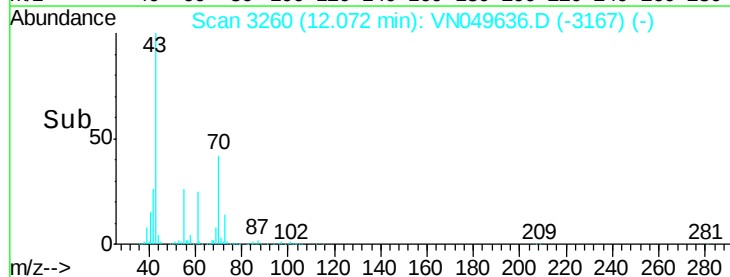
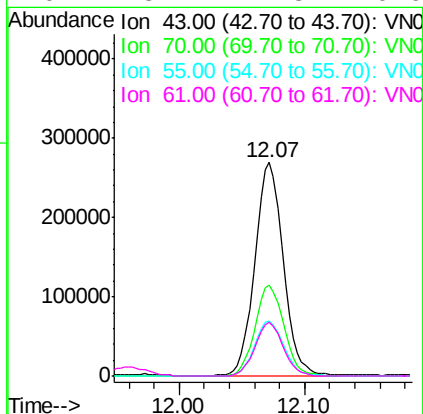
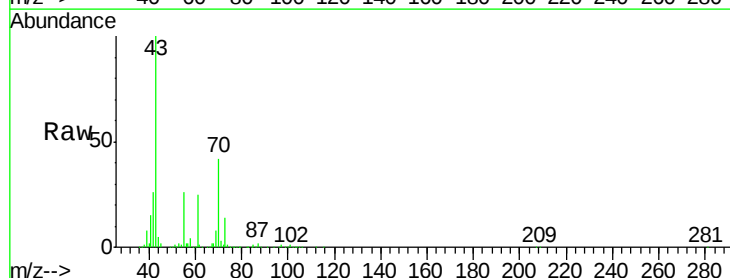
Ion Ratio Lower Upper

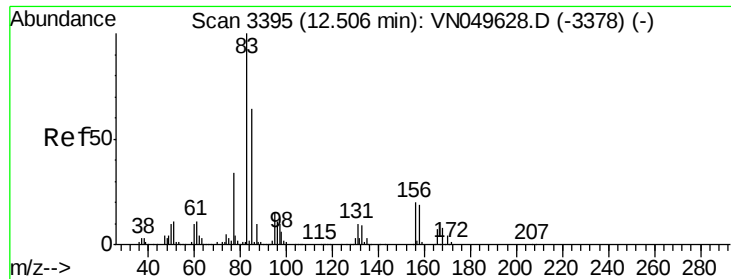
43 100

70 43.5 30.3 45.5

55 26.8 19.4 29.2

61 25.1 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.80 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

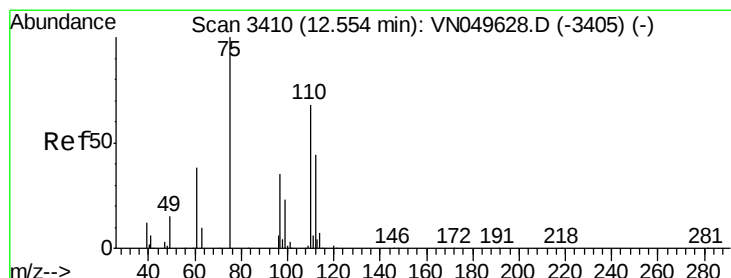
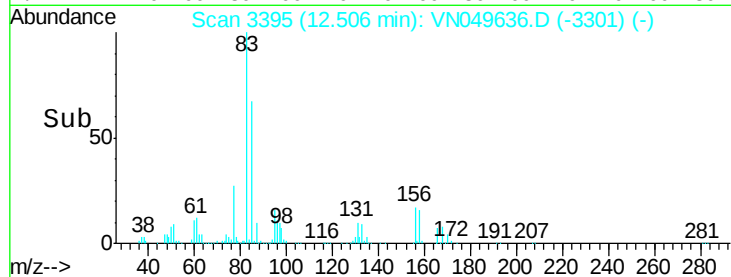
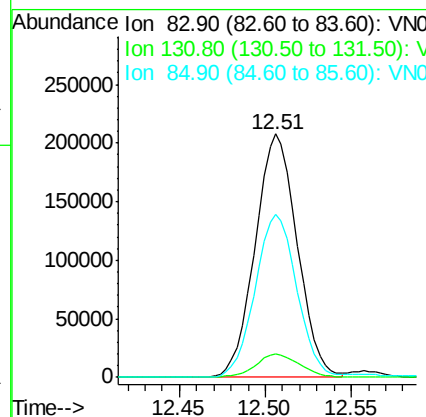
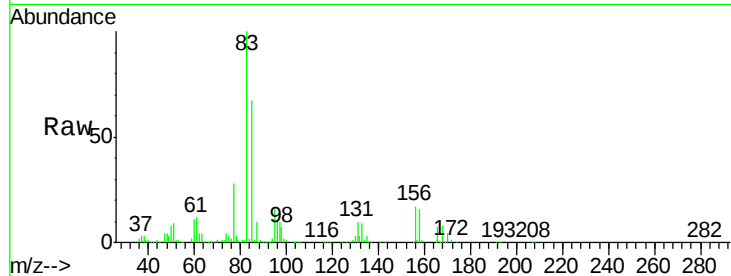
ClientSampled :

VN0629WBSD01

Tot Ion:	83	Resp:	351886
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	15.0
85	66.5	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.42 ug/l m

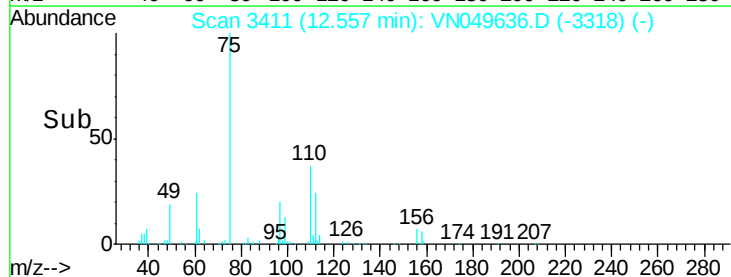
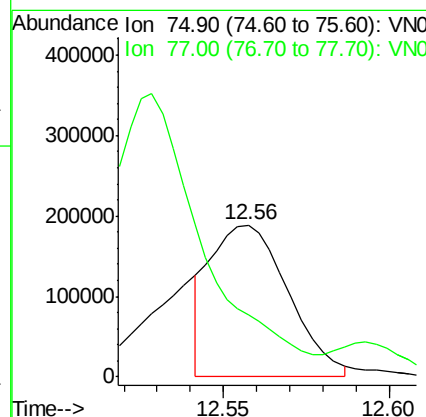
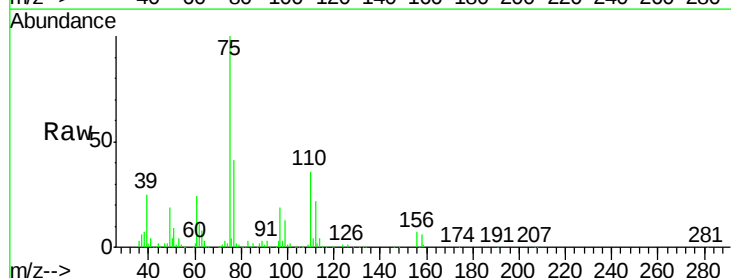
RT: 12.56 min Scan# 3411

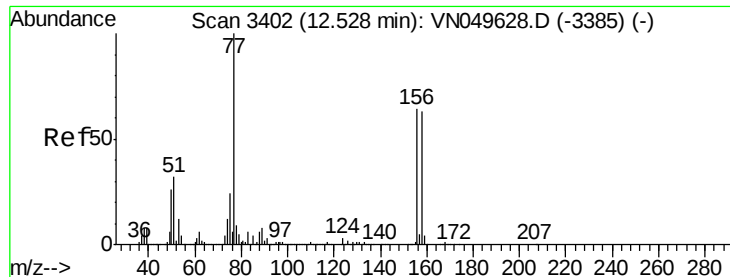
Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Tgt Ion:	75	Resp:	307501
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.36 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

ClientSampled :

VN0629WBSD01

Tot Ion:156 Resp: 391184

Ion Ratio Lower Upper

156 100

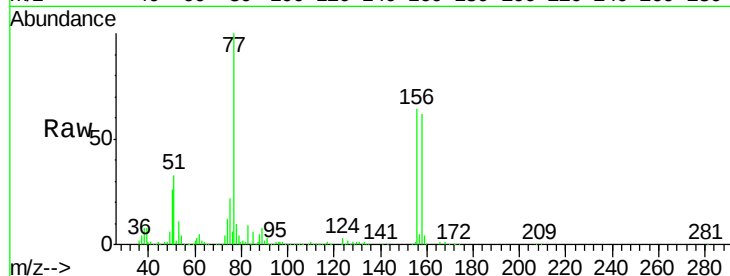
77 180.9 100.8 302.4

158 96.6 49.3 147.9

Manual Integrations
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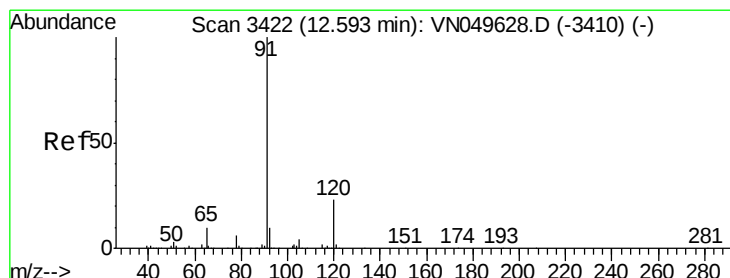
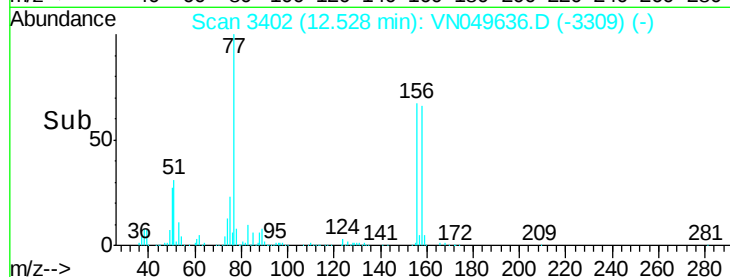
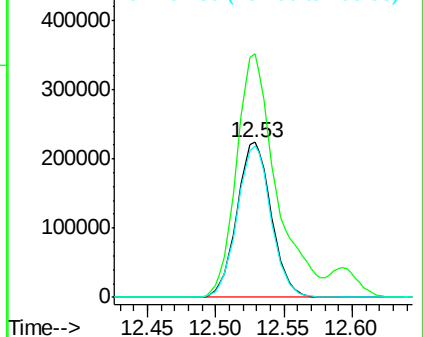
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.38 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049636.D

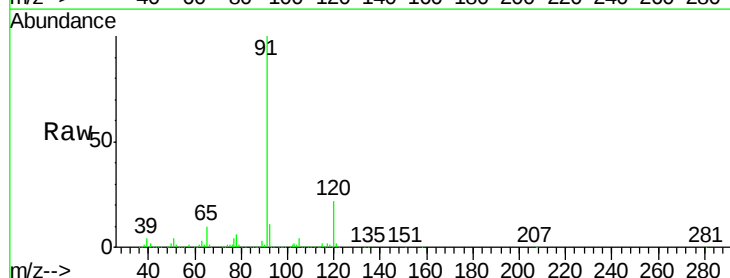
Acq: 29 Jun 2018 17:23

Tgt Ion: 91 Resp: 1740698

Ion Ratio Lower Upper

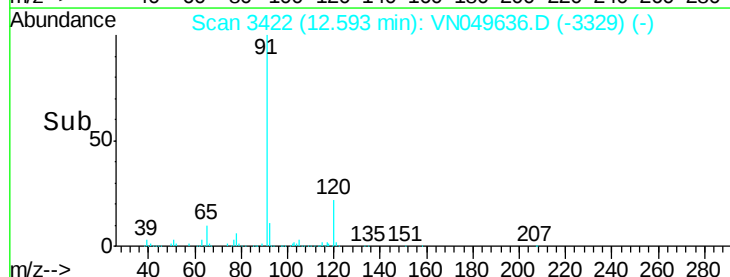
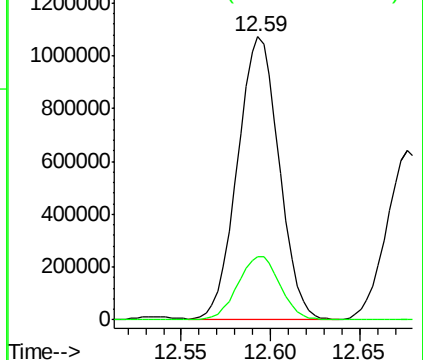
91 100

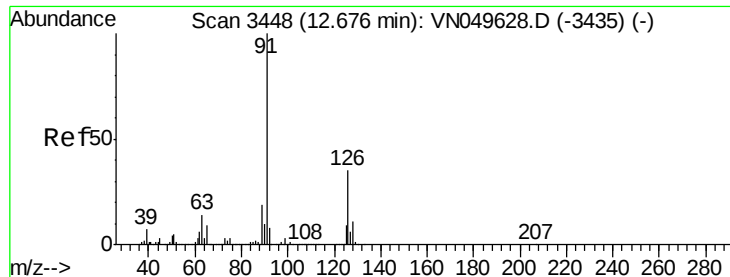
120 22.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.45 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

ClientSampled :

VN0629WBSD01

Tot Ion: 91 Resp: 1048942

Ion Ratio Lower Upper

91 100

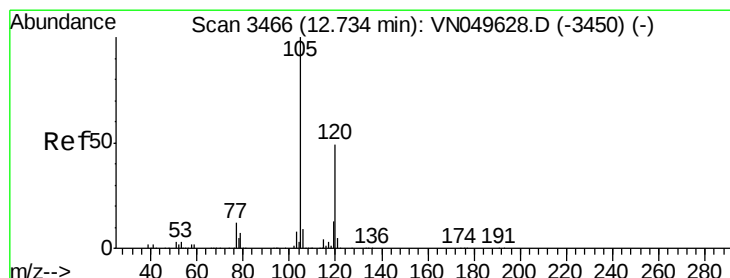
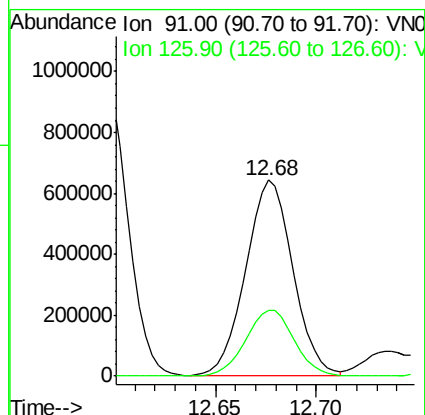
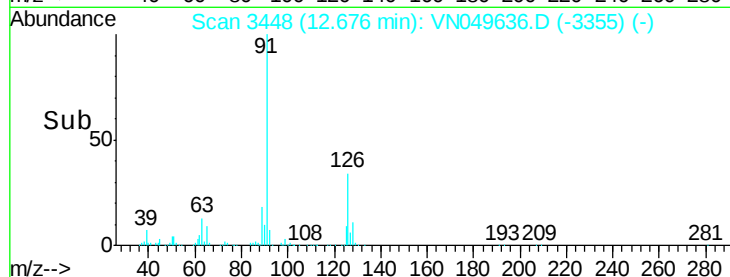
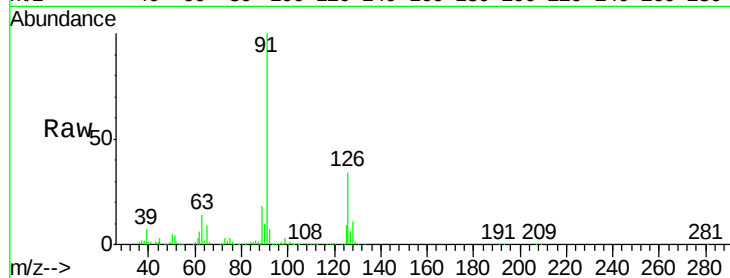
126 34.8 16.6 49.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.57 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049636.D

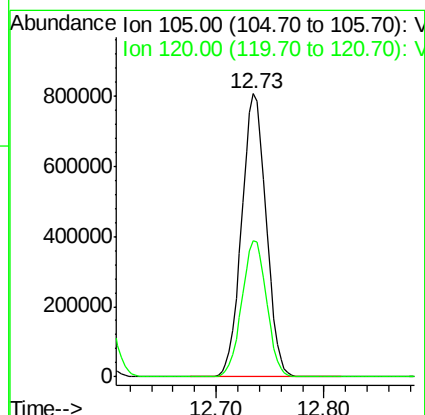
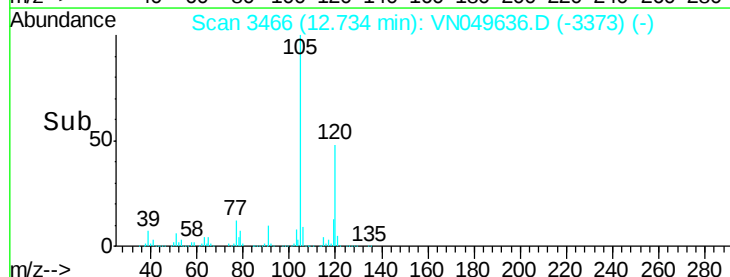
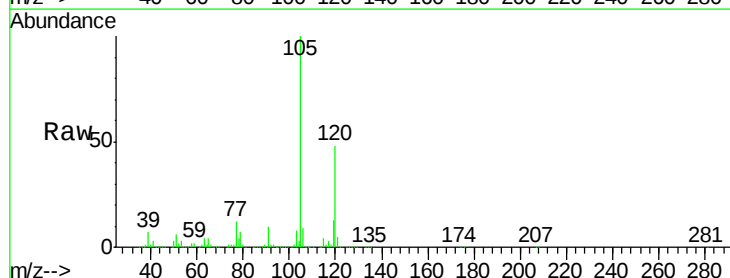
Acq: 29 Jun 2018 17:23

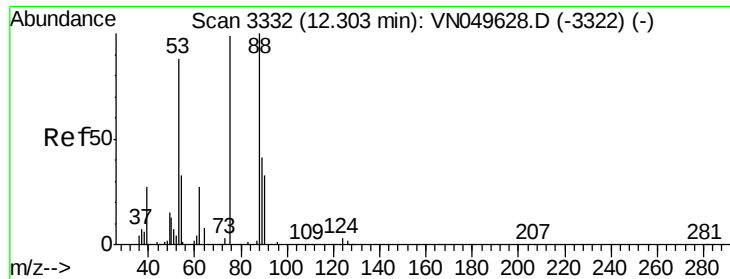
Tgt Ion: 105 Resp: 1274624

Ion Ratio Lower Upper

105 100

120 48.6 23.5 70.5





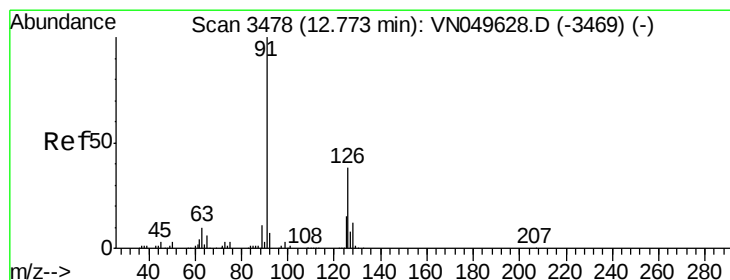
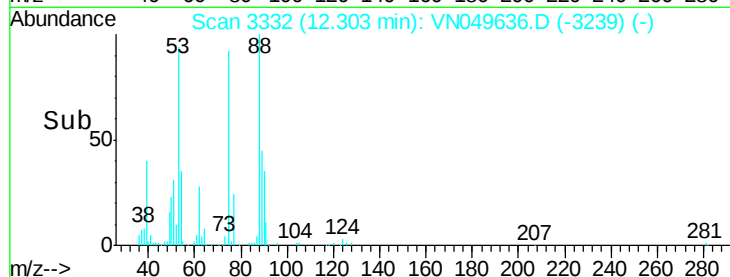
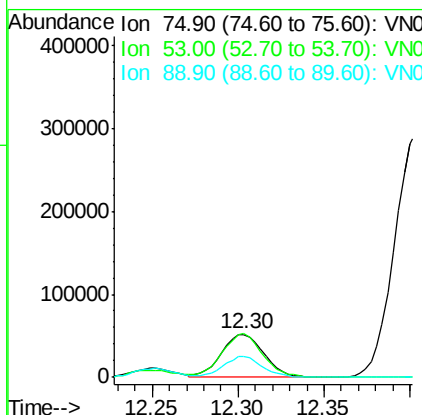
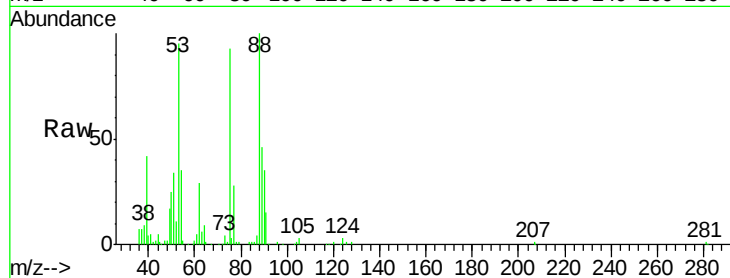
#81
trans-1,4-Dichloro-2-butene
Concen: 19.09 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.5	82.7	124.1
89	45.1	36.5	54.7

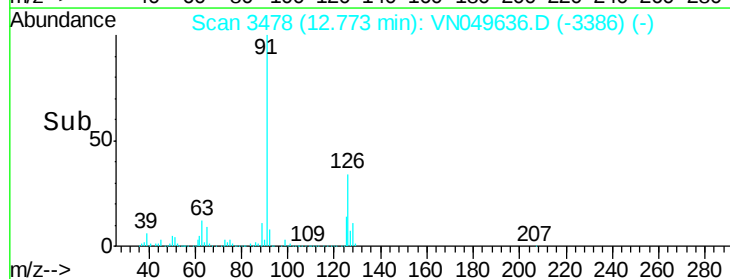
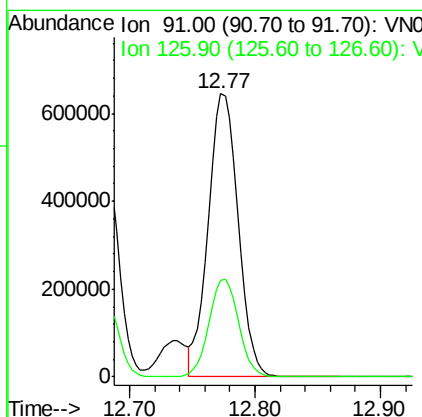
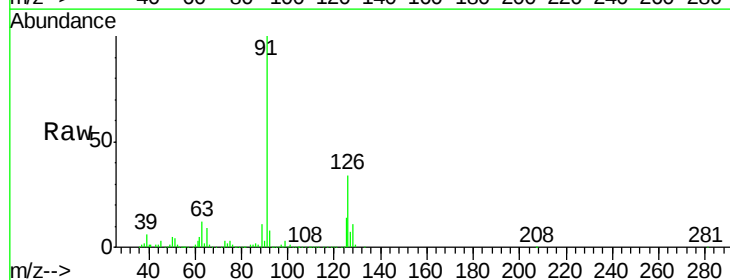
Manual Integrations
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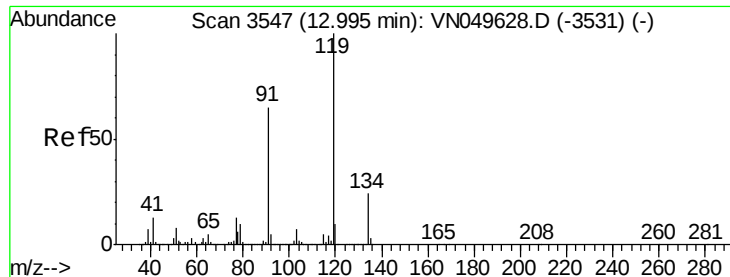
apatel
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#82
4-Chlorotoluene
Concen: 18.73 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.4	49.1





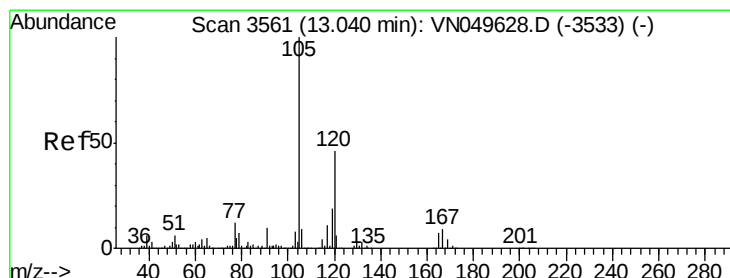
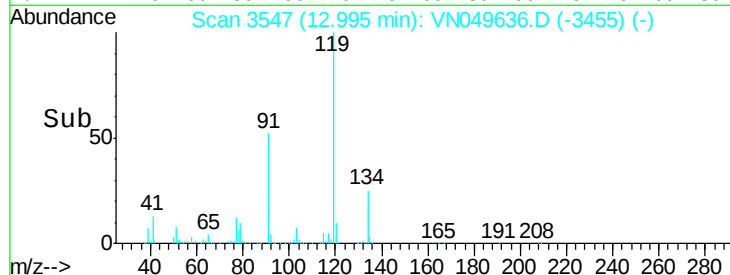
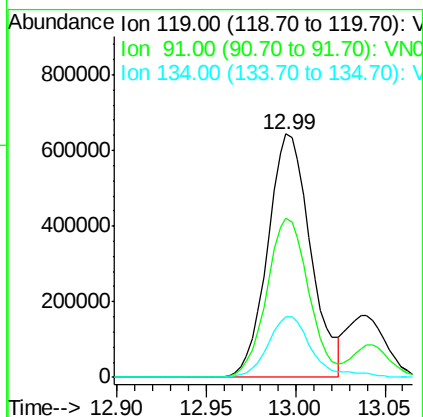
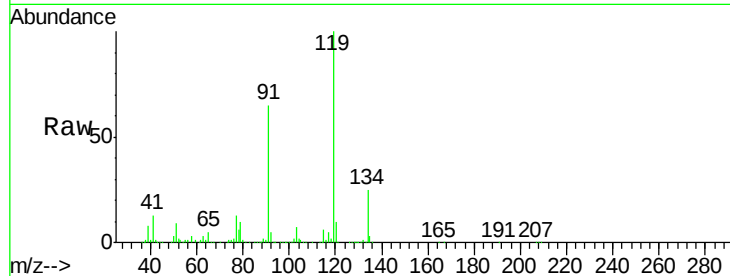
#83
 tert-Butylbenzene
 Concen: 19.31 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049636.D
 Acq: 29 Jun 2018 17:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	33.7	101.0
134	25.6	12.9	38.6

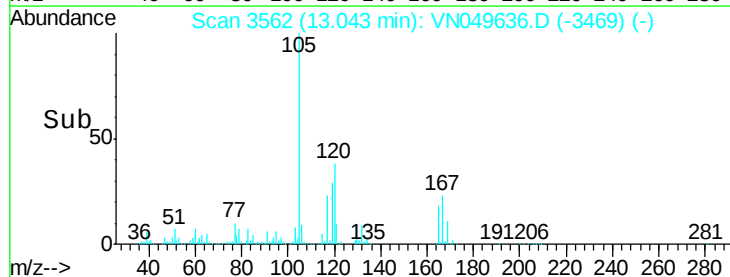
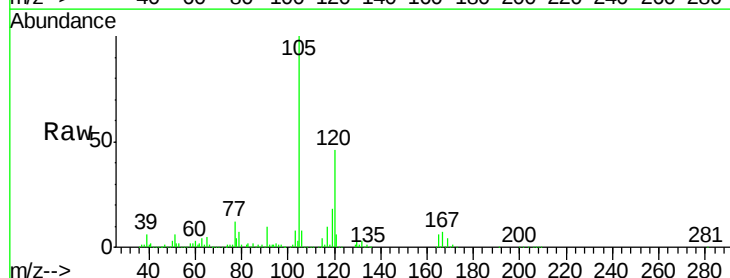
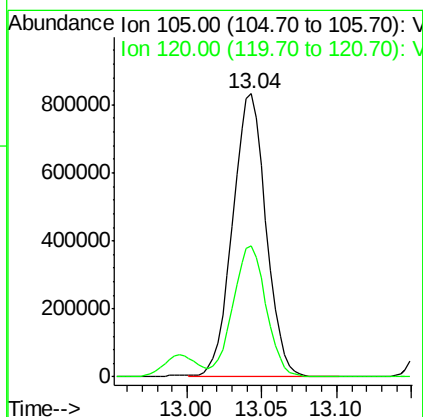
Manual Integrations
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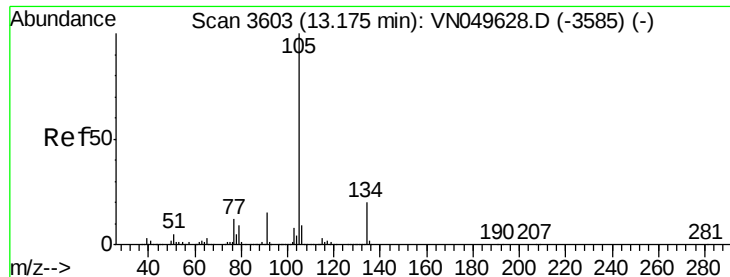
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.29 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049636.D
 Acq: 29 Jun 2018 17:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.2	66.6





#85

sec-Butylbenzene

Concen: 19.37 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

ClientSampled :

VN0629WBSD01

Tot Ion:105 Resp: 1436138

Ion Ratio Lower Upper

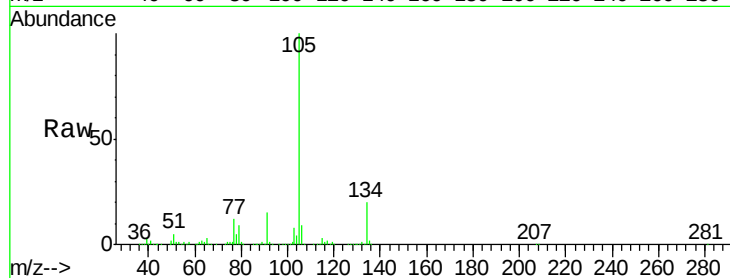
105 100

134 20.2 9.8 29.3

Manual Integrations
APPROVED

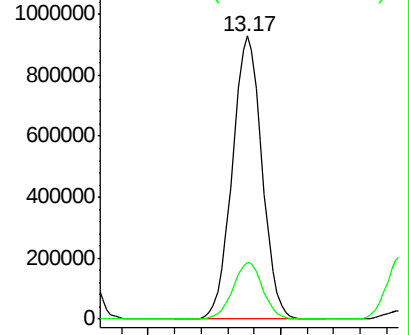
apatel

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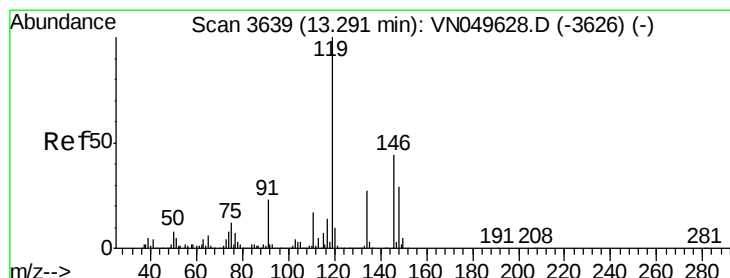
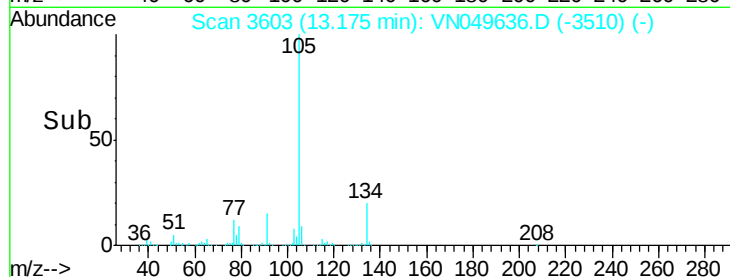


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 19.37 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

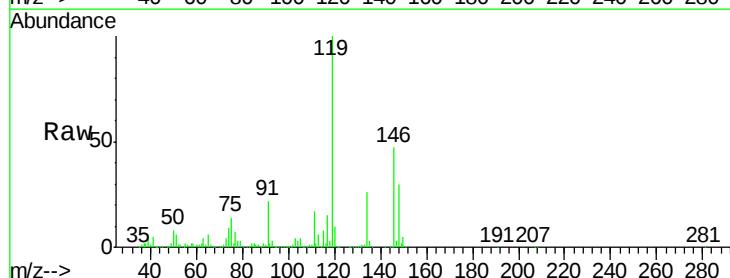
Tgt Ion:119 Resp: 1243433

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.6

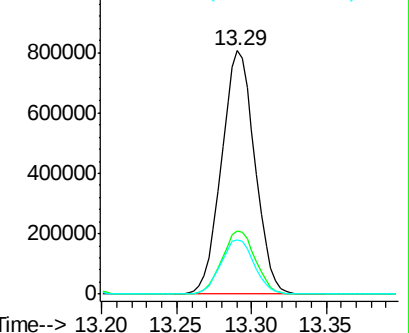
91 22.5 12.1 36.3



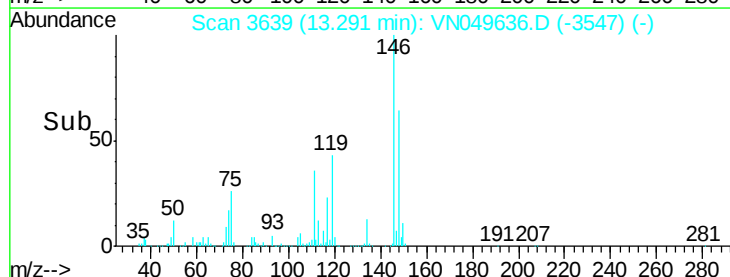
Abundance Ion 119.00 (118.70 to 119.70): V

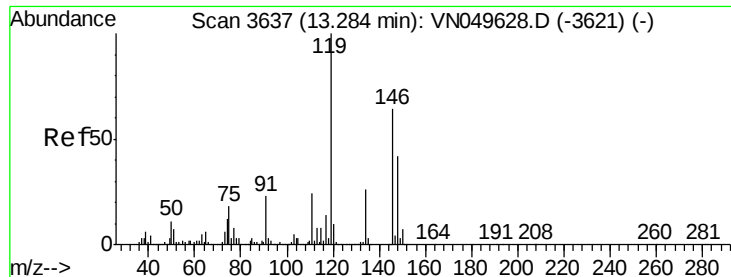
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 19.17 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

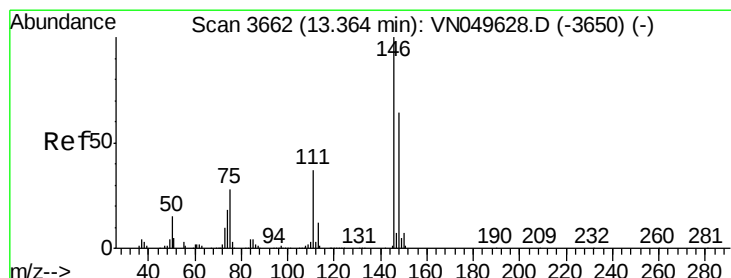
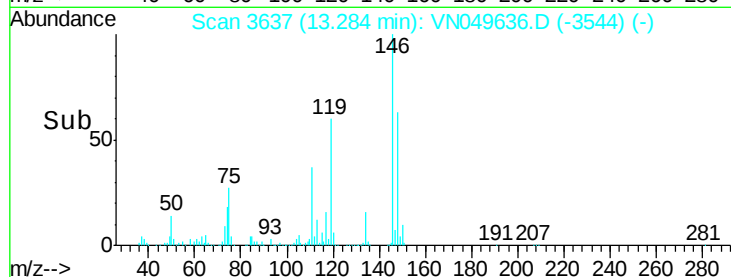
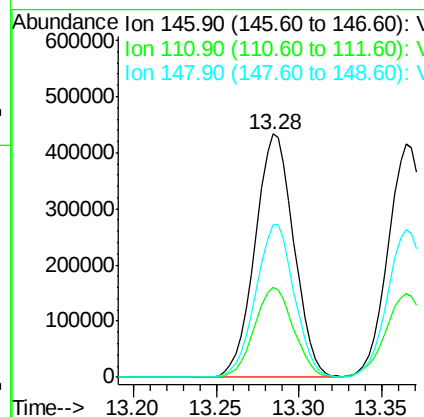
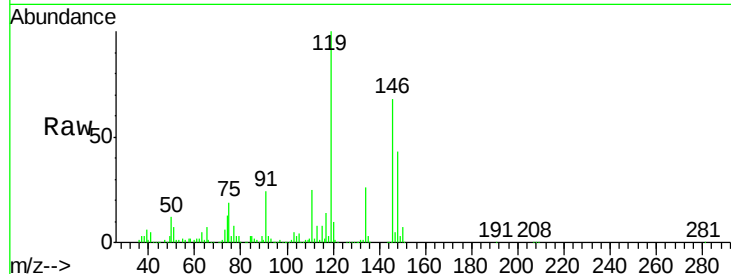
ClientSampleId :

VN0629WBSD01

Tot Ion:	146	Resp:	704313
Ion Ratio	Lower	Upper	
146	100		
111	37.2	19.9	59.6
148	62.5	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.00 ug/l

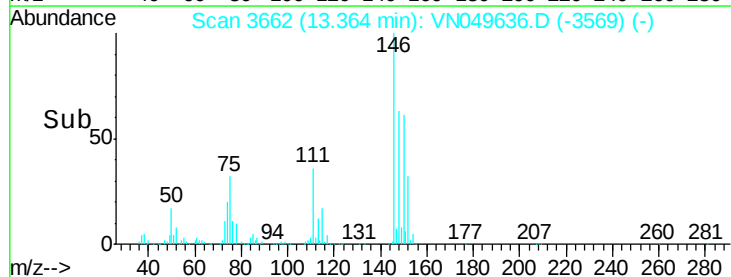
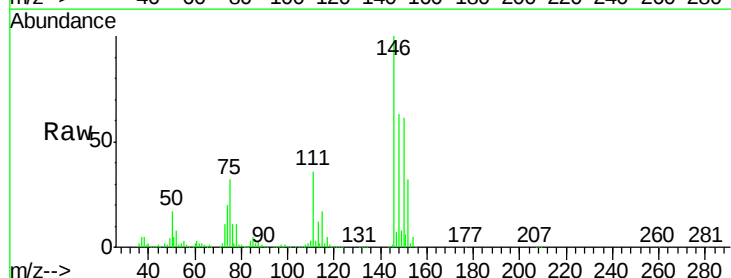
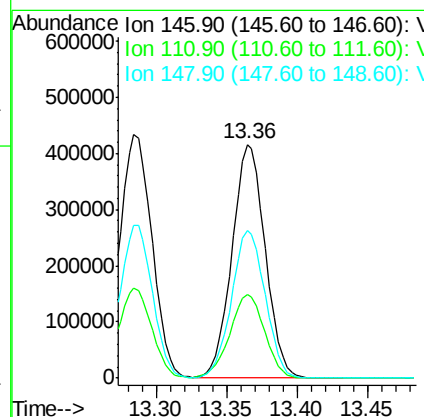
RT: 13.36 min Scan# 3662

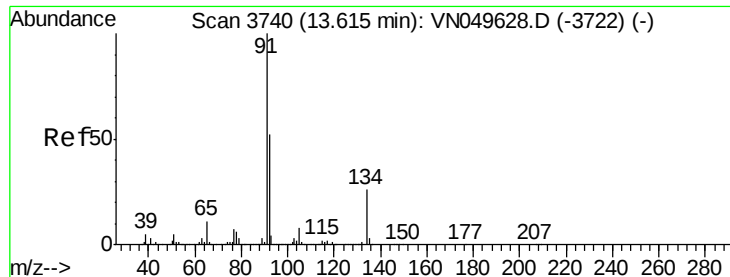
Delta R.T. -0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Tgt Ion:	146	Resp:	683055
Ion Ratio	Lower	Upper	
146	100		
111	37.4	19.1	57.1
148	64.2	32.0	96.2





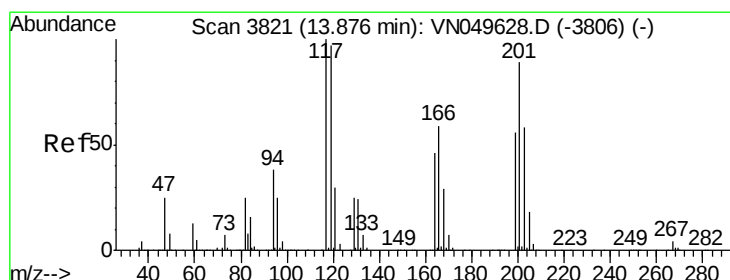
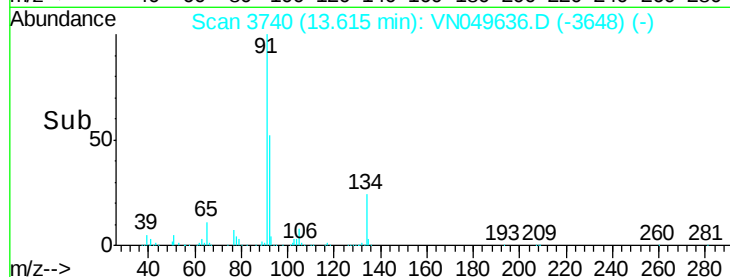
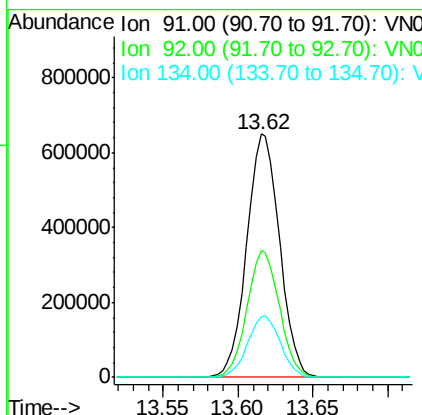
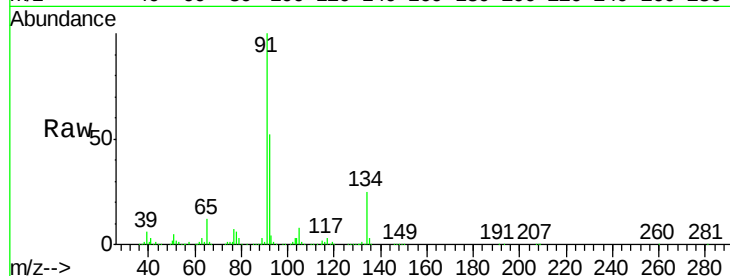
#89
n-Butylbenzene
Concen: 18.01 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Instrument :
MSVOA_N
ClientSampled :
VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.1	75.4
134	25.4	12.0	36.0

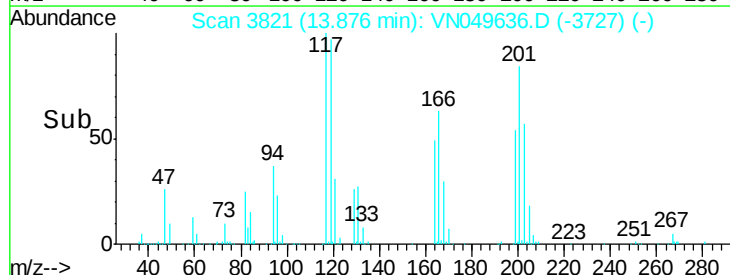
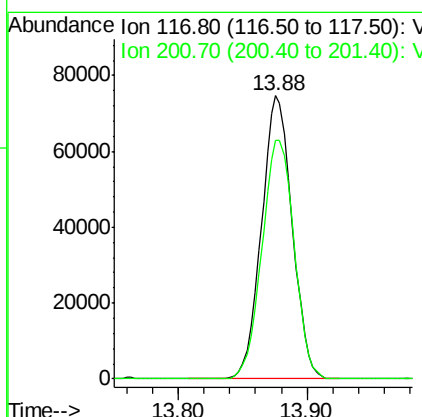
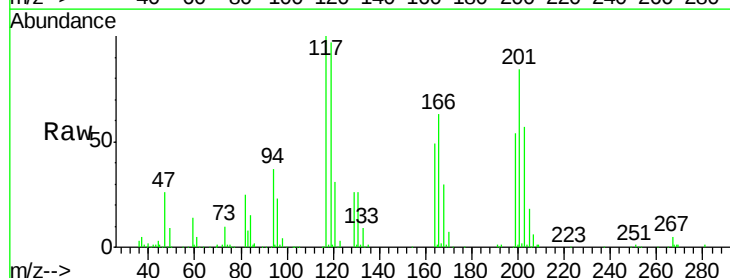
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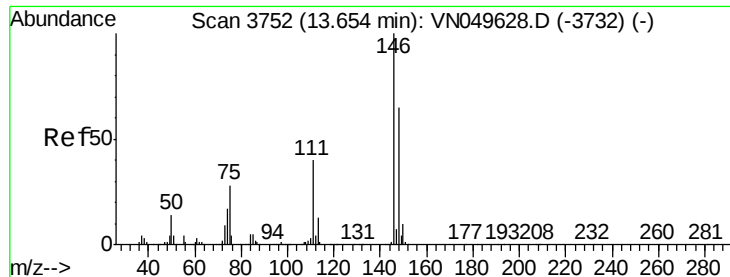
apatel
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#90
Hexachloroethane
Concen: 18.38 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049636.D
Acq: 29 Jun 2018 17:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	40.1	120.2





#91

1,2-Dichlorobenzene

Concen: 19.20 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

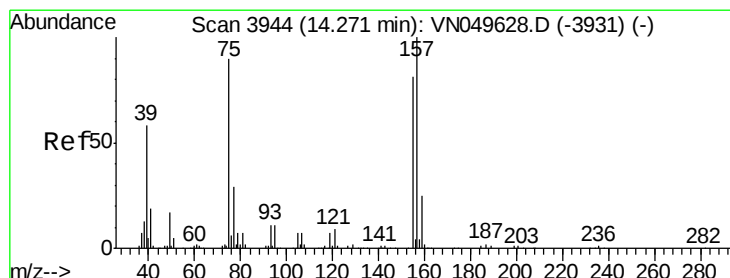
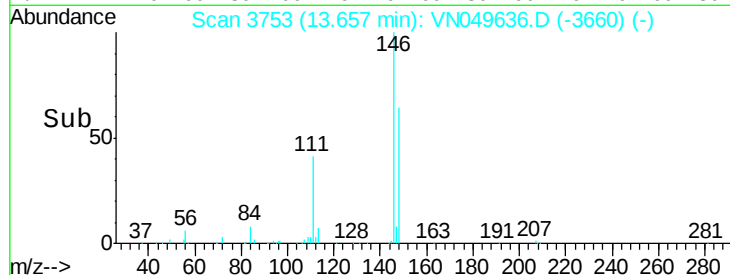
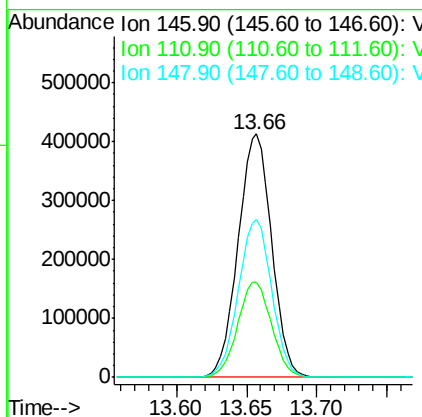
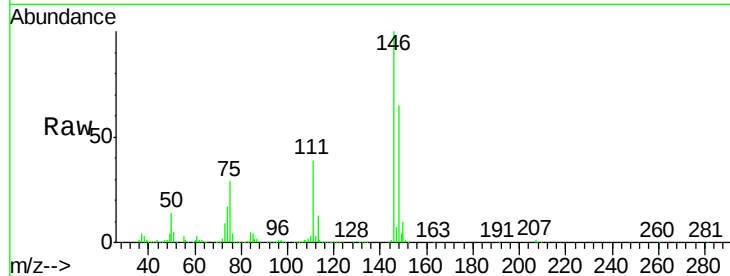
ClientSampled :

VN0629WBSD01

Tot Ion:	146	Resp:	689107
Ion Ratio		Lower	Upper
146	100		
111	39.5	20.8	62.2
148	64.7	32.0	96.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.28 ug/l

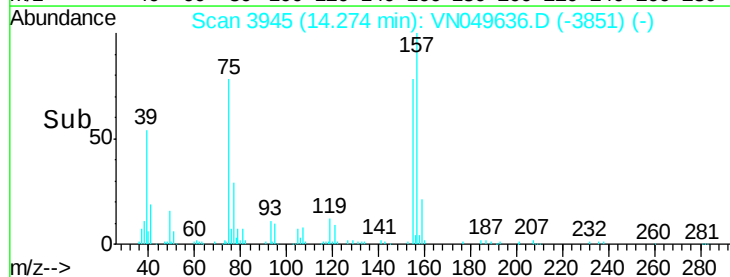
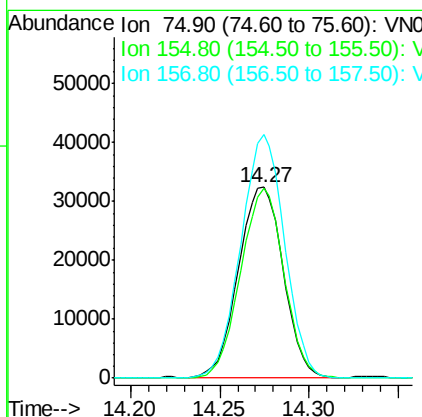
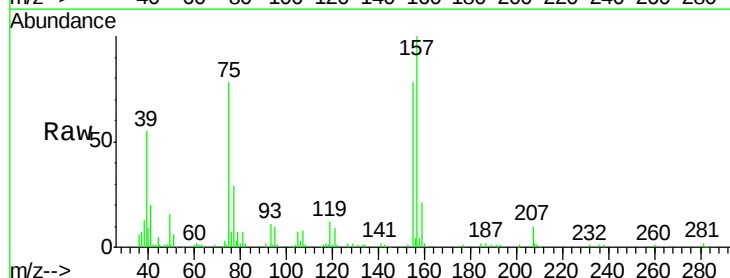
RT: 14.27 min Scan# 3945

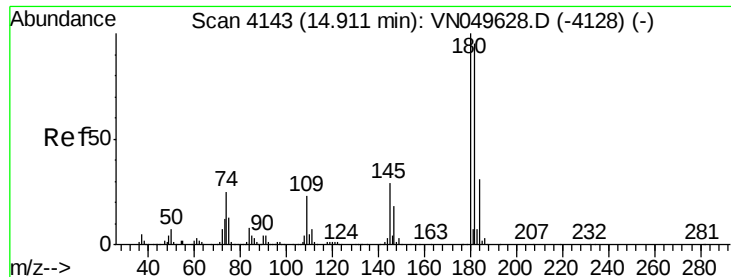
Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Tgt Ion:	75	Resp:	57111
Ion Ratio		Lower	Upper
75	100		
155	95.4	38.8	116.3
157	123.9	51.0	153.1





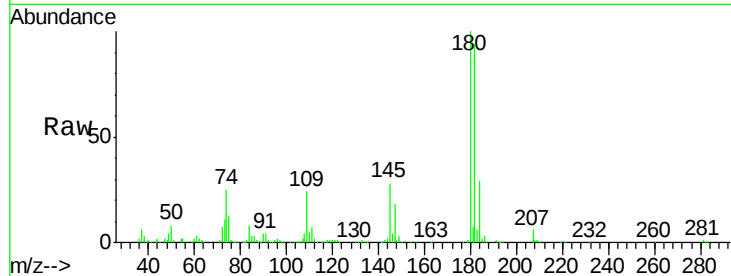
#93
 1,2,4-Trichlorobenzene
 Concen: 18.27 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049636.D
 Acq: 29 Jun 2018 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD01

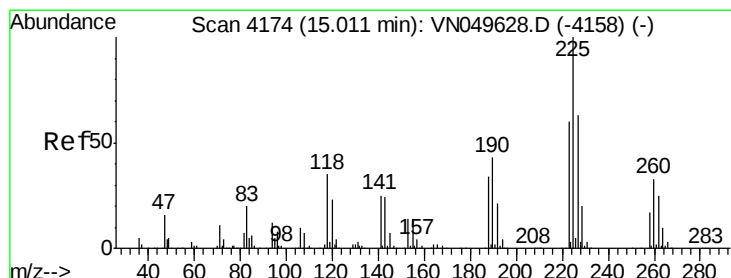
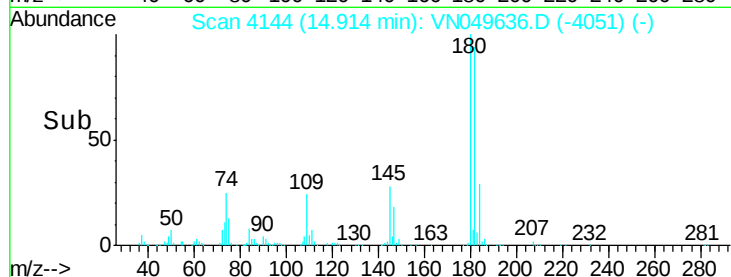
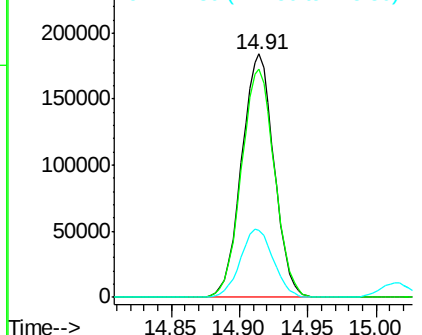
Tot Ion	Ratio	Resp	Lower	Upper
180	100	302140		
182	96.0	46.9	140.8	
145	28.6	14.7	44.1	

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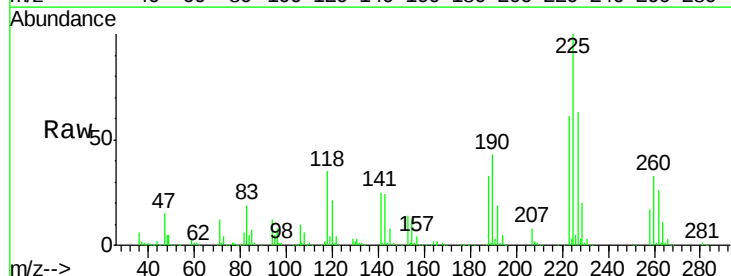


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

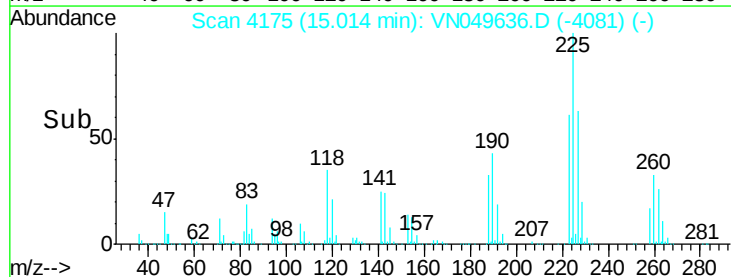
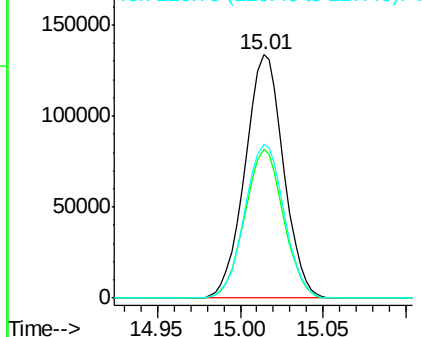


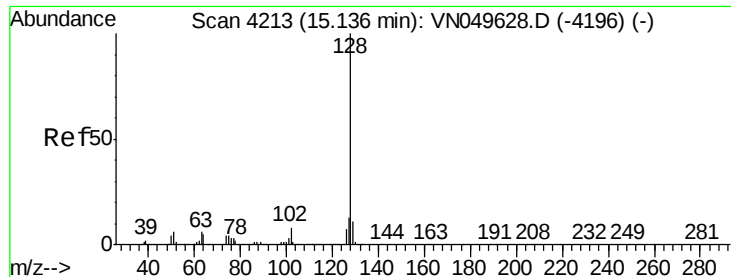
#94
 Hexachlorobutadiene
 Concen: 19.23 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049636.D
 Acq: 29 Jun 2018 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	215285		
223	61.4	32.1	96.3	
227	64.8	31.8	95.3	



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: 19.08 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Instrument :

MSVOA_N

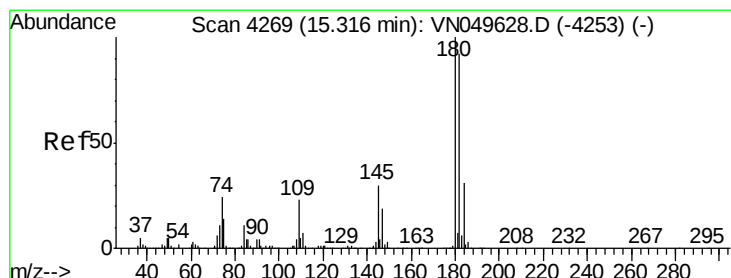
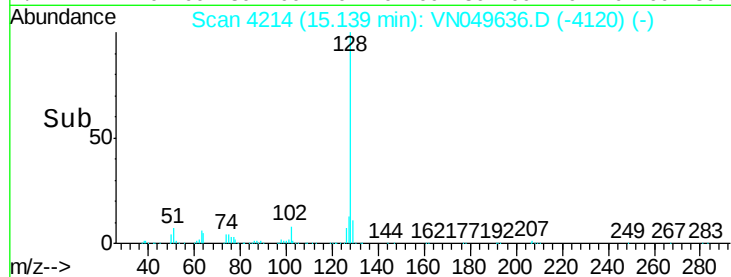
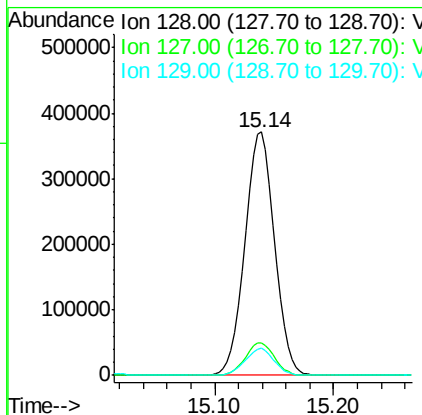
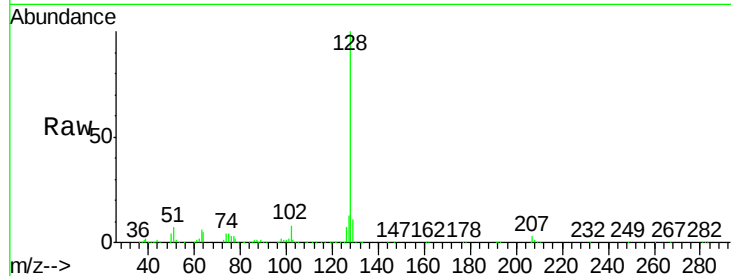
ClientSampled :

VN0629WBSD01

Tot Ion:	128	Resp:	638755
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	10.9	8.5	12.7

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#96

1,2,3-Trichlorobenzene

Concen: 18.85 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049636.D

Acq: 29 Jun 2018 17:23

Tgt Ion:	180	Resp:	306247
Ion Ratio	Lower	Upper	
180	100		
182	98.4	47.3	141.8
145	30.5	15.6	46.7

